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VOLUME 318

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[Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*) and of the United States Circuit Court of Appeals by the letter ([d]).]

ERRATA.

178,428 (Trade-Mark), page 298, insert the word *"Willow"* as the trade-mark.

Patents Nos. 1,478,996 to 1,479,779.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Total	1060		

Amendment to Rules of the Court of Appeals of the District of Columbia.

The following certificate received from the clerk of the Court of Appeals of the District of Columbia relative to an amendment to the rules of the court as revised December 4, 1920, is published for the information of those concerned:

It is ordered that the second paragraph of section 2, rule 22, be amended by inserting the following after the words "Commissioner of Patents":

(unless such time for special and sufficient cause be extended by the Commissioner, such time to be definite and fixed)

Promulgated December 14, 1923.

HENRY W. HODGES,
Clerk.

6949.

Amendment to the Rules of Practice.

(Order No. 2,846.)

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of the Interior, the following rules of the Rules of Practice of the United States Patent Office are amended as follows:

Rule 191, lines 24 and 25, cancel—

Size 10 by 15 inches, per copy ..... .25
Size 8 by 12½ inches, per copy ..... .15

and substitute—

Size 8 by 13 inches, per copy ..... .20
Size 6 by 9 inches, per copy ..... .15

This becomes effective January 1, 1924.

THOMAS E. ROBERTSON,
Commissioner.

Notice—Change in Size and Price of Photostat Copies of Manuscript.

On and after January 1, 1924, photostatic copies of manuscript applications and file wrapper and contents, and records of assignments, will be furnished on prints 8x13 inches, for which a charge of twenty cents per sheet will be made. This will produce a print approximately full size of the original, and hence as legible as the original.

Trade-Marks.

The trade-mark searching facilities open to the public at Room 159 in the Patent Office have been augmented by installing trade-marks published under the act of 1905, but not yet placed upon the register. These are arranged in accordance with the arrangement of words and symbols of registered marks, as well as by classes. All marks published since July 1, 1923, have been included, and those published between January 1 and July 1, 1923, are being inserted.

Disclaimer.

1,371,650.—*Robert J. Adams*, West Auburn, Mass. Device for Removing Broken Picks. Patent dated March 15, 1921. Disclaimer filed December 7, 1923, by the patentee.

Hereby enters this disclaimer—

"To claim 3 in said specification, which is in the following words, to wit:

"3. The combination with the lay of a loom, of a track carried by said lay and extending entirely across the loom, a pair of slides mounted to move on said track, and means for moving said slide in toward the center of the loom, timed to follow the inward motion of the shuttle from that end, and for retracting it."

Condition of Applications Under Examination at Close of Business December 21, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 65,897; Trade-Mark Division, 1,890. Oldest new case, Mar. 12, 1923; oldest amended, Mar. 22, 1923. The dates given are 1923.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
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234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Apr. 27	May 25	1,371
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318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substances Preparations.	Apr. 3	May 17	1,823
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323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 2	Nov. 7	1,028
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120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Apr. 2	Apr. 2	1,325
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	May 16	May 15	1,429
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 19	June 25	951
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220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 2	Apr. 3	1,150
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125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 3	June 5	960
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Apr. 28	May 10	1,722
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263	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Apr. 16	Aug. 3	1,009
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116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Mar. 12	Mar. 22	2,347
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DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

LINCOLN PAINT AND COLOR COMPANY *v.* THE AMERICAN PAINT WORKS.

Decided December 30, 1922.

TRADE-MARKS—"CLIMATIC"—ACT OF MARCH 19, 1920—CANCELLATION.

Where the trade-mark was registered on June 14, 1921, and the registrant had used the mark since 1906 and the petitioner claimed no use prior to 1910, but the petitioner had been using the mark for ten years and the registrant had notice of such use prior to 1915 and showed no endeavor to prevent petitioner's use of the mark by legal proceedings, *Held* that the petitioner presumably had the right to use the mark, so that registrant's right was not an exclusive right, and therefore he could not resist cancellation proceedings.

ON APPEAL.

TRADE-MARK FOR DRY, PASTE, AND READY-MIXED PAINT, ETC.

Messrs. Banning & Banning and *Mr. Wm. L. Symons* for Lincoln Paint and Color Company.

Messrs. Mason, Fenwick & Lawrence for The American Paint Works.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Interferences dismissing an application for cancellation of the trade-mark registered under the act of March 19, 1920, on June 14, 1921, No. 143,842, to The American Paint Works.

The mark consists of the word "Climatic." The specimens filed read "Guaranteed Climatic Strictly Pure Prepared Paint."

Registrant endeavored to register the same mark on an application accompanied by the same specimens under the act of 1905. That application was opposed by the present petitioner for cancellation, and the opposition was dismissed in the Patent Office, but sustained by the court of appeals in an opinion reported in 1915 C. D. 162; 216 O. G. 1013; 44 App. D. C. 17, *Lincoln Paint & Color Co.* v. *The American Paint Works*. It appears that the labels relied on by opposer there were substantially the same as those relied on in the present petition for cancellation. In that case the court said:

> We think the mark is clearly descriptive, and not entitled to registration,

basing its conclusion on a consideration of the labels of both parties and the record before it.

Registrant here urges a distinction between its label and that of petitioner for cancellation, suggesting that its use is a true trade-mark use, while petitioner's is a purely descriptive use. It seems clear to me that this is contrary to the holding of the court of appeals. Moreover, I am unable to find registrant's use any less descriptive than that of petitioner, which reads "Lincoln Climatic Paint." Registrant suggests that "Lincoln" is petitioner's trade-mark; but even if this be admitted the fact remains that "Climatic" appears very prominently on petitioner's labels, and petitioner would certainly be very greatly embarrassed if registrant should notify the trade that it had registered "Climatic" as a trade-mark and would hold others using that word on paint as infringers.

It appears that registrant has used the mark since 1906, whereas petitioner claims no use prior to 1910. The question here involved, however, is not one of priority, interferences having been specifically excluded from the act of 1920. The statute clearly states that registrant must have had the exclusive right to use the mark at the date the application was filed to resist cancellation proceedings. It appears that petitioner here had been using the mark for upward of 10 years and that registrant had notice of such use prior to 1915. There is no showing of an endeavor to prevent petitioner's use of the mark by legal proceedings, and we are justified in presuming that petitioner had the right to use the mark, so that registrant's right was not an exclusive right.

Two cases recently decided in cancellation proceedings under the act of 1920 set out principles which apply to the present case and indicate that the Examiner of Interferences must be reversed and the petition for cancellation granted. These cases are *R. H. Macy & Co., Inc.*, v. *The Macey Company, Inc.*, 295 O. G. 463, and *Climax Rubber Company* v. *U. S. Compression Inner Tube Company*, 141 MS. Dec. 119; 313 O. G. 453. [An appeal from the latter decision to the Court of Appeals of the District of Columbia was dismissed, 312 O. G. 400.]

The Examiner of Interferences is reversed. The mark will be canceled.

U. S. Circuit Court of Appeals—Third Circuit.

SHELBY STEEL TUBE CO. *v.* STANDARD SEAMLESS TUBE CO.

Decided January 5, 1923.

[287 Fed. Rep. 320.]

PATENTS—870,246, CLAIMS 2, 4, AND 5, FOR MAKING OF SEAMLESS TUBES, HELD VOID FOR WANT OF INVENTION.

The Nicholson patent, No. 870,246, claims 2, 4, and 5, for a method for making seamless tubes, *Held* void for want of invention in view of the prior art, the advance in the art at the time of the issuance of the patent being due to another invention.

APPEAL from the District Court of the United States for the Western District of Pennsylvania; Charles P. Orr, judge.

Suit in equity by the Shelby Steel Tube Company against the Standard Seamless Tube Company for infringement of a patent. From a decree dismissing the bill, complainant appeals. Affirmed.

Mr. D. Anthony Usina and *Mr. Frederick P. Fish* for the appellant.

Mr. J. Bruce Orr, *Mr. Frederick W. Winter*, and *Mr. Livingston Gifford* for the appellee.

Before WOOLLEY and DAVIS, Circuit Judges.

WOOLLEY, *Cir. J.*:

This is a suit for infringement of Letters Patent No. 870,246, issued November 5, 1907, to John H. Nicholson, assignor to National Tube Company of Pittsburgh, Pa., for a method of making seamless tubes, and is here on the complainant's appeal from a decree of the district court dismissing the bill on the ground that the patent is invalid for want of invention in view of the prior art. Claims 2, 4, and 5 are involved.

As the decision of this case may affect the whole seamless-tube industry, it is important that the reasons for the decision be fully given.

We shall first examine the patent with reference to its validity. The patentee, in his specification, states the prior art and the purpose of his invention as follows:

> Heretofore in the manufacture of hot-rolled blanks from pierced billets for the purpose of cold drawing, a plug-mill of the well-known type is one of the common devices that has been used; the hollow billet is elongated in this mill and the thickness of its wall reduced to a sufficient gage or thinness, so that the same can be cold drawn with smooth surfaces to the desired thickness of wall. In this plug-mill operation it is desirable to produce hot-rolled blanks or tubes, as round and as smooth on the inside as possible, to facilitate the cold-drawing and enable the tube to be finished to the desired gage and to smooth-finish it in as few cold-drawing passes as possible. Heavy reductions cannot be taken on the cold draw bench, without excessive breakage, until the rolled blank has been rounded up and the interior scratches removed, owing to the tendency of the metal to pick up, or accumulate, ahead of the mandrel during the cold-drawing. To partly overcome this difficulty, the rolled blanks are given several additional passes on the plug-mill for the purpose of rounding up the diameter and smoothing the interior surface, little or no work being done in reducing the thickness of wall during such additional passes. This additional work for the plug-mill occupies much time, and reduces the output of the mill.
>
> My invention is designed to overcome this difficulty, so that the plug-mill may be used for its normal function of reducing the thickness and elongating the blank, without giving further passes on such mill for rounding up and working out the scratches, thereby reducing the number of passes that have been heretofore deemed necessary in the production of hot-rolled blanks suitable for cold-drawing. For this purpose I subject the blank to a new operation, intermediate between the plug-mill and the draw-bench. In this additional step I pass the rolled blank through a reeling, or cross-rolling machine, in which the blank is rounded up, its interior and exterior surfaces smoothed, and the scratches practically eliminated, giving a much better blank or tube for cold-drawing than could be produced on the plug-mill, no matter how many additional passes for rounding and smoothing were given.

Omitting for the moment reference to the advantages which he maintains are derived from this method of operation, the patentee claims:

> 2. The herein described method of making seamless tubing which consists in rolling the pierced blank or billet in a plug-mill, then removing the blank and cross-rolling it over a mandrel to eliminate interior ridges or grooves and to true up the gage, substantially as described.
>
> 4. In the method of making seamless tubing, the steps which consist in elongating and thinning the pierced billet in a plug-mill, and then removing the blank and cross-rolling it over a mandrel to smooth out the interior scores or grooves while the blank is hot, without materially changing the thickness of its wall, substantially as described.
>
> 5. In the method of making seamless tubing, the following steps: elongating and thinning the pierced billet by rolling it over a plug, then removing the hot blank and rolling it over a mandrel to smooth out its interior without changing its gage, and then cold-drawing the blank, substantially as described.

The complainant reads these claims as follows: first, a solid round billet is pierced by means of a pointed mandrel, the billet being forced onto the mandrel by means of cross rolls or discs which give it a compound motion. The component motions are a circular rolling which enlarges the billet circumferentially, drawing the central metal out toward the circumference, and a forward spiral motion which as the circumference is enlarged forces the metal over the pointed mandrel.

The next step is to roll the pierced billet in a plug mill. This comprises a pair of rolls forming approximately circular passes in which lie fixed mandrels. This mill works like an ordinary rolling mill, drawing the tube out to greater length and correspondingly reducing the wall thickness. This longitudinal rolling operation may be effected in two or more successive passes in the plug mill. The rolling in the plug mill is in a direction directly at right angles to the rolling that took place in the piercing mill. For this reason the transverse or spiral markings left by the piercing mill are eliminated in the longitudinal rolling operation; but by reason of wear on the plug and rolls, this plug-rolling operation leaves substantial longitudinal markings on the outside and particularly on the inside of the tube.

The third step is cross rolling the tube, not to expand it as in the piercing operation, but to remove or soften the roughness left by the longitudinal plug-rolling operation. In this cross rolling, or "reeling" operation, there is inevitably a certain reduction of the thickness of the wall, material or immaterial according as the operation is directed. When immaterial the reduction is negligible and the result, as required by the patent, is merely the smoothing out of the ridges and grooves left from the plug-mill operation.

The three steps referred to, piercing by cross rolling, longitudinal rolling in a plug mill, and again cross rolling or reeling are performed on the metal while hot. The finish obtained by these three successive steps is sufficiently good to make a marketable tube for many uses. For producing finer tubes there is added to the three steps described a fourth step of drawing the tube cold lengthwise through a fixed annular die. This is the complainant's conception of the method of the patent. Claiming somewhat more than the inventor himself, it maintains that Nicholson was the first to conceive and put into practice the idea of making seamless tubes by the succession of steps embraced within this method and that the economies effected thereby are, first, a saving in cost by eliminating the smoothing passes formerly practiced in the plug mill; second, the production (for the first time) of a hot finished tube so perfect as to be usable in some arts without subsequent cold drawing; third, the providing of such a smooth tube for subsequent cold drawing as to reduce the number of cold-drawing passes and to save wear on the dies and mandrels of the cold-draw bench. Finally, the complainant claims that Nicholson's invention created a rebirth of the seamless-tube art, cheapened it extraordinarily and extended its use into fields which had been previously closed to it. If this were the story—or the whole story—of the patent we would find invention in the method and sustain the patent without hesitation. But there is more in the story than this. Nowhere does the maxim "origo rei inspici debet" apply more appropriately than to an invention which, through a patent, has been accorded a dominating place in the art. This takes us to the prior art; and necessarily so, because, whether we read the claims as starting with a pierced billet and consisting of two steps, first rolling the pierced billet in a plug mill and next cross rolling it in a reeler, or consisting of four steps, piercing the billet, rolling the pierced billet in a plug mill, cross rolling it in a reeler, and finishing it with a cold draw, the claims do not prescribe the means for taking these steps. Regarding the method as comprising four steps, Nicholson points out no particular means for piercing the billet. Obviously, then, he must mean piercing the billet as billets were pierced in the prior art. He prescribes no type of plug mill. He refers, as a preference, to the plug mill of Stiefel and himself (No. 700,195), but says that, "Any desirable type of plug mill may be used." Coming to cross rolling, he says:

> The reeling mill may be of any desirable type so long as it performs the function of smoothing out the scores or grooves on the interior of the tube.

Mentioning cold-drawing only in general terms, he must mean cold-drawing as practiced in the art. Therefore, the invention of the patent, if any, is to be found solely in the new order in which concededly old means are used.

The art was not new when Nicholson entered it. Indeed, it was fifty or sixty years old and was well filled with inventions for which patents had been granted—now long expired—covering billet-piercing mills, plug mills, reelers, cold-draw benches and methods for using them. Nicholson reached back into the art and appropriated the various mechanisms he found there and used them in the steps of his method for the same purposes, or for some of the same purposes, that others had used them before. We shall discuss but two or three of the many patents in the art.

In the British patent to Dyson, No. 2,400 of 1862, sealed February 20, 1863, a reeler is shown for the purpose for which a reeler is used in the method of the patent in suit. The patent deals mainly with a rod, bar or shaft made by groove rolls in the ordinary manner, and provides that while still hot the metal piece should be introduced between the outer ends of the rolls. The patentee states:

> The rotation of these rolls causes the rod, bar or shaft to pass through the rolls and to issue from the opposite end circular, smooth and polished.

While the illustration goes only to the reeling of circular articles exteriorly, the patentee says:

> When applied to the manufacture of pipes and tubes the machinery remains as before described, but in addition to the guides I employ a mandrel between the rolls, over which the pipe or the tube is drawn.

So also in the United States Patent No. 41,836 the same inventor, in 1864, describes the mechanism in part as follows:

> And by virtue of the opposite inclination of the axes of the rolls it is drawn between them in a line nearly parallel to the axes of the rolls, while it is caused to rotate, and is thereby rendered cylindrical, smooth, and polished.
>
> My machine is also adapted to the rolling of tubes or pipes by the addition of a mandrel between the rolls over which the pipe or tube is drawn.

The testimony is to the effect that this is a disclosure of finishing tubes both outside and inside.

We are not comparing Dyson's polishing rolls with the polishing reeler preferably employed by Nicholson in his method, because Nicholson's patent does not cover any particular form of reeler except that it shall perform "the function of smoothing out the scores or grooves in the interior of the tube." Our purpose in quoting Dyson is to show that he was before Nicholson in using a reeler with which to smooth and polish a tube. For the same purpose we refer to United States Patent No. 149,310, granted in 1873, to Hayden for an improvement in machines for rolling tubing. It was intended by this patent that the tube should be drawn through rolls and at the same time revolve around a mandrel. In his specification Hayden says:

> But the mandrel may be dispensed with in cases where the interior of the tube is not required to be smooth and when the diameter of the tube is to be reduced without materially reducing the thickness of the metal of the tube.

We agree with the learned trial judge that there is in this language a plain inference to be drawn by anyone skilled in the art, that if the interior of the tube is required to be smooth and if the wall of the tube is not to be reduced, the mandrel should be used. In other words, it seems that Hayden knew that the mandrel had the function in the cross-rolling operation described by Nicholson and mentioned in each of his claims.

Hayden further says:

> The rolling operation takes place from end to end of the tube, and the tube is polished both internally and externally, the bore being of uniform size.

Here again we are not comparing the roll mechanism of Hayden with that which is preferred by Nicholson; we are quoting Hayden simply to show that he had already done what Nicholson did in the reeling step of his method.

For the same purpose we cite two more patents, United States Patents No. 401,144 and 401,145, granted to Flagler in 1889, one for an apparatus and the other for a method, covering the same inventive conception. In the method patent Flagler says that the object of his invention is to provide a method of manufacturing seamless tubes "in which the interior surface is highly finished" and "the tube itself straightened and given a true cylindrical form in one continuous operation." In practicing his invention the start, or first step, is taking a hollow ingot or blank, which corresponds with the pierced billet of the patent in suit. The second step is the drawing or forming of the blank of a length, diameter and thickness of wall in pro-

portion to the finished tube to be made. This corresponds with the plug-mill operation of the patent in suit. For the third step, Flagler says:

> The tube or tubular blank thus formed is next subjected to the rolling action of concave cross rolls over a mandrel *to further reduce the thickness* of the tube and produce a spiral arrangement of internal fibre walls, to straighten said tube and impart a true cylindrical form thereto. * * * In some cases where the amount of reduction of the thickness of the tube coming from the first rolling operation is not great * * * the form of cross rolls shown in Fig. 2 is employed. In this the area of the pass formed by the working faces of the rolls remain substantially the same throughout.

Continuing, Flagler says:

> By my improved method I am able to produce a *thin* seamless tube having its fibres both internally and externally arranged spirally *and the interior of the tube given a high degree of finish* as well as straightening the tube and giving it a true cylindrical form in *one continuous operation*.

In the companion apparatus Patent No. 401,144 Flagler repeats the same idea:

> I am able to take a hollow ingot or blank, *and by a continuous operation* reduce the thickness of the walls of the same and produce a tube of the desired length, * * * and the tube *smoothed* and straightened so that no further manipulation of the tube is necessary.

This certainly means that by this method a hot-finished tube is produced.

On Flagler's method patent (No. 401,145), and Stiefel and Nicholson's patent (No. 770,195), the Examiner rejected all the claims of Nicholson's application. These claims stated broadly the steps of the method without any limitation. When Flagler was cited against him, Nicholson was called upon to distinguish his invention from that of Flagler. This he did by amending his claims.

In urging his amended claims in the Patent Office, Nicholson distinguished the cross-rolling step of his invention from the cross rolling of Flagler by showing that aside from arranging metal fibers spirally Flagler cross rolled for the double purpose of decreasing wall thickness and smoothing the interior of the tube while he cross rolled for the single purpose of smoothing the interior. The amended claims were similar to the old claims except that they contained such limitations as cross rolling over a mandrel "to smooth out the interior scores or grooves," "to true up its gage, without materially reducing the thickness of its wall," "without changing its gage." In distinguishing Nicholson from Flagler, the complainant aptly refers to the cross-rolling step with these limitations as a "mere" smoothing step. This limitation of cross rolling to one of several uses of a prior art mechanism, is, we think, a narrow ledge on which to build invention. And so, evidently, thought the Examiner who rejected the amended claims. Speaking of them, he said:

> It was known that cross-rolling over a mandrel produced a reasonably smooth finished tube. It was known that longitudinal rolling over a plug produced a tube scored internally and no unexpected result therefore follows from rough rolling over a plug and smoothing over a mandrel by cross-rolling. Whether the cross-rolling reduced the wall or not, it seems to be obvious what the result will be.

The Examiner, however, was overruled by the Examiners in Chief and the claims as amended stand in the patent.

Besides those to which we have referred many of the patents cited are quite old and seem not to have made very great impressions upon the art. In this connection several facts are to be noted. One is that while, in 1903, the seamless-tube art was old, it had not flourished except when supplying seamless tubes to the bicycle industry when at its height. With the collapse of that industry the great demand for seamless tubes fell off and the industry was at low ebb until at or about the time the invention of the patent in suit appeared. Therefore, if early inventions were substantially like the invention of Nicholson, it is quite pertinent to inquire why the art did not adopt them more promptly and why it did not recognize their merit until Nicholson came along.

The answers to these questions turn on something else that happened in the art at or about the time of the invention of the patent in suit. And just here there is a question as to the date of the invention. The patent application was filed December 15, 1904. The complainant maintains that the date of conception was about March 5, 1902, the date of the first reduction to practice in November, 1902, and the date the invention was put into practical use in December, 1903. These dates of conception, reduction to practice and practical use are contested by the defendant on the ground that in December, 1903, Stiefel and the same John H. Nicholson applied for a patent for an invention on which they had been working for some time. The patent was granted in 1904 (No. 770,195). Throughout his application for the patent in suit, Nicholson, or his solicitors, referred to the Stiefel and Nicholson patent, indicating that that patent antedated the conception of the patent in suit by about a year and that the invention of the patent in suit grew out of difficulties encountered in developing and practicing the invention of Stiefel and Nicholson. Without deciding the precise dates of the conception and reduction to practice of the invention of the patent in suit, it is sufficient to say that they were contemporaneous with the appearance, in 1903, of the automatic plug mill invented by Otto Heer. The advent of the automatic plug mill was a capital event in the seamless-tube art. The great problem in this art had to do, not with finishing tubes, but with the economical elongation of tubes and corresponding reduction of their walls before finishing them. Prior to Heer, plug mills had been manually operated and the resultant tubes were relatively short and decidedly rough. Wall thickness had to be reduced by additional passes or subsequent operations. By Heer's automatic mechanism tubes were greatly elongated and wall thickness greatly reduced, and the tubes were advanced farther toward the finished product. When intended for some uses, tubes were wholly finished as to dimensions. There were, however, interior scores and grooves which, as before, had to be disposed of in some way. The means at hand were cross rolling and cold-drawing, both old in the art. Finishing tubes by cold-drawing was slow and costly. This was well known. If they could be finished while still hot, the time and expense of cold-drawing would be eliminated. This was obvious. Therefore Nicholson resorted to cross rolling, which had long before been used for two purposes, first, reducing wall thickness, and second smoothing and polishing tubes made in a hand plug mill. He adopted this means for the one purpose of polishing tubes made in an automatic plug mill, first, as a step intermediate between the plug mill and the drawbench when tubes were to be finished by cold-drawing, and second, as a final step when tubes had been finished as to dimensions in the automatic plug mill and remained only to be smoothed. Even if Nicholson were the first to conceive the four steps in the order named and the first to embody them in a method and reduce it to practice, his method, we think, was but the natural answer to a new call made by the automatic plug mill when it came into the industry. We hesitate to say 20 years after the event that a thing was obvious, yet we are forced to say, in the light which the evidence throws upon the industry at that time, that when the automatic plug mill produced tubes finished as to dimensions it was an obvious thing to smooth such finished tubes by smoothing means at hand in the industry, namely, by cross rolling or cold-drawing, according to the uses to which the tubes were to be put and according to the desire of the operator. Important as is the bearing of the patent in suit on the industry and valuable as it would be to the owner if sustained, we are constrained to hold that the great changes wrought in the industry at or about the time of its appearance were due not to the invention of the patent but to the invention of the automatic plug mill, and that with the automatic plug mill economically finishing (for some uses) tubes of greater length and narrower walls, invention was not involved in taking from this mill hot tubes wholly finished as to dimensions and smoothing them in a way known to the art.

Therefore we are of opinion that the decree below must be affirmed.

ADJUDICATED PATENTS.

(D. C. Pa.) The De Wein patent, No. 961,084, for rock crusher, *Held* valid and infringed. *Worthington Pump & Machinery Corporation* v. *Traylor Engineering & Mfg. Co.*, 292 Fed. Rep. 777.

(D. C. Pa.) The Bernard and Sholl patent, No. 1,145,967, for lubricating device for rock crusher, *Held* valid and infringed. *Worthington Pump & Machinery Corporation* v. *Traylor Engineering & Mfg. Co.*, 292 Fed. Rep. 777.

(C. C. A. N. Y.) The Dunkley patent, No. 1,256,885, for cherry-pitting machine, *Held* not infringed. *Dunkley Co.* v. *Huntley Mfg. Co.*, 292 Fed. Rep. 756.

(C. C. A. Pa.) The Evans patent, No. 1,342,744, for headlight lens, *Held* infringed. *MacBeth-Evans Glass Co.* v. *L. E. Smith Glass Co.*, 292 Fed. Rep. 754.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

851,942, T. Kernchen, Chimney top; 1,033,805, same, Ventilator for buildings and vessels, suit filed Oct. 8, 1923, D. C., N. D. Ill. (E. D.), Doc. 3761, *J. C. Kernchen* v. *Stone Mercantile Co. et al.*

888,416, 888,417, T. Bodde, Automatic controlling device for cars, suit filed Oct. 26, 1923, D. C., N. D. Ill., Doc. 3769, *J. B. Regan, sr.*, v. *The National Safety Appliance Co.*

888,417. (See 888,416.)

908,833, H. A. Bates, Sewing-machine shuttle; 1,326,625, L. E. Weaver, Sewing-machine shuttle, final decree pursuant to stipulation dismissing bill without prejudice and without costs, Oct. 22, 1923, D. C., Mass., *Summit Thread Co. et al.* v. *American Thread Co.*

1,014,211, Dosselman & Neymann, Composition for removing surface finishes, suit filed Dec. 9, 1921, D. C., S. D. N. Y., Doc. E 22/327, *Chadeloid Chemical Co.* v. *C. McAdam Co.* Interlocutory decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction restraining defendant filed Nov. 3, 1923.

1,033,805. (See 851,942.)

1,036,427, 1,181,827, C. S. Bird, Building material, suit filed Feb. 28, 1920, D. C., S. D. N. Y., Doc. E 17/164, *C. S. Bird* v. *Sears, Roebuck & Co.* Decree in favor of plaintiff, sustaining Patent 1,036,427, adjudging infringement, and granting injunction restraining defendant. Bill dismissed without prejudice as to Patent 1,181,827.

1,119,700, R. E. Humphreys, Method of distilling hydrocarbons; 1,388,514, E. M. Clark, Distillation of petroleum hydrocarbons; 1,448,254, W. M. Burton, Process of treating petroleum, suit filed Oct. 29, 1923, D. C., N. D. Ill. (E. D.), Doc. 3770, *Standard Oil Co.* v. *Universal Oil Products Co*

1,156,141, Hess & Myers, Ribbon spool for typewriting machines; 1,301,696, same, Ribbon spools, suit filed Oct. 17, 1923, D. C., S. D. N. Y., Doc. E 27/172, *Royal Typewriter Co., Inc.*, v. *Typewriter Efficiency Corp. et al.* Final consent decree in favor of plaintiff, sustaining patents, adjudging infringement, and granting injunction restraining defendants, filed Nov. 7, 1923.

1,176,999, A. Wynberg, Method of rendering sugar juices and solutions readily filtrable, suit filed Nov. 6, 1923, D. C., E. D. La., Doc. 17,394, *Alegemeene Norit Maatschappy* v. *H. Henderson et al.*

1,181,827. (See 1,036,427.)

1,186,533, G. Aldworth, Tube device for use in connection with permanent hair waving, suit filed Feb. 6, 1923, D. C., S. D. N. Y., Doc. E 23/99, *Nestle Patent Holding Co., Inc., et al.* v. *B. Von Riedle (B. Brown)*. Consent order discontinuing action without costs filed Nov. 7, 1923.

1,247,335, H. W. Russ. Wood-heel-turning machine, suit filed Nov. 5, 1923, D. C., S. D. N. Y., Doc. E 27/300, *United Shoe Machinery Corp.* v. *M. Stern.*

1,263,879, A. Gerosa, Lugs for power-plant support for motor vehicles, suit filed Nov. 8, 1923, D. C., N. D. Ohio (E. D.), Doc. 998, *A. Gerosa et al* v. *Columbia Metal Stamping & Die Co. et al.*

1,301,696. (See 1,156,141.)

1,313,022, I. E. Sexton, Riveted receptacles, suit filed June 26, 1922, D. C., Mass., Doc. E 1738, *I. E. Sexton* v. *Dover Stamping & Mfg. Co.* Final decree dismissing bill without prejudice pursuant to stipulation.

1,326,625. (See 908,833.)

1,370,411, Contrado, Swanson & Schwartz, Mattress-filling machines, suit filed Aug. 31, 1923, D. C., Mass., Doc. E 1757, *Commonwealth Sheet Metal Works, Inc.*, v. *R. E. Emerson et al.* Sept. 17, 1923, final decree by consent dismissing bill without prejudice.

1,388,514. (See 1,119,700.)

1,448,254. (See 1,119,700.)

Re. 14,458, B. C. Ames, Unbreakable concavo-convex compression crystal, suit filed Mar. 17, 1922, D. C., S. D. N. Y., Doc. E 23/224, *The E. Ingraham Co.* v. *I. Silver* (*Ideal Crystal & Machine Mfg. Co.*). Order in favor of plaintiff, sustaining patent, and that injunction made pursuant to order of Mar. 6, 1922, be made permanent filed Nov. 3, 1923.

Re. 15,607, A. Vallot, Device for mounting headlights on the bodies of motor cars, suits filed Oct. 8, 1923, D. C., N. D. Ill (E. D.), Doc. 3758, *The Clymer Mfg. Co. et al.* v. *Great Lakes Auto Products Co.* Same, Doc. 3759, *The Clymer Mfg. Co.* v. *Acorn Accessories Mfg. Co.* Same, Doc. 3760, *The Clymer Mfg. Co. et al.* v. *J. S. Reiner* (*Reiner Specialty Mfg. Co.*),

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,319,108, T. D. Palmer, Clothes-pressing machine (drying attachment), decided November 20, 1923, claim 7.

Pat. 1,418,669, E. P. Ogden, Tunnel kiln, decided November 9, 1923, claims 1 and 2.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Dec. 17, 1923.*

Plummer & Edwins, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Buffalo Vegetable Marketing Co., of 29 East Market Street, Buffalo, N. Y., and Sol Perimon, of 1837 West Jefferson Avenue, Detroit, Mich., for registration of a trade-mark and trade-mark registered September 20, 1921, No. 146,841, to Plummer & Edwins, of Second Avenue and University Street, Seattle, Wash., and a letter sent by registered mail to said Plummer & Edwins at the said address having been returned by the post office undeliverable, the Office has failed to secure service upon said Plummer & Edwins. Notice is therefore given that unless said Plummer & Edwins, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 11, 1923.*

Bliss, Painter & Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Johnson & Company, 100 South Minnesota Avenue, St. Peter, Minn., for registration of a trade-mark and trade-mark registered September 1, 1903, No. 41,018, to Bliss, Painter & Co., 108 and 110 Third Street North, Minneapolis, Minn., and a notice of such declaration sent by registered mail to said Bliss, Painter & Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bliss, Painter & Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This interference will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 11, 1923.*

Sprayene Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Richmond Dairy Company, 314–322 North Jefferson Street, Richmond, Va., for registration of a trade-mark and trade-mark registered December 22, 1914, No. 101,542, to Sprayene Company, Woodstown, N. J., and a notice of such declaration sent by registered mail to said Sprayene Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Sprayene Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 4, 1923.*

Alonso Frank Richardson, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Arthur O. Klauser, Second National Bank, Toledo, Ohio, for registration of a trade-mark and trade-mark registered June 16, 1903, No. 40,602, to Alonso Frank Richardson, 526 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Richardson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Richardson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Dec. 13, 1923.*

V Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The M. Shaffer Company, 724 Passyunk Avenue, Philadelphia, Pa., to effect the cancellation of the trade-mark registration of V Co., of Wheeling, W. Va., No. 90,603, dated March 4, 1913. The Office having been unable to secure service upon said V Co., notice is hereby given that unless said V Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 1, 1924.

[VOL. 318. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 135,612. (CLASS 39. CLOTHING.) NORTHLAND KNITTING COMPANY LIMITED, Winnipeg, Manitoba, Canada. Filed July 30, 1920.

CASEY JONES
$ THE DOLLAR $
GLOVE

Disclaimer is hereby made to words "The Dollar Glove" and "$" sign apart from mark shown in drawing.

Particular description of goods.—Gloves Made of Leather.

Claims use since Oct. 5, 1915.

Ser. No. 141,322. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Dec. 20, 1920.

MEDICAL

Particular description of goods.—Corsets.

Claims use since Oct. 15, 1919.

Ser. No. 149,716. (CLASS 39. CLOTHING.) EDWARD NOON & SON, Philadelphia, Pa. Filed June 27, 1921.

MERIDIAN

Particular description of goods.—Bathing Suits, Athletic Shirts, Sweaters, Petticoats, Bloomers, Caps, Theatrical Shirts, Opera Stockings, Theatrical Tights, and Union Suits.

Claims use since Nov. 1, 1919.

Ser. No. 150,750. (CLASS 32. FURNITURE AND UPHOLSTERY.) JENNY WREN STORES CORPORATION, San Francisco, Calif. Filed July 21, 1921.

JENNY WREN

Particular description of goods.—Self-Help Store Fixtures—Namely, Cabinets and Counters.

Claims use since Mar. 15, 1921.

Ser. No. 152,091. (CLASS 33. GLASSWARE.) PYROCOLOR CORPORATION, New York, N. Y. Filed Aug. 23, 1921.

PYROCOLOR CORPORATION

Particular description of goods.—Hollow, Flat, and Decorated Glassware—Namely, Oven Ware, Fireproof Cooking Ware, Ash Trays, Waiting Trays, and Laboratory Ware.

Claims use since July 9, 1921.

Ser. No. 153,602. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) IDEAL WRAPPING MACHINE COMPANY, Middleton, N. Y. Filed Oct. 1, 1921.

IDEAL

Particular description of goods.—Caramel and Candy Cutters and Caramel and Candy Sizers and Parts Thereof.

Claims use since Apr. 4, 1921.

Ser. No. 155,450. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 16, 1921.

UV

Particular description of goods.—Vacuum Tubes and Valves.
Claims use since about Oct. 10, 1920.

Ser. No. 155,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA STATE RICE MILLING CO. INC., New Orleans, La. Filed Nov. 25, 1921.

LASTARMGO

Particular description of goods.—Rice, Rice Bran, Rice Meal, Rice Polish, and Rice Powder.
Claims use since 1912.

Ser. No. 157,776. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 11, 1922.

UC

Particular description of goods.—Electrical Condensers.
Claims use since about August, 1921.

Ser. No. 158,710. (CLASS 38. PRINTS AND PUBLICATIONS.) JOHN E. HESS, Clearfield, Pa. Filed Feb. 1, 1922.

The CLEARFIELD
MERCHANTS' MAGAZINE

Particular description of goods.—Periodical Magazine Published Monthly.
Claims use since Jan. 1, 1922.

Ser. No. 159,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER W. MOYER, doing business as M. M. Moyer & Co., Philadelphia, Pa. Filed Feb. 18, 1922.



No claim is made to the word "Brand" and "Eggs" apart from the mark shown in the drawings.
Particular description of goods.—Eggs.
Claims use since about Feb. 11, 1922.

Ser. No. 159,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER W. MOYER, doing business as M. M. Moyer & Co., Philadelphia, Pa. Filed Feb. 18, 1922.



No claim is made to the word "Butter" apart from the mark shown in the drawing.
Particular description of goods.—Butter.
Claims use since about Feb. 11, 1922.

Ser. No. 160,946. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HELGA LOUISE JOHNSON, Te Kuiti, Auckland, New Zealand. Filed Mar. 20, 1922.



The representation of the goods is disclaimed except as associated with the other features of the trade-mark as shown in the drawing.
Particular description of goods.—Mops, Mop Heads, and Fiber and Cloth Dusters.
Claims use since November, 1921.

Ser. No. 162,376. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN BUCKLEY, Logan, Utah. Filed Apr. 17, 1922.



No claim is made herein to the word "Alaska" or "Donut."
Particular description of goods.—Confection in the Form of a Doughnut Composed of a Filler of Frozen Material and a Coating or Envelope for Said Filling.
Claims use since March, 1922.

Ser. No. 162,382. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH E. CONDER, Southborough, Mass. Filed Apr. 17, 1922.

Milestone Farm

"Milestone Farm."
Particular description of goods.—Live and Dressed Poultry, Live Stock for Breeding Purposes, Live Stock for Slaughter, Fresh Garden and Field Vegetables, Fresh Garden and Orchard Deciduous Fruits, Canned Fruits and Vegetables, Fresh Milk, Fresh Cream, Butter, Cheese, Salad Dressing, Canned Pickles and Relishes, Vinegar, Honey, Maple Sirup for Food Purposes, Maple Sugar, Candy.
Claims use since 1907.

Ser. No. 162,708. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAX DÖRNER G. M. B. H. STAHLWARENFABRIK, Solingen, Germany. Filed Apr. 20, 1922.

DORN

Particular description of goods.—Razors, Safety Razors, Safety-Razor Blades, Pocketknives, Scissors, Table Knives and Forks of Base Metal, and Hair Clippers.
Claims use since May 1, 1919.

Ser. No. 163,066. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed Apr. 28, 1922.

YeastMaid

Particular description of goods.—Bread.
Claims use since Feb. 16, 1922.

Ser. No. 163,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed May 17, 1922.



Particular description of goods.—Peanut Butter, Butter, Cereals Prepared and Natural, Spices, Coffee, Tea, Chocolate; Vegetables, Fresh, Dried, Preserved, and Canned; Fruits, Fresh, Dried, Preserved, and Canned; Fish, Fresh, Dried, Smoked, Pickled, and Canned; Sugar, Powdered, Cube, and Granulated; Canned Soups; Flour, Wheat, Rye, Barley, and Corn; Cake, Bread, Macaroni, Spaghetti, Chewing Gums, Candies; Nuts, Shelled, Candied, or in Their Natural State; Ice Cream; Milk, Fresh, Treated, Desiccated, and Condensed; Flavoring Extracts for Flavoring Food Products; Jams, Jellies, Marmalades, Honey, Pop Corn; Olive, Cottonseed, Peanut, Corn, and Edible Oils.
Claims use since Apr. 21, 1922.

Ser. No. 164,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PEDERSON MERCANTILE COMPANY, Moorhead, Minn. Filed June 3, 1922.

STARLING

Particular description of goods.—Canned Vegetables—viz, Tomatoes, Peas, Sweet Corn; and Canned Fruits—viz, Pears, Peaches, Cherries, and Apricots.
Claims use since Aug. 1, 1921.

Ser. No. 166,471. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBINSON SPECIALTY COMPANY, Keyport, N. J. Filed July 3, 1922.

"Q-R"

Particular description of goods.—Complete Radio Sets and Parts Thereof.
Claims use since on or about January, 1922.

Ser. No. 166,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo. Filed July 5, 1922.

BILDUP

Particular description of goods.—Bowel and System Tonic.
Claims use since May 10, 1919.

Ser. No. 166,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo. Filed July 11, 1922.

NOFLU

Particular description of goods.—Preparation for the Treatment of La Grippe, Influenza, and Colds.
Claims use since Oct. 1, 1920.

Ser. No. 166,751. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SCHACHT RUBBER MFG. CO., Huntington, Ind. Filed July 11, 1922.

DAISY

Particular description of goods.—Rubber Fruit-Jar Rings.
Claims use since 1910.

Ser. No. 166,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo. Filed July 14, 1922.

Caples 7 Concentrate

No claim is made to the word "Concentrate" apart from the mark shown.
Particular description of goods.—Preparation for Miners' Consumption.
Claims use since May 1, 1921.

Ser. No. 167,606. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed July 31, 1922.



No claim is made to the representation of the belt apart from the mark shown on the drawing. The trade-mark consists of a relatively narrow red band arbitrarily placed on the belt.
Particular description of goods.—Fan Belts.
Claims use since July 3, 1922.

Ser. No. 168,066. (CLASS 38. PRINTS AND PUBLICATIONS.) RAILROAD BUYERS & SELLERS SERVICE BUREAU, Chicago, Ill. Filed Aug. 10, 1922.



Particular description of goods.—Periodicals.
Claims use since June 17, 1922.

Ser. No. 168,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Filed Aug. 24, 1922.



Particular description of goods.—Rheumatic Compound, Female Vigorator, Antiseptic, Cough Balsam, Preparations to Relieve the Skin Irritations, Kidney Medicine, Preparation for Diarrhea, Cholera Morbus, Cholera, Cramp Colic and Dysentery, Chill Tonic for the Treatment of Malaria and Malarial Chills and Fever, and Sarsaparilla Compound Recommended as a Blood Tonic, Compound Extract of Buchu, Juniper, Niter, and Acetate of Potash Recommended as a Stimulant and Diuretic for the Kidneys and Bladder, and Arnica Liniment.
Claims use since May 1, 1920.

Ser. No. 168,756. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DAVENPORT MANUFACTURING CO., INC., Davenport and Bettendorf, Iowa. Filed Aug. 28, 1922.

MIDLAND

Particular description of goods.—Electrical Cigar Lighters.
Claims use since about Mar. 1, 1912.

Ser. No. 169,442. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. J. HAGUE & CO. INC., New York, N. Y. Filed Sept. 14, 1922.

Dolly Dimple

Particular description of goods.—Elastic Webbing, Cotton Trimming, and Toilet Pins and Hairpins Not Made of Precious Metals.
Claims use since August, 1919.

Ser. No. 169,816. (CLASS 38. PRINTS AND PUBLICATIONS.) MANLER CAMPS, INC., New York, N. Y. Filed Sept. 22, 1922.

CAMP BALFOUR LAKE

Particular description of goods.—Printed Publication, Bulletin, or Pamphlet Published at Irregular Intervals.
Claims use since Dec. 1, 1919.

Ser. No. 170,203. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOSEPH H. LEVINE, Chicago, Ill. Filed Oct. 2, 1922.

TEL-A-MISS

Particular description of goods.—Spark-Testing Devices for Internal-Combustion Engines.
Claims use since Mar. 3, 1922.

Ser. No. 170,286. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRISTEDE BROS. INC., New York, N. Y. Filed Oct. 4, 1922.

TAKEWELL

Particular description of goods.—Canned Peas.
Claims use since Aug. 1, 1922.

Ser. No. 170,303. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MATTINGLY & MOORE DISTILLERY CO., doing business as Frankfort Distillery and George Baker, Louisville, Ky. Filed Oct. 4, 1922.



No claim is made to the representation of a bottle apart from the other features of the mark shown on the drawing, no waiver or disclaimer of any common-law right being implied, however.

Particular description of goods.—Distilled Alcoholic Liquors for Beverage Purposes.

Claims use since Sept. 1, 1922.

Ser. No. 170,450. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) TAITO TRADING CO., INC., New York, N. Y. Filed Oct. 7, 1922.

RADIO

Particular description of goods.—Matches.

Claims use since about Oct. 2, 1922.

Ser. No. 170,674. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCHOLES RADIO AND MANUFACTURING CORP., New York, N. Y. Filed Oct. 12, 1922.

TEST-RITE

Particular description of goods.—Capacity Devices or Condensers Primarily Adapted for Use as Reactance for Controlling or Varying the Flow of Electrical Current.

Claims use since Aug. 14, 1922.

Ser. No. 170,845. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Oct. 17, 1922.

John F. Trommer, Inc.

The facsimile signature is that of Mr. John F. Trommer.

Particular description of goods.—Malt Beverage Made of Malt and Hops and Containing Less Than One-Half of One Per Cent of Alcohol, by Volume.

Claims use since Oct. 5, 1922.

Ser. No. 171,770. (CLASS 39. CLOTHING.) E. B. SUDBURY, doing business as E. B. Sudbury & Co., New York, N. Y. Filed Nov. 9, 1922.



No claim is made for the words "For Mountain Field and Road" apart from the mark shown.

Particular description of goods.—Hosiery, Sweaters, and Fabric Gloves.

Claims use since 1889.

Ser. No. 172,565. (CLASS 39. CLOTHING.) THE STYLE-CENTER TAILORING COMPANY, Cincinnati, Ohio. Filed Nov. 25, 1922.

TAILORED AT THE
Style-Center
—CINCINNATI—

No claim made to the words "Tailored at the" and "Cincinnati" except in the form and association as shown in the drawing.

Particular description of goods.—Women's and Young Women's Clothing and Garments Consisting of Shirt Waists, Cravats, Stockings; Gloves Made of Leather, Rubber, Fabric, or Combinations of These; Leggings, Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, or Combinations of These; Cloaks, Capes, and Golf, Riding, Plain and Fancy Coats, Vests, Trousers, and Skirts.

Claims use since May 26, 1917.

Ser. No. 172,799. (CLASS 39. CLOTHING.) HARRIS SUSPENDER COMPANY, New York, N. Y. Filed Dec. 1, 1922.

1755

Particular description of goods.—Suspenders.

Claims use since Jan. 2, 1914.

Ser. No. 172,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERRELL-SOULE COMPANY, Syracuse, N. Y. Filed Dec. 1, 1922.

STARLAC

Particular description of goods.—Powdered Skimmed Milk.

Claims use since April, 1922.

Ser. No. 173,218. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DICK WEBSTER & CO., Yankton, S. Dak. Filed Dec. 11, 1922.

"LADY WEBSTER"



The portrait shown in the accompanying drawing is that of Gertrude Webster.

Particular description of goods.—Wire Hairpins.

Claims use since Aug. 31, 1922.

Ser. No. 173,409. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMUEL EHRMAN CO., New York, N. Y. Filed Dec. 16, 1922.

"AMI"

Particular description of goods.—Venice Laces, Imitation of Handmade Filet Laces, Irish Laces, Duchess Laces, and Point Rose Laces in the Piece.

Claims use since September, 1922.

Ser. No. 174,044. (CLASS 37. PAPER AND STATIONERY.) WALTHER & COMPANY, New York, N. Y. Filed Dec. 30, 1922.

WALCO
QUALITY
N Y
W & D

No claim is made to the exclusive use of the expressions "Quality" or "N. Y." except when associated with the other features of the mark.

Particular description of goods.—Papers—Namely, Surface-Coated, Roll-Printed, Metal-Coated, Embossed, Flint, Friction, Glazed, Plated, Leatherette, Special-Design, Copper, and Foil Paper for Box Maker and Lithographic.

Claims use since May, 1922.

Ser. No. 174,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YAKIMA CANDY CO., Yakima, Wash. Filed Jan. 5, 1923.

Yakima APPLE FRITTER BAR

Applicant disclaims all features of the mark including the words "Apple Fritter Bar" and the word "Yakima" per se except in the distinctive way in which it is shown.

Particular description of goods.—Candies, Candy Bars, Miscellaneous Salted Nuts, and Nut Bars.

Claims use since Mar. 1, 1920.

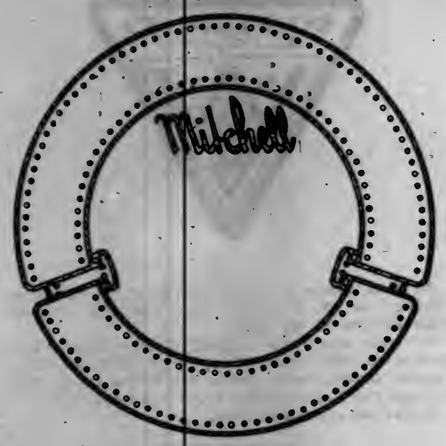
Ser. No. 174,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDSON BROS., Philadelphia, Pa. Filed Jan. 8, 1923.

DORATA

Particular description of goods.—Olive Oil.

Claims use since Nov. 14, 1922.

Ser. No. 174,365. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CERIL JOHNSON WOOLEN CO., Stafford Springs, Conn. Filed Jan. 9, 1923.



Particular description of goods.—Woolen and Worsted Piece Goods for Men's Wear Only.
Claims use since Dec. 26, 1922.

Ser. No. 174,488. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO STORAGE BATTERY CO., San Francisco, Calif. Filed Jan. 11, 1923.



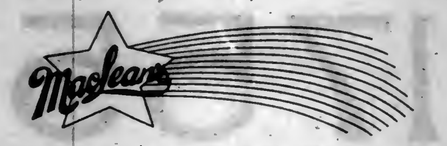
Particular description of goods.—Storage Batteries.
Claims use since November, 1921.

Ser. No. 174,598. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Jan. 13, 1923.



Particular description of goods.—Wheat Flour.
Claims use since prior to 1906.

Ser. No. 175,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAC LEAN DRUG COMPANY, Chicago, Ill. Filed Feb. 3, 1923.



Particular description of goods.—Olive Oil, Cakes, Breakfast Cereal, Sandwiches, Salads, Salted Nuts, Dried Raisins and Bio Food—Namely, Yeast Cakes, Yeast Preparations for Food Purposes Containing Vitamins, Such as Cubes and Powders, Bouillon, Consomme; and Baby Foods, Namely, Malted Milk, Evaporated, Condensed, and Dried Milk, Zwieback, Crackers, Coconut Oil, Cough Drops, and Turmeric; Olives, Condensed Milk, Candy, Dog Biscuit, Salad Dressing, Tea, Sugar of Milk, Mustard, Malt Extracts for Food Purposes, Fruit Preserves, Coffee.
Claims use since November, 1918.

Ser. No. 175,570. (CLASS 39. CLOTHING.) BENJAMIN ROTHBELL, doing business as Max Rothbell & Sons, New York, N. Y. Filed Feb. 5, 1923.



Particular description of goods.—Cloaks and Suits.
Claims use since Nov. 1, 1922.

Ser. No. 176,513. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK TOKECSKY, New York, N. Y. Filed Feb. 23, 1923.



Particular description of goods.—Cloth-Washing Powder.
Claims use since Jan. 1, 1923.

Ser. No. 176,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE WERKIN CORPORATION, New York, N. Y. Filed Feb. 27, 1923.



No exclusive right to the words "La Gelee Magique" is claimed apart from the trade-mark as shown.
Particular description of goods.—Cleansing Compositions and Spot Removers.
Claims use since Jan. 22, 1923.

Ser. No. 177,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRIS. GROZINGER CO. INC., Brooklyn, N. Y. Filed Mar. 12, 1923.

CHRISGCO

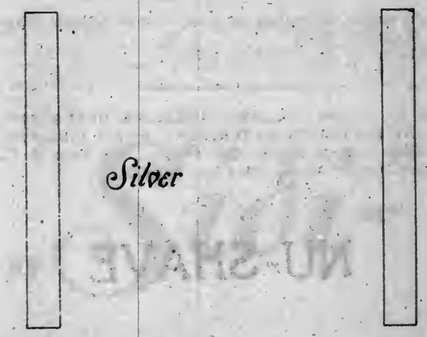
Particular description of goods.—Smoked Ham, Baked Meat Loaf, Bacon, Roast Ham, and Boiled Ham.
Claims use since Mar. 1, 1923.

Ser. No. 177,919. (CLASS 38. PRINTS AND PUBLICATIONS.) HERBERT C. MERSHON, doing business as Mershon Advertising Agency, Chicago, Ill. Filed Mar. 23, 1923.



Particular description of goods.—Redeemable Coupons.
Claims use since Dec. 8, 1922.

Ser. No. 178,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. L. JOHNSON & CO., INC., also doing business as Johnson's, Knoxville, Tenn. Filed Mar. 29 1923.



Particular description of goods.—Candy.
Claims use since Jan. 1, 1921.

Ser. No. 178,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RINAUDO, MAJANO & CIE., Nice, France. Filed Apr. 4, 1923.



The lining on the drawing being for shading purposes only. No claim is made to any of the wording on the drawing apart from the mark shown, no common-law rights being hereby disclaimed.
Particular description of goods.—Olive Oil.
Claims use since April, 1922.

Ser. No. 178,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MARYSVILLE MILL & ELEVATOR COMPANY, Marysville, Kans. Filed Apr. 5, 1923.



Particular description of goods.—Wheat Flour and Graham Flour.
Claims use since October, 1922.

Ser. No. 178,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE STOKES CO., INC., Chicago, Ill. Filed Apr. 7, 1923.



Particular description of goods.—Semiprepared Fondant or Base for Use as Icing, Also as a Base for Ice Cream and as a Topping for Ice Cream Sundaes, Desserts, and Beverages.
Claims use since December, 1917.

Ser. No. 179,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIDLEY'S, THE OLD CHAMBERS STREET CANDY MANUFACTORY, Long Island City, N. Y. Filed Apr. 12, 1923. Under ten-year proviso.

SUGAR PLUMS

Particular description of goods.—Candies.
Claims use since 1873.

Ser. No. 179,060. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SCHWEIZERISCHE MAGNETA A.-G., Zug, Switzerland. Filed Apr. 12, 1923.

INDUCTA

Particular description of goods.—Electrical Clocks.
Claims use since October, 1922.

Ser. No. 179,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMPIRE STATE CANNING CO., Rome, N. Y. Filed Apr. 14, 1923.

DEVOTION

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since 1922.

Ser. No. 179,206. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE E. C. HUMPHREYS & BROTHER CO., Columbus, Ohio. Filed Apr. 16, 1923.



No claim is made to the exclusive use of the words "Natural Milled" and "Molding Sand" apart from the mark shown in the drawing. The representation of the sun and rays and the words "Royal Red" indicate red.
Particular description of goods.—Molding and Core Sand and Ground Fire Clay.
Claims use since Mar. 1, 1923.

Ser. No. 179,350. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Apr. 19, 1923.

Nuflora

Particular description of goods.—Laxative Food Adapted to Promote the Growth of Protective Bacteria in the Intestinal Flora.
Claims use since Apr. 3, 1923.

Ser. No. 179,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RITA A. KRAUS, doing business as Ritanella Co., Philadelphia, Pa. Filed Apr. 21, 1923.



Particular description of goods.—Toilet Creams and Shampoos.
Claims use since September, 1922.

Ser. No. 179,532. (CLASS 39. CLOTHING.) QUARTUS B. HENDERSON, Toronto, Ontario, Canada. Filed Apr. 23, 1923.

SANI-TREADS

Particular description of goods.—Bath Slippers Made of Vegetable Fiber.
Claims use since Mar. 1, 1923.

Ser. No. 180,096. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SIDNEY I. BARNETT, doing business as The Nu-Shave Co., New York, N. Y., and Detroit, Mich. Filed May 3, 1923.

NU-SHAVE

Particular description of goods.—A Saponified Shaving Compound in Paste Form.
Claims use since Apr. 20, 1923.

Ser. No. 180,316. (CLASS 39. CLOTHING.) MAURICE J. SCHNEIDER, Los Angeles, Calif. Filed May 5, 1923.

TAILOR *Chesterfield* MADE

The right to the exclusive use of the words "Tailor Made" is disclaimed apart from the remainder of the mark.
Particular description of goods.—Men's Collars, Dress and Negligee Shirts, Pyjamas, Nightgowns, and Textile Underwear and Boys' Shirts and Blouses.
Claims use since May 1, 1922.

Ser. No. 180,427. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THOMAS B. M. GATES, New York, N. Y. Filed May 10, 1923.

The Lion Brand



No claim made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Toilet Pins of Non-precious Metal.
Claims use since Mar. 21, 1892.

Ser. No. 180,437. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed May 10, 1923.

„Sidi"

Particular description of goods.—Sensitized Photographic Paper, Cardboard, and Post Cards.
Claims use since June 1, 1910.

Ser. No. 180,438. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed May 10, 1923.

„ELEPHANT"

Particular description of goods.—Sensitized Photographic Paper, Cardboard, and Post Cards.
Claims use since Feb. 15, 1906.

Ser. No. 180,439. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed May 10, 1923.



Particular description of goods.—Sensitized Photographic Paper, Cardboard, and Post Cards.
Claims use since Apr. 14, 1923.

Ser. No. 180,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE G. B. FARRINGTON CO., New York, N. Y. Filed May 14, 1923. Under ten-year proviso.

NEWPORT

Particular description of goods.—Coffee.
Claims use since about 1870.

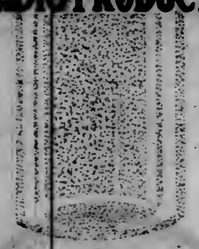
Ser. No. 180,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. SQUIBB & SONS, New York, N. Y. Filed May 14, 1923.

SQUIBB'S COMFORT

Particular description of goods.—Cold Cream.
Claims use since Apr. 18, 1923.

Ser. No. 180,635. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WELCH BATTERY CO., Flint, Mich. Filed May 14, 1923.

THE
FRUIT JAR
RADIO PRODUCTS



Disclaimer is hereby made of "Radio Products" except in association with the mark shown in the drawing.

Particular description of goods.—Battery and Rectifier Plates, Cell Caps, Threaded Nuts, Filler Plugs, Cell Connectors, and Cell Assembly Boxes.

Claims use since Feb. 1, 1923.

Ser. No. 180,695. (CLASS 37. PAPER AND STATIONERY.) FRED GEITZ, Jr., St. Louis, Mo. Filed May 16, 1923.

"Usa"

Particular description of goods.—Blank Books Which are Specifically Adapted for the Keeping of a Home Budget.

Claims use since about Dec. 1, 1921.

Ser. No. 181,112. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CROSS BRO'S CO., Northfield, Vt. Filed May 25, 1923.

CROSS BROTHERS CO
NORTHFIELD VT
PARAMOUNT

No claim is made to the exclusive use of the words "Northfield, Vt." apart from the mark as shown in the drawing.

Particular description of goods.—Tombstones, Monuments, and Memorials.

Claims use since May 8, 1923.

Ser. No. 181,184. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) W. S. GRANT COMPANY, New York, N. Y. Filed May 26, 1923.

MISTO
SPRAY-BATH

Exclusive use of the words "Spray Bath" is disclaimed except in association with the rest of the mark shown. The lining on the drawing is for shading only.

Particular description of goods.—Bath Sprays with Rubber-Tubing Attachments.

Claims use since May 5, 1913.

Ser. No. 181,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD O. COTTON, doing business as Cotton Drug Co., Incorporated, Goldsboro, N. C. Filed May 31, 1923.

COT-TONE-O

Particular description of goods.—Preparation for the Treatment of Muscular and Inflammatory Rheumatism.

Claims use since Feb. 1, 1923.

Ser. No. 181,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CO-OPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Syracuse, N. Y. Filed June 2, 1923.

G.L.F.
Quality

Applicant hereby expressly disclaims the exclusive use of the word "Quality" apart from the other features of the mark.

Particular description of goods.—Foods and Ingredients of Foods.

Claims use since July 1, 1921.

Ser. No. 181,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. H. GUILD COMPANY, Rupert, Vt. Filed June 2, 1923.



The words "Asthma Compound" are hereby disclaimed except in combination with the mark shown, applicant, however, waiving no common-law rights in its trademark as a whole.

Particular description of goods.—Preparation for the Treatment of Asthma.

Claims use since December, 1868.

Ser. No. 181,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABST FARMS, Summit and Oconomowoc, Wis., assignor to Pabst Holstein Farms, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 2, 1923.

PABST

Particular description of goods.—Cheese.

Claims use since May 15, 1923.

Ser. No. 181,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa. Filed June 2, 1923.

Acido

Particular description of goods.—Bottled Cultured Milk.

Claims use since May 1, 1923.

Ser. No. 181,667. (CLASS 39. CLOTHING.) BALACLAVA KNITTING MILLS, New York, N. Y. Filed June 8, 1923.

"BAL"

Particular description of goods.—Knitted Caps, Knitted Sweaters, Knitted Gloves, Knitted Hosiery, and Knitted Scarfs.

Claims use since January, 1923.

Ser. No. 181,822. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DAVIS & LAWRENCE CO., New York, N. Y. Filed June 11, 1923.

D L
SANDOLA
© MARCA DE FABRICA NUEVA YORK

No claim is made to the exclusive use of the words "Marca de Fabrica" and "Nueva York" apart from the mark shown on the drawing.

Particular description of goods.—Toilet Soaps, Hand Soaps, and Skin Soaps.

Claims use since 1913.

Ser. No. 181,841. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MULHOLLAND BROS. INC., Aurora, Ill. Filed June 11, 1923.



Particular description of goods.—Silver-Plated Hollow Ware.

Claims use since 1917.

Ser. No. 181,907. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. H. OLD & CO. INC., New York, N. Y. Filed June 12, 1923.

SUN SWEET

Particular description of goods.—Paprika, Cassia, Cassia Buds, Cinnamon, Cloves, Ginger, Mace, Marjoram, Shredded and Desiccated Coconut, Nutmegs; Spanish Red Peppers Packed in Brine, Vinegar, or Other Suitable Liquid; White Pepper, Black Pepper, and Red Pepper.

Claims use since June, 1922.

Ser. No. 181,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. H. OLD & CO. INC., New York, N. Y. Filed June 12, 1923.

SUN-PEP

Particular description of goods.—Paprika, Cassia, Cassia Buds, Cinnamon, Cloves, Ginger, Mace, Marjoram, Shredded and Desiccated Coconut, Nutmegs; Spanish Red Peppers Packed in Brine, Vinegar, or Other Suitable Liquid; White Pepper, Black Pepper, and Red Pepper.
Claims use since June, 1922.

Ser. No. 181,949. (CLASS 39. CLOTHING.) THE IRISH LINEN MESH COMPANY, LIMITED, Belfast, Ireland. Filed June 13, 1923.

AIRLIN

Particular description of goods.—Articles of Underwear of Knitted Fabric—viz, Men's and Boys' Underdrawers, Combinations, Union Suits, and Pyjamas, and Ladies' and Girls' Vests, Combinations, Union Suits, Nightdresses, and Drawers.
Claims use since Oct. 21, 1904.

Ser. No. 181,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERTO PRETTO, doing business as E. Pretto & C., Genoa, Italy. Filed June 13, 1923.

E. PRETTO & C.



GENOVA

No claim is made to the word "Genova" apart from the mark as shown in the drawing.
Particular description of goods.—Alimentary Pastes.
Claims use since Jan. 1, 1880.

Ser. No. 182,253. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES E. MCCORRISON, Seattle, Wash. Filed June 20, 1923.



No claim is made to the word "Trick" apart from the mark shown on the drawing.
Particular description of goods.—Sporting Goods.
Claims use since May 1, 1923.

Ser. No. 182,308. (CLASS 39. CLOTHING.) F. P. HOY, INC., New York, N. Y. Filed June 21, 1923.

Le Alice

Particular description of goods.—Corsets.
Claims use since May 18, 1923.

Ser. No. 182,388. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TRIANGLE KAPOK MACHINE CORP., New York, N. Y. Filed June 23, 1923.

AERATES KAPOK CLEANS FILLS

No claim is made to the words "Aerates," "Cleans," "Fills," or "Kapok" apart from the mark as shown in the drawing, applicant reserving, however, its common-law rights.
Particular description of goods.—Mattress-Filling Machines.
Claims use since May 2, 1923.

Ser. No. 182,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS OVSON COMPANY, Chicago, Ill. Filed June 25, 1923.

MOCOYOLK

Particular description of goods.—Frozen Egg Product Composed of Egg Yolks with Edible Glycerin Added and Frozen to Preserve the Yolk in Original Consistency.
Claims use since Apr. 20, 1923.

Ser. No. 182,471. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G & G SCIENTIFIC EGG FOOD CO., San Francisco, Calif. Filed June 26, 1923.

G & G

Particular description of goods.—Food Preparation for Birds.
Claims use since Nov. 5, 1922.

Ser. No. 182,560. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBERT M. BOWMAN, San Francisco, Calif. Filed June 29, 1923.

NONPAREIL

Particular description of goods.—Window and Windshield Cleansing Preparation and a Swab Impregnated with a Vision-Clarifying Solution.
Claims use since Mar. 1, 1923.

Ser. No. 182,630. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) G. H. VOTER, INC., Boston, Mass. Filed June 29, 1923.

HYKLAS

Particular description of goods.—Icemen's Back Aprons.
Claims use since January, 1922.

Ser. No. 182,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 5, 1923.

JESSAMINE

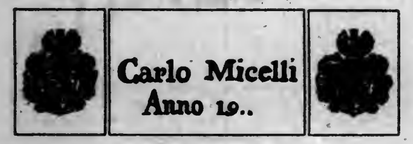
Particular description of goods.—Wheat Flour.
Claims use since September, 1885.

Ser. No. 182,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODOR KOENIG, Munich, Germany. Filed July 5, 1923.

PHOSPHOBION

Particular description of goods.—Medicinal Compound for the Treatment of Nervous Disorders.
Claims use since Oct. 17, 1916.

Ser. No. 182,923. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. MEISEL, INC., New York, N. Y. Filed July 7, 1923.



Any exclusive use of the words "Anno 19" is disclaimed.
Particular description of goods.—Violins, Violas, Violoncellos, Double Basses, Pianos, Organs, Phonographs, Talking Machines, Accordions, Harmonicas, and Bows, Strings, Trimmings, and Chin Rests for Aforesaid Instruments.
Claims use since about Jan. 1, 1910.

Ser. No. 182,958. (CLASS 39. CLOTHING.) BLEK CO. MFRS., St. Louis, Mo. Filed July 9, 1923.

RED DOT

The lining in the drawing indicates the color red.
Particular description of goods.—Men's, Boys', Women's, and Children's Garters.
Claims use since Mar. 15, 1923.

Ser. No. 182,990. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEERLESS COTTON MILLS, Thomaston, Ga. Filed July 9, 1923.



Particular description of goods.—Sheets, Sheeting, Pillowcases, and Bolster Coverings.
Claims use since December, 1921.

Ser. No. 183,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HENDLER CREAMERY COMPANY, Baltimore, Md. Filed July 11, 1923.

Hendlers TREAT

Particular description of goods.—Ice Cream.
Claims use since May 15, 1923.

Ser. No. 183,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENN WORSHOWSKY, doing business as Worsh's Myra Mfg. Co., Philadelphia, Pa. Filed July 11, 1923.

WORSH'S MYRA

Particular description of goods.—Ointments for the Treatment of Eczema and Skin Diseases, Dandruff Remover, and Hair Grower.
Claims use since Feb. 7, 1922.

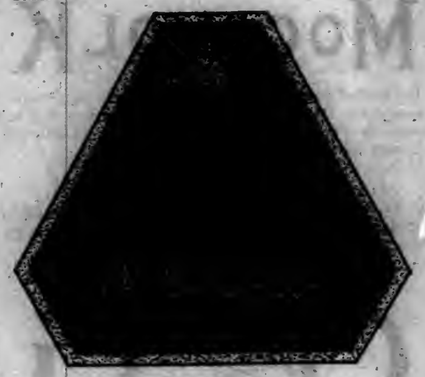
Ser. No. 183,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. W. SHELLMAN, Townsend, Ga. Filed July 13, 1923.



L. W. Shellman, M. T. D.

The portrait shown in accompanying drawing is that of applicant.
Particular description of goods.—Tonic for Purifying the Blood, for the Treatment of Indigestion, Whites, Piles, and Female Weakness, a Purgative, and a Liniment.
Claims use since Mar. 1, 1919.

Ser. No. 183,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923.



Particular description of goods.—Hair Shampoo, Hair Curling and Hair Dyeing Liquids, Hair Tonic, Hair Shampoo Powder, Scalp Balm, Dandruff Salve; Hair Remover in Cake, Powder, and Liquid Forms; Face Powder; Rouge in Cake, Cream, Liquid, and Powder Forms; Nail Cleanser in Cake Form, Nail-Whitener Cream, Nail Bleach; Nail Polish in Cake, Cream, Powder, and Liquid Forms; Cuticle Cream, Cuticle Remover, Face Beautifying Liquid, Antiseptics, and Foot Powder.
Claims use since June, 1914.

Ser. No. 183,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STICKNEY & POOR SPICE CO., Boston, Mass. Filed July 13, 1923. Under ten-year proviso.

MUGS

Particular description of goods.—Prepared Mustard.
Claims use since Jan. 26, 1893.

Ser. No. 183,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FURST-MCNESS COMPANY, Freeport, Ill. Filed July 16, 1923.

F.A.McNess'

Facsimile of F. W. McNess's signature.
Particular description of goods.—Liniments for External Use for Rheumatic Pains, Neuralgia, Aches, Sprains, Stiffness, Burns, Stings, Frostbites, Bruises, Chilblains, Wounds, Cuts, and Swellings; for Internal Use for Colds, Grippe, Cramps, Cholera Morbus, Colic, Diarrhea, and Internal Pains; Liniment for External Use on Stock in the Treatment of Barb-Wire Cuts, Wounds, Galls, Sore Neck, Collar Boils, Bruises, Swellings, Grease Heel, Thrush, Cracked Hoof, and Sore Teats on Cows; Medicinal Preparations Used for the Treatment of Constipation, Torpid Liver, Intestinal Indigestion, Biliousness, Chills, Malaria, Dumb and Third-Day Chills, Ague, Remittent Fever, Bilious Fever, Liver Complaint, Jaundice, Rheumatic Pains, Neuralgia, Aches, Burns, Bites, Stings, Bruises, Chilblains, Pains, Wounds, Diarrhea, Summer Complaint, Colic, and Cramps; Tonic for Thin Blood, Loss of Appetite, Malnutrition, Weakness, Run-Down Condition, Low Vitality, Anemia, and General Debility; Methelated Cough Sirup, Sarsaparilla and Burdock Compound, Camphor Rub, Germicide, Mustard Ointment, Laxative Cold Tablets, Insect Powder, Lice Powder and Insecticide, Stock Tonic, Krenol Dip and Disinfectant, Sal-Tonic, a Medicated Stock Salt; a Liquid Preparation Used for Spraying Animals as a Fly Repellent, Poultry Tonic, Baking Powder, Food Colors; and Toilet Preparations—Namely, Almond Cream, Lilac Toilet Lotion, Liquid Shampoo, Cold Cream, Rose Pomade, Toilet Water, and Perfumes.
Claims use since Apr. 16, 1908.

Ser. No. 183,391. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VICTORIA MCDONALD, Cleveland, Ohio. Filed July 18, 1923.

VIMAE DEANE

Particular description of goods.—Cleansing Cream and Wrinkle Remover and Face Powder.
Claims use since July 1, 1922.

Ser. No. 183,424. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRUE-TONE RADIO MFG. CO. (NOT INC.), Chicago, Ill. Filed July 18, 1923.

TRADE Home-Speaker MARK

The applicants make no claim to the words "Speaker," "Trade," "Mark" apart from the mark shown in the drawing.
Particular description of goods.—Radiotelephone Loud-Speaker Horns, Radio Loud-Speaker Telephone Units, and Radiotelephone Head Sets.
Claims use since Sept. 15, 1922.

Ser. No. 183,571. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MICHAEL CLAUDE HART, Manchester, England. Filed July 23, 1923.



No claim made to the exclusive right to the use of the representation of a man in armor except as shown in the drawing, and no claim is made to the exclusive right to the use of any of the letterpress apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 20, 1921.

Ser. No. 183,620. (CLASS 39. CLOTHING.) LICHTENSTEIN-MITTENTHAL COMPANY, Dallas, Tex. Filed July 24, 1923.

Bess Anne

Particular description of goods.—Women's, Misses', and Children's Hats.
Claims use since about July 1, 1923.

Ser. No. 183,671. (CLASS 39. CLOTHING.) S. Y. W. HOSIERY CO., Burlington, N. C. Filed July 25, 1923.

SYW HOSIERY "SERVES YOU WELL"

No claim made to the words "Serves You Well" and "Hosiery" apart from the mark shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1921.

Ser. No. 183,680. (CLASS 39. CLOTHING.) WARING HAT MANUFACTURING CORPORATION, Yonkers, N. Y. Filed July 25, 1923. Under ten-year proviso.

WARING

Particular description of goods.—Hats and Caps.
Claims use since 1848.

Ser. No. 183,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. M. REMEDY CO., Durham, N. C. Filed July 26, 1923.

CM.

Particular description of goods.—Preparation for the Relief of Pain and Suffering from Headaches, Neuralgia, Nervousness, Female Pains, Rheumatic Pains, La Grippe, Fevers, and Colds.
Claims use since Sept. 17, 1919.

Ser. No. 183,702. (CLASS 39. CLOTHING.) MAX GUSTIN, doing business as M. Gustin Co., New York, N. Y. Filed July 26, 1923.



No claim is made to the exclusive use of the words "Trade Mark" and the representation of the shoes apart from the mark shown on the drawing.
Particular description of goods.—Shoes, Boots, Pumps, Slippers, and Slipper Soles Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since about June 15, 1923.

Ser. No. 183,703. (CLASS 39. CLOTHING.) MAX GUSTIN, doing business as M. Gustin Co., New York, N. Y. Filed July 26, 1923.

World-over

Particular description of goods.—Shoes, Boots, Pumps, Slippers, and Slipper Soles Made of Leather, Fabric, Rubber, and Combinations Thereof.
Claims use since about June 15, 1923.

Ser. No. 183,704. (CLASS 39. CLOTHING.) THE HATTER'S CLEARING HOUSE INC., New York, N. Y. Filed July 26, 1923.

Silver Peacock

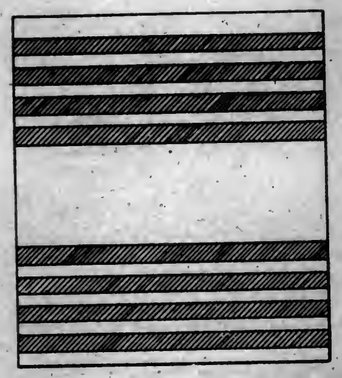
Particular description of goods.—Ladies', Men's, and Boys' Hats and Caps.
Claims use since July 1, 1923.

Ser. No. 183,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK J. STEARNS, Manchester, N. H. Filed July 26, 1923.

Stearn's LICE OFF Ointment

The word "Ointment" appearing in the drawing is disclaimed as a part of the trade-mark claimed.
Particular description of goods.—Poultry Lice Ointment.
Claims use since July 9, 1923.

Ser. No. 183,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KISSE BROTHERS COMPANY, Springfield, Mass. Filed July 30, 1923.



The trade-mark consists of a plurality of separated brown stripes applied to the white paper in which the goods are wrapped, as shown in the drawing, the lining of the drawing indicating the color brown.
Particular description of goods.—Peanut-Butter Kisses.
Claims use since Mar. 10, 1923.

Ser. No. 183,863. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) STEVENS & COMPANY, INC., Providence, R. I. Filed July 30, 1923.

UNLYNED ARTSHEL

No claim is made to the descriptive word "Unlyned" apart from the mark shown.
Particular description of goods.—Ophthalmic Mountings and Parts Thereof.
Claims use since May, 1923.

Ser. No. 183,881. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed July 31, 1923.

DEAUVILLE

Particular description of goods.—Perfumes and Toilet Preparations—Namely, Cold Cream, Dry Cream, Tooth Powder, Tooth Paste, Talcum Powder, Rouge, Almond Meal, Bath Salts, Bath Powder, Smelling Salts, Sachet, Toilet Water, Face Powder, Toilet Cerates, and Headache Cologne.
Claims use since Mar. 6, 1923.

Ser. No. 183,941. (CLASS 39. CLOTHING). JULIUS RHONHEIMER, doing business as J. Rhonheimer & Company, New York, N. Y. Filed Aug. 1, 1923.



The words "Sets on Right" is disclaimed apart from the mark as shown.
Particular description of goods.—Men's, Women's, and Children's Hats.
Claims use since Apr. 16, 1923.

Ser. No. 183,968. (CLASS 11. INKS AND INKING MATERIALS.) D. GESTETNER LIMITED, London, England. Filed Aug. 2, 1923.

CESTEPRINT

Particular description of goods.—Inks for Printing and Stenciling.
Claims use since Dec. 31, 1919.

Ser. No. 183,969. (CLASS 11. INKS AND INKING MATERIALS.) D. GESTETNER LIMITED, London, England. Filed Aug. 2, 1923.

DUROTYPE

Particular description of goods.—Inks for Printing and Stenciling.
Claims use since Sept. 23, 1921.

Ser. No. 183,976. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Filed Aug. 2, 1923.

MORSE & ROGERS
ALL LEATHER
TRADE MARK

No claim is made to the words "Morse and Rogers," "All Leather," or "Trade Mark" apart from the mark shown in the drawing.
Particular description of goods.—Leather Boots and Shoes and Slippers.
Claims use since about Dec. 1, 1921.

Ser. No. 183,979. (CLASS 32. FURNITURE AND UPHOLSTERY.) KNOXVILLE MATTRESS CO., Knoxville, Tenn. Filed Aug. 2, 1923.



The representation of a mattress appearing on the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Mattresses.
Claims use since May, 1918.

Ser. No. 184,102. (CLASS 39. CLOTHING.) QUALITY SHOE SHOP, Washington, D. C. Filed Aug. 4, 1923.



The word "Shoes" is disclaimed apart from the mark.
Particular description of goods.—Leather, Rubber, Fabric Shoes.
Claims use since July 16, 1923.

Ser. No. 184,104. (CLASS 39. CLOTHING.) SABLE BROS., New York, N. Y. Filed Aug. 4, 1923.

"Bab" Hats for Growing Girls

The phrase "Hats for Growing Girls" is disclaimed except as associated with the other features of the mark.
Particular description of goods.—Ladies', Men's, Misses', Boys' and Children's Hats and Caps and Ladies' Scarfs.
Claims use since Sept. 1, 1921.

Ser. No. 184,117. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) PATRICK HENRY CASEY, doing business as Casey Chemo-Therapy Co., Baltimore, Md. Filed Aug. 6, 1923.

CASEY

CASEY

Particular description of goods.—Tablets Recommended for Use in the Treatment of Headaches, Neuritis, Neuralgia, Rheumatism, Colds, Influenza (Flu), Lumbago (Pain in the Back), Nervousness, Periodic Pains, Cramps in the Limbs, Palpitation of Heart, Soreness and Stiffness of the Muscles, Mental Fatigue, Physical Exhaustion, Etc.
Claims use since Feb. 10, 1923.

Ser. No. 184,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERTHE P. CLEMENT, administratrix of the Estate of Emile A. Clement, New York, N. Y. Filed Aug. 9, 1923.

LA TOURAINE

Particular description of goods.—Cheese Wafers.
Claims use since 1900.

Ser. No. 184,239. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELBORN PHARMACAL CO., INC., Brooklyn, N. Y. Filed Aug. 9, 1923.

SANAR

The mark consists of the word "Sanar."
Particular description of goods.—Liniment.
Claims use since July 9, 1923.

Ser. No. 184,246. (CLASS 39. CLOTHING.) KIRKENDALL SHOE COMPANY, Omaha, Nebr. Filed Aug. 9, 1923.

KIRK-PAC

Particular description of goods.—Leather Moccasins.
Claims use since Aug. 15, 1922.

Ser. No. 184,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y. Filed Aug. 11, 1923.

TASTUM

Particular description of goods.—Biscuit Sandwich.
Claims use since July, 1923.

Ser. No. 184,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GALVESTON ICE CREAM CO. INC., Galveston, Tex. Filed Aug. 13, 1923.

KR ICE CREAM

THE STANDARD OF EXCELLENCE

No claim is made to the exclusive use of the words "Ice Cream" and the exclusive use of the words "The Standard of Excellence" apart from the Other features of the mark shown.
Particular description of goods.—Ice Cream and Frozen Ices.
Claims use since about June 15, 1921.

Ser. No. 184,410. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LUTZ & RICHARDSON, Baltimore, Md. Filed Aug. 13, 1923.

LURISIGN

Particular description of goods.—Printed Signs.
Claims use since July 1, 1923.

Ser. No. 184,439. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Aug. 14, 1923.



The picture of the individual is fanciful; no claim made to the exclusive use of the word "Pencils" apart from the mark shown on the drawing.
Particular description of goods.—Pencils.
Claims use since about 1904.

Ser. No. 184,440. (CLASS 39. CLOTHING.) DAVID HILL, LIMITED, Leicester, England. Filed Aug. 14, 1923.

FUTURIST

Particular description of goods.—Heels for Boots and Shoes Made of Rubber, Leather, Wood, Compo, Fabric, and Combinations Thereof.
Claims use since Mar. 3, 1923.

Ser. No. 184,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERRIE A. BRAGG, doing business as The Reliable Chemical Company, Winchester, Ind. Filed Aug. 16, 1923.

WONDER

Particular description of goods.—Compound for the Treatment of Mange-Infected Hogs.
Claims use since June 27, 1923.

Ser. No. 184,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. M. HARRISON, Philadelphia, Pa. Filed Aug. 16, 1923.

DULCENE

Particular description of goods.—Deodorant Preparations.
Claims use since Mar. 1, 1923.

Ser. No. 184,558. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORMAN MFG. CO., Quincy, Ill. Filed Aug. 16, 1923.



Particular description of goods.—Mineral Mixture Used as Tonic for Swine.
Claims use since Jan. 1, 1913.

Ser. No. 184,575. (CLASS 39. CLOTHING.) THE ZANE SHOE CO., Zanesville, Ohio. Filed Aug. 16, 1923.

PITTER-PATTER

Particular description of goods.—Children's and Misses' Turned and Welt Shoes Made of Leather, Rubber, Fabric, and Combinations of Same.
Claims use since July 18, 1923.

Ser. No. 184,596. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Aug. 17, 1923.

Junia

Particular description of goods.—Misses' and Children's Hats.
Claims use since about July 1, 1922.

Ser. No. 184,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HULMAN & COMPANY, Terre Haute, Ind. Filed Aug. 17, 1923.

CLABBER GIRL



BAKING POWDER

No claim is made to the use of the words "Baking Powder" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Baking Powder.
Claims use since July 3, 1923.

Ser. No. 184,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERNATIONAL COMPANY, Baltimore, Md. Filed Aug. 18, 1923.

VELVET

Particular description of goods.—Cake.
Claims use since Aug. 9, 1923.

Ser. No. 184,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE CO., New York, N. Y. Filed Aug. 18, 1923.

CREFORT

Particular description of goods.—Cheese.
Claims use since July 25, 1923.

Ser. No. 184,718. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISHER FLOURING MILLS COMPANY, Seattle, Wash. Filed Aug. 20, 1923.

EL NIÑO



The picture shown in the drawing is fanciful.
Particular description of goods.—Wheat Flour.
Claims use since March, 1923.

Ser. No. 184,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISHER FLOURING MILLS COMPANY, Seattle, Wash. Filed Aug. 20, 1923.



The picture shown in the drawing is fanciful.
Particular description of goods.—Wheat Flour.
Claims use since March, 1923.

Ser. No. 184,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER H. NARBONNE, doing business as Narbonne Ranch, Thermal, Calif. Filed Aug. 20, 1923.

Mermaid

Particular description of goods.—Fresh and Dried Dates.
Claims use since November, 1922.

Ser. No. 184,767. (CLASS 39. CLOTHING.) M. T. SHAW, INC., Racine, Wis. Filed Aug. 20, 1923.

TRADE BUILDER

Particular description of goods.—Shoes Made Wholly or in Part of Leather.
Claims use since May 5, 1922.

Ser. No. 184,769. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH GEORGIA PRODUCE COMPANY, Vidalia, Ga. Filed Aug. 20, 1923.



TOM WATSON

The picture shown in the drawing is that of Tom Watson (deceased).
Particular description of goods.—Wheat Flour.
Claims use since June 10, 1923.

Ser. No. 184,804. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM SYKES, LIMITED, Horbury and London, England. Filed Aug. 21, 1923.



TUPHINE

Particular description of goods.—Footballs, Basket Balls, Soccer Balls, and Punching Balls.
Claims use since Aug. 17, 1906.

Ser. No. 184,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITY MANUFACTURING CO., Los Angeles, Calif. Filed Aug. 22, 1923.



Particular description of goods.—Tea, Coffee, Spices, and Flavoring Extracts for Foods.
Claims use since July 1, 1923.

Ser. No. 184,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITY MANUFACTURING CO., Los Angeles, Calif. Filed Aug. 22, 1923.



Particular description of goods.—Tea, Coffee, Spices, Flavoring Extracts for Food.
Claims use since Feb. 1, 1919.

Ser. No. 184,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN CONNECTICUT POULTRY PRODUCERS, INC., Willimantic, Conn. Filed Aug. 23, 1923.

New England Maid

Particular description of goods.—Eggs.
Claims use since Mar. 15, 1923.

Ser. No. 184,904. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C. Filed Aug. 23, 1923.

E.Z.

Particular description of goods.—Catarrh Cream, Nasal Spray, and Preparation for Removing Corns.
Claims use since Jan. 2, 1921.

Ser. No. 184,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, doing business as Key Chemical Co., Washington, D. C. Filed Aug. 23, 1923.

HANDY

Particular description of goods.—Skin Lotion.
Claims use since 1908.

Ser. No. 184,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, doing business as Key Chemical Co., Washington, D. C. Filed Aug. 23, 1923.

KEYS
PULVO-SEPTINE

Particular description of goods.—Antiseptic Powder.
Claims use since 1908.

Ser. No. 184,956. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES FORACE BARLOW, doing business as Vaporine Chemical Company, Memphis, Tenn. Filed Aug. 25, 1923.

"400"
LIVER WAFERS

No claim is made to the words "Liver Wafers" apart from the mark as shown on the drawing.
Particular description of goods.—Liver Pills.
Claims use since 1913.

Ser. No. 185,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PANCURA CHEMICAL COMPANY, Baltimore, Md. Filed Aug. 27, 1923.

PANCURA

Particular description of goods.—Healing and Drawing Salve.
Claims use since about May 15, 1892.

Ser. No. 185,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANCHESTER BISCUIT COMPANY, INCORPORATED, Sioux Falls, S. Dak. Filed Aug. 27, 1923.

Golden

Particular description of goods.—Zwieback.
Claims use since June 1, 1923.

Ser. No. 185,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY P. RUTHERFORD, Indianapolis, Ind. Filed Aug. 27, 1923.

G P R

Particular description of goods.—Medicinal Preparation for the Treatment of Piles.
Claims use since September, 1922.

Ser. No. 185,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRINGBROOK CANNING COMPANY, Springbrook, Oreg. Filed Aug. 27, 1923.

SPRINGWATER

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since May 1, 1923.

Ser. No. 185,062. (CLASS 12. CONSTRUCTION MATERIALS.) UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill. Filed Aug. 27, 1923.

INSURESTOS

Particular description of goods.—Compressed Asbestos Fire-Insulating Material Consisting of Fibrous Insulating Center with Asbestos Felted Fireproof Covering.
Claims use since Mar. 1, 1923.

Ser. No. 185,087. (CLASS 39. CLOTHING.) L. W. MARKS & CO. INC., New York, N. Y. Filed Aug. 28, 1923.

Kan-Mar

Particular description of goods.—Hats for Women.
Claims use since Aug. 12, 1923.

Ser. No. 185,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORTIMER W. SARGEANT, East Orange, N. J. Filed Aug. 28, 1923.

PALMOL
HANDROPS

Particular description of goods.—Hand Lotion.
Claims use since May 10, 1923.

Ser. No. 185,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLUMBUS CREAMERY, Columbus, Ga. Filed Aug. 30, 1923.

DIXIE GOLD

Particular description of goods.—Butter.
Claims use since July 30, 1923.

Ser. No. 185,248. (CLASS 39. CLOTHING.) FERLE HELLER, INC., New York, N. Y. Filed Sept. 1, 1923.

LA MODE CHEZ



No claim made to the words "La Mode Chez" apart from the mark shown in the drawing.
Particular description of goods.—Ladies' and Misses' Hats.
Claims use since November, 1915.

Ser. No. 185,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY J. CALAJOE, New York, N. Y. Filed Sept. 4, 1923.

RUMALGA

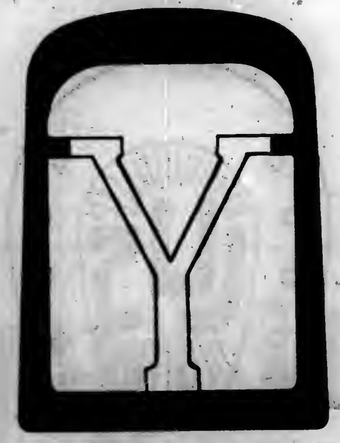
Particular description of goods.—Medicine for Rheumatism, Sciatica, Gout, La Grippe, Pains in the Arms and Shoulders, Neuralgia, Lumbago, Nervous Headache, Malaria, Chronic Rheumatism of the Joints and Muscles, and Other Annoyances Caused by Excess Uric Acid.
Claims use since about June 1, 1923.

Ser. No. 185,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE POMPEIAN MFG. COMPANY, Cleveland, Ohio. Filed Sept. 4, 1923.

Nymfaun

Particular description of goods.—Face Powder and Face Cream.
Claims use since June 4, 1923.

Ser. No. 185,328. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) YELLOW CAB MANUFACTURING CO., Chicago, Ill. Filed Sept. 4, 1923.



No claim is made to the outline of the radiator.
Particular description of goods.—Motor-Driven Vehicles—Namely, Automobile Taxicabs.
Claims use since June 20, 1923.

Ser. No. 185,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO C. DRENIKOW, doing business as California Syrup & Packing Co., Cupertino, Calif. Filed Sept. 5, 1923.

PRUNECTAR

Particular description of goods.—Table Sirups.
Claims use since Jan. 15, 1923.

Ser. No. 185,337. (CLASS 12. CONSTRUCTION MATERIALS.) A. P. GREEN FIRE BRICK CO., Mexico, Mo. Filed Sept. 5, 1923.

MEXI-KOMO

Particular description of goods.—Fire-Brick Mortar, Fire-Brick Cement, and Fire-Brick and Fire-Clay Shapes Used in Furnace Construction.
Claims use since Jan. 2, 1923.

Ser. No. 185,341. (CLASS 37. PAPER AND STATIONERY.) KANSAS CITY PAPER HOUSE, Kansas City, Mo. Filed Sept. 5, 1923.

CHALLENGE

Particular description of goods.—Book Papers.
Claims use since 1908.

Ser. No. 185,343. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) AMILCARE LUSUARDI, Turin, Italy. Filed Sept. 5, 1923.



Particular description of goods.—Pipes.
Claims use since Feb. 1, 1921.

Ser. No. 185,351. (CLASS 39. CLOTHING.) WEINSTEIN MANUFACTURING COMPANY, New York, N. Y. Filed Sept. 5, 1923.

EAS-FIT

Particular description of goods.—Men's and Boys' Caps.
Claims use since Mar. 15, 1923.

Ser. No. 185,368. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HILL CREST MANOR, Wheaton, Ill. Filed Sept. 6, 1923.



HILL CREST MANOR EGGS

No claim is made for the words of the trade-mark apart from the mark.
Particular description of goods.—Fresh Eggs.
Claims use since December, 1922.

Ser. No. 185,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Sept. 6, 1923.

Lo-la

Particular description of goods.—Condensed and Evaporated Milk.
Claims use since 1911.

Ser. No. 185,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN GUERNSEY CATTLE CLUB, Peterboro, N. H. Filed Sept. 7, 1923.

GURNZGOLD

Particular description of goods.—Milk, Cream, Butter, and Cheese.
Claims use since Aug. 30, 1923.

Ser. No. 185,451. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MICHAEL T. L. EVANS, Trevilians, Va. Filed Sept. 7, 1923.



No claim made to the words "Green Spring Mineral Water" and "Trevilians, Virginia."
Particular description of goods.—Spring Water.
Claims use since July 21, 1923.

Ser. No. 185,496. (CLASS 39. CLOTHING.) REID AND FORT, INC., Philadelphia, Pa. Filed Sept. 7, 1923.

GLO WEAVE

Particular description of goods.—Men's Outer, Dress, and Negligee Shirts.
Claims use since Aug. 7, 1923.

Ser. No. 185,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREWS & PLEDGER, doing business as Gen O var Company, New York, N. Y. Filed Sept. 8, 1923.



No claim is made to the words "Trade Mark" apart from the mark shown on the drawing.
Particular description of goods.—Reducing Lotion.
Claims use since Aug. 6, 1923.

Ser. No. 185,577. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FREEMAN-DAUGHADAY CO., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I. Filed Sept. 10, 1923.

FELIX

Particular description of goods.—Collar Buttons Made of or Plated with Precious Metals.
Claims use since May 1, 1923.

Ser. No. 185,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST REGEZ & SONS, Blanchardville, Wis. Filed Sept. 10, 1923.

PECATONICA VALLEY

Particular description of goods.—Cheese.
Claims use since June, 1922.

Ser. No. 185,628. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD BRICK & TILE COMPANY, Portland, Oreg. Filed Sept. 10, 1923.

Sylvan

Particular description of goods.—Building Bricks Made of Burned Clay.
Claims use since June 1, 1912.

Ser. No. 185,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRUIT VALLEY CORPORATION, Rochester, N. Y. Filed Sept. 12, 1923.

PIE-ADE

Particular description of goods.—Compound for Making Puddings and Pies.
Claims use since Sept. 6, 1923.

Ser. No. 185,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RANSOM CHEMICAL COMPANY, Ensley, Birmingham, Ala. Filed Sept. 12, 1923.



The words "For the Feet" appearing on the drawing submitted for registration are admitted to be descriptive and are hereby disclaimed for registration.
Particular description of goods.—Proprietary Medicine for Diseased Feet. This Medicine is Used for the Purpose of Curing Sweat-Galled, Itching, Raw, Sore, and Burning Feet and is Applied by Bathing. The Medicine is a Disinfectant Curative Preparation Used for the Above Ailments.
Claims use since Sept. 1, 1922.

Ser. No. 185,742. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed Sept. 13, 1923.



THOR

Particular description of goods.—Leather and Cloth Combination Gloves and Mittens.
Claims use since Aug. 27, 1923.

Ser. No. 185,744. (CLASS 39. CLOTHING.) THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed Sept. 13, 1923.

BOSS

IRONSIDES

Particular description of goods.—Leather and Cloth Combination Gloves and Mittens.
Claims use since Aug. 27, 1923.

Ser. No. 185,758. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIPP KOENIG, Cuero, Tex. Filed Sept. 13, 1923.

WASHINGTON-GRAY GUARANTEED

SURE DEATH TO BOLL WEEVILS

PATENTED NOV 2 1921

PREPARED BY P. H. KOENIG CUERO, TEXAS.

No claim made to the phrases "Sure Death to Boll Weevils, Patented Nov. 2, 1921, Prepared by P. H. Koenig, Cuero, Texas; Trade-Mark Guaranteed" apart from the mark shown.
Particular description of goods.—Compound for Destroying Boll Weevils.
Claims use since August, 1923.

Ser. No. 185,776. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Sept. 13, 1923.



Particular description of goods.—Cotton Piece Goods—viz, Muslins, Cambrics, and Nainsooks.
Claims use since June 28, 1923.

Ser. No. 185,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM CHOPP, Bovey, Minn. Filed Sept. 14, 1923.

WM. CHOPP'S PILE SALVE



No claim is made for the words "Pile Salve". The portrait is that of the applicant.
Particular description of goods.—Preparation for Use in the Treatment of Piles.
Claims use since March, 1921.

Ser. No. 185,786. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LYNN S. LEE, doing business as Lynn Co., Denver, Colo. Filed Sept. 14, 1923.



No claim is made to the representation of the game appearing on the drawing apart from the mark shown. The trade-mark is printed in golden color. The English translation of the Chinese characters appearing on the drawing is "Lynn Co. Manufacturer."
Particular description of goods.—A Table Game Played with Pieces Similar to Dominoes, Racks for Retaining Said Pieces, Game Tables to be Used in Playing Said Game, and Scoring Devices to be Used in Scoring Said Game.
Claims use since July 2, 1923.

Ser. No. 185,793. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEWIS PENGILLY, Stockton, Calif. Filed Sept. 14, 1923.



Particular description of goods.—Cigarette and Cigar Lighters.
Claims use since May 1, 1923.

Ser. No. 185,824. (CLASS 39. CLOTHING.) L. GREIF & BRO. INCORPORATED, Baltimore, Md. Filed Sept. 15, 1923.

Coolspun

Particular description of goods.—Outer Clothing Embracing Suits, Overcoats, Coats, Vests, Trousers, Knickerbockers, and Pants.
Claims use since July 31, 1923.

Ser. No. 185,828. (CLASS 37. PAPER AND STATIONERY.) KANSAS CITY PAPER HOUSE, Kansas City, Mo. Filed Sept. 15, 1923.

BLUE JAY

Particular description of goods.—Printing and Writing Paper.
Claims use since Jan. 1, 1893.

Ser. No. 185,840. (CLASS 17. TOBACCO PRODUCTS.) D. RANGAVES & CO. INC., New York, N. Y. Filed Sept. 15, 1923.



Applicant disclaims the words "Celebrated Egyptian Cigarettes" shown upon the drawing.
Particular description of goods.—Cigars, Cigarettes, and Smoking Tobacco.
Claims use since June 4, 1923, in business of said corporation; since Jan. 2, 1923, in business of the incorporators.

Ser. No. 185,867. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GENERAL CHAIN CO., Providence, R. I. Filed Sept. 17, 1923.

"Babe O' Mine"

Particular description of goods.—Bracelets and Neck Chains.
Claims use since Aug. 23, 1923.

Ser. No. 185,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEXANDER M. ROVIN, Detroit, Mich. Filed Sept. 17, 1923.

GONO URETHRISIDE

Particular description of goods.—Nonirritating Urethral Injection Indicated in the Treatment of Morning Drop, Urethritis, Simple and Specific Cystitis, Prostatitis, Salpingitis, Vaginitis, and Leucorrhea.
Claims use since July 1, 1922.

Ser. No. 185,882. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TRAVIS, ROMAINE & JELLE, INC., New York, N. Y. Filed Sept. 17, 1923.

Crepe Mignon

Exclusive use of the word "Crepe" alone being disclaimed.

Particular description of goods.—Silk Piece Goods.
Claims use since Aug. 24, 1923.

Ser. No. 185,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES BUTLER, INC., New York, N. Y. Filed Sept. 6, 1923.



No claim is made to the word "Loaf" apart from the mark shown.

Particular description of goods.—Bread.
Claims use since Apr. 4, 1922.

Ser. No. 185,921. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MAX DREIWITZ, doing business as Ch. Dreiwitz's Son, New York, N. Y. Filed Sept. 19, 1923.



Particular description of goods.—Lamb Skins.
Claims use since July 10, 1923.

Ser. No. 185,923. (CLASS 39. CLOTHING.) FRANKEL BROS., New York, N. Y. Filed Sept. 19, 1923.



Particular description of goods.—Topcoats, Overcoats, Coats, Vests, Trousers, and Knickerbockers for Men and Young Men.
Claims use since about July 1, 1923.

Ser. No. 185,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OLIVE A. VAN HORN, doing business as Vel-O-Rose Chemical Company, New York, N. Y. Filed Sept. 19, 1923.

Vel-o-Rose

Particular description of goods.—Cosmetic—Namely, Liquid Cold Cream.
Claims use since June 1, 1922.

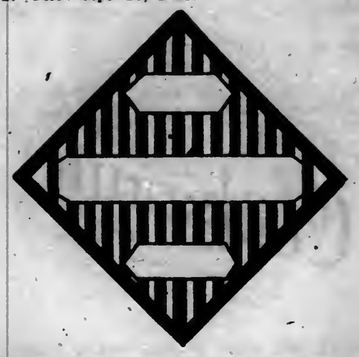
Ser. No. 185,950. (CLASS 39. CLOTHING.) BELL MANUFACTURING COMPANY, San Antonio, Tex. Filed Sept. 20, 1923.



The word "Brand" is hereby disclaimed from the application as well as from the mark shown on the drawing.

Particular description of goods.—Ladies' House Dresses, Ladies' Street Dresses, Ladies' Porch Dresses, Children's Dresses, Infants' Dresses, Middy Blouses, Rompers, Aprons, Bungalow Aprons, Dressing Sacks, Bath Robes, Robes, Kimonos, Knickerbockers, Pettibockers.
Claims use since Aug. 12, 1919.

Ser. No. 185,973. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEO. S. LEINER & CO., New York, N. Y. Filed Sept. 20, 1923.



Particular description of goods.—Brushes—Namely, Automobile Brushes, Bottle Brushes, Bath Brushes, Bathtub Brushes, Closet-Bowl Brushes, Ceiling Brushes, Clothes Brushes, Cuspidor Brushes, Complexion Brushes, Crumb Brushes, Floor Brushes, Glass Brushes, Hairbrushes, Hand Brushes, Kitchen Brushes, Manicure Brushes, Nail Brushes, Pastry Brushes, Percolator Brushes, Radiator Brushes, Refrigerator Brushes, Sink Brushes, Shampoo Brushes, Upholstery Brushes, Yarn Brushes or Mops, Yarn Hand Dusters or Brushes.
Claims use since August, 1920.

Ser. No. 185,995. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Sept. 20, 1923.



No claim is made to the representation of the playing card apart from the mark shown. The mark consists of a rectangular field arbitrarily placed in the center of the face side of the playing cards, upon which field are the designating faces and index spots. The drawing is lined to indicate shading, not to indicate any particular color.

Particular description of goods.—Playing Cards.
Claims use since about Apr. 27, 1895.

Ser. No. 186,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCHIE H. BECHTOL, doing business as Southern Confection Company, Memphis, Tenn. Filed Sept. 21, 1923.



The lines shown in the drawing are for the purpose of shading. In practice applicant utilizes a rectangular frame of blue color and letters of any contrasting color, such as red or brown, each letter being outlined in the same color as the border.

Particular description of goods.—Candy Confections.
Claims use since March, 1923.

Ser. No. 186,001. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCHIE H. BECHTOL, doing business as Southern Confection Company, Memphis, Tenn. Filed Sept. 21, 1923.



No claim is made to the word "Mint."

Particular description of goods.—Candy Confections.
Claims use since June, 1923.

Ser. No. 186,006. (CLASS 39. CLOTHING.) FARR COMPANY, INC., New York, N. Y. Filed Sept. 21, 1923.

FARRCRAFT

Particular description of goods.—Women's Apparel—Namely, Coats, Suits, Capes, Sweaters, Skirts, Blouses, Dresses, and Hats.
Claims use since Sept. 14, 1923.

Ser. No. 186,008. (CLASS 39. CLOTHING.) FRUHAUF BROS. & CO., New York, N. Y. Filed Sept. 21, 1923.

"Weatherton"

The drawing consists of the word "Weatherton."

Particular description of goods.—Men's and Young Men's Overcoats and Suits in One, Two, and Three Piece Garments.
Claims use since Feb. 19, 1923.

Ser. No. 186,011. (CLASS 32. FURNITURE AND UPHOLSTERY.) HANNAHS MANUFACTURING COMPANY, Kenosha, Wis. Filed Sept. 21, 1923.



The words "Quality" and "Furniture" appearing in the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Furniture—Namely, Living-Room Tables, Davenport End Tables, Wall Tables, Center Tables, Gate-Leg Tables, Desks, Writing Tables, Telephone Stands and Stools, Pedestals, Radio Tables, Davenport Tables, Console Tables, Library Tables, Parlor Tables, Bedroom Tables, Fireside Benches, Drop-Leaf Tables, and Taborets.
Claims use since June 19, 1923.

Ser. No. 186,017. (CLASS 39. CLOTHING.) LITTLE-DARLING HAT CO., New York, N. Y. Filed Sept. 21, 1923.



The portrait which is a feature of the mark is merely a fanciful picture.

Particular description of goods.—Children's Hats.

Claims use since June 11, 1923.

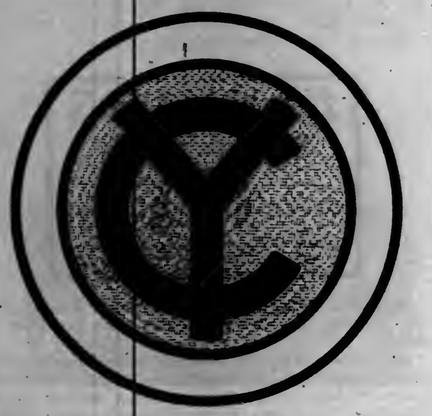
Ser. No. 186,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLYMOUTH CANNING CO., Plymouth, Wis. Filed Sept. 21, 1923.

MEL-O

Particular description of goods.—Shelled Cooked Canned Peas.

Claims use since July 20, 1923.

Ser. No. 186,038. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) YELLOW CAB MANUFACTURING CO., Chicago, Ill. Filed Sept. 21, 1923.



The monogram is black on a yellow field.

Particular description of goods.—Motor-Driven Passenger Vehicles—Namely, Automobile Omnibuses.

Claims use since July 18, 1923.

Ser. No. 186,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. HERRIN, doing business as Vio-Glen Chemical Company, Kansas City, Mo. Filed Sept. 22, 1923.

VIO-GLEN

Particular description of goods.—Mouth Washes and Tooth Pastes.

Claims use since July 26, 1923.

Ser. No. 186,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Filed Sept. 24, 1923.

BAIN de CHAMPAGNE

Particular description of goods.—Toilet Waters, Pastes, and Powders for Bathing, Beautifying, and Preserving the Skin, Teeth, and Hair, and Perfumery.

Claims use since on or about Aug. 1, 1923.

Ser. No. 186,124. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PERCIVAL ALBION GARRETT, Goodmayes, England. Filed Sept. 24, 1923.

FONTAGENE

Particular description of goods.—Apparatus for Aerating, Carbonating, or Gasifying Liquids and the Like.

Claims use since Nov. 22, 1922.

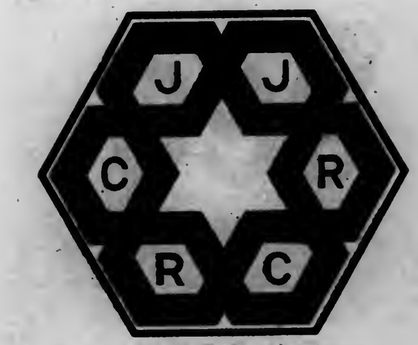
Ser. No. 186,136. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LABORATORY OF RESEARCH CHEMOTHERAPY, Philadelphia, Pa. Filed Sept. 24, 1923.

ARKASE

Particular description of goods.—Prophylactic and General Local Antiseptics.

Claims use since Oct. 26, 1922.

Ser. No. 186,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LABORATORY OF RESEARCH CHEMOTHERAPY, Philadelphia, Pa. Filed Sept. 24, 1923.



Particular description of goods.—Antiseptics.

Claims use since Oct. 26, 1922.

Ser. No. 186,149. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERCY E. PAGE, New York, N. Y. Filed Sept. 24, 1923.

FLORAL

DREAM

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oil, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Sept. 14, 1923.

Ser. No. 186,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVALYN CURRY PARKER, doing business as Curry Manufacturing Company, Albany, N. Y. Filed Sept. 24, 1923.



Particular description of goods.—Deodorant Toilet Powders.

Claims use since Aug. 5, 1921.

Ser. No. 186,172. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FREDERICK WEINHEIMER, Buffalo, N. Y. Filed Sept. 24, 1923.

Broider-Craft

Particular description of goods.—Package Outfits Containing Materials to be Embroidered and the Necessary Amount of Embroidery Silk or Cotton to Embroider the Same In.

Claims use since Aug. 25, 1923.

Ser. No. 186,175. (CLASS 39. CLOTHING.) BLUE-RIBBON KNITTING MILLS, INC., Waltham, Mass. Filed Sept. 25, 1923.

Blue Ribbon 100% WORSTED

Applicant disclaims the words "100% Worsted" aside from their use on the mark as shown.

Particular description of goods.—Knitted Outerwear, Such as Knitted Bathing Suits, Sweaters, Sweater Jackets, and Sweater Blouses.

Claims use since Apr. 7, 1922.

Ser. No. 186,195. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL MACARONI COMPANY, Dallas, Tex. Filed Sept. 25, 1923.

NATIONAL'S BEST

The word "Best" is disclaimed apart from the remainder of the trade-mark shown in the drawing.

Particular description of goods.—Macaroni, Spaghetti, Vermicelli, Ready-Cut Macaroni and Spaghetti, Stars, and Noodles.

Claims use since August, 1916.

Ser. No. 186,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALDEN PRODUCTS CO., Seagirt, N. J. Filed Sept. 26, 1923.

Puritan

Particular description of goods.—Mayonnaise Dressing.

Claims use since Sept. 18, 1923.

Ser. No. 186,219. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES H. CRENSHAW, Columbus, Ohio. Filed Sept. 26, 1923.



The portrait shown is that of applicant.
Particular description of goods.—Medicine for the Treatment of Venereal Diseases.
Claims use since August, 1923.

Ser. No. 186,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAR A. FANNING, Streator, Ill. Filed Sept. 26, 1923.

FANNING'S
BREAD AND BUTTER
PICKLES

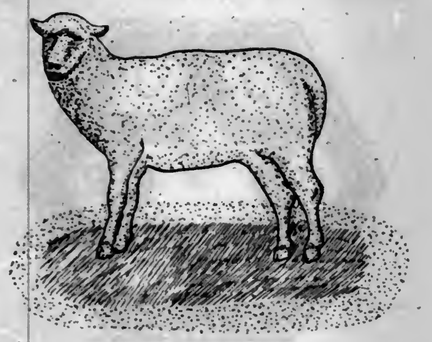
No claim is made to the word "Pickles" apart from the mark shown in the drawing.
Particular description of goods.—Pickles.
Claims use since Sept. 1, 1922.

Ser. No. 186,248. (CLASS 39. CLOTHING.) ISIDORE J. RUBIN, doing business as I. J. Rubin & Co., New York, N. Y. Filed Sept. 26, 1923.

Rubindia

Particular description of goods.—Women's, Misses', and Children's Coats, Suits, Wraps, Capes, Coats, Skirts, Dresses, Waists, Jackets, and Knickerbockers.
Claims use since Sept. 19, 1923.

Ser. No. 186,267. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BAUMAN-MASSA JEWELRY CO., St. Louis, Mo. Filed Sept. 27, 1923.



BO-PEEP

Particular description of goods.—Children's Jewelry—Namely, Finger Rings, Bracelets, Brooches, Lingerie and Beauty Pins, and Necklaces.
Claims use since Feb. 1, 1923.

Ser. No. 186,280. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANZ K. KRAG, Chicago, Ill. Filed Sept. 27, 1923.

K-N

Particular description of goods.—Metal-Drilling Machines.
Claims use since Dec. 9, 1921.

Ser. No. 186,286. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NATIONAL PACKAGE PRODUCTS COMPANY, Anderson, Ind. Filed Sept. 27, 1923.

KAY DEE

Particular description of goods—Knockdown Toy Vehicles.
Claims use since November, 1919.

Ser. No. 186,287. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE F. A. NEIDER CO., Augusta, Ky. Filed Sept. 27, 1923.

ECONOMY

Particular description of goods.—Nails.
Claims use since 1909.

Ser. No. 186,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALONZO S. REESE, doing business as Combination Remedy Company, Pittsburgh, Pa. Filed Sept. 27, 1923.

999

Particular description of goods.—Medicine for Nervous Disorders, Medicines for Venereal Diseases, Consisting of Capsules to be Taken Internally, and a Wash and an Injection, and a Medicine to be Applied Externally in Tube Form for the Prevention of Venereal Disease.
Claims use since 1913.

Ser. No. 186,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOBINE KLEVEN, doing business as Mrs. K. Kleven, Minneapolis, Minn. Filed Sept. 28, 1923.

MOTHER EARTH

Particular description of goods.—Healing Salve.
Claims use since Oct. 10, 1921.

Ser. No. 186,352. (CLASS 39. CLOTHING.) CARTER DRY GOODS CO., INC., Louisville, Ky. Filed Sept. 29, 1923.

THREE RIVERS

Particular description of goods.—Ladies', Men's, and Children's Underwear of Knitted and Textile Fabric.
Claims use since Aug. 30, 1923.

Ser. No. 186,353. (CLASS 39. CLOTHING.) CARTER DRY GOODS CO., INC., Louisville, Ky. Filed Sept. 29, 1923.

THREE FEATHERS

Particular description of goods.—Ladies', Men's, and Children's Underwear of Knitted and Textile Fabric.
Claims use since Aug. 30, 1923.

Ser. No. 186,365. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ARTHUR A. GUENTHER, doing business as Admiral Tire & Rubber Company, St. Louis, Mo. Filed Sept. 29, 1923.

ADMIRAL
ADMIRAL TIRE & RUBBER CO.
SAINT LOUIS, U.S.A.

No claim is made to the words "St. Louis, U. S. A." appearing in the drawing.
Particular description of goods.—Automobile Tires Made of Rubber and of Rubber and Cotton Fabric, and Automobile Inner Tubes Made of Rubber.
Claims use since Dec. 9, 1922.

Ser. No. 186,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. BLACK & WHITE MILLING COMPANY, East St. Louis, Ill. Filed Oct. 1, 1923.

BLACK & WHITE

Particular description of goods.—Corn Meal, Grits, and Corn Flour, Including All Grades of Each of Said Products.
Claims use since June 1, 1921.

Ser. No. 186,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CANUTE CO., Milwaukee, Wis. Filed Oct. 1, 1923.

CANUTE WATER FOR GRAY HAIR



No claim is made for the words "For Gray Hair" apart from the mark as shown in the drawings, no common-law rights, however, being waived.
Particular description of goods.—Hair Dye.
Claims use since May 1, 1914.

Ser. No. 186,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN HABHEGGER CO., Watertown, Wis. Filed Oct. 1, 1923.

SWEET AUBURN

Particular description of goods.—Butter.
Claims use since Sept. 25, 1923.

Ser. No. 186,442. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed Oct. 1, 1923.

LE JADE

Particular description of goods.—Soaps—Namely, Soaps in Cake Form, Soap Pastes, and Soap Powders.
Claims use since February, 1923.

Ser. No. 186,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TARQUIN MANUFACTURING CO., Washington, D. C. Filed Oct. 1, 1923.



Particular description of goods.—Ointment for the Hair.
Claims use since Mar. 1, 1923.

Ser. No. 186,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WANDER COMPANY, Chicago, Ill. Filed Oct. 1, 1923.

ALUCOL

Particular description of goods.—Colloidal Hydroxide of Aluminum, a Preparation Used in the Treatment of Gastric Hyperacidity.
Claims use since May 1, 1923.

Ser. No. 186,482. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y. Filed Oct. 2, 1923.

"A MIGEL SILK"
"VELVA-BROCHE"

Exclusive right to the use of the words "Silk" and "Broche" is disclaimed apart from the mark shown.
Particular description of goods.—Silk Piece Goods.
Claims use since April, 1923.

Ser. No. 186,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARCANGELO M. J. TUMINELLI, doing business as Artum Chemical Manufacturing Company, Baltimore, Md. Filed Oct. 2, 1923.



No claim is made for the words "Blood Tonic" apart from the mark shown in the drawing.
Particular description of goods.—Blood Tonic and Purifier.
Claims use since on or about Sept. 1, 1922.

Ser. No. 186,535. (CLASS 15. OILS AND GREASES.) O. F. ZURN COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 3, 1923. Under ten-year proviso.

ZURNOIL

Particular description of goods.—Lubricating Oils for Automobile and Other Internal-Combustion Engines.
Claims use since January, 1895.

Ser. No. 186,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Oct. 4, 1923.

SENO-MINT

Particular description of goods.—Seno-Mint (a Laxative.)
Claims use since Sept. 28, 1923.

Ser. No. 186,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST GALIARDO, doing business as Galiardo Co., New York, N. Y. Filed Oct. 4, 1923.

RE-DU-CRE

Particular description of goods.—Reducing Cream.
Claims use since Aug. 1, 1923.

Ser. No. 186,550. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIBSON-HOWELL COMPANY, Jersey City, N. J. Filed Oct. 4, 1923.

NEU-ARB

Particular description of goods.—Medicinal Tablets for the Treatment of Disorders of the Stomach and as an Aid to Digestion.
Claims use since Jan. 15, 1923.

Ser. No. 186,560. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARKER CHEMICAL COMPANY, Fairmont, W. Va. Filed Oct. 4, 1923.

4's "It"

Particular description of goods.—A Preparation for Removing Stains from and Otherwise Cleansing the Teeth.
Claims use since Mar. 17, 1923.

Ser. No. 186,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. MECKY COMPANY, Philadelphia, Pa. Filed Oct. 5, 1923.



Particular description of goods.—Electric Soldering Irons.
Claims use since about Mar. 1, 1923.

Ser. No. 186,631. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CRANDALL PACKING COMPANY, Palmyra, N. Y. Filed Oct. 6, 1923.

HELIOS

Particular description of goods.—Steam, Water, Gas, Air, and Ammonia Packing.
Claims use since 1908.

Ser. No. 186,634. (CLASS 25. LOCKS AND SAFES.) THE ENGLISH & MERSICK CO., New Haven, Conn. Filed Oct. 6, 1923.

E&M

Particular description of goods.—Vehicle Door Locks, Vehicle Door Latches.
Claims use since 1918.

Ser. No. 186,635. (CLASS 39. CLOTHING.) FRACKVILLE MANUFACTURING COMPANY, New York, N. Y. Filed Oct. 6, 1923.

BLUE BIRD

Particular description of goods.—Men's Nightshirts, Bath Robes, Pyjamas, and Undergarments of Knitted and Textile Fabrics.
Claims use since July 1, 1921.

Ser. No. 186,651. (CLASS 39. CLOTHING.) LLAMA KNITTING CO., New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Sweaters, Caps, Bootees, Leggings, Capes, and Mufflers.
Claims use since about Feb. 14, 1923.

Ser. No. 186,671. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RAMSEY ACCESSORIES MANUFACTURING CORPORATION, St. Louis, Mo. Filed Oct. 6, 1923.



No claim is made to the representation of a ring apart from the mark as shown in the drawing, applicant reserving, however, its common-law rights thereto.
Particular description of goods.—Resilient Inner Rings Arranged to Fit Under the Regular Piston Rings.
Claims use since June 15, 1923.

Ser. No. 186,724. (CLASS 39. CLOTHING.) HARRY SCHILLER, doing business as Schiller Bros., New York, N. Y. Filed Oct. 8, 1923.



Trade-Mark "Wildflower."
Particular description of goods.—Ladies' Gowns, Chemise, Drawers, Corset Covers, Bloomers, Pyjamas, Princess Slips, and Petticoats Made of Textile Fabric Consisting of Cotton, Nainsook, or Muslin-Finished Cloth.
Claims use since Aug. 28, 1923.

Ser. No. 186,730. (CLASS 37. PAPER AND STATIONERY.) VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Filed Oct. 8, 1923.



Particular description of goods.—Writing Tablets, Writing Paper, Envelopes, Rubber Bands, Rubber Erasers, Box Paper, Pound Paper, and Correspondence Cards.
Claims use since Aug. 9, 1923.

Ser. No. 186,754. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES F. WHITE & CO. INC., New York, N. Y. Filed Oct. 9, 1923.

GRANITEX

Particular description of goods.—Jute Piece Goods.
Claims use since about Oct. 2, 1923.

Ser. No. 186,758. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Oct. 9, 1923.

"Sophomore"

Particular description of goods.—Girls' Apparel, More Particularly Dresses, Coats, Skirts, Blouses, Hats, and Leather Footwear.
Claims use since Aug. 15, 1923.

Ser. No. 186,760. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOUTHWEST ONYX & MARBLE COMPANY, San Diego, Calif. Filed Oct. 9, 1923.

PEDRARA

Particular description of goods.—Balls for the Handles of Automobile Gear-Shift Levers.
Claims use since Jan. 1, 1923.

Ser. No. 186,762. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIVINGSTON A. THOMPSON, doing business as Aunt Joy's Company, Waukesha, Wis. Filed Oct. 9, 1923.

AUNT JOY'S

Particular description of goods.—Coffee Substitute.
Claims use since Oct. 1, 1923.

Ser. No. 186,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VEGETABLE OIL PRODUCTS COMPANY, Philadelphia, Pa. Filed Oct. 9, 1923.



Particular description of goods.—Vegetable Oils for Food Purposes.
Claims use since September, 1923.

Ser. No. 186,784. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GLIDDEN NUT BUTTER COMPANY, Chicago, Ill. Filed Oct. 10, 1923.

SQUARE DEAL

Particular description of goods.—Nut Margarine (Oleomargarine).
Claims use since Aug. 28, 1922.

Ser. No. 186,794. (CLASS 39. CLOTHING.) LACK & SAMUELS, INC., New York, N. Y. Filed Oct. 10, 1923.

LACKMAID

Particular description of goods.—Women's and Misses' Dresses, Waists, and Blouses and Cotton and Silk Underwear of Textile Fabric, and Sleeping Garments for Men, Women, and Children.
Claims use since Aug. 1, 1923.

Ser. No. 186,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Oct. 10, 1923.

MELL-O-MILK

Particular description of goods.—Bread.
Claims use since Sept. 29, 1923.

Ser. No. 186,827. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio. Filed Oct. 11, 1923.

SENTINEL

Particular description of goods.—Inner Tubes, Pneumatic Tires, Cord Tires, and Fabric Tires.
Claims use since May 28, 1923.

Ser. No. 186,893. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 12, 1923.

Gloriella

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 1, 1923.

Ser. No. 186,894. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 12, 1923.

Curleen

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 1, 1923.

Ser. No. 186,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCURICH & JERINICH, Watsonville, Calif. Filed Oct. 12, 1923.



Particular description of goods.—Fresh Apples.
Claims use since January, 1910.

Ser. No. 186,937. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUNSET CLUB BOTTLING CO., Sherman, Calif. Filed Oct. 12, 1923.



Particular description of goods.—Maltless Carbonated Beverages.
Claims use since September, 1921.

Ser. No. 186,948. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DALLMANN MACHINE & MFG. CO., Milwaukee, Wis. Filed Oct. 13, 1923.

SMITH UNIT PULLEY-CLUTCH for Fordsons

The expression "Pulley-Clutch for Fordsons" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Gears.
Claims use since Aug. 15, 1922.

Ser. No. 186,986. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ISADORE DUBERSTEIN, Los Angeles, Calif. Filed Oct. 15, 1923.

DUBE NON-SLIP

No claim is made to the words "Non-Slip" apart from the mark as shown in the accompanying drawing.
Particular description of goods.—Garment Hangers.
Claims use since Sept. 5, 1922.

Ser. No. 186,994. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) L. HELLER & SON, INC., New York, N. Y. Filed Oct. 15, 1923.

Deltah

Particular description of goods.—Packaged Combination of Restringing Silk with Jeweler's Threading Needle.
Claims use since about June, 1923.

Ser. No. 186,998. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 15, 1923.

IDEAL

Particular description of goods.—Sprayers and Parts Thereof.
Claims use since on or about Feb. 1, 1913.

Ser. No. 187,062. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LA VIE PEARL COMPANY, New York, N. Y. Filed Oct. 16, 1923.

La Vie Pearls

No claim is made to the word "Pearls" in the above matter apart from the mark shown in the drawing.
Particular description of goods.—Pearls.
Claims use since Aug. 28, 1922.

Ser. No. 187,068. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) P & M PRODUCTS COMPANY, Oakland, Calif. Filed Oct. 16, 1923.

P&M

Particular description of goods.—Cleansing Powder.
Claims use since July 6, 1923.

Ser. No. 187,080. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OTTO C. BECKER, doing business as The Caribeck Manufacturing Company, Baltimore, Md. Filed Oct. 17, 1923.

LUSTER LAK
LONG LIFE

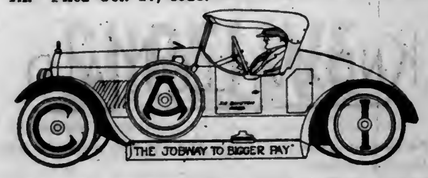
Particular description of goods.—Stove Polish and Stove Enamel.
Claims use since Aug. 14, 1923.

Ser. No. 187,081. (CLASS 39. CLOTHING.) THE BEDELL COMPANY, New York, N. Y. Filed Oct. 17, 1923.

POWDER PUFF
Bedell

Particular description of goods.—Hosiery.
Claims use since about Sept. 1, 1923.

Ser. No. 187,087. (CLASS 38. PRINTS AND PUBLICATIONS.) CHICAGO AUTOMOTIVE INSTITUTE, Chicago, Ill. Filed Oct. 17, 1923.



Particular description of goods.—Printed Lessons for Instruction of Automobile Mechanics, Job Tickets, and Lectures.
Claims use since Nov. 1, 1922.

Ser. No. 187,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Loveland Flour Mills, Loveland, Colo. Filed Oct. 17, 1923.

SILVER DOLLAR

Particular description of goods.—Wheat Flour.
Claims use since August, 1892.

Ser. No. 187,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KUENZEL MILLS COMPANY, New Bremen, Ohio. Filed Oct. 17, 1923.

GOLD LACE

Particular description of goods.—Wheat Flour.
Claims use since 1887.

Ser. No. 187,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONETT MILL & ELEVATOR COMPANY, Monett, Mo. Filed Oct. 17, 1923.



Particular description of goods.—Wheat Flour.
Claims use since June 28, 1923.

Ser. No. 187,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUISENBERRY FEED MF'G. CO., Kansas City, Mo. Filed Oct. 17, 1923.

QUISENBERRY BIG 4

Particular description of goods.—Feeds and Feedstuffs.
Claims use since October, 1921.

Ser. No. 187,128. (CLASS 39. CLOTHING.) THE REINS & MEISS COMPANY, Cincinnati, Ohio. Filed Oct. 17, 1923.

DIXIE ROSE

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Sept. 15, 1923.

Ser. No. 187,193. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. H. BARTON AND SON CO. INC., Philadelphia, Pa. Filed Oct. 19, 1923.

WETRUB.

Particular description of goods.—Single-Face Garnet Polishing Paper, Double-Face Garnet Polishing Paper, Nofil Garnet Polishing Paper, Garnet Paper, Nofil Garnet Paper, Nofil Garnet Cloth, Silicon Carbide Paper, Obrac Paper, Flint French Emery Paper, Emery Cloth, and Electric Abrasive Cloth.
Claims use since about June 1, 1923.

Ser. No. 187,204. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILLIAM J. COLBERT, doing business as The Tite-Lock Harness Hook Co., Fall River, Mass. Filed Oct. 19, 1923.

TITE-LOCK

The mark consists of the word "Tite-Lock."
Particular description of goods.—Locking Screw Hooks for Use on Heddles, Loom Harnesses, and Otherwise.
Claims use since Sept. 14, 1923.

Ser. No. 187,224. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Oct. 19, 1923.

AVONDALE



The portrait in the drawing represents the celebrated writer William Shakespeare.
Particular description of goods.—Wall-Paper Cleaner.
Claims use since 1885.

Ser. No. 187,238. (CLASS 37. PAPER AND STATIONERY.) WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn. Filed Oct. 19, 1923.

UNIVERSITY

Particular description of goods.—Writing Paper and Wrapping Paper.
Claims use since Jan. 1, 1900.

Ser. No. 187,249. (CLASS 39. CLOTHING.) MORRIS COHEN, New Haven, Conn. Filed Oct. 20, 1923.

Edinburgh Castle

Particular description of goods.—Sweater Coats, Bathing Suits, and Scarfs.
Claims use since Apr. 1, 1923.

Ser. No. 187,279. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN ENGINEERING COMPANY, Philadelphia, Pa. Filed Oct. 22, 1923.

IO-HED

Particular description of goods.—Hoists.
Claims use since about Dec. 22, 1922.

Ser. No. 187,282. (CLASS 39. CLOTHING.) E. D. ATTIX, doing business as Attix Hosiery Mills, Knoxville, Tenn. Filed Oct. 22, 1923.

KNOXVILLE MAID

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since October, 1921.

Ser. No. 187,285. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Oct. 22, 1923.

INDUSTRY BOND

No claim is made to the exclusive use of the word "Bond" apart from the mark shown in the drawing.
Particular description of goods.—Bond Paper.
Claims use since January, 1912.

Ser. No. 187,290. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Oct. 22, 1923.

MESSENGER BOND

No claim is made to the word "Bond" apart from the mark shown in the drawings.
Particular description of goods.—Bond Paper.
Claims use since 1903.

Ser. No. 187,308. (CLASS 17. TOBACCO PRODUCTS.) GENERAL TOBACCO COMPANY, Louisville, Ky., and Chicago, Ill. Filed Oct. 22, 1923.

MAH JONGG

Consisting in the words "Mah Jongg," which in the English language denotes sparrow or bird of wisdom.
Particular description of goods.—Cigarettes, Cigars, and Smoking Tobacco.
Claims use since Oct. 1, 1923.

Ser. No. 187,314. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE INTERNATIONAL STAMPING CO., Chicago, Ill. Filed Oct. 22, 1923.

2-R-3

Particular description of goods.—Tire Carriers.
Claims use since 1917.

Ser. No. 187,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Oct. 23, 1923.

SURELIVE

Particular description of goods.—Baby-Chick Feed.
Claims use since May 23, 1923.

Ser. No. 187,411. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FREDERICK L. EMMERT, doing business as F. L. Emmert & Co., Cincinnati, Ohio. Filed Oct. 24, 1923.

POMOLLIS

Particular description of goods.—Liquid Soap.
Claims use since Oct. 15, 1923.

Ser. No. 187,425, (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LAZY SUE HANGER COMPANY, Washington, D. C. Filed Oct. 24, 1923.

LAZY SUE

Particular description of goods.—Devices Designed to Be Slipped on the Ends of Garment Hangers to Engage the Neck Portions of Garments and to Prevent Garments on the Hangers from Slipping in Either Direction.
Claims use since Sept. 22, 1923.

Ser. No. 187,451. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. H. BARTON & SON CO., INC., Philadelphia, Pa. Filed Oct. 25, 1923. Under ten-year proviso.

BEST AMERICAN

Particular description of goods.—Abrasive Paper and Cloth.
Claims use since about Jan. 1, 1883.

Ser. No. 187,468. (CLASS 39. CLOTHING.) LA MODE GARMENT CO., INC., Chicago, Ill. Filed Oct. 25, 1923.

Kickaway

Particular description of goods.—Ladies' and Children's Wearing Apparel Being That of Underwear—Namely, That of Bloomers, Step-Ins, Vests, Pyjamas, Gowns, Petticoats—and Ladies' Athletic and Novelty Garments of Textile Fabric.
Claims use since Mar. 1, 1923.

Ser. No. 187,475. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) NATIONAL FOOD PRODUCTS CORPORATION, INC., Los Angeles, Calif. Filed Oct. 25, 1923.

ORO

Particular description of goods.—Maltless-Soft-Drink Powder.
Claims use since Feb. 20, 1923.

Ser. No. 187,486. (CLASS 39. CLOTHING.) ROBERTS-FRANK & CO., INC., Chicago, Ill. Filed Oct. 25, 1923.

PRINCESS RADIUM

Particular description of goods.—Ladies' and Children's Wearing Apparel, Being That of Underwear—Namely, Bloomers, Step-Ins, Vests, Pyjamas, Gowns, Petticoats—and Ladies' Athletic and Novelty Undergarments of Textile Fabric.
Claims use since Mar. 1, 1923.

Ser. No. 187,492. (CLASS 17. TOBACCO PRODUCTS.) RUDOLPH SCHWARTZ, San Francisco, Calif. Filed Oct. 25, 1923.

RUDERO

Particular description of goods.—Cigars.
Claims use since Jan. 19, 1923.

Ser. No. 187,534. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PREMIER ELECTRIC COMPANY, Chicago, Ill. Filed Oct. 26, 1923.

MICROSTAT

Particular description of goods.—Rheostats.
Claims use since June, 1923.

Ser. No. 187,577. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Oct. 27, 1923.

Regina

Particular description of goods.—Hairpins.
Claims use since Oct. 17, 1923.

Ser. No. 187,580. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Oct. 27, 1923.

FashionQuality

Particular description of goods.—Hand Sewing Needles.
Claims use since Oct. 17, 1923.

Ser. No. 187,591. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Oct. 27, 1923.

Cordona

The mark consists of the word "Cordona."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats.
Claims use since June 6, 1923.

Ser. No. 187,593. (CLASS 39. CLOTHING.) BENJAMIN H. TRINKEL, Providence, R. I. Filed Oct. 27, 1923.

TWO-IN-ONE SLEEPING SUITS

No claim is made to the words "Sleeping Suits" apart from the mark as shown in the drawing.
Particular description of goods.—Sleeping Suits.
Claims use since Oct. 1, 1923.

Ser. No. 187,619. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MRS. MAGGIE FRIZELL, Sweet Springs, Mo. Filed Oct. 29, 1923.



Trade-mark consisting of a portrait of myself.
Particular description of goods.—Stove Polish and Shoe Polish.
Claims use since May 1, 1923.

Ser. No. 187,655. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM D. ADAMS, Gadsden, Ala. Filed Oct. 30, 1923.

Pep-Tis

Particular description of goods.—Nonalcoholic Maltless Beverage.
Claims use since Nov. 11, 1922.

Ser. No. 187,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS BERKOWITZ, doing business as Russian Cream Candy Mfg. Co., New York, N. Y. Filed Oct. 30, 1923.

M.  B.

Particular description of goods.—Candy.
Claims use since Oct. 25, 1923.

Ser. No. 187,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DERN FOOD COMPANY, Colorado Springs, Colo. Filed Oct. 30, 1923.

Tenmor

Particular description of goods.—Coffee.
Claims use since May 1, 1923.

Ser. No. 187,685. (CLASS 39. CLOTHING.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Oct. 30, 1923.

THE BROOKLEIGH

Particular description of goods.—Men's Outer Dress and Negligee Shirts of Silk, Linen, Cotton, Mixtures of Silk and Linen and Silk and Cotton.
Claims use since Oct. 12, 1923.

Ser. No. 187,689. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Oct. 30, 1923.

ZEPHYRLITE

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Oct. 12, 1923.

Ser. No. 187,690. (CLASS 4. ABRASIVE DETERGENT, AND POLISHING MATERIALS.) WILLIARD S. MONTGOMERY, Brooklyn, N. Y. Filed Oct. 30, 1923.

BLACK CHIEF



Particular description of goods.—Stove Polish.
Claims use since Sept. 19, 1923.

Ser. No. 187,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD VIRGINIA PEANUT BRITTLE CO., Richmond, Va. Filed Oct. 30, 1923.



Particular description of goods.—Peanut Brittle.
Claims use since Mar. 15, 1923.

Ser. No. 187,698. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. G. SHAW, doing business as J. G. Shaw Company, San Jose, Calif. Filed Oct. 30, 1923.

SUNNY JIM

Particular description of goods.—Dried Fruit.
Claims use since July 18, 1922.

Ser. No. 187,711. (CLASS 37. PAPER AND STATIONERY.) CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass. Filed Oct. 31, 1923.

INTERWOVEN

Particular description of goods.—Book Paper.
Claims use since Jan. 31, 1923.

Ser. No. 187,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATE PRODUCTS COMPANY, Wilmington, Del., and Baltimore, Md. Filed Oct. 31, 1923.

Edgemonte

Particular description of goods.—Candy.
Claims use since June 20, 1921.

Ser. No. 187,762. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NEW ENGLAND MILLS COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

Nemco

Particular description of goods.—Headlights and Auto Lamps.
Claims use since January, 1918.

Ser. No. 187,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

PRIDE OF THE WEST

Particular description of goods.—Baking Powder.
Claims use since about 1903.

Ser. No. 187,782. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUNBEAM WATER COMPANY, Philadelphia, Pa. Filed Oct. 31, 1923.

Golden Bead

Particular description of goods.—Ginger Ale.
Claims use since May, 1914.

Ser. No. 187,783. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUNBEAM WATER COMPANY, Philadelphia, Pa. Filed Oct. 31, 1923.

Sunbeam

Particular description of goods.—Distilled, Carbonated, and Lithiated Waters, Ginger Ale, Root Beer, and Sarsaparilla.
Claims use since April, 1909, on distilled water; since May, 1914, on other merchandise named.

Ser. No. 187,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAFALINE LABORATORIES, INC., Manchester, N. H. Filed Nov. 1, 1923.

BAFALINE

Particular description of goods.—Lotion for Mouth and Throat.
Claims use since Feb. 8, 1923.

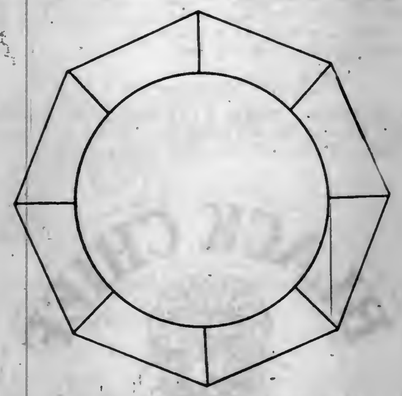
Ser. No. 187,793. (CLASS 39. CLOTHING.) CAMERON AND COMPANY, INC., Napa, Calif. Filed Nov. 1, 1923.

CAMERON

"LON-DRESS"

Particular description of goods.—Aprons, Bungalow Style.
Claims use since Feb. 19, 1922.

Ser. No. 187,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif. Filed Nov. 1, 1923.



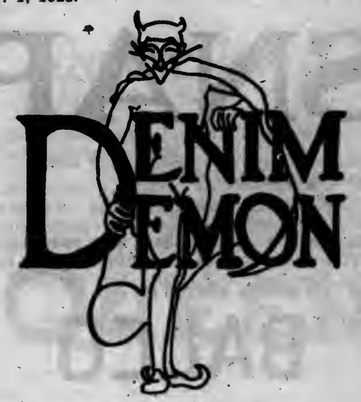
Particular description of goods.—Fresh Apples.
Claims use since July 21, 1923.

Ser. No. 187,824. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PAUL LAJUDIE, Paris, France. Filed Nov. 1, 1923.

AMIRAL

Particular description of goods.—Reducing Soap.
Claims use since Aug. 27, 1896.

Ser. No. 187,827. (CLASS 39. CLOTHING.) LINDEKE, WARNER & SONS, INCORPORATED, St. Paul, Minn. Filed Nov. 1, 1923.



Particular description of goods.—Overalls.
Claims use since Aug. 15, 1923.

Ser. No. 187,835. (CLASS 37. PAPER AND STATIONERY.) NEENAH PAPER CO., Neenah, Wis. Filed Nov. 1, 1923.



No claim made to the word "Bond" except in connection with the balance of the mark.
Particular description of goods.—Bond Papers, Boxed Stationery, and Tablets.
Claims use since 1911.

Ser. No. 187,856. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DANZIGER-JONES, INC., New York, N. Y. Filed Nov. 2, 1923.

TELOS

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Feb. 3, 1923.

Ser. No. 187,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANUEL M. DE PICABIA, New York, N. Y. Filed Nov. 2, 1923.

TUP

Particular description of goods.—Coffees.
Claims use since Jan. 1, 1923.

Ser. No. 187,871. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY KOERNER & COMPANY, New York, N. Y. Filed Nov. 2, 1923.



Particular description of goods.—Chamois Skins.
Claims use since Oct. 1, 1923.

Ser. No. 187,872. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS BROS., INC., New York, N. Y. Filed Nov. 2, 1923.

ELBEE
VITALIS

Particular description of goods.—Hair Tonic.
Claims use since January, 1883.

Ser. No. 187,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Nov. 2, 1923.

FLEURS CELESTE

Particular description of goods.—Perfumes.
Claims use since March, 1921.

Ser. No. 187,944. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) EMMETT F. HARTLEY, doing business as Hartley Rubber Co., Huntington, W. Va. Filed Nov. 3, 1923.



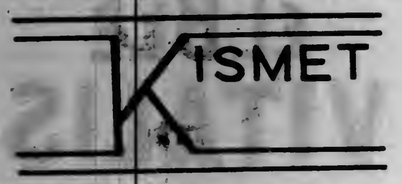
Particular description of goods.—Repair Kit for Pneumatic Tires.
Claims use since Sept. 10, 1923.

Ser. No. 187,950. (CLASS 39. CLOTHING.) SOLOMON S. MILLER, Reading, Pa. Filed Nov. 3, 1923.



Particular description of goods.—Hosiery.
Claims use since June 18, 1922.

Ser. No. 187,957. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE PHOSPHOR BRONZE SMELTING COMPANY, Philadelphia, Pa. Filed Nov. 3, 1923.



Particular description of goods.—Golf Clubs.
Claims use since on or about Oct. 31, 1923.

Ser. No. 187,969. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RUDOLPH STEINACHER, New York, N. Y. Filed Nov. 3, 1923.

ELK

Particular description of goods.—Spark Plugs.
Claims use since Mar. 20, 1922.

Ser. No. 187,972. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER, NEW YORK, New York, N. Y. Filed Nov. 3, 1923.

SNAP

Particular description of goods.—Golf Balls.
Claims use since Sept. 11, 1923.

Ser. No. 187,979. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) B. ALTMAN & Co., New York, N. Y. Filed Nov. 5, 1923.

BALCO

Particular description of goods.—Electric Vacuum Cleaners.
Claims use since Oct. 5, 1923.

Ser. No. 188,028. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE SALEM RUBBER COMPANY, Salem, Ohio. Filed Nov. 5, 1923.



No claim is made to the use of the word "Cord" apart from the mark shown in the drawing.
Particular description of goods.—Resilient Vehicle Tires and Inner Tubes of Rubber or Rubber and Fabric.
Claims use since Apr. 19, 1923.

Ser. No. 188,031. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHOT-LITE CORPORATION OF AMERICA, Denver, Colo. Filed Nov. 5, 1923.

SHOT-LITE

Particular description of goods.—Projector Lights, More Specifically Termed Windshield Spotlights.
Claims use since about Sept. 28, 1923.

Ser. No. 188,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELKINS MEDICINE CO., Philadelphia, Pa. Filed Nov. 6, 1923.



Particular description of goods.—Gland Compound.
Claims use since June 15, 1923.

Ser. No. 188,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL TOILET CO., Paris, France. Filed Nov. 6, 1923.



Particular description of goods.—Face Powders.
Claims use since Sept. 24, 1923.

Ser. No. 188,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KINJIRO IMAI, doing business as Newton Co., Seattle, Wash. Filed Nov. 7, 1923.

QUEEN

Particular description of goods.—Cold Cream.
Claims use since June 1, 1923.

Ser. No. 188,102. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE AMERICAN FASTENER COMPANY, Waterbury, Conn. Filed Nov. 8, 1923.

R.S.S.

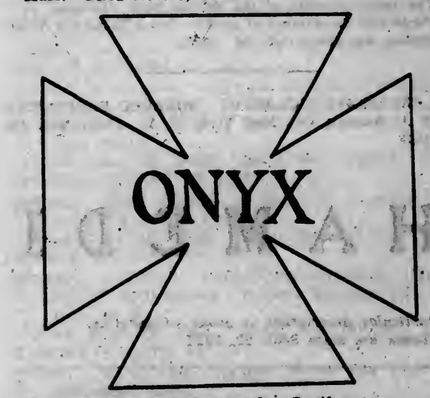
Particular description of goods.—Snap Fasteners.
Claims use since Oct. 25, 1923.

Ser. No. 188,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MYMA ROSS, Toronto, Ontario, Canada. Filed Nov. 8, 1923.



Particular description of goods.—Cold Cream.
Claims use since about Sept. 1, 1923.

Ser. No. 188,140. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SLATTERY BROS., Boston, Mass. Filed Nov. 8, 1923.



Particular description of goods.—Leather.
Claims use since Apr. 1, 1922.

Ser. No. 188,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EST. HENRY C. MINER, INC., New York, N. Y. Filed Nov. 9, 1923.



CARROT ROUGE

No claim is made to the word "Rouge" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Rouges.
Claims use since Oct. 26, 1923.

Ser. No. 188,229. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTIN MANUFACTURING COMPANY, Westwood, N. J. Filed Nov. 12, 1923.



Particular description of goods.—Hand Cream.
Claims use since Apr. 11, 1923.

Ser. No. 188,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HUGH A. CLOTWORTHY, New York, N. Y. Filed Nov. 12, 1923.



No claim is made to the words "Nail Polish Powder" except in conjunction with the other elements of the trade-mark.
Particular description of goods.—Nail-Polish Powders.
Claims use since May, 1923.

Ser. No. 188,234. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE EDWARDS MANUFACTURING CO., Cincinnati, Ohio. Filed Nov. 12, 1923.

RANGER

Particular description of goods.—Toy Pistols, Rifles, and Repeating Rifles.
Claims use since Jan. 20, 1923.

Ser. No. 188,239. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL LABORATORIES, Madison, Wis. Filed Nov. 12, 1923.

Knox Out

Particular description of goods.—Fly Spray.
Claims use since Feb. 20, 1923.

Ser. No. 188,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. T. PEARCE, Miami, Fla. Filed Nov. 12, 1923.

BLACK POINT

Particular description of goods.—Fresh Tomatoes.
Claims use since Oct. 8, 1923.

Ser. No. 188,319. (CLASS 31. FILTERS AND REFRIGERATORS.) THE MOTORFRIGERATOR COMPANY, Lansdale, Pa. Filed Nov. 14, 1923.

Motorfrigerator

Particular description of goods.—Refrigerators.
Claims use since July 20, 1923.

Ser. No. 188,351. (CLASS 37. PAPER AND STATIONERY.) WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed Nov. 14, 1923.

Roseneath

Particular description of goods.—Writing Paper, Mailing Envelopes, and Papeteries.
Claims use since Oct. 23, 1923.

Ser. No. 188,385. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Floor Oilers, Yarn Mops, Dust Cloths, and Yarn Dust Brushes.
Claims use since Sept. 20, 1923.

Ser. No. 188,396. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) AJAX RUBBER COMPANY, INC., Millbrook, N. Y. Filed Nov. 16, 1923.

GASPAC

The mark consists of the coined word "Gaspac."
Particular description of goods.—Inner Tubes for Tires.
Claims use since Oct. 26, 1923.

Ser. No. 188,441. (CLASS 17. TOBACCO PRODUCTS.) P. A. SARSAM CO., New York, N. Y. Filed Nov. 16, 1923.

HAMEDI

Particular description of goods.—Cigarettes.
Claims use since Sept. 22, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JANUARY 1, 1924.

177,848. A WEEKLY PERIODICAL MAGAZINE OR PAMPHLET. J. W. MCCLURE, Cleveland, Ohio.
Filed May 11, 1923. Serial No. 180,482. PUBLISHED SEPTEMBER 18, 1923.

177,849. RAILWAY GASOLINE MOTOR CARS. MUDGE & COMPANY, Chicago, Ill.
Filed May 10, 1923. Serial No. 180,448. PUBLISHED OCTOBER 16, 1923.

177,850. SMOKING AND CHEWING TOBACCO. JAEGER-KUNNERT CO., also doing business as H. W. Glasser Tobacco Products Co., Dubuque, Iowa.
Filed August 27, 1923. Serial No. 185,021. PUBLISHED OCTOBER 23, 1923.

177,851. COVER PAPER. PENINSULAR PAPER COMPANY, Ypsilanti, Mich.
Filed August 1, 1923. Serial No. 183,939. PUBLISHED OCTOBER 16, 1923.

177,852. MALT EXTRACT AND SIRUP. JOHN A. CALLEGARI, doing business as Callegari Products Co., Chicago, Ill.
Filed August 20, 1923. Serial No. 184,710. PUBLISHED OCTOBER 30, 1923.

177,853. WRITING PAPER AND ENVELOPES. THE FAIR, Chicago, Ill.
Filed July 5, 1923. Serial No. 182,793. PUBLISHED OCTOBER 16, 1923.

177,854. LIGHT-WEIGHT FIBER BOARD. THE STEVENS PAPER MILLS, INC., Windsor, Conn.
Filed July 6, 1923. Serial No. 182,891. PUBLISHED OCTOBER 16, 1923.

177,855. PAPER NAPKINS. THE TISSUE COMPANY, Saugerties, N. Y.
Filed July 31, 1923. Serial No. 183,896. PUBLISHED OCTOBER 16, 1923.

177,856. PNEUMATIC AND SOLID RUBBER TIRES FOR AUTOMOBILES AND RUBBER INNER TUBES FOR PNEUMATIC TIRES. COLUMBIA TIRE CORPORATION, Portland, Oreg.
Filed June 18, 1923. Serial No. 182,136. PUBLISHED OCTOBER 16, 1923.

177,857. COAL. THE KEARNS COAL COMPANY, Cincinnati, Ohio.
Filed June 20, 1923. Serial No. 182,246. PUBLISHED OCTOBER 16, 1923.

177,858. COMBINED LETTER SHEET AND ADVERTISING FOLDERS, DISPLAYING WRITTEN OR PRINTED MATTER. DUAL-USE COMPANY, Knoxville, Tenn.
Filed June 27, 1923. Serial No. 182,503. PUBLISHED OCTOBER 16, 1923.

177,859. SEED CORN. CLIFFORD A. BARDEN, Oberlin and Wakeman, Ohio.
Filed June 13, 1923. Serial No. 181,928. PUBLISHED OCTOBER 16, 1923.

177,860. ANIMAL PRODUCTS—NAMELY, WOOL, HIDES, AND SKINS. TRIDENT TRADERS, INC., New York, N. Y.
Filed June 14, 1923. Serial No. 182,021. PUBLISHED OCTOBER 16, 1923.

177,861. TAXICABS. BARLEY MOTOR CAR COMPANY, Kalamazoo, Mich.
Filed June 18, 1923. Serial No. 182,123. PUBLISHED OCTOBER 16, 1923.

177,862. CREPE PAPERS, TOILET PAPERS, TABLETS, NOTEBOOKS, AND WRAPPING PAPERS. DULUTH PAPER AND STATIONERY CO., Duluth, Minn.
Filed June 1, 1923. Serial No. 181,437. PUBLISHED OCTOBER 16, 1923.

177,863. CUSHION FOR VEHICLES. ERNEST A. EIBAND, New Braunfels, Tex.
Filed June 4, 1923. Serial No. 181,518. PUBLISHED OCTOBER 16, 1923.

177,864. BOBSLEDS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed June 6, 1923. Serial No. 181,580. PUBLISHED OCTOBER 16, 1923.

177,865. RUBBER BELTING. E. C. ATKINS & COMPANY, Indianapolis, Ind.
Filed May 14, 1923. Serial No. 180,577. PUBLISHED OCTOBER 16, 1923.

177,866. RUBBER BELTING. E. C. ATKINS & COMPANY, Indianapolis, Ind.
Filed May 14, 1923. Serial No. 180,578. PUBLISHED OCTOBER 16, 1923.

177,867. RAILWAY GASOLINE MOTOR CARS. MUDGE & COMPANY, Chicago, Ill.
Filed May 10, 1923. Serial No. 180,451. PUBLISHED OCTOBER 16, 1923.

177,868. TIRE COVERS. PACKARD MOTOR CAR COMPANY, Detroit, Mich.
Filed May 9, 1923. Serial No. 180,385. PUBLISHED OCTOBER 16, 1923.

177,869. RAILWAY GASOLINE MOTOR CARS. MUDGE & COMPANY, Chicago, Ill.
Filed May 10, 1923. Serial No. 180,445. PUBLISHED OCTOBER 16, 1923.

177,870. PETROLEUM KEROSENE, GASOLINE, NAPHTHA, LUBRICATING OILS, LUBRICATING GREASES, ROAD OIL, CRUDE OIL, FUEL OIL, PARAFFINS, FLUX OIL, CUTTING OIL. CAREY G. WIRICK, doing business as Lion Oil Company, Chicago, Ill.
Filed April 28, 1923. Serial No. 179,910. PUBLISHED SEPTEMBER 18, 1923.

177,871. CORE BINDER. THE J. S. MCCORMICK COMPANY, Pittsburgh, Pa.
Filed April 27, 1923. Serial No. 179,810. PUBLISHED OCTOBER 16, 1923.

177,872. LETTER PAPERS AND ENVELOPES, EITHER SINGLE OR MADE UP IN PADS AND FOLDERS, CRAPE PAPER. JULIUS BAUMGARTEN & SÖHNE VEREINIGTE PAPIERWARENFABRIKEN KOMMANDITGESELLSCHAFT, Vienna, Austria.
Filed March 28, 1923. Serial No. 178,158. PUBLISHED OCTOBER 16, 1923.

177,873. RAW AND DRESSED SKINS AND PELTS. ATTILIO PIERINI, doing business as Great Northern Fur Dyeing and Dressing Company, Brooklyn, N. Y.
Filed April 7, 1923. Serial No. 178,768. PUBLISHED OCTOBER 16, 1923.

177,874. METAL PIPE FITTINGS, STOPCOCKS, AND DOUBLE PACKED STOPCOCKS. VICTORY MANUFACTURING CO., Niles, Calif.
Filed April 23, 1923. Serial No. 179,565. PUBLISHED OCTOBER 30, 1923.

177,875. LINEN FIRE HOSE. WM. & CHAS. BECK, INC., Lawrence, Mass.
Filed March 3, 1923. Serial No. 176,873. PUBLISHED OCTOBER 16, 1923.

177,876. LINEN FIRE HOSE. WM. & CHAS. BECK, INC., Lawrence, Mass.
Filed March 3, 1923. Serial No. 176,875. PUBLISHED OCTOBER 16, 1923.

177,877. WHEELS FOR AUTOMOBILE VEHICLES. MOTOR WHEEL CORPORATION, Lansing, Mich.
Filed March 9, 1923. Serial No. 177,191. PUBLISHED OCTOBER 16, 1923.

177,878. TABLECLOTHS, NAPKINS, DOILIES, CENTERPIECES, AND HOUSEHOLD LINENS. JOHN C. SLEATER CO., INC., New York, N. Y.
Filed March 19, 1923. Serial No. 177,701. PUBLISHED JULY 10, 1923.

177,879. RAINCOATS. GILLETTE RUBBER COMPANY, Eau Claire, Wis.
Filed June 23, 1922. Serial No. 165,950. PUBLISHED APRIL 3, 1923.

177,880. CANNED FISH—NAMELY, SARDINES, SALMON, AND TUNNY FISH. JAMES MADISON, San Francisco, Calif.
Filed February 6, 1923. Serial No. 175,611. PUBLISHED OCTOBER 16, 1923.

177,881. CERTAIN NAMED CLOTHING. THE STYLE-CENTER TAILORING COMPANY, Cincinnati, Ohio.
Filed February 9, 1923. Serial No. 175,831. PUBLISHED AUGUST 28, 1923.

177,882. DRESS, NEGLIGEE, AND WORK SHIRTS. PADIN BROTHERS, New York, N. Y.
Filed February 27, 1923. Serial No. 176,688. PUBLISHED OCTOBER 16, 1923.

177,883. FRESH CITROUS FRUITS. WILLIAM G. ROE, Winter Haven, Fla.
Filed March 13, 1923. Serial No. 177,408. PUBLISHED OCTOBER 16, 1923.

177,884. CERTAIN NAMED MEDICINAL PREPARATION. MAXWELL E. BALL, doing business as The Goitrex Company, Portland, Oreg.
Filed January 15, 1923. Serial No. 174,606. PUBLISHED MAY 29, 1923.

177,885. MANICURE FILES. C. J. BATES & SON, Chester, Conn.
Filed January 30, 1923. Serial No. 175,294. PUBLISHED OCTOBER 16, 1923.

177,886. PETROLEUM JELLY TO BE USED FOR LUBRICATING PURPOSES, NOT FOR MEDICINAL PURPOSES. STANDARD OIL COMPANY, Whiting Ind., and Chicago, Ill.
Filed November 6, 1922. Serial No. 171,662. PUBLISHED OCTOBER 16, 1923.

177,887. FRESH APPLES. INWOOD FRUIT GROWERS CLUB, Inwood, W. Va.
Filed November 21, 1922. Serial No. 172,333. PUBLISHED OCTOBER 16, 1923.

177,888. CANDIES AND OTHER SUGAR PRODUCTS. ABRAHAM L. BOYD, Sacramento, Calif.
Filed December 22, 1922. Serial No. 173,697. PUBLISHED OCTOBER 16, 1923.

177,889. BLEACHED COTTON DUCK. TURNER, HALSEY CO., New York, N. Y.
Filed January 3, 1923. Serial No. 174,158. PUBLISHED JUNE 19, 1923.

177,890. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,834. PUBLISHED OCTOBER 16, 1923.

177,891. BOOTS AND SHOES OF LEATHER. CORSON SHOE MANUFACTURING COMPANY, LTD., Toronto, Ontario, Canada.
Filed October 26, 1922. Serial No. 171,205. PUBLISHED JULY 3, 1923.

177,892. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,830. PUBLISHED OCTOBER 16, 1923.

177,893. MEDICINE TO REGULATE THE STOMACH, LIVER, AND BOWELS, AND TO GIVE RELIEF FROM CONSTIPATION. WILBER SYLVESTER, doing business as Cook Medical Co., Port Huron, Mich.
Filed May 27, 1922. Serial No. 164,622. PUBLISHED MARCH 20, 1923.

177,894. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,826. PUBLISHED OCTOBER 16, 1923.

177,895. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,828. PUBLISHED OCTOBER 16, 1923.

177,896. HAMS AND BACONS. ARTHUR E. DORR & CO. INC., Boston, Mass.
Filed February 27, 1922. Serial No. 159,852. PUBLISHED OCTOBER 16, 1923.

177,897. JAVA HEMP-FIBER ROPE. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed February 27, 1922. Serial No. 159,868. PUBLISHED OCTOBER 16, 1923.

177,898. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. WESTERN DRUGGIST ASSOCIATION, Seattle, Wash.
Filed March 16, 1922. Serial No. 160,783. PUBLISHED FEBRUARY 13, 1923.

177,899. DESSERT PUDDING POWDERS. R. & W. PRODUCTS CO., Milwaukee, Wis.
Filed April 13, 1922. Serial No. 162,267. PUBLISHED OCTOBER 16, 1923.

177,900. DOLLS. THE NELKE CORPORATION, Philadelphia, Pa.
Filed August 1, 1923. Serial No. 183,936. PUBLISHED OCTOBER 16, 1923.

177,901. PETROLEUM AND PRODUCTS OF PETROLEUM. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 31, 1923. Serial No. 183,893. PUBLISHED OCTOBER 16, 1923.

177,902. RACKET GAME. DOUGLAS FAIRBANKS, Los Angeles, Calif.
Filed July 24, 1923. Serial No. 183,624. PUBLISHED OCTOBER 16, 1923.

177,903. WORK SHIRTS. ROMBRO BROTHERS, Baltimore, Md.
Filed July 24, 1923. Serial No. 183,633. PUBLISHED OCTOBER 16, 1923.

177,904. WOMEN'S KNITTED UNDERWEAR. ROYAL UNDERWEAR COMPANY, Reading, Pa.
Filed July 25, 1923. Serial No. 183,670. PUBLISHED OCTOBER 16, 1923.

177,905. TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. LAURA K. WHITBECK, Syracuse, N. Y.
Filed July 18, 1923. Serial No. 183,428. PUBLISHED OCTOBER 16, 1923.

177,906. PAPER BAGS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed July 21, 1923. Serial No. 183,546. PUBLISHED OCTOBER 16, 1923.

177,907. GOLF CLUBS. THE CRAWFORD MCGREGOR & CANBY COMPANY, Dayton, Ohio.
Filed July 23, 1923. Serial No. 183,556. PUBLISHED OCTOBER 16, 1923.

177,908. CERTAIN NAMED CONFECTIONERY. CANDY SALES CORPORATION, Brooklyn, N. Y.
Filed July 18, 1923. Serial No. 183,361. PUBLISHED OCTOBER 16, 1923.

177,909. EGG AND POULTRY CASES. BUTTS & MILLER CO., INC., New York, N. Y.
Filed July 13, 1923. Serial No. 183,136. PUBLISHED OCTOBER 16, 1923.

177,910. PURE-FRUIT JELLY COMPOUND. CLIFFORD L. WESTON, doing business as C. L. Weston Co., Plainfield, N. J.
Filed July 2, 1923. Serial No. 182,731. PUBLISHED OCTOBER 16, 1923.

177,911. CANDY. CLARENCE A. CRANE, doing business as Crane Chocolate Company, Cleveland, Ohio.
Filed July 10, 1923. Serial No. 183,023. PUBLISHED OCTOBER 16, 1923.

177,912. CANDLES. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed July 10, 1923. Serial No. 183,045. PUBLISHED OCTOBER 16, 1923.

177,913. CANDY. ROGERS CANDY COMPANY, Meridian, Miss.
Filed June 29, 1923. Serial No. 182,612. PUBLISHED OCTOBER 16, 1923.

177,914. FRESH APPLES AND PEARS. BEN F. SELLERS, Yakima, Wash.
Filed June 29, 1923. Serial No. 182,618. PUBLISHED OCTOBER 16, 1923.

177,915. A BEVERAGE CONSISTING OF A COMPOSITION OF DRIED FRUITS AND NUTS, SUITABLE AS A SUBSTITUTE FOR COFFEE. GOLDIE WEINSTEIN, doing business as Goldie Fruittine Co., New York, N. Y.
Filed June 29, 1923. Serial No. 182,632. PUBLISHED OCTOBER 16, 1923.

177,916. GASOLINE. JAMES W. JAMESON, doing business as Jameson Oil Company, Los Angeles, Calif.
Filed June 14, 1923. Serial No. 181,996. PUBLISHED OCTOBER 16, 1923.

177,917. CANDY. COLA GEMS COMPANY, Jacksonville, Fla.
Filed June 22, 1923. Serial No. 182,832. PUBLISHED OCTOBER 16, 1923.

177,918. A CLEANING AND POLISHING COMPOUND FOR AUTOMOBILES, PIANOS, FURNITURE, METAL, AND WOODWORK. AMBRITE PRODUCTS COMPANY, Centralia, Wash.
Filed June 28, 1923. Serial No. 182,530. PUBLISHED OCTOBER 16, 1923.

177,919. CANDY. ALBERT SAULPAUGH, doing business as Saulpaughs Candy Kitchen, Catskill, N. Y.
Filed June 12, 1923. Serial No. 181,912. PUBLISHED OCTOBER 16, 1923.

177,920. WRAPPING TWINE. AMERICAN MILLS COMPANY, Atlanta, Ga.
Filed August 22, 1923. Serial No. 184,808. PUBLISHED OCTOBER 16, 1923.

177,921. FERTILIZERS. CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa.
Filed August 22, 1923. Serial No. 184,884. PUBLISHED OCTOBER 16, 1923.

177,922. BASEBALL BATS. HILLERICH & BRADSBY CO., INC., Louisville, Ky.
Filed August 20, 1923. Serial No. 184,728. PUBLISHED OCTOBER 16, 1923.

177,923. FRICTION TAPE AND SPLICING COMPOUND. ERNEST R. BRYANT, Boston, Mass.
Filed August 13, 1923. Serial No. 184,380. PUBLISHED OCTOBER 16, 1923.

177,924. HOSIERY. THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass.
Filed August 13, 1923. Serial No. 184,385. PUBLISHED OCTOBER 16, 1923.

177,925. GASOLINE, LUBRICATING OILS AND GREASES. JULIAN PETROLEUM CORPORATION, Wilmington, Del., and Los Angeles, Calif.
Filed August 13, 1923. Serial No. 184,406. PUBLISHED OCTOBER 16, 1923.

177,926. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed August 9, 1923. Serial No. 184,271. PUBLISHED OCTOBER 16, 1923.

177,927. WORK SHIRTS. WORTHY MANUFACTURING COMPANY, Chicago, Ill.
Filed August 10, 1923. Serial No. 184,313. PUBLISHED OCTOBER 16, 1923.

177,928. BOX SHOOKS. PELICAN BAY LUMBER COMPANY, Klamath Falls, Oreg.
Filed August 11, 1923. Serial No. 184,361. PUBLISHED OCTOBER 16, 1923.

177,929. BOX SHOOKS. PELICAN BAY LUMBER COMPANY, Klamath Falls, Oreg.
Filed August 11, 1923. Serial No. 184,362. PUBLISHED OCTOBER 16, 1923.

177,930. RUBBER DOLLS. THE PERFECTION RUBBER COMPANY, Cleveland, Ohio.
Filed August 11, 1923. Serial No. 184,363. PUBLISHED OCTOBER 16, 1923.

177,931. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed August 9, 1923. Serial No. 184,270. PUBLISHED OCTOBER 16, 1923.

177,932. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS., New York, N. Y.
Filed August 9, 1923. Serial No. 184,247. PUBLISHED OCTOBER 16, 1923.

177,933. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS., New York, N. Y.
Filed August 9, 1923. Serial No. 184,248. PUBLISHED OCTOBER 16, 1923.

177,934. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed August 9, 1923. Serial No. 184,269. PUBLISHED OCTOBER 16, 1923.

177,935. HOSIERY. ANDERSON HOSIERY MILLS, Anderson, S. C.
Filed August 6, 1923. Serial No. 184,155. PUBLISHED OCTOBER 16, 1923.

177,936. CHILDREN'S WAISTS AND UNDERWEAR OF KNITTED OR TEXTILE FABRICS. THE THOS. P. TAYLOR CO., Bridgeport, Conn.
Filed August 8, 1923. Serial No. 184,222. PUBLISHED OCTOBER 16, 1923.

177,937. KNITTED BATHING SUITS, SWEATERS, JACKETS, AND MEN'S AND WOMEN'S SCARFS. S. L. GILBERT & CO. INC., New York, N. Y.
Filed August 9, 1923. Serial No. 184,241. PUBLISHED OCTOBER 16, 1923.

177,938. ROPE AND TWINE MADE OF HARD FIBER. THE PORTLAND CORDAGE CO., Portland, Oreg.
Filed August 4, 1923. Serial No. 184,100. PUBLISHED OCTOBER 16, 1923.

177,939. CERTAIN ARTICLES OF CLOTHING. THE NICHOLS UNDERWEAR CORPORATION, Bridgeport, Conn.
Filed August 6, 1923. Serial No. 184,144. PUBLISHED OCTOBER 16, 1923.

177,940. AN ABRASIVE MATERIAL. ABRASIVE COMPANY, Bridesburg, Philadelphia, Pa.
Filed June 24, 1922. Serial No. 165,978. PUBLISHED OCTOBER 16, 1923.

177,941. CERTAIN STATIONERY. A. W. FABER, Stein, near Nuremberg, Germany.
Filed September 1, 1922. Serial No. 168,961. PUBLISHED OCTOBER 16, 1923.

177,942. AUTOMOBILES AND MOTOR TRUCKS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 15, 1922. Serial No. 169,483. PUBLISHED OCTOBER 16, 1923.

177,943. TANNED LEATHER AND SKINS. THE SCHOELLKOPF CO., Dallas, Tex.
Filed July 29, 1921. Serial No. 151,102. PUBLISHED OCTOBER 16, 1923.

177,944. SHOCK ABSORBERS FOR AUTOMOBILES. AUTO SPECIALTIES MANUFACTURING CO., San Francisco, Calif., and St. Joseph, Mich.
Filed October 29, 1921. Serial No. 154,718. PUBLISHED OCTOBER 16, 1923.

177,945. CIGARETTE PAPER. NICK S. STEPHENSON, doing business as Nick Stephenson & Co., Chicago, Ill.
Filed August 20, 1923. Serial No. 184,771. PUBLISHED OCTOBER 16, 1923.

177,946. WRAPPING PAPER. THE NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed August 20, 1923. Serial No. 184,746. PUBLISHED OCTOBER 16, 1923.

177,947. SHEETINGS AND PILLOWCASES. SERVICE EQUIPMENT CO., INC., New York, N. Y.
Filed July 14, 1923. Serial No. 183,237. PUBLISHED OCTOBER 16, 1923.

177,948. GRAPEFRUIT IN THEIR NATURAL STATE. THE KOPF BROS. CO., New Haven, Conn.
Filed July 19, 1923. Serial No. 183,451. PUBLISHED OCTOBER 16, 1923.

177,949. TOILET BRUSHES—NAMELY, HAIR, TOOTH, COMPLEXION, AND HAND BRUSHES. GEO. R. GIBSON & CO., New York, N. Y.
Filed August 15, 1923. Serial No. 184,496. PUBLISHED OCTOBER 16, 1923.

177,950. SCARFS AND SHAWLS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed February 15, 1923. Serial No. 176,085. PUBLISHED OCTOBER 16, 1923.

177,951. CHILDREN'S WEARING APPAREL. WOODWARD & BOWMAN, Norwood, Mass.
Filed February 20, 1923. Serial No. 176,393. PUBLISHED OCTOBER 16, 1923.

177,952. APRONS, DRESSES. F. VOGEL'S SON AND COMPANY, Chicago, Ill.
Filed February 24, 1923. Serial No. 176,585. PUBLISHED OCTOBER 16, 1923.

177,953. SOAPS AND INDUSTRIAL CLEANING COMPOUNDS. GREASALT PRODUCTS CORPORATION, New York, N. Y.
Filed March 2, 1923. Serial No. 176,826. PUBLISHED OCTOBER 2, 1923.

177,954. OVERALLS, TROUSERS, AND WORK SHIRTS. ATLANTIC OVERALL & SHIRT CO., Philadelphia, Pa.
Filed December 30, 1922. Serial No. 173,992. PUBLISHED JUNE 5, 1923.

177,955. SKIRTS. SAMUEL KANNER, doing business as Kanner Skirt Co., New York, N. Y.
Filed January 16, 1923. Serial No. 174,662. PUBLISHED OCTOBER 16, 1923.

177,956. MEN'S AND BOYS' UNDERWEAR OF TEXTILE MATERIALS. LITEWEAR MANUFACTURING COMPANY, Montgomery, Ala.
Filed February 12, 1923. Serial No. 175,934. PUBLISHED OCTOBER 16, 1923.

177,957. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS OF TEXTILE FABRICS. THE AMERTEX MILLS, INC., Bridgeport, Conn., and New York, N. Y.
Filed March 18, 1922. Serial No. 160,852. PUBLISHED AUGUST 14, 1923.

177,958. WAX CHEWING GUM. THE SWEETMAN COMPANY, INC., St. Louis, Mo.
Filed March 31, 1922. Serial No. 161,587. PUBLISHED OCTOBER 16, 1923.

177,959. CHILDREN'S DRESSES AND FROCKS. L. BELA WILDE, Brooklyn, N. Y.
Filed July 31, 1922. Serial No. 167,666. PUBLISHED MARCH 27, 1923.

177,960. RAINCOATS FOR MEN, WOMEN, AND CHILDREN. NEW YORK MACKINTOSH CLOTHING COMPANY, New York, N. Y.
Filed August 2, 1922. Serial No. 167,734. PUBLISHED OCTOBER 16, 1923.

177,961. GELATIN USED AS A FOOD OR AS INGREDIENT OF FOODS. LIJM-EN-GELATINEFABRIEK-DELFT, Delft, Netherlands.
Filed December 14, 1922. Serial No. 173,332. PUBLISHED OCTOBER 16, 1923.

177,962. MEN'S, WOMEN'S, AND CHILDREN'S PYJAMAS AND NIGHTSHIRTS. AMERICAN WHOLESALE CORPORATION, Baltimore and Cumberland, Md.
Filed February 28, 1920. Serial No. 128,994. PUBLISHED OCTOBER 16, 1923.

177,963. CERTAIN NAMED ARTICLES OF CLOTHING. THE REPUBLIC KNITTING CO., Cleveland, Ohio.
Filed January 3, 1922. Serial No. 157,443. PUBLISHED NOVEMBER 28, 1922.

177,964. CIGARS, CIGARETTES, SMOKING AND CHEWING TOBACCO. J. O. CAMPBELL, doing business as C. R. Cigar Co., Atlanta, Ga.
Filed February 13, 1922. Serial No. 159,244. PUBLISHED OCTOBER 3, 1922.

177,965. OVERALLS, WORK SHIRTS, JUMPERS, DUCK COATS, KHAKI COATS, CORDUROY COATS, DUCK PANTS, KHAKI PANTS, AND CORDUROY PANTS. KEET & ROUNTREE DRY GOODS CO., Springfield, Mo.
Filed July 9, 1923. Serial No. 182,975. PUBLISHED OCTOBER 16, 1923.

177,966. MEN'S HOSE. PARKER-BRIDGET COMPANY, Washington, D. C.
Filed July 7, 1923. Serial No. 182,929. PUBLISHED OCTOBER 16, 1923.

177,967. APRONS. CORA L. SCOVIL, New York, N. Y.
Filed July 7, 1923. Serial No. 182,936. PUBLISHED OCTOBER 16, 1923.

177,968. WRAPPING PAPER. HENRY L. TETAMORE, Glendale, N. Y.
Filed July 7, 1923. Serial No. 182,941. PUBLISHED OCTOBER 2, 1923.

177,969. KNITTED UNDERWEAR, HOSIERY, AND KNITTED NECKTIES. KEEDY, PFAFF & CO., INC., Baltimore, Md.
Filed July 3, 1923. Serial No. 182,754. PUBLISHED OCTOBER 16, 1923.

177,970. HOSIERY FOR MEN AND WOMEN; KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN; SWEATERS, AND NECKTIES. RED MILL HOSIERY COMPANY, INC., Philadelphia, Pa.
Filed July 3, 1923. Serial No. 182,770. PUBLISHED OCTOBER 16, 1923.

177,971. POP CORN IN ITS NATURAL STATE. HARRY A. KEATING, Kansas City, Mo.
Filed June 25, 1923. Serial No. 182,420. PUBLISHED OCTOBER 16, 1923.

177,972. CANDY. ROGERS CANDY COMPANY, Meridian, Miss.
Filed June 29, 1923. Serial No. 182,614. PUBLISHED OCTOBER 16, 1923.

177,973. MEN'S, BOYS', AND CHILDREN'S OUTER CLOTHING, COMPRISING SUITS, OVERCOATS, AND RAINCOATS. WALLERSTEIN BROS., Paducah, Ky.
Filed June 30, 1923. Serial No. 182,686. PUBLISHED OCTOBER 16, 1923.

177,974. CLOTHING FOR MEN—NAMELY, SUITS, OVERCOATS, TUXEDOS, FULL DRESS SUITS, TROUSERS, AND SPORT GARMENTS. JOSEPH H. COHEN & SONS, New York, N. Y.
Filed May 28, 1923. Serial No. 181,246. PUBLISHED OCTOBER 16, 1923.

177,975. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed May 28, 1923. Serial No. 181,269. PUBLISHED OCTOBER 16, 1923.

177,976. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. HARRINGTON & WARING, New York, N. Y.
Filed May 28, 1923. Serial No. 181,277. PUBLISHED OCTOBER 16, 1923.

177,977. MEN'S AND BOYS' OVERCOATS, COATS, VESTS, AND TROUSERS. ZURKOW & GRAFF, New York, N. Y.
Filed June 7, 1923. Serial No. 181,664. PUBLISHED OCTOBER 16, 1923.

177,978. ENVELOPES AND PAPER FOR MAKING ENVELOPES. THE J. W. BUTLER PAPER CO., Chicago, Ill.
Filed June 18, 1923. Serial No. 182,128. PUBLISHED OCTOBER 16, 1923.

177,979. MAPLE SUGAR. FREDERICK MORRISON PIKE, doing business as Mount Mansfield Maple Merchants, Stowe, Vt.
Filed April 28, 1923. Serial No. 179,883. PUBLISHED OCTOBER 16, 1923.

177,980. MEN'S AND BOYS' SHEEP-LINED COATS AND VESTS. SIMON BLUM, INCORPORATED, New York, N. Y.
Filed May 10, 1923. Serial No. 180,415. PUBLISHED OCTOBER 16, 1923.

177,981. HOSIERY. MAY HOSIERY MILLS, INC., Burlington, N. C.
Filed May 12, 1923. Serial No. 180,544. PUBLISHED OCTOBER 16, 1923.

177,982. CANNED SALMON. BANKERS DISCOUNT CORPORATION, Astoria, Oreg.
Filed May 19, 1923. Serial No. 180,828. PUBLISHED OCTOBER 16, 1923.

177,983. SWEATERS, SCARFS, BATHING SUITS, BATHING SHIRTS, AND BATHING TRUNKS. PURITAN KNITTING MILLS, Philadelphia, Pa.
Filed Mar. 19, 1923. Serial No. 177,690. PUBLISHED OCTOBER 16, 1923.

177,984. BOYS' AND MEN'S SUITS AND OVERCOATS. JACOB WISHNEVITZ, New York, N. Y.
Filed April 16, 1923. Serial No. 179,251. PUBLISHED OCTOBER 16, 1923.

177,985. RUBBER AND FABRIC TIRES AND TUBES FOR VEHICLES. AMERICAN AUTO ACCESSORIES STORES, Wilkes-Barre, Pa.
Filed April 24, 1923. Serial No. 179,579. PUBLISHED OCTOBER 2, 1923.

177,986. CORDS, TWINES, ROPES, AND LINES OF FIBER MATERIAL MADE FROM COTTON, HEMP, MANILA, SISAL, OR JUTE, SAID LINES BEING OF THE NATURE OF CLOTHESLINES. GRANITE CORDAGE COMPANY, Granite Falls and Hickory, N. C.
Filed September 10, 1923. Serial No. 185,578. PUBLISHED OCTOBER 16, 1923.

177,987. SHOPPING BAGS. B. KATZ & SON, New York, N. Y.
Filed September 7, 1923. Serial No. 185,467. PUBLISHED OCTOBER 16, 1923.

177,988. ARTISTS' PAINTBRUSHES. UNITED BRUSH MANUFACTORIES, New York, N. Y.
Filed September 6, 1923. Serial No. 185,390. PUBLISHED OCTOBER 16, 1923.

177,989. TWINE. THE PORTLAND CORDAGE CO., Portland, Oreg.
Filed August 30, 1923. Serial No. 185,187. PUBLISHED OCTOBER 16, 1923.

177,990. KITES. CHARLES FRITZ, doing business as California Toy Co., Berkeley, Calif.
Filed August 27, 1923. Serial No. 185,013. PUBLISHED OCTOBER 16, 1923.

177,991. FERTILIZERS. CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa.
Filed August 22, 1923. Serial No. 184,886. PUBLISHED OCTOBER 16, 1923.

177,992. MACARONI, SPAGHETTI, NOODLES, VERMICELLI, AND SIMILAR ITALIAN PASTE PRODUCTS. RANDAZZO MACARONI MFG. CO., St. Louis, Mo.
Filed December 17, 1921. Serial No. 156,862. PUBLISHED OCTOBER 16, 1923.

177,993. MOTOR FUEL OIL. BARNSDALL REFINING COMPANY, Tulsa, Okla.
Filed September 23, 1921. Serial No. 153,234. PUBLISHED OCTOBER 16, 1923.

177,994. MALT EXTRACTS. JOSEPH E. MAGNUS, doing business as Puritan Malt Extract Co., (Not Inc.), Chicago, Ill.
Filed July 14, 1921. Serial No. 150,363. PUBLISHED OCTOBER 16, 1923.

177,995. MALTED MILK. HORLICK'S MALTED MILK COMPANY, Racine, Wis.
Filed June 4, 1923. Serial No. 181,526. PUBLISHED OCTOBER 16, 1923.

177,996. MACARONI PRODUCTS. KEYSTONE MACARONI MANUFACTURING COMPANY, Lebanon, Pa.
Filed May 25, 1923. Serial No. 181,133. PUBLISHED OCTOBER 16, 1923.

177,997. CANNED VEGETABLES—NAMELY, PEAS, GOLDEN WAX BEANS, PUMPKIN, REFUGEE BEANS, LIMA BEANS, SUCCOTASH, AND KRAUT. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed May 28, 1923. Serial No. 181,300. PUBLISHED OCTOBER 16, 1923.

177,998. MACARONI PRODUCTS. KEYSTONE MACARONI MANUFACTURING COMPANY, Lebanon, Pa.
Filed May 25, 1923. Serial No. 181,132. PUBLISHED OCTOBER 16, 1923.

177,999. MACARONI PRODUCTS. KEYSTONE MACARONI MANUFACTURING COMPANY, Lebanon, Pa.
Filed May 25, 1923. Serial No. 181,131. PUBLISHED OCTOBER 16, 1923.

178,000. PRESERVED FIGS, SUN-DRIED RAISINS, SHELLED NUTS IN THEIR NATURAL STATE, AND SALTED SHELLED NUTS, PRESERVED FRUITS, AND PRESERVED DATES. GEORGE VLACHOS, New York, N. Y.
Filed May 19, 1923. Serial No. 180,913. PUBLISHED OCTOBER 16, 1923.

178,001. MACARONI PRODUCTS. KEYSTONE MACARONI MANUFACTURING COMPANY, Lebanon, Pa.
Filed May 25, 1923. Serial No. 181,129. PUBLISHED OCTOBER 16, 1923.

178,002. BITS, STIRRUPS, SPURS, BUCKLES, AND HARNESS FURNITURE. FERDINAND EGLINGTON, Walsall, England.
Filed May 9, 1923. Serial No. 180,368. PUBLISHED OCTOBER 16, 1923.

178,003. MALT EXTRACTS FOR FOOD PURPOSES ONLY. MALVAZ MALT EXTRACT COMPANY, Chicago, Ill.
Filed May 11, 1923. Serial No. 180,481. PUBLISHED OCTOBER 16, 1923.

178,004. SEMILIQUID OR VISCOUS PREPARATION FOR USE AS A FROSTING, ICING, TOPPING SAUCE, OR FILLING FOR DESSERTS. EMMA E. CURTIS, Melrose, Mass.
Filed May 17, 1923. Serial No. 180,753. PUBLISHED OCTOBER 16, 1923.

178,005. CANNED SHRIMP. AUGUSTUS OEMLER, Savannah, Ga.
Filed May 18, 1923. Serial No. 180,807. PUBLISHED OCTOBER 16, 1923.

178,006. EDIBLE OIL. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed May 7, 1923. Serial No. 180,272. PUBLISHED OCTOBER 16, 1923.

178,007. OVERCOATS, TOPCOATS, RAINCOATS, SPORT COATS, SPORT SUITS, GOLF SUITS, AND WATERPROOFED OUTER GARMENTS. HEIDELBERG, WOLFF & CO., New York, N. Y.
Filed April 26, 1923. Serial No. 179,724. PUBLISHED OCTOBER 16, 1923.

178,008. OVERCOATS, RAINCOATS, SMOKING JACKETS, HOUSE COATS, NORFOLK JACKETS, TOPCOATS, GOLF SUITS, AND SPORT SUITS. HEIDELBERG, WOLFF & CO., New York, N. Y.
Filed April 26, 1923. Serial No. 179,726. PUBLISHED OCTOBER 16, 1923.

178,009. CANNED OLIVE OIL. MICHELE AJELLO CO. INC., Brooklyn, N. Y.
Filed April 21, 1923. Serial No. 179,448. PUBLISHED OCTOBER 16, 1923.

178,010. WALL-PAPER SIZE. COLONIAL WORKS, Brooklyn, N. Y.
Filed April 24, 1923. Serial No. 179,586. PUBLISHED OCTOBER 16, 1923.

178,011. SATEEN PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed April 25, 1923. Serial No. 179,693. PUBLISHED JULY 17, 1923.

178,012. SILK PIECE GOODS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J.
Filed April 18, 1923. Serial No. 179,318. PUBLISHED JUNE 12, 1923.

178,013. MEDICINAL PREPARATIONS FOR COLDS AND CONSTIPATION. SAMUEL R. DIGHTON, Savannah, Ga.
Filed April 3, 1923. Serial No. 178,490. PUBLISHED JULY 10, 1923.

178,014. CANDIES. MARY FRASER CANDIES, INC., doing business as Mary Fraser Candy Studio, Los Angeles, Calif.
Filed April 19, 1923. Serial No. 179,366. PUBLISHED OCTOBER 16, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

178,015. (CLASS 39. CLOTHING.) HARRY M. KERLÉ, New York, N. Y. Filed Aug. 20, 1923. Serial No. 184,734.

Kerlé

Particular description of goods.—Ladies' Hats.
Claims use since Dec. 27, 1920.

178,016. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. WILKINS, doing business as Fig Dainties Co., San Leandro, Calif. Filed July 25, 1923. Serial No. 183,682.

Edna Langworthy's FIG DAINTIES

Particular description of goods.—Preserved Figs.
Claims use since Nov. 21, 1922.

178,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. H. BARBER & CO., Chicago, Ill., Plymouth and Dodgeville, Wis. Filed June 15, 1923. Serial No. 182,041.

LITTLE CREAMLET CHEESE

Particular description of goods.—Cheese.
Claims use since Oct. 1, 1900.

178,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed July 9, 1923. Serial No. 183,009.

Premium

Particular description of goods.—Dressed Poultry.
Claims use since Jan. 1, 1901.

178,019. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY INC., New Brighton, N. Y. Filed July 18, 1923. Serial No. 183,396.

CALCITE

Particular description of goods.—Calcimines in Dry Powder Form.
Claims use since Aug. 30, 1900.

178,020. [WITHDRAWN.]

178,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARK, BURKLE & CO., Memphis, Tenn. Filed Mar. 15, 1923. Serial No. 177,475.

EGG-A-DAY

Particular description of goods.—Poultry Feed.
Claims use since September, 1921.

178,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. PRIDE & CO., Bellingham, Wash. Filed May 12, 1923. Serial No. 180,551.

JUICY FRUIT

Particular description of goods.—Fruit Preserves.
Claims use since Jan. 2, 1921.

178,023. (CLASS 39. CLOTHING.) PEERLESS CORSET CO. INC., New York, N. Y. Filed June 4, 1923. Serial No. 181,537.

Peerless

Particular description of goods.—Corsets.
Claims use since Oct. 14, 1921.

178,024. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GRAHAM BROS. SOAP COMPANY, Chicago, Ill. Filed Nov. 17, 1922. Serial No. 172,153.

Graham's
ORIGINAL
Health and Beauty Soap

Particular description of goods.—Toilet Soap.
Claims use since Nov. 4, 1922.

178,025. (CLASS 32. FURNITURE AND UPHOLSTERY.) ED. ROOS COMPANY OF FOREST PARK, Forest Park, Ill. Filed Dec. 21, 1922. Serial No. 173,674.

FOREST PARK GUARANTEED CEDARPLY E·R·CO· ILLINOIS

Particular description of goods.—Cedar Chest.
Claims use since Nov. 19, 1922.

178,026. (CLASS 2. RECEPTACLES.) EVANS SELF SEALING CAN CO. INC., Tacoma, Wash. Filed Nov. 6, 1922. Serial No. 171,632.

SELF SEALING

Particular description of goods.—Tin Cans.
Claims use since May 19, 1922.

178,027. (CLASS 39. CLOTHING.) BLACHFORD SHOE MFG. CO., LIMITED, Toronto, Canada. Filed Aug. 14, 1922. Serial No. 168,196.

Archgrip

Particular description of goods.—Boots and Shoes.
Claims use since December, 1921.

178,028. (CLASS 39. CLOTHING.) GEORGE C. BATCHELLER & CO., New York, N. Y. Filed Aug. 28, 1922. Serial No. 168,747.

GLOVE-FITTING

Particular description of goods.—Corset Brassières, Bandeau Brassières, Elastic Girdles and Brassières.
Claims use since about Aug. 1, 1922.

178,029. (CLASS 39. CLOTHING.) AMERICAN NARROW FABRIC COMPANY, Worcester, Mass. Filed Oct. 6, 1922. Serial No. 170,347.



Particular description of goods.—Hose Supporters.
Claims use since Aug. 15, 1922.

178,030. (CLASS 39. CLOTHING.) SAM GOLDSTEIN, doing business as Rex Cap Company, Chicago, Ill. Filed July 3, 1922. Serial No. 166,450.

JOHN MACKENZIE LTD.
LONDON & MANCHESTER.

Particular description of goods.—Caps and Soft Hats for Men, Women, and Children.
Claims use since October, 1919.

178,031. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM G. DUNN, doing business as Dunn Manufacturing Company, Clarinda, Iowa. Filed Aug. 1, 1922. Serial No. 167,673.

PACK - RACK

Particular description of goods.—Luggage-Carrier Attachment for the Footboards of Automobiles.
Claims use since May 1, 1922.

178,032. (CLASS 2. RECEPTACLES.) FIBRE CONTAINER COMPANY, Philadelphia and Manayunk, Pa. Filed Aug. 11, 1922. Serial No. 168,108.

AL-FI-BR

Particular description of goods.—Shipping Drums and Containers.
Claims use since Jan. 13, 1922.

178,033. (CLASS 33. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MANHATTAN RUBBER MFG. CO., Passaic, N. J. Filed Mar. 17, 1922. Serial No. 160,826.

ALLWORK

Particular description of goods.—Machinery Belting, Composed of Rubber or Rubber and Fabric.
Claims use since about the month of April, 1919.

178,034. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed June 29, 1922. Serial No. 166,271.

SOCONY
FURNACE
OIL

Particular description of goods.—Oil for Heating Purposes.
Claims use since June 7, 1922.

178,035. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JEFF. L. COMEAUX, New Orleans, La. Filed Sept. 29, 1923. Serial No. 186,354.



Particular description of goods.—Automobile Top Dressing.
Claims use since May 7, 1921.

178,036. (CLASS 39. CLOTHING.) ELIZABETH P. JONES, INC., St. Louis, Mo. Filed Sept. 27, 1923. Serial No. 186,277.

Elizabeth P. Jones

Particular description of goods.—Children's, Ladies', and Misses' House and Street Dresses.
Claims use since Sept. 1, 1921.

178,037. (CLASS 39. CLOTHING.) THE BROADWAY NECKWEAR CO., New York, N. Y. Filed Sept. 29, 1923. Serial No. 186,346.

The Broadway

Particular description of goods.—Cravats.
Claims use since 1919.

178,038. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed Aug. 14, 1923. Serial No. 184,472.

"LongWear"

Particular description of goods.—Negligee Shirts, Ties; Men's, Women's, Boys', and Girls' Suits and Underwear of Knitted and Textile Fabrics.
Claims use since July 24, 1922.

178,039. (CLASS 12. CONSTRUCTION MATERIALS.) LEWIS MANUFACTURING CO., Bay City, Mich. Filed Aug. 16, 1923. Serial No. 184,558.

Lewis Homes

Particular description of goods.—Ready-Cut Houses and Lumber.
Claims use since Jan. 1, 1920.

178,040. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRY G. ZELLE, doing business as Staufer Laundry Supply Company, St. Louis, Mo. Filed Aug. 16, 1923. Serial No. 184,574.



Particular description of goods.—Laundry Tablets.
Claims use for not less than one year.

178,041. (CLASS 39. CLOTHING.) FAULTLESS NIGHTWEAR CORPORATION (E. ROSENFELD & CO.), Baltimore, Md. Filed Dec. 13, 1922. Serial No. 173,279.

"Fitzhugh"

Particular description of goods.—Textile Nightshirts, Nightgowns, and Pyjamas and Textile Underwear for Men, Women, and Children.
Claims use since Nov. 1, 1922.

178,042. (CLASS 39. CLOTHING.) HENRY CLAIR, Philadelphia, Pa. Filed Jan. 13, 1923. Serial No. 174,557.

PRINCETON

Particular description of goods.—Men's Dress and Negligee Shirts, Collars; Textile-Fabric Underwear, Pyjamas.
Claims use since Nov. 1, 1922.

178,043. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FRANK B. LOMAX, doing business as Frank B. Lomax Co., Chicago, Ill. Filed Apr. 30, 1923. Serial No. 179,943.

CHERRI-MYNT

Particular description of goods.—Nonintoxicating, Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup Used in the Preparation of the Same.
Claims use since Sept. 19, 1922.

178,044. (CLASS 15. OILS AND GREASES.) WASHINGTON ACCESSORIES CO., Washington, D. C. Filed Oct. 27, 1922. Serial No. 171,296.

OILZWELL

Particular description of goods.—Lubricating Oil.
Claims use since Sept. 30, 1922.

178,045. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ATLANTIC VARNISH WORKS, INC., Richmond, Va. Filed Nov. 25, 1922. Serial No. 172,503.

"ULTRA-BLAC"

Particular description of goods.—Varnish.
Claims use since 1911.

178,046. (CLASS 39. CLOTHING.) ROBERT H. NEWELL & CO. INC., Medina, N. Y. Filed Nov. 27, 1922. Serial No. 172,610.

Newell

Particular description of goods.—Dress Shirts, Tuxedo Shirts, Negligee Shirts, Sport Shirts, Nightshirts, Pyjamas, Bath Robes, Bath Slippers, Collars, Aprons, House Dresses, Middy Suits, Knit and Woven Underwear, Both Cotton, Silk, Linen, and Wool.
Claims use since January, 1918.

178,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE DUGDALE, and doing business also as Delane Brown, Baltimore, Md. Filed July 15, 1922. Serial No. 166,938.

REDSKIN BRAND

Particular description of goods.—Shelled Peanuts.
Claims use since Sept. 15, 1921.

178,048. (CLASS 12. CONSTRUCTION MATERIALS.) BUTTONLATH MANUFACTURING CO., Los Angeles, Calif. Filed Aug. 31, 1922. Serial No. 168,914.

PETERS

Particular description of goods.—Plaster Wall Board.
Claims use since on or about January, 1919.

178,049. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, New York, N. Y. Filed Sept. 18, 1922. Serial No. 169,583.

Little Jackette

Particular description of goods.—Children's Underwaists.
Claims use since Sept. 2, 1922.

178,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED RENDERING COMPANY, Boston, Mass. Filed Oct. 3, 1923. Serial No. 186,496.

THE EGGS PAY FOR IT

Particular description of goods.—Poultry Feed.
Claims use since July 1, 1913.

178,051. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Dec. 8, 1921. Serial No. 156,444.

ANTI-AQUA

Particular description of goods.—Paint Used for Dampproofing the Unexposed Surfaces of Brickwork and Stonework.
Claims use since January, 1906.

178,052. (CLASS 39. CLOTHING.) RAINBOW SHIRT CORP., New York, N. Y. Filed Feb. 24, 1922. Serial No. 159,768.

CLUB

WEAR

Particular description of goods.—Negligee Shirts.
Claims use since Jan. 1, 1922.

TRADE-MARK REGISTRATIONS RENEWED.

23,869. BRANDY. Registered November 28, 1893, to GEO. SAYER & CO., Cognac, France. Renewed November 28, 1923.

23,883. OIL OF ROSES. Registered November 28, 1893, to GEORGE LUEDERS. Renewed November 28, 1923, to George Lueders & Co., New York, N. Y., assignee.

23,886. STOVES AND RANGES. Registered November 28, 1893, to THE FAVORITE STOVE AND RANGE COMPANY. Renewed November 28, 1923, to Favorite Stove & Range Co., Piqua, Ohio, assignee.

24,013. REMEDIES FOR THROAT DISEASES. Registered January 9, 1894, to APOTH. STREHLER & CO., Munich, Germany. Renewed January 9, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,093. MEDICINAL AGENTS FOR USE IN NERVOUS DISEASES AS A FEBRIFUGE AND SOPORIFIC. Registerd January 23, 1894, to THE FIRM OF E. MERCK, Darmstadt, Germany. Renewed January 23, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,188. ANTISEPTICS. Registered February 6, 1894, to CHEMISCHE FABRIK AUF ACTIEN, VORMALS E. SCHERING, Berlin, Germany. Renewed February 6, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,357. A MEDICAL COMPOUND FOR THE CURE OF NEURALGIC AND RHEUMATIC COMPLAINTS. Registered March 13, 1894, to DAHL & COMPANY, Barmen, Germany. Renewed March 13, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,418. CHEMICAL AND PHARMACEUTICAL PREPARATIONS. Rgistered March 27, 1894, to ACTIEN GESELLSCHAFT FUR ANILIN FABRIKATION, Berlin, Germany. Renewed March 27, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,562. BRACES, BOLTS, NAILS, SCREWS, WASHERS, FASTENINGS, AND SIMILAR ARTICLES OF BUILDERS' HARDWARE. Registered April 17, 1894, to THE STANLEY WORKS, New Britain, Conn. Renewed April 17, 1924.

24,620. CONFECTIONERY. Registered May 1, 1894, to CALLARD & BOWSER. Renewed May 1, 1924, to Callard & Bowser, Ltd., London, England, assignee.

24,643. LACTYL DERIVATIVES OF PARAPHENETIDIN. Registered May 1, 1894, to C. F. BOEHRINGER & SOHNE, Waldhof, near Mannheim, Germany. Renewed May 1, 1924, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

24,805. STEEL, IRON, AND COPPER WIRE. Registered May 29, 1894, to WASHBURN & MOEN MANFG. COMPANY, Worcester, Mass. Renewed May 29, 1924, to The American Steel & Wire Company of New Jersey, Cleveland, Ohio, assignee.

LABELS

REGISTERED JANUARY 1, 1924.

26,735.—*Title:* IRIDIO. For a Proprietary Medicine for Physicians' Prescriptions, Alterative and Systemic. WM. D. P. AIMS, Philadelphia, Pa. Published November 10, 1923.

26,736.—*Title:* ARKWRIGHT TRACING CLOTH. For Tracing Cloth. ARKWRIGHT FINISHING COMPANY, Providence, R. I. Published October 19, 1923.

26,737.—*Title:* MISS CALIFORNIA BEAUTIFIER. For Face Paste or Powder. WALLACE B. BLAKELEY & CO., Los Angeles, Calif. Published October 11, 1923.

26,738.—*Title:* ROOFING IS WATERPROOFING. For Shingles, Roofing Material, and Roofing-Material Supplies. CHICAGO WATERPROOFING CO., Chicago, Ill. Published June 14, 1923.

26,739.—*Title:* MASHED POTATOES. For Mashed Potatoes. CORTICELLI AND GAYBRANT, Newark, N. J. Published October 4, 1923.

26,740.—*Title:* AMERICAN BEAUTY CLAY. For Facial Massage Clay. LEO W. COTTRELL, Missoula, Mont. Published September 2, 1923.

26,741.—*Title:* GRAINOL SUN BRAND. For Denatured Alcohol. CRAGIN PRODUCTS CO., Chicago, Ill. Published October 30, 1923.

26,742.—*Title:* FARMER'S UNION FRUIT DEPARTMENT. For Apple Boxes. FARMERS EDUCATIONAL AND CO-OPERATIVE UNION OF AMERICA, DIVISION OF WASH. AND N. IDAHO, Spokane, Wash. Published September 17, 1923.

26,743.—*Title:* GEM "QUICK AS A WINK." For a Polish for Glass, Metal, White Shoes, Enamel, and Woodwork. THE GEM POLISH MANUFACTURING COMPANY, Indianapolis, Ind. Published September 20, 1923.

26,744.—*Title:* GOODYEAR'S GOLD MEDAL SELF VULCANIZING TUBE REPAIR CEMENT TEST-THE-TENSILE. For Use in a Tube-Repair Kit as a Cleaner. GOODYEAR RUBBER COMPANY, Wilkes-Barre, Pa. Published July 1, 1923.

26,745.—*Title:* OPEN TRAIL. For Plums. JOE GREEN ESTATE, Courtland, Calif. Published September 12, 1923.

26,746.—*Title:* HUMDINGER. For Cakes and Cookies. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky., and Milwaukee, Wis. Published September 6, 1923.

26,747.—*Title:* "TUCKY HOME SPICE CAKE. For Cake. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky., and Milwaukee, Wis. Published September 20, 1923.

26,748.—*Title:* HI-KLASS. For Mixed Vegetables for Soup. O. A. HARTLOVE, doing business as Hartlove Packing Co., Baltimore, Md. Published July 31, 1923.

26,749.—*Title:* HELMHOLZ SHOES MILWAUKEE. For Shoes. HELMHOLZ SHOE MANUFACTURING COMPANY, Cudahy, Wis. Published July 14, 1923.

26,750.—*Title:* STAR BRAND PURE COPPER RADIO ANTENNAE WIRE. For Radio Wire. U. T. HUNGERFORD BRASS AND COPPER CO., New York, N. Y. Published August 31, 1923.

26,751.—*Title:* BLEACHO STRAW HAT CLEANER. For a Powder for Cleaning Straw Hats. JOSEPH HENRY KARP, New York, N. Y. Published January 2, 1923.

26,752.—*Title:* KO-Z-FOOT. For a Corn Cure. LEWIS LEWIS, Ward, W. Va. Published August 7, 1923.

26,753.—*Title:* RED HEAD. For Canned Tomatoes. MCKEON CANNING CO., Los Angeles and Burbank, Calif. Published September 5, 1923.

26,754.—*Title:* MAR-VEL-O. For Beauty Paste. MAR-VEL-O COMPANY, Kinston, N. C. Published July 14, 1923.

26,755.—*Title:* MAYFLOWER. For Tapering Candles. F. MARTY & CO., Syracuse, N. Y. Published October 29, 1923.

26,756.—*Title:* MAGIC WASHING WATER. For Crystalline and Javelle Water. ABRAHAM MICHAELS, doing business as Amic Specialty Works, New York, N. Y. Published September 15, 1923.

26,757.—*Title:* COUNTRY CLUB BREAD. For Bread. MOQUIN'S BAKERY, INC., Burlington, Vt. Published September 4, 1923.

26,758.—*Title:* SILENT SALESMAN. For Vending Machines. JOHN MORRIS, Dayton, Ohio. Published October 11, 1923.

26,759.—*Title:* KHAKI COAT. For a Coating Preparation for Khaki Automobile Tops and other Light Materials. NEWPORT & WHITE COMPANY, Miami, Okla. Published October 8, 1923.

26,760.—*Title:* NORTH POLE. For Chocolate Containers for Dispensing Ice Cream and other Substances Pertaining to Confections. NORTH POLE PRODUCTS COMPANY, Portland, Oreg. Published October 26, 1923.

26,761.—*Title:* NULUSTA SILVER POLISH. For Silver Polish. NULUSTA COMPANY, Baltimore, Md. Published November 3, 1923.

26,762.—*Title:* NULUSTA NICKEL POLISH. For Nickel Polish. NULUSTA COMPANY, Baltimore, Md. Published November 3, 1923.

26,763.—*Title:* NULUSTA BRASS POLISH. For Brass Polish. NULUSTA COMPANY, Baltimore, Md. Published November 3, 1923.

26,764.—*Title:* NEVER A KICK ON KANGAROO ROOFING & SHINGLES. For Roofing and Shingles. WILLIAM N. PARRISH, doing business as Lexington Mercantile Co., Lexington, Ky. Published August 29, 1923.

26,765.—*Title:* GOLDEN HEART BRAND. For Canned Grapefruit. SANTONI FRUIT & PACKING CORPORATION, New York, N. Y. Published October 18, 1923.

26,766.—*Title:* "U" CAN SOLDER. For Soft Solder. SERVICE PRODUCTS COMPANY, Cleveland, Ohio. Published July 9, 1923.

26,767.—*Title:* JUST TRY ME. For Candy and Confectionery. GEORGE SHEOPOOLOS, doing business as Universal Candy Co., Chicago, Ill. Published October 24, 1923.

26,768.—*Title:* ROSEBUD. For Candy and Confectionery. GEORGE SHEOPOOLOS, doing business as Universal Candy Co., Chicago, Ill. Published October 24, 1923.

26,769.—*Title:* MARIE'S DAINTIES. For Candy and Confectionery. GEORGE SHEOPOOLOS, doing business as Universal Candy Co., Chicago, Ill. Published October 27, 1923.

26,770.—*Title:* UNITED STATES DRY. For Ginger Ale. STANDARD BEVERAGE CORPORATION, Chicago, Ill. Published November 16, 1923.

26,771.—*Title:* THE MASTER GAUGE. For Pneumatic-Tire Tubes and Valves Therefor. VISIBLE GAUGE-VALVE CORPORATION, New York, N. Y. Published November 13, 1923.

26,772.—*Title:* POLL PARROT SWING. For a Child's Swing. WHITE MOP WRINGER COMPANY, Futonville, N. Y. Published August 1, 1923.

26,773.—CALIFORNIA SPECIAL. For Fruit Candy, Chocolate Coated. W. G. WISE FRUIT CHOCOLATE COMPANY, Oakland, Calif. Published October 1, 1923.

PRINTS

REGISTERED JANUARY 1, 1924.

7,111.—*Title:* HIGHTONE KUT IV IN THE TWILYTE-RA LENZEZ. For Spectacle, Eyeglass, and Colored Lenses. WM. B. GEORGIA, Waco, Tex. Published October 26, 1923.

7,112.—*Title:* NATIONAL ZWIEBACK. For Zwieback. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Published October 1, 1923.

7,113.—*Title:* DOES MORE THAN SOAP. For a Soap Known as "Chex." THE PIONEER PRODUCTS CO., Dayton, Ohio. Published July 27, 1923.

7,114.—*Title:* THE LEATHER THAT QUALIFIES. For Leather. ALBERT O. TROSTEL, Milwaukee, Wis. Published September 8, 1923.

7,115.—*Title:* HOLDS THE MAIN KEY SEPARATE FROM THE REST. For Key-Carrying Chains. B. URICH, doing business as B. URICH COMPANY, Milwaukee, Wis. Published March 1, 1923.

7,116.—*Title:* PURITY AND DELICIOUSNESS. For Carbonated Beverages. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

7,117.—*Title:* HEALTH AND HAPPINESS. For Ice Cream. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

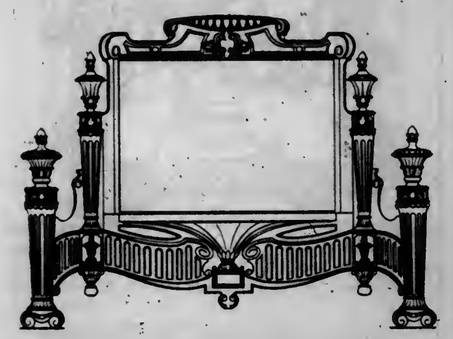
7,118.—*Title:* CLOVERDALE. For Dairy Products—Namely, Milk and Cream. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

7,119.—*Title:* CLEAR AS A BELL. For Phonographs. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

DESIGNS

JANUARY 1, 1924.

63,675. GAS HEATER. JULIUS FERDINAND ADAMS, Pittsburgh, Pa. Filed Sept. 19, 1923. Serial No. 7,270. Term of patent 3½ years.



The ornamental design for a gas heater as shown.

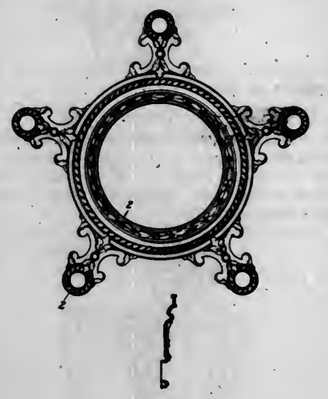
63,676. [WITHDRAWN.]

63,677. BRACELET BUCKLE. AXEL GEORGE EKLUND, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1922. Serial No. 4,011. Term of patent 3½ years.



The ornamental design for a bracelet-buckle, as shown.

63,678. BODY CENTER FOR AN ELECTRIC-LIGHT FIXTURE. HENRY A. FRAMBURG, Chicago, Ill., assignor to H. A. Framburg & Company, Chicago, Ill. Filed Aug. 21, 1923. Serial No. 7,046. Term of patent 7 years.



The ornamental design for a body center for an electric light fixture, as shown.

63,679. BACKPLATE FOR AN ELECTRIC-LIGHT BRACKET. HENRY A. FRAMBURG, Chicago, Ill., assignor to H. A. Framburg & Company, Chicago, Ill. Filed Aug. 21, 1923. Serial No. 7,047. Term of patent 7 years.



The ornamental design for a backplate for an electric light bracket as shown.

63,680. BACKPLATE FOR AN ELECTRIC-LIGHT BRACKET. HENRY A. FRAMBURG, Chicago, Ill., assignor to H. A. Framburg & Company, Chicago, Ill. Filed Aug. 21, 1923. Serial No. 7,048. Term of patent 7 years.



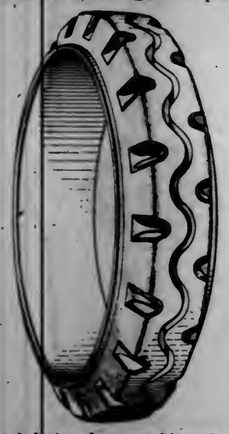
The ornamental design for a backplate for an electric light bracket as shown.

63,681. BACKPLATE FOR AN ELECTRIC-LIGHT BRACKET. HENRY A. FRAMBURG, Chicago, Ill., assignor to H. A. Framburg & Company, Chicago, Ill. Filed Aug. 21, 1923. Serial No. 7,049. Term of patent 7 years.



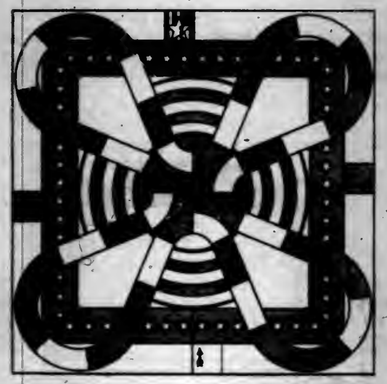
The ornamental design for a back plate for an electric light bracket as shown.

63,682. CUSHION TIRE. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 12, 1922. Serial No. 3,362. Term of patent 14 years.



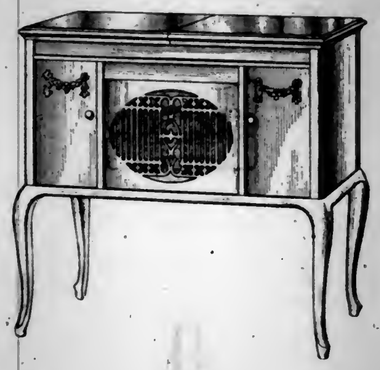
The ornamental design for a cushion tire as shown.

63,683. GAME BOARD. JACK GERBERHOLTZ, Brooklyn, N. Y. Filed July 12, 1923. Serial No. 6,761. Term of patent 3½ years.



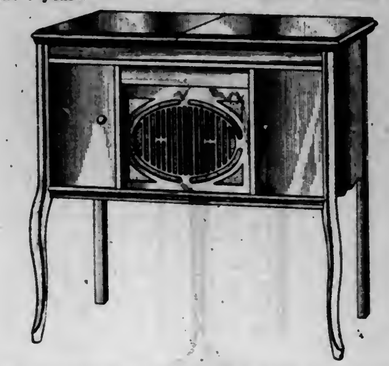
The ornamental design for a game board, as shown and described.

63,684. PHONOGRAPH CABINET. CICERO HINE, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 12, 1923. Serial No. 7,480. Term of patent 7 years.



The ornamental design for a phonograph cabinet as shown.

63,685. PHONOGRAPH CABINET. CICERO HINE, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 12, 1923. Serial No. 7,481. Term of patent 7 years.

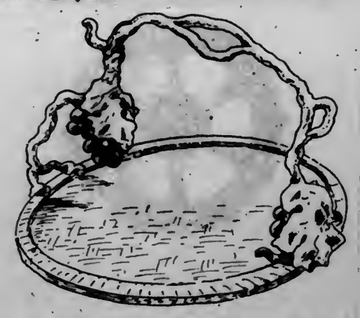


The ornamental design for a phonograph cabinet as shown.

63686. PHONOGRAPH CABINET. CICERO HINE, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 12, 1923. Serial No. 7,482. Term of patent 7 years.

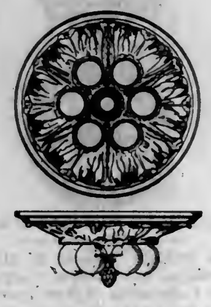
The ornamental design for a phonograph cabinet as shown.

63,687. BASKET. MARTIN F. HRUBANIK Alameda, Calif. Filed July 14, 1922. Serial No. 3,084. Term of patent 14 years.



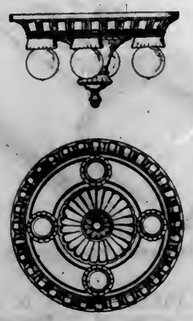
The ornamental design for a basket as shown.

63,688. LIGHTING FIXTURE. WILLIAM J. MEIXNER, Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 6,954. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

63,689. LIGHTING FIXTURE. WILLIAM J. MEIXNER, Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 6,955. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

63,690. LIGHTING FIXTURE. WILLIAM J. MEIXNER, Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 6,956. Term of patent 3½ years.



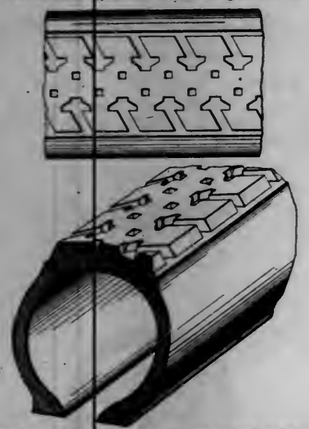
The ornamental design for a lighting fixture, as shown.

63,691. LIGHTING FIXTURE. WILLIAM J. MEIXNER, Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Filed Aug. 6, 1923. Serial No. 6,957. Term of patent 3½ years.



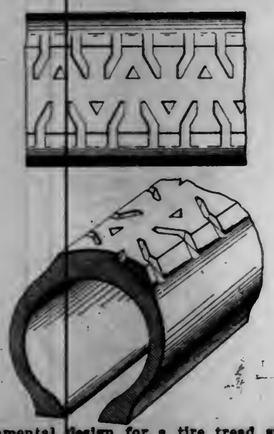
The ornamental design for a lighting fixture, as shown.

63,692. TIRE TREAD. HAROLD D. MITCHELL, Brooklyn, N. Y., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 7, 1923. Serial No. 7,713. Term of patent 14 years.



The ornamental design for a tire tread substantially as shown.

63,693. TIRE TREAD. HAROLD D. MITCHELL, Brooklyn, N. Y., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y., a Corporation of New York, Filed Nov. 7, 1923. Serial No. 7,714. Term of patent 14 years.



The ornamental design for a tire tread substantially as shown.

63,694. SPOON OR SIMILAR ARTICLE. WILLIAM F. MOWRY, Wallingford, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Sept. 17, 1923. Serial No. 7,226. Term of patent 7 years.



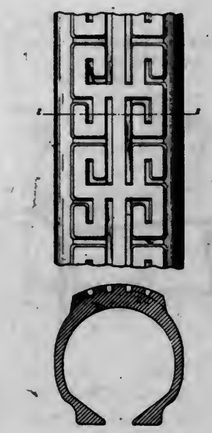
The ornamental design for a spoon or similar article, as shown.

63,695. RING BODY FOR A LAMP FIXTURE. ALBERT J. D. OHM, Astoria, N. Y., assignor to Max Schaffer Company. Filed July 23, 1923. Serial No. 6,824. Term of patent 3½ years.



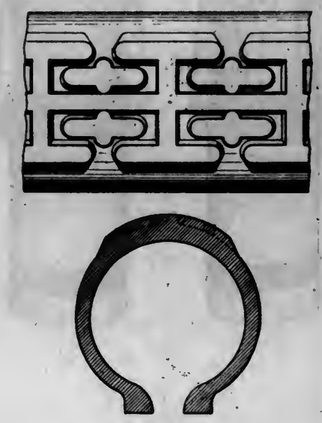
The ornamental design for a ring body for a lamp fixture as shown.

63,696. PNEUMATIC TIRE. VICTOR A. PARKER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 1, 1922. Serial No. 2,494. Term of patent 14 years.



The ornamental design for a pneumatic tire as shown.

63,697. TIRE. CARL PHARIS, Newark, Ohio, assignor to The Pharis Tire and Rubber Co., Newark, Ohio, a Corporation of Ohio. Filed Oct. 16, 1922. Serial No. 3,987. Term of patent 14 years.



The ornamental design for a tire, as shown.

63,698. TIRE TREAD. RALPH W. REINHART, Sandusky, Ohio. Filed Apr. 18, 1922. Serial No. 1,829. Term of patent 14 years.



The ornamental design for a tire tread as shown.

63,699. FINGER RING. HENRY RUFEISEN, Newark, N. J. Filed June 16, 1923. Serial No. 6,517. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

63,700. CHANDELIER. EDWARD L. SILVERMAN, New York, N. Y., assignor to London Lightingwares Corporation, a Corporation of New York. Filed Mar. 6, 1923. Serial No. 5,374. Term of patent 7 years.



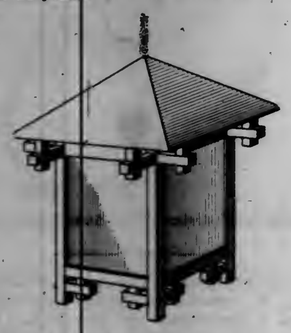
The ornamental design for a chandelier as shown.

63,701. CEILING LIGHT. EDWARD L. SILVERMAN, New York, N. Y., assignor to London Lightingwares Corporation, a Corporation of New York. Filed Mar. 6, 1923. Serial No. 5,375. Term of patent 7 years.



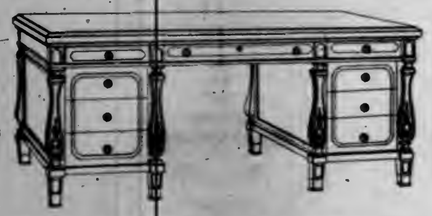
The ornamental design for a ceiling light, as shown.

63,702. LAMP. CHARLES W. SINKINS, Lake Mahopac, N. Y. Filed July 18, 1923. Serial No. 6,799. Term of patent 14 years.



The ornamental design for a lamp, as shown and described.

63,703. DESK. ALFRED HORNER STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 20, 1923. Serial No. 4,942. Term of patent 7 years.



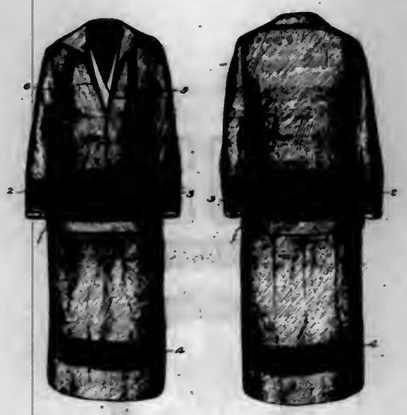
The ornamental design for a desk, as shown.

63,704. CHAIR. ALFRED HORNER STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 20, 1923. Serial No. 4,945. Term of patent 7 years.



The ornamental design for a chair, as shown.

63,705. DRESS. EDWIN E. WOLF, New York, N. Y., assignor to Colony Club Frocks, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1923. Serial No. 7,696. Term of patent 3½ years.

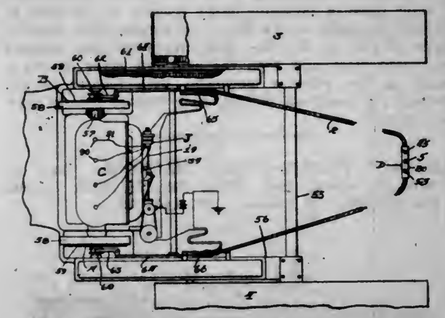


The ornamental design for a dress, substantially as shown and described.

PATENTS

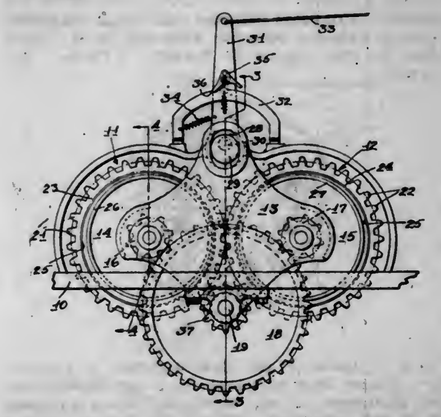
GRANTED JANUARY 1, 1924.

1,478,996. CONTROL MECHANISM FOR OPERATING VEHICLES. DAVID F. GEIGER, Los Angeles, Calif., assignor of one-third to Arthur D. Cole, Minneapolis, Minn. Filed Feb. 12, 1918, Serial No. 216,725. Renewed Apr. 30, 1923. 9 Claims. (Cl. 180—77.)



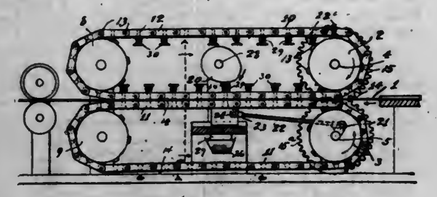
1. In combination with a self propelled vehicle having an internal combustion engine prime mover, traction wheels driven by said prime mover, a flexible line actuated control for operatively effecting the connection between said prime mover and said traction wheels, electrically actuated means for controlling the gas admitted to regulate the speed and operation of said prime mover and means carried by said line for manipulating the operation of said electrically actuated means.

1,478,997. POWER TRANSMITTER AND OPERATING MECHANISM THEREFOR. DAVID FRANKLIN GEIGER, Los Angeles, Calif. Filed May 14, 1921, Serial No. 469,417. Renewed May 22, 1923. 9 Claims. (Cl. 74—26.)



1. In a device of the class described, a pair of intermeshing wheels, a second pair of wheels including a companion wheel for each intermeshing wheel, an internal friction surface on each wheel of one pair, an external friction surface on each wheel of the other pair, a tiltable support upon which said second pair of wheels is journaled, means for tilting said support to severally engage the friction surfaces of second pair of wheels with the friction surfaces of the other pair, power connections associated with said pairs of wheels, said support tilting means including a cam and a lever associated therewith, together with a line and a retracting device operating upon said lever to shift the same in opposite directions.

1,478,998. DESIGN-CUTTING MACHINE. WILLIAM R. HOWARD and WILLIAM H. GREGG, Chicago, Ill., assignors to The Flintkote Company, a Corporation of Massachusetts. Filed Oct. 27, 1919. Serial No. 333,576. 4 Claims. (Cl. 164—89.)



1. In a design cutting machine of the character described, the combination with two endless gripping chains arranged to firmly grip material and guide it continuously through the machine, of male and female die members fixed to chain links for perforating the material, means for actuating said die members at given and predetermined intervals, a reciprocating block operating beneath die members and furnishing solid base for die members during perforating operations.

1,478,999. HOG HOLDER. NELS H. JOHNSON, Dayton, Iowa. Filed Mar. 12, 1923. Serial No. 624,505. 1 Claim. (Cl. 119—153.)



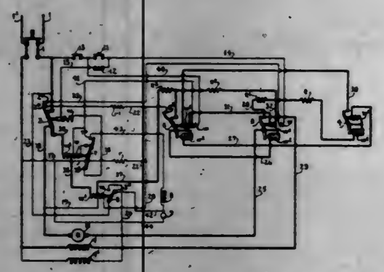
An animal holding device comprising a tubular member having an opening in one end thereof, a toothed bar slidable through the opening of the tubular member, a flexible element formed with a loop intermediate its ends and having one end attached to one end of the tubular member and its opposite end attached to the bar, a sleeve extending laterally from the tubular member at one end thereof, a cap removably engaged on the sleeve, a plunger slidably mounted in the sleeve and adapted to move into the tubular member, and having its inner end bifurcated and slidably embracing the bar and normally holding the latter in a position where one of the teeth will engage one of the walls of the opening.

1,479,000. TENDON BANDAGE BOOT. JAMES D. KELLER, Detroit, Mich. Filed Oct. 26, 1921. Serial No. 510,630. 1 Claim. (Cl. 54—82.)



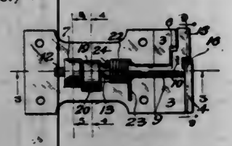
A bandage-boot adapted to extend substantially twice around a limb, one half of the bandage-boot being of two thicknesses of soft flexible material with a cushion between them adapted to extend entirely around the limb, the longitudinal edges of said soft materials being sewed together to prevent the cushion from shifting, the inner thickness being perforated for ventilation, said inner half of the bandage-boot being formed with a downwardly extending pad.

1,479,001. MOTOR CONTROLLER. RALPH G. LOCKETT, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 30, 1922. Serial No. 532,605. 13 Claims. (Cl. 172—179.)



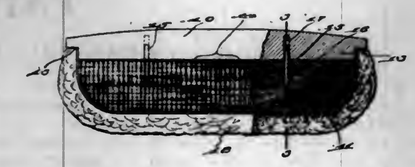
2. In a dynamic braking controller for a motor having a shunt field, in combination, an electro-responsive switch for controlling the shunt field strength of the motor, said switch having an energizing winding designed for relatively low voltage and connections subjecting the same to the E. M. F. of the motor, protective resistance included in circuit with said winding and means for excluding said resistance from the circuit of said winding as the motor is slowed down.

1,479,002. SASH HOLDER FOR RAILROAD-CAR WINDOWS. CYRUS H. LOUTREL, South Orange, N. J., assignor to The National Lock Washer Company, Newark, N. J., a Corporation of New Jersey. Filed Nov. 25, 1922. Serial No. 603,368. 5 Claims. (Cl. 292—228.)



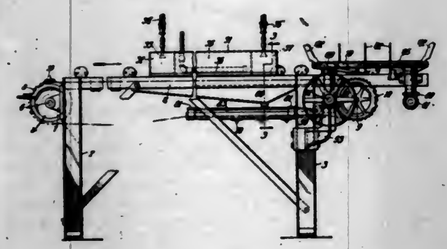
3. A device of the character described, comprising a plate having spaced perforated ears, a rock-shaft journaled within said ears, and a locking lug carried by said shaft intermediate its journals and having its outer portion offset so as to lie in a plane coincident with that of the adjacent journal.

1,479,003. SHOE-POLISHING BRUSH. CLEMENT S. MCPHEE, Newton, Mass. Filed June 23, 1922. Serial No. 570,436. 1 Claim. (Cl. 15—235.)



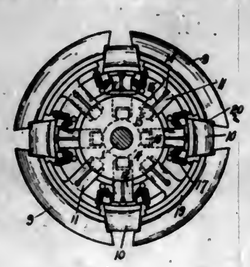
A polisher comprising a backing block constituting a hand piece, a polishing layer secured at its ends to the end portions of the block, an intermediate yielding layer of felt or the like, and steadying pins engaged with said block and with the said felt layer having a range of free endwise movement with respect to one thereof and anchored in the other thereof for the purpose stated.

1,479,004. TOMATO-CORING MACHINE. IVAN C. MORGAN, Austin, Ind. Filed Feb. 28, 1923. Serial No. 621,706. 50 Claims. (Cl. 146—52.)



1. In a machine of the class described, a traveling carrier, holders on said carrier adapted to receive the articles to be cored, said holders comprising coring means for coring the articles thereon, and means for actuating said holders.

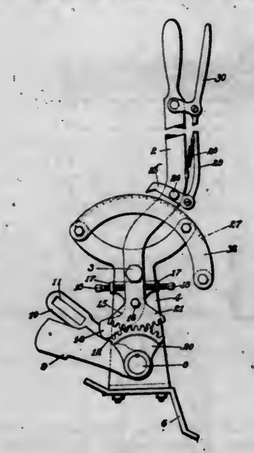
1,479,005. HOLDING MEANS FOR TIRE CASINGS. GEORGE CHESTER PEARSON, Rochester, N. Y. Filed July 29, 1920. Serial No. 399,830. 3 Claims. (Cl. 154—9.)



1. In a device of the class described, a shaft, a wheel member fixed to the shaft, a cam mounted for axial movements on the shaft and having adjoining conical and cylindrical surfaces, rim sections carried by the wheel member for radial movements and each having bearing contact at its inner side with the cam, with the bearing contact of one set of rim sections axially spaced from the bearing contact of the other

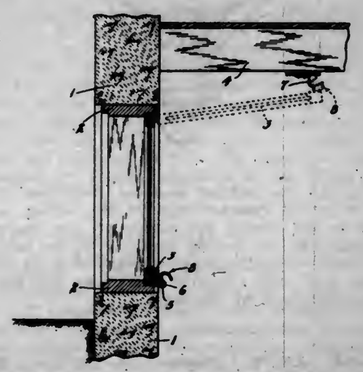
set of rim sections with the cam whereby an axial movement of the cam in one direction will force the rim sections outwardly a uniform extent during a portion of the movement and will then move one set of sections outward relative to the other to bring the sections into circumferential register, and vice versa, and means urging an inward collapsing of the sections.

1,479,006. AUTOMOBILE CONTROLLING APPARATUS. FRANK G. PECK, Lewiston, Me. Filed Dec. 8, 1920. Serial No. 429,054. 5 Claims. (Cl. 74—39.)



1. A hand controlling apparatus for automobiles, comprising, in combination, a hand lever, independent members for operating the clutch and brake pedals, a cam arranged to be moved by said lever for operating said clutch pedal operating member, a shaft connected with said lever to be rocked thereby, and a lost motion between said rock shaft and said brake pedal operating member for operating the latter after the clutch pedal has been operated.

1,479,007. FASTENING DEVICE FOR SWINGING WINDOWS AND DOORS. ARNT B. PEDERSEN, Minneapolis, Minn. Filed Aug. 31, 1921. Serial No. 497,187. 5 Claims. (Cl. 292—80.)



1. The combination with a swinging door or window and the frame thereof, of a pair of retainers, one of which is adapted to be secured to the upper surface of the bottom member of said frame to project therefrom and having a looking means thereon, the other retainer being adapted to be attached to the side of a window adjacent the bottom edge thereof and having an outwardly and downwardly projecting portion adapted to be engaged and locked by said locking means and having an upwardly and outwardly curved portion forming a finger hold or releasing said locking means and retainer and also constituting a resilient latch for engaging a stationary retainer to hold the door or window in open position.

1,479,008. WATCH AND COMPASS HOLDER FOR BELTS. TIMOTHY B. POWERS, Brooklyn, N. Y. Filed May 25, 1922. Serial No. 563,604. 12 Claims. (Cl. 224—4.)



1. A device of the character set forth, the combination of an annular frame, a pair of journal members at remote portions on the frame, in which the apertures extend toward each other, said apertures lying in the same plane perpendicular to the base plane, and a holder member in the form of a bail member of spring wire in which the end portions are bent backwardly parallel to form a loop on each side with the extremities bent inwardly each toward the other, said extremities being located in said journal portions under spring tension of the bail member, whereby the bail member will be normally yieldably retained in the plane of the base with the loop members above the same to form a holder for belt attachment, and means on the base for removaby holding a watch or similar article.

1,479,009. PUFF-HOLDING DEVICE FOR VANITY BOXES. PHILIP A. REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 27, 1923. Serial No. 627,974. 7 Claims. (Cl. 132—82.)

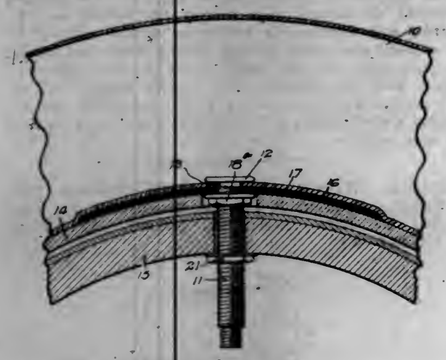


1. In a powder box, the combination of a cometic holding compartment, a cover associated therewith, a cosmetic retainer secured in the compartment, and a resilient puff retaining member projecting above a cosmetic held in the retainer and put under tension by the insertion of a puff therebeneath so that it holds the puff in position over the cosmetic.

1,479,010. VALVE PAD FOR PNEUMATIC TIRES. NATHAN F. RICE, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,761. 5 Claims. (Cl. 152—13.)

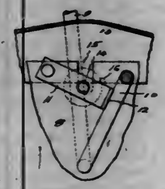
5. A pneumatic tube having an opening therethrough, a valve stem passing through said opening, and a pad for preventing injury to said tube adjacent said stem, said pad comprising a body of flexible yielding material, and a layer of woven metal embedded in said body, said

layer of woven metal having an opening through which said valve stem extends, said valve stem being pro-



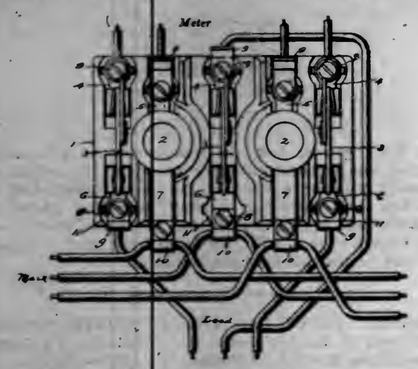
vided with clamping members embracing the pad and the portion of the tube through which the valve stem extends.

1,479,011. LOCKING MEANS FOR INCLOSED ELECTRIC SWITCHES. JOSEPH SACHS, Hartford, Conn. Filed Feb. 2, 1922. Serial No. 533,733. 13 Claims. (Cl. 200—42.)



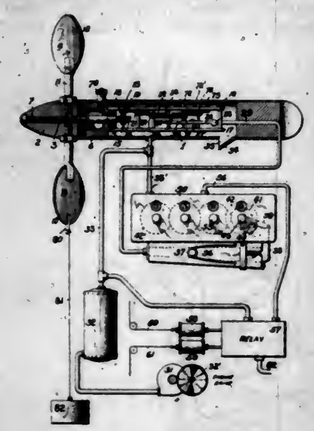
13. An inclosed switch having external operating means, and means adapted to prevent the complete shutting of the closure unless said means is in position to limit the movement of the operating means.

1,479,012. ELECTRICAL CONNECTION MEANS. JOSEPH SACHS, Hartford, Conn. Filed July 29, 1922. Serial No. 578,340. 6 Claims. (Cl. 175—369.)



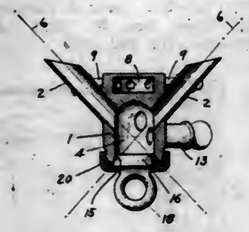
1. A branch block having conducting paths with terminals provided with wire attaching means, said wire attaching means at one end of the paths extending beyond the edge of the block and positioned at different levels, whereby circuit wires may be readily looped to said attaching means and those of different polarity suitably separated without excessive bending of the wires.

1,479,013. DISTANCE-MEASURING INSTRUMENT FOR AIRCRAFT. LAWRENCE B. SPERRY, Farmingdale, N. Y. Filed May 5, 1921. Serial No. 467,158. 10 Claims. (Cl. 244—1.)



1. In an air distance measuring instrument, the combination with a casing, a part rotated by the wind, reduction gearing actuated thereby, means for maintaining a pressure differential within said casing, a normally closed connection leading out of said casing, and quick action means for opening said connection actuated by said gearing.

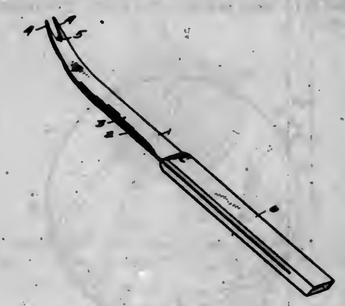
1,479,014. CLAW FOR MILKING MACHINES. JACOB J. STAMPEN, Chicago, Ill., assignor to Pine Tree Milking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1921. Serial No. 491,334. 4 Claims. (Cl. 31—99.)



1. A claw for milking machines comprising a body with a central chamber open at the bottom, a plug seated in and closing the bottom of said chamber, a retaining ring for holding the plug to its seat, said ring having securing engagement solely with the exterior of the body, and operative connections for the claw carried exclusively by the body.

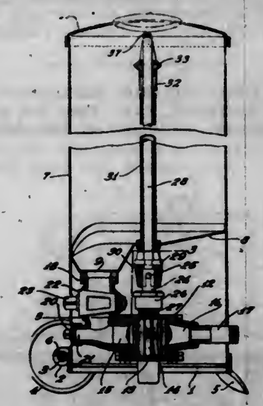
1,479,015. KNIFE. GERTRUDE A. STEINMAN, Toledo, Ohio. Filed Dec. 22, 1921. Serial No. 524,050. 1 Claim. (Cl. 146—3.)

In a fruit knife, a blade, the outer end portion of the blade being curved cylindrically away from the bottom portion of the blade, the cutting edge of the blade being formed by a sloping surface formed on the concave side



of the blade towards the edge of the blade, prongs formed on the end of the blade and having a U-shaped crotch between the prongs, the crotch having a cutting edge.

1,479,016. APPARATUS FOR CLEANING AND FILLING THE TRANSMISSIONS AND DIFFERENTIALS OF MOTOR VEHICLES. CHARLES H. TESTS, Union, N. J. Filed May 24, 1921, Serial No. 472,161. Renewed Nov. 8, 1923. 9 Claims. (Cl. 221—102.)

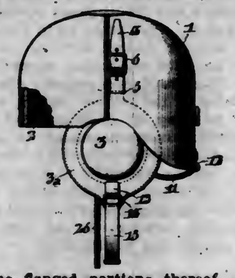


1. An apparatus of the character described embodying a reservoir, a pump, a valved duct leading from the reservoir to the inlet side of the pump, a second duct leading away from the inlet side of the pump, means for sealing said second duct, a discharge duct leading from the outlet side of the pump, and means for operating the pump in either direction to pump lubricant from the reservoir through the discharge duct or to pump fluid through the discharge duct to the pump and through said second duct leading from the inlet side of the pump.

1,479,017. TELEPHONE HEAD SET. JOHN S. TIMMONS, New York, N. Y. Filed Oct. 4, 1918. Serial No. 256,867. 7 Claims. (Cl. 179—156.)

1. A telephone head set consisting of a helmet, combined with separate ear pieces loosely connected to the helmet with capacity for vertical and free lateral adjustment relative thereto and containing receivers, and an adjustable chin strap connected with the lower portions of the ear pieces for holding the helmet in position and the ear pieces close to the ears and in which further the ear pieces are shaped to provide flanged pockets for reception of the telephone receivers and having flanges

fitting yieldingly about the ears by their own resiliency and also having annular padding secured to the inner



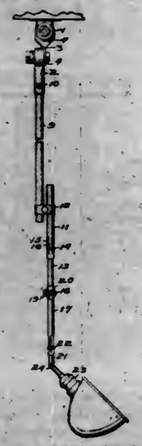
surfaces of the flanged portions thereof, said annular padding being outside of and independent of the flexible flanges.

1,479,018. PAPER BOX. HAROLD RAYMOND WARREN, Boston, Mass., assignor to P. R. Warren Company, Everett, Mass., a Corporation of Massachusetts. Filed Apr. 15, 1921. Serial No. 461,624. 7 Claims. (Cl. 206—44.)



1. A display box or container made from a single folded blank comprising a plurality of panels and including three alined panels which form the bottom and one wall of the box, said blank having, in connection with one of said last named panels, a portion constituting a display card adapted, when the box is set up, to project from said wall, the entire exposed surface of said box, including the display face of said display card portion, being upon the reverse side of said blank from that forming the inside of the box.

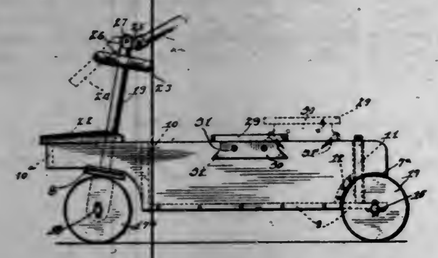
1,479,019. LAMP BRACKET. DAVID W. WILSON, Toledo, Ohio. Filed Nov. 28, 1921. Serial No. 518,279. 2 Claims. (Cl. 248—8.)



1. In a lamp bracket, a pair of telescoping members, one of the members having a plurality of slots closed at both ends and located near one end of the member and

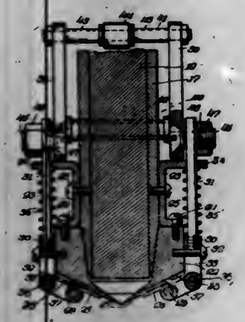
forming flexible portions between the slots, a split elastic ring surrounding the last named member and slidable along the member and the portions between the slots of the member and so constructed as to force the said portions of the member located between the slots against the other of the said telescoping members by the elasticity of the ring itself and pressing the said portions against the inner of the said telescoping members by the elasticity of the ring to yieldingly and adjustably secure the telescoping members relative to each other when the elastic ring is located over the central parts of the said portions between the slots and to receive the said portions and disconnect the telescoping members from each other when the elastic ring is moved along the outer of the telescoping members to the ends of the slots, whereby the elastic ring is distended.

1,479,020. TOY VEHICLE. HENRY ZIEMSS, Jr., Chicago, Ill. Filed May 24, 1920. Serial No. 383,621. 8 Claims. (Cl. 280—165.)



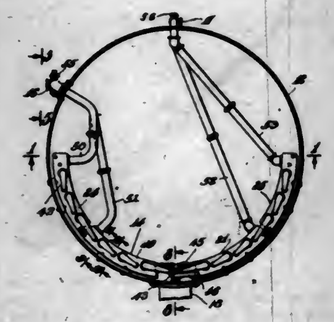
1. A toy vehicle comprising a body having two longitudinally extending side members spaced apart and arranged in diverging relationship, rear supporting wheels, a forward supporting and steering wheel, steering means operatively associated with the steering wheel and including a steering member, a seat having depending supporting blocks adapted to either receive between them the diverging side members or rest directly upon the upper edges of the side members, and means for securing the said depending supporting blocks to said members.

1,479,021. FILLING MACHINE. BASIL P. BABCOCK, Chicago, Ill., assignor to Sprague Canning Machinery Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1920. Serial No. 416,636. 12 Claims. (Cl. 226—96.)



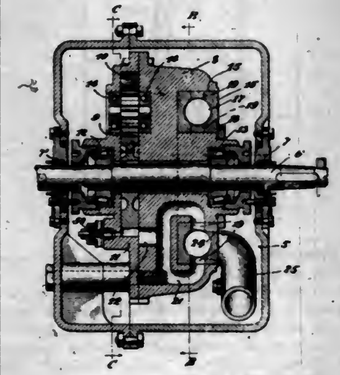
1. An automatic filling machine provided with a series of discharge means movable consecutively in a definite path; means for causing material to be discharged by said discharge means; and means movable with each of said discharge means for removing the surplus material which sticks to said discharge means.

1,479,022. TANK-CAR HEATER. THOMAS BEAGHEN, Jr., Mount Vernon, N. Y. Filed Feb. 20, 1920, Serial No. 360,141. Renewed Nov. 20, 1923. 25 Claims. (Cl. 257—207.)



4. A tank car heater comprising a header mounted within the tank and having a live steam and a drainage chamber, a plurality of radiator pipes leading outwardly from the live steam chamber, a plurality of drainage pipes of relatively small size leading outwardly from the drainage chambers and connected at their outer ends to the radiator pipes, and an ejector supplied with live steam from the live steam chamber and arranged to withdraw condensed steam from the drainage chamber.

1,479,023. SPEED-CONTROL MECHANISM. CHARLES O. BECH, Weehawken, N. J. Filed Jan. 4, 1922. Serial No. 527,007. 8 Claims. (Cl. 188—90.)



1. In combination with a shaft, hydraulically influenced mechanism for impressing a braking force upon said shaft, and means for controlling the distribution of the hydraulic medium to effect a circumferentially balanced application of the braking force upon the shaft.

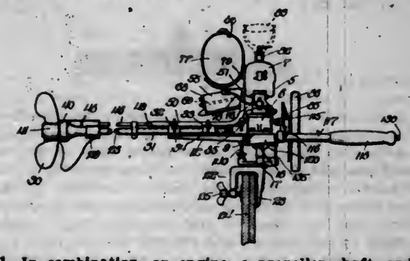
1,479,024. INCLINATION INDICATOR FOR AIRPLANES. JOHN FRANCIS BOOSAEM, Greenwich, Conn. Filed June 19, 1919. Serial No. 305,365. 2 Claims. (Cl. 33—206.)

1. An inclination indicator for airplanes comprising a hollow spherical transparent globe provided with meridian markings, a plurality of circular plates fitted within said hollow globe and lying in intersecting planes marked off by the meridian lines, said plates provided with openings therethrough, and a liquid body filling substantially the



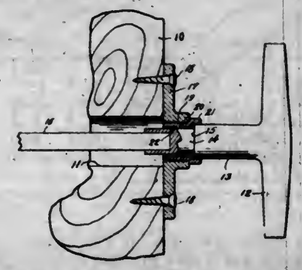
lower hemisphere and adapted by gravity to maintain a constant position relatively to the earth's center, said body being colored.

1,479,025. MARINE MOTOR. ARTHUR J. CAILLE and THEODORE L. SMITH, Detroit, Mich. Filed Oct. 11, 1922. Serial No. 593,794. 17 Claims. (Cl. 115—18.)



1. In combination, an engine, a propeller shaft, and a circulatory pump, said pump having a plunger operable longitudinally along said propeller shaft.

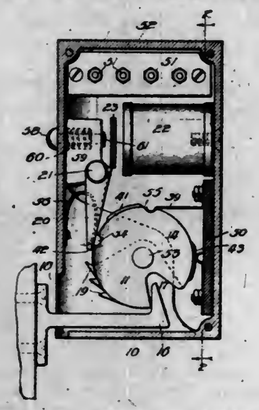
1,479,026. VEHICLE-DOOR HANDLE. WILLIAM A. CARMICHAEL, New Haven, Conn., assignor to C. Cowles and Company, New Haven, Conn., a Corporation of Connecticut. Filed Sept. 14, 1921. Serial No. 500,502. 10 Claims. (Cl. 292—348.)



1. A device of the character described comprising a lock spindle, an escutcheon embracing the spindle and in which the spindle is adapted to rotate, and spring means between the spindle and escutcheon acting radially of the spindle and yieldingly reacting against both the spindle and the escutcheon.

1,479,027. ELEVATOR LOCK. JOHN F. CLANCY, Chicago, Ill., assignor to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1919. Serial No. 300,663. 21 Claims. (Cl. 187—31.)

5. In combination, an elevator shaft, doors in said shaft, locks for said doors, said locks each comprising a movable member, a projection on each of said doors adapted to engage said movable member and move it into locking position, a plurality of projections on said movable member, a locking pawl, said projections being adapted to move past and be engaged by said locking



pawl, electro-magnetic means for releasing said pawl and means in the circuit of said electro-magnetic means and carried by said movable member adapted to permit the flow of current during movement of said projections past said pawl in either direction.

1,479,028. FAUCET. GEORGE W. COOKE, Jamaica, N. Y., assignor to George W. Cooke Co. Inc., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 620,915. 7 Claims. (Cl. 251—137.)

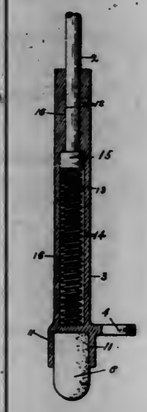


7. In combination, a threaded tubular shank adapted to be secured in an opening in a container, and having a tool-engaging part external of the container, a faucet comprising a tubular body member screwed on the outer end of the shank beyond the tool-engaging part and having its internal diameter enlarged toward its outer end to form a discharge chamber with an overhanging annular shoulder at its inner end constituting a valve seat, a removable dome shaped head screwed on the body member having a reduced tubular axial extension provided with two opposite longitudinal slots and having a seat for a packing ring formed in its top around the opening into the extension, a valve and stem therefor guided in said extension, a packing ring on the stem disposed against the seat therefor in the head, a spiral thrust spring surrounding the stem within the discharge chamber and bearing with its outer end against the packing ring and with its inner end against the valve and biasing the valve to closed position, a manipulative annulus slidably disposed on the tubular extension and having two opposing longitudinal slots in its inner periphery extending from its outer face partially through the annulus, and a transverse pin removably disposed in the end of the valve stem and protruding through the slots in the tubular extension into the slots in the annulus.

1,479,029. DOOR HOLDER. WILLIAM DIXON, Oklahoma, Okla. Filed Aug. 31, 1922. Serial No. 585,490. 1 Claim. (Cl. 292—338.)

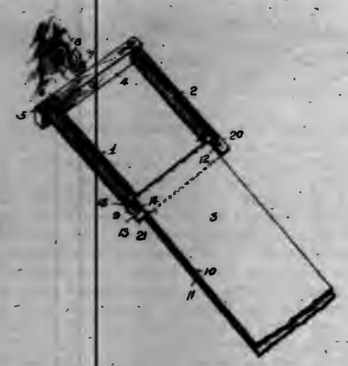
In combination with a door, a bracing rod pivoted to the door and adapted to be dragged along the surface of a floor or ground by the door, the lower or free end

of the rod being adapted to frictionally engage the floor or ground to hold the door against movement in one direction, the rod being adapted to yield resiliently to lineal compression, the point of pivotal connection of



the rod being out-set from the door to allow a vertical dead-center line passing through the point of pivotal connection of the rod to be moved past the lower or floor-contacting or ground-contacting end of the rod when the door is forcibly moved in opposition to the bracing force of the rod.

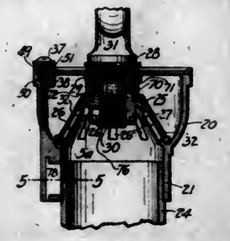
1,479,030. RAZOR STROP. JAMES F. DOBBINS, Brooklyn, N. Y. Filed Nov. 15, 1921. Serial No. 515,207. 2 Claims. (Cl. 51—201.)



1. In a razor strop, the combination with a stropping portion and a resilient hanger for the same comprising a transverse member adapted to be secured to a support, a pair of spaced springs secured thereto at one end, and a transverse bar detachably attached to the other end of at least one of the springs and adapted to be inserted between the folds of the strop.

1,479,031. INSTANTANEOUSLY-ACTING RADIATOR CAP WITH MOUNTING FOR TEMPERATURE INDICATORS. JESSE A. ECTON, Murray, Utah. Filed June 14, 1921. Serial No. 477,567. 6 Claims. (Cl. 220—86.)

1. In a device of the kind specified, a sleeve portion having an upwardly extending tunnel portion and a ported central portion, all in substantial axial alignment with each other, a ported valve portion seated on the said central portion, an operating arm projecting from the said valve portion, and a bifurcated pivoted



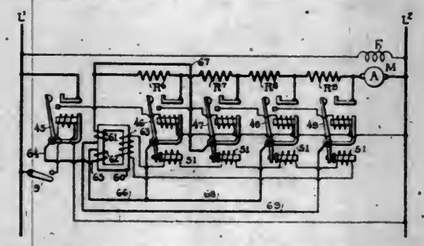
cover member for the said funnel portion, the said operating arm and the bifurcated cover being adapted to co-act for the purpose specified.

1,479,032. BELT. HENRY C. EGERTON, Ridgewood, N. J. Filed Oct. 5, 1918. Serial No. 256,989. 23 Claims. (Cl. 74—63.)



1. The belt comprising a body traction member formed of a number of layers of canvas carrying and thoroughly impregnated with thirty to forty per cent by weight of cured phenolic condensation cementing material, a fabric connector cemented to said traction member, a vulcanized rubber strengthening and gripping member securely united and vulcanized to said connector, flight supports secured to one side of said traction member, and a vulcanized rubber carrier surface permanently secured to said traction member and said flight supports to substantially enclose the same.

1,479,033. MOTOR CONTROLLER. CLARENCE T. EVANS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 17, 1919. Serial No. 283,087. 24 Claims. (Cl. 172—288.)

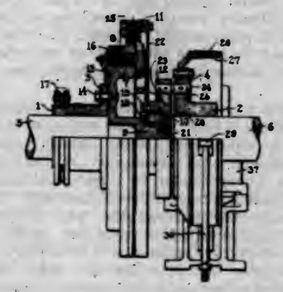


1. In a motor controller, in combination, resistance varying means and means to effect arrest of the action of the former means in different stages thereof, the latter means having an inherently transient effect influenced by the electrical condition of the motor circuit and including means providing for differentiation of the conditions under which the action of the first mentioned means is arrested in different stages thereof.

1,479,034. POWER-TRANSMISSION MECHANISM. BERNHARD E. FERNOW, Jr., Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 16, 1918. Serial No. 266,926. 13 Claims. (Cl. 192—84.)

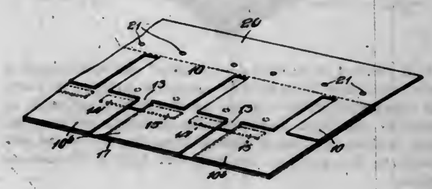
1. The combination with substantially aligned flanged driving and driven members arranged with their flanges adjacent one another and relatively spaced, of a power

transmission mechanism insertable between said flanges and removable therefrom without displacement thereof, said mechanism including axially aligned members to be secured to said flanges respectively for support solely thereby and being adapted to provide a flexible and a releasable power connection therebetween.



9. The combination with flanged and substantially axially aligned driving and driven members, of a power transmission mechanism including an electro-magnetic clutch providing a releasable and flexible driving connection between said members, said mechanism comprising elements coordinated for support of said mechanism solely by the flanges of said members and a brake including a brake wheel carried by one of said members.

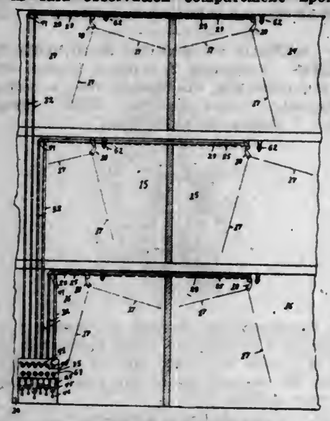
1,479,035. ROOF COVERING. ALBERT C. FISCHER, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,894. 7 Claims. (Cl. 108—8)



1. In felt roofing, an antecedent course of closely spaced shingle-like roofing members, and a succeeding course of shingle-like roofing members bridging the spaces between the members of the antecedent course and supported thereby in a plane above that of said antecedent course; the members of the succeeding course being constructed on their lower edges with interlocking heads connected with said members by narrow flexible necks that permit the heads to be bodily depressed from the plane of the course which carries them downwardly to a plane beneath the members of the antecedent course.

1,479,036. DETECTOSCOPE. ROBERT E. FORDICK, Cincinnati, Ohio. Filed Sept. 20, 1920. Serial No. 411,579. 9 Claims. (Cl. 88—1.)

5. An observation apparatus comprising a series of objectives located in a plurality of independent compartments to collect light rays into independent pencils of substantially parallel light rays, independent angular conduits through which said respective light rays are transmitted to an observation compartment, and a plurality of screens in said observation compartment upon which



different images are respectively thrown, and which screens and respective images thereon are adapted to be collectively observed.

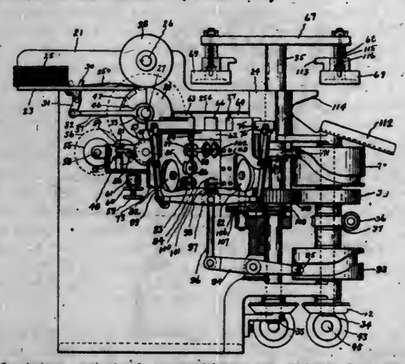
1,479,037. TINSEL REFLECTOR. BERNARD E. FRANKE, Baltimore, Md., assignor to The George Franke Sons Company, a Corporation of Maryland. Filed Apr. 6, 1923. Serial No. 630,204. 4 Claims. (Cl. 240—103.)



1. The combination with a light bulb and socket of a reflector composed of radiating tinsel and a central holder for the tinsel consisting of a disc having a central aperture to pass the shank of the bulb

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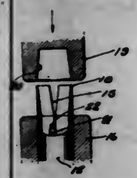
1,479,038. CORNER-STAYING MACHINE. WILLIAM FUHR, Chicago, Ill. Filed Aug. 18, 1922. Serial No. 582,620. 14 Claims. (Cl. 93—41)



1. A corner staying machine comprising blank forming members, means for feeding blanks to said forming members, means for applying glue to the corners of the

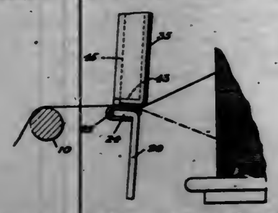
blank in the movement thereof toward said forming members, and means for applying tape over said corners while said blank is on said forming member.

1,479,039. METHOD OF MAKING WARDROBE-TRUNK TROLLEYS. FREDERICK J. GREENE, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Jan. 15, 1923. Serial No. 612,819. 7 Claims. (Cl. 29—156.)



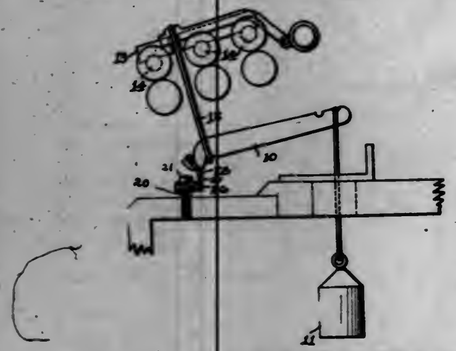
1. The hereindescribed method of forming a tubular member having a tapered end, which consists in reaming the bore of a tube to a thin edge at one end, and in contracting the reamed end of the tube to produce an external bevel thereon.

1,479,040. YARN GUIDE AND CLEANER. LEWIS T. HOUGHTON, Worcester, Mass. Filed Feb. 7, 1921. Serial No. 442,911. 14 Claims. (Cl. 28—66.)



1. In a yarn guide, the combination of a pair of jaws, one constituting a supporting table having a wide flat bearing surface all the way across it, on which the yarn will lie in a flat condition, but rounded at its forward, or yarn receiving and rear, or yarn delivering, edge, and the other jaw, spaced adjacent thereto and parallel therewith provided with a sharp forward edge and a rounded rear edge, said rounded forward edge being located in position to be engaged by the yarn before it passes between the jaws.

1,479,041. LEVER SCREW FOR TOP-ROLL WEIGHTING DEVICES. LEWIS T. HOUGHTON, Worcester, Mass. Filed June 12, 1922. Serial No. 567,621. 6 Claims. (Cl. 19—136.)



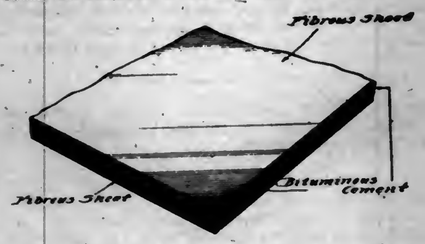
2. As an article of manufacture, a lever screw for forming a fulcrum for a lever comprising a head and a lever supporting piece having locking means co-operating with the head to prevent the easy turning of the screw when in one position and when in another position permitting the screw to be turned and adjusted to take up the wear and maintain the lever in its normal horizontal position.

1,479,042. EMULSION AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 510,127. 5 Claims. (Cl. 134—1.)

1. A non-adhesive emulsion, consisting of water, colloidal clay and asphalt, the asphaltic particles being so finely dispersed that more than 95% of the emulsion will pass a screen having openings not larger than .02 of a millimeter.

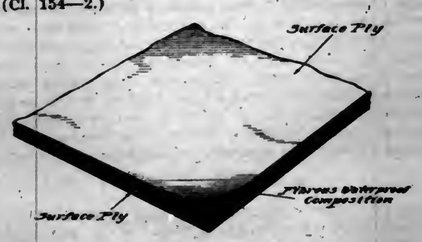
2. A process of making a non-adhesive emulsion, consisting in making a bulk supply of water, an emulsifying agent and a water-proof pitchy binder, continuously adding a colloidal clay suspension of appreciable viscosity and a pitchy binder in liquid condition to said bulk supply, passing such binder and clay suspension slowly through the bulk supply, and simultaneously causing a rapid rotation of propeller blades through said binder and clay suspension transversely of their path of movement and at a sufficient speed to produce an emulsion 95% of which will pass a screen having openings not in excess of .02 of a millimeter in size.

1,479,043. WATERPROOF AND MOISTUREPROOF SHEET AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Aug. 16, 1922. Serial No. 582,305. 3 Claims. (Cl. 154—2.)



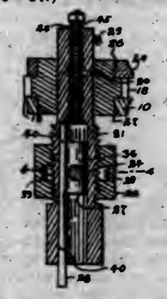
1. A process of making a waterproof and moistureproof sheet consisting in making an emulsion miscible in water and containing pitch and an emulsifying agent such as bentonite and then applying said emulsion between opposed surfaces of fibrous sheets, removing the water and permitting the pitch to coalesce and form a bituminous cement.

1,479,044. COMPOSITE BOARD AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Aug. 16, 1922. Serial No. 582,310. 5 Claims. (Cl. 154—2.)



5. A process of making a board consisting in making an emulsion of bitumen or pitch, water and an emulsifying agent adding thereto relatively dry fibre and infusorial earth and forming this composition into a sheet between two outer covering plies.

1,479,045. HAND TOOL. ROBERT D. KOHNE, Toledo, Ohio. Filed Mar. 14, 1921. Serial No. 451,903. 3 Claims. (Cl. 279—87.)



1. A tool holder shaft provided with an external non-circular portion for effecting engagement thereof for driving rotation, and a concentric socket for directly receiving a cylindrical shank of a tool having a flat side, said socket being provided with a key way opposing said flat side, a spline having a head, located inwardly of the tool shank, and means exterior of the holder shaft rotatable as to the shaft for adjusting the head and for bringing the spline into binding engagement with the flat side of the tool shank.

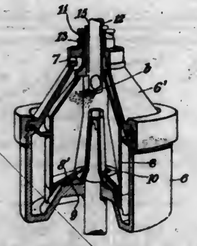
1,479,046. FLY SWATTER. HERBERT KOONTZ, South Bend, Ind. Filed Jan. 23, 1922. Serial No. 531,173. 3 Claims. (Cl. 43—137.)



1. A swatting device comprising a rectangular shaped frame formed from a single piece of wire and having its ends terminating in inwardly extending coiled springs, the inner convolutions of the springs terminating in outwardly extending arms, a handle member formed from a single piece of wire bent upon itself to form spaced arms, the outer ends of said arms terminating in axially aligned outwardly extending arms disposed in the convolutions of the coiled springs, and means for anchoring the outwardly extending arms carried by the end convolutions of the springs to the handle member.

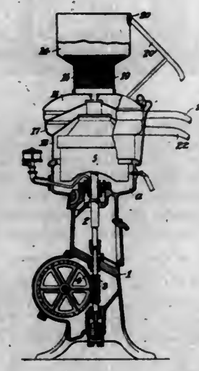
1,479,047. GRITLESS CARBONIFEROUS INK AND METHOD OF MAKING SAME. WALTER W. MOCK, Rutherford, N. J. Filed Feb. 8, 1922. Serial No. 534,873. 4 Claims. (Cl. 134—35.)

4. The method of making a carboniferous ink which consists in intimately mixing carbon pigment, composed essentially of an oily vehicle, with an ink vehicle, subjecting the mixture to centrifugal action while maintaining a temperature between 100° F. and 120° F. while maintaining a sufficient rate of flow of the liquid, while subjected to centrifugal action, to substantially prevent



the expulsion of amorphous carbon particles and effect the expulsion of substantially all of he gritty crystalline carbon particles.

1,479,048. APPARATUS FOR MAKING GRITLESS CARBONIFEROUS PRINTING INKS. WALTER W. MOCK, Rutherford, N. J. Filed Feb. 8, 1922, Serial No. 534,874. Renewed Nov. 22, 1923. 4 Claims. (Cl. 233—4.)

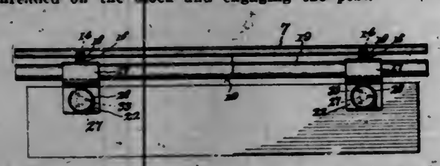


1. In a centrifugal apparatus for making gritless carboniferous printing inks, the combination comprising a standard, a rotary bowl provided with an outlet orifice, a supplemental bowl mounted within said rotary bowl, a super-structure having a chamber of relatively large cross-section at its top and of reduced cross-section at its bottom, filtering means arranged in said bottom portion of said super-structure, outlet conduits respectively connecting with the said enlarged top portion of said super-structure and with the reduced bottom portion of said super-structure respectively, the latter outlet conduit connecting with the interior of said supplemental bowl and the height of such super-structure being sufficient to maintain such a head upon printing ink delivered into said supplemental bowl as to insure that such ink will remain in at least one of the bowls of said apparatus a sufficient length of time to insure the expulsion of gritty carbon particles, but an insufficient time to afford of the explusion of amorphous carbon particles from said ink.

1,479,049. FILE BINDER. JOHN PARKS ALMAND, Little Rock, Ark. Filed Dec. 23, 1922. Serial No. 608,670. 3 Claims. (Cl. 129—16.)

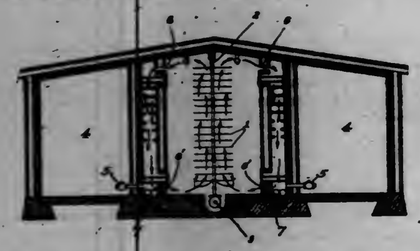
1. A binder comprising a body having spaced legs, a plate associated with one leg, a post connected to the

plate a spring for urging the plate outwardly, a block removably secured to the outside of one leg, and a cap threaded on the block and engaging the post.



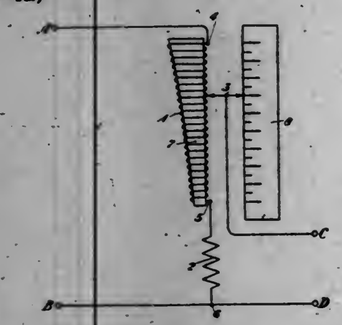
2. A binder comprising a channel track, a rod, and clamps spaced upon said rod and having means to slide in the channel track.

1,479,050. APPARATUS FOR THE CURING AND DESICCATING OF FISH AND OTHER PERISHABLE ARTICLES OF FOOD. JOSEPH TETU BERTRAND, Isle-Verte, Quebec, Canada. Filed Mar. 11, 1918. Serial No. 221,861. 2 Claims. (Cl. 99—2.)



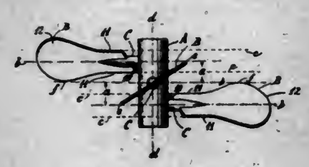
1. The combination in an apparatus of the character described, of a fish receiving compartment, vertical shafts journaled therein, means for rotating said shafts, horizontal perforated trays carried by the shafts, means for directing smoke to the bottoms of said trays, and means for redirecting smoke from the uppermost of said trays downwardly to the bottoms of the trays for further use.

1,479,051. ARTIFICIAL LINE. FRED H. BEST, Westfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 14, 1920. Serial No. 381,460. 5 Claims. (Cl. 178—44.)



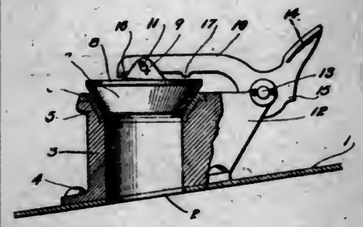
1. An artificial line having input and output terminals and comprising an impedance connected between said input terminals, adjustable means to include any desired part thereof between the output terminals, an indicator to show the adjustment of said means, and a scale for said indicator, said impedance being graduated and said scale being marked so that the indication on the letter is in terms of length of a transmission line having the same attenuation as the artificial line at the corresponding adjustment.

1,479,052. PROPELLER. ERNEST BOENING, Yonkers, N. Y. Filed May 19, 1921. Serial No. 470,846. 1 Claim. (Cl. 170—165.)



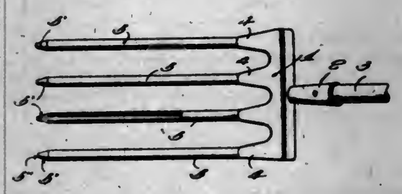
A structure adapted for use as a propeller and for other purposes, comprising a hub, a plurality of inclined blades having their inner ends spaced from the outer surface of the hub, and shanks extending from the outer surface of the hub to said blades, said blades having relatively narrow inner portions with parallel side edges, and relatively wide outer portions with curved tips, the side edges of which merge into said parallel edges of the narrow inner portions.

1,479,053. GAUGE-HOLE COLLAR. STEPHEN H. BROOKS, Cleveland, Ohio, assignor to The Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 17, 1922. Serial No. 544,538. 1 Claim. (Cl. 220—32.)



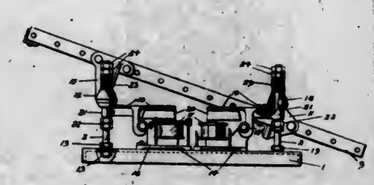
A gauge hole cover collar having a seat, a lever pivoted intermediate its ends and having an offset portion to provide an operating end, the operating end having a shoulder to contact with the collar to keep the other end portion of the lever from swinging to a perpendicular plane, a cover having pivotal connection with the second mentioned end of the lever, and stop projections on said second mentioned end of the lever at opposite sides of said pivotal connection, for the purpose set forth.

1,479,054. PITCHFORK. JOSEPH FRANK CHLADEK, Niobrara, Nebr. Filed June 19, 1922. Serial No. 569,352. 2 Claims. (Cl. 294—49.)



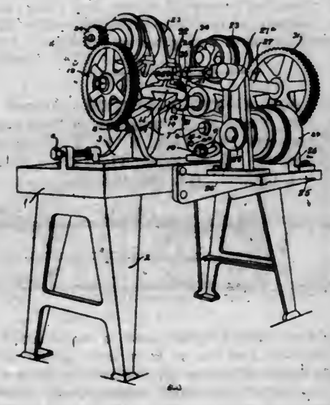
1. A pitch fork having a head, and teeth extending from said head, each of said teeth being in the form of a tube of substantially an even diameter throughout practically its entire length, the free end portion of the tooth being formed into a solid end portion tapered and terminating in a blunt point.

1,479,055. ELECTRIC SEPARATOR. WALTER CROW and JOHN C. SCHAFFER, Pittsburgh, Pa., assignors to Schaffer Engineering & Equipment Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 28, 1920. Serial No. 406,667. 8 Claims. (Cl. 83—56.)



1. A material carrying platform having a screen and a frame for the screen, supporting means for the frame embodying relatively movable members, and alternating current electromagnet lifting means coacting with the supporting means movable members for shifting the frame.

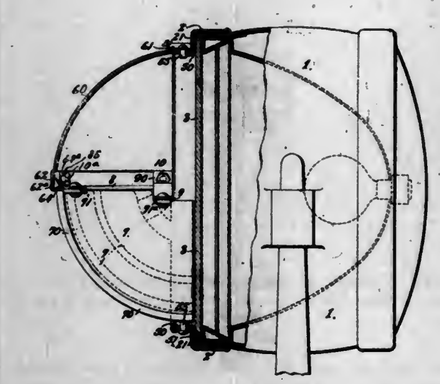
1,479,056. APPARATUS FOR AND METHOD OF CUTTING METAL. JOHN T. CUMMINGS, BENJAMIN H. DAULTON, FRANK W. TAYLOR, and CLARENCE J. ROBINSON, Wilmington, Ohio, assignors to The Irwin Auger Bit Company, Wilmington, Ohio, a Corporation of Ohio. Filed Nov. 12, 1921. Serial No. 514,469. 8 Claims. (Cl. 76—8.)



1. In a machine of the character described, the combination with a bed and bit-securing devices, of cutting units comprising a reciprocating rotary element adapted to travel at an incline across the face of a bit head and to remove the material and finish the face.

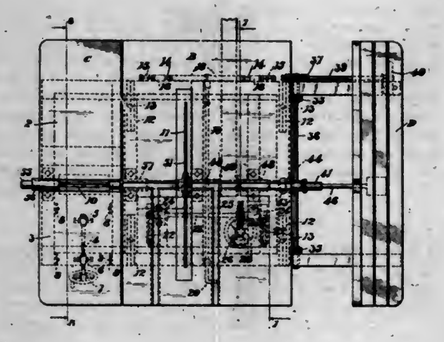
1,479,057. HEADLIGHT DIMMER. WALTER M. CURRAN, Pavilion, Mich. Filed Feb. 1, 1923. Serial No. 616,426. 8 Claims. (Cl. 240—48.4.)

1. A glare eliminator for vehicle head lights comprising a visor ring, a visor carried by said ring, a horizontal cross frame supported beneath the visor, an assembly of vertically disposed glare eliminator plates secured to said horizontal frame and sustained thereby, and means for securing the visor ring to the head light



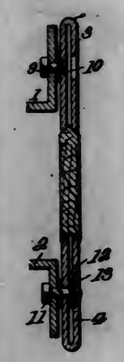
rim to hold the assembly of eliminator plates over the lower exposed half of the head light lens.

1,479,058. WOODWORKING MACHINE. MICHAEL F. DALY, Millbrae, Calif. Filed Jan. 23, 1923. Serial No. 614,398. 9 Claims. (Cl. 144—1.)



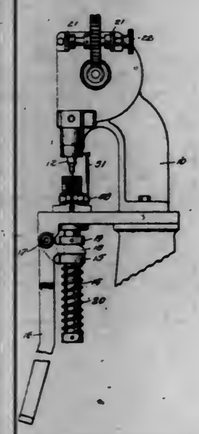
1. In a machine of the character described, a main frame, a driving shaft journaled therein, a circle saw secured on the shaft and driven thereby, a table transversely movable with relation to the saw and the frame, and means permitting pivotal movement of the table with relation to the saw and the frame, said means comprising a pair of perforated lugs carried by the table, a pair of bearing members carried by the frame, a pin slidable in each bearing member and adapted to enter or be retracted with relation to the perforated lugs, and manually operated means for retracting or projecting the pins in unison.

1,479,059. YIELDABLE GUIDE FOR COATING MACHINES. IRVIN F. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed July 27, 1922. Serial No. 577,869. 7 Claims. (Cl. 91—60.)



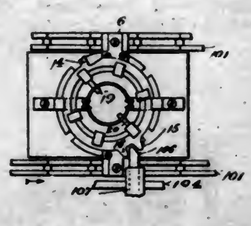
1. A guideway for coating machines comprising spaced guide members, each guide member having yieldably spaced guiding edges.

1,479,060. FEEDING MECHANISM. JOHN DLESK, Berwyn, Ill., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1922. Serial No. 550,235. 12 Claims. (Cl. 78—48.)



1. In a riveting machine, a longitudinally movable anvil, a magazine movable thereby, a chute through which rivets may be fed, and a movable member normally closing the end of said chute, said member being movable by said magazine to a position where said member uncovers the end of the chute and permits the rivet at the bottom of the chute to drop thereon, said member forcing said rivet into the magazine on the next forward actuation of said member.

1,479,061. CORER. WILLIAM B. FENN, Port Washington, N. Y. Filed Apr. 8, 1922. Serial No. 550,643. 21 Claims. (Cl. 146—52.)



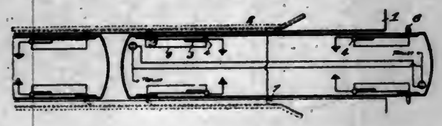
1. In a coring device comprising a pair of blades normally adapted to encompass a core and upon which the article to be cored is impinged, and means for moving said blades to sever the core from the article.

1,479,062. SAFETY MECHANISM FOR DOORS. ALBERT GOTTSCHALK, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Sept. 13, 1919. Serial No. 323,657. 10 Claims. (Cl. 180—82.)



1. In a safety mechanism adapted to effect control of an associated power motor, the combination with a door, and a motor for actuating said door, of a fluid pressure operated indicating or control device, and means governed by the movement of the door actuating motor for varying the fluid pressure acting on said device.

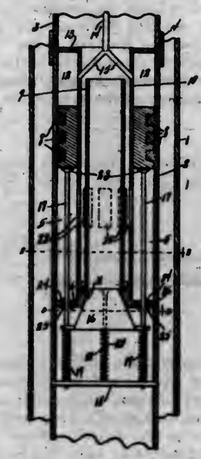
1,479,063. DOOR-CONTROL SYSTEM. ALBERT GOTTSCHALK, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Sept. 11, 1920. Serial No. 409,737. 7 Claims. (Cl. 105—341.)



1. In a door control system, and in combination with a station platform and one or more cars having doors and electrically operated means for controlling the doors, of a current conductor extending substantially parallel to the platform, a contactor for each door carried by the car and adapted to contact with the conductor when opposite the platform, said contactor being in electrical connection with said door controlling means, and means for supplying current to said conductor.

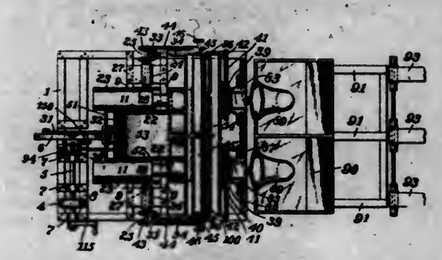
1,479,064. FLUID LIFT PUMP. HARVEY H. GRACEY, Fort Worth, Tex. Filed Dec. 11, 1922. Serial No. 606,061. 4 Claims. (Cl. 103—232.)

1. A fluid lift pump comprising a working barrel, an air feed pipe within and spaced from said barrel, partition plates closing the annular space between the ends of said air-feed pipe and the wall of said barrel and forming an air chamber of the annular space between said pipe and said barrel, a piston movable in said chamber, a liquid discharge pipe within and spaced from said air-feed pipe, a cone-plug seat closing the space between the air-feed pipe and said liquid discharge pipe at their bottom ends, a cone-shaped plug adapted to close the passage through said seat, said air-feed pipe having slots intermediate its ends, means for feeding a fluid element



to said air-chamber above said piston for forcing said piston downwardly, means for retarding the movement of said piston until the required pressure of the fluid element is obtained, and means carried by said piston for opening the passage through said discharge pipe.

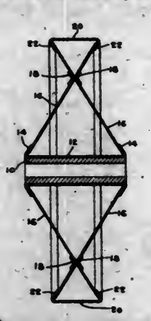
1,479,065. WRAPPING MACHINE. GEORGE T. GREER, Roanoke, Va. Filed Mar. 31, 1921. Serial No. 457,402. 16 Claims. (Cl. 93—5.)



1. In a wrapping machine the combination of a base, a plunger mounted for horizontal movement on said base, a hopper opening in front of said plunger, paper feeding and cutting mechanism, a twister mounted in front of said plunger and thrown into operation by a stroke of said plunger, means for receiving and holding the articles to be wrapped while said twister is operating and means for driving said plunger.

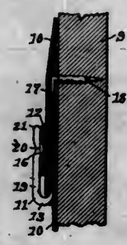
1,479,066. WHEEL. RALPH R. GRIFFITH, Minneapolis, Minn. Filed June 4, 1921. Serial No. 475,039. 1 Claim. (Cl. 301—66.)

A wheel comprising a rim having an inwardly extending flange at each of its sides, a cylindrical hub, a sleeve secured on said hub and having an outwardly extending flange at each of its ends, separate sheet metal spoke elements secured to said inwardly and outwardly extending flanges so as to converge inwardly and outwardly from said rim and sleeve respectively, toward a circle located between said rim and sleeve, and a circular re-enforcing member secured to said spoke elements at the



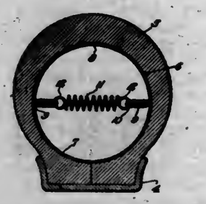
position of said circle, said re-enforcing member being so limited that portions thereof lie within and close to said circle.

1,479,067. ROLL-ROOFING FASTENER. ALBERT ABBE GRISWOLD, Providence, R. I. Filed May 3, 1923. Serial No. 636,423. 6 Claims. (Cl. 108—33.)



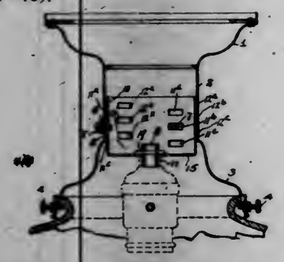
1. In a roof construction and the like, overlapping strips of roll roofing, means for securing the roll roofing to the roof, consisting of roll roofing fastener, each comprising under and upper fastening members, the under fastening member having a roll roofing and roof penetrating portion, a thin flat body portion and a hook shaped portion with locking means on the hook and the upper fastening member being in the form of an elongated cleat and having means for locking it to the locking means on the hook shaped portion of the under fastening member, for the purpose as described.

1,479,068. INNER TUBE FOR THE TIRES OF VEHICLES. DAVID JACOB HAMMER, Pittsburgh, Pa., assignor of one-half to James H. Flinn and James McEwan, both of Pittsburgh, Pa. Filed Mar. 23, 1923. Serial No. 627,157. 4 Claims. (Cl. 152—8.)



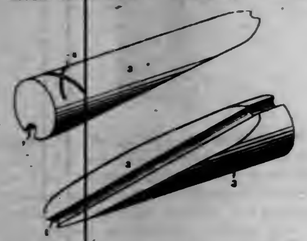
2. An inner tube for vehicle tires including inner and outer sections equipped with co-acting marginal edges, and resilient means connecting the edge of one of said sections.

1,479,069. LIGHTING FIXTURE. ISAAC IRVING HANCE, Cleveland, Ohio, assignor to The Crescent Brass Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 22, 1922. Serial No. 556,035. 3 Claims. (Cl. 240—78).



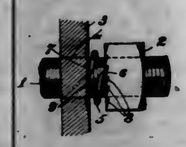
1. In a lighting fixture and lamp socket holder, the combination of a fixture and globe holder having a central barrel provided with spaced tapped apertures, and an adjustable socket holding cup comprising a horizontal base portion and a cylindrical flange portion, a series of spaced aligned slots in said flange portion, each alternate row of slots belonging to one of two series, the slots of one series being staggered relative to those of the other series, such slots being adapted to register with such spaced apertures, and holding means mounted in such apertures to engage and secure said cup in adjusted position.

1,479,070. BLASTING. WILLIAM EDWARD HARRIS, Luipaardsvlei, Transvaal, South Africa. Filed July 18, 1922. Serial No. 575,791. 4 Claims. (Cl. 102—11.)



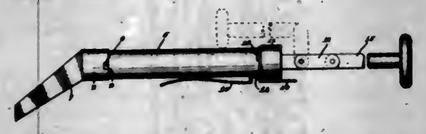
3. A check for insertion after the usual tamping consisting of two portions each substantially the shape of a cylinder a portion of which has been removed by a plane passing from one end of a diameter at or near the base to the opposite end of the corresponding diameter of the top, the face thus formed having in it a groove running centrally down it and graduated in depth from one end to the other so that when the two portions are placed together face to face the grooves on each portion form a channel in which the fuse fits.

1,479,071. NUT LOCK. JOHN A. HATFIELD, Fort Worth, Tex. Filed Nov. 12, 1920. Serial No. 423,608. 1 Claim. (Cl. 151—41.)



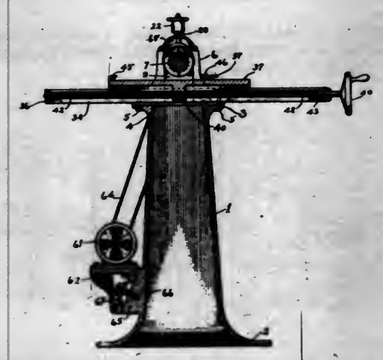
A nut lock comprising in combination, a nut having a threaded bolt opening and ratchet teeth on one face thereof, said ratchet teeth beginning in the bolt opening and extending radially outwardly, a bolt, a work piece having a bolt opening to receive said bolt, and a ratchet on its face surrounding said opening, said ratchet comprising outwardly and upwardly tapering serrations beginning in the said bolt opening of the work piece and extending radially outwardly, and a coiled washer surrounding said bolt and having oppositely projecting ends, one end adapted to engage the ratchet teeth on the nut adjacent the bolt opening thereof, and the other end adapted to the tapered serrations of the work piece adjacent the bolt opening thereof, the entire washer lying well within the periphery of the nut, whereby to prevent accidental disengagement of the ends of the coiled washer.

1,479,072. GREASE GUN. ROBERT C. HOAGLAND, Pueblo, Colo. Filed July 17, 1922. Serial No. 575,590. 1 Claim. (Cl. 24—3.)



A grease gun comprising a barrel, a removable cap for closing one end of the barrel, pins extending laterally from the barrel and disposed adjacent to one end of the cap, a hook member including a ring, said ring adapted to be positioned over the barrel between the pins and cap, and said cap adapted to force the ring member into close engagement with pins to secure the hook to the barrel.

1,479,073. MILLING MACHINE. IRA T. HOWARD, Goshen, Ind. Filed Dec. 22, 1920. Serial No. 432,594. 8 Claims. (Cl. 90—16.)



1. In a machine of the character described, the combination of a work support, a rotary tool and a bearing structure for the rotary tool, the structure including a housing, a bearing block, a ball bearing supported in said bearing block, means for adjusting the location of said bearing block with respect to the housing, and means for adjustably limiting the movement of said bearing block, said last named means and the bearing block being provided with a lubricating passage, terminating on the bearing in said bearing block, said passage being straight and uninterrupted independently of the adjustment of the bearing block in the housing.

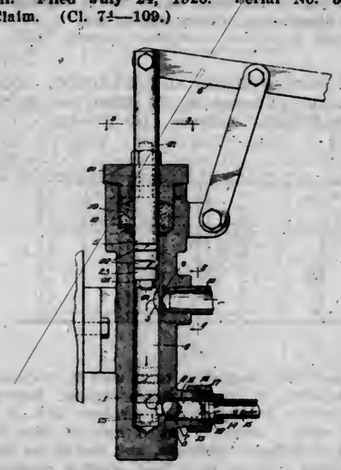
1,479,074. TIRE-CHAIN FASTENER. JOEL W. HUBBLE, Jacksonville, Ill. Filed July 3, 1922. Serial No. 572,368. 6 Claims. (Cl. 24—230.5.)

1. In a tire chain fastener, a body having a slot opening through a wall thereof, and provided with a substantially central opening having opposite walls which are formed with substantially alined chain-engaging



seats, one of said walls having a second chain-engaging seat located beyond the first named chain-engaging seat of said wall of the opening.

1,479,075. PUMP. HENRY AUGUST JOHNSON, Chicago, Ill. Filed July 24, 1920. Serial No. 398,764. 1 Claim. (Cl. 74—109.)



In a force pump adapted for feeding boiler compound into a steam boiler, a piston rod having on its active end a piston of the same diameter as the main body part of said rod, said piston comprising a reduced axial extension of said rod in combination with a series of alternately arranged solid and split rings and means on the outer end of said extension to secure said rings demountably, the said split rings being naturally somewhat expansive but sufficiently compressible radially to permit forcing them into the bore of the pump when in place on said extension, and said main body part being adapted to serve as a check-valve when said piston rod is advanced.

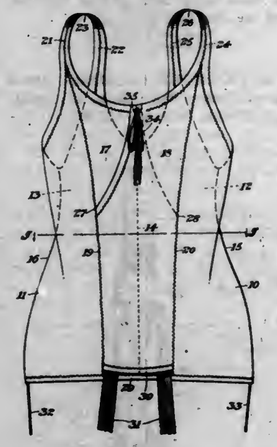
1,479,076. APPAREL CORSET. DANIEL KOPS, New York, N. Y., assignor to Kops Bros. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 15, 1922. Serial No. 607,016. 4 Claims. (Cl. 2—73.)

2. In an apparel corset and in each corset body half having a back lacing edge, a back resting strap secured along one edge in a line of stitching distant from the back lacing edge and extending toward the same, the said back resting strap having a series of eyelets therein along the edge opposite the edge in which it is attached to the garment, with the upper and lower edges of the back resting strap diverging, making the lacing edge thereof appreciably longer than the edge in which it is attached to the garment, the length of the back resting strap between the line of attachment and the lacing edge thereof being appreciably greater than the adjacent portion of the body of the garment between the line of attachment of the back resting strap and the back lacing edge of the garment, an elastic insert extending from the lower edge of the garment parallel to the back lacing edge thereof to approximately the upper edge of the said back resting strap whereby in adjusting the garment to position the tension exerted by the laces is first applied to the back lacing edges of the portions of the garment overlying the back resting straps to bring the back lacing edges of the garment into alignment



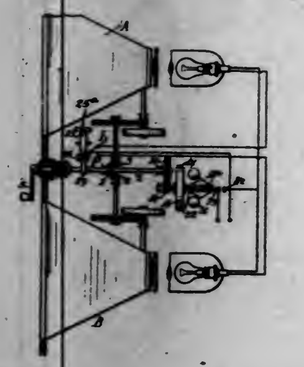
with the back lacing edges of the back resting straps and then is applied simultaneously to both the back lacing edges of the garment and the lacing edges of the back resting straps.

1,479,077. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Bros., New York, N. Y., a Firm. Filed Aug. 10, 1921. Serial No. 491,103. 9 Claims. (Cl. 2—73.)



1. An apparel garment forming a combined undervest, corset and brassière and comprising a single piece body member adapted to cover the body of the wearer from substantially the busts to the thighs and made of a material sufficiently elastic to cling and conform to the body of the wearer, the said body member having longitudinal overlapping extensions in the front thereof to form a multi-ply front supporting section which is less yielding than the other sections of the garment, the longitudinal edge of the extension from one side of the body member being connected to the other side of the body member and the longitudinal edge of the extension from the said other side of the body member being connected to the first aforesaid side of the body member of the garment.

1,479,078. AUTOMATIC CINEMATOGRAPH. VÁCLAV KRIEGSBRECK and JINDŘICH BAUTZ, Prague, Czechoslovakia. Filed Jan. 14, 1922. Serial No. 529,347. 6 Claims. (Cl. 88—17.)



1. An automatic cinematograph comprising two similar stable cinematographic apparatus each having an unwinding reel and a winding up reel for the film in combination with means for interconnecting the cinematographic apparatus in such a manner that while one exhibits the record, the other winds up in the reverse direction the film containing the adjacent record and with means on the unwinding reel of the one apparatus and on the winding up reel of the other apparatus for braking the automatic cinematograph, which latter means prevent the films being torn, if the turning of the reels is continued, as set forth.

1,479,079. EXPANSIBLE REAMER. ADOLF KUTCHERA, Bismarck, N. Dak. Filed Aug. 11, 1922. Serial No. 581,255. 1 Claim. (Cl. 77—75.5.)



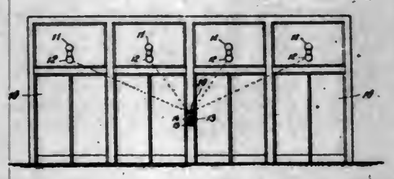
An expansible reamer comprising a spindle having grooves gradually increasing in depth toward the forward end of the spindle, blades received in said grooves and having their outer sides formed with cutting means, said blades and said grooves being V-shaped in cross section, and nuts threaded on said spindle and engaging opposite ends of said blades whereby to hold the blades in position and adjust them longitudinally in said grooves.

1,479,080. SILENT CHAIN DRIVING TRANSMISSION. JOHN FRANCIS MCCANN, Springfield, Mass., assignor to Duckworth Chain & Manufacturing Company, Springfield, Mass. Filed May 7, 1923. Serial No. 637,388. 1 Claim. (Cl. 74—32.)



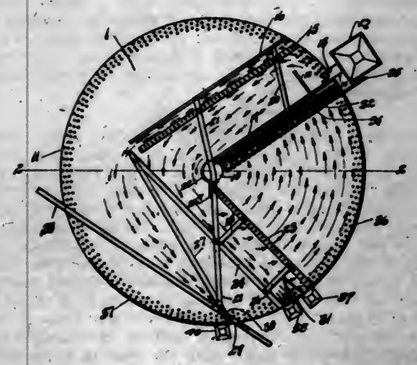
In a silent chain, a round hollow pin with a narrow split opening, extending between shoulders, said shoulders unlike rest of pin being rolled tightly together and smaller in diameter than body size of pin.

1,479,081. ELEVATOR-SIGNAL REFLECTOR. ERNEST W. MARSHALL, Yonkers, N. Y. Filed Dec. 6, 1919. Serial No. 342,971. 6 Claims. (Cl. 88—1.)



1. A signal reflector adapted to be used in conjunction with a plurality of spaced visible signals, having a reflecting surface so curved as to reflect each of the signals in such a manner that it may be seen from a plurality of different positions, and means for securing said signal reflector in a fixed position relative to the signals.

1,479,082. BEAN-SORTING DEVICE. LEE A. MEDCALF, Fairgrove, Mich. Filed Apr. 18, 1922. Serial No. 554,566. 3 Claims. (Cl. 130—18.)



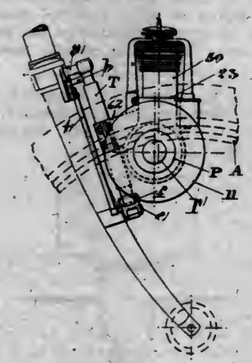
1. A bean sorting machine comprising a revolving flat tilted table having a plurality of small sand openings around the outer edge thereof, spaced apart brushes and scrapers thereon and stationary with relation thereto, a plurality of adjustable paddles for forcing the product towards the center of the table, and means for adjusting said paddles.

1,479,083. MAGNETIC OPERATING MECHANISM. HOWARD I. MORRIS, Cleveland, Ohio, assignor to The Yoder-Thomas Mfg. Co., Cleveland, Ohio, a Corporation of Ohio. Filed May 16, 1921. Serial No. 469,981. 26 Claims. (Cl. 236—48.)



3. In apparatus of the class described, the combination of a conduit, a valve therefor, a pair of magnetic elements one of which is connected to said valve and mounted to move about a pivot, and means for moving the other element relative to said first mentioned element.

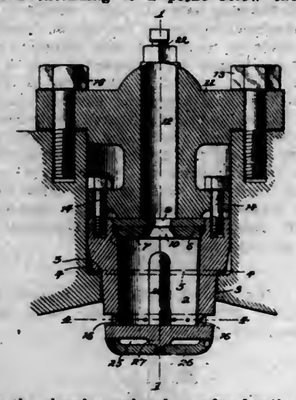
1,479,084. INTERNAL-COMBUSTION ENGINE FOR BICYCLES. JOSEPH NEYRET, Lyon, France. Filed Mar. 16, 1921. Serial No. 452,785. 1 Claim. (Cl. 180—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



An internal combustion engine for propelling bicycles, having a crank shaft, a revolving casing mounted on the crank shaft, said casing being staggered so as to form two pulleys, a crank case having an extension provided with an opening, a tube movable in said opening and by the movement of which the motor can be displaced to engage either of the pulleys, or to allow the engine to run free, means for connecting the tube to the frame of a bicycle, a second tube inside the first named tube, a spring tending to separate the tubes, a shaft at the upper end of the outer tube, a gear change lever pivoted at the shaft, a guide for said shaft pivoted on the frame of the bicycle, means for connecting said guide to the lower end of the inner tube, bearings for the shafts affixed to the steering column of the bicycle and to the wheel fork respectively so that the engine turns with the movement of the front wheel of the bicycle, and a ring affixed to the rim of the front wheel to be engaged by either of the pulleys of the motor.

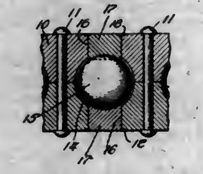
1,479,085. INTERNAL-COMBUSTION ENGINE. BRUNO V. E. NORDBERG, Milwaukee, Wis. Filed Dec. 8, 1917. Serial No. 206,236. 4 Claims. (Cl. 123—33.)

1. In combination with a cylinder of an internal combustion engine; a combined heating and fuel ejecting chamber projecting into the cylinder and into which the fuel is introduced and intermixed with air and caused to be expelled by the explosive action in part of said mixture, said chamber being provided with lateral openings for the discharge of fuel; and means carried by the chamber and extending to a point below the openings



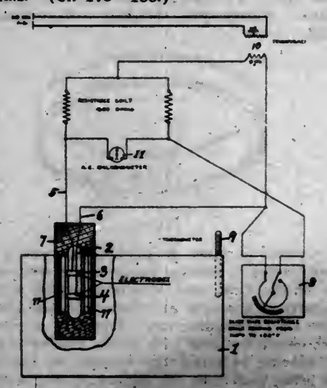
for cooling the chamber, whereby undue heating and consequent premature explosion of the mixture within the chamber is prevented.

1,479,086. BALL RETAINER. HARRY N. PARSONS, Chicago, Ill., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1922. Serial No. 530,820. 3 Claims. (Cl. 64—59.)



1. A ball retainer for ball bearings comprising a ring having recesses therein for the balls and bearing members secured in the sides of said recesses and adapted to contact with said balls at their axes, said bearing members being secured in holes in the sides of said recesses.

1,479,087. METHOD OF DETERMINING FINISHING POINT IN PROCESS OF CONDENSING MILK. FRANK E. RICE, Ithaca, N. Y., assignor to Nestle's Food Company, New York, N. Y., a Corporation of New York. Filed Aug. 21, 1919. Serial No. 318,895. 7 Claims. (Cl. 175—183.)

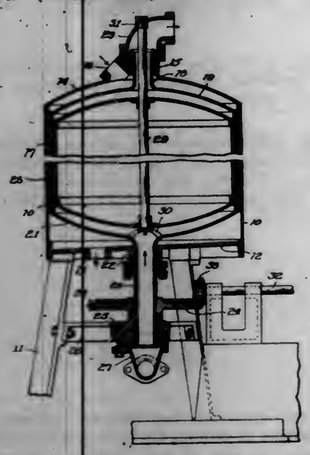


1. A method of determining the finishing point in condensing milk, which consists in passing an electric

current through the milk and indicating the resistance offered to the current by said milk during condensation and at the finishing point.

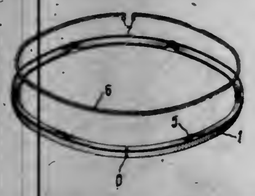
6. An electrical apparatus for use in determining the finishing point in condensing milk including a plurality of known resistances, a galvanometer and an adjustable resistance all in operative electrical connection, an evaporating pan, an insulating member extending into said pan, and a plurality of spaced electrodes co-operating with said known resistances, galvanometer and adjustable resistance, and arranged on said member, said electrodes being designed to be submerged in the milk undergoing treatment whereby said milk will form a resistance between the electrodes and complete an electric circuit through said known resistances, galvanometer and adjustable resistance.

1,479,088. HEAT EXCHANGER. JOSEPH SCHNEIBLE, Chicago, Ill. Filed Apr. 16, 1921. Serial No. 461,893. 3 Claims. (Cl. 257—111.)



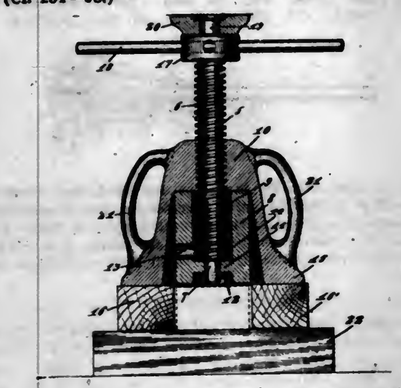
1. In combination, an annular chamber, a cylindrical wall partitioning said chamber, means for rotating said wall, and means for passing fluids through the chambers in directions substantially transverse to the movement of the wall on each side of the latter.

1,479,089. PISTON PACKING. CHARLES R. SHOAT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 1, 1919. Serial No. 341,746. 5 Claims. (Cl. 74—109.)



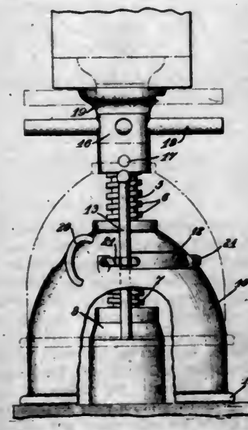
1. In a piston packing, the combination with a resilient split ring having a surface on its inner side oblique to the axis of the ring, said surface provided with raised bearing portions arranged at intervals around the ring, of a resilient split expanding ring adapted to be placed with said first mentioned ring in a piston groove and to seat on said bearing portions, the relation of the engaging surfaces being such that the expanding ring will operate to force the first mentioned ring outwardly and axially when said rings are seated in a piston groove.

1,479,090. JACK. ABRAM J. SLONECKER, Trenton, Mo., assignor to Slonecker Products Company, Trenton, Mo. Filed Dec. 20, 1922. Serial No. 608,034. 2 Claims. (Cl. 254—98.)



1. A lifting jack comprising a screw, a reversible base swiveled on the lower end of the screw, a hollow movable base adapted to move over the screw, means for rotating the screw, and handles on the hollow movable base for rotating the hollow movable base.

1,479,091. JACK. ABRAM J. SLONECKER, Trenton, Mo., assignor to Slonecker Products Company, Trenton, Mo. Filed Dec. 20, 1922. Serial No. 608,035. 4 Claims. (Cl. 254—98.)



1. In a lifting jack, a lifting screw having oppositely disposed threads, an inner base having threads to receive the threads of the screw, an outer hollow base adapted to house the first mentioned base and operating over the threads of the screw, means for rotating the screw, and means for oscillating the inner base.

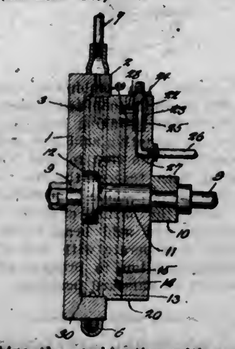
1,479,092. MOTOR-PROPELLED AGRICULTURAL MACHINE. WILLIAM N. SPRINGER, Peoria, Ill., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 30, 1917. Serial No. 189,017. 9 Claims. (Cl. 180—17.)

6. In a device of the class described, a main frame; tractor wheels located adjacent the front end of said main frame for propelling the same; steering mechanism carried by said main frame and cooperating with said wheels to steer the same; a supplemental frame pivoted to said main frame adjacent the front end of the latter, and adapted to swing relative thereto; and a castor wheel



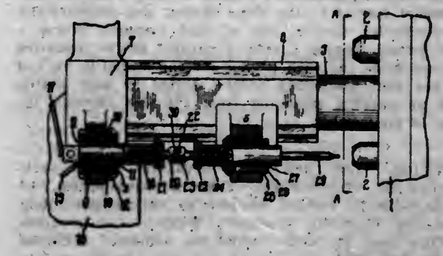
whereby the rear end of said supplemental frame is supported, and whereby said supplemental frame may be guided independently of said main frame.

1,479,093. TURBINE. JOHN GORDON SUMMERS, San Diego, Calif. Filed Mar. 19, 1923. Serial No. 626,117. 3 Claims. (Cl. 253—81.)



1. In a turbine the combination with a stator having non-communicating grooves in one face and oppositely pitched ports opening into the periphery of the stator and communicating with the respective grooves, of valve controlled means for directing fluid under pressure into either groove, a rotor extending around the stator, an annular series of buckets within the rotor for successively receiving the impact of fluid discharged from the ports, exhaust ports extending from the buckets through the periphery of the rotor, and an exhaust ring for receiving fluid from the exhaust ports.

1,479,094. ATTACHMENT FOR AUTOMATIC TURRET MACHINES. FRANK H. ERNSER and RALPH B. VERSEY, Flint, Mich., assignors to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Dec. 4, 1919. Serial No. 342,430. 5 Claims. (Cl. 29—37.)



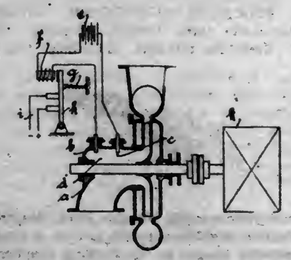
1. The combination with a main tool slide of an auxiliary tool slide mounted thereon, means for preliminary adjustment of the auxiliary slide on the main slide, and cam means for causing relative movement between said slides.

1,479,095. CLINCHER RIM. WILLIAM H. HARWOOD, Cheyenne, Wyo. Filed Aug. 25, 1920. Serial No. 406,951. 1 Claim. (Cl. 152—21.)



A clincher rim including two separable rim members, one rim members being in the form of a band having its inner periphery straight transversely thereof, one edge of said rim member being provided with an external annular hook-shaped flange overhanging the rim member, said edge of the rim also being provided with an internal annular shoulder, the outer periphery of the rim member being externally screw-threaded at the opposite edge of the member and inclined transversely adjacent the hook shaped flange, the other rim member being in the form of a band which is wedge shaped in cross section and internally screw-threaded to fit the externally screw-threaded portion of the first mentioned band, the second mentioned band being provided at its outer edge with an external annular hook-shaped flange overhanging the band, the said band also being provided at its outer edge with an internal annular shoulder extending transversely across the adjacent edge of the first mentioned band and also projecting beyond the inner periphery thereof, and a set screw extending through the shoulder of the second mentioned band for engagement with the adjacent edge of the first mentioned band, the head of the set screw projecting externally of the rim member and constituting a shoulder or abutment for use in assembling and disassembling the rim members.

1,479,096. SAFETY DEVICE FOR CENTRIFUGAL PUMPS. PETER IBACH, Konigswinter, Germany. Filed Oct. 15, 1921. Serial No. 507,938. 5 Claims. (Cl. 103—25.)



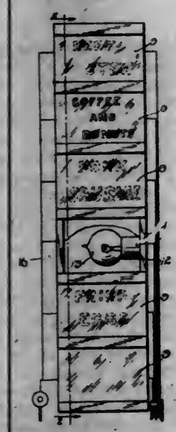
1. In a pumping plant in combination, a centrifugal pump and a motor operatingly connected therewith, a pump chamber and a switching device adapted to be influenced by the liquid level in said chamber for preventing said motor from running.

1,479,097. RAILWAY TIE. PETER C. ICKES, Kans City, Mo., assignor to K. C. Concrete Tie Co., Kansas City, Mo. Filed Aug. 24, 1922. Serial No. 584,069. 8 Claims. (Cl. 238—117.)



1. A railway tie comprising two cementitious rail supporting sections, two nuts respectively embedded in said sections, and a threaded bar engaging said nuts by which the sections are tied together and are adjustable toward and from each other, substantially as set forth.

1,479,098. INDICATING DEVICE. BENNIE JAMES. Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,358. 1 Claim. (Cl. 40—132.)



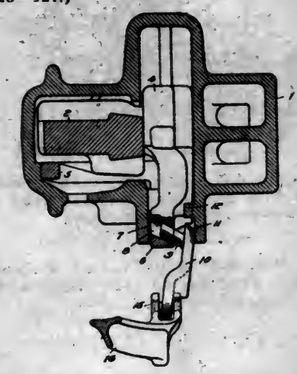
In an indicating device of the character described, a glass slide, a coating of opaque composition on one side of said slide, said composition being removed from portions of said slides to form legends designating certain articles, and a coating of white translucent composition on the opposite side of said slide, whereby the said legends may not be viewed from one side of said slide.

1,479,099. STOCKING SUSPENDER. HUGH SNOWIE JONES, Lancaster Gate, London, England. Filed Nov. 16, 1922. Serial No. 601,395. 3 Claims. (Cl. 24—245.)



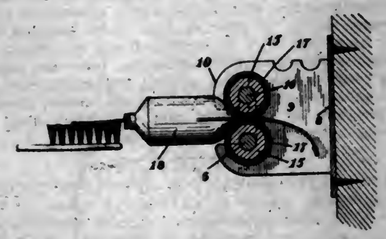
3. A garment suspender of the kind described, comprising a flexible backing member having a stud-like projection, a member hinged to the backing member and having a keyhole-shaped slot in which the projection is adapted to slide, a hook on the slotted member in the neighbourhood of the narrow end of the slot, a ring connected by a strip of elastic material to the upper end of the slotted member and adapted to slip over the projection and also over the hook when the said strip is slightly stretched and means for releasing the ring from the hook.

1,479,100. CAR COUPLER. WILLIAM KELSO, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 5, 1923. Serial No. 630,138. 8 Claims. (Cl. 213—127.)



1. In a car coupler, the combination with a coupler head, of a knuckle pivotally mounted thereon, a vertically movable and rearwardly swinging lock for said knuckle, and a lock lifter for actuating said lock, said lifter being slidably and pivotally connected to said lock so as to be capable of sliding with respect thereto transversely of said head and also being capable of pivoting with respect to said lock when the latter executes its rearward swinging movement, and said head having a shoulder which is adapted to cooperate with said lifter when the latter is in locked position to prevent said lock from accidentally moving to unlocked position.

1,479,101. SQUEEZING APPLIANCE. ALPHONSE PROSPER LEGENDRE, Fitchburg, Mass. Filed Oct. 4, 1921. Serial No. 505,225. 2 Claims. (Cl. 221—60.)

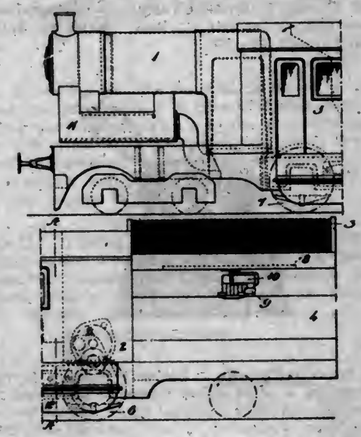


1. A squeezing device including a back, a pair of side members formed at the edges thereof and substantially perpendicular thereto, one of said members having a slot formed therein, a pair of parallel shafts supported by said sides and each having one end seated in an end of the slot, contacting rollers carried by said shafts, and an opening extending from the slot through the edge of the member.

1,479,102. LOCOMOTIVE PROVIDED WITH AIR-COOLED CONDENSER. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 21, 1922. Serial No. 583,455. 2 Claims. (Cl. 105—38.)

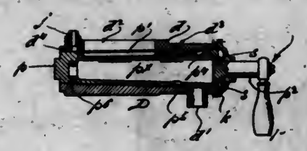
1. In a locomotive provided with an air-cooled condenser and a pertinent steam accumulator operating under vacuum and with the driving engine located between the steam boiler and the condenser of the locomotive, an arrangement, characterized by the steam

boiler, the driving engine and the condenser together with the steam accumulator being placed on the same



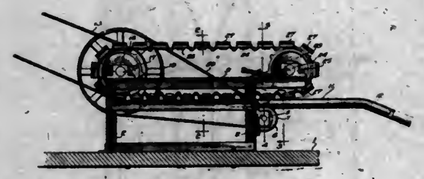
carriage, the driver's cab being located between the steam boiler and the accumulator.

1,479,103. DISPENSING MEANS FOR AERATED BEVERAGES. HARRY C. LYONS, New York, N. Y. Filed May 17, 1922. Serial No. 561,575. 1 Claim. (Cl. 225—26.)



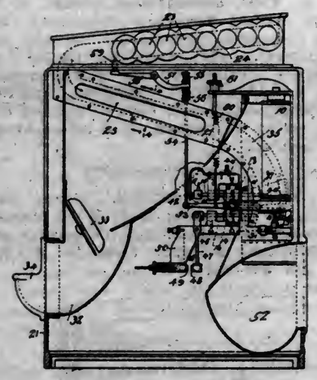
In a device for dispensing aerated beverages, a container for syrup, said container having an outlet communicating with the top of a tapering valve chamber, the top of said valve chamber having an inlet passage connected with a source of carbonated liquid, a discharge outlet on the lower side of said valve chamber, a tapering valve having a measuring chamber seated in said valve chamber, said valve having on one side an aperture adapted to connect the measuring chamber with the syrup outlet passage and a passage adapted to connect the measuring chamber with the discharge outlet and on the opposite side an aperture adapted to be in register with the inlet passage for carbonated water, said valve being free of obstructions at its smaller end, a removable cap on the larger end of said valve chamber, and spring means between said cap and the larger end of said valve for holding the latter to its seat.

1,479,104. CUTTING MACHINE. ARCHIE K. LYTLE, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 17, 1923. Serial No. 663,313. 5 Claims. (Cl. 17—43.)



1. In a device of the character described, a rotatable cutter, a guide arranged over said cutter, a drag plate arranged rearwardly of said cutter, and means for frictionally engaging casings on said guide and said drag plate and feeding them over said cutter.

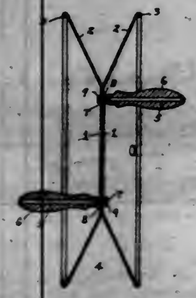
1,479,105. AUTOMATIC COIN CONTROLLING AND REGISTERING MECHANISM. GEORGE WASHINGTON MEYERS, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Aug. 20, 1919. Serial No. 318,772. 5 Claims. (Cl. 235—32.)



1. In a coin registering mechanism the combination of a registering device and circuit controlling means for rendering said device effective to thereby register selective coins passing through said mechanism into a circuit closing zone, a magnet for operating said controlling means, and means whereby said magnet remains energized after said coins have passed beyond said circuit closing zone.

5. The combination, in a coin register, of a registering mechanism, a coin chute, electrically controlled means normally ineffective but rendered effective by a coin in said chute, a motor for operating said mechanism, means for simultaneously closing main and auxiliary circuits and for operating coin advancing and coin retarding mechanism, and means operated by the registering mechanism at the conclusion of its registering function for returning the electrically controlled means to its normal position.

1,479,106. REEL FOR CLOTHESLINES AND THE LIKE. VICTOR G. MOSS, Cleveland, Ohio, assignor to The Champion Register Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 14, 1922. Serial No. 606,810. 2 Claims. (Cl. 242—100.)

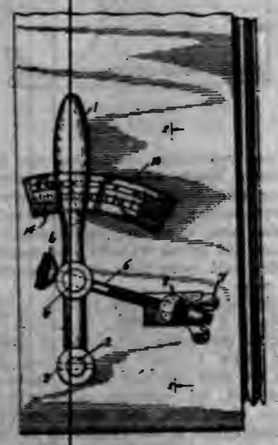


1. In a device of the character described, the combination of two similar disks, each provided with a peripheral outwardly flaring flange, said disks each having two diametrically opposed holes and being placed together with corresponding holes in register and with the flanges thereof extending in opposite directions; bolts passing through such registering holes and clamping said disks together, said bolts extending in opposite directions from said disks; and handles rotatively mounted on said bolts, respectively.

1,479,107. REFRACTORY COMPOSITION. JOHN L. OHMAN, deceased, late of Niagara Falls, N. Y.; by Charles A. White, administrator, Buffalo, N. Y., assignor to Buffalo Refractory Corporation, Buffalo, N. Y., a Corporation of Delaware. Original application filed Nov. 1, 1917, Serial No. 199,792. Patent No. 1,356,939. Divided and this application filed Oct. 9, 1920. Serial No. 415,876. 13 Claims. (Cl. 106—9.)

1. A refractory composition for heat resisting articles, comprising silicon carbide and fused silicon oxide, and crystalline graphite.

1,479,108. ADJUSTING DEVICE. HENRY RENKEN, New York, N. Y., assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed July 5, 1922. Serial No. 573,006. 5 Claims. (Cl. 74—89.)



1. In a screen adjusting device for cameras a handle provided with a slot, a rotatable adjusting rod extending through and freely movable in said slot, said handle being movable relatively to said rod and limited in its movement thereby.

1,479,109. CLEANING IMPLEMENT. WALTER H. RUDOLPH, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 12, 1921. Serial No. 444,364. 4 Claims. (Cl. 15—229.)



1. A brush comprising a holder formed of overlying plate members, a brush pocket formed between said plate members adjacent their marginal edges, said plates being provided with registering cut-out portions inwardly of said pocket for forming a pair of mating cross bars, a wire frame having free ends bent to extend transversely thereof, said frame being positioned within said pocket with the free ends between said cross bars, strands of brush material secured to said frame extending outwardly of said holder between the marginal edges of said plates, and means associated with said cross bars and frame ends for retaining said frame in the holder.

1,479,110. NOZZLE ATTACHMENT FOR OIL GUNS. BERNARD H. SKELLY, Bridgeport, Conn., assignor to Bowen Products Corporation, Auburn, N. Y., a Corporation of New York. Filed June 15, 1921, Serial No. 477,691. Renewed Sept. 17, 1923. 5 Claims. (Cl. 284—1.)



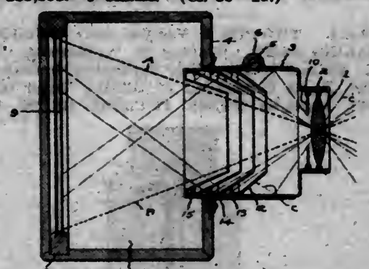
1. An attachment for oil guns embodying a sleeve formed at one end to be received over the nozzle of a grease gun and at its opposite end to be telescoped over a nipple, a shoulder interiorly of the sleeve, and a disk in the sleeve abutting the shoulder and having upper and lower projections the former to engage and unseat the gun valve and the latter to engage and unseat the nipple ball valve, the disk and projections having an oil passage therethrough, the lower disk being formed with a non-circular countersink to engage the ball valve.

1,479,111. EMERGENCY TIRE FOR VEHICLE WHEELS. JOSEPH SLOMER, Waukegan, Ill. Filed Jan. 3, 1922. Serial No. 526,470. 3 Claims. (Cl. 152—23.)



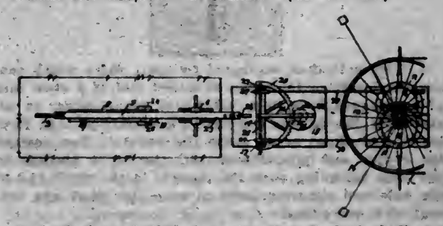
1. An emergency tire for attachment on a standard wheel rim, comprising a flexible, elongated body encompassing the rim and having a flexible strip extending from each end of the tire; a clip at each end of the tire to which the strips are connected, respectively, and a screw for extension thru the valve opening in the rim to hold the clips in place on the rim.

1,479,112. LIGHT ABSORBER FOR CAMERAS. WILL SPARKS, San Francisco, Calif., assignor to The Light-Absorber Camera Company, San Francisco, Calif., a Corporation of California. Filed Apr. 18, 1922. Serial No. 555,353. 6 Claims. (Cl. 95—11.)



1. In a photographic camera means intermediate the lens and the plate thereof and tapering toward the axis of the lens for preventing all but direct light rays reaching said plate.

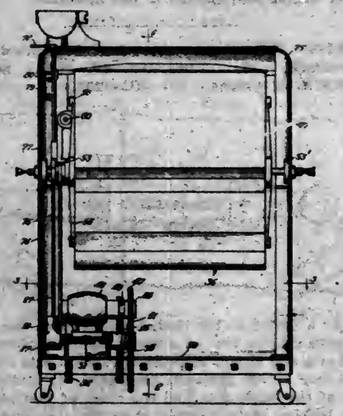
1,479,113. COMBINATION POWER AND JACK. GEORGE A. STAFFORD, Sour Lake, Tex. Filed Apr. 14, 1921. Serial No. 461,890. 3 Claims. (Cl. 74—14.)



1. A device of the character described, including a power wheel, a pair of oppositely disposed eccentrics connected to and operated thereby, a pump jack, and a mechanism through which said eccentrics are connected to said jack to operate the same, said mechanism including gearing which imparts two strokes to the jack for each revolution of the power wheel.

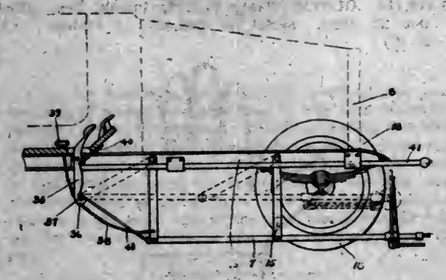
1,479,114. POWER-TRANSMITTING MECHANISM. CARL W. SWANSON, Chicago, Ill., assignor to Apex Appliance Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 29, 1920. Serial No. 369,544. 5 Claims. (Cl. 74—60.)

1. A power transmitting mechanism having a power shaft divided transversely into two aligning members, one of which is axially movable; a gear on the axially fixed aligning member; an elongated pinion on the axially movable member near the mid portion thereof; a bearing at each end of the axially movable member within



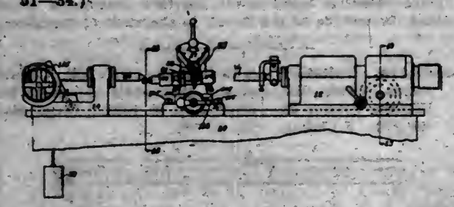
which said member is movable; clutch members at adjacent ends of the two shaft members and means substantially enclosing the clutch members.

1,479,115. SAFETY DEVICE. MICHAEL THIERY, Cincinnati, Ohio. Filed Jan. 17, 1923. Serial No. 613,295. 16 Claims. (Cl. 293—37.)



1. In a device of the class described the combination with a main fender of an auxiliary fender and a supplemental fender contractible within the body line of the main fender, and means for extending the auxiliary and supplemental fenders beyond the body line of the main fender.

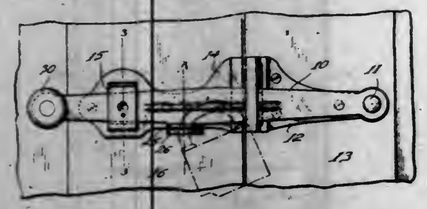
1,479,116. THREAD-GRINDING MACHINE. EDWIN R. TOZER, Lakewood, Ohio, assignor to The J. C. Ulmer Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 24, 1920. Serial No. 361,060. 26 Claims. (Cl. 51—34.)



1. In combination, a tail stock comprising two upright standards, a spindle slidably mounted in each standard, said spindle having rack teeth on the under side thereof, a pinion extending transversely of the

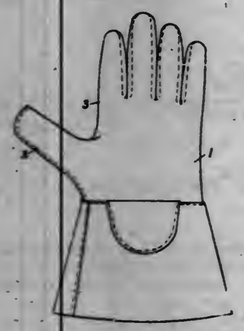
spindle and having an extension projecting beyond the sides of the standard, a pulley mounted on the extension, and gravitational means extending over the pulley for urging said spindle in one direction.

1,479,117. DOOR LATCH. RAY F. TRIMMER, East Cleveland, Ohio. Filed Oct. 19, 1921. Serial No. 508,675. 2 Claims. (Cl. 292—205.)



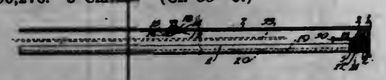
1. In a device of the character described, the combination with a latch arm, of a keeper therefor, plates for the latch arm and keeper respectively, one of said plates having a loop struck upwardly therefrom for limiting movement of the latch arm, and the other of said plates having a bearing surface struck upwardly therefrom and extending transversely of the latch arm and comprising a fulcrum therefor, said keeper having an inwardly extending protuberance and said latch arm having a recess cooperating with said protuberance for locking the latch arm to the keeper when said latch arm is constrained over said fulcrum.

1,479,118. GLOVE. VASLE VINCIN, Humble, Tex. Filed Oct. 22, 1921. Serial No. 509,637. 2 Claims. (Cl. 2—9.)



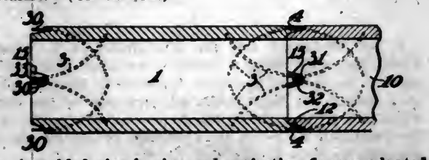
1. A glove whose palm, thumb, first finger and the front part of the other fingers are formed of a single piece of material, and the backs of all of the fingers, excepting the first finger are formed of separate strips of material, the material between the thumb and first finger being formed into a crotch, and the edges of the thumb material being sewed together forming a seam along the outside of the thumb to the wrist of the glove.

1,479,119. GARMENT-MEASURING DEVICE. JOHN VRANA, Cicero, Ill., assignor of one-half to George B. Efantis, Cicero, Ill. Filed Aug. 6, 1921. Serial No. 490,276. 5 Claims. (Cl. 33—9.)



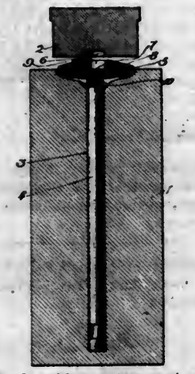
3. In a device of the type described, a U-shaped member having spring arms, two measuring bars respectively carried by the arms of said member, a marking member carried by one of said bars and adapted to be brought into engagement with the other bar, a set screw carried by said U-shaped member, and a third measuring bar slidably and rotatably supported by said set screw, said third-named measuring bar being movable at will into substantial alignment with the first-named bar.

1,479,120. MOLDED PIPE AND TIE LOCK. EDGAR L. WARNER, Seattle, Wash., assignor to Concrete Pipe Company, Seattle, Wash., a Corporation of Washington. Filed Apr. 19, 1922. Serial No. 555,607. 4 Claims. (Cl. 72—53.)



1. A molded pipe having end projecting flanges adapted for nesting engagement, and also having peripheral recesses at their ends and tie rods imbedded in the walls with portions projecting into said recesses and adapted to interlock with like rods of adjacent assembled pipe sections by passing one through a loop of the other and then bending it over to form an interlocking hook end.

1,479,121. TWO-PIECE VALVE AND METHOD OF MAKING SAME. WILLIAM H. WASHBURNE, Chicago, Ill., assignor to The Oliver Typewriter Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,948. 11 Claims. (Cl. 29—156.7.)



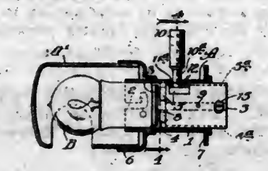
1. The method of making a two-part valve which consists in inserting the screw threaded end of a stem into a cone-shaped hole in a valve-head blank larger in diameter at the smaller end than the stem, and then forging the blank so as to cause the metal to flow toward the center and progressively fill the screw threads in the stem beginning with the threads in the small end of the hole and simultaneously give to the blank the contour of a valve-head.

1,479,122. COMBINED FIREARM AND GRENADE DISCHARGER. SAMUEL WILEY, Metuchen, N. J. Filed Nov. 8, 1923. Serial No. 673,443. 9 Claims. (Cl. 42—1.) Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



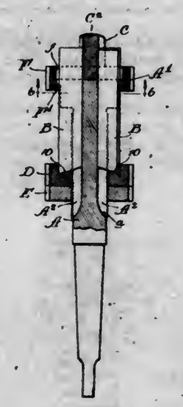
9. A combined fire arm and grenade discharger embodying a fire arm adapted to be used as an ordinary service weapon and provided with a butt having means for discharging a grenade therefrom.

1,479,123. ELECTRIC CONNECTER. CARL I. WILLE, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 20, 1919. Serial No. 318,695. 3 Claims. (Cl. 173—346.)



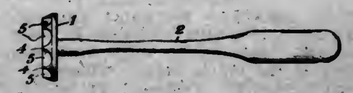
1. In a device of the character set forth, the combination of a shell having one end constructed to serve as a socket, said shell being provided with a cam slot, a plug of insulating material in said shell, contacts in said plug comprising metallic sleeves affording spring sockets, springs in said sockets, and plungers above said springs, one of said sleeves having a cutaway wall, and a stem projecting laterally from the corresponding plunger through said cutaway wall and working in said cam slot, whereby the plunger may be retracted by rotating it on its own axis.

1,479,124. COUNTERBORING OR COUNTERFACING TOOL. FRANK D. WINKLEY, Chicago, Ill. Filed May 29, 1922. Serial No. 564,413. 4 Claims. (Cl. 77—58.)



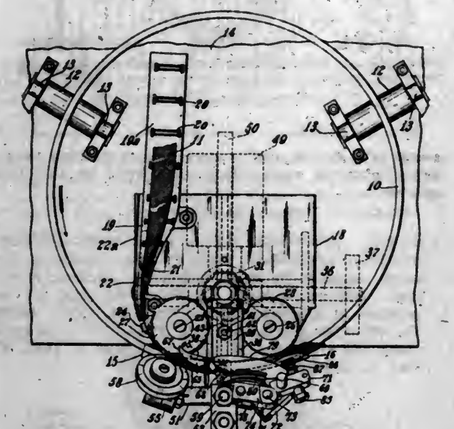
1. A counterboring or counterfacing tool, comprising a member in which the cutters are engaged for rotation, consisting of a main body constituting the stem or base of the tool, and a terminal separable from said stem or base, said separable terminal having a centering nipple and a peripheral flange which abuts transaxially on the end of the main body, and means engaging said flange and the main body for securing the latter and said terminal together.

1,479,125. JUICE EXTRACTOR. THOMAS O. ALGER, Bridgeport, Conn. Filed May 8, 1923. Serial No. 637,413. 2 Claims. (Cl. 146—3.)



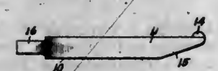
1. A juice extractor comprising a circular head having a handle extending from its rear face, the front face of the head formed with flaring concave depressions which converge toward the center of the head, the side walls of said depressions merging into ridges that are all in one plane at right angles to the axis of said head.

1,479,126. RING-COVERING APPARATUS. JAMES L. BUTLER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,238. 9 Claims. (Cl. 154—9.)



1. In an apparatus of the class described, the combination of means for supporting a ring in a horizontal position, means for circumferentially propelling the ring, a guide structure adapted to twist a strip of covering material from a horizontal to a vertical plane and guide it longitudinally onto the inner side of the ring with the lower edge of the strip in a predetermined position relative to the lower side of the ring, and means for folding the free upper edge of the strip outwardly over the ring.

1,479,127. MACHINE CLAMP. HARRY CADWALLADER, Jr., Philadelphia, Pa. Filed Mar. 15, 1921. Serial No. 452,558. 6 Claims. (Cl. 90—59.)

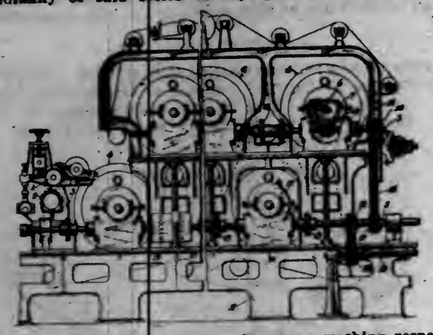


1. In a clamp for machine work, the combination of a body of substantially U-shape forming a pair of jaws, each paw having a rounded gripping surface, a lug axially disposed at the opposite end of said body from said jaws and arranged to be inserted in an opening formed in the material to be clamped, and means to clamp said body in operative position.

1,479,128. PAPER-MAKING MACHINE. WILLIS S. CRANDELL, Elsmere, N. Y., assignor to Albany Paper Mill Machinery Company, Inc., Albany, N. Y., a Corporation of New York. Filed Nov. 14, 1922. Serial No. 600,855. 7 Claims. (Cl. 34—48.)

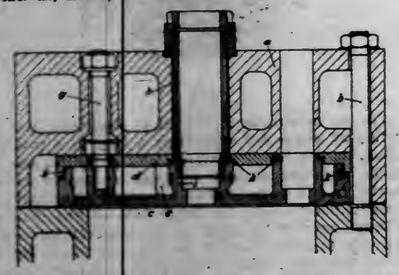
1. A paper-making machine comprising a series of drying rolls having spindles and carrying gears adjacent

ends of their spindles, a driving shaft extending longitudinally of said series of drying rolls adjacent said



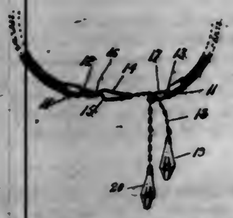
gears, said driving shaft carrying gears meshing respectively with the gears which are carried by the drier spindles.

1,479,129. CYLINDER HEAD FOR INTERNAL-COMBUSTION ENGINES. KARL FEILNER, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nuernberg Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed June 29, 1921. Serial No. 481,382. 6 Claims. (Cl. 123—173.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. A cylinder head for internal combustion engines made in two main parts and having in combination an external part to take up the working stresses, and a bipartite internal part consisting of two separate wrought iron pieces machined and united so as to form water spaces between them.

1,479,130. FASTENER. THEODORE W. FOSTER, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Dec. 20, 1921. Serial No. 523,733. 5 Claims. (Cl. 24—201.)



A fastener comprising an eye member, a fastener member adapted to engage said eye, a flexible member passed through said eye and connected with said fastener, and a stop on said flexible member limiting movement thereof in one direction through said eye.

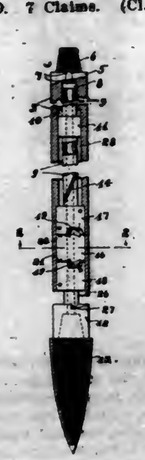
4. A fastener comprising an eye member, a wire loop pointed at one end and provided with oppositely extending yielding shoulders for engaging and releasably retaining said fastener in the eye, and a flexible member carried by the fastener and passed through the eye and having a stop member on its outer portion to engage the eye and limit the separating opening movement of said members.

1,479,131. MINE-RAIL FASTENER AND ANTI-SPREADER. CHARLES E. FOWLER, Allais, Ky. Filed Dec. 13, 1922, Serial No. 606,569. Renewed Nov. 22, 1923. 1 Claim. (Cl. 238—10.)



In mine car track-ways, wherein the end rails thereof, are laid upon their side and between adjacent rails of the track-way, means for securing the end rails to the adjacent rails, said means including a flat-like bar member extending beneath the rails, hooks upon the opposite ends of the bar member for engagement with the base portion of the outer rails, vertical brackets secured to the bar member adjacent the base of the end rails, and wedge blocks between the brackets and said bases of the end rails.

1,479,132. COMBINATION REVERSING JAR. LEO J. GIANELLA, Long Beach, Calif. Filed Sept. 18, 1922. Serial No. 588,889. 7 Claims. (Cl. 294—86.)



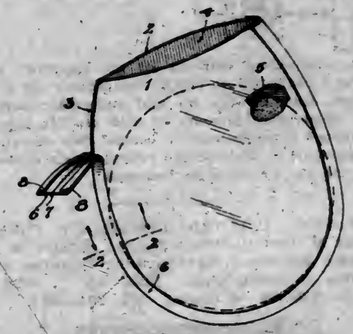
1. In a deep well tool, a body member, a stem member shiftably and turnably disposed in the body, and ratchet means in the body adapted to free the stem so as to allow the stem to slide in longitudinal direction in relation to the body without turning.

1,479,133. DIASTATIC MATERIAL AND PROCESS OF MAKING THE SAME. HERBERT C. GORE, Takoma Park, Md.; dedicated, by mesne assignments, to the people of the United States. Filed May 22, 1922. Serial No. 640,779. 5 Claims. (Cl. 195—32.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

5. A new process of preparing diastatic and other enzymes consisting of precipitating an aqueous extract

containing enzymes with tannic acid or other tannin-containing material, separating the enzyme bearing precipitate, and digesting it with an aqueous preparation of protein capable of reacting with tannin and thus set free a large proportion of the enzyme.

1,479,134. POWDER-PUFF HOLDER. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,823. 4 Claims. (Cl. 150—1.)



2. An article of the class described comprising a bag having a reinforcing strip extending about its edge and adhesively secured thereto, said strip being provided with thickened edges and a thinner central portion.

1,479,135. POWDER-PUFF HOLDER. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,824. 2 Claims. (Cl. 150—52.)



1. An article of the class described comprising a powder puff bag composed of two sections of material with their edges united, a flat contracting strip permanently secured for its entire length, upon the inner face of said bag and at a distance from the upper edge thereof and normally tending to contract the mouth of the bag to provide a shirred skirt portion above said strip and a substantially closed puff-receiving chamber below the same.

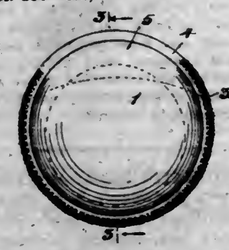
1,479,136. POWDER-PUFF HOLDER. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,825. 1 Claim. (Cl. 150—52.)

An article of the class described comprising a pair of flat, substantially circular disks of expansible material, said disks being secured together at their edges for a portion of their circumference, leaving an expansible



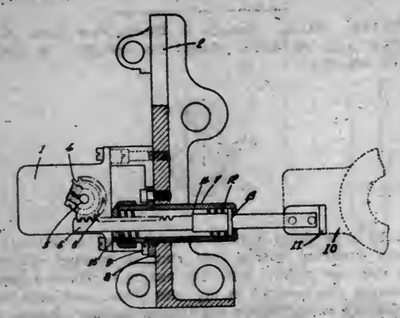
opening of less length than the diameter of the disks, and detachable means for uniting together the unsecured portions of the disks to close the opening.

1,479,137. POWDER-PUFF HOLDER. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,826. 5 Claims. (Cl. 150—52.)



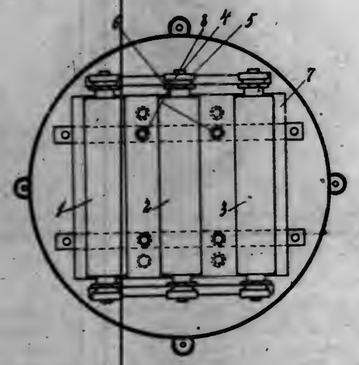
2. An article of the class described comprising a pouch having a pair of opposing flaps on opposite sides of the pouch opening and a strip of material extending across the inner face of one of said flaps and intended to overlie a portion of an article contained within the pouch.

1,479,138. MACHINE GUN. GEORGE HAZELTON, Battersea, London, England, assignor to Vickers Limited, Westminster, London, England. Filed July 30, 1920. Serial No. 400,203. 4 Claims. (Cl. 89—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



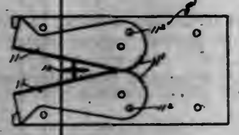
2. In a machine gun of the barrel recoiling type, the combination with a reciprocating part of the gun, of a counter, a member interposed between said part and said counter and a spring operating on said member to effect movement of this member, during the forward movement of the barrel after recoil, to operate the counter.

1,479,139. ELECTRIC HEATING APPARATUS. OLE ANTON JOHANSEN, Christiania, Norway. Filed Nov. 20, 1922. Serial No. 601,953. 2 Claims. (Cl. 219—37.)



1. In an electric heating apparatus, a heat accumulating or transmitting body, channels open at both ends through said body and interchangeable heating elements fitting into said channels, said heating elements having means at one end for connection to one electric supply conduit, and means at the opposite end for connection to the other electric supply conduit.

1,479,140. AUTOMATIC BREAD-MAKING MACHINE. JOSEPH KENNEDY, Providence, R. I. Filed Apr. 7, 1922. Serial No. 550,503. 7 Claims. (Cl. 107—9.)



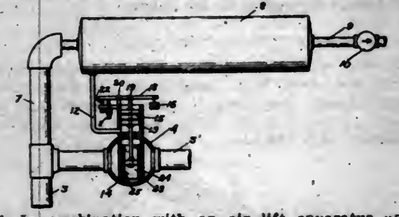
5. In a machine for forming loaves of bread having a molding-board and spring controlled laterally separable jaws pivoted on said board the combination therewith of means mounted on said board and arranged and adapted to limit the opening movement of said jaws.

1,479,141. MILL. HORACE L. KENT, New York, N. Y. Filed Aug. 12, 1921. Serial No. 491,687. 6 Claims. (Cl. 83—9.)



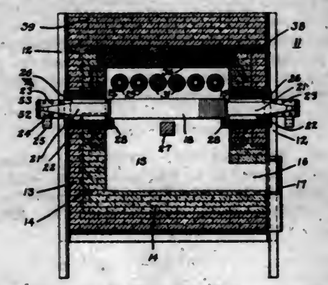
1. In a crushing mill, a grooved ring, a plurality of rollers engaging within said ring, a housing enclosing said ring and rollers, said ring having continuous flanges extending therearound at opposite sides: and said housing having substantially continuous annular flanges, the flanges on said housing overlapping and extending within and being spaced from the flanges on said ring whereby material fed into the housing is prevented from falling outside of the ring, there being formed a narrow annular space for discharge of crushed material over the outer edges of the flanges on the ring between the spaced apart annular flanges on the housing and ring.

1,479,142. AUTOMATIC AIR-LIFT-CONTROL SYSTEM. CHARLES I. LINDAU, Hurley, N. Mex., and EDWARD J. FRANKLIN, Salt Lake City, Utah. Filed Mar. 14, 1922. Serial No. 548,741. 8 Claims. (Cl. 103—232.)



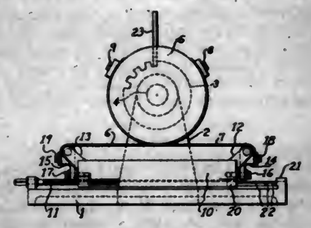
1. In combination with an air lift apparatus and a compressor connected to supply compressed air to such apparatus, control means for said compressor responsive to the submergence pressure of said air lift apparatus and adapted to automatically control the operation of the compressor to increase the volume of air compressed thereby as the submergence increases.

1,479,143. ELECTRIC RESISTANCE FURNACE. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,388. 6 Claims. (Cl. 204—64.)



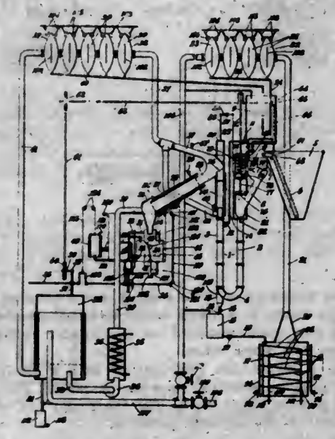
1. In an electric-resistance furnace, in combination, a plurality of refractory walls enclosing a furnace chamber, a plurality of refractory muffle tubes extending through said chamber, and a relatively narrow, elongated refractory resistor member located in the chamber below said muffle tubes and extending transversely thereof, thereby obtaining a predetrmined temperature gradient from the intermediate portion of said muffle tubes to the ends thereof.

1,479,144. MACHINE FOR PRODUCING INDEX DISKS AND THE LIKE. AXEL FREDRIK THURE LÖFQUIST, Utbynas Villa tad, near Gottenborg, Sweden, assignor to Aktiebolage Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed May 4, 1921. Serial No. 466,787. 6 Claims. (Cl. 90—59.)



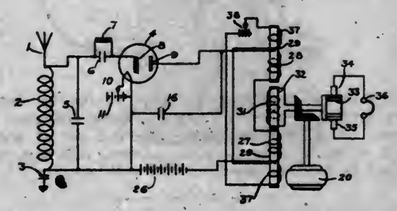
1. A device comprising in combination a frame, means thereon for holding the work to permit of its angular movement, a member adapted to be connected with the work in co-axial relation thereto, a turning band engaged with said member, and means for displacing the band to turn the work; whereby the amount of angular movement may be determined by measuring the amount of displacement of the band.

1,479,145. EXTRACTION OF SOLUBLE CONSTITUENTS OF MATERIALS. JOSEPH MCMAHON and JAMES A. MCMAHON, Brooklyn, N. Y. Filed Mar. 8, 1920. Serial No. 364,152. 10 Claims. (Cl. 87—6.)



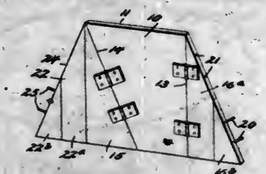
1. A process of extracting soluble constituent from material containing it which comprises or includes the passing of a continuous flow of volatile menstruum in one direction through a continuous stream of material to be treated moving in the opposite direction to dissolve the soluble constituent from such material, heating the residue as it is discharged and passing through it an inert gas, saturated at atmospheric temperature with the menstruum vapor and thereafter heated to remove from the residue the menstruum remaining therein, cooling the combined inert gas and menstruum vapor to condense menstruum therefrom, returning the menstruum for further use in the process, and reheating it for further use in the process.

1,479,146. WIRELESS RECEIVING SYSTEM. RALPH E. MARBURY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1921. Serial No. 449,649. 15 Claims. (Cl. 250—20.)



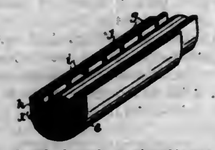
1. A system for amplifying received signal current comprising a source of unidirectional signal current, a dynamo-electric machine, a source of power operating the rotor of the machine, a steady source of excitation for said machine, and means affected by the unidirectional signal current for producing a change in magnetic flux in the machine to effect current output.

1,479,147. EDUCATIONAL APPLIANCE. JOHN C. MARKWORTH, Cleveland, Ohio. Filed Aug. 1, 1923. Serial No. 654,974. 3 Claims. (Cl. 35—2.)



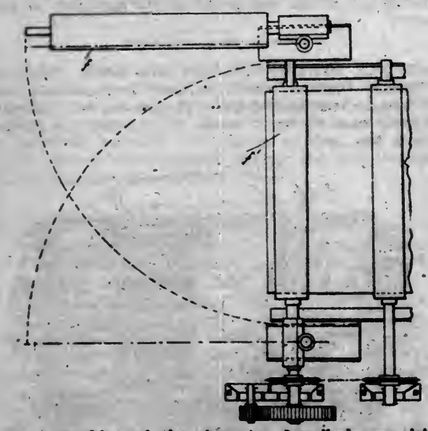
1. In an educational appliance, a board, a pair of flaps hingedly connected to said board, and separate triangular members attachable to said flaps.

1,479,148. PACKING. CHARLES I. E. MASTIN, Midland Park, N. J. Original application filed Aug. 4, 1920, Serial No. 401,145. Divided and this application filed Dec. 5, 1921. Serial No. 520,197. 6 Claims. (Cl 154—45.5.)



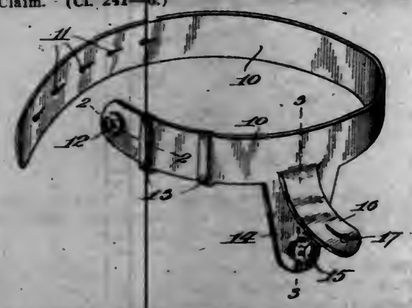
1. The method of forming simultaneously two elongated packings each having a longitudinal working face composed in part of wear-resisting material and in part of material more yielding than the wear-resisting material which consists in forming an elongated mass whose constituents are adhesively joined together and including coils arranged around a common axis extending longitudinally of the mass and side by side and alternating ones of which are composed of wear-resisting material and the remainder of material more yielding than the wear-resisting material, and then severing the mass lengthwise in a plane bisecting the coils.

1,479,149. APPARATUS FOR THE MANUFACTURE OF WELDLESS TUBES FROM FIBROUS MATERIALS AND HYDRAULIC CEMENT SUBSTANCES. DIEGO MATTEI and ADOLFO MAZZA, Genoa, Italy. Filed July 8, 1920. Serial No. 394,814. 3 Claims. (Cl. 92—66.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A machine of the character described comprising two supporting mandrels, and means rotatably supporting said mandrels for swinging movement about different axes, whereby the mandrels may be alternately moved to operative position.

1,479,150. GARTER. GROVER B. MELLUS, Los Angeles, Calif. Filed May 11, 1922. Serial No. 560,041. 1 Claim. (Cl. 241—6.)



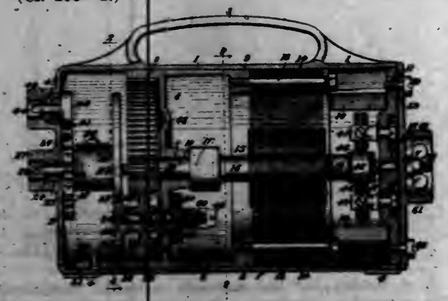
As a new article of manufacture, a garter composed wholly of rubber and including a leg encircling strap, one end being provided with a series of apertures, an aperture engaging stud projecting from the other end of said strap, a pair of tabs formed integral with and depending from the strap, the inner one of said tabs being provided with a stud and the outer one of said tabs being provided with an aperture that is adapted to receive said last mentioned stud.

1,479,151. PROTECTIVE COVER FOR ARTICLES. ALBERT E. F. MOONE, Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company, a Corporation of Ohio. Filed June 14, 1920. Serial No. 388,765. 4 Claims. (Cl. 150—54.)



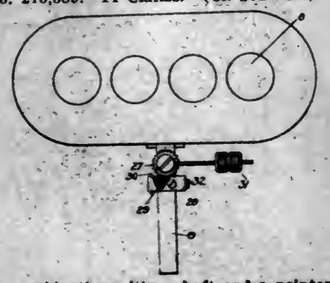
1. A protective cover for articles adapted to cover the edges thereof, a pocket arranged along the edge of said cover, and a cord member located within said pocket, adapted to hold the cover in position, said member fixedly held within said pocket at the ends only of said pocket.

1,479,152. DYNAMO-ELECTRIC MACHINE. ROMAINE MYERS, Oakland, Calif., assignor to California Cap Company, Oakland, Calif., a Corporation of California. Filed Mar. 8, 1921. Serial No. 450,599. 2 Claims. (Cl. 290—1.)



2. A dynamo electric machine including a casing, a generator therein adjacent one end, means within the casing at its opposite end for operating the generator, an external circuit extending from the generator field and exteriorly of the casing through the generator end, a contact device across the generator field, and means actuated by the generator operating means for opening said contact device and maintaining the same open on and after the generator attains its maximum speed.

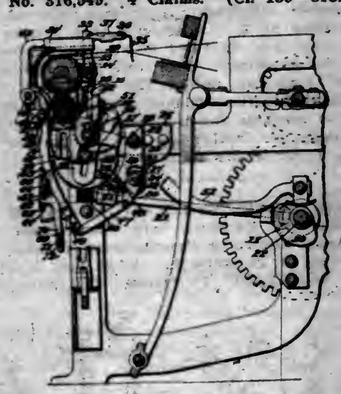
1,479,153. ELECTRICAL MEASURING INSTRUMENT. WALTER G. MYLIUS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1918. Serial No. 215,389. 14 Claims. (Cl. 171—34.)



1. The combination with a shaft and a pointer mounted on the shaft, of a worm wheel mounted on the shaft, and a worm screw mounted on the pointer and adapted to engage the worm wheel.

11. In a meter, the combination with a shaft and a pointer loosely mounted thereon, of means for adjusting the pointer relatively to the shaft and for retaining the pointer in its adjusted position.

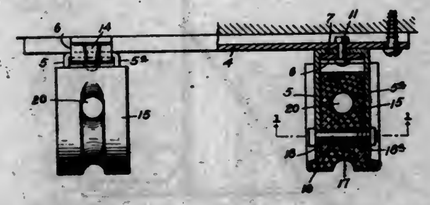
1,479,154. TAKE-UP MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1919. Serial No. 316,549. 4 Claims. (Cl. 139—313.)



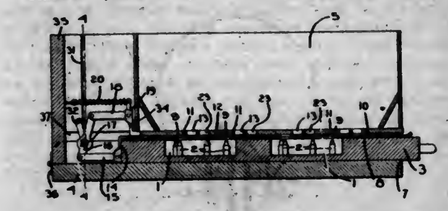
1. A take-up mechanism for looms having, in combination, driving members including a worm and gear, and means for moving the worm into and out of engagement with the gear including a cam, said cam being shaped to lock the worm in both positions.

1,479,155. INSULATOR SUPPORT OR BRACKET. CHARLES L. PEIRCE, Jr., Pittsburgh, Pa., assignor of one-half to Hubbard & Company, a Corporation of Pennsylvania. Filed Feb. 23, 1918. Serial No. 218,802. 4 Claims. (Cl. 173—366.)

1. The combination with an insulator support having outwardly projecting arms, of an insulator straddled by said arms and having an arm receiving groove formed in each lateral face thereof, a wire receiving aperture extending therethrough intermediate said faces, a peripheral groove extending partially around the insulator and terminating at each end in said wire receiving aperture and a bolt receiving aperture terminating in said arm receiving grooves, and a bolt extending through said bolt receiving aperture and through registering apertures formed in said arms.

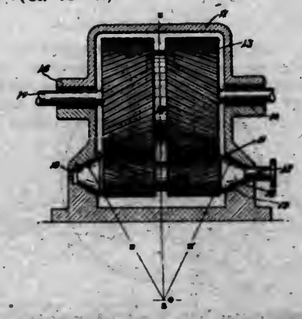


1,479,156. APPARATUS FOR LOADING HEEL MOLDS WITH WASHERS. GEORGE R. PRESCOTT, Somerville, Mass. Filed Mar. 2, 1923. Serial No. 622,370. 6 Claims. (Cl. 18—1.)



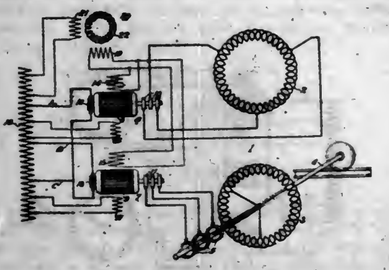
4. In a device for loading washers into the heel cavities of a heel mold, the combination with a hopper to receive washers loosely, of a delivery plate provided with apertures having the same spaced relation as the washer-receiving pins of the heel mold, a mold-receiving guideway beneath the plate, and means operated by the insertion of the plate in said guideway into a position with its pins in alignment with the apertures of the delivery plate to deliver washers from said hopper through said apertures onto the pins.

1,479,157. BEARING FOR GEARING. IRA SHORT, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Dec. 20, 1921. Serial No. 523,673. 10 Claims. (Cl. 74—7.)



1. A reduction gear comprising a gear member having two rows of opposed, helical teeth, a pinion member having two rows of helical teeth meshing with the gear member teeth, and means for directing a tilting of the pinion in a plane parallel to the plane action of the meshing teeth to evenly distribute tooth pressures.

1,479,158. COMMUTATOR MOTOR. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1919. Serial No. 316,171. 37 Claims. (Cl. 172—274.)



2. A dynamo-electric machine comprising primary and secondary members, and means for independently and simultaneously supplying each of said members with a rotating field, one of said fields being an alternating field of variable speed.

18. The method of operating a dynamo-electric machine comprising primary and secondary members each supplied with power conductively from an auxiliary commutator-type dynamo-electric machine electrically associated therewith, which comprises running said auxiliary machines at speeds in excess of that at which commutation difficulties are pronounced, while the main dynamo-electric machine runs at any speed.

1,479,159. DYNAMO-ELECTRIC SYSTEM. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 15, 1919. Serial No. 317,689. 5 Claims. (Cl. 172—274.)

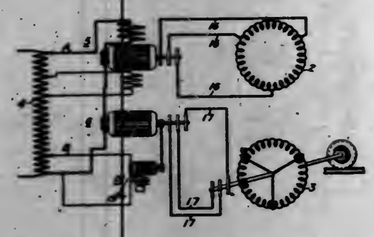


1. The combination with a series-type single-phase commutator machine, of polyphase current-distributing members connected to the armature winding of said machine, a second machine having a polyphase member and a relatively rotatable single-phase member, and connections between said polyphase member and said polyphase current distributing members.

1,479,160. COMMUTATOR MOTOR. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1919. Serial No. 328,808. 11 Claims. (Cl. 172—274.)

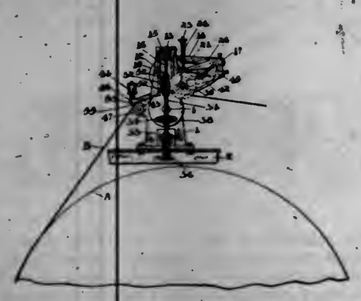
1. A dynamo-electric machine comprising primary and secondary members, and auxiliary single-phase dynamo-electric machines electrically associated therewith to furnish currents conductively to each of said members, the frequency of said currents being dependent upon the speeds of said auxiliary machines, at least one of said currents being polyphase currents of such nature as to produce a rotating alternating field, series exciting windings for at least one of said auxiliary machines, and means for varying the speeds of said auxiliary machines, the algebraic difference in the speeds of said auxiliary machines determining the absolute speed of said first-named dynamo-electric machine.

8. The method of operating a dynamo-electric machine comprising primary and secondary members, each conductively supplied with power from auxiliary machines electrically associated therewith, the latter being energized from a variable source of electromotive force, which comprises running one of the auxiliary machines



at a predetermined speed, irrespective of the voltage applied thereto, and feeding one member of the main dynamo-electric machine therefrom, the speed of the other auxiliary machine being determined by the magnetic action between the primary and secondary members of the main dynamo-electric machine.

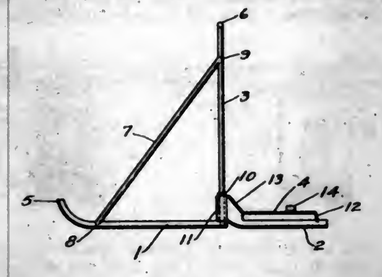
1,479,161. MACHINE FOR SEMITRIMMING AND MARKING WALL PAPER. EDMUND G. STAUNTON, Toronto, Ontario, Canada. Filed Sept. 8, 1922. Serial No. 587,029. 10 Claims. (Cl. 91—14.5.)



1. Apparatus for partly trimming the selvages of a web of wall paper provided with means for automatically suspending the operation of said means for a predetermined period at regular predetermined intervals and with means for varying the length of said intervals without varying the periods of suspension.

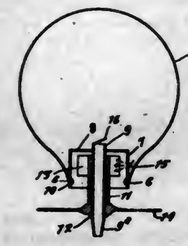
1,479,162. SKI SLED. PETER J. SWANSON, Seattle, Wash. Filed Dec. 14, 1922. Serial No. 606,769. 2 Claims. (Cl. 280—23.)

2. A device of the type described embodying a triangular shaped frame; the base or horizontal member of which is constructed of an inverted T bar with its forward end projecting beyond the diagonal member and curved upward and the vertical member of which extends upward from the rear end of the base member and has handles at each side of its upper end and a collar around it a short distance above the base member; and a smaller frame with an inverted T shaped base member having its forward end slightly curved upward, and a horizontal plate with its forward end bent upward and a clip on



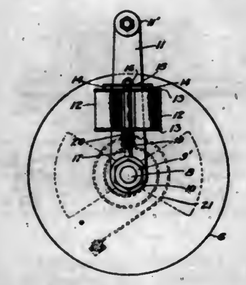
it above the base member; said smaller frame being pivotally attached to the vertical member of the triangular shaped frame.

1,479,163. TOY BALLOON. THOMAS P. TYRRELL, Akron, Ohio. Filed May 16, 1922. Serial No. 561,476. 3 Claims. (Cl. 244—3.)



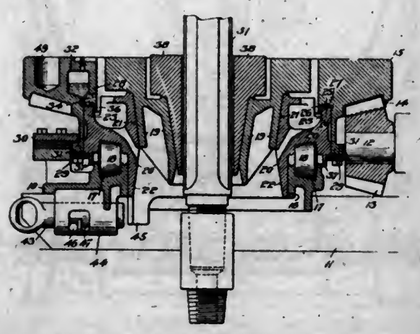
1. In combination, a toy balloon, a closure member secured in the mouth thereof, a valve controlled inflation stem extending through said closure member, a hollow shaft rotatably mounted on said stem, an air turbine associated with the upper end of said shaft, a propeller secured to the lower end thereof and an opening arranged in said closure member to permit air to escape therethrough and operate said turbine.

1,479,164. SAFETY DEVICE FOR CONTROLLERS. JOHN J. WAY, Edgeworth, Pa. Filed May 18, 1921. Serial No. 470,538. 8 Claims. (Cl. 70—50.)



1. The combination with a controller having a movable member and an operating member for effecting the movement thereof, of magnetically controlled means carried by one of said members having means for cooperation with the other member for normally retaining the operating member in operative connection with the movable member.

1,479,165. DUPLEX-TABLE ROTARY DRILLING MACHINE. VICTOR W. ZILEN, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Mar. 3, 1922. Serial No. 540,726. 8 Claims. (Cl. 255—23.)



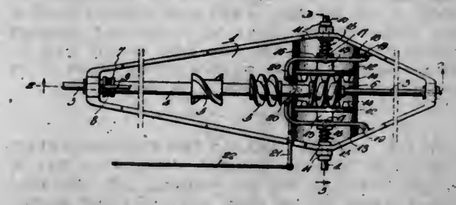
1. In a rotary drilling machine, the combination of the base, a circular race-way in the base, anti-friction elements in said race-way, an inner table rotatable on said anti-friction elements, work gripping means carried by said inner table, an outer table rotatably mounted on the inner table, a second series of anti-friction elements interposed between the two tables, an internal depending skirt on the outer table overlapping the inner table for enclosing the second set of anti-friction elements, and means for locking said tables together for simultaneous rotation.

1,479,166. DEVICE FOR SUPPORTING AND ROCKING PATIENTS. JOSEPH S. AMUSSEN, Los Angeles, Calif. Filed Aug. 29, 1922. Serial No. 584,989. 9 Claims. (Cl. 128—32.)



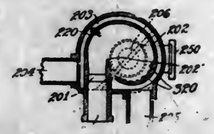
6. A device for supporting and turning a patient, comprising a curved rocking frame, a pair of coupling detachably connected with the ends of the frame, straps connected with the couplings, and a pad supported by the straps.

1,479,167. TRANSMISSION MECHANISM. ALBERT ANDREWS, Sheridan, Wyo., assignor, by direct and mesne assignments, to Andrews Worm Transmission Corporation, a Corporation of Wyoming. Filed Jan. 8, 1923. Serial No. 611,446. 3 Claims. (Cl. 74—36.)



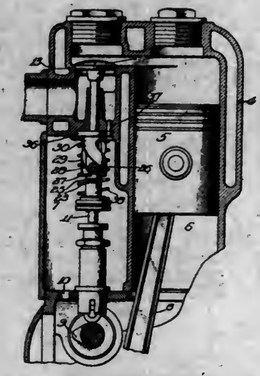
2. A transmission mechanism comprising a pair of axially shiftable and axially alined crown gears, springs normally pressing said crown gears inwardly toward each other, a plurality of axially alined worms adapted for mesh one at a time with said crown gears, means for shifting said crown gears outwardly against the action of said springs, and means for axially shifting said worms.

1,479,168. INLET MANIFOLD FOR INTERNAL-COMBUSTION ENGINES. ROBERT W. A. BREWER, Indianapolis, Ind. Filed Dec. 16, 1919. Serial No. 345,377. 5 Claims. (Cl. 48—180.)



1. An inlet manifold comprising a vortex chamber having two oppositely arranged discharge eyes and a tangential inlet passage, heating means associated with said chamber, and a delivery passage leading from each eye, said delivery passage being bifurcated and the bifurcations lying at an acute angle to each other in the delivery direction.

1,479,169. ROTATOR FOR VALVES OF INTERNAL-COMBUSTION ENGINES. WILMER G. BUCK, Fremont, Nebr., assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation of Nebraska. Filed Mar. 13, 1918. Serial No. 222,119. 2 Claims. (Cl. 123—90.)

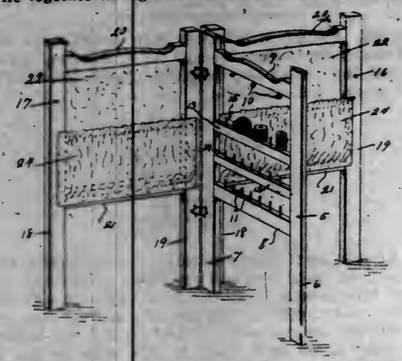


1. In a device of the class described, the combination of a valve stem, a valve secured to the stem, a lower sleeve, a head on the lower end of said sleeve, a non-circular recess in the under face of said head, a washer embracing the stem and having a transverse sliding and non-rotative engagement with said stem, said washer resting in said head recess and having the periphery thereof of complementary configuration to the walls of the recess, the periphery of the washer and the walls of the recess co-operating to form an interlocking non-rotative connection between said stem and sleeve, a sleeve loose on the stem, means for effecting a connection between said fast and loose sleeves upon movement of the stem, and means for imparting a rotative movement to said loose sleeve while said sleeves are connected, whereby a rotative movement is imparted to the stem during the movement thereof, substantially as described.

1,479,170. SEWING STAND. JOSEPH P. CASPARY, Milwaukee, Wis. Filed Sept. 25, 1922. Serial No. 590,556. 3 Claims. (Cl. 228—57.)

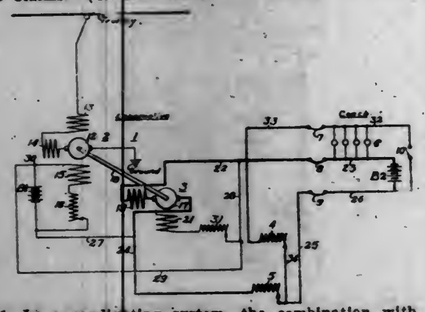
1. A stand of the character described comprising an intermediate frame, means within said frame for supporting spools and balls of material used in sewing, a pair

of end frames hinged upon opposite sides of one edge of said intermediate frame for horizontal swinging movement, all of said frames being of the same size whereby to lie together in registration when folded, and a flexible



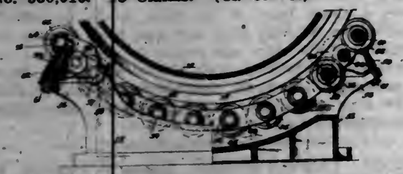
pocket on the inside of each end frame adapted to contain material and articles, said pockets bearing against opposite sides of the spools and balls of material whereby to prevent disengagement thereof from the stand when all the frames are folded together.

1,479,171. TRAIN-LIGHTING SYSTEM. JOHN A. CLARKE, Jr., Edgewood Park, Pa., and MORRIS R. MOODY, Deer Lodge, Mont., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920. Serial No. 396,577. 3 Claims. (Cl. 171—225.)



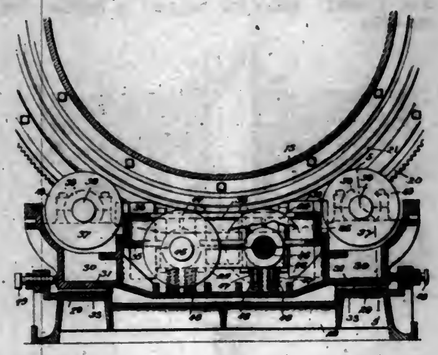
1. In a car-lighting system, the combination with a source of energy, a load, and a counter-electromotive force device, of means connected in circuit with said device and said load to prevent voltage variations on said load in proportion to changes thereof.

1,479,172. GRINDING MILL. DAVID COLE and JULIUS G. BERGMAN, El Paso, Tex. Filed Apr. 6, 1922. Serial No. 550,016. 5 Claims. (Cl. 83—9.)



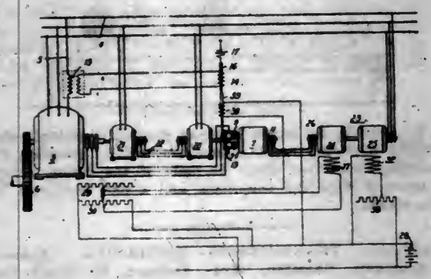
1. The combination with a rotary drum of a flexible supporting member suspended in arcuate form between points adjacent its ends, and a plurality of rolling antifriction elements sustained by said supporting member in rolling contact with said drum.

1,479,173. GRINDING MILL. DAVID COLE and JULIUS G. BERGMAN, El Paso, Tex. Filed Apr. 6, 1922. Serial No. 550,017. 6 Claims. (Cl. 83—9.)



1. The combination of a drum provided with a riding ring; a housing provided with a pair of parallel rollers serving to support said ring; a frame movably mounted in said housing and positively guided thereby to move in a right line toward and from said riding ring; a roller rotatably mounted in said frame on an axis parallel to the axes of the first named rollers; and a spring structure urging said frame toward said riding ring.

1,479,174. REGULATING SYSTEM FOR INDUCTION MOTORS. ADOLPHUS M. DUDLEY, Oakmont, and CHARLES W. KINCAID, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 28, 1917. Serial No. 183,340. 5 Claims. (Cl. 173—274.)



1. The combination with a variable-speed main induction machine, of a frequency changer electrically connected to the secondary of said main induction machine, and dynamo electric means for causing said frequency changer to rotate at the same speed as said main induction machine and for securing correspondence in the angular position of the rotors of the two machines.

1,479,175. CUTTER CLEANER FOR FOOD CHOPPERS. LOUIS C. EDWARDS, Ellington, Conn. Filed Mar. 8, 1923. Serial No. 623,766. 2 Claims. (Cl. 146—188.)

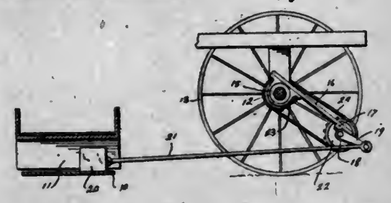
1. A cleaner for the rotary cutter of a food chopper, comprising a cleaning finger adapted for co-action with the periphery of the cutter, and a carrying band for said finger, said band being transversely split and adapted to surround the discharge neck of the chopper, the ends

of the band being extended laterally in spaced parallelism, and a link carried by one of said ends, the other end be-



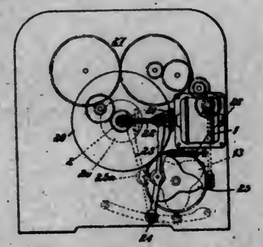
ing shaped to provide a cam over which a portion of the link is drawn to contract the band around said discharge neck.

1,479,176. BELT CLEANER. WILLIAM N. GREEN, Paris, Tex. Filed Mar. 3, 1923. Serial No. 622,586. 2 Claims. (Cl. 198—230.)



1. The combination with a combined elevator and grader including a belt, a belt mounting having openings affording access to the inner face of the belt, an axle driven by the supporting wheels and bearings supporting the axle, of supports rigidly secured to such bearings and extending downwardly and rearwardly thereof, bearings secured to such supports adjacent the free ends thereof, a crank shaft rotatably mounted in such bearings, a block engaging the inner surface of the belt, pitman connection between the crank of the crank shaft and the block whereby the block is reciprocated when the crank shaft is rotated, a driving connection between said crank shaft and said axle.

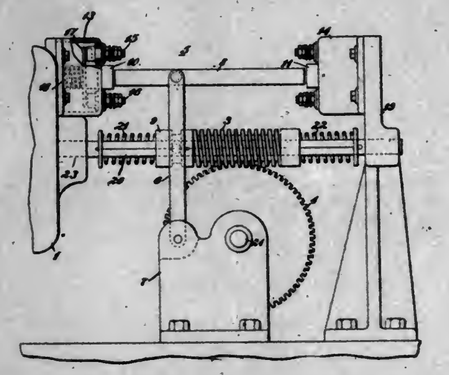
1,479,177. SPEED-CONTROLLING DEVICE. FLETCHER D. HALLOCK and LEWIS WARRINGTON CHUBB, Pittsburgh, and CHARLES T. GUILDFORD, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1919. Serial No. 271,460. 3 Claims. (Cl. 118—82.)



1. In a spinning machine, the combination with a reciprocable ring rail for carrying a ring surrounding a spindle, and a rotatable shaft for rotating said spindle,

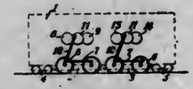
of a friction disk rotatable with said shaft, a constant-speed motor, a friction disk rotatable by said motor for engaging said first-named friction disk to cause rotation of said shaft, and means operatively connected to said motor for moving said second-named disk toward and away from, the center of rotation of said first-named disk in accordance with the position of said ring rail.

1,479,178. SWITCH. ALBERT L. HARVEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 11, 1920. Serial No. 509,573. 5 Claims. (Cl. 81—57.)



1. In a system of control, the combination with a driving motor and a shaft, of means for operatively connecting said driving motor to said shaft, said means comprising a worm, and a worm wheel and means responsive to a movement of said worm in either direction whereby the torque exerted by said shaft is limited to a predetermined value.

1,479,179. MOTOR-CONTROL SYSTEM. LLOYD J. HIBBARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 5, 1921. Serial No. 435,102. 19 Claims. (Cl. 172—179.)

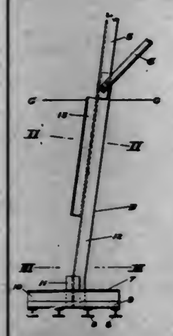


2. In a motor-control system, the combination with an electric locomotive having a plurality of driving wheels and a plurality of motors for actuating said driving wheels, each of said motors having a plurality of windings, of means for successively increasing the torque of said motors throughout a number of steps while maintaining the relation of said windings, said increase in torque of each motor being substantially equal to the allowable accelerating rate of said locomotive.

1,479,180. TOWER CONSTRUCTION. HAROLD O. HILL, Aspinwall, and WILLIAM WILKINSON, Ingram, Pa., assignors to Riter-Conley Manufacturing Company, Leetsdale, Pa., a Corporation of Pennsylvania. Filed July 19, 1922. Serial No. 576,017. 9 Claims. (Cl. 189—21.)

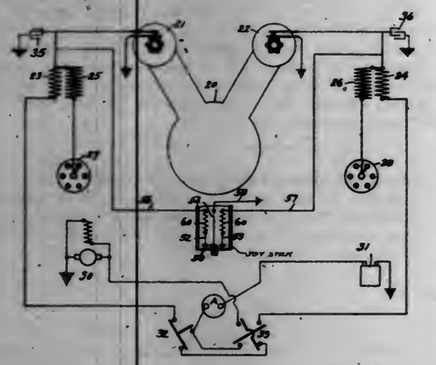
1. A stub for tower constructions comprising a structural member having anchoring means at its lower end, and a reinforcing longitudinally extending member se-

cured to the upper portion of said stub and extending well down toward the center thereof, said member



having means for resisting strains in different directions and giving added surface to the stub for resisting movement in the earth.

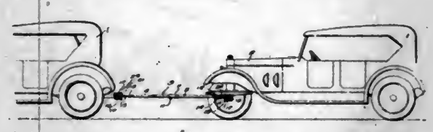
1,479,181. IGNITION CONTROLLER. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Sept. 27, 1918. Serial No. 255,913. 4 Claims. (Cl. 123—148.)



1. In an automotive vehicle having an internal-combustion engine, the combination of a member for controlling the direction of movement of the vehicle; a main ignition circuit for the engine, including a source of direct current, an ignition coil, a timer and circuit connections therebetween; switch mechanism for rendering said ignition circuit inoperative to provide ignition while the main circuit remains intact, said mechanism serving to limit the passage of current from said current source; and manually operable means for controlling the switch mechanism, said means being movable with the said member.

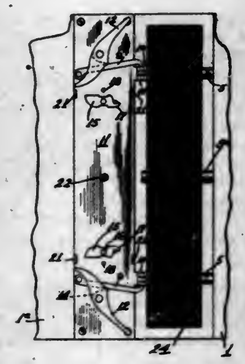
1,479,182. TOW ROD. EDWARD JESCHKE, Bellevue, Ohio. Filed Mar. 21, 1922. Serial No. 545,454. 4 Claims. (Cl. 280—33.14.)

1. A tow rod comprising a pair of tubular members, a sleeve adapted to receive the adjacent ends of said members, an end member arranged in the outer end of each of said members, clamps adapted to embrace a



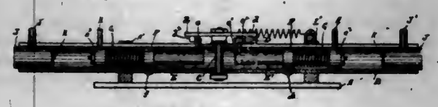
portion of a vehicle transverse members connected to each clamp, and means for connecting said transverse members to said end members.

1,479,183. LOOSE-LEAF BINDER. JOSEPH KAHN, Chicago, Ill. Filed May 1, 1922. Serial No. 557,720. 10 Claims. (Cl. 129—23.)



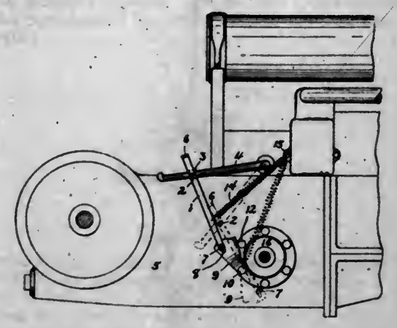
1. In a loose leaf binder having a pair of clamping members with covers hinged thereto, an impaling post anchored at one end in one of said clamping members, a hinge plate inset in the cover of the opposite clamping member, a swingable hinge member pivoted on said plate and adapted for effecting a hinge connection between the other end of said impaling post and said hinge plate, a cover enclosing said hinge member, and an actuator for said hinge member pivoted to said plate and projecting beyond said cover.

1,479,184. BURGLAR ALARM. HENRY L. KESLER, Lundys Lane, Pa. Filed June 11, 1923. Serial No. 644,695. 2 Claims. (Cl. 116—81.)



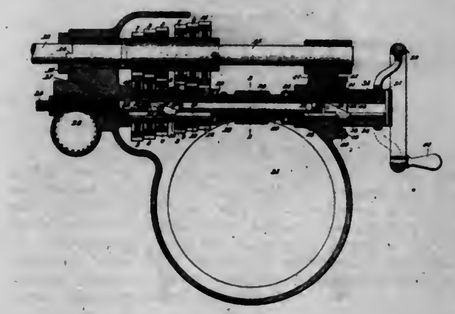
1. In a device of the class described, a tube, having a longitudinal slot in the wall thereof, a trigger lever mounted on said tube, a spring pressed bolt within said tube, a stud post on said bolt projecting outwardly through said slot, means on said trigger lever to engage said stud post, and means to operate said trigger lever to release said spring pressed bolt.

1,479,185. LATCH FOR CLUTCH PEDALS. CARL C. KINT, Ray, Ind. Filed Nov. 7, 1921. Serial No. 513,296. 1 Claim. (Cl. 74—81.)



In a clutch pedal latch for tractors, a link having pivotal support at one end thereof and an elongated slot at the other end and adapted to have limited swinging movement in each direction; a lock lever having pivotal connection with the clutch pedal of the tractor and a sliding connection in the slot of the link; and a tension means engaging the lock lever tending to sustain the link in its opposite positions.

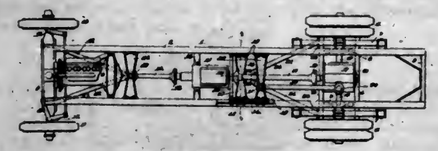
1,479,186. SAFETY HANDWHEEL FOR FEEDING DRILLS. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 6, 1923. Serial No. 623,191. 6 Claims. (Cl. 74—7.)



1. A drilling-machine combining spindle-feeding mechanism including a rotatable shaft; a power-driven shaft; a series of gear-sets; manually-operated means for operatively connecting said two shafts through any one only of said gear-sets; a hand-wheel adapted to be connected to said first-mentioned shaft for its manual operation; and a device for controlling said connection, the position of said device being so determined by the manual means for connecting the gear-sets that said hand-wheel will be positively connected to its shaft only when none of the gear-sets is operative to move the spindle-feeding mechanism.

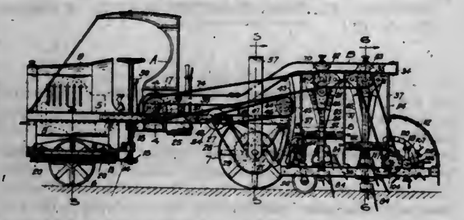
1,479,187. MOTOR VEHICLE. JOHN M. LANSDEN, New York, N. Y. Filed Dec. 2, 1918. Serial No. 264,888. 10 Claims. (Cl. 180—73.)

1. A vehicle comprising a frame, a motor carried by the frame and in the longitudinal center thereof, a driving axle, a shaft connecting the motor and axle, a flexible joint in the shaft, a thrust element pivoted to the axle, and a flexible connection between the thrust element and the frame, said connection being in the



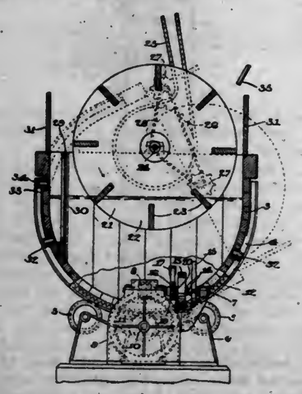
longitudinal center of the frame and in proximity to joint in the shaft, the said shaft and thrust element lying in parallel planes.

1,479,188. GROUND-TILLING MACHINE. FRED E. LARSON, Denver, Colo. Filed Apr. 26, 1920. Serial No. 376,754. 7 Claims. (Cl. 97—36.)



1. In a ground-tilling machine, a spading element comprising a crank shaft, a spade having a stem connected with a crank thereof, and a fulcrum for said spade, consisting of a pair of rollers yieldingly engaging the stem at opposite sides thereof.

1,479,189. DETANNING APPARATUS. ALFRED LAUKHUFF, Shorewood, Wis., assignor to Albert O. Trostel, Milwaukee, Wis. Filed Aug. 17, 1923. Serial No. 657,995. 6 Claims. (Cl. 259—46.)

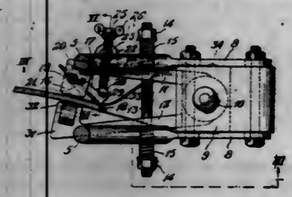


1. In a detanning apparatus, the combination with a tank containing the material and having a drain passage above its bottom, of a stationary screen removably positioned in the tank adjacent said drain passage and an agitator adjacent the screen to prevent its clogging.

1,479,190. SHARPENING DEVICE. GEORGE BENJAMIN LINDSAY, Kokomo, Ind. Filed July 9, 1921. Serial No. 483,440. 3 Claims. (Cl. 76—85.)

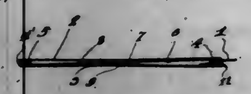
1. A disk-sharpening device comprising the combination of a suitable frame-member; two relatively movable

jaws mounted upon the latter; an abrading member pivotally mounted upon one of said jaws; means tending



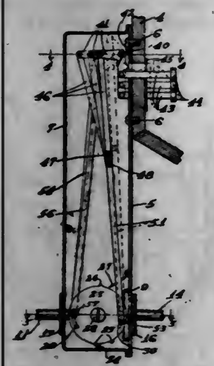
to close the latter; and means for adjusting said abrading member upon its pivotal axis.

1,479,191. CUFF. NATHAN LEVY, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,702. 3 Claims. (Cl. 2—79.)



1. A foldable cuff including spaced opposing facing members having their extremities folded inwardly, lining members disposed at the opposing sides of the facing members the same terminating at the fold line and having opposite ends folded over in opposite directions, an end of each lining member extending adjacent the ends of the facing members, and means for holding the ends of the facing and lining members together.

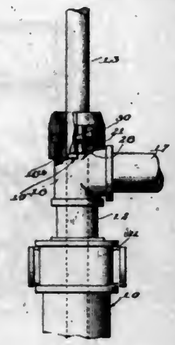
1,479,192. GASOLINE COMBINATION VALVE LOCK. FRED J. LUDLEN, Chicago, Ill. Filed Apr. 11, 1921. Serial No. 460,528. 10 Claims. (Cl. 251—6.)



10. The combination with a supply line, of a valve therein, slotted disks connected with the valve, control bars connected with said disks, and a plurality of key mechanisms adapted to be selectively operated to cause a selective operation of the control bars whereby the disks are actuated to cause opening of the valve.

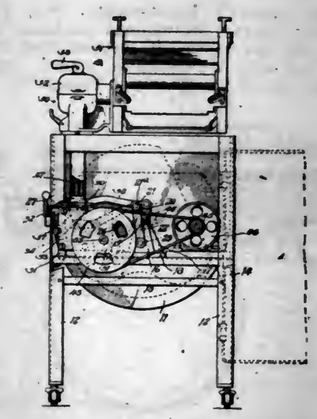
1,479,193. SUCTION-ROD-GUIDE CLAMP FOR OIL PUMPS. THEODORE R. MCSPADDEN, Nowata, Okla. Filed Jan. 13, 1923. Serial No. 612,533. 4 Claims. (Cl. 76—85.)

1. As an article of manufacture, a two-part clamp for the upper end of an oil outlet T, having means to immovably engage the said outlet T and having an internal annular portion adapted to overlie the upper end of the T and to extend inwardly beyond the inner surface



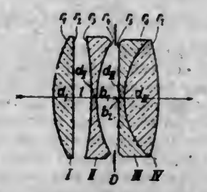
of the T in order to protect the latter during withdrawal and reinsertion of a sucker rod through the T.

1,479,194. GEARING. THOMAS H. MARS, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1921. Serial No. 510,828. 5 Claims. (Cl. 74—14.)



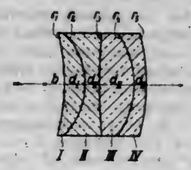
1. In a gearing for washing machines, in combination with a body including an upright pair of legs and a wall spaced back from the plane of the outer face of said legs, a bar fixed adjacent said wall and extending transversely between said legs, an upright bracket fixed to the middle of said bar, a rock arm carried by said bracket, means for operating said rock arm including, a motor on said bar at one side of said bracket, a crank arm at the other side of said bracket, and a speed reduction unit for connecting said crank arm and motor comprising a box attached to said bar adjacent said crank arm and open in front, a removable closure for said open front, said closure and the opposed back wall of said box having associated bearing recesses, parallel drive, driven, and intermediate shafts journalled in said bearing recesses, reduction gearing connecting said shafts, the driven shaft projecting as a stud through the said back wall and there having fixed to it said crank arm, and the drive shaft projecting as a stud through said front wall, and a pulley fixed to the projecting end of said drive shaft and being operatively connected to said motor.

1,479,195. PHOTOGRAPHIC OBJECTIVE. WILLY MERTÉ, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,119. 1 Claim. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



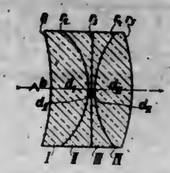
Photographic objective consisting of four lenses, two of which, the difference between their refractive indices lying between 0.05 and 0.02 when sodium light is employed, are joined in a collective cemented surface, of which the radius of curvature amounts at least to one tenth and at the most to one half of the focal length of the objective, while between the other two lenses, which are disposed at one and the same side of the cemented lenses, and of which the outer lens is a collective one and the inner lens a dispersive one, there is an air-space, and they form a pair of facing surfaces having a negative power.

1,479,196. PHOTOGRAPHIC LENS. WILLY MERTÉ, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,120. 2 Claims. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a photographic lens four members cemented together, each of the five boundary surfaces, except the middlemost, turning its concave side towards the diaphragm, each of the two outer surfaces having a slighter curvature than the respective adjacent cemented surface, the first member (from the diaphragm) having a smaller refractive index than the second member and the third member having a higher refractive index than both the second and the fourth member.

1,479,197. PHOTOGRAPHIC LENS. WILLY MERTÉ, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,121. 2 Claims. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



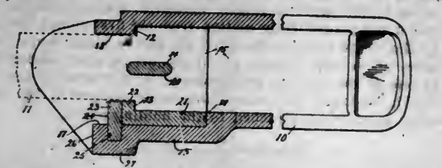
1. In a photographic lens four members cemented together, each of the five boundary surfaces, except the middlemost and the one which (from the diaphragm) follows it, turning its concave side towards the diaphragm, the outer surface facing the diaphragm and the middlemost cemented surface each having a slighter curvature than the respective following cemented surface and the refractive index increasing from the diaphragm through the whole lens.

1,479,198. METAL RAILWAY OR LIKE SLEEPER AND RAIL ATTACHMENT THEREFOR. LOUIS MICK, Tilleur-les-Liege, Belgium, assignor to Société Anonyme des Acieries d'Angleur, Tilleur, near Liege, Belgium, a Corporation of Belgium. Filed Nov. 2, 1922. Serial No. 598,681. 5 Claims. (Cl. 238—290.)



1. In a railroad tie, the combination of spaced ribs extending longitudinally of the upper surface of the tie, chair-plates adapted to rest upon the upper surface of the tie, tenons upon said chair-plates, said tenons fitting between said ribs, interengaging surfaces upon said ribs and chair-plates maintained in engagement by separation of said chair-plates, and means for securing the rails to said chair-plates, said securing means tending to separate said chair-plates.

1,479,199. COUPLER YOKE. WILLIAM A. MITCHELL, Denison, Tex., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,556. 1 Claim. (Cl. 213—70.)

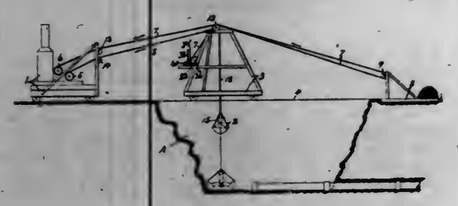


In combination, a draw-bar having a butt with top and bottom shoulders and a transverse closed slot therethrough, a coupler yoke comprising a four-sided butt-receiving box having a plurality of closed slots in each of its side walls, the vertical dimension of the box being in excess of the vertical dimension of said butt, a butt-retaining shoulder integral with the top wall of the box, a block adapted to support the butt in engagement with said shoulder, a butt-retaining shoulder on said block, a key conforming to and extending through one pair of the slots in said box and the slot in said butt for preventing vertical and longitudinal movement of said butt relatively to said box, and a key in another pair of said slots adapted to directly retain the butt.

1,479,200. GRAB-BUCKET TRENCHING MACHINE. THOMAS F. MOORE, Morris Plains, N. J., assignor to Moore Trench Machine Company, Rockaway, N. J., a Corporation of New York. Filed Mar. 14, 1922. Serial No. 543,716. 10 Claims. (Cl. 212—84.)

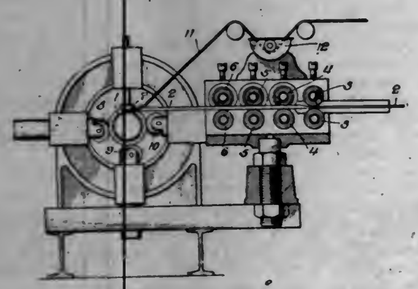
1. In an excavating and back-filling apparatus of the character described, the combination with a power station and an anchorage station a distance one from the other, of a carriage movable between said stations, a rotary drum on the carriage, a cable wound upon said drum and extended around the sheave to the power station, means at the power station for drawing the cable endwise and unwinding it from the drum for rotating

said drum, a rotary hoisting drum on the carriage actuated by the first named drum, a cable attached to the hoisting drum to be wound thereon as the first named cable is unwound from its drum, a "grab" bucket having its jaws operatively connected to the second named cable to close said jaws and to hoist the bucket as it is wound upon its drum, a holding drum mounted on the carriage and rotatable independently of the hoisting drum, a cable wound upon the holding drum and operatively connected to the bucket to support the same independently of the hoisting cable, means for transmitting rotary motion from the first named drum to the holding drum to wind its cable thereon simultaneously with the winding cable on the hoisting drum, and means operable at will for holding the holding drum against rotation to hold the bucket in an elevated position independently of the hoisting cable whereby the jaws of the bucket may be released from their closed positions by slackening of the hoisting cable.



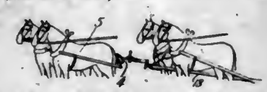
9. In an excavating and back filling apparatus, the combination of a track, a carriage movable along the track, a shaft journaled on the carriage, a hoisting drum coaxial with and rotatable independently of the shaft, means for rotating said drum, a holding drum secured to the shaft to rotate therewith, means including a clutch for transmitting motion from the first named means to the shaft, sheaves mounted on the carriage some distance above said drums, a load-supporting cable supported by one of the sheaves and attached to the hoisting drum, and a separate load-supporting cable supported by the other sheave and attached to the holding drum.

1,479,201. SPIRAL PIPE. CARL G. NAYLOR, Chicago, Ill., assignor to Naylor-Robertson Company, a Corporation of Delaware. Filed Nov. 7, 1921. Serial No. 513,377. 5 Claims. (Cl. 113—35.)



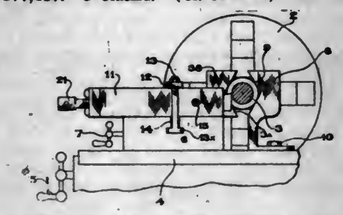
1. The process of making pipe from a ribbon of metal which consists in winding the ribbon into a series of spirally related convolutions, rigidly interlocking edges of adjacent convolutions of the ribbon to form a continuous spiral lock-seam, heating and including a continuous strip of impregnated compressible packing within the rigid lock-seam as the same is formed.

1,479,202. DRAFT COUPLING. JOHN OBERG, Bovey, Minn. Filed Feb. 13, 1922. Serial No. 536,333. 2 Claims. (Cl. 278—21.)



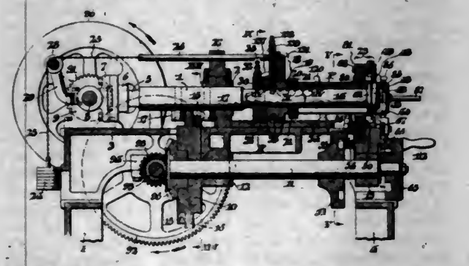
1. In a draft coupling, a frame bar, parallel spaced plates bolted to one end of said frame bar and to each other, a hook bar fulcrumed between said spaced plates, a spring connecting said hook bar and the bolt that connects said spaced plates, a lever fulcrumed to said frame bar for releasable engagement with one end of said hook bar, a finger integral with said lever for engagement with said frame bar whereby relative movement of said members in one direction is limited, a spring for yieldingly preventing relative movement of said members in the opposite direction, and means for securing said frame bar to an evener.

1,479,203. CUT-OFF-TOOL HOLDER. GUSTAV ADOLF ODDSEN, Brooklyn, N. Y. Filed July 25, 1922. Serial No. 577,487. 3 Claims. (Cl. 82—24.)



1. In means for the purpose described, the combination of a cross slide, means to adjust the same, a compound adjustable on the cross slide, means to adjust the compound, a cut-off tool holder mounted on the compound and comprising a body, a tool carrier movable rectilinearly in the body, means to adjust the carrier in and relative to the body, work-engaging means carried by the body, and work-engaging means adapted to be arranged at the opposite side of stock or work with reference to the first-named work-engaging means; the tool-carrier being kerfed to receive a cut-off tool and being provided with a tool engaging set screw adapted to be registered with an opening in the side of the body.

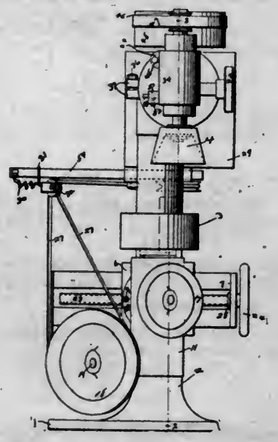
1,479,204. PIPE-BENDING MACHINE. THEODORE F. ORCHSLE, Philadelphia, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 9, 1921. Serial No. 514,093. 7 Claims. (Cl. 153—69.5.)



1. A pipe bending machine comprising a die mechanism for crimping the pipe to be bent, a reciprocatory mandrel provided with notches about which the pipe is placed, a cross head for progressing the pipe step by step through the die mechanism, a gravity dog carried by said cross head adapted to cooperate with the notches in

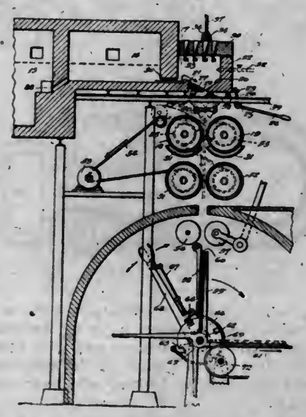
the mandrel in locking the head to the mandrel during the forward movement of the latter, a fixed rack, and a second gravity dog cooperative with said fixed rack in holding the head in check during retractions of the mandrel.

1,479,205. UNIVERSAL GRINDING, DRILLING, AND TURNING MACHINE. JOHN W. PARKER, Detroit, Mich. Filed June 6, 1921. Serial No. 475,464. 4 Claims. (Cl. 29—26.)



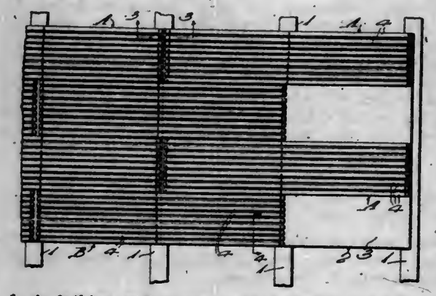
1. A device of the class described comprising a base, a vertical supporting member, a tool holding member and power transmission device for transmitting power to the said tool holding member so as to rotate the same and resilient means disposed between said tool holding member and said power transmission device for controlling the distance between said tool holding member and said power transmitting devices.

1,479,206. GLASS MACHINE. GEORGE A. SHIELDS, Columbus, Ohio. Filed Apr. 13, 1921. Serial No. 460,931. 12 Claims. (Cl. 49—3.)



2. In a glass machine, a transfer reel, a shaft on which the reel is mounted having a peripherally notched disk, a lever loosely mounted on the shaft and having a latch mechanism for cooperation with the notches of the disk, and a brake band engaging the said disk and connected to and controlled by the said lever.

1,479,207. LATHING STRIP. FRED M. SPAYD, Van Wert, Ohio. Filed Aug. 10, 1922. Serial No. 580,927. 3 Claims. (Cl. 72—116.)



1. A lathing strip comprising a backing strip and spaced laths carried by and all extending transversely of the backing strip, certain of said laths extending beyond the backing strip at one side thereof and having their inner ends terminating intermediate the width of the backing strip, thereby leaving portions of said backing strip unoccupied by laths, and the remaining laths having their ends terminating within the confines of the backing strip.

1,479,208. OIL-WELL EQUIPMENT. ROBERT D. THOMPSON and JOHN PENROD, Okmulgee, Okla. Filed Oct. 28, 1922. Serial No. 597,590. 4 Claims. (Cl. 103—179.)

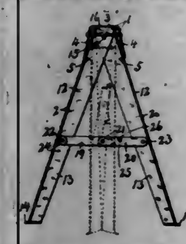


1. The combination of a plunger provided adjacent its upper end with oil passages, and a sleeve connected to the plunger and terminating adjacent said oil passages, the upper end of said sleeve being provided with a combined sand scraper and sand guide, by means of which said upon settling is directed into the plunger, the bore of said sleeve being enlarged adjacent the top of the sleeve whereby to form a shoulder located at the lower end of said passages, and means whereby to protect and guide the sleeve during its withdrawal from a well.

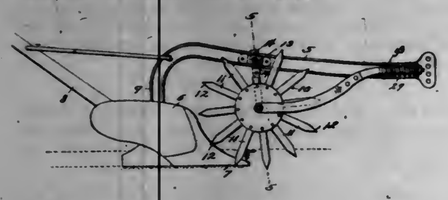
1,479,209. COLLAPSIBLE SAWHORSE. MAURICE J. TOPP, Manlius, N. Y., assignor of one-third to William C. Clark and one-third to Alexander R. Hammerle, both of Syracuse, N. Y. Filed Mar. 14, 1922. Serial No. 543,720. 4 Claims. (Cl. 304—5.)

1. A collapsible horse comprising a channel bar and pivotal pins extending across the channel and secured

to the opposite sides thereof, and separate pairs of legs pivotally hung upon said pins and slidable lengthwise thereof to swing into and out of the channel, the legs of each pair being pivoted to each other to swing transversely of the channel.

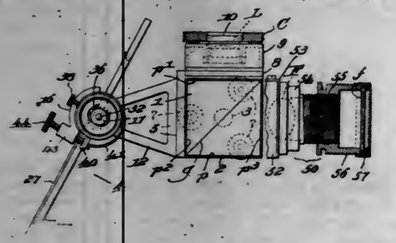


1,479,210. PLOW ATTACHMENT. JOHN E. WAGAMAN, Hagerstown, Md. Filed June 7, 1922. Serial No. 566,646. 8 Claims. (Cl. 97—209.)



1. The combination of a rigidly connected plow device and beam, a protective device for the plow consisting of a rotary wheel provided with suspending means adjustably connected to the beam in advance of the plow device and adjustable and movable independently of the plow device, and means connected to the axis of the wheel and the front extremity of the beam for automatically restoring the wheel to normal position.

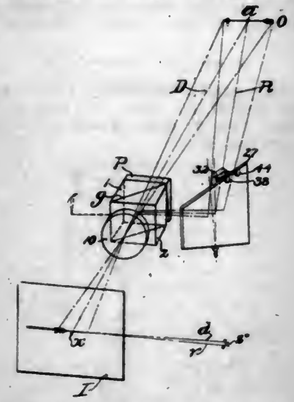
1,479,211. CAMERA APPARATUS FOR BINOCULAR PHOTOGRAPHY. ADELBERT AMES, Jr., and CHARLES A. PROCTOR, Hanover, N. H. Filed June 2, 1921. Serial No. 474,560. 20 Claims. (Cl. 95—18.)



1. Photographic apparatus having therein an image-forming lens, and an optical system comprising means for causing a plurality of mutually divergent rays of light emitted from the same point in the object-field to enter the lens simultaneously in parallel relation.

1,479,212. APPARATUS FOR COMPOSITE PHOTOGRAPHY. ADELBERT AMES, Jr., Tewksbury, Mass. Filed Oct. 25, 1921. Serial No. 510,287. 8 Claims. (Cl. 88—1.)

1. Apparatus for composite photography from laterally separated points of view having therein means for forming images respectively from said points of view, and means for causing the images to be rotated to a predetermined extent in respect to each other about a center of coalescence common to the component images.

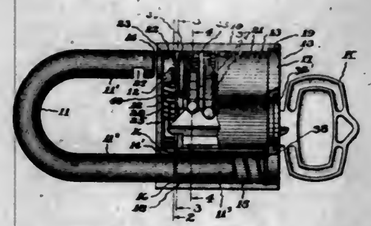


1,479,213. COVER. HERSHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, Jersey City, N. J. Filed Oct. 4, 1922. Serial No. 592,281. 3 Claims. (Cl. 292—246.)



1. In a device of the character described, comprising in combination a housing having an opening, a cover for closing said opening, a stud secured to the housing, a leaf spring fixed to the cover and having a free end in all positions spaced from said stud, and means for connecting said free end of the spring with said stud.

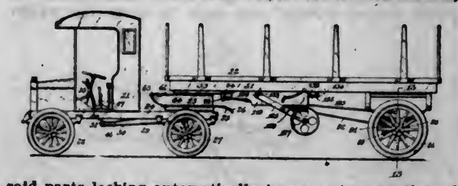
1,479,214. PADLOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Feb. 14, 1922. Serial No. 536,429. 4 Claims. (Cl. 70—108.)



1. In a lock, a lock core embodying twin barrel members of substantially figure 8 cross sectional shape, a lock housing shaped to receive said lock core and lock means operative at the point of intersection of said twin barrel members for locking said lock core in said lock housing.

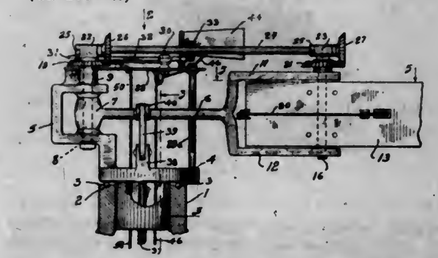
1,479,215. AUTOMOBILE TRAIN. ANDREW J. BORST, Jr., Buffalo, N. Y. Filed Aug. 14, 1919. Serial No. 317,582. 51 Claims. (Cl. 280—33.1.)

1. The combination with a semi-trailer and a tractor adapted to be coupled to said semi-trailer, of dog and ratchet mechanism comprising two parts adapted to cooperate when coupling said tractor to said semitrailer,



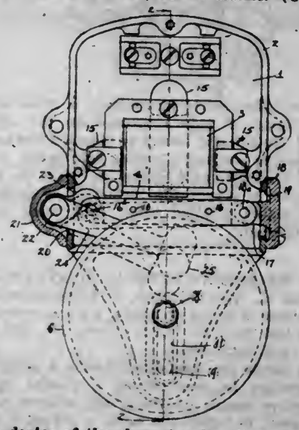
said parts locking automatically to prevent separation of the tractor from the semi-trailer before being completely coupled.

1,479,216. WINDMILL. OTTO BOTT, Oshkosh, Nebr. Filed Jan. 30, 1923. Serial No. 615,807. 6 Claims. (Cl. 170—7.)



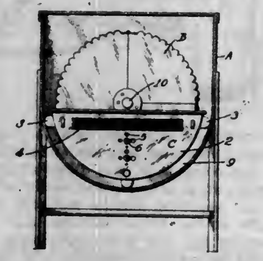
1. In a device of the class described in combination; a turntable adapted to rotate about a vertical axis; a bracket secured to said table; an arm pivoted to said bracket and adapted to oscillate about a vertical axis; a sail pivotally connected to the free end of said arm and adapted to be oscillated about a vertical axis so as to vary its angular relation to the arm; means for altering the angular relation of the arm and the sail as the arm oscillates about its pivot; and means for reversing the angular relation of the arm and the sail at the end of each oscillation of the arm.

1,479,217. ELECTROMAGNETIC BELL. WILLIAM H. BRADLEY, Shelby, Ohio, assignor to The Autocall Company, Shelby, Ohio, a Corporation of Ohio. Filed Dec. 26, 1918. Serial No. 268,286. 4 Claims. (Cl. 177—7.)



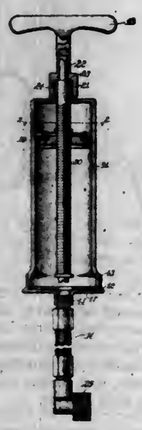
2. In a device of the character described, the combination of a suitable base, a gong and an electro-magnet mounted thereon, the latter above the former, side-walls and a cover plate encasing said electro-magnet, apertures in opposite side-walls, detachable plates covering such apertures, an armature for said electro-magnet pivotally attached at one end to one of said detachable plates and removable therewith from said encasing side-wall, a spindle oscillatory in the other detachable plate and removable therewith from said encasing side-wall, a lever-arm on said spindle lying within said cover-plate and adapted to be directly engaged by the free end of said armature, and a striker for said gong attached at one end to said spindle and lying without said cover-plate.

1,479,218. WASHING MACHINE. JOHN S. BRADY, Wilkes-Barre, Pa. Filed Apr. 5, 1922. Serial No. 549,751. 2 Claims. (Cl. 68—18.)



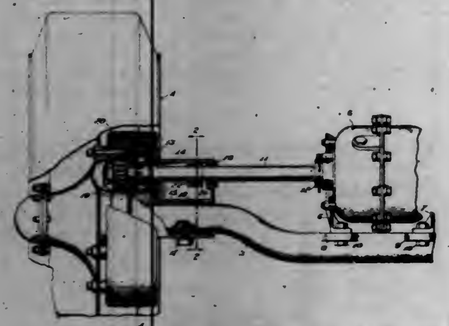
1. In a washing machine, the combination of a container, an auxiliary container of lesser depth than the main container, said auxiliary container being mounted concentrically within the main container in spaced relation therewith and provided with a plurality of end ports or openings of different sizes and means for closing all of the openings except the one desired.

1,479,219. GREASE GUN. CARL BRAMMING, Chicago, Ill., assignor to Accessories Manufacturing Company, a Corporation of Illinois. Filed Jan. 19, 1922. Serial No. 530,341. 4 Claims. (Cl. 221—79.)



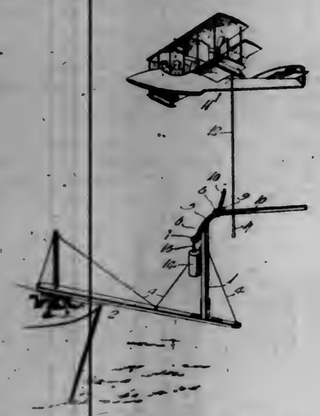
2. In a grease gun, the combination of a barrel of out of round cross section and having one closed end, a substantially cylindrical threaded extension adjacent to the opposite end, a delivery cap secured to said threaded extension, a threaded stem swiveled in the closed end, and extending longitudinally in the barrel, and a plunger engaged with said stem and slidable in the barrel.

1,479,220. AXLE FOR MOTOR VEHICLES. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed July 12, 1919. Serial No. 310,425. 3 Claims. (Cl. 74—7.)



1. A motor vehicle axle comprising a dead axle member, a differential housing, jack shafts having bearings at their inner end portions in said differential housing and having bearings at their outer end portions supported by said dead axle member, pinions mounted on said jack shafts outside of the latter bearings, and intermediate circular bearings for said jack shafts, said intermediate bearings being normally inoperative and being brought into operation by deflection of said jack shafts.

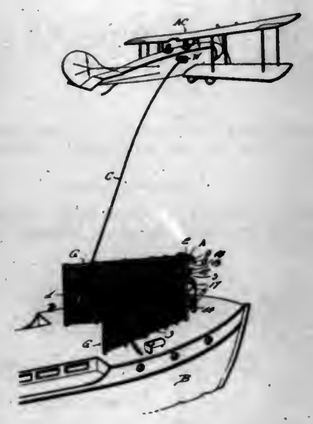
1,479,221. SUPPLY MEANS FOR AIRCRAFT. GODFREY L. CABOT, Boston, Mass. Filed May 9, 1918. Serial No. 233,520. 26 Claims. (Cl. 258—1.)



1. Supply means for aircraft comprising an anchor to which the supplies are attached, said anchor having a cable-receiving throat, means for normally holding said anchor but permitting ascent thereof, a cable depending from the aircraft, means for guiding said cable into the throat of said anchor, and means for preventing slippage of said cable from said throat.

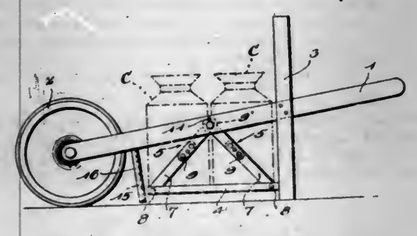
1,479,222. SUPPLY MEANS FOR AIRCRAFT. GODFREY L. CABOT, Boston, Mass. Filed Nov. 25, 1918. Serial No. 264,083. 14 Claims. (Cl. 258—1.)

1. In a supply means for aircraft, a pair of converging vertical walls, an anchor member to which the supplies are attached, means for holding said anchor member at the closely spaced ends of said walls, a cable depending from the aircraft to be guided to said anchor member by said walls, a weight on the end of said cable, and an inclined bottom between said walls to guide the weight



upwardly, provision being made for connecting said cable and anchor member upon engagement of the former with the latter.

1,479,223. COMBINATION WHEELBARROW. GEORGE BYRON CARROLL, East Lansing, Mich. Filed June 19, 1922. Serial No. 569,392. 5 Claims. (Cl. 280—52.)

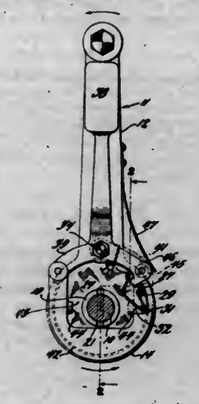


1. A convertible carrier comprising a wheel supported invertible frame, a body supported on the upper side thereof and including a vertically disposed end-board and a bottom having one end abutting said board, links pivotally connected with said bottom and with the side bars of said frame to permit the bottom to be suspended in horizontal spaced relation below said board when the frame is inverted.

1,479,224. RELEASING DEVICE. ROLAND CHILTON and ALEXANDER H. KING, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Nov. 23, 1922. Serial No. 602,768. 32 Claims. (Cl. 123—185.)

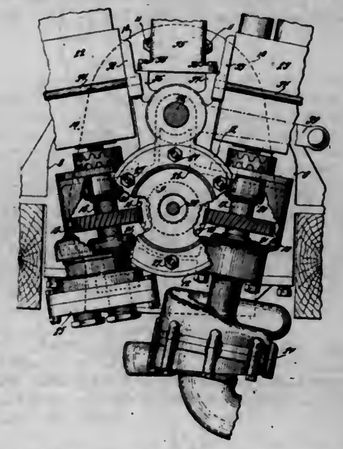
26. In a device for manually rotating a drive shaft to start an engine, in combination, a driving member, a driven member, means on the driven member to engage the drive shaft to rotate the same, a normally operative driving connection between the driving and the driven member comprising a latch, a notch and a roller resiliently held in said notch, means for automatically severing said

driving connection when the rotation of the drive shaft becomes opposed to that of the driven member and means



whereby the driving connection is automatically restored to an operative position when the relative rotational speed of the driven and the driving members is low.

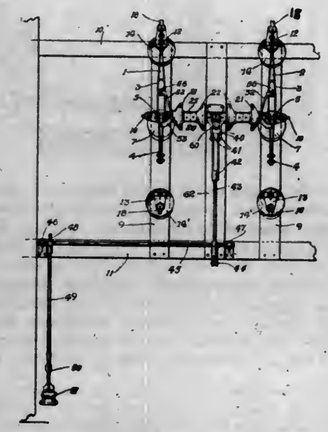
1,479,225. ENGINE-ACCESSORIES UNIT. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Dec. 29, 1922. Serial No. 609,778. 20 Claims. (Cl. 123—195.)



1. An attachment for an internal combustion engine comprising, a bracket adapted to be secured to the engine and to suitably support a horizontal shaft for driving from said engine, a pair of side shafts each having a driven gear meshing with a common drive gear on said horizontal shaft, each end of each of said side shafts being adapted to drive an engine accessory supported by said bracket.

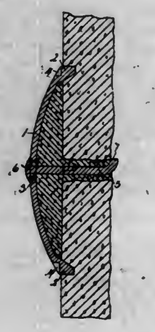
1,479,226. SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to The Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1919. Serial No. 336,831. 24 Claims. (Cl. 200—48.)

1. In combination, a rotatable switch operating member, a switch having a movable switch member mounted independently of said operating member with its axis of rotation in axial alignment with the axis of rotation of said operating member and operated by rotation thereof and an operating lever for said rotatable operating mem-



ber, said rotatable operating member forming an insulating barrier between said movable switch member and said operating lever.

1,479,227. TRAFFIC GUIDE. THOMAS G. CRETNEY, Madison, Wis. Filed May 18, 1923. Serial No. 639,982. 1 Claim. (Cl. 40—125.)

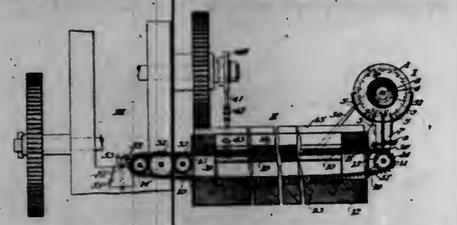


In a traffic guide, a hollow convexed segment of metal with a plurality of depending calks around the bottom thereof, said calks at right angles to the base on their face or right hand edge and diverging to their junction with the base, pockets over each of the calks, a hole through the top of the guide for disposing an attaching bolt and through which cement may be poured, in combination with the words Keep to right case in embossed letters on opposite sides of the guide, for directing traffic in the proper course.

1,479,228. APPARATUS FOR MAKING RIVETS. OTTO H. DE LAPOTTERIE, New Brighton, Pa., assignor to Roy H. Smith, Kent, Ohio. Filed Dec. 7, 1918, Serial No. 265,752. Renewed May 17, 1923. 2 Claims. (Cl. 10—11.)

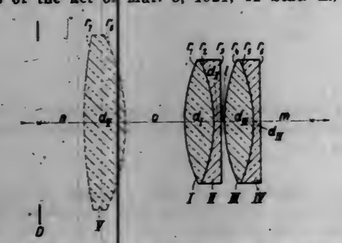
1. In apparatus for making headed articles the combination with a solid die heading machine, of a heating furnace, a conveyor, constructed to carry a number of

blanks, located at one side of the combustion chamber of the furnace, means for cooling the conveyor and the



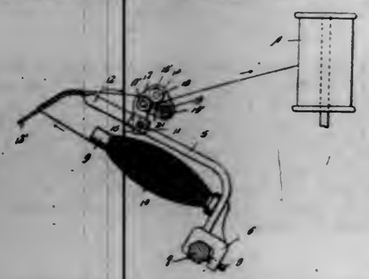
portions of the blanks which do not extend into the combustion chamber, and means for successively delivering the blanks to the heading machine.

1,479,229. EYELENS SYSTEM. HEINRICH ERFLE, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921. Serial No. 492,112. 4 Claims. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



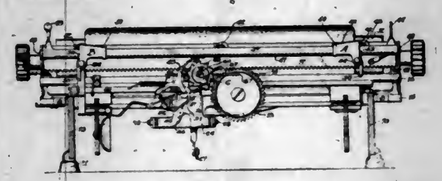
1. Eye-lens system consisting of four members, in which every two members, one of glass of smaller, and one of glass of greater refractive index, are joined in a cemented surface turning its concave side towards the incident light, and in which the cemented pairs of lenses are so disposed, that in each case the member consisting of glass of smaller refractive index faces the incident light, the radius of at least one of the cemented surfaces amounting to no less than six tenths of the whole focal length of the eye-lens system, and to no more than two and a half times that length.

1,479,230. TENSION DEVICE. JOHN R. FEDERLINE, Belton, S. C. Filed Jan. 10, 1923, Serial No. 611,705. Renewed Nov. 26, 1923. 1 Claim. (Cl. 242—151.)



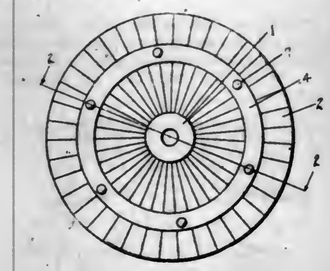
In a tension device for bobbin holders, a supporting member mounted upon the bobbin holder, a pair of stationary spindles and an adjustable spindle carried by the supporting member, solid rollers carried by one of the stationary spindles and the movable spindle, and a shell roller carried by the other spindle for the purposes described.

1,479,231. TYPEWRITING MACHINE. MAX GARBELL, Chicago, Ill., assignor to Garbell Typewriter Corporation, Chicago, Ill., a Corporation of Delaware. Filed Jan. 30, 1922. Serial No. 532,632. 13 Claims. (Cl. 197—109.)



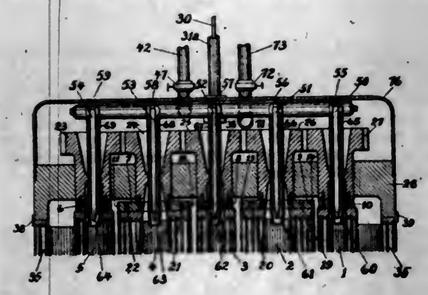
1. In a typewriting machine, the combination with a main frame, a longitudinally movable platen-carrying frame, and escapement mechanism including a ratchet wheel and dog co-operable therewith; of a stop on said carrying frame; and means, located adjacent said dog and in the path of said stop, movable by said stop into the path of movement of said dog between the latter and the ratchet wheel to prevent operation thereof.

1,479,232. WHEEL. HERBERT B. GILLETTE, Grand Rapids, Mich. Filed Aug. 28, 1922. Serial No. 584,684. 6 Claims. (Cl. 301—5.)



4. In a wheel structure, the combination with a suitable hub center, of wedge-shaped blocks of wood arranged radially from the said hub, and intermediate blocks with parallel sides disposed between said wedge-shaped blocks, an annular groove formed in one face of said blocks, and a ring disposed therein to hold the blocks in position.

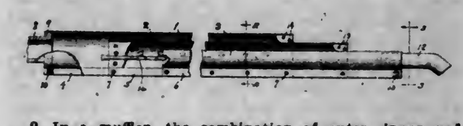
1,479,233. MANUAL PAINTING MACHINE. EDWARD GOTTLIEB, New York, N. Y., assignor to Paradox Engineering Company, New York, N. Y. Filed July 26, 1922. Serial No. 577,735. 8 Claims. (Cl. 91—39.)



2. In a painting machine and a machine for cleaning surfaces to be painted, of the character described, a brush composed of several small rotatable brushes adjacent to each other and of such shape that when rotating, each other's painting areas overlap, producing a brush of any desired length and small width; means for detaching small rotatable brushes; a flexible wire transmitting a rotatory motion from some external prime mover to the small rotatable brushes; rotating flexible wire being protected in a flexible tube; a gear for each small brush meshing with adjacent gear from adjacent brush, and brushes so timed that they do not interfere when rotating and that their painting areas overlap; a stationary line of bristles around rotatable brushes to catch paint thrown centrifugally; means for detaching and replacing stationary line of bristles around rotatable small brushes; a paint supply using paint under pressure; separate paint nozzles and compressed air nozzles for each small rotating brush to force paint against surface to be painted; control valves to adjust the amount of air supplied to brush; control valves to adjust the amount of paint supplied to brush.

5. In manual painting machines or machines to clean surfaces, a brush so constructed that its length is greater than its width, and mechanical means for moving the bristles of brush, so that the linear speed of the bristles is great when compared with the linear speed possible with an ordinary plain painting brush; a paint supply line manually controlled; and paint nozzles infolded in compressed air nozzles to atomize and spray the paint against surface to be painted.

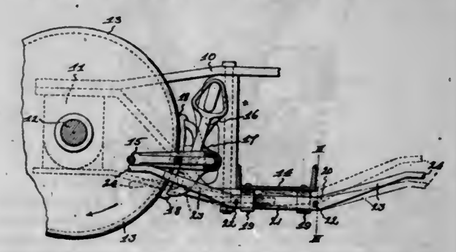
1,479,234. MUFFLER. EMMET P. GRAY, Detroit, Mich. Filed Aug. 30, 1920. Serial No. 406,918. 21 Claims. (Cl. 137—160.)



2. In a muffler, the combination of outer, inner and intermediate tubes, the intermediate tubes being within the outer and without the inner tube and being perforated and having a closed forward end, the opposite end of the intermediate tube being closed around the inner tube and the same end of the outer tube being closed around the intermediate tube, the front open end of the inner tube being a distance from the front end of the outer tube and the front end of the intermediate tube being between the front ends of the other two.

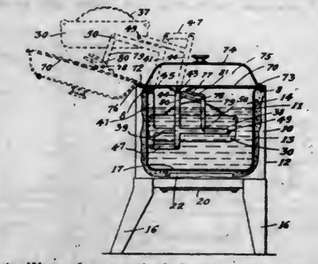
7. In a muffler, the combination of outer and inner members, the central portion of each member being curved and the edges of each member constituting parallel outwardly extending flanges, the flanges of the two members being nested and secured together.

1,479,235. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa. Filed Oct. 4, 1922. Serial No. 592,292. 12 Claims. (Cl. 188—213.)



5. The combination of a spring plank, a third point brake beam supporting and counterbalance bar having its end extending on each side of said spring plank and oscillating on said spring plank as a fulcrum.

1,479,236. STERILIZER. JAY A. HEIDBRINK, Minneapolis, Minn. Filed July 23, 1919. Serial No. 312,738. 5 Claims. (Cl. 167—3.)

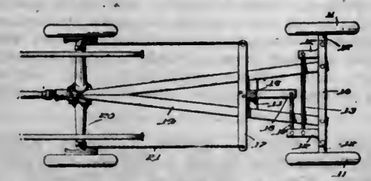


1. A sterilizer for surgical instruments comprising a receptacle, a cover for said receptacle hingedly connected to one side of the receptacle so that when the cover is open it will be held extended laterally outward from the receptacle, an instrument-holding tray, means for holding the tray within the receptacle or above the cover and for moving the tray from one position to the other, said means operative to positively hold the tray horizontal at all times.

3. A sterilizer for surgical instruments comprising a receptacle, a cover for said receptacle having a flat inner drainage surface, an instrument-holding tray within the receptacle, and means for moving the tray and lifting the cover simultaneously so as to bring the tray above the drainage surface of the cover whereby any drip from the tray will be directly drained back into the tank.

5. A sterilizer for surgical instruments comprising a receptacle, a cover for said receptacle having a flat inner drainage surface, an instrument-holding tray within the receptacle, a lever system for supporting said tray and moving it out of the receptacle and to one side thereof, a slotted cam member on the inner surface of said cover, and an arm connected with said lever system having a roller in the slot of said cam member for causing said cover to be lifted by the lever system and carried to one side so as to underlie the tray when in its elevated position to cause any drip from the tray to drain back into the receptacle.

1,479,237. TRAILER. JOHN HIPPE, Desiacs, N. Dak. Filed Apr. 10, 1922. Serial No. 551,107. 2 Claims. (Cl. 280—33.55.)

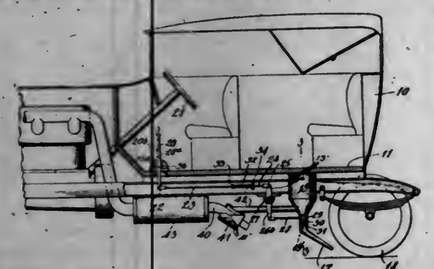


1. In a trailer, a tongue for connecting the trailer to a towing vehicle, knuckles pivotally connecting the wheels of the trailer to the trailer axle, a rod connecting the knuckles, a T-shaped operating member including a transverse bar and a longitudinally disposed bar, means for pivotally securing the longitudinal bar to the tongue, a rod connecting the longitudinal bar and one of the knuckles and means connecting the outer ends of the transverse bar with the towing vehicle upon opposite sides of the tongue.

1,479,238. SANDING DEVICE. EDWARD HIRSCH, New York, N. Y. Filed Oct. 4, 1922. Serial No. 592,247. 4 Claims. (Cl. 291—3.)

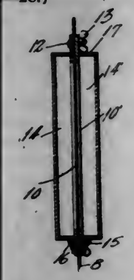
2. A sanding devire for motor vehicles comprising a sand container adapted to be secured to the vehicle, a delivery spout extending from said container and dis-

posed in front of the rear wheel of the vehicle, said container being of double walled construction so as to provide an air space, a connecting tube in communication at one end with said air space and at the other



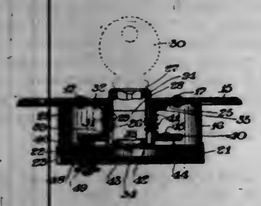
end with an air chamber surrounding the exhaust pipe of the exhaust manifold of the vehicle whereby the air in said air space is heated by the exhaust gases passing through said exhaust pipe.

1,479,239. MAIL BOX. AUGUSTUS M. HOWELL, Dallas, Tex. Filed Sept. 15, 1922. Serial No. 588,382. 5 Claims. (Cl. 232—28.)



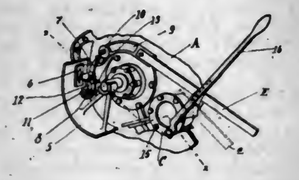
1. In a mail box, the combination with a screen door having a portion of the screen cut out to provide an opening, of a pair of corresponding frame members mounted on opposite sides of the said opening and overlapping the marginal portion of the screen surrounding said opening, clamping elements penetrating said members and screen and securing the same together, and a closure mounted in each frame member having an inwardly directed marginal flange normally bearing against said member, both closures constituting a box adapted to swing outwardly in opposite directions to each other.

1,479,240. SWITCH. EDWARD N. JACOBI, Milwaukee, Wis., assignor to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 18, 1920. Serial No. 366,863. 14 Claims. (Cl. 200—44.)



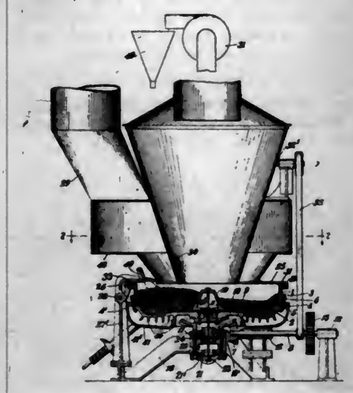
1. In a switch, a turning member, an insulating ring surrounding the turning member and splined thereto, a sheet metal contact ring mounted on the insulating ring and having contact projections embossed therein, and a base having contacts engaged by the contact projections.

1,479,241. LOCKING DEVICE FOR TRACTOR CLUTCH MECHANISM. AXEL W. JOHNSON and ANDREW W. JOHNSON, Rock Creek, Minn. Filed Jan. 21, 1922. Serial No. 530,772. 1 Claim. (Cl. 74—81.)



The combination with the clutch lever of a tractor, said clutch lever being mounted to extend longitudinally of the tractor on the outside thereof, and adapted to be moved from a normal position downward to effect a certain desired change in the operation of the clutch; of a lever made of spring metal firmly secured at its lower end to the tractor and capable of being sprung outwardly, said lever extending outwardly across and upwardly to and beyond said clutch lever, a shoulder member on said lever, said shoulder member being disposed in the path traversed by said clutch lever when the latter is manually moved downward to effect a change of operation of the clutch, and means for arbitrarily securing said shoulder member at different points on said lever to fit different tractors, said means including a row of bolt holes extending longitudinally of the lever, and a block having a bolt hole in register with said row of bolt holes, whereby it may be bolted to the lever at different locations, said block having a downwardly facing end to form a shoulder, and being formed with a longitudinally disposed groove adapted to receive said lever to be slidable thereon, and an outer face extending from the outer edge of said downwardly facing end, upwardly and inwardly to the bottom of said groove to form a feather edge thereat, for the purpose set forth.

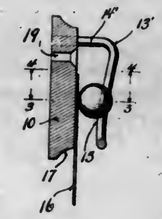
1,479,242. APPARATUS FOR GRINDING MATERIALS. NATHAN C. JOHNSON, Englewood, N. J. Filed Sept. 10, 1921. Serial No. 499,766. 5 Claims. (Cl. 83—9.)



1. In a grinding machine, the combination of an upright rotatable bowl rotatable at such speed as to subject the contents thereof to the action of centrifugal force, and one or more stationary mass deflecting devices positioned adjacent the sides of the bowl each having

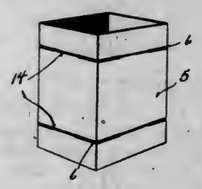
a mass entering edge extending upwardly towards the upper edge of the bowl, a concave mass deflecting face to the rear of said edge in the direction of movement of the material in the bowl, so as to engage the material adjacent the side of the bowl and deflect it inwardly and a bottom horizontal forwardly extending flange over which will flow material directed inwardly by said face.

1,479,243. FRICTION-GRIP HANGER. EMIL L. KAMRATH, Milwaukee, Wis., assignor, by direct and mesne assignments, of one-half to Herman J. Baerwald and one-half to Charles H. Baerwald, both of Milwaukee, Wis. Filed Mar. 23, 1923. Serial No. 627,062. 1 Claim. (Cl. 24—244.)



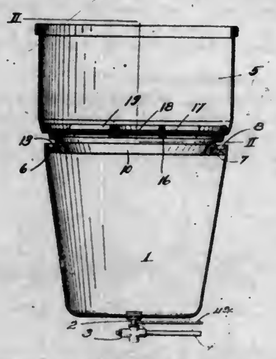
The combination of a flat base of material thickness, a gripping ball associated therewith, a wire U-shaped holder therefor, the arms of the U being slightly divergent upwardly, a leg continuous with one of the arms of the holder and bent away thereform at substantially a right angle, a second leg continuous with the other of said arms and bent away therefrom at substantially a right angle, said legs being imbedded in said base, and a ball retained by said holder and said base, said holder extending inwardly from the top thereof to a point slightly above the lower end thereof, the lower end being spaced from the base to facilitate the insertion of an article to be suspended, whereby an article may be detachably held between said base and ball and wedged directly against said base.

1,479,244. EGG CARTON. ALBERT T. KEIPPER, Milwaukee, Wis. Filed Dec. 30, 1922. Serial No. 609,928. 2 Claims. (Cl. 217—29.)



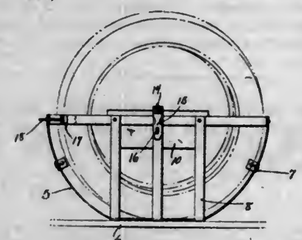
1. An individual cell for egg cartons having rectangular side walls and kerfs extending substantially horizontally from the vertical edges thereof near the upper and lower ends of the cell, upper and lower partitions having each a central opening for receiving one end of an egg, notches formed in the edges of said partitions and an elastic band extending thru the notches of each partition and through the corresponding kerfs in the walls to secure said partitions thereto.

1,479,245. SEAL FOR VACUUM COFFEE URNS. HENRY D. KELLY, Kansas City, Mo. Filed Apr. 4, 1921, Serial No. 458,601. Renewed Mar. 12, 1923. 4 Claims. (Cl. 53—3.)



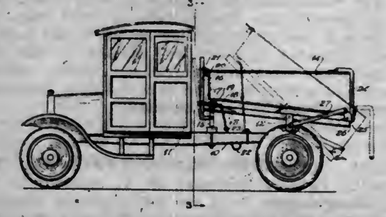
1. The combination of a beverage jar, a leacher bucket, a gasket interposed between the jar and bucket and resiliently supporting the latter; said jar and bucket having overlapping spaced portions adapted for contact when excessive weight is imposed on said leacher bucket.

1,479,246. COMBINATION TIRE HOLDER AND RECEPTACLE. RICHARD E. KELM, Milwaukee, Wis. Filed Aug. 6, 1921. Serial No. 490,284. 3 Claims. (Cl. 224—29.)



1. A device of the character described comprising a cradle for receiving a tire, an adjustable block to compensate for variations in the diameter of the tire, a removable box having a cover and means for locking said cover in closed position and simultaneously locking the box in the cradle to prevent removal of the tire.

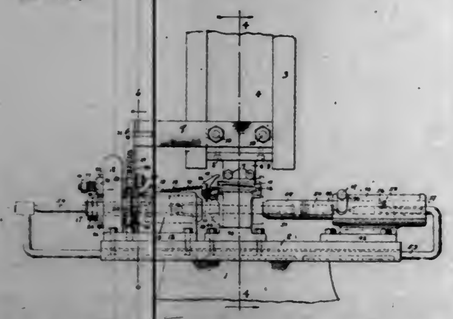
1,479,247. DUMP WAGON. ANDREW B. MCKINLEY and ALBERT HURLEY, Louisville, Ky., assignors to Continental Car Co. of America, Louisville, Ky., a Corporation of Kentucky. Filed Mar. 5, 1923. Serial No. 622,896. 2 Claims. (Cl. 298—19.)



1. In a device of the kind described, a vehicle chassis, a dump body pivoted intermediate its ends thereto and arranged to have its rear swing downward and its front end swing upward to dumping position, and com-

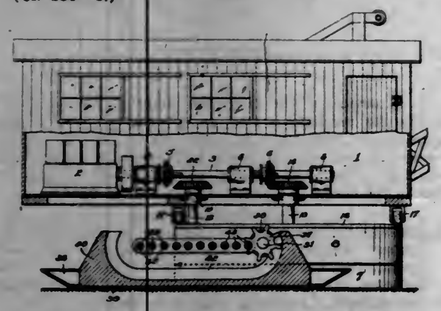
bined shock absorbing and movement limiting means connecting the front end of the dump body with the vehicle chassis and comprising a pair of chains each having one end connected to the chassis and the other to the dump body and tending to straighten upon movement of the dump body to dumping position, and means to resist the straightening of said chains yieldably.

1,479,248. MACHINE FOR INSULATING ARMATURE WINDINGS. WILLIAM E. MOORE, Detroit, Mich., assignor to William J. Hartwig, Detroit, Mich. Filed Sept. 12, 1921. Serial No. 500,136. 11 Claims. (Cl. 29—84.)



11. A device of the type described comprising a frame adapted to rotatably support an armature, a strip carrying means reciprocably supported by said frame and being adapted to wedge a strip of material into the slots of the armature, whereby the strips are firmly held in the slots.

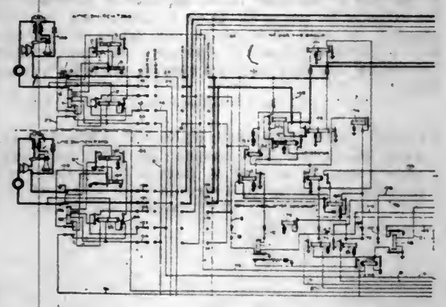
1,479,249. PROPELLING MECHANISM FOR CONVEYING LOADS. PETER J. O'LEARY, Kansas City, Mo. Filed Feb. 18, 1918. Serial No. 217,940. 6 Claims. (Cl. 180—S.)



1. The combination, with a base carrying a load, of a pair of portable side traction rails, a roller track carried by each rail and propelling means in the form of pinions supported by said base adapted to ride over and under the track of each rail for tilting, carrying forward and setting down the base and rails alternately to establish a step by step movement.

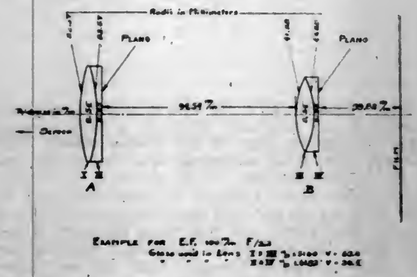
1,479,250. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. a Corporation of New York. Filed Dec. 4, 1920. Serial No. 428,224. 16 Claims. (Cl. 179—18.)

1. In a telephone system, a plurality of telephone lines arranged in groups, a plurality of link circuits and a plurality of bridge circuits arranged in groups, switches for hunting idle link circuits and idle bridge circuits in



said groups, and means for permitting the hunting operation of only one switch in each group simultaneously.

1,479,251. PROJECTING LENS. WILLIAM H. REPP, Rochester, N. Y. Filed July 31, 1922. Serial No. 578,695. 5 Claims. (Cl. 88—57.)



5. In a high aperture projection lens system, the combination of a pair of doublets made up of an equiconvex and a plano concave lens, the convex sides of said doublets facing the screen and the plano surfaces of said doublets facing the object to be projected on said screen by said projection lens system.

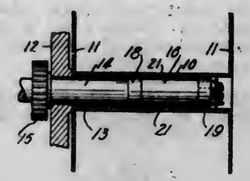
1,479,252. PINCUSHION. EDITH M. RICHARDS, Hartford, Conn. Filed Feb. 23, 1922. Serial No. 538,660. 1 Claim. (Cl. 223—60.)



In combination in a pin-cushion structure, a pincushion body of globular form, a core figure in the form of a doll extended along the axis of said body

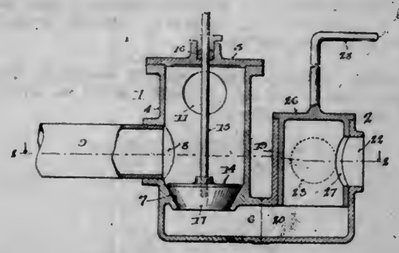
and having the head and the legs projected beyond the upper and lower surfaces, respectively, of the cushion body, and a ribbon serving as a suspension support for said structure, and said ribbon having the body portion positioned as a head-band around said head and having the end portions extended from said body portion at the rear of said head and united in loop form to provide the suspension support proper.

1,479,253. MOTION-PICTURE-CAMERA TAKE-UP-REEL MECHANISM. GIOVANNI RIVETTA, Paris, France, assignor to Sept Cinema Camera Distributors, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 17, 1923. Serial No. 619,542. 4 Claims. (Cl. 242—71.)



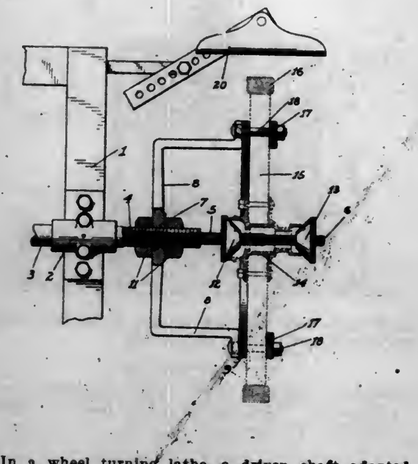
1. In a motion picture camera, a take-up reel having a cylindrical axial bore, a driven spindle supported at one end and extending through the bore, and having a slot parallel to its axis, a flexible wire in said slot having one end extending beyond the end of the spindle and its other end abutting against a part of the spindle, and means, carried by the spindle and arranged to press against the end of the wire to spring its central portion outward into contact with the take-up reel.

1,479,254. DISCHARGE-VALVE MECHANISM FOR USED LAUNDRY WATER. RICHARD ROOST, Milwaukee, Wis., assignor to Huebsch Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 20, 1919. Serial No. 318,627. 2 Claims. (Cl. 277—66.)



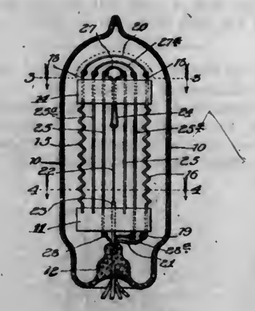
1. The combination of a cut-off valve for controlling the discharge of used laundry water comprising a case provided with a seat, a service port on the same side of the seat and an outlet port and coupling member on the opposite side of the seat, and a poppet valve head adapted to close in the direction of discharge flow tightly against the seat; and a selective valve comprising a cylindrical case provided with outlet ports and with an inlet port and coupling member registering with the outlet port and coupling member of the cut-off valve, and a hollow cylindrical gate rotatably fitted in the selective valve case in open communication at one end through its inlet port with the outlet port of the cut-off valve and provided with a port registrable with the outlet ports of the selective valve one at a time.

1,479,255. WHEEL-TURNING LATHE. OTTO SALBACH, Stockton, Calif. Filed Feb. 20, 1922. Serial No. 537,768. 2 Claims. (Cl. 142—1.)



1. In a wheel turning lathe, a driven shaft adapted to receive the hub of a wheel thereover from one end, opposed and adjustable cones mounted on the shaft and adapted to enter and engage the opposite ends of the hub and a spider adjustably mounted on the shaft and adapted to be clamped in any position thereon, said spider having a facing ring adapted to bear against the spokes of the wheel and to be clamped thereto.

1,479,256. SPACE CURRENT DEVICE. HENRY K. SANDELL, Chicago, Ill., assignor to Herbert S. Mills, Chicago, Ill. Filed Aug. 28, 1919. Serial No. 320,500. 4 Claims. (Cl. 250—27.)

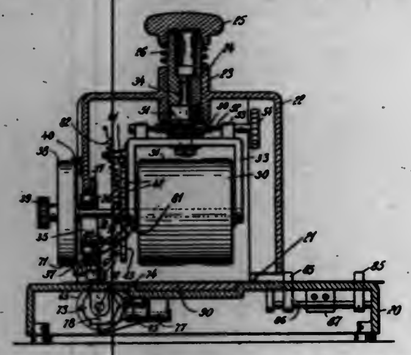


1. In a space current device, a supported block of insulating material, a plurality of electrodes mounted thereupon and non-conductive spacing means independent of said block supported by said electrodes.

1,479,257. CHECK WRITER. HARRY T. SCHERMERHORN, Hawthorne, N. J. Filed Nov. 17, 1922. Serial No. 601,625. 27 Claims. (Cl. 197—6.4.)

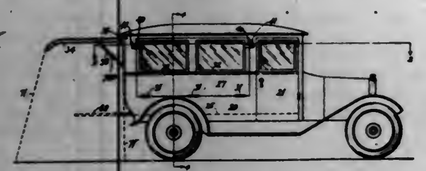
1. A check writer comprising a support for a check, an impression device movable to impress on the check

the amount thereof and means for effecting relative angular movement between the impression device and the



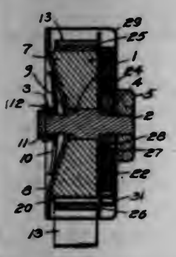
check upon each actuation of said device for changing the direction of the line of printing.

1,479,258. VEHICLE BODY. JOHN A. SIMONS, Montevideo, Minn. Filed Aug. 25, 1922. Serial No. 584,318. 4 Claims. (Cl. 296—23.)



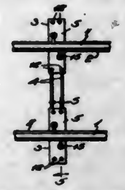
1. A car of the class described having hinged side sections each adapted to be folded out and held in horizontal position, a mattress adapted to rest on each of said sections, said mattress being framed and the frame being foldable longitudinally to about right angles so as to make about half of the mattress form a seat and the other half a back rest for the seat and means for holding the said back rest in raised position.

1,479,259. REBOUND CONTROLLER. FERDINAND H. SNYDER, Shenandoah Junction, W. Va., assignor, by mesne assignments, to The Star Rebound Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 23, 1920, Serial No. 392,409. Renewed Apr. 15, 1922. Serial No. 553,013. 17 Claims. (Cl. 267—10.)



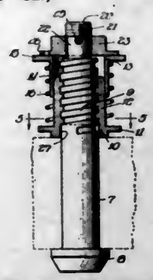
1. In a rebound controller the combination of a rotatable frictionally-resisted durm constructed of self-lubricating material, a flexible connecting member coiled on said durm, a friction member having a face directly in contact with said drum, and means to maintain tension on the inner end of said flexible member.

1,479,260. RAILROAD TIE. L. D. SPRATT, Chicago, Ill., assignor of one-half to Charles Schlotfeldt, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 611,337. 5 Claims. (Cl. 238—48.)



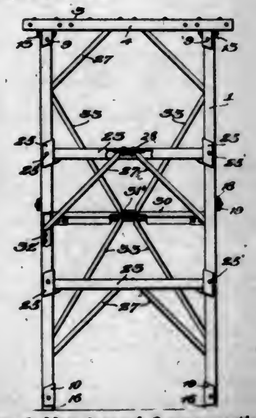
1. A rail tie comprising a pair of side plates spaced apart throughout and open at the top and bottom, receptacles at the ends of said plates, covers for said receptacles, means for securing a rail to each of said covers, and means for yieldably maintaining said covers against seating on said receptacles.

1,479,261. BEARING BOLT. MYLES STANDISH, Omaha, Nebr. Filed Jan. 26, 1922. Serial No. 531,910. 11 Claims. (Cl. 85—32.)



1. A bearing bolt assembly comprising a threaded bolt, a nut threaded on said bolt, a follower on the bolt, the nut and follower having overlapping sleeves extending therefrom, a spring having its opposite ends secured to the nut and follower and encircling the sleeves, and a member secured to the bolt beyond the follower and associated with the follower in such manner as to maintain the follower in adjusted circumferential relation to the bolt.

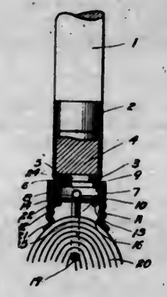
1,479,262. STEPLADDER. OTTO H. STEGEMAN, Stratford, Conn. Filed Jan. 17, 1923. Serial No. 613,150. 7 Claims. (Cl. 228—56.)



1. In a step ladder, legs of C-cross section, U-shaped reinforcing members secured to the legs and extending

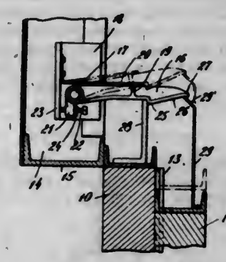
across the open sides thereof, longitudinally corrugated steps of U-cross-section, angle clips secured to the interiors of the steps at the ends thereof and abutting said members, and means to secure the clips to the members.

1,479,263. MOP. HERBERT M. STURGIS, Kansas City, Mo., assignor of forty-nine one-hundredths to Frank Hamilton, Kansas City, Mo. Filed May 26, 1922. Serial No. 563,776. 6 Claims. (Cl. 15—228.)



1. In combination, a mop stick, a socket member on one end of the mop stick having fingers projecting therefrom, a threaded collar on the socket member, and a threaded mop head receivable within the threaded collar and having openings into which the fingers project.

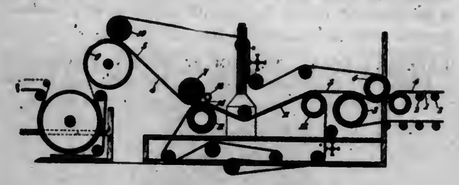
1,479,264. LOCKING MECHANISM FOR DOORS. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed July 23, 1921. Serial No. 486,975. 15 Claims. (Cl. 20—19.)



1. A door comprising a plurality of vertically and laterally movable sections, a latch for locking the upper section in closed position, and means carried by a low section for releasing the latch upon the opening movement of the said lower section said releasing means and latch being so relatively constructed and arranged that the latch will snap into closed position on the upper section when said section is closed and said releasing means will clear the latch as said latch is closed and upon return movement of said lower section.

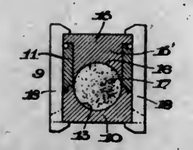
1,479,265. PAPER-MAKING MACHINE. JOHN D. TOMPKINS, Valatie, N. Y. Filed Oct. 5, 1921. Serial No. 505,574. 9 Claims. (Cl. 92—49.)

1. A paper making machine comprising means forming a paper web, upper and lower press rolls, upper and lower felt aprons passing between said press rolls and adapted to carry the paper web thereto, and means located in ad-



vance of said press rolls for forcing air under greater than atmospheric pressure through the paper web.

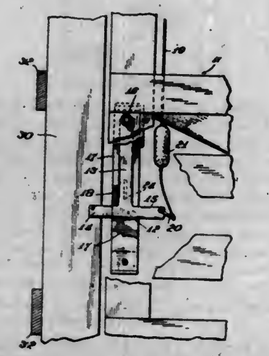
1,479,266. METHOD OF MAKING FELTED SOLIDS OF REVOLUTION. ALBERT O. TROSTEL, Milwaukee, Wis. Filed June 12, 1922. Serial No. 567,877. 4 Claims. (Cl. 28—5.)



1. The method of forming solids of revolution, such as sphere and cylinders, from material capable of felting, which consists in felting the material with water in the presence of heat, roughly forming the material into articles of the desired shape, subjecting the roughly formed articles to a compacting operation, then subjecting each of the compacted articles to pressure in a die to compress it to its finished shape and then drying the formed article.

1,479,267. [WITHDRAWN.]

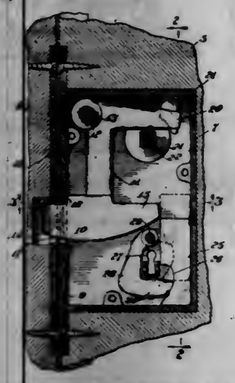
1,479,268. LATCH FOR GATES, ETC. WILLIAM S. WITTEN, Chicago, Ill. Filed Oct. 6, 1919. Serial No. 328,828. 6 Claims. (Cl. 70—29.)



1. A latch comprising side plates spaced apart, a shank pivotally mounted between said side plates and hanging pendulous from its pivot, a rigid member projecting laterally from the lower portion of said shank beyond said side plates, counterbalancing means normally operating to project said member, a cross bar connected with said side plates in position to engage said shank and limit the ex-

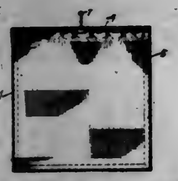
tent of projection of said member, a rocking member pivoted to swing transversely of the path of said shank to engage the same and lock it in its operative position, and a key-operated device for actuating said rocking member.

1,479,269. LOCK. WILLIAM S. WITTEN, Chicago, Ill. Filed Nov. 14, 1919. Serial No. 338,040. 10 Claims. (Cl. 70—29.)



1. A lock comprising a latch member, a bolt movable upward into position to lock said latch member in operative position and adapted to return to its inoperative position by gravity, and a pendulous catch movable normally by gravity into position to hold said bolt in operative position, the pivotal point of attachment of said catch being at a point laterally removed from the path of travel of said bolt.

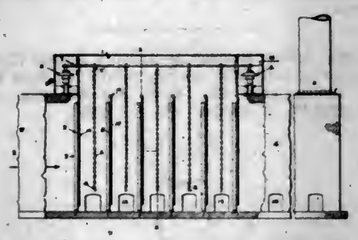
1,479,270. METHOD FOR THE REMOVAL OF SUSPENDED MATERIAL FROM GASES. EDSON R. WOLCOTT, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 14, 1919. Serial No. 282,700. 3 Claims. (Cl. 183—114.)



1. The method of removing suspended material from gases, which consists in distributing water into such gases to humidify the same, then passing the gases through a wetted filtering medium to filter out part of the suspended matter and to further humidify the gases, and then subjecting the gases to the action of an electrical field to precipitate suspended material therefrom, the gases and the precipitated material being subjected to cooling action in such manner as to cause condensation of water from the water vapor present in the gases, and collection of such condensed water with the precipitated material.

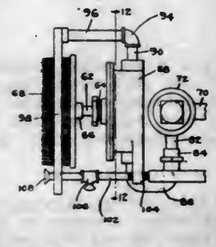
1,479,271. METHOD AND APPARATUS FOR SEPARATING SUSPENDED PARTICLES FROM GASES. EDSON R. WOLCOTT, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 15, 1919. Serial No. 345,926. 7 Claims. (Cl. 183—7.)

1. An electrical precipitator comprising a flue adapted for passage of gases therethrough, grounded collecting electrodes, each consisting of a single row of vertical elongated flexible members of small transverse cross sections extending transversely in said flue, and insulated discharge electrodes each consisting of a single row of verti-



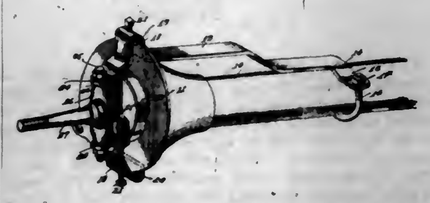
cal flexible members of small transverse cross sections extending transversely in said flue, between and in alternation with the collecting electrodes.

1,479,272. DEVICE FOR WASHING SURFACES. HAROLD E. YOUNG, Minneapolis, Minn. Filed Dec. 23, 1920, Serial No. 432,673. Renewed June 20, 1923. 1 Claim. (Cl. 15—29.)



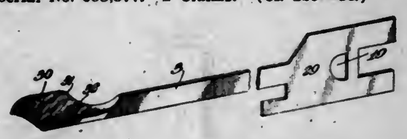
A device for washing surfaces comprising a casing, a water motor in said casing, a brush supported from said casing and adapted to be rotated by said motor, a main pipe for conducting water into said casing to operate said motor, an adjustable connection for said pipe which permits said brush to assume different positions relatively to said pipe, and means for spraying the water which has passed through said casing directly upon the device to be washed in proximity to said brush.

1,479,273. EMERGENCY AXLE SPINDLE. KINNEY ARMSTRONG, Fayetteville, Ark. Filed Mar. 27, 1923. Serial No. 628,098. 3 Claims. (Cl. 301—130.)



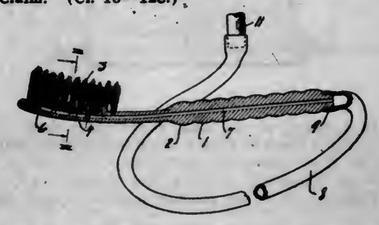
1. A replacement rear axle end comprising a substantially L-shaped member the longer arm of which is provided with means for clamping engagement with the rear axle housing of an automobile, the end of the shorter arm and the portion of the longer arm opposite thereto being formed with brake-band disk-receiving recesses, clamping means on the recessed portions, and a stub axle carried by the said shorter arm.

1,479,274. WARP-CUTTING DEVICE FOR USE IN PILE-FABRIC LOOMS. JOHN ASHMORE and GEORGE ASHMORE, Philadelphia, Pa. Filed Apr. 20, 1923. Serial No. 633,377. 2 Claims. (Cl. 139—44.)



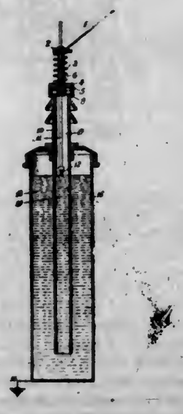
1. A pile-wire having a blade, the cutting edge of which extends in a rearwardly direction, said blade having a slotted portion the slot of which extends in substantially rearwardly direction and intersects said cutting edge.

1,479,275. TOOTHBRUSH. HENRY W. BEIL, San Francisco, Calif. Filed Apr. 24, 1923. Serial No. 634,310. 1 Claim. (Cl. 15—128.)



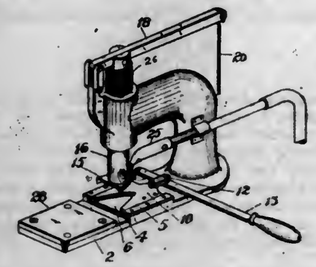
A tooth brush comprising an elongated rigid handle with a longitudinal hole having an outlet at the end of the handle adapted for a hose connection, a row of spaced ports extending from the hole through one side of the handle and each surrounded by a raised boss formed integral with the handle, a plurality of spaced tufts of bristles projecting from the handle arranged along all sides of the bosses and between the bosses.

1,479,276. CURRENT INTERRUPTER. CHARLES E. BENNETT, Atlanta, Ga., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Sept. 2, 1919, Serial No. 321,245. Renewed Mar. 18, 1922. Serial No. 544,974. 5 Claims. (Cl. 175—215.)



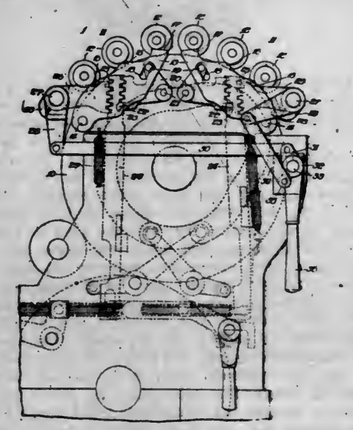
1. In an electric circuit interrupter, a liquid container, a tube dipping into the liquid and forming an expansion chamber, an electrode arranged in said expansion chamber, and a yieldable closure for the expansion chamber serving by its displacement to relieve excessive vapor pressure incident to the formation of an arc in the chamber.

1,479,277. MACHINE FOR MAKING INSOLES. GEORGE H. BLACK, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 28, 1918. Serial No. 268,639. 24 Claims. (Cl. 12—21.)



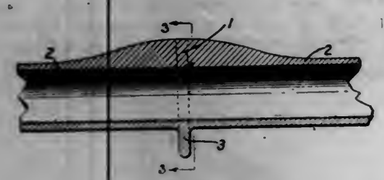
1. In an insole machine, the combination with a work support, of a shaping member formed and arranged to engage the inner face of the sewing rib at the end and sides of the toe and relieved on its bottom face to concentrate the bearing of that face upon the stock at the root of the rib, and means to operate said member and support relatively to depress the stock at the root of the rib to provide a low seat for the welt attaching seam.

1,479,278. FORM-ROLL TRIP MECHANISM. JOSEPH R. BLAINE, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 28, 1921. Serial No. 456,260. 1 Claim. (Cl. 101—352.)



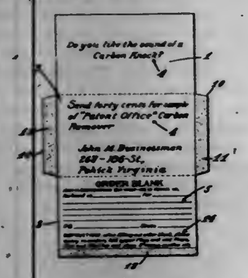
In combination, a form cylinder, a pair of sets of inking rollers cooperating therewith, a pair of sets of frame members, each of said sets of frame members including two frame members mounted at the ends of said rollers, each of said frame members having projecting members engaging portions of said rollers, said frame members having cam slots, arms for operating said frame members, said arms being provided with projections adapted to ride in said cam slots, and rack trip bars for operating said arms, said bars having means for manually operating same.

1,479,279. METHOD OF MAKING RETURN BENDS. BENJAMIN BROOO, New York, N. Y., assignor to The Superheater Company, New York, N. Y. Filed Sept. 15, 1922. Serial No. 588,498. 6 Claims. (Cl. 29—157.6.)



1. The method of making a return bend comprising the steps of giving a pipe additional thickness over an area at the point where the return bend is to be produced, the thickness being maximum near one point and decreasing longitudinally and circumferentially to the normal pipe thickness; providing a circumferential rib at the point of maximum thickness; suitably heating the pipe and bending it so that the point of maximum thickness lies on the outer side of the bend formed.

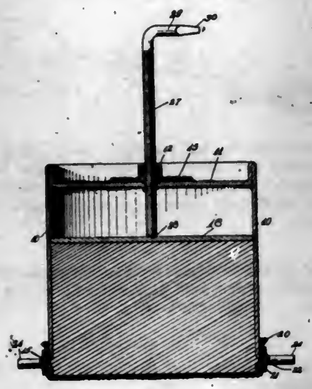
1,479,280. MONEY MAILER. CARL E. BROWN, Columbus, Ohio. Filed Sept. 26, 1919. Serial No. 326,545. 1 Claim. (Cl. 229—73.)



In an article of the class described, a body provided along its longitudinal edges with transverse lower and upper flaps, the lower flap being supplied on one side with an order blank so worded and formed as to convey from a buyer to a seller, when filled out, the wishes of the buyer relative to the purchase of merchandise, and the upper flap and the body being marked upon the corresponding side with advertising matter relating to the price of the merchandise and the need to which the merchandise ministers, the upper and lower flaps being unfoldable to an open position, whereby the order blank and the advertising matter may be exposed simultaneously, the opposite side of the upper flap carrying the address of the sendee, and the same side of the lower flap carrying the address of the sender, the upper flap being foldable to overlie the body, the body being provided on its transverse edges with tongues which are foldable to overlie the upper flap, the lower flap being foldable to overlie the tongues and the upper flap and having along its free longitudinal edge a quantity of adhesive material engaging the tongues and the upper flap, the tongues being provided along their transverse edges with a quantity of adhesive material engaging the upper flap.

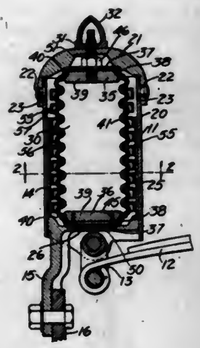
1,479,281. FLOOR WAXER. TYNE M. BUCK, Des Moines, Iowa. Filed Feb. 11, 1921. Serial No. 444,570. 6 Claims. (Cl. 91—43.)

1. In combination, a container having an open end, detachable means for securing a porous fabric across said opening, a disc slidably mounted within the container, means for forcing the said disc toward the fabric, and a handle pivoted near the open end of said container.



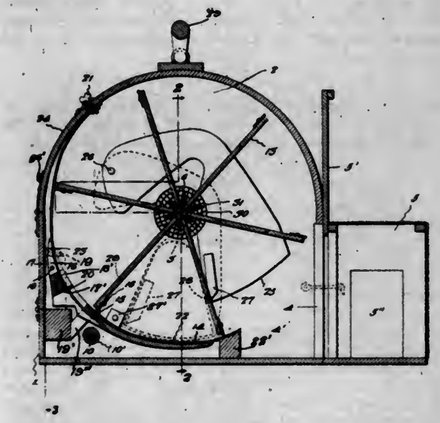
6. In a device of the class described, a contractable ring having a concave groove extending longitudinally in its inner face, means for contracting and locking said ring in its contracted position, and opposite and radial pins extending from the exterior surface of said ring.

1,479,282. AIR-CUSHION SHOCK ABSORBER. BRUCE BURNS, Alhambra, Calif. Filed Sept. 3, 1921. Serial No. 498,219. 1 Claim. (Cl. 267—65.)



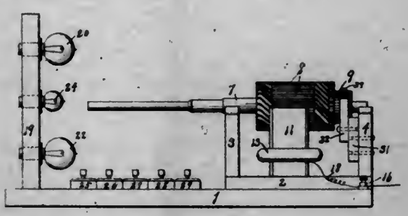
In a shock absorber, the combination of: a flexible member having corrugations about the outer surface thereof; means for applying pressure to each end of said flexible member; a rigid metal member surrounding said flexible member and rings fitting loosely inside said metal member, and engaging said corrugations in said flexible member at the base of said corrugations, said rings acting to accurately space said flexible member in said metal member and prevent wear on the outside of said flexible member due to its coming in contact with said metal member, the rings being of substantially L shaped cross section each consisting of a flange fitting down into said corrugations and a bearing portion fitting inside said metal member and rubbing against the internal surface thereof, the bearing portions of said rings forming an interrupted metal wall surrounding and protecting said flexible member and moving therewith.

1,479,283. RAT TRAP. JAMES C. CONRAD, Washington, D. C., assignor to Edwin P. Conrad, Zionsville, Ind. Filed May 13, 1921. Serial No. 469,261. 2 Claims. (Cl. 43—74.)



1. A trap of the class described comprising a casing having a circular chamber therein and an inlet opening leading into the chamber and an outlet opening leading therefrom, a rotary member in the chamber including a number of blades, means for rotating said member, a spring actuated trigger member, a lip thereon for engaging each blade, a weighted door eccentrically arranged in relation to the rotary member for closing the inlet opening under the action of gravity and a pin on each blade for engaging the door to hold the same in open position when the member is at rest and to free the same as soon as the member starts to move.

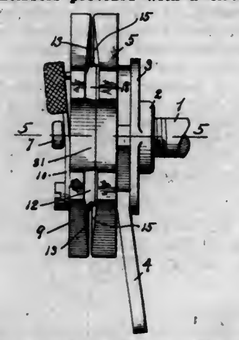
1,479,284. ARMATURE-WINDING-TESTING MECHANISM. JASPER F. CULLIN, Detroit, Mich., assignor, by mesne assignments, to William J. Hartwig, Detroit, Mich. Filed Jan. 7, 1920. Serial No. 349,859. 5 Claims. (Cl. 175—183.)



3. In a device for testing armatures, the combination of a pair of pedestals having V-grooves at their upper ends to receive the armature shafts, a series of electric lamps, a contact carrier and a series of contact pins slidably mounted therein and means to press the contacts into engagement with segments of the commutator, means to induce electric currents in the windings of the armature, and electric circuits connecting the lamps and contacts.

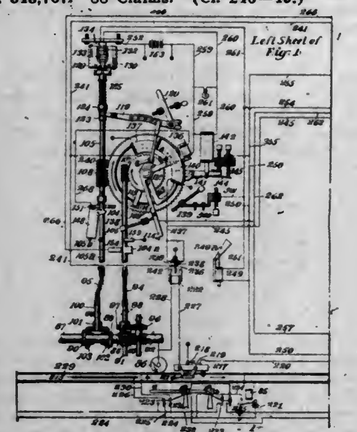
1,479,285. ARMATURE-COIL WINDER. JASPER F. CULLIN, Detroit, Mich., assignor to William J. Hartwig, Detroit, Mich. Filed Sept. 2, 1920. Serial No. 407,708. 3 Claims. (Cl. 140—92.2.)

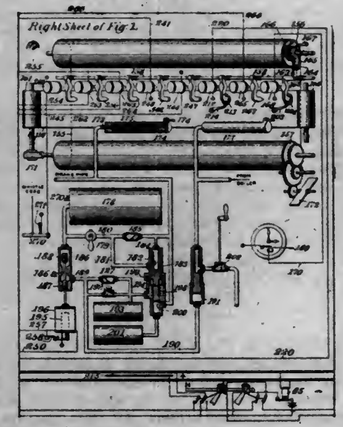
1. A winder for the coils of armatures for electric machines consisting of two members and means to secure them together, one of the members having a hub with inclined edges, said securing means comprising a pin on one of the members provided with a circumferential



groove and a latch pivoted on the other member and adapted to engage in the groove in the pin.

1,479,286. RAILWAY-TRAIN-CONTROL SYSTEM. ALBERT V. T. DAY, New Rochelle, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 4, 1913, Serial No. 771,650. Renewed Mar. 14, 1922. Serial No. 543,767. 88 Claims. (Cl. 246—49.)

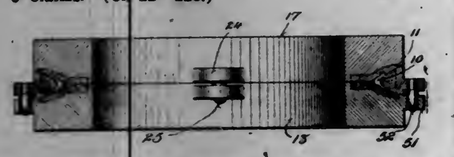




70. In combination, a railway vehicle, a rundown device thereon arranged to change from an initial to an

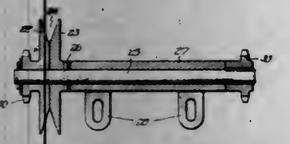
ultimate condition in a fixed distance of vehicle travel, speed-responsive means on said vehicle, vehicle governing apparatus on the vehicle controlled by said device and by said means, a railway track provided with a block longer than said fixed distance, traffic-controlled trackway means located adjacent the entrance end of said block for causing said run-down device to be restored to its initial condition, and other traffic-controlled trackway means located in said block at a distance from the exit end substantially equal to said fixed distance of vehicle travel for also causing said run-down device to be restored to its initial condition.

1,479,287. MOLDING MACHINE. JOHN W. DEARSLEY, Racine, Wis. Filed Dec. 12, 1921. Serial No. 521,751. 5 Claims. (Cl. 22—128.)



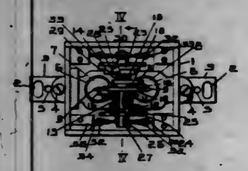
1. In a molding device, the combination of a drag and a cope having inner and outer members, and a cheek adapted to be positioned between said cope and drag, said cheek having a flange projecting towards the inner members of said cope and drag.

1,479,288. POWER-TRANSMISSION MECHANISM. FORREST V. DONALD, Minneapolis, Minn., assignor to Gilson Manufacturing Co., Port Washington, Wis., a Corporation of Wisconsin. Filed Oct. 24, 1921. Serial No. 509,873. 3 Claims. (Cl. 74—21.)



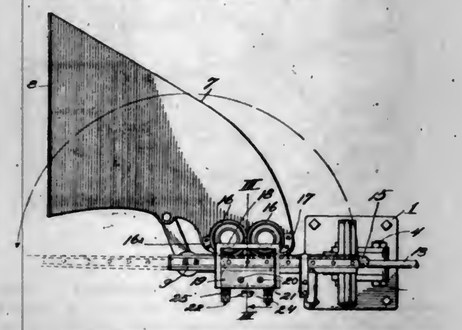
1. In a tractor, the combination of a plurality of traction wheels, an engine for propelling same, and power transmission mechanism interposed therebetween including a sheave having two parts for jointly receiving a power transmission belt, one of said sheave parts being operatively connected to one of said traction wheels and the other sheave part being operatively connected to another traction wheel, said sheave parts being capable of relative rotative movement when the belt is slackened to permit a turning movement of the tractor.

1,479,289. ELECTRIC SWITCH. JOHN J. DUCK, Toledo, Ohio. Filed Nov. 19, 1917. Serial No. 202,730. 3 Claims. (Cl. 200—156.)



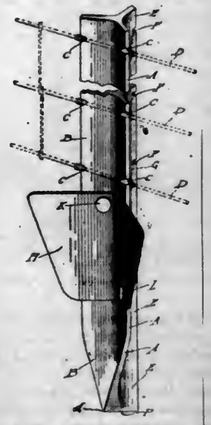
1. In electric switch structures, a housing providing an oblong chamber, a push button mounted to operate in the chamber centrally of an end thereof, a driven member, actuating means from the push button to the member, a button guiding link between the button and member in addition to said actuating means, and mounting means for the driven member, said driven member being positioned by said housing on one side of a diameter of the housing through the button, whereby said structure may be placed in either of two positions in said housing, the button in one position being spaced from that of the other position, with the driven member oppositely disposed and aligned in one position as to the other position.

1,479,290. TARGET-THROWING TRAP. ROBERT S. ELLIOTT, Kansas City, Mo. Filed Aug. 24, 1921. Serial No. 494,813. 8 Claims. (Cl. 124—6.)



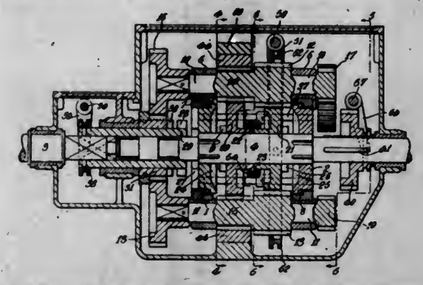
1. A target throwing trap comprising a table, a throwing arm arranged to sweep across the face of the table, means for latching the said arm in the same initial position preliminary to its throwing operations, and means carried by the table and projecting forwardly above said arm, when the latter is in said initial position, for retaining one or more targets against said arm.

1,479,291. METAL FENCEPOST. PERCY EDWIN EVANS, Chicago Heights, Ill. Filed Sept. 13, 1922. Serial No. 588,076. 1 Claim. (Cl. 256—57.)



A fence post comprising a metal bar having webs joined together to form a structure of Y-shaped cross section, each web having notches spaced apart vertically at the edges thereof, the notches of one web being in horizontal alinement with the notches of the other webs, fence wires disposed in the notches of two adjacent webs, and a retaining wire secured to the fence wire outside of said adjacent webs and passing through the notch on the other web, said retaining wire being spaced from the surface of the webs between the outer edges thereof.

1,479,292. CHANGE-SPEED MECHANISM. JAMES FARLEY, Hertford, England. Filed Feb. 21, 1923. Serial No. 620,512. 16 Claims. (Cl. 74—34.)



1. Change speed mechanism having in combination a driver shaft, a driven shaft, a clutch adapted to directly connect said shafts, a lay shaft, gear connecting the driver shaft and lay shaft, frames carrying said lay shaft, bearings for rotatably supporting said frames, a pinion on said lay shaft, a toothed change wheel meshing with said pinion, means for detachably connecting said change wheel with said driven shaft as required for rotation therewith, and a stationary internally toothed ring member coaxial with the driven shaft meshing with said pinion on the lay shaft.

1,479,293. PRODUCT OF REDUCTION OF OXYCODEINON AND PROCESS OF PREPARING THE SAME. MARTIN FREUND, deceased, late of Frankfort-on-the-Main, Germany, by Walter Freund, administrator, Frankfort-on-the-Main, Germany, and Edmund Speyer, Frankfort-on-the-Main, Germany. Original application filed July 15, 1921, Serial No. 485,130. Divided and this application filed Mar. 15, 1922. Serial No. 544,010. 2 Claims. (Cl. 260—25.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process of preparing dihydroxycodeinon, melting at 222° C., which consists in boiling oxycodeinon together with a solution of sodium hydrosulphite.

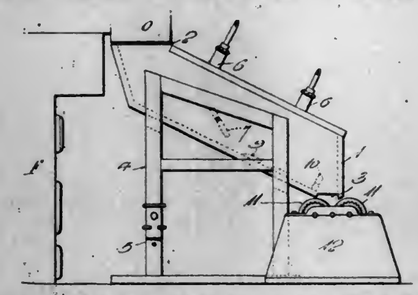
2. A new product of reduction, obtained by heating oxycodeinon together with a solution of sodium hydrosulphite, dihydroxycodeinon having the formula $C_{18}H_{23}NO_4$, which crystallizes from alcohol in long jagged columns, melting at 222° C., and yields well crystallized salts and forms an oxime, the hydrochloride of which is isolated in small sticks decomposing at 275 to 278° C.

1,479,294. SAFETY COLLAR AND CUFF BUTTON. MAX GONICK, New York, N. Y. Filed July 3, 1922. Serial No. 572,644. 2 Claims. (Cl. 24—90.5.)



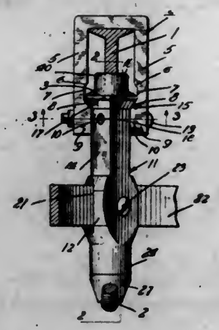
1. A collar and cuff button, comprising a post having on its ends a base member and a head member, said post having in spaced proximity to the base member two oppositely projecting substantially circular bosses, each having two spaced pairs of notches in its free edge at quadrants thereof, and a substantially U-shaped spring clamp having on the free ends of its arms protruding lugs pivotally seated in the sockets of the bosses whereby the clamp is adapted to be normally disposed in movable spanning position over the head of the post for being swung toward and from the base member and the arms of the clamp having teeth yieldingly engaging two pairs of the notches of said bosses when straddling the head member and also for yieldingly engaging the other two pairs of the notches when swung toward the base member.

1,479,295. MACHINE FOR MAKING GLASS SHEETS. EDWARD GREGORY, New Eagle, Pa. Filed Sept. 15, 1921. Serial No. 500,735. 3 Claims. (Cl. 49—33.)



1. A machine for making sheet glass comprising a chute provided with an inlet and with an outlet, and spaced deflectors secured to the bottom thereof and inside of the same for spreading the molten glass over the entire surface of the bottom before it is discharged from the chute and onto the cooling rollers.

1,479,296. RAILROAD-BRAKE FULCRUM. WALTER A. HAHN and ESPY DEEMS SHERRILL, Hickory, N. C. Filed Mar. 24, 1923. Serial No. 627,517. 3 Claims. (Cl. 188—232.)

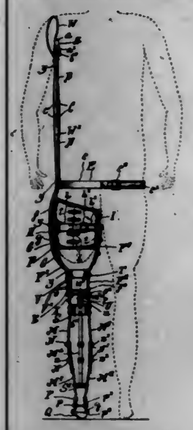


1. In a device of the class described, a yoke having parallel surfaces, a fulcrum member having parallel surfaces cooperating with the parallel surfaces of the yoke, the parallel surfaces of the fulcrum member being duplicated, to permit an axial adjustment of the fulcrum member, a securing element connecting the yoke with the fulcrum member, the fulcrum member having a plurality of openings for the reception of the securing element and permitting an axial adjustment of the fulcrum member, and a lever mounted to swing on the fulcrum member.

1,479,297. ARTIFICIAL LIMB AND HARNESS THEREFOR. RICHARD R. HARRIS, Ocean Beach, Calif. Filed May 19, 1923. Serial No. 640,278. 9 Claims. (Cl. 3—2.)

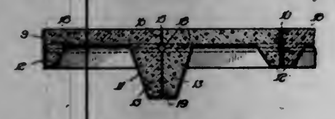
1. Apparatus of the character described, comprising a frame provided with a series of adjustable metal supporting strips hinged together to form a flexible crutch

extending substantially from the arm pit of the wearer to the ground, with a crotch piece connected to the head



of the upper strip by a universal joint, and a foot piece connected to the lower end of the lower strip, with means for connecting said frame to the body of the wearer.

1,479,298. FORM FOR CONCRETE BLOCKS AND METHOD OF REMOVING BLOCKS THEREFROM. ARTHUR G. HATCH, Duluth, Minn. Filed Nov. 2, 1921. Serial No. 512,207. 5 Claims. (Cl. 25—121.)



5. A mold for forming concrete blocks comprising fixed members and removable members, the latter comprising T-shaped sections adapted to form intersecting faces of each of two adjacent blocks, said sections having portions adapted to form grout grooves in the blocks.

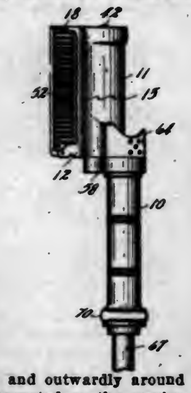
1,479,299. ROAD TAMPER AND STRIKE OFF. JOSEPH W. HELTZEL, Warren, Ohio. Filed Feb. 10, 1920. Serial No. 357,552. 7 Claims. (Cl. 94—45.)



1. The combination with a road finishing and making machine; of a tamper and strike off supported in an inclined position for oscillation at one end thereof, said device being pivoted at one edge and the other edge portion of the device being movable in a limited arcuate path so as to produce a tamping action from a maximum to a minimum elevation conforming to the surface of the road bed to be produced, and varying from a violent action to zero, at the other end.

1,479,300. SHAVING MACHINE. SIDNEY P. JONES, Waco, Tex., assignor to The Jones Electric Corporation, Waco, Tex. Filed Nov. 17, 1923. Serial No. 675,252. 14 Claims. (Cl. 30—12.)

1. In a shaving machine, a support having a slot in its face, a blade carrier extending through the slot of the support from within the latter, operating means for shuttling the carrier mounted in the support, and a marginal flange on the carrier overhanging the face of the support contiguous to the slot and in close proximity to said face, whereby lubricants are prevented from passing



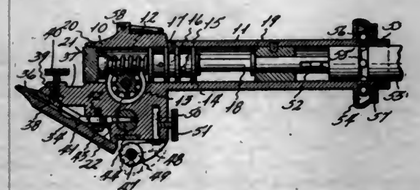
through the slot and outwardly around the carrier, and a shuttle blade mounted on the carrier.

1,479,301. SHAVING MACHINE. SIDNEY P. JONES, Waco, Tex., assignor to The Jones Electric Corporation, Waco, Tex. Filed Feb. 8, 1923. Serial No. 617,756. 15 Claims. (Cl. 30—12.)



1. In a shaving machine, an elongated handle member, a support extending longitudinally from the handle member, a web extending radially from the support, open guards on each side of the outer portion of the web disposed in longitudinal relation to the handle member and support, a reciprocating cutting blade mounted on the outer face of the support and having its cutting edges between the guards, means in the support for imparting a shuttle motion to the blade, and a guard cover over a portion of the blade.

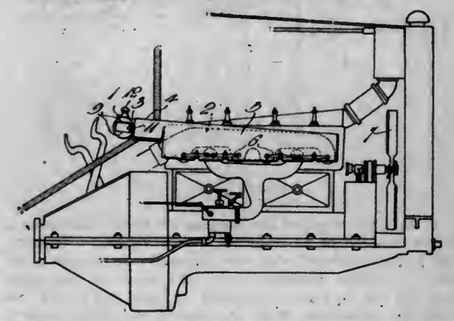
1,479,302. HAIR CLIPPER. SIDNEY P. JONES, Waco, Tex., assignor to The Jones Electric Corporation, Waco, Tex. Filed Nov. 17, 1923. Serial No. 675,253. 12 Claims. (Cl. 30—1.)



1. In a hair clipper, a tubular handle, a head secured to the handle and having its bottom offset an ample dis-

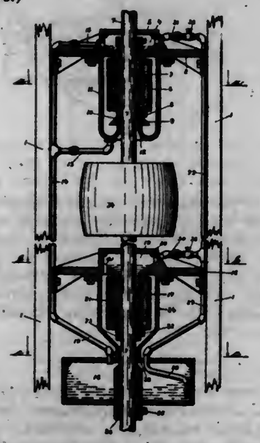
tance from the handle, a thumb grip on one side and a finger grip on the other side of the head, a cutter blade mounted on the bottom, a shuttle blade mounted in the head on the bottom blade, a drive shaft in the handle, and driving means for the shuttle blade connected with the driving shaft.

1,479,303. AUTOMOBILE HEAT DISTRIBUTOR. RALPH CHARLES KIRCH, Keokuk, Iowa, assignor to Weber-Kirch Mfg. Co., Keokuk, Iowa, a Corporation. Filed June 25, 1923. Serial No. 647,665. 2 Claims. (Cl. 98—49.)



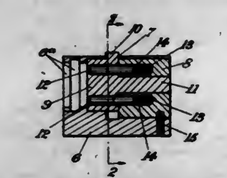
1. A motor vehicle heat distributor comprising a hollow elongated cylinder for transverse disposition in the front end of a vehicle body near one side of the latter, said cylinder having a restricted open end for choking down discharge of heat adjacent said one side of the body and having its other end open and relatively unrestricted for discharging a greater amount of heat toward the other side of the body, the front side of said cylinder having a hot air inlet and the rear and lower sides thereof being provided with heat escape openings substantially throughout its length.

1,479,304. LUBRICATING SYSTEM FOR VERTICAL SHAFTS. FERDINAND W. KROGH, San Francisco, Calif.; Mary L. Krogh, Fannie J. Clarke, C. A. Krogh, and Oscar Poulsen, legatees by court order of distribution of the estate of said Ferdinand W. Krogh, deceased, assignors to Krogh Pump and Machinery Company, San Francisco, Calif., a Corporation of California. Filed May 29, 1918. Serial No. 237,631. 3 Claims. (Cl. 64—56.)



1. An enclosed lubricating system comprising a fixed closed receiving tank and a rotating supply tank, an overflow rotating receptacle therebetween, a stationary cup surrounding said receptacle and a pipe for delivering lubricant from said cup to said supply tank.

1,479,305. LOCK MECHANISM. HENRY JAMES LEE, Birmingham, England. Filed June 6, 1921. Serial No. 475,430. 3 Claims. (Cl. 70—47.)



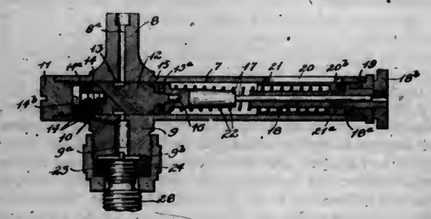
1. A lock comprising in combination a body which contains the lock, a casing having a segmental slot, a fixed section, a rotary section, spring controlled plungers co-axial with the longitudinal axis of the lock and adapted to interlock the rotary section to the fixed section, and an eccentric section carried by the rotary section which upon rotation projects through the segmental slot in the lock casing and moves into locking or locating engagement with corresponding recesses formed in the body which contains the lock.

1,479,306. DETACHABLE END FOR AUGERS OR BITS. YVON P. LEGER, Memramcook, New Brunswick, Canada, assignor of one-fourth to Lucien Melanson, Moncton, New Brunswick, Canada. Filed June 9, 1922. Serial No. 567,227. 1 Claim. (Cl. 145—126.)



A device of the character described comprising a spiral member having a blank end, a separate spiral ribbon adapted for engagement on the end of said spiral member, said ribbon terminating in a cutting lip, and a screw point formed at the working end of said ribbon.

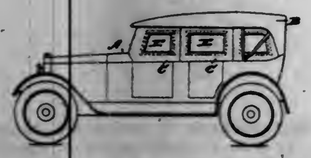
1,479,307. AIR-PRESSURE CONTROLLER FOR INFLATING PNEUMATIC TIRES. MICHAEL J. MCANENY, Denver, Colo. Filed Oct. 18, 1922. Serial No. 595,334. 4 Claims. (Cl. 50—8.)



1. A device for controlling the admission of air-pressure into a pneumatic tire undergoing inflation, comprising a tubular valve-casing provided with pressure inlet and outlet-ducts, a spring-pressed valve in the casing having a stem and an air-duct normally registering with said ducts, a duct connecting said outlet-duct with the casing in advance of the valve therein, a sleeve

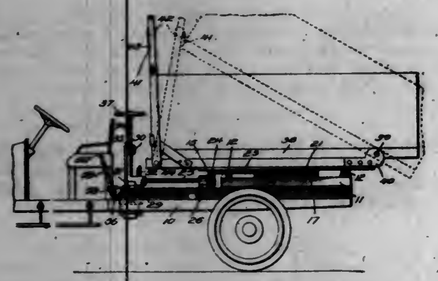
in the casing reciprocably confined against the valve-spring therein and provided with a nut, a hollow screw extending through the sleeve in engagement with the nut and confined against longitudinal movement and lengthwise through which the valve-stem works, and means for turning the screw to adjust the tension of the valve-spring.

1,479,308. WINDOW FOR VEHICLE CURTAINS. ARTHUR MAAKE, Detroit, Mich. Filed June 29, 1922. Serial No. 571,733. 4 Claims. (Cl. 296—145.)



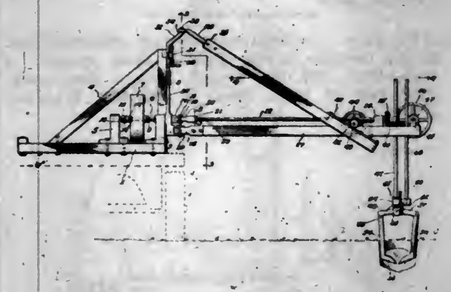
1. In a device of the character described, the combination of a curtain provided with a window opening, a window frame secured to the curtain, a sheet of glass fitted to the frame, a plurality of corner members comprising two co-operating plates spaced apart to receive the corners of the glass, one of said plates having flanges adapted to overlap the edges of the glass and also a projecting tongue provided with an aperture for the passage of a bolt, one of said plates having also a plurality of lugs adapted to be bent to overlap its co-operating plate, whereby the glass may be secured between the plates of the corner members, and a bolt extending through the tongue and window frame to secure the glass against displacement.

1,479,309. DUMPING TRUCK. CHARLES K. MATTIX, Hubbard, Ohio. Filed Apr. 21, 1922. Serial No. 555,829. 2 Claims. (Cl. 298—9.)



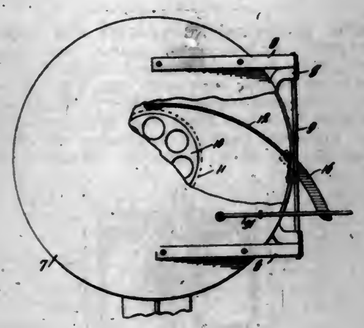
1. A dumping truck comprising a chassis, a rotatable supporting frame supported thereby, a turn table depending from said frame, a dumping body arranged for tilting movement on said frame, a rack and pinion mechanism for effecting the operation of said turn table to position said dumping body to dump the load from either side or rearwardly of the chassis, a drum and cable mechanism for effecting the tilting of said body for dumping after said body has been shifted by the turn table, and a manually actuated operating means common to said mechanisms and including a vertically movable bevel gear for meshing engagement with the rack and pinion mechanism and for seating engagement with the drum and cable mechanism and arranged for the independent actuation of the said mechanisms.

1,479,310. POSTHOLE DIGGER. ORAN D. MONSON, Celina, Ohio. Filed July 15, 1922. Serial No. 575,151. 6 Claims. (Cl. 255—22.)



1. An apparatus for the purpose set forth comprising a frame adapted to be mounted upon a vehicle, a supporting beam connected with the frame for universal movement, a digger mounted upon said beam at the outer end thereof, a shaft supported by said beam and operatively connected with the digger, a shaft mounted upon the frame and connected with the first-mentioned shaft by a universal joint, and means connecting the frame and the lateral beam whereby to maintain the beam in a horizontal position.

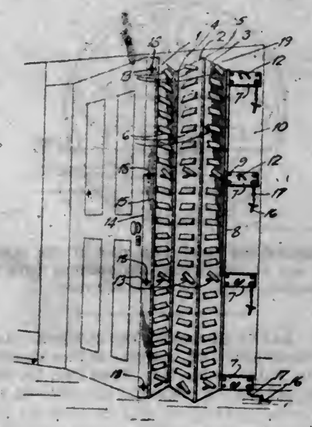
1,479,311. SWITCH FOR MOTION-PICTURE PROJECTORS. HARRY J. MUNSTER, San Diego, Calif. Filed Nov. 4, 1920. Serial No. 421,721. 1 Claim. (Cl. 200—52.)



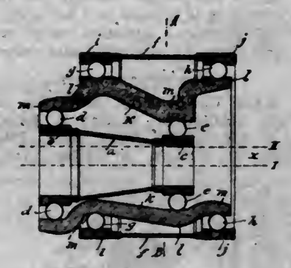
A device of the character described including a casing equipped with an arm pivotally mounted in the casing and having one end thereof projected through the latter, an insulated block adjustably mounted on the projected end of said arm, a contact screw adjustably mounted in said block, and a contact for cooperation with said screw consisting of an oil containing cup mounted on the side of said casing.

1,479,312. SHUTTER ATTACHMENT FOR DOORS. LYDIA MARIAN O'HARROW, Philadelphia, Pa. Filed Mar. 13, 1922. Serial No. 543,374. 4 Claims. (Cl. 98—27.)

2. The combination with a hingedly mounted door and a frame for said door, of a foldable ventilating shutter comprising a plurality of plates hingedly mounted to one another and provided with ventilating openings therethrough, one of said plates being hingedly supported at one edge on said frame, and means for removably securing the opposite edge of said shutter to said door.



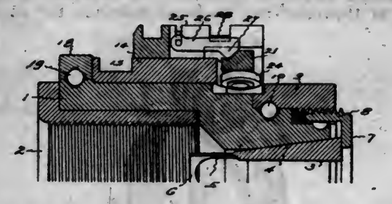
1,479,313. SHOCK-DEADENING BALL OR ROLLER BEARING. BELA PALLAVICINI, Vienna, Austria. Filed Sept. 2, 1921. Serial No. 497,964. 2 Claims. (Cl. 64—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A shock deadening ball bearing for vehicles comprising a central sleeve having a plurality of ribs and constrictions formed on its inner and outer surfaces to provide a plurality of inner and outer ball races, eccentrically disposed with respect to the axis of said sleeve, each of said ball races being defined by a rib and a cooperating constriction in alignment therewith, and a ring of balls interposed between said inner races and the axle of the vehicle and a ring of balls interposed between each of the outer races and the wheel hub.

1,479,314. COLLET-CHUCK-OPERATING MEANS. EMIL L. PFUNDER, Windsor, Conn., assignor to The J. M. Ney Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 12, 1923. Serial No. 618,664. 12 Claims. (Cl. 279—59.)

1. The combination with a chuck of the character described of longitudinally movable means adapted to control the position of the collet, rotatable means for positioning said collet controlling means, and reciprocating means adapted to impart a step by step rotative movement to said rotatable means.



1,479,315. ELECTRICAL CONDENSER AND PROCESS FOR MAKING THE SAME. GREENLEAF WHITTIER PICKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Jan. 12, 1921. Serial No. 436,650. 16 Claims. (Cl. 250—41.)



1. An electrical condenser element which comprises a dielectric sheet having two sheets of metal integrally united with the central portions of its two side surfaces, each metal sheet extending to a portion of the edge of the dielectric sheet, said extensions of the metal sheets being respectively to portions of the edge of the dielectric sheet which are spaced from one another.

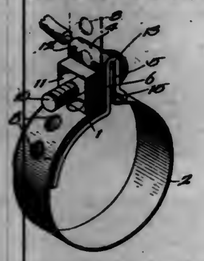
13. The herein-described method of making electrical condensers which consists in depositing electrically continuous layers of metal upon sheets of dielectric by the application of metal in a finely divided state to central parts of the sheets within their edges but extending to a certain portion of the edge of each sheet, while leaving free of metal a margin along the remaining portions of the edges of the dielectric sheets; building a stack of such metal-coated dielectric sheets; treating the stack with insulating material; and making connections between layers of metal, via the portions thereof which extend to the edges of the dielectrics, to form a condenser having two groups of metal layers respectively of opposite polarity, substantially as described.

16. An electrical condenser stack comprising dielectric sheets, each of which has a metal sheet integrally united with a part of its surface and extending to one portion of the edge thereof but not to another portion of such edge, said compound sheets being arranged in the stack in pairs whereof the extending metal portions of one pair lie in contact with the extending metal portions of the pairs on opposite sides of said given pair; and whereof said non-covered surfaces of the dielectric sheets of one pair lie adjacent to like surfaces of the dielectric sheets of the pairs on opposite sides of said given pair, and form spaces near the edges of and between successive pairs; insulating material in said spaces; said contacting extending metal portions being electrically connected together in two separate groups to constitute the two terminals of the condenser.

1,479,316. PIPE CLAMP. RALPH S. PHISCH, Hinsdale, Ill. Filed Oct. 11, 1920. Serial No. 416,166. 3 Claims. (Cl. 173—273.)

1. In a clamp, the combination with a bridge piece having an arcuate portion and a laterally extending outwardly projecting extension of U-shape joined at

one end with one end of the arcuate portion of the bridge piece; of a circular band having two lateral outwardly projecting extensions, one between the sides of the U-portion and the other overlying the arcuate



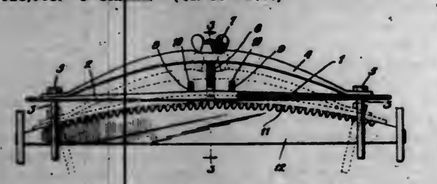
bridge portion; and a clamping bolt passing through passages that are formed in the lateral extensions of said band and bridge piece, the free end of the U-shaped extension having an angular continuation for the attachment of wire thereto.

1,479,317. PIPE CLAMP. RALPH S. PRICE, Hinsdale, Ill. Filed Nov. 27, 1922. Serial No. 603,432. 3 Claims. (Cl. 24—19.)



1. In a clamp, the combination with a band that is oblong in cross section and has two outwardly extending lateral projections formed with bolt receiving passages therethrough; of a bolt passing through said passages having threads receiving an edge portion of the band and whose intercrown space is wider than the thickness of the band, the portion of the band that engages the thread of the bolt being of helical curvature at its thread engaging edge which conforms to the spiral of such thread.

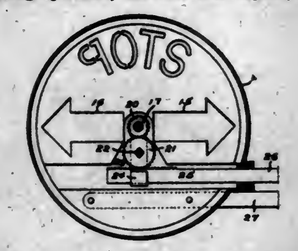
1,479,318. SAW-SETTING DEVICE. HENRY PIETEMAA, Poulsbo, Wash. Filed Feb. 9, 1923. Serial No. 618,063. 5 Claims. (Cl. 33—202.)



1. A saw gauge, comprising a flexible gauging plate, means for flexing said plate to conform to the curvature of the saw, and means carried by said plate for gauging cooperation with certain teeth.

1,479,319. SIGNAL DEVICE. ARTHUR GARFIELD REMHILT, Philadelphia, Pa. Filed July 18, 1921. Serial No. 485,591. 6 Claims. (Cl. 116—47.)

1. A device of the character described including a case having perforations in its front and rear indicating visible signal positions; and a member movable within said case having on its opposite parts portions of reflective and comparatively non-reflective character, said member being optionally movable into registry with said



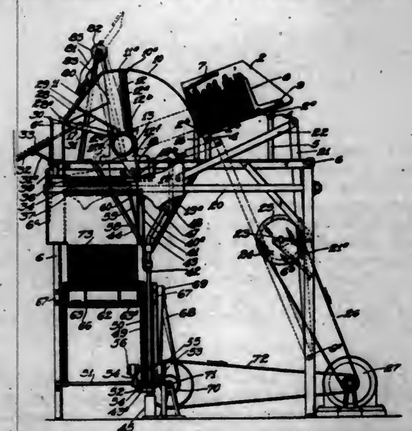
perforations of the front and rear of the case to expose any one of said signal perforations with said reflective portion, substantially as described.

1,479,320. RIVET BREAKER OR CUTTER. ALBERT G. RICE, Indianapolis, Ind., assignor to Rice Manufacturing Company, Indianapolis, Ind. Filed Dec. 10, 1919. Serial No. 343,893. 2 Claims. (Cl. 121—21.)



1. A pneumatic implement of the class involving in operation a manually controlled alternating stroke, comprising an elongated barrel having an inlet provided at one side of the head of the barrel to admit a pressure fluid, a plunger reciprocally mounted therein for actuation by said fluid, a rotatable valve mounted in the head of the barrel communicating with said inlet and having an unobstructed curved wall free from shoulders to direct the full pressure at maximum velocity immediately into the barrel against an end of the plunger whereby the direction of movement of the fluid is changed into line with the movement of the plunger with a minimum loss of effective impact force, and means for operating said valve.

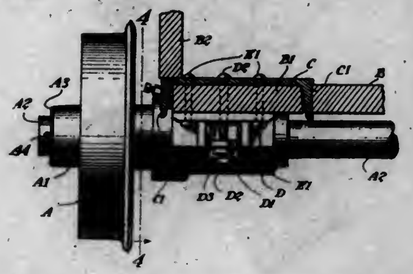
1,479,321. MAIL CANCELING, SORTING, AND DISTRIBUTING MACHINE. MARTIN S. RUNSVOLD and HARRISON G. SLOANE, San Diego, Calif. Filed Apr. 5, 1922. Serial No. 549,731. 57 Claims. (Cl. 101—2.)



1. In a machine of the class described, a feeding chamber, a means for singly extracting the contents from said chamber, a display member spaced and separated from

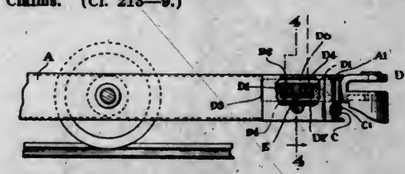
said feeding chamber for displaying the contents of said chamber and adapted to communicate with said extracting means and a distributing means adapted to receive said contents from the displayer member and distribute the same.

1,479,322. MINE CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed June 3, 1922. Serial No. 565,567. 36 Claims. (Cl. 295—42.)



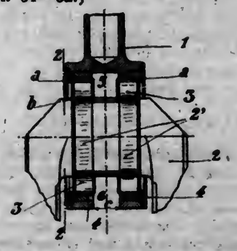
28. In a structure of the kind described, the combination with a car body, an axle, an axle box, means directly engaging the axle box for limiting movement of the axle box parallel to the length of the car body and permitting up-and-down movement, a trunnion-form ear at each side of the axle box in the middle upright transverse plane of said box, and springs extending downward from the car bottom and resting on said ears, substantially as described.

1,479,326. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed May 10, 1921. Serial No. 468,253. 9 Claims. (Cl. 213—9.)



1. In a vehicle of the kind described, the combination of longitudinal sills formed of flanged irons having their ends bent to form arch-shape members and then bent backward in parallel relationship, the flange stiffening the sills and forming a housing with parallel upright walls for a draw-bar, substantially as described.

1,479,324. ROLLER BEARING FOR CRANK SHAFTS, CONNECTING RODS, AND THE LIKE. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Sept. 19, 1923. Serial No. 663,659. 10 Claims. (Cl. 64—62.)



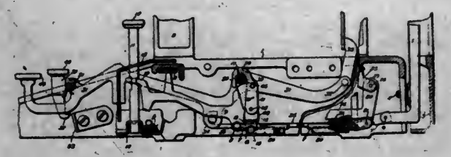
1. In a roller bearing, the combination of a crank shaft having inner roller races formed thereon, outer roller races comprising one-piece rings having internal diameters of sufficient size to provide for slipping the same into position over a crank of said shaft, and a plurality of rollers confined in rolling engagement with said inner races by said rings.

1,479,325. CHUCK. JOSEPH SCHUBNEL, North Adams, Mass. Filed Oct. 8, 1921. Serial No. 506,510. 2 Claims. (Cl. 77—66.)



1. A drill chuck comprising a body, and drill-gripping jaws protruding from the forward end thereof, said protruding ends of the jaw having countersinking cutting edges, a gage ring carried by the chuck body, and adjustable to project from the forward end of the chuck body, and having a diameter to encircle the protruding ends of the jaws, a shank carrying the chuck body, and having a threaded portion, a traveling nut on said threaded portion, rods carrying the gage ring and slidably supported by the chuck body, and a member swiveled to the nut and having a connection with the rods.

1,479,326. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Mar. 24, 1922. Serial No. 546,316. 7 Claims. (Cl. 197—176.)



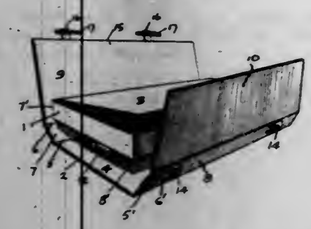
1. In a typewriting machine, the combination of a cross bar having a peripheral bearing groove therein, a depending arm having a hook-like bearing portion seated in said peripheral bearing groove, and a retaining member carried by and straddling said arm and coacting with the periphery of the shaft outside and on opposite sides of said peripheral groove to prevent a displacement of the arm transversely of the cross bar, said retaining member being

movably mounted on the arm for movement into and out of retaining position whereby the arm may be readily dismounted when the retaining member is open by a displacement of the arm transversely of the cross bar.

1,479,327. METHOD OF TREATING STEEL. HUGH C. SICARD, Niagara Falls, N. Y., assignor to United States Ferro Alloys Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,768. 9 Claims. (Cl. 75—27.)

1. A process of treating steel comprising the addition to the molten metal of aluminum, and the addition of a metallic oxide which will combine with the alumina, formed by the reaction of the steel and aluminum, and lower the melting point of the alumina, whereby the impurities contained in the steel will escape with the slag and flow to the surface of the molten metal.

1,479,328. BOX. JOSEPH C. SINEL, San Francisco, Calif. Filed Nov. 3, 1921. Serial No. 512,554. 1 Claim. (Cl. 229—6.)



A device such as described, comprising, in combination, a container; projections on the under face of said container; a cover having means thereon adapted to detachably engage the projections of said container, said cover comprising a sheet of material creased and foldable into middle, intermediate and end sections which are engageable respectively with the bottom, sides and top of said container, the end sections being adapted to overlap each other on the top of said container; and latch means, on an end and intermediate section for engaging each other.

1,479,329. BEVERAGE. MARJORIE G. SNELLING, Allentown, Pa. Filed Sept. 10, 1921. Serial No. 499,681. 5 Claims. (Cl. 99—11.)

1. In the preparation of beverages the process which comprises treating the peel of a citrous fruit with an aqueous solution of lactic acid.

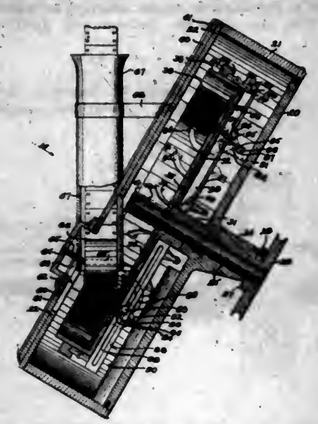
1,479,330. PLASTIC PRODUCT. WALTER O. SNELLING, Allentown, Pa. Filed Apr. 30, 1920. Serial No. 377,943. 3 Claims. (Cl. 99—16.)

2. The process which comprises vulcanizing an oil, depolymerizing the factis so obtained, repolymerizing the resulting material, and incorporating the products so obtained with a resin.

3. A chicle substitute compoising a vulcanized oil and a resin.

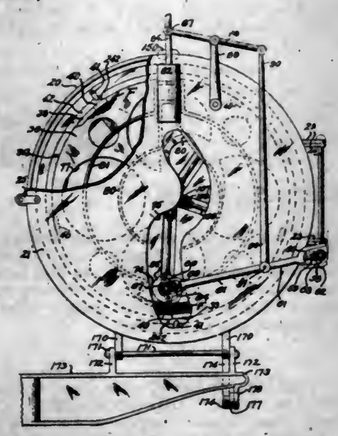
1,479,331. NON-REWIND REEL FOR MOTION-PICTURE FILMS. HARRY M. STEPHENSON, Denver, Colo. Filed Aug. 28, 1919, Serial No. 320,380. Renewed Aug. 11, 1922. Serial No. 581,261. 30 Claims. (Cl. 88—18.7.)

1. In combination a reel and a carrier therefor, and tension devices mounted on said structure and normally engaging the film as it builds up in the reel and yielding bodily inwardly during the film winding operation, and



means acting on the said devices to cause them to release the film at predetermined intervals.

1,479,332. INTERNAL-WIND REEL MECHANISM FOR MOTION-PICTURE MACHINES. HARRY M. STEPHENSON, Denver, Colo. Filed Dec. 22, 1919, Serial No. 346,540. Renewed June 4, 1923. 20 Claims. (Cl. 88—18.7.)



1. An internal-wind mechanism, comprising a casing, an internal-wind reel within the casing, means to drive the reel, means within the reel to engage a film, and power-driven means to positively feed the film into the reel, said film-engaging means comprising intermittently movable pressure devices adapted to be withdrawn from the film as the reel passes the incoming portion of the film.

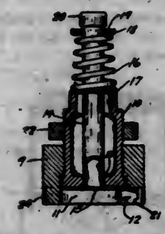
1,479,333. AUTOMATIC TAPE OR FILM REVERSING REEL. HARRY M. STEPHENSON, Denver, Colo. Filed Sept. 27, 1919, Serial No. 326,852. Renewed June 4, 1923. 14 Claims. (Cl. 88—18.7.)

1. An automatic tape- and film-reversing reel, comprising a support, a rotary reel carrier on said support, a reel for internal winding of the tape or film mounted to rotate with the carrier, a plurality of fingers slidably and pivotally mounted on the carrier and having one end of each projecting within the reel to engage the film being wound therein, and means tending to draw



said fingers bodily outward, comprising a member mounted on the carrier for relative movement thereon, friction means on the support engaging said member, and means connecting said member with said fingers.

1,479,334. GREASE PLUG FOR LOCOMOTIVES. EDWIN WALTON STEVENSON, Cheyenne, Wyo., assignor of one-half to Charles D. Carey, Cheyenne, Wyo. Filed May 20, 1922. Serial No. 562,455. 5 Claims. (Cl. 184—38.)

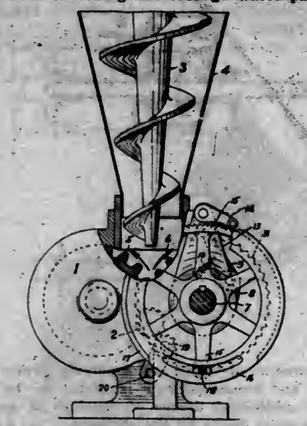


5. A grease plug comprising, in combination, a tubular member having the upper portion of the opening threaded and the lower portion thereof of larger diameter than the upper; a plug threadedly engaging the upper portion of said opening, the lower end of the plug being larger than the upper end, but smaller than the lower portion of said opening, whereby the plug can be inserted into and removed from the tubular member from below only, said plug having an opening extending longitudinally therethrough; a plunger reciprocally mounted in said last named opening, said plunger having a head of substantially the same diameter as the root diameter of the lower threaded portion of the plug; and means comprising a spring operatively connected to the plug and plunger and adapted to move the latter upwardly so that the head of the plunger will engage the bottom of the plug.

1,479,335. TUBE FILLER. FRANCIS J. STOKES, Philadelphia, Pa. Filed July 12, 1921. Serial No. 484,105. 1 Claim. (Cl. 226—107.)

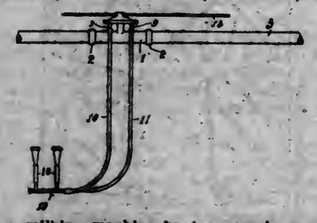
In a machine for filling containers with paste or the like the combination of a rotative feeder having intermeshing toothed wheels operating to suck paste or the like into the housing of the rotative feeder and to expel the same from the housing of the rotative feeder in quantity determined by the distance through which the wheels move, an outlet nozzle communicating with the interior of the housing of the rotative feeder and adapted

to receive paste or the like expelled by the toothed wheels and to discharge it into a container, an inlet provided for the housing and through which paste or the



like is sucked by the toothed wheels, and means for intermittently rotating said toothed wheels in the same direction through definite distances to eject definite and uniform quantities of paste or the like.

1,479,336. MILKING MACHINE. JOSEPH TAYLOR, Eltham, Taranaki, New Zealand. Filed Aug. 7, 1922. Serial No. 580,271. 4 Claims. (Cl. 31—99.)



1. In a milking machine having a main vacuum milk pipe and into which the milk from the teat cups is drawn; single chambered teat cups connected with said main vacuum milk pipe which permits a small quantity of air to enter from the exterior of said cups, said teat cups divided into pairs, means whereby one pair of said cups communicate with said main vacuum milk pipe by one line, the other pair communicating by another line with the main vacuum milk pipe, means interposed between the said lines and the main vacuum milk pipe whereby communication is intermittently and alternately cut off between said main vacuum milk pipe and each line, substantially as described.

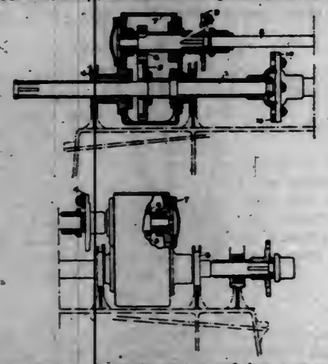
1,479,337. METHOD OF MAKING WATERMARKED STATIONERY. WILLARD M. TEMPLE, Mason City, Iowa. Filed May 28, 1923. Serial No. 642,108. 2 Claims. (Cl. 101—32.)

1. A process of making watermarked paper which consists in passing manufactured paper through a press and impressing thereon a mark clearly visible by both transmitted and reflected light by means of a marking fluid of a waxy nature containing a paper penetrating evaporable solvent.

1,479,338. METHOD OF TESTING GEAR WHEELS, UNIVERSAL JOINTS, AND OTHER POWER-TRANSMITTING MECHANISMS. JOHN G. P. THOMAS, Preston, England. Filed Feb. 4, 1920. Serial No. 356,183. 12 Claims. (Cl. 73—51.)

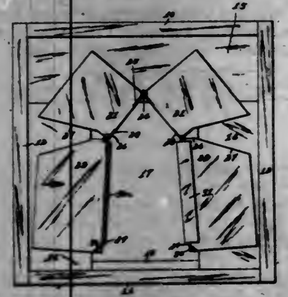
1. In combination, a circuit of mechanical power transmission elements each positively driving the next on

one side and positively driven by the next on the other side, at least one of said elements having an additional degree of freedom, means for imparting movement to



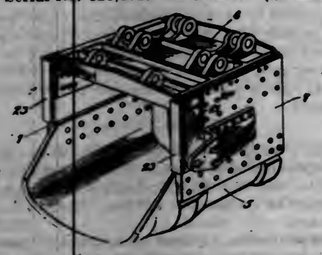
said transmission elements and supplying power to make up losses, and means for applying force to the element having an additional degree of freedom to move said element so as to strain all the elements.

1,479,339. HOG-HOUSE DOOR. CARL O. TORGERSON, Slater, Iowa. Filed Dec. 11, 1922. Serial No. 606,155. 6 Claims. (Cl. 20—16.)



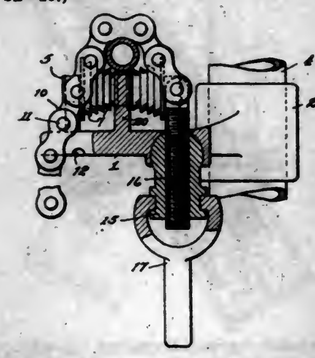
2. A door frame having a door opening, a pair of upper door members for said opening, means for pivoting the upper and adjacent corners of said door members together so their lower ends may be free to swing from each other, a lower door member pivoted to the upper inner corner of each of said upper door members and means secured to one of the faces of each of said door members so arranged that the door members may be moved to an open position by being engaged by an animal's nose.

1,479,340. STEAM SHOVEL OR DREDGE DIPPER. JOSEPH A. TRAINOR, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Mar. 17, 1923. Serial No. 625,851. 11 Claims. (Cl. 214—145.)



1. A dipper embodying a front and back having confronting extensions, and side panels overlying said extensions and having a double tongue lock connection therewith to impart a degree of flexibility to the dipper to enable it to resist shocks and stresses.

1,479,341. PIPE VISE. JOSEPH TRICKEL, Reading, Pa. Filed Apr. 21, 1923. Serial No. 633,597. 3 Claims. (Cl. 81—19.)



1. In a pipe vise, the combination of a base, a pair of parallel, annularly serrated rolls of varied diameter mounted on the base for rotation, a vertical pipe supporting post located between the rolls, a chain for holding the pipe in contact against the rolls, and means for drawing said chain taut and means for holding the chain in position when so drawn.

1,479,342. CAN OPENER. JOHN TRIMBLE, Philadelphia, Pa. Filed Oct. 3, 1922. Serial No. 592,014. 5 Claims. (Cl. 30—3.)



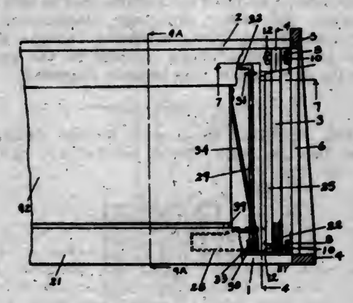
3. A can opener comprising a strip bent to form a frame; a hand grip secured to the ends of the strip; centering means on the frame, and cutting means on the frame.

1,479,343. SURGICAL INSTRUMENT. SAMUEL A. VAN OSDEL, Johnson, Nebr. Filed Oct. 6, 1920. Serial No. 415,081. 11 Claims. (Cl. 128—309.)



11. A surgical instrument comprising an apertured member, means for clamping the part protruding through said aperture, and a severing blade movable adjacent to said clamp in a direction toward the operator to sever the protruding part.

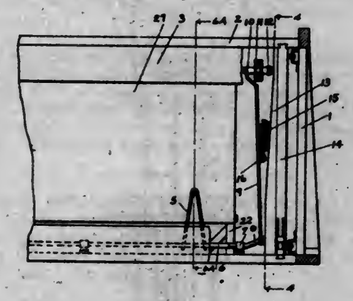
1,479,344. BED COUCH. JERROLD F. WALTON, Sturgis, Mich. Filed May 5, 1922. Serial No. 558,555. 11 Claims. (Cl. 5—18.)



1. In a couch bed, the combination of a main section, an adjustable section slidably mounted on said main section to telescope therewith, a leg for said adjustable section, a leg supporting rod pivotally mounted on said adjustable section transversely thereof and having a crank arm, a spring acting to hold said leg normally collapsed, and a cam member on said main section coacting with the arm of said leg supporting rod, whereby the leg is erected when the adjustable section is moved to its extended position.

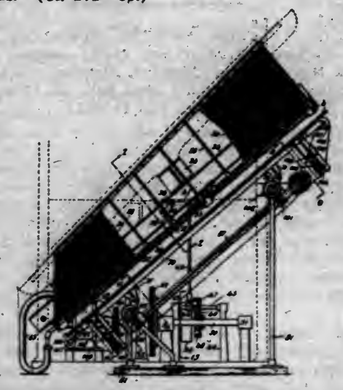
9. In a couch bed, the combination of a main section having a bottom for a portion thereof providing a receptacle adapted to receive bedding or the like, an adjustable section comprising a frame slidably mounted on said main section to telescope over the receptacle, and legs mounted on said adjustable section to collapse against the under side thereof at the outer side of the vertical walls of said receptacle.

1,479,345. COUCH BED. JERROLD F. WALTON, Sturgis, Mich. Filed May 5, 1922. Serial No. 558,554. 7 Claims. (Cl. 5—313.)



1. In a couch bed, the combination of a main section, an adjustable section slidably associated therewith, a rod having a crank at one end disposed longitudinally at the front of the adjustable section and journaled thereon, legs on said rod, an actuating lever pivotally mounted at the rear of said adjustable section, a link connecting said crank to said lever, a cam member on said main section with which said lever coacts, and a coiled spring connected to said link so that the legs are erected by the coaction of the lever and cam member when the adjustable section is extended and the legs are collapsed by the spring when the adjustable section is moved to collapsed position.

1,479,346. AUTOMATIC TAKE-OFF MECHANISM. JULIUS WEGNER, New York, N. Y., assignor to Spadone Machine Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Mar. 12, 1921, Serial No. 451,856. Divided and this application filed Dec. 7, 1922. Serial No. 605,530. 6 Claims. (Cl. 271—88.)

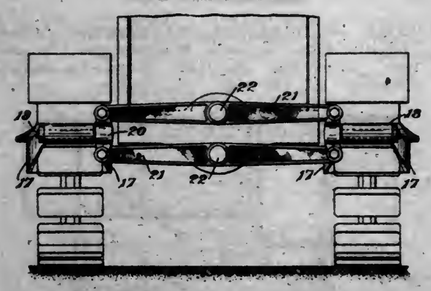


1. A take-off comprising carrying means having an initial lineal movement and a subsequent pivotal movement out of the plane of said lineal movement and means for actuating said carrying means.

1,479,347. METHOD FOR THE HEATING OF MELTING FURNACES OR THE LIKE. EDUARD WEYMANN, Dortmund, Germany, assignor to Eisen- und Stohlwerk Hoesch Aktiengesellschaft, Dortmund, Germany. Filed Mar. 1, 1923. Serial No. 622,211. 1 Claim. (Cl. 263—1.)

The hereindescribed cyclic method which consists in generating the heat in melting furnaces by oxygenated air and fuel, generating steam by heating steam boilers by the gases escaping from said furnaces, utilizing the steam in the operation of an oxygen producing apparatus, adding to air the oxygen so produced and finally mixing the oxygenated air with fuel for again heating the furnaces.

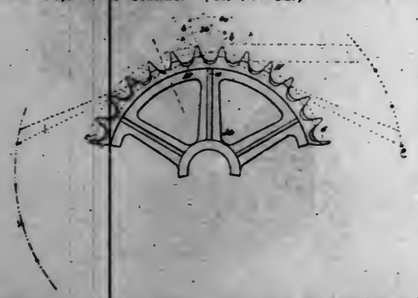
1,479,348. EQUALIZING MECHANISM FOR TRACTORS. ELMER E. WICKERSHAM, Oakland, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Jan. 26, 1921. Serial No. 439,981. 4 Claims. (Cl. 305—9.)



1. In a tractor of the self-laying track type, a main frame, a truck mechanism at each side thereof pivotally connected at one end to the main frame for rocking movement in a vertical plane and equalizing means be-

tween the opposite ends of the truck mechanisms and the main frame comprising parallel equalising bars centrally pivoted to the main frame and vertically disposed cross heads connecting the ends of said equalising bars together and a pivotal connection formed between each cross head and the adjacent truck mechanism.

1,479,349. TRACTOR DRIVING SPROCKET. ELMER E. WICKERSHAM, Stockton, Calif., assignor to The Holt Manufacturing Company, Stockton, Calif., a Corporation of California. Filed Feb. 12, 1919. Serial No. 276,524. 3 Claims. (Cl. 74—31.)



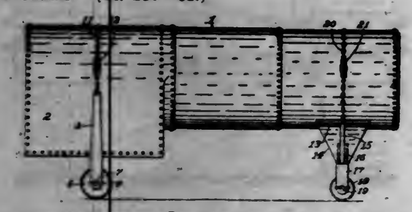
1. The combination with a chain track having cylindrical teeth of a driving sprocket therefor, said sprocket being formed with teeth having driving faces disposed at an angle of approximately 45° to each other and acting to wedge the pin teeth of the chain outwardly whereby to permit the chain to assume various pitch diameters on the sprocket, such diameters increasing in proportion with the elongation of the chain due to pitch or wear.

1,479,350. GAME ACCESSORY. ELI H. WIEL, San Francisco, Calif. Filed Jan. 3, 1923. Serial No. 610,426. 1 Claim. (Cl. 46—55.)



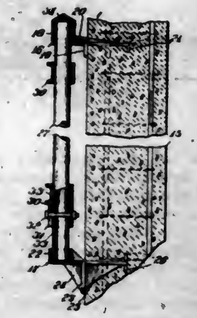
A device for use in playing a game employing tiles and counters comprising a counter tray, a movable cover on said tray and a tile rack consisting of an inclined shelf and an inclined back wall substantially perpendicular to the shelf, on said cover.

1,479,351. COMBINATION TRANSPORTING MEANS FOR BOILERS. RALPH F. WINTERBOTTOM, Waterloo, Iowa. Filed Mar. 13, 1922. Serial No. 543,271. 2 Claims. (Cl. 280—61.)



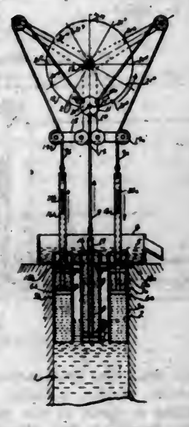
1. Combination transporting means for boilers, comprising a caster-wheel, a frame in which said caster-wheel is rotatably mounted, a saddle on which said frame is pivotally mounted and removably supporting one end of a horizontal boiler which has a fire-box at its opposite end, chain sections passed around the boiler and end-connected to opposite ends of said saddle, an adjustable separable linking-connection between the chain sections, screws mounted on opposite ends of said saddle to engage the boiler adjustingly, independent clips mounted under and fitting depending opposite sides of the fire-box, carrying wheels mounted on the clips and means for securing said clips in place releasably.

1,479,352. HINGE. WILLIAM S. WITTEN, Chicago, Ill. Filed Dec. 26, 1919. Serial No. 347,861. 3 Claims. (Cl. 16—128.)



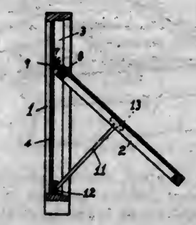
1. A hinge bracket comprising an arm adapted to be embedded in a gate post, a vertical face plate at the outer end portion of said arm and adapted to bear against the gate post, a vertical web extending along said arm from said face plate in position to be embedded in the gate post, and means extending outward beyond said face plate for engaging a cooperating hinge member.

1,479,353. PUMP. GEORGE M. ASK, San Jose, Calif. Filed Mar. 20, 1923. Serial No. 626,347. 1 Claim. (Cl. 103—206.)



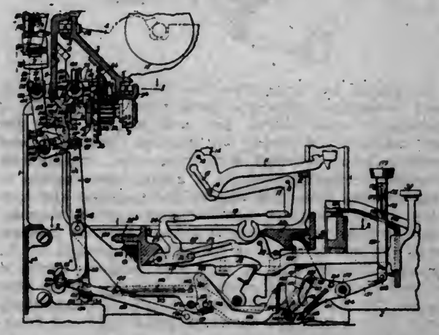
In a pump, a revoluble driving element, an element pivotally mounted thereon in eccentric relation thereto, a cable attached to said last mentioned element a distance from the center thereof, a support for said cable arranged a distance from said driving element, a lift pump operatively connected to said cable, and counterbalancing means connected to said second mentioned element and arranged at the apices of an equilateral triangle.

1,479,354. SWINGING WINDOW. HENRY T. ATKINSON, Oakland, Calif., assignor to John J. Donovan, Oakland, Calif. Filed Nov. 11, 1919, Serial No. 337,193. Renewed June 11, 1923. 5 Claims. (Cl. 20—42.)



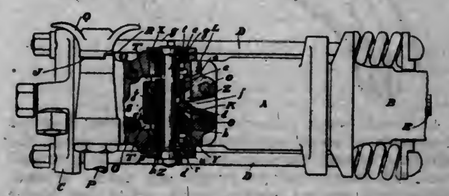
1. In a swinging window, a frame, tracks in said frame, including side flanges, U-shaped slides in said tracks, a sash, and hinges connected to said sash and to said slides, the flanges of said slides being sprung outwardly into frictional engagement with the side flanges of said tracks.

1,479,355. TYPEWRITING MACHINE. JOHN H. BARR, New York, and EDWIN E. BARNEY, New Rochelle, N. Y., assignors to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 10, 1921. Serial No. 499,682. 78 Claims. (Cl. 197—177.)



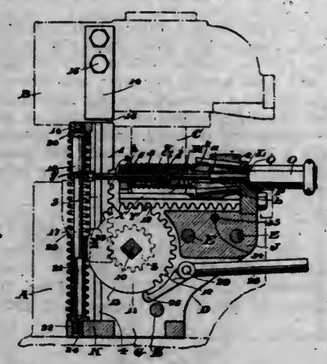
1. In column selecting mechanism for typewriting machines, the combination of a plurality of column stops, a co-operative stop, and key actuated means for moving certain of said stops first differentially in one direction to select the column and thereafter by the same key in another direction to arresting position.

1,479,356. SPOOL VALVE FOR ROCK DRILLS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 29, 1922. Serial No. 547,872. 4 Claims. (Cl. 121—29.)



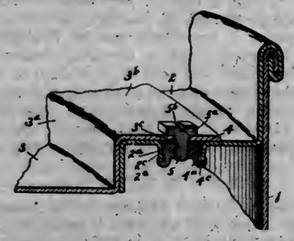
1. In a fluid actuated rock drill of the hammer type, the combination of a cylinder and a reciprocating piston, a valve chest connected to said cylinder, inlet ports and a central exhaust port between said inlet ports at one side of the chest, admission ports in the cylinder corresponding to and supplied from the said valve chest inlet ports, exhaust ports in the cylinder between the said admission ports and leading to the central portion of the chest, valve bushings in the chest spaced apart at their inner opposed faces to form an exhaust passage through the chest, supply passages in the bushings connecting the valve chest inlet ports and the corresponding cylinder admission ports, a cylindrical valve movable in said bushings and having an enlarged central flange controlling the exhaust passage between the bushings and also having reduced and hollowed or recessed end faces controlling the said supply passages through the bushings, stops within the bushings projecting into the valve against which the bottom portions of the recessed end faces of the valve are adapted to abut for limiting the movement of the valve, and a bolt passing through the bushings, the stops and the valve for holding the parts together, whereby the valve is also guided on the bolt and actuated in one direction or the other by pressure built up through the admission ports of the cylinder and the supply passages of the bushings behind the end faces of the valve, due to compression in the cylinder.

1,479,357. PIN PULLER. LEWIS C. BAYLES, Easton, Pa., and HOWARD W. MORROW, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 3, 1923. Serial No. 616,730. 20 Claims. (Cl. 29—86.1.)



1. A pin puller for a drill sharpener having a stationary base and a movable cross-head, said pin puller comprising means for holding the drill steel, clamping means adapted to securely grasp the pin, and rack and pinion mechanism actuated by the cross-head for effecting movement of said clamping means relative to the steel to withdraw the pin from the steel.

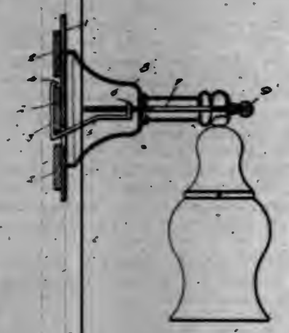
1,479,358. METALLIC RECEPTACLE. GROVER F. BEHRINGER, Defiance, Ohio. assignor to The American Steel Package Company, Defiance, Ohio, a Corporation of Ohio. Filed Mar. 18, 1922. Serial No. 544,731. 2 Claims. (Cl. 220—55.)



1. In combination with the wall of a receptacle provided with an opening surrounded by an inwardly extending flange, a fastening element having an irregular

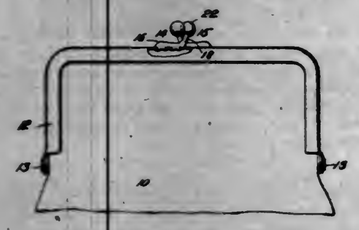
shaped head embedded in and interlocking with said flange, said fastening element including a tubular portion extending from said head within said flange and beaded over the end of the latter.

1,479,359. HANGER. FRANK REDMOND BLAKE, Bangor, Me. Filed Dec. 6, 1921. Serial No. 520,332. 1 Claim. (Cl. 240—73.)



A means for supporting a fixture from a lathed and plastered wall, comprising a hook adapted to be inserted through the wall to engage with a lath of the wall structure, said hook having its outer end formed with an angle ear having a threaded opening therethrough, a headless bolt threaded through said opening, an element thereon for contacting the wall, said bolt designed to pass through a fixture which surrounds the hook, and a nut screwed on the bolt for contacting the fixture to force the same against the wall.

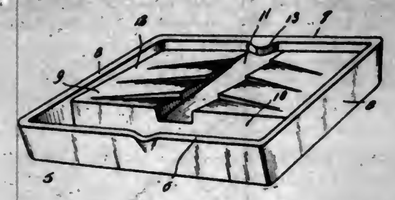
1,479,360. KNOB LOCK FOR POCKETBOOKS AND THE LIKE. MAX BLANSHAFT, ROBERT TOW, and HENRY WETSTEIN, New York, N. Y. Filed July 9, 1920. Serial No. 394,878. 3 Claims. (Cl. 292—70.)



1. A knob locking device for attachment to the frames of handbags and the like in one integral piece of sheet metal comprising a lower body portion having securing lugs on its lower edge and an upwardly projecting stem formed on its upper end with a knob having an upper body portion and leaf sections at the edges thereof folded together in edge to edge relation and completing and closing the surfaces of said knob, one of said leaf sections being integral with the upper end of said stem.

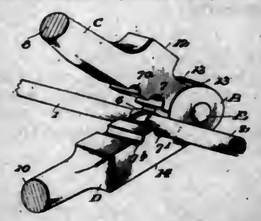
1,479,361. SOAP DISH. CHARLES P. BLEVENS, Evansville, Ind. Filed Feb. 16, 1923. Serial No. 619,341. 1 Claim. (Cl. 25—28.)

In a soap dish wherein the bottom wall is raised for the major portion of its area for providing a water receptacle at the front end of the dish, said raised portion of the bottom wall sloping away from said reservoir and



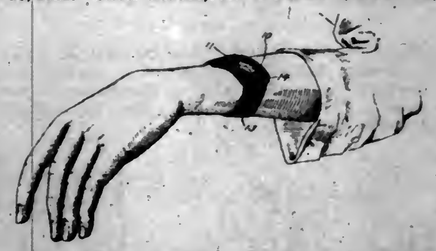
provided with a central channel sloping towards said reservoir and being further provided with transversely extending rearwardly and inwardly sloping channels.

1,479,362. TOOL FOR SPLICING CABLES. NEWTON K. BOWMAN, Canton, Ohio. Filed Feb. 3, 1920. Serial No. 356,072. 1 Claim. (Cl. 81—15.)



A splicing tool comprising two lever handle members, each including a cylindrical shank and a head portion of rectangular cross section, said head portions being pivoted together and having flat opposing faces, said head portions being provided with transverse, substantially semicircular mating passages of graded sizes opening in said opposing faces and adapted to fit around and compress splicing elements, said flat faces abutting throughout their area on both sides of and between said passages when the tool is closed to limit the compression of the splicing elements, one of said head portions having a projection forming an anvil head and the other head portion having an anvil base; whereby a substantially solid anvil is produced on which preliminary and finishing work of splicing may be performed.

1,479,363. SAFETY-POCKET WRIST-WATCH GUARD. MARGARET ALLBEE BROWN, Muscatine, Iowa. Filed May 15, 1922. Serial No. 560,972. 5 Claims. (Cl. 224—4.)



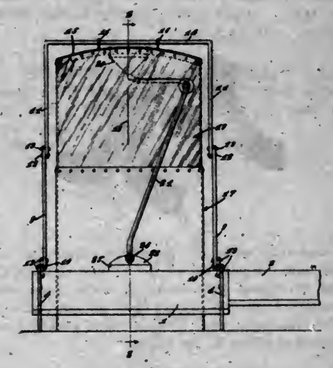
1. A wrist-watch protector of the character described comprising a pocket adapted to receive the watch and having a central opening upon its outer face smaller than the diameter of the watch and having a longitudinal slit on its back through which the watch may be inserted into the pocket, the margin of the observation opening having a rigid ring disposed therein to which the material of the pocket is attached, and a wrist band attached to the pocket.

1,479,364. DENTAL FLOSS HOLDER. WALDO RALPH BROWNE, Wyoming, N. Y. Filed Oct. 10, 1921. Serial No. 506,822. 4 Claims. (Cl. 132—92.)



2. A device of the character described, comprising a tubular member terminating at its one end in a curved hollow extension finger, a semi-circular member terminating at its one end in a curved extension finger and of substantially the same length as the first named member, means for fulcruming the second member upon the first named member, said second member being adapted to fit upon the first named member, the fingers of said members extending in diverging relation, and the first named member having an opening in the free end of its finger adapted to permit the passage of thread or the like and the finger of the other member being bifurcated to receive a thread.

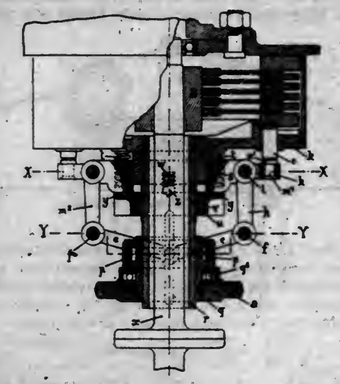
1,479,365. VAPOR-TREATMENT APPARATUS. THOMAS BUCK, Casper, Wyo. Filed Sept. 4, 1923. Serial No. 660,827. 3 Claims. (Cl. 4—164.)



1. A vapor treatment apparatus including a portable casing, a foldable frame adapted to be carried within the casing, means for holding the frame in set up position outside the casing to support said casing at one side, legs movably connected to the casing for supporting the opposite side thereof, a vapor generator within the casing, a flexible enclosure detachably supported by the frame and foldable into the casing, and means for conveying vapor from the generator into the enclosure.

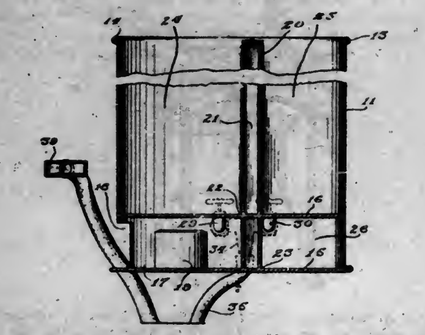
1,479,366. ADJUSTABLE ARTICULATED OPERATING MECHANISM FOR CLUTCHES, BRAKES, AND OTHER DEVICES. ETTORE BUGATTI, Molsheim, Alsace, France. Filed Oct. 27, 1920. Serial No. 419,948. 1 Claim. (Cl. 192—111.)

An adjustable articulated operating mechanism for clutches comprising a casing, a disk elements contained in the casing, push pieces adapted to act through the wall of the casing, two pivoted symmetrically disposed bell-crank levers adapted to press upon the push pieces, a hollow shaft, an adjustment ring screwing upon the hollow shaft, articulation shafts for the bell-crank levers, a sleeve carrying the articulation shafts carried with the ring during the movement of the latter, elastic means provided between the casing and the sleeve, links adapted



to act upon the other ends of the bell crank levers, a ring serving as an attaching point for the links, and a sleeve supporting the ring for the operation of the clutch.

1,479,367. PORTABLE SHOWER BATH. SAMUEL S. CAMPBELL, Maryville, Tenn. Filed Aug. 4, 1922. Serial No. 579,693. 1 Claim. (Cl. 4—26.)

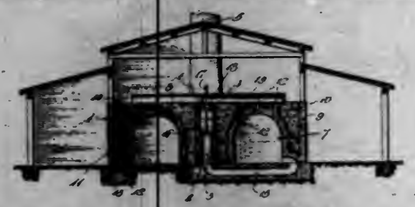


A cistern of substantially semicylindrical contour and a flat back wall, a flat bottom, a double partition extending from said flat bottom to the upper open end of the cistern dividing the cistern into compartments, a second flat bottom spaced above said first bottom and sealing from each other the chambers formed above and below said second bottom, one of the lower chambers having an opening in the semicylindrical wall for the insertion of a heating element for heating the chamber directly above the same, a faucet for each of said chambers above said second bottom and a common spout connecting said faucets, whereby said upper chambers may be emptied simultaneously or separately.

1,479,368. BRICKKILN. BAPTISTE F. CANAVERA, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 610,283. 2 Claims. (Cl. 25—134.)

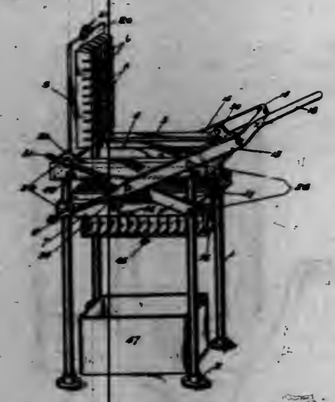
1. A kiln comprising a central wall whose upper portion is hollow and forms a horizontal flue leading to a stack, the lower portion of said wall having vertical passages in valved communication with the flue and the upper portion of the wall having inlet passages; a continuous tunnel surrounding said central wall and having down-draft flues in its bottom discharging into said vertical passages, the outer wall of said tunnel having

temporary fire openings while the crown of said tunnel is formed with fuel feeding openings; and arched transversely disposed conduits resting removably on and extending between the crowns of said tunnel and said hori-



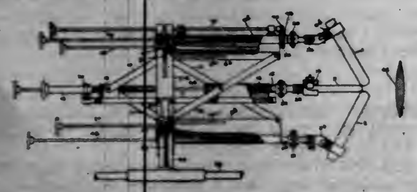
zontal flue, said conduits being in communication with said fuel feeding openings and the upper inlet passages of said horizontal flue whereby to establish communication between the upper portion of the tunnel and the horizontal flue when said conduits are in place.

1,479,369. VEGETABLE CUTTER AND SLICER. JAMES S. CHOUNIS, Charleston, W. Va. Filed Sept. 17, 1923. Serial No. 663,139. 10 Claims. (Cl. 146—160.)



1. A vegetable cutter comprising a plurality of vertical standards, an open top frame fixed upon the top of said standards, a cross-slotted block hinged to the open frame, and a knife-carrying frame adapted to reciprocate upon the standards.

1,479,370. ELECTRIC ARC LAMP. LESLIE R. COFFIN, Bellingham, Wash., and REUBEN W. MASTICK, Jr., San Francisco, Calif. Filed June 8, 1917. Serial No. 173,583. 3 Claims. (Cl. 176—51.)



1. In a projector type of arc-lamp, the combination of a lens, three movable electrodes, a means for holding said three electrodes in substantially the same plane, the central one of the electrodes being in substantial alignment with the axis of the lens, the outer two inclined with respect to the central electrode, so as to cause the three electrodes to converge toward a common point substantially coincident with the axis of the lens, and a manually operable means for moving individually each of the three electrodes axially toward and away from the lens.

1,479,371. STRIKER PLATE FOR LOCKS. LOUIS MOSKOWITZ, Brooklyn, N. Y., and BENJAMIN J. COHON, Westwood, N. J. Filed Aug. 6, 1920. Serial No. 401,571. 1 Claim. (Cl. 292—340.)



A striker plate comprising a body having a projection extending substantially at right angles thereto from one face thereof adjacent one end of same to engage the face of a supporting frame, said body having an opening therethrough between said end and said projection, and webs uniting both ends of the projection to the body above and below said opening, said projection and the portion of the body on the side of the web opposite the opening having holes to give passage to fastening members.

1,479,372. NONSKID DEVICE. LEROY C. COOK, Deer River, Minn. Filed Oct. 11, 1922. Serial No. 593,789. 2 Claims. (Cl. 152—14.)



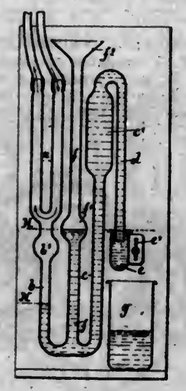
1. A non-skid shoe of the class described including a curved body, a pair of plates at the ends of the body including diverging extensions at their inner ends, and a rib mounted on the outer face of the body between the plates, the outer edge thereof being straight and flush with the outer edges of the plates.

1,479,373. CAR WHEEL. THOMAS M. COOK, Philadelphia, Miss. Filed May 2, 1923. Serial No. 636,224. 1 Claim. (Cl. 295—20.)



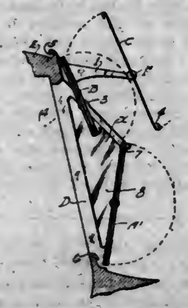
A car wheel of the class described including a body having a periphery beveled and provided with an annular recess, a rim having its outer periphery provided with a flange and its inner periphery provided with another flange and a tapered or beveled surface corresponding with the periphery of the body, said inner flange adapted to be seated in the recess of the body, and a plurality of bolts passing transversely through the body and the rim so as to cross the beveled periphery of the body and the tapered surface of the rim within their marginal edges and to be spaced therefrom for holding the body and rim together in the manner and for the purpose specified.

1,479,374. LOW-PRESSURE AUTOMATIC GAS CUT-OFF. JAMES TIBURCE FELIX CONTI, Paris, France. Filed Jan. 25, 1922. Serial No. 531,724. 5 Claims. (Cl. 67—115.)



1. A safety apparatus for piping used for gaseous fluids, comprising a U-tube interposed in the piping of the gas to be controlled, a siphon leading from the bottom of the said U-tube, liquid contained in the said siphon, a vessel communicating with the downwardly extending discharge branch of the said siphon, and means for effecting the automatic unpriming of the siphon when the gas pressure falls below a stated value.

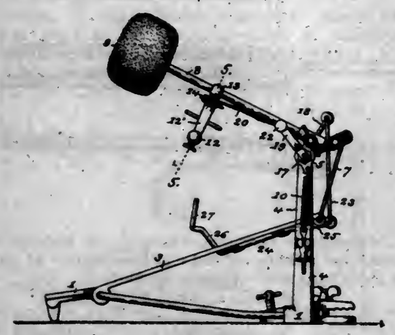
1,479,375. CLEAR-VISION WINDSHIELD. WILLIAM DE FORREST CROWELL, St. Louis, Mo. Filed Mar. 16, 1920. Serial No. 366,248. 5 Claims. (Cl. 296—91.)



1. A clear vision slot wind shield composed of two upper parts mounted so that they can be arranged in an upright position wherein they form the front and rear walls of an updraft flue open at its sides and upper end, or in a position wherein the front part constitutes a forwardly-inclined sun-shade or rain visor that is disposed at an angle to said rear part, and a baffle constituting the lower part of the shield and adapted to be arranged in a forwardly-inclined position with its top edge positioned intermediate the bottom edges of said upper parts but below the same when said upper parts are being used to form an updraft flue.

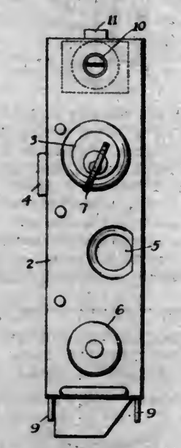
1,479,376. DRUM AND CYMBAL BEATER. ROBERT C. DANLY, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 1, 1922. Serial No. 548,750. 10 Claims. (Cl. 84—422.)

3. In a drum and cymbal beater mechanism, the combination of a floor base having an upstanding post, a main pedal pivoted on said base, a main rock shaft journalled at the upper end of said post and operatively connected to said pedal, a carrying stem for a drum beater head fixedly connected to said shaft, an auxiliary rock shaft mounted in close relation to said main shaft,



an auxiliary pedal mounted on the main pedal and operatively connected to the auxiliary rock shaft and a carrying arm for a cymbal beater head movably mounted on said carrying stem of the drum beater head and having operative connection with said auxiliary rock shaft.

1,479,377. LOCK. AUGUSTINE DAVIS, Jamaica, N. Y., assignor to American Locker Company, Boston, Mass., a Corporation of Delaware. Filed May 12, 1922. Serial No. 560,287. 1 Claim. (Cl. 70—14.)

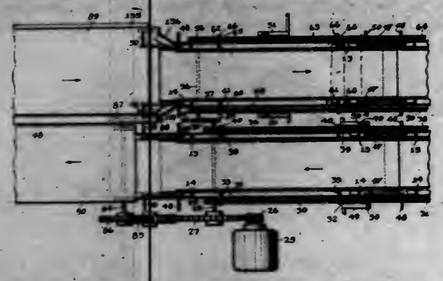


A lock comprising a plate adapted to be placed in an opening and carrying a lock mechanism having a bolt for locking a closure, in combination with a second key lock carried by the plate and having a bolt for locking the plate in its opening.

1,479,378. MEANS AND METHOD FOR TRANSPORTING LOOSE MATERIAL. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed June 23, 1919. Serial No. 306,154. 58 Claims. (Cl. 198—181.)

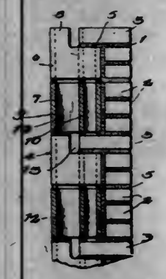
1. A transporting mechanism for loose material in bulk including in combination a plurality of concatenated transporting units, a trackway along which they travel,

another plurality of concatenated transporting units, a trackway along which they travel in the opposite direction,



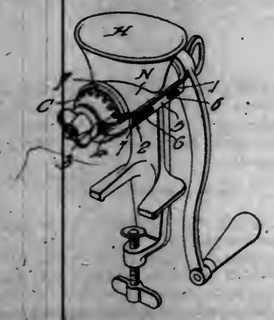
and automatically operating means at the ends of the trackway for shifting the end unit transversely of itself from the coming units to the going units.

1,479,379. COMPOSITE BRICK AND TILE WALL CONSTRUCTION. WILLIAM GUSTAVUS DEMAREST, Metuchen, N. J. Original application filed Sept. 2, 1920, Serial No. 407,642. Divided and this application filed Aug. 2, 1922. Serial No. 579,310. 1 Claim. (Cl. 72—41.)



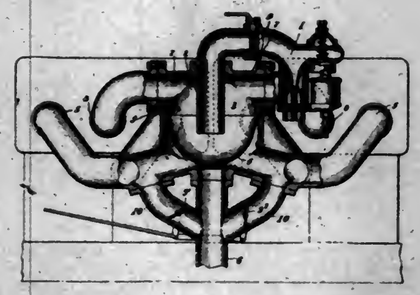
A composite brick and tile wall construction comprising, in combination with a brick facing having ordinary courses and header courses, a plurality of complementary courses of tile arranged behind each group of ordinary courses comprehended between adjacent header courses, certain of the tile having reduced extensions disposed behind said header courses, the tile and the reduced extensions having continuous vertical openings therein constituting suitable vertical air passages through the wall and serving to dissipate the moisture finding its way in through the wall.

1,479,380. CUTTER CLEANER FOR FOOD CHOPPERS. LOUIS C. EDWARDS, Ellington, Conn. Filed Apr. 12, 1923. Serial No. 631,639. 4 Claims. (Cl. 146—188).



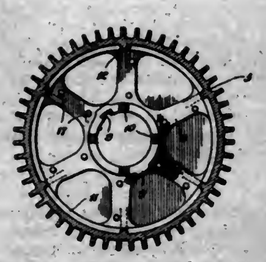
3. A cutter cleaner comprising a block-like portion, and cleaner including a curved finger and a shank, the latter engaging said portion and being provided with elongated slots, and binding screws carried by said block-portion and extending through said slots.

1,479,381. LIQUID-FUEL VAPORIZER. JOHN GOOD, Garden City, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed May 1, 1918, Serial No. 231,808. Renewed June 8, 1923. 7 Claims. (Cl. 123—122.)



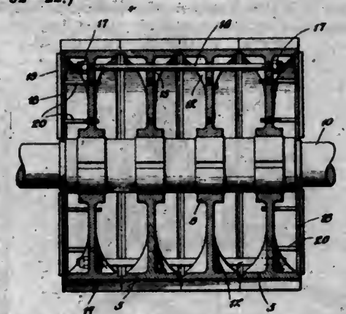
1. A method of operating engines on low grade liquid fuels which consists in producing, in a carburetor connected to the engine intake ports, a mixture of air and liquid fuel in engine-operating proportions, the liquid fuel being suspended in or carried along by the air, delivering said mixture through a spout against an exhaust-heated wall of a vaporizing chamber which forms part of the suction intake, with an entering velocity adapted to cause the suspended liquid therein to separate from the gaseous flow and adhere to said heated wall, simultaneously causing the gaseous part of said mixture to flow reversely around the exterior of the spout and along and over said heated wall with a reduced velocity adapted to spread and maintain the so-deposited liquid in the form of a film thereon without permitting said liquid to become resuspended in said gaseous part whereby the heat is directly applied to the liquid part and only indirectly and slightly transmitted to said gaseous part, and conducting the resulting gaseous mixture from the chamber and delivering it in a relatively cool and dry state to the engine.

1,479,382. INTEGRAL BEATER ROLL. GEORGE R. HANKS and STANLEY APGAR, High Bridge, N. J., ALFRED R. BENCH, Easton, and GEORGE L. BIDWELL, Riegelsville, Pa., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Mar. 2, 1923. Serial No. 622,384. 13 Claims. (Cl. 92—22.)



1. A beater roll embodying a hollow cylinder with integral knives and with integral radial supports formed, with shaft openings.

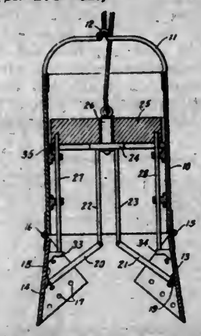
1,479,383. SECTIONAL BEATER ROLL. GEORGE R. HANKS and STANLEY APGAR, High Bridge, N. J., ALFRED R. BENCH, Easton, and GEORGE L. BIDWELL, Riegelsville, Pa., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Mar. 2, 1923. Serial No. 622,385. 12 Claims. (Cl. 92—22.)



1. A beater roll embodying ground seated roll sections with integral knives and spokes with shaft receiving elements and means for justifying and maintaining the alinement of the knives.

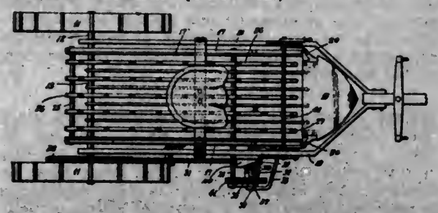
7. A beater roll embodying a shaft, and a series of roll sections each of which is independently locked to the shaft.

1,479,384. GRAB BUCKET. PATRICK J. HEALEY, Jersey City, N. J. Filed Mar. 4, 1922. Serial No. 540,949. 3 Claims. (Cl. 294—71.)



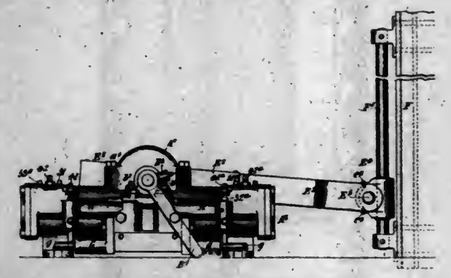
1. A grab bucket having jaws, a weight within said bucket for urging said bucket downward guides for said weight and brackets upon said jaws, upon which said rods rest to prevent the closing of the jaws during the downward movement.

1,479,385. PEANUT HARVESTER. CHARLES M. HURST, Robersonville, N. C. Filed Nov. 3, 1921. Serial No. 512,494. 2 Claims. (Cl. 55—51.)



1. In a machine of the character described, a wheeled support, an inclined frame pivoted to said support a scraper fixed to the lower extremity of said frame, a plurality of stationary bars provided with upwardly extending teeth secured to said frame, a plurality of toothed reciprocating bars and means to reciprocate said last named bars.

1,479,386. FLUID-PRESSURE ENGINE. LEE P. HYNES and JOHN W. CONWAY, Albany, N. Y., assignors to Consolidated Car Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Oct. 18, 1918. Serial No. 258,704. 13 Claims. (Cl. 121—44.)

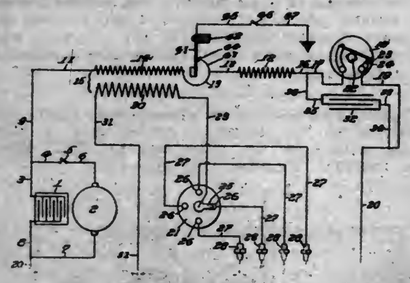


1. A stroke-work engine comprising a double-acting cylinder, independent adjusters for the pressure-flow and the checking flow at each end of the cylinder, two sets of spring-actuated valves one set for each end of the cylinder, a manually controlled valve-operator acting to lift each set of valves against the force of its springs, and means to automatically release a lifted valve-set at the end of the stroke.

1,479,387. METHOD FOR THE PRODUCTION OF MANGANESE STEEL. RICHARD D. JORDAN and JOHN H. HALL, High Bridge, N. J., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,142. 27 Claims. (Cl. 204—64.)

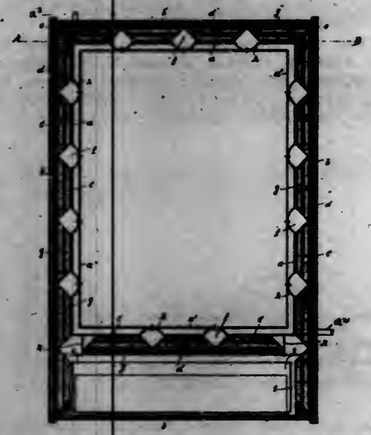
1. The herein described method for the rapid production of maganese steel in the electric furnace, which consists in introducing the necessary charge and priming it at or in the vicinity of the electrodes to insure quick contact and, having guarded against oxidizing conditions, applying full current density and maintaining it for the duration of the heat.

1,479,388. IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES. ARTHUR ATWATER KENT, Rosemont, and WILLIAM A. EVANS, Fort Washington, Pa.; said Evans assignor to said Kent. Filed July 27, 1917. Serial No. 183,025. 7 Claims. (Cl. 123—148.)



1. In an ignition system, the combination of a primary circuit including a timer, a secondary circuit including a distributor, a normally open shunt circuit around said timer having a less resistance than the resistance of the shunted portion of said primary circuit, a current interrupter in said shunt circuit, and means for closing said shunt circuit.

1,479,389. REFRIGERATING CHAMBER. FRIEDRICH KÖNIG, Munich, Germany. Filed Aug. 27, 1921. Serial No. 496,574. 4 Claims. (Cl. 62—89.)



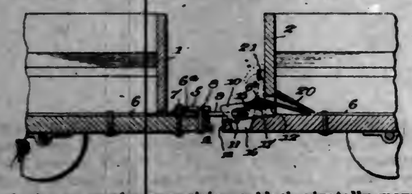
2. In a refrigerator, the combination of a provision chamber with hollow walls through which water is circulated, of flexibly mounted stoneware slabs disposed about said walls, an air circulating space being provided between the adjacent edges of the slabs and the walls, said air spaces being arranged by the edges of the slabs which are bevelled at an angle to the faces thereof attached to the flexible material, an inlet pipe and outlet pipe for the hollow walls, and a cooling chamber at one end of said refrigerator and in communication with said air spaces, substantially as described.

1,479,390. TYPEWRITING MACHINE. RICHARD J. LEWIS, Mohawk, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 3, 1922. Serial No. 572,453. 22 Claims. (Cl. 197—88.)



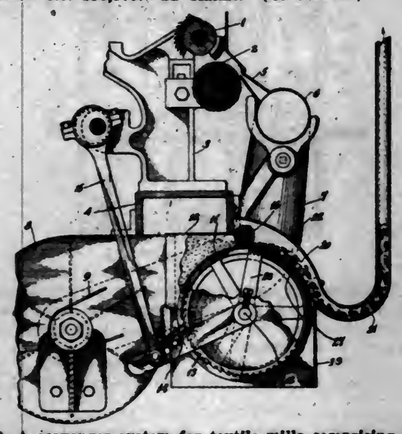
1. In escapement mechanism for typewriting machines, the combination of a dog carrier, a dog mounted thereon and movable independently thereof, a stop for said dog composed of spring wire normally out of contact with said dog, and adjusting means for affording compression and expansion of said stop.

1,479,391. CAR COUPLING. GRANVILL E. LILLY, Glen Morgan, W. Va., assignor of one-half to J. A. Lilly, Glen Morgan, W. Va. Filed May 14, 1923. Serial No. 638,791. 2 Claims. (Cl. 213—179.)



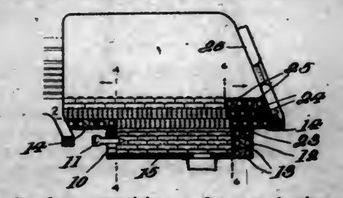
1. A car coupler comprising a block pivotally mounted on the car, to swing laterally, a link pivotally mounted in said block to swing freely vertically upward, a stop for preventing said link from swinging downward below a horizontal position, and a hook adapted to cooperate with said link.

1,479,392. SCAVENGING SYSTEM FOR TEXTILE MACHINERY. JAMES J. MCGOWAN, Pawtucket, R. I., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed July 22, 1921. Serial No. 486,879. 11 Claims. (Cl. 19—65.)



3. A scavenger system for textile mills comprising the combination with a plurality of textile machines, of suction scavenger apparatus including suction fans having large volume air flow with reference to the fibre removed and fibre-screening means, such scavenger apparatus being incorporated in said machines and pneumatic conveyor apparatus comprising collector piping associated with said local screening means and having relatively small volume of air flow with reference to the fibre moved therein and adapted to conduct such fibre to a remote place of deposit.

1,479,393. FIRE-BOX LINING. JESSE C. MARTIN, Jr., San Francisco, Calif. Filed June 20, 1922. Serial No. 569,579. 8 Claims. (Cl. 110—86.)

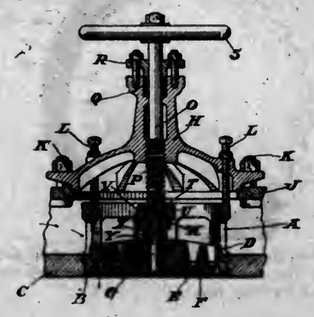


1. A fire box comprising a fire pan having a shelf and a depressed portion, a fluid fuel burner projecting through an end wall of said depression, a lining for said depression including bricks on edge in the wall opposite said burner exposing end edges to flame from said burner, a layer of bricks on edge upon said shelf terminating adjacent the inner surface of said depression and presenting end edges only of bricks about the opening into said depression.

1,479,394. MANUFACTURE OF RUBBERIZED FABRIC. JAMES MEADE, Stoughton, Mass. Filed Jan. 30, 1923. Serial No. 615,968. 5 Claims. (Cl. 18—63.)

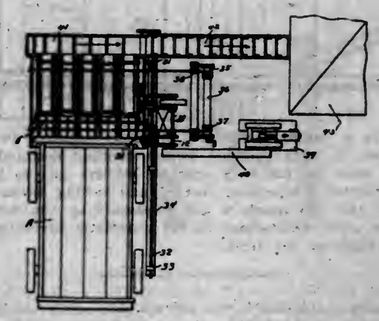
1. The method of producing a fixed glossy finish on rubberized fabric which comprises the steps of preparing the rubberized fabric with a dusting of starch, partially curing the fabric in a sulphur chloride vapor, and completing the cure with a solution of sulphur chloride in the liquid phase.

1,479,395. PLATE-VALVE LIFTER. CHESTER W. METZGAR, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 20, 1922. Serial No. 562,372. 3 Claims. (Cl. 251—119.)



1. A plate valve lifter, comprising a valve cage adapted to lie in a valve opening in the cylinder wall of a compressor, a plate valve including its seat, stop plate and stud seated in said cage, a bonnet adapted to be secured to the compressor outer casing over the said cage, means on the bonnet bearing upon the cage for holding the cage in position, and manual means carried by the bonnet and connected to the plate valve structure, for lifting said plate valve and its associated parts relatively to the said cage.

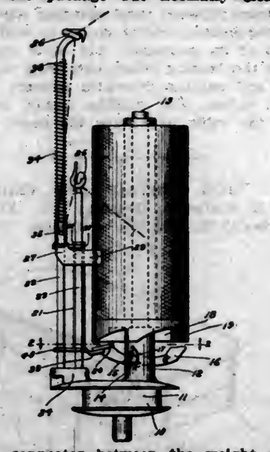
1,479,396. CORN HUSKER. JOHN A. MEYER, Malcom, Iowa. Filed Apr. 10, 1923. Serial No. 631,131. 1 Claim. (Cl. 130—5.)



In a corn husker of the class described, a frame, pairs of husking rolls journaled within the frame, the rolls of each pair rotating in reverse directions, driving connections between certain of the rolls of each of the pairs, means for driving said certain rolls, longitudinal rods supported in an elevated position between adjacent pairs of rolls, presser boards in position above said pairs of rolls and spring arms carried by the presser boards the ends of which are eyed for receiving the longitudinal rods.

1,479,397. CARRIER FOR BRAIDING MACHINES. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Aug. 24, 1923. Serial No. 659,105. 6 Claims. (Cl. 96—15.)

6. A carrier for braiding machines having a package spindle, a weight guiding standard, a compression spring on said standard acting upon said weight, a pivoted package feed controlling latch having a portion extending beneath the package but normally clear of the same, and a connector between the weight and latch whereby an excessive upward movement of the weight moves the latch to raise the package from its seat.

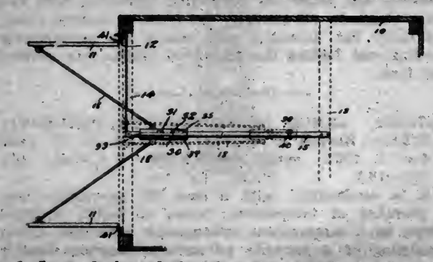


1,479,398. COMBINED DOOR CATCH AND BUFFER. JAMES C. OLLARD, Chester, Pa. Filed Oct. 28, 1920, Serial No. 420,228. Renewed May 1, 1923. Serial No. 513,552. 8 Claims. (Cl. 292—340.)



1. A combined door catch and buffer comprising a casing composed of inner and outer walls and a connecting wall or portion, said casing being provided at the inner wall with an opening and having an attaching member arranged at an angle to the inner wall; a catch or keeper located at the said attaching member and adapted to be engaged by the catch of a door, and an anchored door engaging member extending through the opening of the front wall and arranged to be placed under tension by the door for holding the latch of the latter in engagement with the catch or keeper.

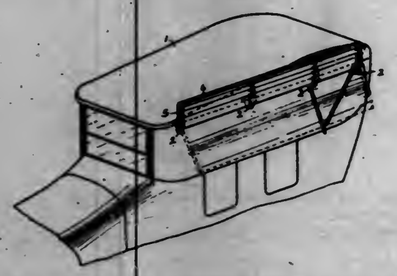
1,479,399. OPERATING AND LATCH DEVICE FOR DOORS. RICHARD OLSON, Superior, Wis. Filed June 3, 1921. Serial No. 474,620. 2 Claims. (Cl. 268—9.)



1. In a device of the character described, the combination of hinged door elements, means acting to close the doors yieldingly, a rectilinear guide adjacent the

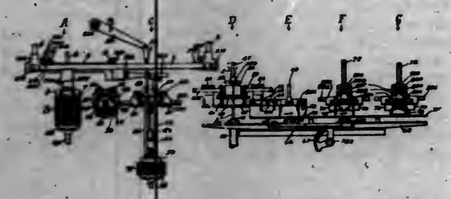
swinging edges of and vertical to the plane of the closed doors, a slide thereon, link elements connected to respective doors adjacent their swinging edges and to the slide, spring-pressed holding means to hold the slide at the limits of its movement, and cable operated means to release the holding means extending forwardly from the slide and engaged therewith whereby draft on the cable will release said holding means, and continued draft on the cable will move the doors toward open position.

1,479,400. SIDE CURTAIN FOR VEHICLE TOPS. LONNY H. SAMMONS, Houston, Tex. Filed Sept. 15, 1921. Serial No. 500,924. 4 Claims. (Cl. 296—99.)



3. The combination with a vehicle top, of arms pivoted to the side of said top to swing in vertical planes, spring joints at the pivots of said arms to retain said arms automatically at any adjusted angle relative to said top, each arm being separately adjustable, and a curtain supported on said arms.

1,479,401. MACHINE FOR MAKING COVERED PAPER BOXES. HARRY BRIDGEMAN SMITH, Brooklyn, N. Y., assignor to Bridgeman Smith Patents Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 16, 1921. Serial No. 501,088. 237 Claims. (Cl. 93—36.)



1. A box making machine comprising means for associating and adhesively connecting individual body and cover blanks in substantially flat form to produce a substantially flat assembly, and means for subsequently bending and folding the associated blanks into covered box form.

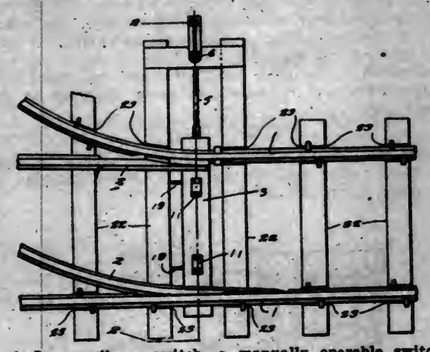
1,479,402. ARMOR PROTECTOR FOR PNEUMATIC TIRES. SANDOR J. SOLTESZ, New York, N. Y. Filed Jan. 2, 1923. Serial No. 610,178. 7 Claims. (Cl. 152—18.)

6. In combination with a shoe for pneumatic tires, a plurality of independent layers of textile material joined by a cementitious substance, a protecting armor consisting of a plurality of metallic members flexibly connected together and embedded in a thick layer of rubber, the said armor and its rubber layer being incorporated between layers of the textile material and extended from bead-to-bead of said shoe, and the said armor having along its marginal edges anchoring de-



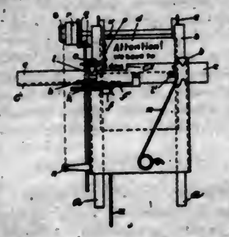
vices connecting it to the beads of the shoe and incorporated in the material of the shoe between the beads thereof and its body layers.

1,479,403. RAILWAY SWITCH. JOHN A. VEASEY, Youngstown, Ohio. Filed Mar. 31, 1923. Serial No. 629,029. 4 Claims. (Cl. 246—448.)



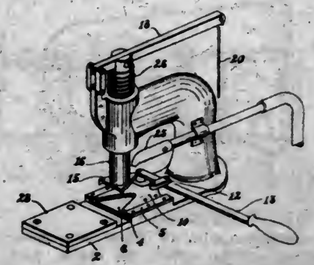
1. In a railway switch, a manually operable switch member, a train operable switch member mounted to move with the manually operable member and to have a movement independent thereof, and locking means between the two members and releasable by the weight of the train preliminary to the automatic throwing of the switch by the train.

1,479,404. PROJECTING APPARATUS FOR ADVERTISING PURPOSES. HERMANN BENDMANN, Frankfort-on-the-Main, Germany. Filed June 6, 1921. Serial No. 475,487. 9 Claims. (Cl. 88—28.)



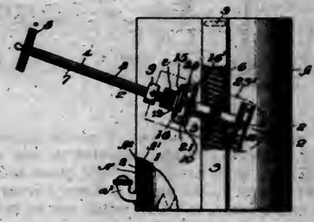
1. In a projecting apparatus for advertising purposes, the combination with a sign having superposed lines of letters of a slide normally covering said lines, and means for moving said slide in two directions at right angles to each other.

1,479,405. METHOD OF MAKING INSOLES. GEORGE H. BLACK, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Dec. 28, 1918, Serial No. 268,639. Divided and this application filed Mar. 5, 1921. Serial No. 449,669. 9 Claims. (Cl. 12—146.)



9. That improvement in the art of making insoles having a channel formed by turning a lip outwardly and upwardly to form a sewing rib which comprises positioning an insole with the bottom face of its toe portion against a work support, applying concentrated pressure to the insole thus supported throughout the length of a line extending around the toe at the inner base of the sewing rib sufficient to depress the surface of said base relative to the surface at the outer base of the rib, and thereafter molding the rib by transverse pressure.

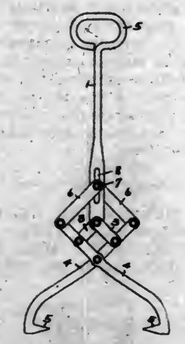
1,479,406. OIL BURNER. HENRY W. BRENT, Baltimore, Md. Filed Aug. 10, 1920. Serial No. 402,607. 5 Claims. (Cl. 67—65.)



1. In an oil burner, the combination of a burner tube, a wick-holder, a rack-and-pinion for operating the holder, means for operating the pinion, wick-controlling means having the capacity of positively stopping the elevation of the wick during a complete movement thereof in one direction so as to set the wick at a fixed and predetermined maximum height above the top of the burner tube, and for returning the wick to said predetermined height after movement in the opposite direction, said wick-controlling means comprising a shaft, a sleeve loose thereon and provided with a lug, a resilient member interposed in the path of movement of said lug and movable thereby, a stop for said member adapted to limit its movement, and a sliding member on the shaft adapted to engage and disengage the sleeve to thereby connect and disconnect the latter to the shaft.

1,479,407. TONGS. CHARLES T. DAVIS, Park Place, Tex. Filed Aug. 29, 1921. Serial No. 496,457. 2 Claims. (Cl. 294—115.)

1. A device of the character described including a handle, a pair of jaws pivoted together, two pair of links, the links of each pair being pivoted at one end to the respective jaws at homologous points, respectively, and at their other ends being pivoted to the handle at



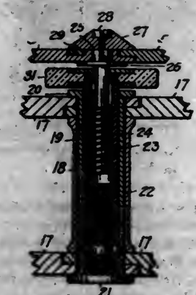
common points, one of said last mentioned connections being also slidable on said handle.

1,479,408. ENDLESS-TRACK VEHICLE. LEWIS K. DAVIS, Washington, D. C. Filed Mar. 22, 1923. Serial No. 626,800. 6 Claims. (Cl. 305—9.)



1. An endless track vehicle comprising a vehicle body, laterally flexible tracks and body supporting devices comprising flanged track engaging rollers held against any substantial lateral movement movable vertically and connected with the vehicle body and having treads materially wider than the portions of the tracks which they engage to allow the tracks to move laterally across the treads to an extent sufficient for steering purposes without moving the rollers sidewise or laterally.

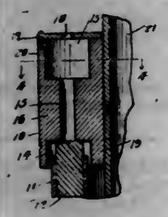
1,479,409. BINOCULAR. KARL A. EDSTROM, Denver, Colo. Filed Apr. 8, 1920. Serial No. 372,239. 1 Claim. (Cl. 88—34.)



In a binocular telescope, the combination with a pair of casings, eye pieces having arms, said casing having arms, a sleeve engaged between the casing arms, a tubular pintle engaged in the sleeve and passing through the adjacent ends of the casing arms to pivotally connect

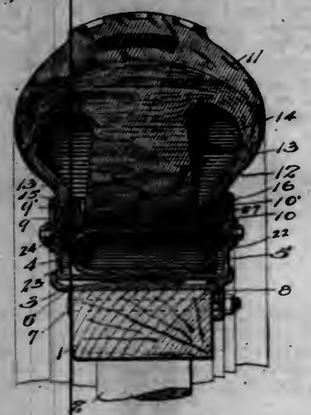
the same, an elongated nut rotatably mounted in the pintle and having one end projected from the pintle, a thumb wheel fixed to the projected end, a headed screw plug in threaded engagement interiorly with the pintle at one end, said plug having a screw bolt formed integral therewith for threaded engagement in said nut the head of said plug bearing against an adjacent casing arm, a pin pivotally connecting the arms of the eye pieces, a screw carried by the pin for threaded engagement in the nut, said screw and screw bolt having oppositely threaded engagement with said pintle, as and for the purpose set forth.

1,479,410. GAS BURNER FOR HEATING DEVICES OF THE TUBULAR-WICK TYPE. JESSE S. HALSTEAD, Oakland, and JOHN F. MORA, Pittsburg, Calif. Filed Oct. 26, 1922. Serial No. 597,039. 6 Claims. (Cl. 158—94.)



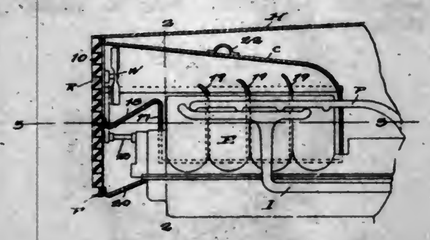
1. A burner for central draft oil heaters consisting of a movably mounted cap adapted to rest on the wick, the wick having a mixing chamber provided and burner means associated therewith and connected with the wick zone by vaporizing passages of flame excluding dimensions.

1,479,411. RESILIENT WHEEL. MORTON HARLOR, Winchester, Va. Filed Feb. 24, 1919, Serial No. 278,825. Renewed Oct. 29, 1923. 1 Claim. (Cl. 152—10.)



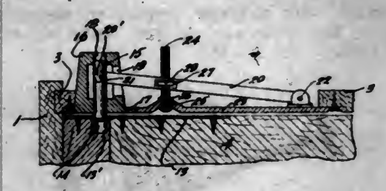
The combination with a sectional channel rim having opposed transverse flanges and opposed angular abutment flanges, of spaced, lateral threaded bosses on the rim sections, a resilient flexible ring retained by the transverse flanges, a flexible tire having a central web and an inner metallic resilient band vulcanized thereto supported on the resilient ring, said tire having side walls supported on the transverse flanges against the outer faces of the abutment flanges, clincher rings engaging the outer edges of the side walls and provided with perforations fitting over the bosses, and securing bolts in the clincher rings engaging the rim sections.

1,479,412. COOLING MEANS FOR INTERNAL-COMBUSTION ENGINES. HENRY N. HARPER, Ruston, La. Filed May 25, 1922. Serial No. 563,660. 2 Claims. (Cl. 123—171.)



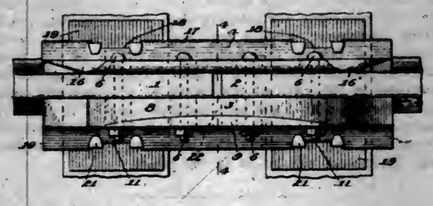
2. In combination with an engine of a motor vehicle, a housing adapted to enclose the engine, said housing comprising a pair of bottom sections adapted to extend about the sides of said engine and also to form a perforated bottom wall beneath said engine, a top section adapted to form with said bottom section a cover for said engine, said bottom sections and top section being also formed to provide a mouth for the housing at the forward and upper end thereof, whereby air may be injected into said housing.

1,479,413. DOOR HINGE. CARL HEDMAN, Spokane, Wash. Filed Feb. 25, 1922. Serial No. 539,092. 3 Claims. (Cl. 16—176.)



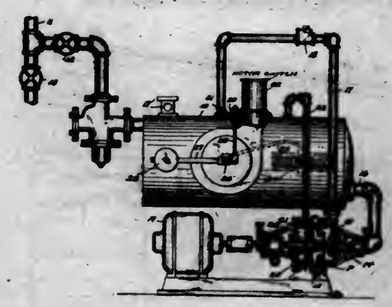
1. The combination of a slotted pintle-support in a door casing, a pintle slidably supported in said support, a casing plate, a lever pivoted on said plate and having its free end pivoted to the pintle, a screw having a bearing in the casing plate, and a traveling nut on said screw retained in a slot in said lever.

1,479,414. RAILROAD CHAIR AND PLATE. JAMES HOGAN, Centralia, Pa. Filed Aug. 30, 1923. Serial No. 660,199. 8 Claims. (Cl. 238—218.)



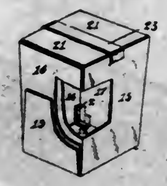
1. A rail joint comprising in combination with the adjacent ends of rails having transverse openings, inner and outer clamping plates, one of said plates being formed with an elevated tread portion, a wheel guide carried by the plate, and tie spacing means.

1,479,415. PUMPING APPARATUS. IRVING C. JENNINGS, South Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a Corporation of Connecticut. Filed Jan. 13, 1921. Serial No. 437,007. 5 Claims. (Cl. 103—111.)



1. In a pump, in combination, a casing, a rotatable shaft journaled in the casing and means for deflecting upwardly air leaking into the casing between the rotatable shaft and its bearing.

1,479,416. REENFORCED PAPER VESSEL. ELIE W. LABOMBARDE, Nashua, N. H. Filed Sept. 2, 1921. Serial No. 497,886. 6 Claims. (Cl. 229—49.)

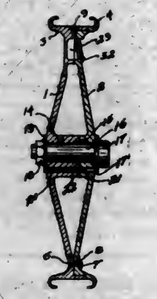


1. An angularly creased blank having reinforcing patches extending across the intersecting creases which define the corners when the blank is folded to container form.

5. The method of producing a blank for a water-proof paper receptacle, consisting in applying a water-repellent material progressively in one direction to a portion of one surface of the blank and then applying water-repellent material progressively in another direction to a predetermined portion of the same surface of the blank, whereby one surface is partially coated and the other surface is left entirely uncoated.

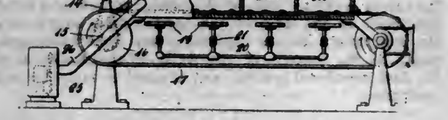
1,479,417. DISK WHEEL. WILLIAM C. LEONARD, Lewiston, Idaho, assignor to Leonard Roller Gear Drive Thresher Company, Lewiston, Idaho. Filed Sept. 23, 1922. Serial No. 590,014. 7 Claims. (Cl. 301—63.)

2. The combination in a disk wheel comprising concavo-convex disks of resilient metal and means for locking said disks near their peripheries, of complementary, inner hub sleeves on said disks, a bolt having a head and a hub cap for clamping said sleeve, said sleeves having



alined openings and a spring pressed locking pin in said openings engaging said head and hub cap.

1,479,418. FOOD PRODUCT AND PROCESS OF MAKING THE SAME. NATHAN MININBERG, Minneapolis, Minn. Filed Feb. 20, 1922, Serial No. 537,996. Renewed June 14, 1923. 3 Claims. (Cl. 99—10.)



1. The process of making a food product rich in vitamines from the whole grain, which consists in segregating the starchy portions of said grain from the vitamine carrying portions; cooking said starchy portions sufficiently to preserve them; adding the uncooked vitamine carrying portions to the cooked starchy portions; and drying the mixture at a temperature too low to destroy the vitamines present, substantially as described.

1,479,419. METHOD OF PRESERVING BAGASSE FIBERS AND A BALE THEREOF. TREADWAY B. MUNSON, Chicago, Ill., assignor to C. F. Dahlberg, Minneapolis, Minn. Filed Aug. 12, 1921, Serial No. 491,750. Renewed Feb. 5, 1923. 7 Claims. (Cl. 92—14.)

1. The process of preventing the natural deterioration, for pulp making purposes, of a mass of bagasse fibers while softening the same, which consists in applying to the interior of said mass a heat generating compound in a quantity sufficient to soften said fibers; and forming said mass into a bale under pressure, substantially as described.

4. A baled mass of bagasse fibers having caustic lime on its interior, substantially as described.

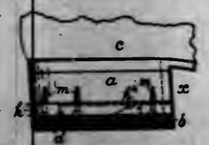
5. A baled mass of bagasse fibers, the interior of which consists of partially softened fibers, and the exterior of which is provided with a layer of compacted substantially air impervious, substantially as described.

1,479,420. DECORATIVE LIGHTING. HERBERT JOSEPH NENNO, Rochester, N. Y. Filed Nov. 20, 1923. Serial No. 675,861. 4 Claims. (Cl. 171—97.)



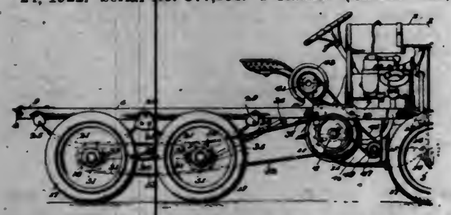
3. The combination set forth in claim 2 in which the connecting means for successive lamp conductors are arranged along the arc of a circle within the block and in which a switch member is provided within the block, adapted in operation to bridge successive pairs of connectors for successively short-circuiting the lamps in order to locate a defective lamp.

1,479,421. SHOE HEEL. ARTHUR POWELL, Cobridge, Stoke-on-Trent, England. Filed Oct. 5, 1920. Serial No. 414,844. 1 Claim. (Cl. 36—36.)



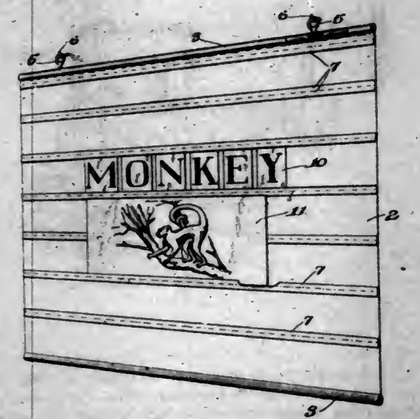
A pad or rubber lift holder for boots and shoes comprising a U-shaped rigid member for attachment to a boot or shoe, the inner edge of which member is beveled, said rigid member having apertures, the walls of which are inclined longitudinally of the member for a distance at the rear edges of said apertures and terminate in walls at right angles to the length of the said member, in combination with a complementary pad or rubber lift having raised portions with beveled sides and end, and studs positioned at the sides of the beveled sides of the pad, the said studs having inclined edges conforming generally to the contour of the walls of the apertures of the first mentioned member and adapted to enter the said apertures.

1,479,422. DEMOUNTABLE ATTACHMENT FOR TRACTORS. JAMES F. BAILEY, Columbia, S. C. Filed July 24, 1922. Serial No. 577,153. 4 Claims. (Cl. 180—16.)



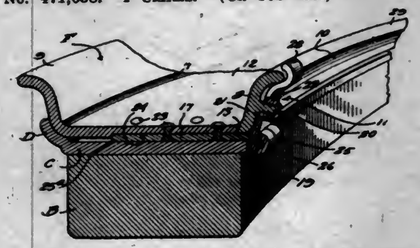
1. A demountable attachment for tractors comprising a frame including side members having forward end portions adapted to extend forwardly of the rear portions of a tractor and converging toward each other at their forward ends, means conecting with the forwardly extending portions of the side members of the frame at the forward ends thereof for detachably securing such forwardly extending portions to a fixed part of the tractor, an axle housing extending transversely of the frame substantially intermediate of the length of the latter, spring suspension means connecting the axle housing with the side members of the frame, an axle journaled in the housing and having the end portions thereof projecting beyond the ends of the housing, wheels secured to the end portions of the axle for movably supporting the frame to track with the tractor, a transversely extending shaft rotatably supported upon the frame of the attachment, a power transmission device secured to the shaft, and other transmission means having connection with the shaft and being adapted for engagement with a driven part of the tractor to effect rotation of the shaft.

1,479,423. EDUCATIONAL DEVICE. ALMA DE B. BARTON, Los Angeles, Calif. Filed Nov. 16, 1922. Serial No. 601,294. 5 Claims. (Cl. 35—9.)



1. An educational device consisting of a pliant, backingless display sheet provided with a plurality of spaced elements forming pairs of spaced upper and lower horizontal channels or grooves into which may be slipped objects to be exhibited.

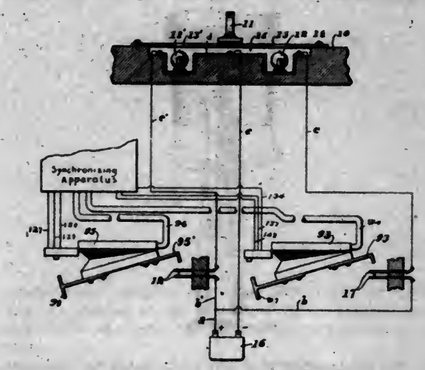
1,479,424. DEMOUNTABLE RIM. TOM MOORE BENNETT, New York, N. Y. Filed May 23, 1921. Serial No. 471,638. 4 Claims. (Cl. 301—35.)



1. A demountable rim for vehicle wheel tires comprising in combination, two separable annular members each including a flange, said flanges adapted to engage opposite sides of a tire adjacent its internal periphery, hinge members, each including two leaves, one leaf being fixedly secured to one of said annular members and the other leaf swingable to engage the outer portion of the flange of the second annular member, and devices carried by the flange of the second annular member for detachably securing the swingable leaves of said hinge members to the same.

1,479,425. TEMPO SIGNAL FOR SYNCHRONIZERS. HEINRICH BOCKISCH, deceased, late of Poughkeepsie, N. Y., by George W. Gittins, administrator, New York, N. Y., assignor to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 21, 1920. Serial No. 375,578. 6 Claims. (Cl. 84—5.)

6. In combination the tempo lever of a record controlled musical instrument to be synchronized with another device, speed-up and slow-down mechanisms of a synchronizer, signals adjacent the tempo lever, signal control connections between the respective signals and the speed-up and slow-down mechanism whereby the



position to which the tempo lever should be moved is indicated by the operation of the signals by the respective speed change mechanisms.

1,479,426. DOUBLE-DECK BUS. EDWARD R. BRAINERD, Los Angeles, Calif. Filed Aug. 22, 1921. Serial No. 494,093. 2 Claims. (Cl. 296—28.)

1. A passenger vehicle comprising a body including vertical sides curved at their upper ends inwardly and downwardly toward each other to provide seats on opposite sides of the body, and then upwardly to form seat backs, a roof spanning the space between the seat backs, and foot platforms extending laterally from the vertical sides below their upper ends.

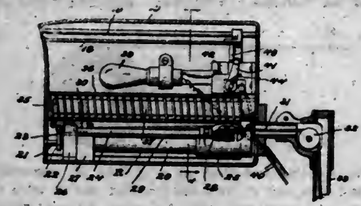
1,479,427. MATCH STRIKE. WILLIAM CHALMERS, Lovelocks, Nev. Filed Sept. 21, 1921. Serial No. 502,203. 1 Claim. (Cl. 44—48.)



In a match scratcher, a pipe having a bowl with a flat bottom, and an abrasive material directly cemented onto the under surface of said bottom.

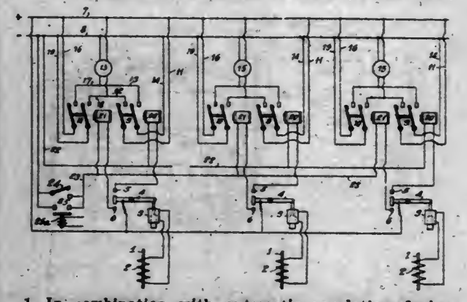
1,479,428. TRAFFIC SIGNAL FOR VEHICLES. ARTHUR J. COON, Providence, R. I. Filed Apr. 20, 1920. Serial No. 375,302. 10 Claims. (Cl. 116—50.)

1. A traffic signal for vehicles comprising, in combination, a casing adapted to be secured to the vehicle, an indicator normally housed within said casing, means projecting said indicator without the casing, and means for retracting the same, said means including a movable



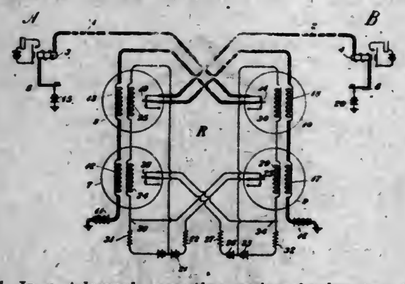
guide member and a cord passing over said guide and having one end attached to the indicator and the other end attached to the casing.

1,479,429. REGULATION OF ELECTRIC FURNACES. WALDEMAR DYRSSEN, New York, N. Y. Filed Jan. 12, 1921. Serial No. 436,634. 10 Claims. (Cl. 204—64.)



1. In combination with automatic regulating devices for moving the electrodes of an electric furnace, manually controlled means for preventing the automatic devices from effecting the upward movement of the electrodes.

1,479,430. TELEGRAPH REPEATER SYSTEM. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 26, 1921. Serial No. 455,714. 5 Claims. (Cl. 178—71.)



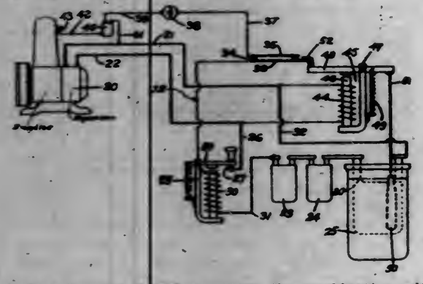
1. In a telegraph repeating system having two line sections, a repeater comprising two pairs of relays interconnecting each section, each relay of a pair having a double winding serially connected with the corresponding winding of its associate, a line circuit for each pair of relays normally in control thereof, a local circuit for each pair of relays normally opposed to the electro-magnetic action of the line circuit thereon, and means responsive to the opening of the line circuit at one section whereby each pair of relays is controlled by its respective local circuit and upon the subsequent closure of the line circuit whereby electrical impulses are repeated over the opposite line section.

1,479,431. COILED TIE WIRE. ALBC J. GERRARD and PARVIN WRIGHT, Chicago, Ill. Filed June 14, 1922. Serial No. 568,304. 3 Claims. (Cl. 24—27.)



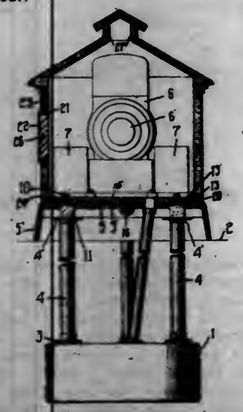
1. The herein described new article of manufacture consisting of a coil of wire adapted for use in wire tying machines and provided with deformed integral portions adapted to fit said machines at predetermined intervals in its length substantially as described.

1,479,432. BATTERY-CHARGING SYSTEM. CHARLES F. KETTERING, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 11, 1918. Serial No. 216,466. 10 Claims. (Cl. 290—35.)



1. In a battery charging system, the combination with an engine driven generator and a storage battery to be charged thereby; a charging circuit connecting the battery and generator; means dependent on the voltage of the charging circuit for stopping the engine; and means dependent on the condition of the electrolyte for rendering the first named means inoperative.

1,479,433. POWER UNIT. JOHN M. LEA and JONATHAN P. B. FISKE, Detroit, Mich., assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 8, 1919. Serial No. 322,598. 17 Claims. (Cl. 123—195.)



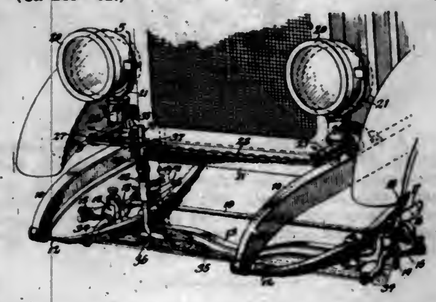
1. In a power plant, a fuel tank, posts resting on the tank and projecting upwardly therefrom, and an internal combustion engine supporting structure mounted on the projecting ends of said posts.

1,479,434. TOOL FOR HOLDING PISTON RINGS IN THEIR SEATS. VICTOR A. NELSON, Portland, Oreg. Filed Oct. 6, 1921. Serial No. 506,876. 5 Claims. (Cl. 29—36.4.)



1. The combination in a tool of the character described, of jaws each provided with a holding-lip on its exterior face at its tip, the opposed faces of the holding-lip and the jaw being spaced to provide a slot between them for the insertion of a supplemental tool element, said holding-lip being adapted to be compressed against the underlying surface of the jaw, means for compressing the lip against the underlying surface of the jaw, means applied to the handle end of the tool for securing the jaws in compression.

1,479,435. LAMP-OPERATING MECHANISM FOR AUTOMOBILES. AMICO MICHAEL PURCHIO, Buffalo, N. Y. Filed Apr. 3, 1922. Serial No. 548,996. 4 Claims. (Cl. 240—62.)

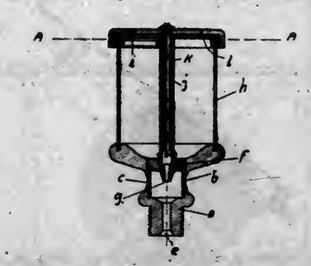


1. A lamp operating mechanism for automobiles comprising a main frame, lamp brackets pivoted on the main frame, steering knuckles pivoted on the main frame, and means for connecting and disconnecting said steering knuckles and lamp brackets comprising bracket arms arranged on said brackets, knuckle arms arranged on said knuckles, an upper bar connecting said bracket arms and provided with an opening, a lower bar connecting said knuckle arms, a standard mounted on said lower bar, a coupling rod composed of upper and lower pivotally connecting sections, said upper section being adapted to engage with said opening and said lower section being slidable vertically on said standard, and a screw nut arranged on said coupling rod and adapted to move lengthwise thereof for locking the same against folding or permitting the same to fold.

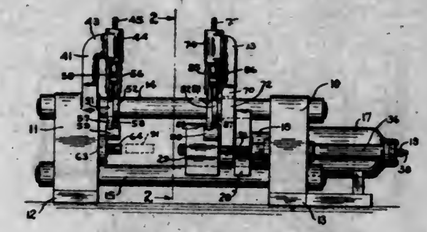
1,479,436. GREASE CUP FOR FLUID LUBRICANTS. EMILE PIGUERRE, St. Ursanne, Switzerland. Filed May 1, 1920. Serial No. 378,245. 6 Claims. (Cl. 184—79.)

3. A grease cup comprising a tubular body provided with a lubricant outlet, a tube arranged within the body

portion and provided near its lower end with an aperture, a flap-valve controlling said aperture and having its axis intersecting the axis of the tube, a stem arranged within the tube and provided with an eccentrically arranged finger designed to engage said valve for controlling the opening of the same, and means located on the exterior of the body for controlling movements of said stem.

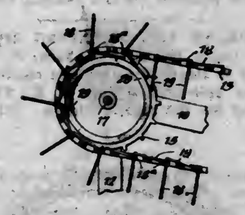


1,479,437. METHOD OF AND MEANS FOR EXTRUDING BRASS AND LIKE MATERIAL. WILLIAM B. WEBSTER, Bridgeport, Conn. Filed June 6, 1922. Serial No. 566,214. 34 Claims. (Cl. 207—9.)



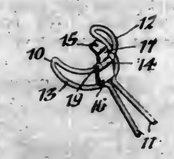
1. In a metal extruding machine, a frame, a billet container movably mounted thereon, means to limit the movement of the billet container in one direction, said means being capable of being rendered inoperative to permit movement of the container.

1,479,438. CURRENT MOTOR. GOTTFRIED H. WENDE, Buffalo, N. Y. Filed Apr. 17, 1922. Serial No. 553,991. 3 Claims. (Cl. 170—89.)



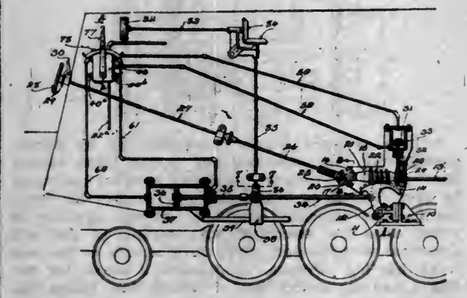
3. A current motor, comprising supporting wheels, an endless belt passing around said wheels, one of said wheels being provided with an annular flange projecting from its side, and paddles hinged to said belt and provided at their hinged edges with trip arms arranged substantially at right angles thereto, each paddle arm being arranged to engage said flange for swinging said paddles from their folded to their unfolded position in traveling in one direction and to abut against the hinged inner portions of adjoining paddles in traveling in the opposite direction.

1,479,439. DENTAL CLASP. REGINALD V. WILLIAMS, Buffalo, N. Y. Filed Sept. 9, 1922. Serial No. 587,042. 6 Claims. (Cl. 32—12.)



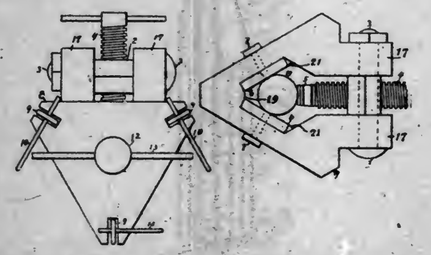
1. A dental clasp, comprising a band, and an occlusal rest laterally adjustable on said band and having means for slidably connecting the same with the band.

1,479,440. CONTROL MECHANISM. HENRY E. ABELE, Milwaukee, Wis. Filed Nov. 22, 1920. Serial No 425,787. 4 Claims. (Cl. 121—38.)



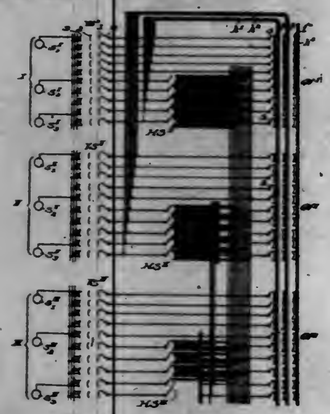
1. In combination, a pivoted member, a gear segment thereon concentric with its pivot, a manually operable worm engageable with said gear segment for oscillating said pivoted member, means operable by fluid pressure for disconnecting said worm from said gear segment, means operable by fluid pressure for oscillating said pivoted member, and valves for controlling the admission of fluid pressure to each of said pressure operated means successively.

1,479,441. VISE. WILLIAM F. ANDERSON, Torrington, Wyo. Filed Feb. 24, 1923. Serial No. 621,045. 8 Claims. (Cl. 81—19.)



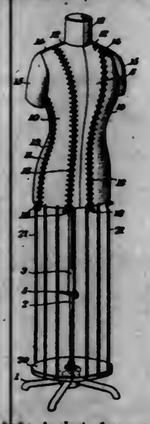
7. In a vise of thec lass described, in combination, a body adapted to be disposed horisontally on the bed of a pressure press, said body having substantially a V groove running vertically therein and two lugs thereon; a block, having a threaded hole therethru, rotatably mounted between said lugs; and a threaded bolt screwed thru said threaded hole in said block; for the purposes set forth.

1,479,442. METERING TELEPHONE SYSTEM. FRITZ ALDENDORFF, Wilmersdorf, Berlin, Germany. Carved out of application on which Patent No. 1,319,031 was granted Oct. 14, 1919, and filed after grant of that patent. This application filed June 21, 1920. Serial No. 390,320½. 23 Claims. (Cl. 179—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



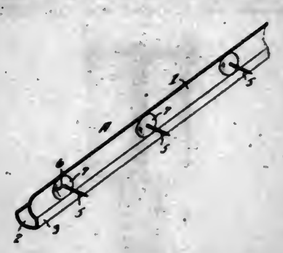
1. In a system for interconnecting lines by electro-mechanically controlled switches, calling lines, wanted lines, switch controllers, numerical switches controlled by said controllers, trunk hunting switches for hunting for idle numerical switches, two-way switches of which some are associated with certain of the said numerical switches and others with certain of the said trunk hunting switches, non-numerical means for setting a two-way switch onto a calling line, means controlled by said controllers for setting a two-way switch onto a called line, a meter associated with each line, and circuits in said two-way switches for actuating said meters.

1,479,443. ADJUSTABLE DRESS FORM. ANNA DEANE BAILEY, New York, N. Y. Filed Jan. 7, 1922. Serial No. 527,662. 4 Claims. (Cl. 223—18.)



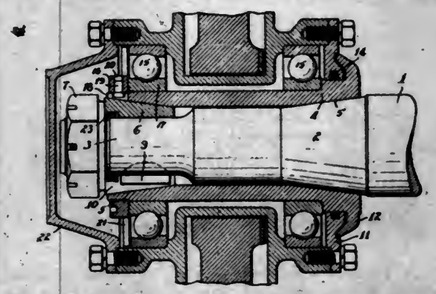
2. A sectional fabric jacket for compressible garment forms divided vertically into three sections along two lines extending from the front lower edge to the rear lower edge of the jacket and passing over the shoulder portions of said jacket, and means for lacing the sections of the jacket together along said two lines of division.

1,479,444. DRIP MOLDING. JAMES L. BANCROFT, Cleveland, Ohio. Filed Nov. 8, 1922. Serial No. 599,644. 2 Claims. (Cl. 296—137.)



1. A drip molding comprising a wall strip of channel form and a trough extending along the lower edge of the wall strip, attaching elements suitably spaced apart longitudinally of the wall strip and having heads disposed within the channel of the wall strip, and suitable material within said channel and wherein the said heads of the attaching elements are embedded.

1,479,445. BEARING BOX. JOHN H. BANINGER, Jamestown, N. Y. Filed Jan. 26, 1922. Serial No. 532,028. 9 Claims. (Cl. 64—36.)



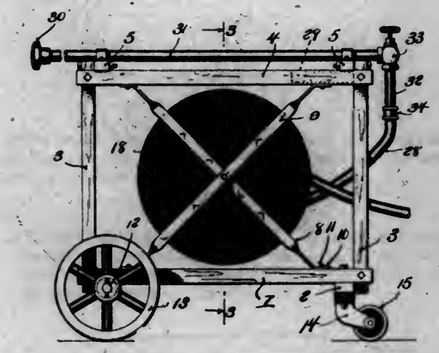
1. In a bearing box of the character set forth, the combination with a shaft having a tapered seat thereon, of a bearing sleeve detachably mounted on said shaft and having a tapered bore at each end thereof, one of said bores being adapted to engage said tapered seat, a tapered sleeve mounted on said shaft and engaged with the other of said tapered bores, said sleeve being adapted to secure said bearing sleeve to said shaft against rotation, bearing elements carried by said bearing sleeve, and a box rotatably mounted on said bearing elements.

1,479,446. MEANS FOR MOUNTING MULTIGRAPH PLATES. LOUIS BAUER, New York, N. Y., assignor of one-third to Henry J. Bauer and one-third to Frederick Turner, both of New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,246. 6 Claims. (Cl. 101—384.)



1. In a printing plate, means for mounting and retaining said plate in connection with a cylinder comprising substantially T-shaped members, the shanks of said members being adapted to be passed through apertures in said plate at spaced intervals, and the shanks of said members being fashioned to retain said members in connection with said plate with the crossheads of said members positioned at a predetermined distance from the rear face of the plate.

1,479,447. COMBINATION SPRINKLER AND HOSE CARRIER. WALTER L. BRATTIN, Milwaukee, Wis. Filed Nov. 23, 1922. Serial No. 602,800. 2 Claims. (Cl. 299—53.)



2. A hose reel comprising a framework, a plurality of supporting wheels therefor, diagonally arranged crossed braces secured to said framework, a reel mounted between said braces, a shaft for supporting said reel and having bearing relation with said braces at their points of crossing, said reel comprising end disks and diagonally arranged bracing members secured thereto, and transverse bars having bevelled edges secured to said bracing members.

1,479,448. QUILL. JOHN G. BENTLEY, Paterson, N. J. Filed May 25, 1923. Serial No. 641,400. 3 Claims. (Cl. 242—120.)



1. A quill of multi-sided form in cross section along its winding portion.

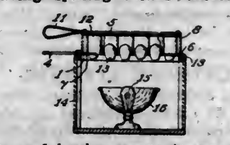
1,479,449. WOUND PACKAGE. JOHN G. BENTLEY, Paterson, N. J. Filed June 15, 1923. Serial No. 645,609. 6 Claims. (Cl. 242—161.)



4. A metal filament wound shuttle package comprising a quill multi-sided in cross section along its winding portion and a transverse wound interlocked mass of the metal filament thereon, the said mass having a substantial thickness between its ends as compared to the diameter of the quill in the corresponding cross sectional plane.

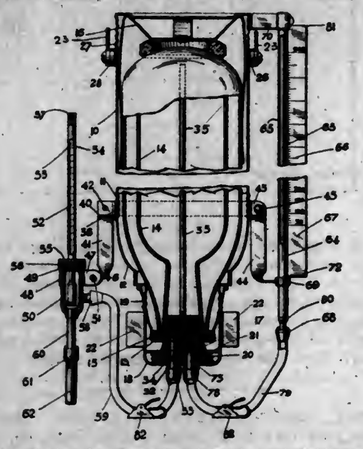
1,479,450. EGG-CANDLING DEVICE. CHRISTIAN NIELSEN BRUHN, Cedar Falls, Iowa. Filed Sept. 25, 1922. Serial No. 590,441. 1 Claim. (Cl. 99—6.)

A device of the character described, comprising a flat scoop-plate having orifices therein corresponding in position to the cells of an egg-crate section to be placed thereon, and a like clamping orificed plate to be positioned thereover, having spacing means thereon to surround



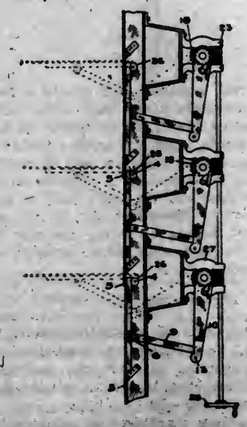
such a section and having means to separably connect it with said scoop-plate.

1,479,451. FLUID-ADMINISTERING DEVICE. JACOB BUCKSTEIN, New York, N. Y. Filed Feb. 14, 1923. Serial No. 618,898. 16 Claims. (Cl. 128—227.)



14. A device for the administration of fluids comprising in combination, an inverted vacuum bottle, a closure for the mouth thereof at the lower end, an outlet connection through said closure, and indicating means connected to the closure and acted upon by the charge of fluid in said bottle.

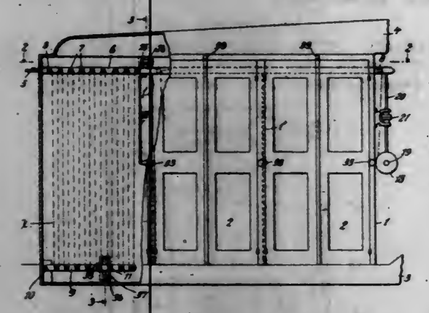
1,479,452. SAFETY CLOSURE FOR WALL OPENINGS. WILLIAM FREDERIC CANAVAN, Montreal, Quebec, Canada. Filed Apr. 11, 1923. Serial No. 631,289. 9 Claims. (Cl. 268—18.)



1. In safety closures for wall openings, a hinged closure, pawl and ratchet mechanism for holding said

closure to its open position and worm and wheel mechanism for opening and closing said closure independently of an emergency movement.

1,479,453. FILM-DRYING APPARATUS. GIDEON W. CARLETON and HERBERT O. CARLETON, New York, N. Y.; said Gideon W. Carleton assignor to said Herbert O. Carleton. Filed Oct. 22, 1920. Serial No. 418,839. 3 Claims. (Cl. 34—48.)



3. In a drier for films, means for feeding the film including upper and lower series of rollers between which the film is looped back and forth, a hinged arm carrying one series of rollers, a contact member carried by said hinged arm, and a pair of vertically spaced contact members adapted to be engaged by said first contact member when the said arm swings from normal position.

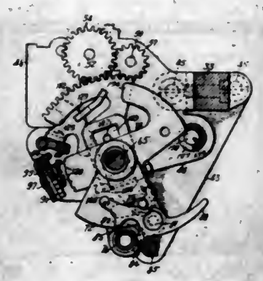
1,479,454. MOVING-PICTURE-FILM REEL. MICHAEL CARR, New York, N. Y. Filed Jan. 26, 1922. Serial No. 531,900. 6 Claims. (Cl. 242—74.)



4. In a film reel, a hollow hub having a pair of slots spaced circumferentially apart, said slots being adapted for selective use to admit the extremity of a film strip endwise therethrough, a pair of anchor teats on one side of each slot disposed to engage a pair of perforations in the film, one pair of anchor teats projects relative to one slot in one direction, and the other pair of anchor teats projecting relative to the other slot in the opposite direction, each slot having bordering the side thereof opposed to the anchor teats associated therewith an inwardly projecting deflecting lip.

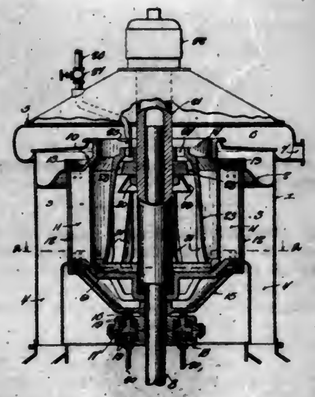
1,479,455. CALCULATING MACHINE. JOHN J. CHAPIN, New York, N. Y., assignor to Remington Accounting Machine Corporation, Ilion, N. Y., a Corporation of New York. Filed May 16, 1921. Serial No. 469,881. 24 Claims. (Cl. 235—59.)

1. In a calculating machine, the combination with a set of digit keys, of a shaft, a series of key pieces pivoted on said shaft and connected with said keys, a set of differential pieces pivoted on said shaft and each having lost motion connection with one of said key pieces, and a differential bail swinging concentrically with said shaft and operated by said differential pieces.



23. In a calculating machine, the combination of a set of numeral keys, a universal bar situated at the front of the actuating mechanism of the calculating machine and readily removable, and actuating brackets mounted on said universal bar in accessible positions and removably secured thereto.

1,479,456. DEWATERING MACHINE. HENRY BURDETT CLEVELAND, East Schodack, N. Y. Filed May 23, 1921. Serial No. 471,796. 6 Claims. (Cl. 233—7.)

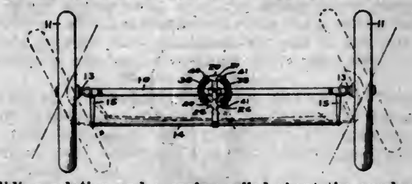


1. A machine of the character and for the purpose set forth comprising a main rotary drum, an auxiliary rotary drum mounted within said main drum, said auxiliary drum being opening at its bottom and having its side wall flared outwardly and terminating adjacent the bottom of the main drum, and means for supplying material to the top of the auxiliary drum.

1,479,457. TENSION DEVICE FOR VEHICLE STEERING MECHANISM. EDWARD A. COMMISKEY, Indianapolis, Ind. Filed Apr. 29, 1921. Serial No. 465,533. 2 Claims. (Cl. 280—94.)

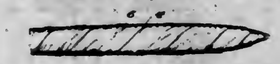
1. In a device of the character described, an axle, a tie-rod, a segmental plate rigidly mounted on the axle, a second segmental plate concentric with the first and

movable with the tie-rod said segmental plates having a portion of their periphery overlapping each other in



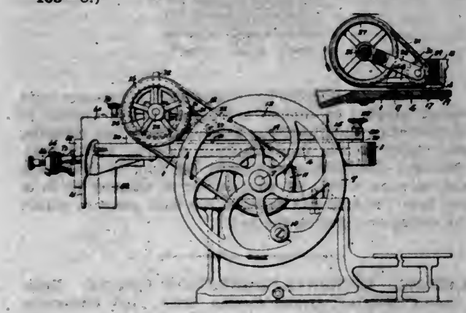
sliding relation and a spring coiled about the overlapped portions to resist relative movement between the said segmental plates, substantially as set forth.

1,479,458. CIGAR AND METHOD OF MAKING THE SAME. FRANCISCO ESPAILLAT DE LA MOTA, La Vega, Dominican Republic. Filed May 10, 1920. Serial No. 380,335. 3 Claims. (Cl. 131—52.)



3. As a new article of manufacture, a cigar comprising a filler of relatively small pieces of tobacco, a paper wrapper enclosing the filler, a portion of the particles of the filler at one end being removed and the paper wrapper being formed with a tip at said end, a wrapper of leaf tobacco of one quality enveloping the paper wrapper of the filler, and a wrapper of tobacco of a superior quality enveloping the whole.

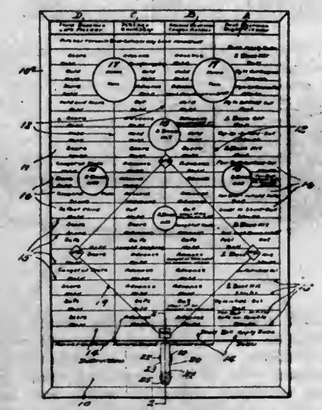
1,479,459. COUNTING MACHINE. EDWARD P. DONNELLAN, Brooklyn, N. Y., assignor to Standard-Johnson Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 6, 1922. Serial No. 527,438. 4 Claims. (Cl. 133—8.)



3. In a counting machine the combination with a bedplate of a rotatable feed table, a guide ring having a horizontal flange parallel to and spaced above said table to form a circular article runway arranged over the marginal portions of said table, said guide ring having an outlet passage communicating with said runway, and a rotatable article propelling means having an operative portion thereof disposed in said outlet passage to extend transversely across said runway to successively grip and propel outward the articles moved around said runway to said outlet passage.

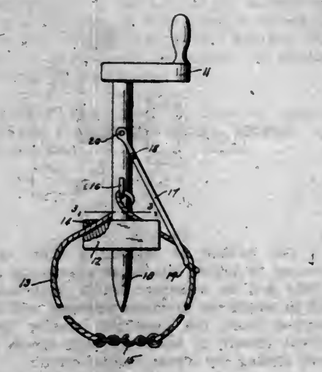
1,479,460. GAME. ARTHUR P. DRAPER, Lebanon, Mo. Filed Feb. 18, 1922. Serial No. 537,432. 2 Claims. (Cl. 46—59.)

1. A game comprising a board provided with a plurality of play directing marks arranged in parallel groups, individual marks arranged on said board adjacent to each group whereby each group is referable to a definite player, there being a playing field of conventional baseball form arranged on said board and containing a plurality of stations whereon a plurality of players are operatively associated, play-recording counters arranged to be placed on said field in accordance with the progress of the play,



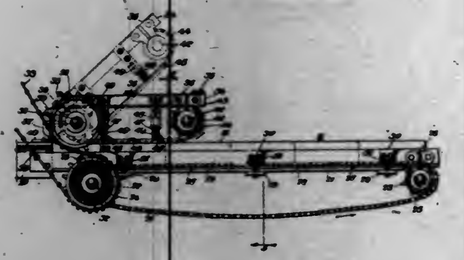
a lever pivotally mounted on said board and having one end provided with a seat, and a flat member adapted to be placed on said seat, whereby when said lever is actuated said flat member is discharged onto said board and the play is determined in accordance with the mark at which said member comes to rest.

1,479,461. BUNDLE OR SHOCK COMPRESSOR AND HOLDER. THOMAS J. DRAKE, Sadieville, Ky. Filed Nov. 12, 1921. Serial No. 514,778. 2 Claims. (Cl. 100—31.)



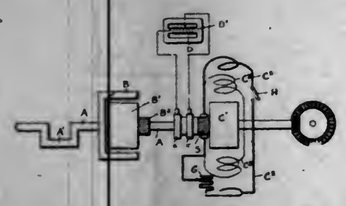
1. A device of the character described including a rotatable shank having a handle whereby it may be rotated, a block through which said shank rotates and slides, a rope extending through the block and formed to provide a loop inward of the block, means to detachably connect the ends of the rope outwardly of the block, a hook on the shank inward of the block and adapted to engage said loop, and a latch rod pivoted at one end to the shank and having a hook at its other end whereby it may be engaged with the rope to hold the shank from rotation relative to the block and rope.

1,479,462. BLOCK-FEEDING MECHANISM FOR MATCH MACHINES. WILLIAM J. ELDER, Oswego, N. Y., and EDGAR A. ALLEN, Chico, Calif., assignors to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 3, 1922. Serial No. 565,742. 4 Claims. (Cl. 144—242.)



1. In block feeding mechanism for match machines, the combination with block-feed rolls, supporting and operating elements therefor, and a block-supply trough leading to said rolls, of block-impelling means including an endless conveyer, having its active run extending longitudinally of the bottom of the trough, a vertically-movable frame overhanging the trough in advance of said rolls, other block-impelling means including an endless conveyer mounted on said frame and having its active run extending longitudinally of the trough, means for yieldingly pressing the latter conveyer against the blocks when the frame is in down position, and means for concurrently actuating the said conveyers to impel their active runs in a direction toward the feed rolls.

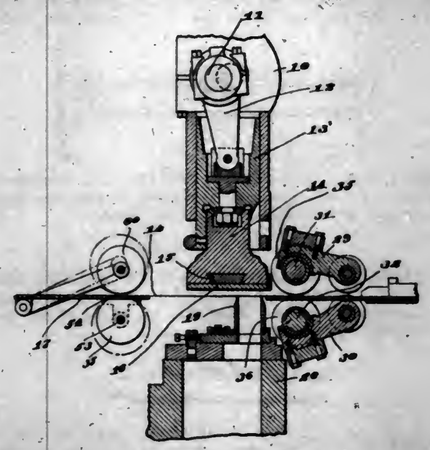
1,479,463. ELECTRIC BRAKE. JUSTUS B. ENTZ, New York, N. Y. Filed Nov. 5, 1920. Serial No. 421,990. 7 Claims. (Cl. 172—179.)



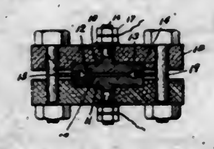
1. The method of braking a shaft carrying means arranged to deliver direct and alternating current having a field and an armature which comprises exciting the field in which the armature operates with direct current obtained from the armature, closing the alternating current circuit at relatively high speeds and at lower speed closing the direct current circuit.

1,479,464. PROCESS AND APPARATUS FOR BLANKING ARTICLES FROM SHEET MATERIAL. CLARENCE B. FULLER, Jr., Bridgewater, Mass., assignor to Geo. O. Jenkins Company, Bridgewater, Mass., a Corporation of Massachusetts. Filed June 26, 1922. Serial No. 570,859. 4 Claims. (Cl. 164—22.)

1. An improved system or process for blanking articles from sheet material which consists in first measuring the sheet of material to a length equal to the sum of the lengths of a plurality of the articles to be blanked, trimming off said sheet to such length to eliminate waste of material, feeding said sheet step by step past a relatively reciprocating block and die to blank out therefrom the measured plurality of articles and without waste of material.

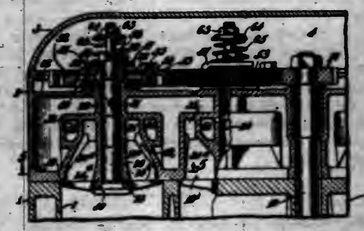


1,479,465. CONTROL OF ELECTRIC CIRCUITS. TALMA T. GREENWOOD, East Templeton, Mass., assignor to Sears B. Condit, jr. Filed Jan. 19, 1918. Serial No. 212,551. 4 Claims. (Cl. 175—30.)



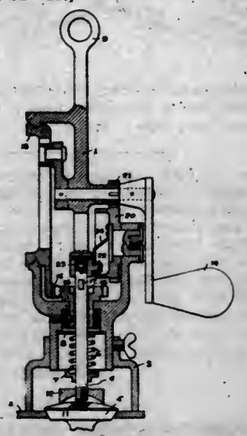
1. A circuit interrupter comprising a pressure-tight casing adapted to confine a relatively small volume of an insulating fluid normally at a relatively low pressure, said casing having two relatively massive, highly heat-absorbent electrodes separated by the fluid in the casing and between which an electric arc is adapted to form and heat the fluid and increase the fluid pressure within the casing and quench the arc.

1,479,466. INTERNAL-COMBUSTION ENGINE. FREDERICK M. GUY, Grand Rapids, Mich., and FREDERICK R. SUNDERMAN, Newburgh, N. Y. Filed May 9, 1919. Serial No. 295,959. 26 Claims. (Cl. 123—59.)



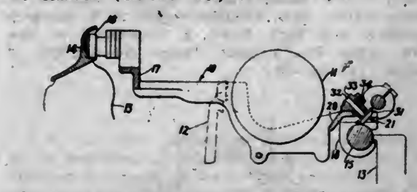
1. In an internal combustion engine the combination of an engine cylinder and piston, a removable valve port casing having intake and exhaust ports, a rotary valve for opening and closing said ports, a spindle extending through said casing for rotating said valve, a gear on said valve and spindle, a thrust bearing on said casing, a spider having arms extending loosely down through said gear and engaging said bearing and a spring interposed between said spider and the end of the spindle tending to keep the valve seated on its valve seat.

1,479,467. AUTOMATIC VALVE GRINDER. ROBERT H. HAZELTINE, Bordeaux, France, assignor to Specialty Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1920. Serial No. 423,278. 4 Claims. (Cl. 51—29.)



1. A valve grinder comprising a frame to be held against a motor, a main shaft held in said frame and adapted to be attached to a valve, a power operated counter-shaft in said frame, a crosshead driven by a crank on said counter-shaft, means for transmitting the oscillating movement of said crosshead to said shaft to move said shaft in equal arcs in each direction, and means for rotating said shaft periodically to change the position of said valve.

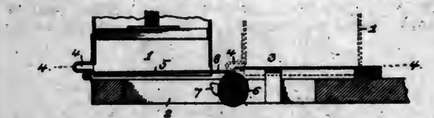
1,479,468. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1921. Serial No. 520,830. 7 Claims. (Cl. 197—69.)



1. In a typewriting machine, the combination of a carriage, and guiding means for said carriage, said guiding means comprising a rail, carriage-supporting devices to slide on the top of said rail, and a distant carriage-supporting device to roll on the top of said rail, said sliding device and said distant rolling device forming the entire support of said carriage upon said rail.

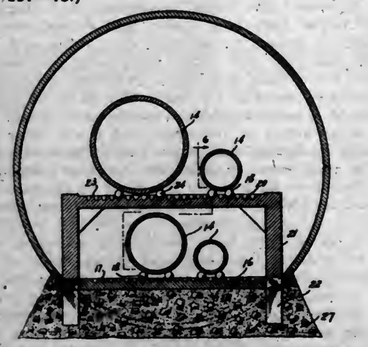
1,479,469. FRUIT AND VEGETABLE SLICER. MICHAEL KIRNBAUER, Forest Park, Ill. Filed May 26, 1923. Serial No. 641,794. 3 Claims. (Cl. 146—168.)

1. In a slicing machine, the combination of a cutter carrying frame and a holding hopper connected together for movement in relation one to the other, a platform hinged to the carrying frame and forming a support for the material in the hopper, a transverse cutter blade fixedly secured to the carrying frame in adjacent relation to the movable end of said platform, and means



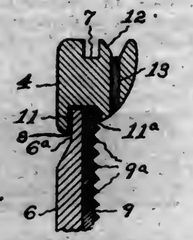
for effecting a vertical adjustment of the movable end of said platform, the hopper having at its remote lower end an offset return bend forming a receiving channel for the cutting point of the blade aforesaid.

1,479,470. CONDUIT AND MOUNTING. WILLIAM GEORGE KUEHN, New York, N. Y., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,753. 7 Claims. (Cl. 137—75.)



4. A conduit for pipe lines comprising the combination of a series of tubular sections, certain of which have openings in their under sides intermediate of their ends, a monolithic base of concrete set in each such opening and lying partly within and partly outside of said tubular section, a flat plate having a plurality of grooves on its upper face parallel to the axis of the conduit set in said base and a plurality of balls adapted to roll in any of said grooves, whereby suitable ball bearings for pipes of different diameters can be secured by placing the said balls in the proper grooves.

1,479,471. WASHBOARD. NEIL D. LENNER, Akron, Ohio. Filed Sept. 19, 1922. Serial No. 589,066. 11 Claims. (Cl. 68—29.)

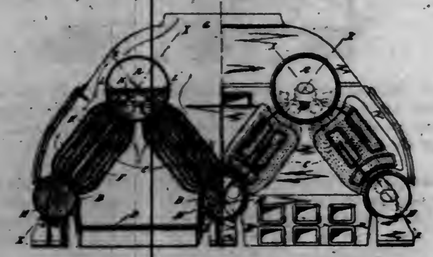


1. In a washboard, the combination with a frame and a rubber rubbing surface, of metal clips for securing the rubbing surface to the frame.

1,479,472. GLUE AND METHOD OF PREPARING THE SAME. WILLIAM R. LONG, St. Louis, Mo. Filed Apr. 17, 1922. Serial No. 553,985. 2 Claims. (Cl. 87—17.)

1. A glue consisting of glue and kaolin in equal amounts by weight.

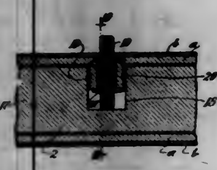
1,479,473. STEAM GENERATOR. HENRY JOHN SUTHERLAND MACKAY, Rowemount, Isle of Wight, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Sept. 4, 1918. Serial No. 252,515. 3 Claims. (Cl. 122—325.)



1. A water tube boiler comprising two steam and water drums and three spaced mud drums, means for creating a circulation between said steam and water drums, and said mud drums comprising two partitions within the middle mud drum extending longitudinally thereof and dividing the same into three unconnected chambers, a bank of tubes connecting each of said steam and water drums to the outer mud drum, other banks of tubes connecting said steam and water drums to the middle mud drum, some of the tubes of each of the last mentioned banks being connected to separate chambers of the middle mud drum and other tubes being connected to a common chamber.

2. A water tube boiler comprising an upper steam and water drum, two lower mud drums, banks of tubes connecting the steam and water drum to the respective mud drums, the steam and water drum being provided with baffles extending longitudinally of the drum and at least as high as the water line, and forming a plurality of chambers therein, and means for introducing feed water to the chambers without said baffles, the lower drums being provided with imperforate diaphragms dividing each drum into two unconnected chambers to each of which a part of the tubes of the associated bank are connected, part of the tubes which communicate with one of the chambers of the mud drum being connected to the associated chamber of the steam and water drum without the baffles, and the other part of said tubes being connected to the chamber between said baffles, and downcomers connecting the middle chamber of the steam and water drum to the other chamber of each of said mud drums.

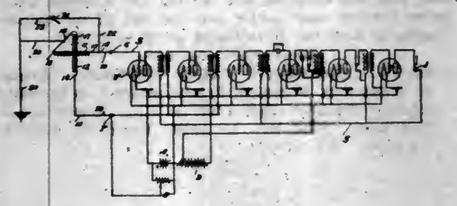
1,479,474. BOOTH OR COMPARTMENT. GEORGE R. MEYERCORD, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed Feb. 16, 1922. Serial No. 436,955. 10 Claims. (Cl. 20—4.)



1. A post having a groove therein, and a laminated sheet having an outer layer of metal bent around and forming a facing for the post and having a marginal portion projecting into said groove.

1,479,475. RADIO RECEIVING APPARATUS. OGDEN MINTON, Greenwich, Conn. Filed Jan. 19, 1923. Serial No. 613,576. 3 Claims. (Cl. 250—20.)

1. Radio receiving apparatus, comprising the combination with a detecting system, of a circuit connecting the in-put terminals of said system and containing two inductance coils connected in series and mounted for



relative movement to vary the inductance linkage between them, and a connection from a point of said circuit between said coils to the ground.

1,479,476. CLAMP. ALBERT B. MUELLER, Chicago, Ill. Filed Sept. 9, 1921. Serial No. 499,525. 1 Claim. (Cl. 296—84.)



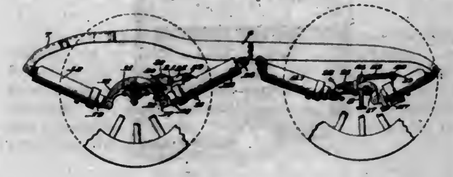
A clamp structure including a body portion having two clamping jaws located thereon abreast; an additional clamping jaw pivoted upon said body portion and complemental to one of the first aforesaid clamping jaws; another additional clamping jaw also pivoted upon said body portion and complemental to the other one of the first aforesaid clamping jaws; and a clamping screw for each pair of complemental clamping jaws, one of the pivoted clamping jaws being formed with wings upon its sides that project toward the other clamping jaw and said body portion having an extension adjacent this other clamping jaw that receives the screw pertaining to these two jaws and which extension is receivable between said wings in the clamping operation.

1,479,477. UNIVERSAL-JOINT DISK. NEWTON S. NOBLE, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 442,999. 8 Claims. (Cl. 64—96.)



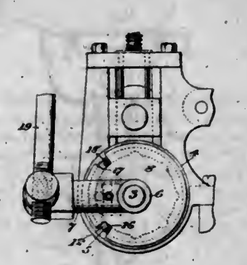
1. A coupling disk for a universal joint, said disk comprising a continuous, flat strip of rubberized fabric folded into the form of an annulus having polygonal inner and outer peripheries and having approximately twice as many thicknesses of the strip in some of its parts as in substantially all of the rest of its parts.

1,479,478. SPRING SUPPORT FOR VEHICLES. HERBERT OLOF OLSON, Rockford, Ill., assignor to The Bedwells, a Copartnership consisting of Thomas A. Bedwell and Clarence A. Bedwell, Rockford, Ill. Filed Feb. 26, 1921. Serial No. 447,961. 14 Claims. (Cl. 267—60.)



1. A spring support for vehicles comprising in combination with a body-supporting member and an axle, of a spring toggle, betwen said axle and said member supporting the latter on the former, said spring toggle comprising a front and a rear unit, each unit consisting of a pair of telescoping tubes and an interposed coil compression spring, the tubes of each unit being pivotally connected at its ends to said member and axle, and a tie-bar acting between said axle and member in a plane substantially coincident with the pivot axis of the front unit on said member.

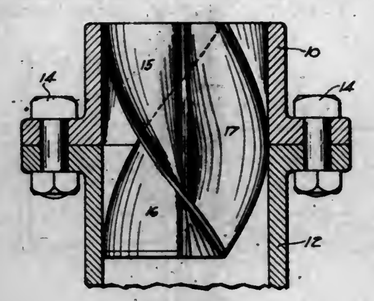
1,479,479. ROLL-FEED MECHANISM FOR POWER PRESSES. HERMAN OSSWALD, Glendale, N. Y. Filed Jan. 26, 1922. Serial No. 531,929. 4 Claims. (Cl. 192—48.)



1. A roll feed mechanism comprising driving and driven members, a friction clutch for converting the oscillating movement of the driving member into an intermittent rotary movement of the driven member, said clutch comprising a cam carried by the driving member, a normally contracted split ring, a roller located between the face of the cam and the ends of the split ring whereby the movement of the cam away from its normal position will cause the roller to expand the split ring into clutching engagement with the driven member, and a lost motion connection between the split ring and driving member.

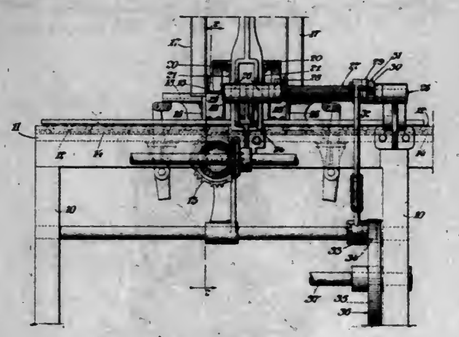
1,479,480. TWISTER FOR LOCOMOTIVE EXHAUST NOZZLES. FRANCIS E. OWEN, Thistle, Utah. Filed Aug. 4, 1920. Serial No. 401,252. 6 Claims. (Cl. 162—4.)

1. In a twister for locomotive exhaust nozzles, the combination with a nozzle portion, of a plurality of vanes inside the said nozzle portion, the said vanes having a curved cross-section and being inclined, relatively to



the longitudinal axis of the said nozzle portion, for the purpose of imparting a twisting motion to fluids discharged from the said nozzle portion.

1,479,481. MACHINE FOR MAKING MATCH BOOKS. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1921. Serial No. 479,305. 3 Claims. (Cl. 93—7.)



1. In a machine for making match books, the combination with a carrier comprising a succession of cover holders, of means for folding cover blanks and inserting them into said holders, said means including a folding blade, a rocker-shaft, operative connection between said shaft and blade, a positively actuated rocker element loose on said shaft, means whereby the motion of the said element in one direction is positively transmitted to the shaft, and a spring connection through which the motion of the said element in the other direction is transmitted to the shaft.

1,479,482. WHEEL. SIDNEY I. PRESCOTT, New York, N. Y., and FRANCIS J. RUMMLER, Lyndhurst, N. J. Filed Feb. 13, 1922. Serial No. 536,043. 8 Claims. (Cl. 301—63.)

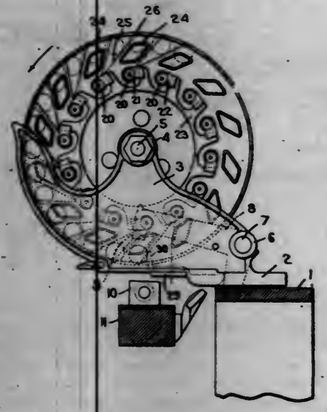
8. The combination with a disc wheel body provided with an integral rim engaging section having inboard and outboard rim supporting surfaces of substantially equal angularity and an intermediate surface of lesser angularity, of a rim seated on said section and having

bearing surfaces of corresponding angularity, said rim also having an inboard tire supporting surface of sub-



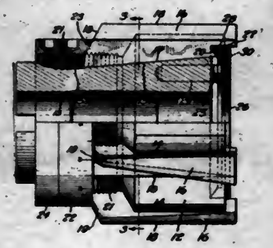
stantially the same angularity as said intermediate surface and an outboard tire supporting surface of equal but reversed angularity.

1,479,483. AUTOMATIC FILLING-REPLENISHING LOOM. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 16, 1923. Serial No. 619,498. 2 Claims. (Cl. 139—248.)



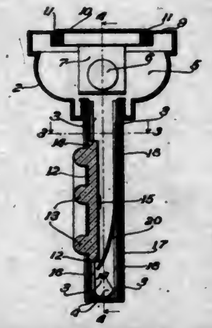
1. An automatic filling replenishing loom comprising a hopper stand, a hopper rotarily mounted in the stand, a circular series of seats at the interior of the hopper to receive and support the fresh filling carriers, a circular series of filling end holders on the exterior of the hopper, and separating positioning wings projecting from the hopper exterior, between the periphery and the circular series of end holders, and located to ensure that each run of filling from the hopper periphery to its end holder shall extend in the direction of rotation of the hopper and shall form a substantial angle with that radius of the hopper passing through the point where the run of filling crosses the hopper periphery whereby the filling end extending from the end holder after transfer of the corresponding filling carrier will be carried well forwardly out of the way.

1,479,484. REAMER. EDWARD C. SCHMELEKOPF, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed Nov. 13, 1922. Serial No. 600,771. 2 Claims. (Cl. 77—75.5.)



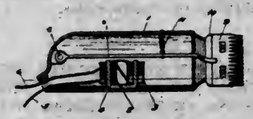
1. In a reaming tool, the combination with a body formed with longitudinal blade slots, of blades fitting said slots and formed with beveled end walls, each of said slots and its blade having contacting walls that are inclined lengthwise relatively to the axis of the body whereby endwise adjustments of the blades are accompanied by radial adjustments thereof, a ring threaded on said body and formed with a beveled inner side fitting and embracing the rear beveled end walls of said blades, and a transversely elastic disc clamp opposite and adjustably secured to the forward end wall of said body and having an inwardly directed peripheral flange formed with a beveled side fitting and embracing the forward beveled end walls of said blades.

1,479,485. ILLUMINATED SIGN. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to The Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 10, 1922. Serial No. 593,588. 4 Claims. (Cl. 40—133.)



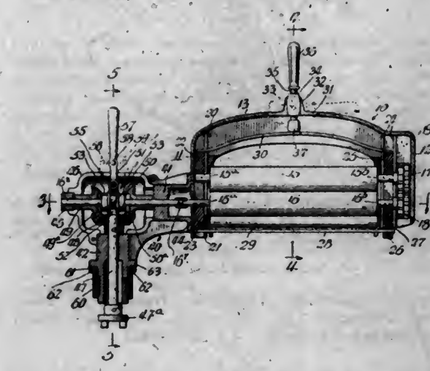
1. An illuminated sign comprising a narrow hollow body part having an open horizontal end and closed light tight at all of its other ends, a hollow ornamental molding entirely surrounding and connected to the open horizontal end of the body part the said molding forming a light chamber opening into the hollow body part throughout substantially the length of said body part, an electric lamp removably mounted in the light chamber having an opening therein adapted to give access to the lamp, a movable light tight closure for the said opening, an opaque stencil plate forming one wall of the body part, transparent sign characters mounted in said stencil plate, a reflector mounted in the body part spaced rearwardly from the stencil plate and substantially parallel thereto and adapted to divert the light rays outwardly through the sign characters, and parallel guides within the body part through which the stencil plate and the reflector are adapted to be withdrawn edgewise in the same direction.

1,479,486. ELECTRIC CLIPPER. LEO J. WAHL, Sterling, Ill. Filed Oct. 14, 1919. Serial No. 330,547. 2 Claims. (Cl. 175—338.)



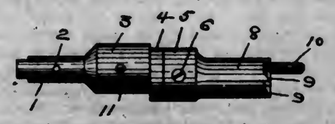
1. In a mechanism of the character described the combination of an alternating current electro-magnet, an armature for the electro-magnet, and vibrating at the rate of alternations of the operating current, and a mounting for the armature imparting thereto vibratory characteristics different from the alternations of the operating current to prevent overrunning.

1,479,487. CLOTHES WRINGER. SAMUEL T. WHITE, Davenport, Iowa, assignor to White Lily Manufacturing Company, Davenport, Iowa, a Corporation of Iowa. Filed June 26, 1922. Serial No. 570,889. 4 Claims. (Cl. 68—32.)



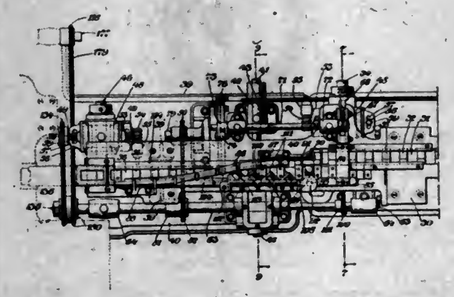
1. In a clothes wringer, the combination of a frame having a top member, wringer rolls mounted in said frame, a tension bar for imparting tension to the wringer rolls, a fulcrum block pivoted in fixed parts of said top member, a lever threaded through said block and having an arm adapted to engage said tension bar, said arm being adjustable in length, and means operable at the power arm end of said lever for adjusting the length of the first named arm.

1,479,488. ADJUSTABLE COUNTERBORER. LOUIS ZIDAKOVITS, Cleveland, Ohio. Filed Nov. 24, 1922. Serial No. 603,004. 3 Claims. (Cl. 77—58.)



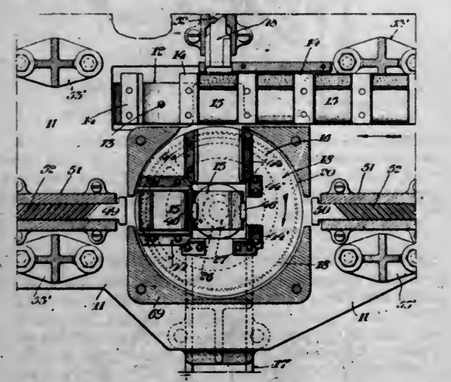
1. A counter borer comprising a shank adapted to be gripped by the jaws of a chuck, a pilot pin associated with and having the same center line as the shank, a sleeve surrounding the pilot pin and the outer surface having an eccentric relation thereto, a rotatable member mounted upon said sleeve and having an eccentric relation thereto and provided with a cutting edge, the eccentric relation of the sleeve pilot pin and rotatable member serving to permit the adjustment of the cutting edge for drilling holes of different sizes.

1,479,489. MACHINE FOR ASSEMBLING BOOK MATCHES. JOSEPH E. ZOMNIR, New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 8, 1922. Serial No. 580,551. 24 Claims. (Cl. 226—4.)



1. In a machine for assembling match books and the like, the combination with means for impelling a succession of flat-lying articles with their head portions primarily located adjacent to and longitudinally of one side of the path of travel, of means for bodily inverting the alternate articles during their travel and thereby positioning their head portions adjacent to and longitudinally of the opposite side of the said path.

1,479,490. MACHINE FOR ASSEMBLING BOOK MATCHES. JOSEPH E. ZOMNIR, Springfield, Mass., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1923. Serial No. 617,500. 9 Claims. (Cl. 226—7.)

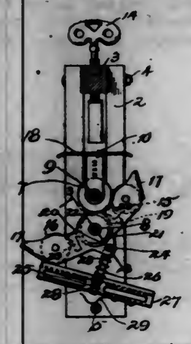


1. The combination with means for intermittently impelling a row of flat-lying articles with their head portions located at one side of the path of travel, of means for ejecting each succeeding article from the row, a rotary element having guides in angular relation to each other and having a central throat to which said guides lead, means for oscillating said element to position its guides alternately for the reception of the ejected articles, oppositely-acting means at the respective sides of the axis of oscillation of said element for shifting into the central throat the articles positioned in the respective guides, and means for depressing the articles through said throat and in flatwise position.

1,479,491. WRINGER. GUSTAF E. ANDRE, Chicago, Ill. Filed Apr. 2, 1921. Serial No. 457,878. 13 Claims. (Cl. 68—32.)

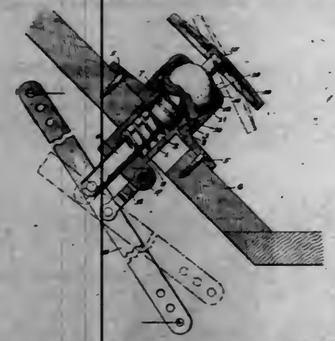
1. In a clothes wringer, the combination with the wringing rollers thereof; of two feeding rollers; and

a frame upon which said feeding rollers are mounted and itself adjustable to bring either feeding roller into



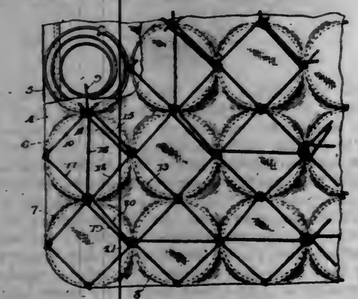
clothes gripping relation with a wringing roller and the other feeding roller out of cooperative relation.

1,479,492. ACCELERATOR FOR MOTOR VEHICLES. GEORGE BAILHE, Fort Wayne, Ind. Filed Jan. 16, 1923. Serial No. 612,978. 4 Claims. (Cl. 74—81.)



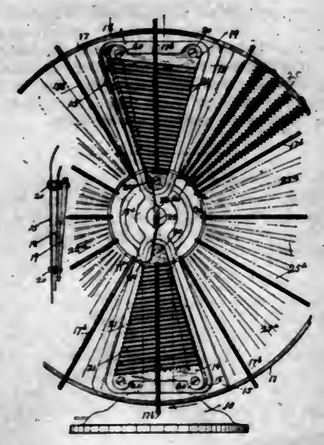
2. A foot-pedal, one end of which is a recessed ball.

1,479,493. MATTRESS OR THE LIKE. FRED W. BAUER, Milwaukee, Wis. Filed Jan. 19, 1921. Serial No. 438,478. 12 Claims. (Cl. 5—267.)



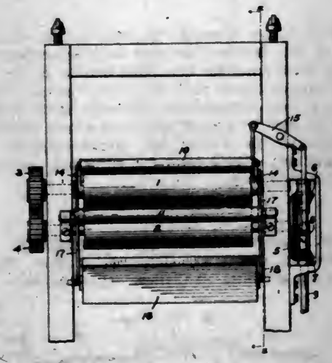
1. A resilient cushion comprising covering members, a series of rows of helical springs interposed between said covering members, a flexible member for each of the covers stitched thru the corresponding cover and knotted around a terminal convolution at a plurality of points, and a knot formed by said flexible securing means and around adjacent attached portions thereof to take up slack in the attached portions of said flexible securing means, said flexible securing means extending from said last mentioned knot to the next terminal convolutions thruout the entire series.

1,479,494. COMBINED ELECTRIC FAN AND HEATER. MICHAEL BECK, Minneapolis, Minn. Filed Dec. 10, 1920. Serial No. 429,770. 9 Claims. (Cl. 219—42.)



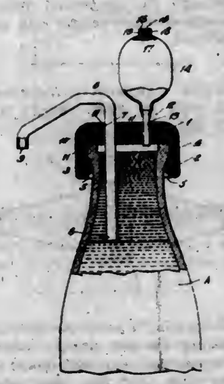
1. The combination with a motor-driven fan, of a heat-reflecting and an electrical heating element applied to a blade thereof.

1,479,495. CLOTHES WRINGER. HERBERT H. BRADFORD, Pittsburgh, Pa. Filed Feb. 16, 1922. Serial No. 536,885. 1 Claim. (Cl. 192—133.)



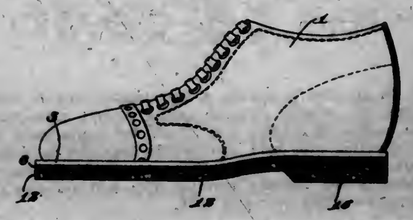
In a power-driven wringer the combination, with a pair of wringer rolls and means for rotating them alternately in opposite directions, of a safety attachment consisting of two pairs of guard rollers arranged pair by pair on opposite sides of the wringer rolls, above and below the roll-pass, the lower of each pair of guard rollers being borne in a fixed support and the upper in a movable support, and the movable rollers of the two pairs being integrated and movable in alternation to cooperating position with respect to its stationary companion, and means for shifting the movable guard rollers in coordination with reversal of the wringer rolls.

1,479,496. CREAM REMOVER FOR MILK BOTTLES. WALTER L. CONWELL, Upper Montclair, N. J. Filed July 20, 1922. Serial No. 576,233. 2 Claims. (Cl. 215—3.)



1. In a cream remover, a closure adapted to be engaged over the open end of a milk bottle to constitute a pressure closure therefor, a discharge tube passing through the cap with its intake end at approximately the line of division, between the cream and milk, and a device connected to the cap for creating pressure in the bottle and thereby causing ejection through the discharge tube of a quantity of the cream in the bottle.

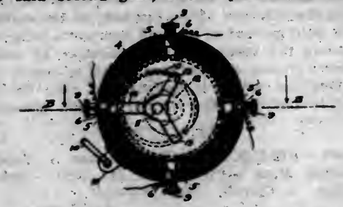
1,479,497. PROCESS OF ATTACHING RUBBER SOLES TO BOOTS AND SHOES. DAVID A. CUTLER, Atlantic, Mass. Filed Oct. 4, 1922. Serial No. 592,430. 1 Claim. (Cl. 36—14.)



The improved process of attaching to footwear two layers of unvulcanized rubber unified into a single outsole, which consists in providing two sole-like layers, each of less thickness than that or the combined outsole, first applying one layer to the footwear and securing the same thereto by mechanical fastenings, then partially dissolving either or both of the contacting surfaces of the layers to be united, and then applying and holding the outer layer to the surface of the mechanically attached layer, until the partially dissolved surfaces become unified, whereby a complete solidified outersole of unvulcanized rubber is produced, having the mechanical attachments concealed therein.

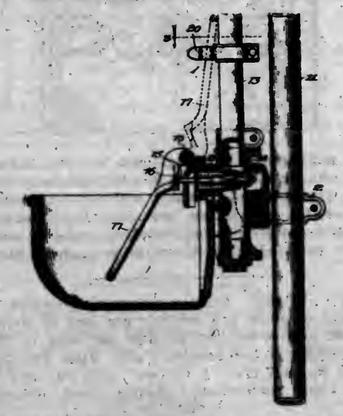
1,479,498. TIMER FOR ELECTRICAL CONTACTS. ISAAC S. DEMENT, Dayton, Ohio. Filed Apr. 7, 1919. Serial No. 288,136. 3 Claims. (Cl. 200—26.)

1. In a device of the character described, an internal gear, a plurality of contacts spaced about said gear and each comprising a pair of yieldable fingers, a second gear meshing with said internal gear and arranged eccentrically thereto, means for imparting bodily movement to said second gear, and a plurality of contact



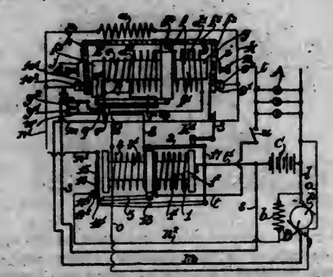
fingers rigidly connected with said second gear and arranged to engage the respective pairs of yieldable fingers as said second gear travels about said internal gear.

1,479,499. WATER BOWL. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Mar. 8, 1922. Serial No. 542,027. 2 Claims. (Cl. 119—75.)



1. In combination, a water bowl, a valve for supplying water thereto, an animal operated member extending into said bowl and hingedly mounted for operating said valve, said member being movable about its pivot to a non-operable position outside said bowl, and a spring clip for holding said member in said position.

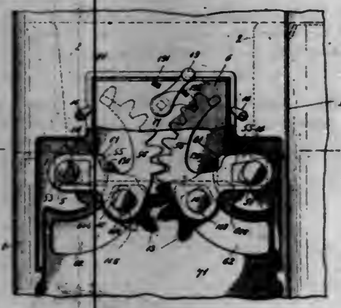
1,479,500. INSTALLATION FOR REGULATING AN ELECTRIC-CURRENT NETWORK SUPPLIED WITH CURRENT FROM A GENERATOR RUNNING AT VARIABLE SPEED. JEAN GMESLINGER, Carouge, near Geneva, Switzerland, assignor to James Thum, Geneva, Switzerland. Filed Oct. 4, 1922. Serial No. 592,198. 7 Claims (Cl. 171—313.)



1. In an installation for regulating the electric system supplied with current derived from a generator running at variable speed in combination two automatic and ad-

justable regulators of which one is being operated by the influence of the tension of said generator, and the other by the influence of the intensity of the current supplied by said generator, the said regulators being adapted to regulate the tension of the generator by connecting and disconnecting a resistance which is comon to both regulators and which is designed to vary the current flowing in the excitation circuit of said generator.

1,479,501. FIRE-BOX GRATE. OSSIAN A. HEDENGREN, Taunton, Mass. Filed Aug. 31, 1921. Serial No. 497,218. 4 Claims. (Cl. 126—177.)



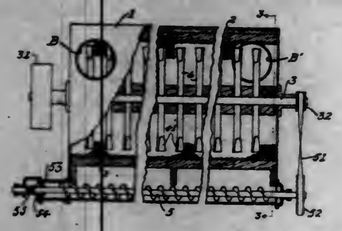
1. A rocking and dumping grate for fire boxes comprising suitable supports, two side bars pivotally mounted in said supports and provided with arms extending inward towards each other and with intermeshing segment gears, and grate bars pivotally mounted in said arms and also provided with intermeshing segment gears.

1,479,502. YEAST. GUSTAV HEFFELE, Riverside, Calif., assignor of seven and one-half per cent to Herman J. Theroff and seven and one-half per cent to William Levers, both of Los Angeles, Calif. Filed Feb. 5, 1923. Serial No. 617,177. 5 Claims. (Cl. 99—10.)

2. A yeast composition including yeast, onions, and starch.

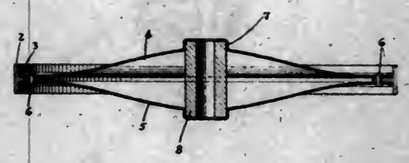
5. The process of forming a yeast composition which consists of mixing a dough of malt, water, and starch and allowing said dough to stand for spontaneous fermentation; boiling onions in water and adding the mixture to said dough and allowing the latter to stand for further fermentation; and boiling hops in water with the addition of salt and sugar and mixing said liquid with a starch and adding the resulting mixture to said dough.

1,479,503. COTTON CLEANER. NELSON B. HENRY, Atlanta, Ga., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Nov. 11, 1922. Serial No. 600,297. 2 Claims. (Cl. 19—90.)



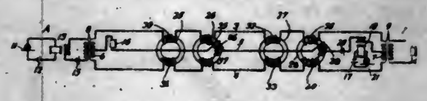
1. The cotton cleaner above described, made up of an air-tight casing; a screen chamber within the casing; beater arms mounted for rotation about the longitudinal axis of the screen chamber and casing; an air and cotton inlet opening, at one end, through the casing side wall to the interior of the screen chamber, directed tangentially to the circular path of the beater arms and in the direction of the rotation thereof; an air and cotton exit opening, at the other end from the interior of the screen chamber, through the casing side wall; a fan to create an air current through the tangential inlet opening and through the screen chamber to the exit, substantially as shown and described.

1,479,504. WHEEL. ARTHUR O. HUBBARD, Minneapolis, Minn. Filed Sept. 22, 1922. Serial No. 589,801. 2 Claims. (Cl. 301—63.)



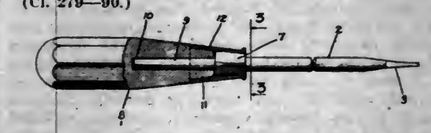
1. A wheel comprising a non-expansible rim having an inwardly projecting annular flange, sheet metal discs provided upon opposite sides of said flange and of slightly greater diameter than said rim, their edges when said discs are pressed into the rim being outwardly turned by such pressure adapting the discs to variations in the diameters of the rims, said discs being seated on said flange, the edges of the discs bearing snugly against the inner face of said rim and transmitting the load from the hub to said rim, means for clamping said discs and flange together and a suitable hub centrally mounted in said discs.

1,479,505. TRANSMISSION CIRCUITS. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1920. Serial No. 351,944. 11 Claims. (Cl. 178—45.)



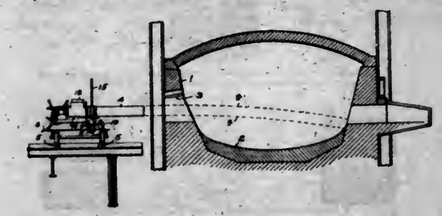
1. In an electric system, a transmission circuit comprising two outside branches and a central conducting path, means for loading said circuit for transmission in one direction over said two outside branches in series relation, and means for loading said circuit for transmission in the opposite direction over said branches in parallel returning over said path.

1,479,506. SCREW DRIVER. HENRY FRANCIS KELLEMEN, Duluth, Minn., assignor to Marshall-Wells Company, Duluth, Minn., a Corporation of New Jersey. Filed Jan. 7, 1922. Serial No. 527,720. 2 Claims. (Cl. 279—90.)



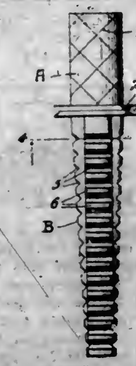
1. A tool comprising a shank, having a block thereon forming a shoulder surrounding the shank, said block being rectangular in cross-section, and having tapered external bearing surfaces, said shank extending beyond said block, and a handle having a socket to receive said shank, the end of said handle engaging said block and limiting the movement of said shank into said socket, the end of said handle being rectangular in cross-section and having tapered bearing surfaces forming continuations of the surfaces of said block, and a tapered ferrule having internal faces to fit the surfaces of said block and bearing.

1,479,507. FURNACE CHARGING. ROBERT B. KERNOHAN and MORGAN W. HALL, Pittsburgh, Pa. Filed Nov. 8, 1922. Serial No. 599,647. 4 Claims. (Cl. 266—43.)



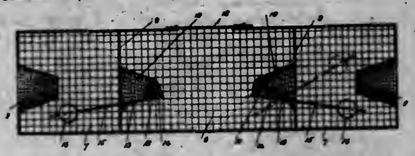
1. The method herein described of replenishing a furnace lining which consists in projecting lining material across the furnace chamber in aggregated units inaccessible to the stream of gas through which they are projected.

1,479,508. POST FOR ARTIFICIAL TEETH. FREDERICK MAEULEN, Rahway, and GEORGE L. VAN ALLEN, Newark, N. J., assignors to Baker & Company, Inc., a Corporation of New Jersey. Filed Oct. 8, 1921. Serial No. 506,283. 7 Claims. (Cl. 32—9.)



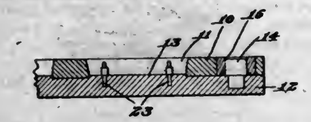
1. A post for artificial teeth having a plurality of radially projecting longitudinal ribs forming longitudinal grooves between them, certain of said ribs being formed with transverse grooves communicating with the adjacent longitudinal grooves between said ribs, whereby the cement in all of transverse grooves is joined with the cement in adjacent ones of said longitudinal grooves when the post is cemented in a root.

1,479,509. ANIMAL TRAP. ROY J. MEYER, Lenora, Kans. Filed Dec. 28, 1921. Serial No. 525,426. 2 Claims. (Cl. 43—66.)



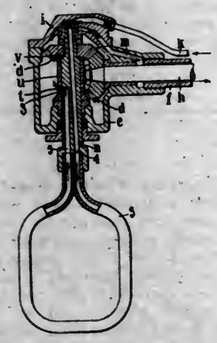
1. In a trap, a single, rigid and continuous body portion formed of wire work and provided with two transverse partitions which divided it into a single main chamber and two ante-chambers, the said main chamber being adapted to contain the bait and to receive animals from both ante-chambers and being provided with a door for the removal of the animals, conical inlet members which project within the ante-chambers from the opposite ends of the said body portion and converging inlet members provided with automatically-closing outlet doors, said inlet members being secured to the said partitions and projecting within the said main chamber.

1,479,510. COMBINED DIE AND MOLD. WILLIAM H. MORGAN and JOHAN FREDRIK BRUNSELL, Dorchester, Boston, Mass. Filed Sept. 20, 1922. Serial No. 589,483. 1 Claim. (Cl. 18—42.)



An improved combined die and mold comprising a bottom plate, an upstanding member formed integral therewith and of any desired shape, an intermediate member provided with a mold cavity of a shape and size similar to the upstanding member on the bottom plate and registering with said btotom plate to define a mold of suitable depth, a top plate cooperating with the intermediate plate and provided with a downwardly extending member formed integral therewith and of a size and shape similar to the upper edge of the mold cavity in the middle plate, the downwardly extending member movable toward the bottom plate to compress molded or moldable material held in the mold cavity in the middle plate and to cause a flow of excess material outwardly therefrom, the edge of such downwardly extending portion cooperating with the upper edge of the mold cavity in the middle plate to cut or shear excess material from the molded or moldable material as the members are brought into association with each other.

1,479,511. MEANS FOR STIRRING GLASS. CHARLES ALGERNON PARSONS, Newcastle-on-Tyne, England. Filed Oct. 17, 1922. Serial No. 595,129. 4 Claims. (Cl. 49—14.)



1. For use in the manufacture of glass, a stirrer with means for giving thereto a rotary motion about its own axis and an orbital movement, substantially as and for the purposes described.

1,479,512. STAPLING TOOL. GEORGE W. PERKINS, Boston, Mass., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass., a Corporation of Maine. Filed Jan. 17, 1922. Serial No. 529,909. 1 Claim. (Cl. 1—50.)

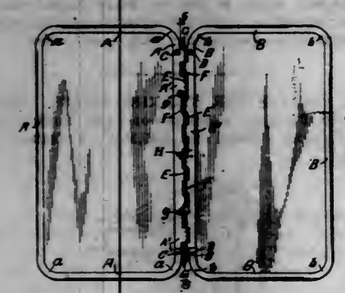
A hand stapling tool consisting of two jaw-members pivotally connected together, one of said jaws being provided with an anvil which has two depressed portions with an intermediate rib for clinching the staple, the other of said jaws being provided with a cooperating

staple driving member formed with two parallel apertures, a U-shaped staple holder having two parallel legs which pass loosely through the apertures in said driver, said legs having longitudinal grooves to hold a staple, said driving member being formed with a transverse groove in its lower end intermediate the legs of the staple holder, the portions of the driving member on



the opposite sides of the transverse groove engaging the head of the staple to drive the legs of the staple through the material to which the article is to be attached when he jaws are brought together, and a spring which engages the staple holder and normally causes the lower end of the legs to project below the driver to clamp the said material to the anvil during the driving of the staple.

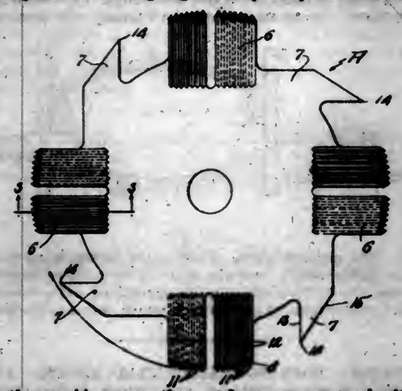
1,479,513. HOLDER FOR MENUS AND BILLS OF FARE. ADOLPH B. RANIG, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 583,191. 2 Claims. (Cl. 129—26.)



2. A holder consisting of covers hinged together, said holder comprising a spring member mounted on the pintle of the hinge and arranged to tend to open the covers from a closed position, and each of said covers comprising a plurality of frame members U-shaped in cross section, one thereof extending around three sides of a rectangle and portions of the remaining side, and having round corners thereto, and the other of said frame members having interlocking parts arranged to permit a pintle to pass therethrough and through said spring, in combination with a wire arranged to form said pintle, and projections on said wire adapted to extend through a menu contained in said holder.

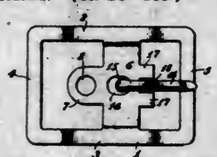
1,479,514. GROOVER SAW. ALFRED M. REMINGTON, Fitchburg, Mass., assignor, by mesne assignments, to Simonds Saw and Steel Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Sept. 19, 1922. Serial No. 589,184. 5 Claims. (Cl. 144—222.)

1. A groover saw comprising a blade having integral cutters disposed in the planes of the faces of the blade respectively to mark the outside dimensions of the groove to be made, said cutters tapering arcuately from the the cutting edges thereof to the full width of the blade, the curving sides of said cutters being ridged transversely as respects the cutting edge to rasp away the wood dur-



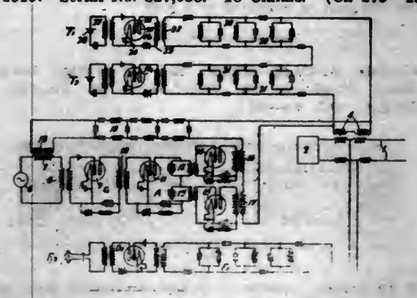
ing the marking operation, and means arranged alternately with said cutters along said blade to rake the material between the marks made by said cutters.

1,479,515. TONGUE BUCKLE. THEODORE RUSSELL, Naugatuck, Conn. Filed Nov. 6, 1922. Serial No. 599,262. 2 Claims. (Cl. 24—188.)



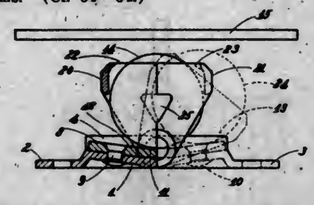
1. A buckle comprising a frame, a crosspiece integral therewith between the ends of the frame, said crosspiece having a perforated ear at one side to receive means for securing the buckle to a strap, and a tongue secured to said crosspiece, said tongue and perforated ear being in alinement in order to maintain said buckle in alinement with said strap, and means on the opposite side of said crosspiece from said ear for engaging the tongue to prevent lateral displacement thereof.

1,479,516. SIGNALING BY HIGH-FREQUENCY WAVES. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,038. 18 Claims. (Cl. 179—15.)



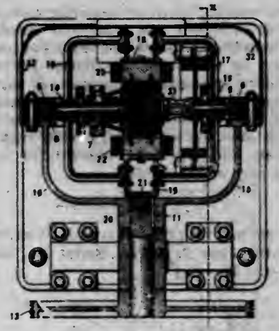
16. A common transmission path, a plurality of channels each adapted to transmit currents of different frequency from those transmitted by the other channels, and a separate band filter connecting each channel to said path, the terminations of said filters electrically adjacent said path being connected in series.

1,479,517. ROLLER SIDE BEARING. ARTHUR B. SEVERN, Pittsburgh, Pa., assignor to A. Stucki, Pittsburgh, Pa. Filed Oct. 2, 1922. Serial No. 591,721. 4 Claims. (Cl. 64—64.)



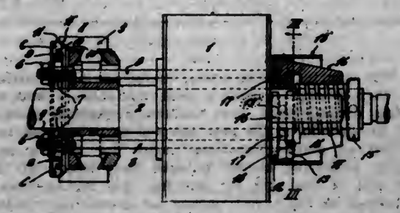
3. A side bearing for railway cars comprising a supporting base provided with a lower bearng surface upstanding flanges adjacent said bearing surface, trunnions projecting from the said flanges, an oscillating retaining frame pivoted to said trunnions, the distace between the transverse bars of said frame being less than the diameter of said roller.

1,479,518. ELEVATOR. EDWARD A. SMITH, West Englewood, N. J. Filed Oct. 11, 1921. Serial No. 507,002. 9 Claims. (Cl. 74—7.)



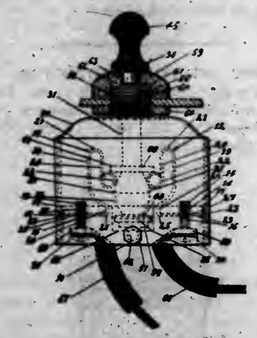
1. In an electric elevator, a stationary post, an electric motor having its frame fixed to said post and thereby held stationary, said motor having drive pinions at the opposite ends of its armature shaft, ring gears spaced in opposed relation and engaged respectively by the pinions on the opposite ends of the motor shaft and an elevator sheave directly connected with and operated by said ring gears.

1,479,519. SHORT-CIRCUITING DEVICE FOR ELECTRIC MOTORS. JOSEPH C. STEINER, St. Louis, Mo. Filed June 3, 1921. Serial No. 474,709. 5 Claims. (Cl. 172—279.)



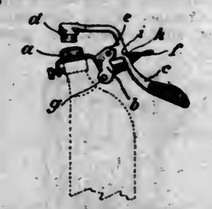
2. A motor having a commutator including contact members, and a short-circuiting device comprising a rotary holder movable with said commutator, short-circuiting contact members carried by said rotary holder, said short-circuiting contact members having on their peripheral edges initial contact faces slidable on the first mentioned contact members and final contact faces on their side edges adapted to be engaged subsequent to said initial contact faces, and speed-responsive means for shifting said rotary holder to successively engage said initial and final contact faces with the first mentioned contact members, said short-circuiting contact members being movable toward and away from the axis of said rotary holder so as to slide on the first mentioned contact members, and said holder being movable in a direction parallel with said axis to engage said final contact faces, said initial contact faces being at an angle to said final contact faces.

1,479,520. ELECTRIC SWITCH. JOSEPH A. TERBECK, Cincinnati, Ohio. Filed Feb. 21, 1921. Serial No. 446,587. 4 Claims. (Cl. 200—163.)



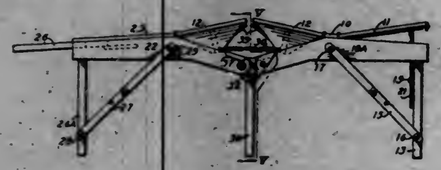
1. In an electric switch, a plurality of resilient conducting contacts, a stem, an insulating member on said stem adapted to be interposed between said contacts, a conducting member on said stem adapted to establish electrical connection between said resilient contacts and said insulating member and said conducting member together forming a reversible spheroid for the purposes set forth herein.

1,479,521. AUTOMATICALLY-OPERATING LEVER LOCK FOR ETHYL-CHLORIDE FLASKS OR TUBES. JULIUS THILO and MARTIN GRUBUSCH, Mainz, Germany, assignors to the Firm Dr. Thilo & Co., Mainz, Germany. Filed Apr. 28, 1923. Serial No. 635,398. 3 Claims. (Cl. 215—63.)



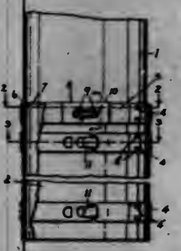
1. An automatically operating lever lock for ethyl chloride containers, comprising a head arranged for fixture to the neck of a container and having a restricted outlet for the container, whereby the contents are ejected in a jet, an action lever pivotally mounted on the head and having a lock cap to close against the head and close the outlet when the action lever is in closed position and means coacting with said lever to cause the latter to hold said cap in spaced relation to said head and opposite the outlet thereof when the said lever is in open position and thereby cause the ethyl chloride jet from the container to strike in the cap and fall therefrom in drops.

1,479,522. CHIROPRACTIC TABLE. OLE H. THORFINNSSON, Baltimore, Md. Filed Apr. 4, 1922. Serial No. 549,405. 9 Claims. (Cl. 128—73.)



1. The table whose top includes two rigid portions and two elastically supported portions, the latter being hinged to the said rigid portions, respectively, and elastic means extending from one to the other of these elastically supported portions and engaging with them in such manner that each exerts an upward pressure which is equal to that of the other.

1,479,523. POST AND POLE PROTECTOR. MONTGOMERY C. TOWNLEY, Jackson, Mich.; the Peoples National Bank executor of said Montgomery C. Townley, deceased. Filed Dec. 26, 1922. Serial No. 608,926. 7 Claims. (Cl. 20—100.)



7. In a post protector, the combination with a post, of a sheet metal casing wrapped around said post, a clamping band embracing the casing, and having an inwardly projecting flange at its upper edge engaging the post above the casing providing a cap therefor, and means for applying clamping stress to said band whereby the edge of its flange is engaged with the post under clamping stress.

1,479,524. GALVANOMETER. WALTER VAN GUILDER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 26, 1921. Serial No. 495,617. 4 Claims. (Cl. 171—95.)



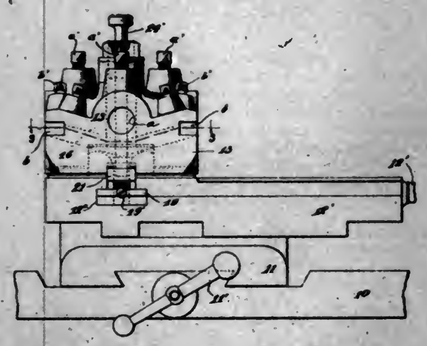
1. In combination with the permanent magnet and biased coil of a galvanometer, an electromagnet, whose coil is in circuit with the galvanometer coil and whose magnetized core is positioned with respect to the galvanometer coil and magnet poles for deflecting the flux of the permanent magnet out of the path for influencing the galvanometer coil, whereby variations of voltage of the current are compensated and prevented from affecting the galvanometer reading.

1,479,525. FABRIC-RUBBING MACHINE. WILLIAM H. WHITEHEAD and THOMAS W. KENYON, Paterson, N. J. Filed Feb. 15, 1923. Serial No. 619,285. 5 Claims. (Cl. 26—2.)



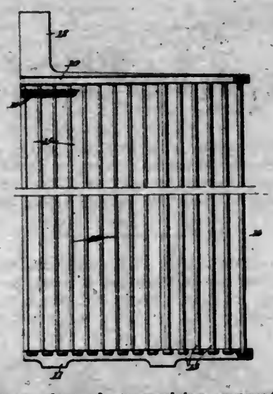
1. A fabric rubbing machine including means for holding the fabric stretched and a movable rubber confined to move in substantial parallelism with the plane of the stretched part of the fabric, the rubber having rubbing blades extending crosswise of the path of movement of the rubber and projecting toward and arranged on opposite sides of the stretched part of the fabric with each blade on one side out of registry with each blade on the other side and coacting therewith to maintain a bend in said part of the fabric.

1,479,526. TOOL TURRET. JULIUS C. WILKIE, Winona, Minn. Filed June 7, 1922. Serial No. 566,653. 6 Claims. (Cl. 29—48.)



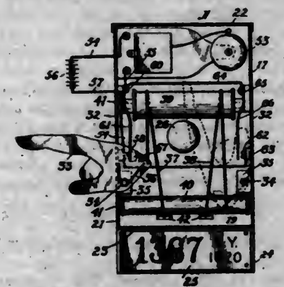
1. The combination of a tool turret having a vertical bore therethrough, a hollow post mounted in and extending through said bore, means projecting radially from the bottom of the post adapted to be entered into the slot of a tool carriage, means for locking said radially projecting means in said slot, means at the other end of the post for drawing said means toward the bottom of the turret, means for preventing relative rotation between the turret and said projecting means, said locking means comprising a key slidably mounted on said post and adapted to enter a slot in the bottom of the turret, and a stem in said post for displacing said key.

1,479,527. BATTERY ELECTRODE. HARLAND D. WILSON, Indianapolis, Ind., assignor to The Prest-O-Lite Co., Inc., Indianapolis, Ind., a Corporation of New York. Filed Mar. 20, 1923. Serial No. 626,387. 10 Claims. (Cl. 204—29.)



1. A battery electrode comprising supporting means and a plurality of elements of polygonal cross-section, each of said elements having two adjacent faces which lie at different angles to the central plane of the electrode and which meet in an edge which provides a rib at the face of the electrode.

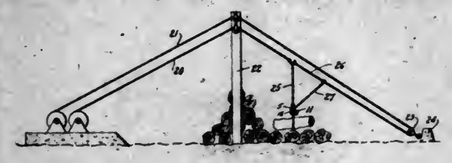
1,479,528. DIRECTION INDICATOR FOR VEHICLES. WELLINGTON WILSON, Brooklyn, N. Y. Filed Apr. 23, 1920. Serial No. 376,040. 4 Claims. (Cl. 116—47.)



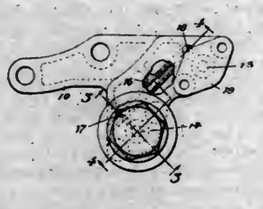
1. In a direction indicator for vehicles, a casing including side walls having longitudinally extending slots formed therein, and a rear wall having spaced transversely extending aligned slots formed therein below the longitudinally extending slots, a pair of indicating pointers pivotally mounted within the casing at their lower ends and arranged to extend through the longitudinally extending slots and out of the casing when in their lowered positions, means for normally holding the pointers in their raised position in said casing, a single guide roller disposed in the casing above the pivot points of the pointers, a single guide roller disposed in the casing below the pivot points of the pointers and adjacent to the transversely extending slots, and flexible cables secured to the pointers at one side of the pivot points thereof and strained about the said guide rollers and extended through said transverse slots.

1,479,529. TRIP HOOK. CHARLES WILLIAM ANDERSON, Anacortes, Wash. Filed July 5, 1922. Serial No. 572,937. 3 Claims. (Cl. 294—83.)

1. A trip hook comprising a shank having a bill, a trip member including a plurality of radiating arms rotatably mounted on the bill, one of said arms being arranged to form a part of the bill, an adjacent arm being arranged to close the bill with respect to the shank, and means engaged with the last mentioned arm for rotating the trip member relative to the bill and shank.

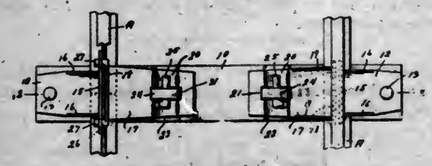


1,479,530. LUBRICATOR. HENRY F. BICKEL, Plainfield, N. J., and BLYTHE J. MINNIS, Watertown, N. Y., assignors to The New York Air Brake Company, a Corporation of New York. Filed May 8, 1922. Serial No. 559,392. 3 Claims. (Cl. 184—58.)



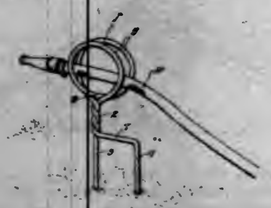
3. The combination of a plurality of cylinders having corresponding working spaces in each of which fluctuations of fluid pressure occur; a plurality of lubricators, one for each cylinder, each lubricator having an oil reservoir, a jacket surrounding said reservoir, a mounting seat and separate ports extending from said seat to said reservoir and to said jacket respectively; a bracket having seats for supporting and connecting respective lubricators and formed with oil ports each registering with the reservoir port of a corresponding lubricator, and a manifold port registering with the jacket ports of the various lubricators; and connections from respective working spaces to the corresponding oil ports in the bracket and from one working space to the manifold port in the bracket.

1,479,531. TIE FOR MINE TRACKS. EDWARD A. BOOHER, West Austintown, Ohio. Filed July 28, 1923. Serial No. 654,390. 4 Claims. (Cl. 238—61.)



1. A metallic tie of the character described having downwardly extending side flanges, the face of the tie at a distance from an end being provided with a transversely depressed portion and an upstanding eye beneath which the depressed portion extends, a rail clamping member attached to the end of the tie and having a vertical portion adapted to bear against the web of a rail, a clamping member including a vertical portion adapted to confront the vertical portion of the first named clamp and having a base adapted to rest upon the tie, this base having a transversely depressed portion, a slot intersecting said depressed portion and adapted to receive the eye, and a locking member adapted to pass across said depressed portion of the clamping member and beneath said eye.

1,479,532. HOSE HOLDER. EDWARD COLEMAN, Salt Lake City, Utah. Filed July 13, 1922. Serial No. 574,674. 2 Claims. (Cl. 248—38).



1. A hose holder formed from a single length of resilient wire bent between its ends to provide companion members constituting a clamping head and occupying approximately parallel planes, a portion of the wire extending diagonally between the lower portions of the said members and constituting a continuation of said portions common to the two, the strands of the wire being united to each other from a point immediately below the said portion and a short distance of their length to provide a relatively short shank, one strand of the wire being extended downwardly from the lower end of the shank in alinement therewith to form a relatively long prong, the other strand of the wire being bent to extend laterally from the lower end of the said shank and thence substantially parallel to the first-mentioned prong to provide a shorter prong laterally displaced with relation to the first-mentioned prong.

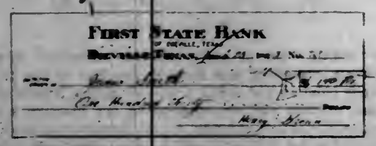
1,479,533. INK PASTE. FRANK B. COONEY, Minneapolis, Minn. Filed June 9, 1922. Serial No. 567,168. 8 Claims. (Cl. 134—8.)

8. That method of compounding an ink in paste form, which consists of the mixing of 2 ounces of cold water and 1 ounce of white potato dextrin, heating the same slowly to a temperature of 172° F., thoroughly mixing the same, permitting the mixture to cool to approximately 85° F., at which temperature the following ingredients and their respective proportions are separately added and mixed:—

Gallic acid	336 grains.
Ferrous sulphate	252 grains.
Hydrochloric acid	130 minims.
Carbolic acid	1½ drachms.
Glycerine	2 drachms.
Indigotin	68 grains.

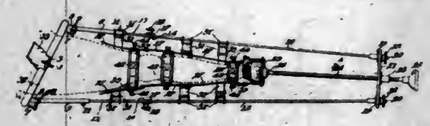
permitting the resultant composition to be thoroughly heated to 95° F., and permitting the mixture to stand twenty-four hours.

1,479,534. CHECK. VAN VINCENT CURTIS, McAllen, Tex. Filed Apr. 6, 1923. Serial No. 630,313. 1 Claim. (Cl. 283—9.)



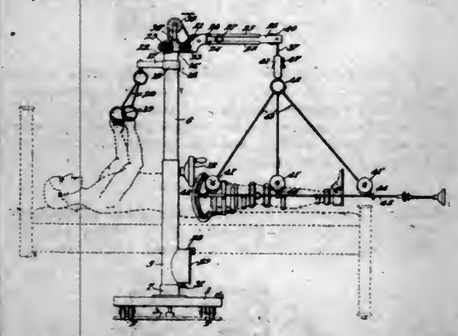
In a check, a body portion having an integral section formed of relatively thin material, a transparent protecting strip having connection with the body portion at one end of the protecting slip, said protecting slip having its under surface formed with adhesive material to secure the protecting strip to the relatively thin section of the check, and said protecting strip being formed of transparent material.

1,479,535. FRACTURE-SETTING APPARATUS AND SPLINT. SALVATORE FERRAGAMO, Santa Barbara, Calif. Filed Nov. 3, 1921. Serial No. 512,611. 28 Claims. (Cl. 128—85.)



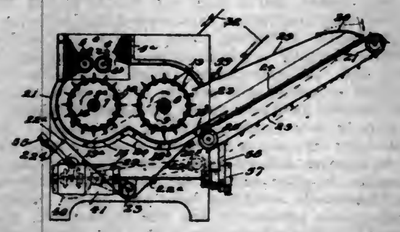
9. Fracture setting apparatus comprising a stretching frame, connected elements forming a limb frame, limb gripping bands carried by said elements, and means connecting said limb frame and said stretching frame.

1,479,536. APPARATUS FOR SUPPORTING INJURED LIMBS. SALVATORE FERRAGAMO, Santa Barbara, Calif. Filed Nov. 3, 1921. Serial No. 512,612. 6 Claims. (Cl. 128—94.)



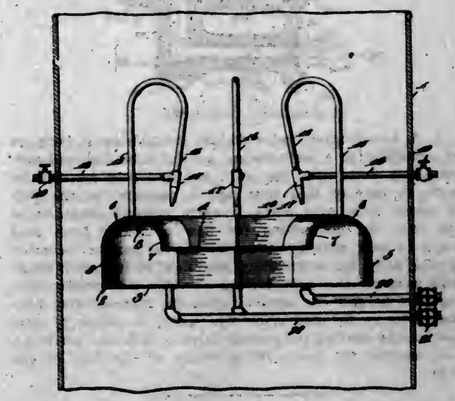
1. An apparatus of the class described comprising a standard, means including a lateral arm for supporting a limb of a patient from said standard, a second lateral arm loosely pivoted on said standard and a hand grip carried by said arm, said second arm being freely movable to position said hand grip within reach of the patient.

1,479,537. COTTON BREAKER AND SEPARATOR. JAMES C. GARNER, Houston, Tex., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex., a Corporation of Texas. Filed Feb. 3, 1920, Serial No. 355,930. Renewed Apr. 21, 1923. 2 Claims. (Cl. 19—87.)



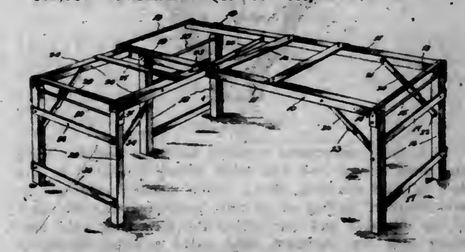
2. In a mechanism for breaking and opening up compacted masses of cotton, the combination of variably speeded feed rolls adapted to grip, advance and temporarily hold such masses, a parti-cylindrical screen below the rolls, a hollow drum on an axis immediately below the gripping rolls and having a closed peripheral wall of long radius adjacent and parallel to said screen, and breaking and tearing teeth secured to said wall and crossing the space between the wall and the screen, a second drum having a closed peripheral wall and teeth similar to those aforesaid and adapted to move rapidly downward on lines adjacent the first drum, a second curved screen below the second drum, an elongated duct extending outward from the second drum, an apron conveyor at the bottom of said duct, and means for checking the cotton elevated by the said conveyor.

1,479,538. OIL BURNER. LEO E. HEROD, East Chicago, Ind. Filed Feb. 24, 1923. Serial No. 621,014. 4 Claims. (Cl. 158—66.)



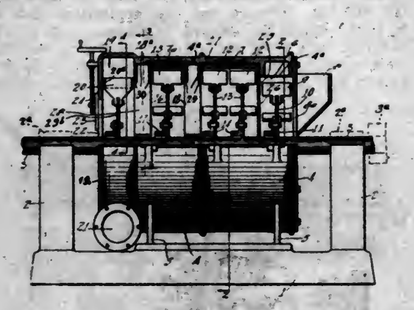
1. In a device of the class described, a drum comprising a bottom, a top, a side wall connected to the bottom and provided with an inwardly extended crown having a depending flange which is joined to the top, the crown and the flange forming a gas pocket within the drum, the pocket extending upwardly above the plane of the top, the flange and the top forming a recess, means for supplying fuel to the drum, and upwardly extended gas conduits carried by the crown and communicating with the pocket, the conduits having depending portions provided with burner nozzles discharging into the recess.

1,479,539. FOLDING WASHBENCH. AARON C. HINES, Tucumcari, N. Mex. Filed Dec. 1, 1922. Serial No. 604,363. 3 Claims. (Cl. 68—35.)



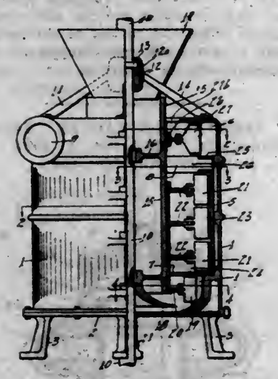
1. A bench for wash tubs comprising a main frame, end supports for the frame and hinged braces between the main frame and the supports permitting the folding of the latter under the main frame, an auxiliary frame having hinged connection with the upper side of the main frame, a hinged support at the end of the auxiliary frame and folding braces between the auxiliary frame and the hinged support, said frames including side runners and slats connecting said runners, holding the latter in parallel spaced relation, said slats being spaced to form a base for a tub and permitting the housing of the auxiliary frame between them when said auxiliary frame is folded over the top of the main frame.

1,479,540. PULVERIZER. PAUL ARTHUR HIRSCH, Erie, Pa., assignor to Furnace Engineering Company, New York, N. Y., a Corporation of New York. Filed July 3, 1922. Serial No. 572,531. 26 Claims. (Cl. 83—11.)



1. In a pulverizer, the combination of a pulverizer chamber having an axial discharge from the chamber; rotary heaters in the chamber; and wide thin vanes arranged for obstructing a rotary movement of the material during its discharge from the chamber without at the same time materially increasing the axial speed of flow.

1,479,541. PULVERIZER. PAUL ARTHUR HIRSCH, Erie, Pa., assignor to Furnace Engineering Company, New York, N. Y., a Corporation of New York. Filed July 3, 1922. Serial No. 572,532. 16 Claims. (Cl. 83—11.)

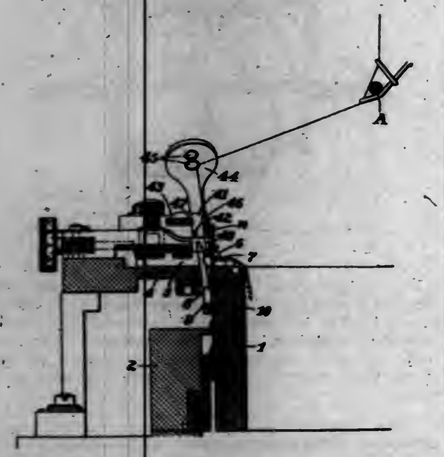


1. In a pulverizer, the combination of a vertical pulverizer chamber; rotating beaters in said chamber having a vertical axis; and a delivery tube within the beaters extending from the top of the chamber and delivering the material to the beaters at the bottom of the chamber; and whirl-obstructing vanes above said beaters, extending substantially horizontally across the annular space between the chamber casing and the delivery tube.

1,479,542. PROCESS FOR RECOVERY OF METALS FROM THEIR ORES. WILHELM HIRSCHKIND, Los Angeles, Calif., assignor of one-half to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 2, 1922. Serial No. 540,565. 5 Claims. (Cl. 75—185.)

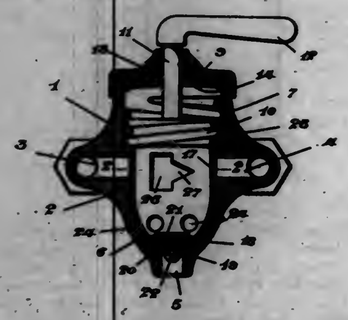
1. The process which consists in precipitating gold, silver or other metal from cyanide solution thereof by adding to such solution sodium hydrosulfite.

1,479,543. YARN-FEEDING MEANS FOR KNITTING MACHINES. KENNETH HOWIE, Norristown, and WILLIAM O. TAYLOR, Limerick, Pa., assignors to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Feb. 21, 1920, Serial No. 360,440. Divided and this application filed Aug. 8, 1921. Serial No. 490,648. 8 Claims. (Cl. 66—12.)



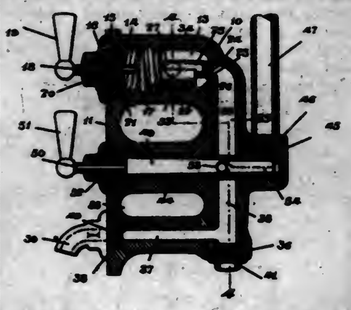
1. In combination in a knitting machine, needles, cams for operating the needles, a yarn guide pivotally supported and having a portion extending in front of the needles, and in a direction, from its pivot, along the needle row, and an upper portion extending upwardly and having its upper end turned to overhang the lower portion with a yarn guide eye through the said turned portion, substantially as described.

1,479,544. COMBINATION FAUCET. JACOB T. JOHNSON, Atlanta, Ga. Filed Oct. 1, 1921. Serial No. 504,584. 4 Claims. (Cl. 251—106.)



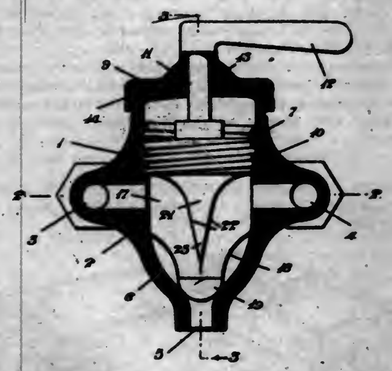
1. A faucet comprising a casing having a chamber, a pair of inlet passages leading to said chamber, and a valve seat and discharge outlet at one end of said chamber, and a valve member movable rotatably and longitudinally within said chamber including a shell fitting the wall of said chamber and having inlet openings to register with said passages for controlling the flow from either or both passages into the shell, said shell having a portion to bear on said seat over the outlet and having apertures surrounding said portion for the flow from within the shell to the space between the shell and seat when the valve member is moved away from said seat.

1,479,545. COMBINATION VALVE FIXTURE. JACOB T. JOHNSON, Atlanta, Ga. Filed Nov. 25, 1921. Serial No. 517,553. 6 Claims. (Cl. 277—18.)



1. A combination valve fixture comprising a body to be embedded in a wall having a face to be disposed substantially flush with the wall, hot and cold water inlet ports in rear of said face, and a passage for the flow of water from said ports, a valve member mounted in the body for controlling the flow of water from said ports to said passage, a second valve member mounted in the body for controlling the flow of water through said passage, the body having portions for making connections beyond the second valve, the second valve having passages for delivering the water to either of said portions by moving the second valve to different positions, and handles for the valve members at the face of the body.

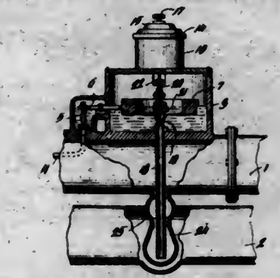
1,479,546. COMBINATION FAUCET. JACOB T. JOHNSON, Atlanta, Ga. Filed Jan. 4, 1922. Serial No. 526,942. 4 Claims. (Cl. 251—106.)



1. A valve comprising a casing having a chamber with an outlet at one end and inlet passages leading to the wall of said chamber, and a valve member rotatable in said chamber having an arcuate portion fitting the wall of the chamber and controlling the flow from said passages into the chamber, said valve member having a baffle opposite to said arcuate portion fitting snugly against said wall to prevent the head-on collision of the streams entering said chamber from said passages and for directing said streams toward the outlet before they meet.

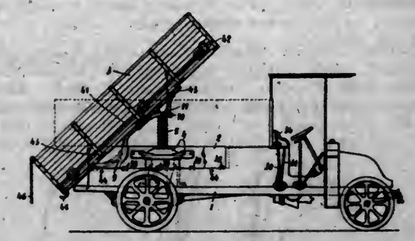
1,479,547. CARBURETOR. ROBERT W. KAMRAK, Highmore, S. Dak. Filed Apr. 6, 1920. Serial No. 371,580. 2 Claims. (Cl. 123—122.)

1. The combination with an exhaust and an intake manifold disposed one above the other in vertical alignment, of a carburetor including a fuel chamber, means for controlling the flow of fuel into the chamber, means connecting the chamber with one side of the intake manifold, an enlarged heating chamber disposed in the exhaust manifold and communicating with the intake manifold at a point adjacent the means connecting the



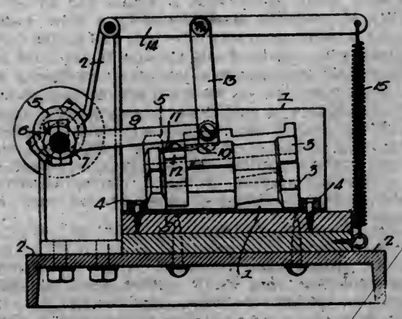
fuel chamber with the intake manifold, a supply tube leading from the fuel chamber through the intake manifold and into the heating chamber, and valve means for controlling the flow of fuel from the fuel chamber into said heating chamber through said pipe.

1,479,548. DUMPING VEHICLE. EUGÈNE KLIFOUSS, Paris, France. Filed Feb. 9, 1921. Serial No. 443,546. 4 Claims. (Cl. 298—21.)



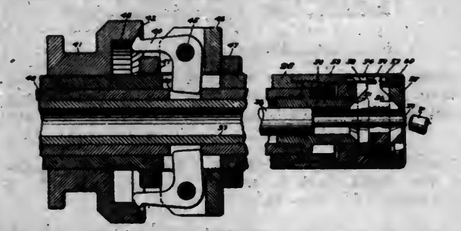
1. In a dumping vehicle, the combination with a chassis, a frame capable of rotating horizontally on said chassis, and a body pivoted in said frame; of a lifting screw on the chassis, a curvilinear guide on said body having sliding bearing on the end of said screw, motor-operated mechanism mounted on said chassis and means on said frame actuated by said motor mechanism, to either rotate said frame and body or to operate said screw.

1,479,549. MACHINE FOR FITTING TURBINE BLADES. FERDINAND H. KLOIDT, Collingswood, N. J. Filed Aug. 4, 1921. Serial No. 489,730. 4 Claims. (Cl. 51—26.)



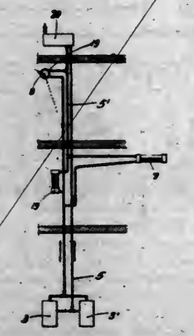
1. In a machine of the type specified, the combination with a support adapted to hold a pair of turbine bladea in the same contacting relation assumed in the assembled rotor, said support comprising a pair of flat parallel guide plates between which the blades neatly fit, means for holding one of the blades fixed, and mechanism for longitudinally reciprocating the other blade over the surface of the fixed blade.

1,479,550. CHUCK FOR TAPER PINS AND THE LIKE. MARX C. KRISTEK, Worcester, Mass. Filed Mar. 5, 1921. Serial No. 450,017. 3 Claims. (Cl. 279—57.)



1. In a machine of the character described, the combination of a constantly rotating external hollow shaft, an inner hollow shaft having a fixed head thereon provided with an internal slanting surface at its end, a series of independent jaws held in the end of the first named shaft and arranged around it, said first named shaft having surfaces engaging the outer walls of said jaws, the inner inclined walls of said jaws engaging said internal slanting surface, each jaw having a notch, a flat spring supported by the external shaft loosely engaging in each notch to force its jaw outwardly with a yielding action, and coil springs supported by the external hollow shaft beyond the jaws for engaging them at points opposite the flat springs to hold the jaws against the flat springs.

1,479,551. COOLING INSTALLATION. GEORGES LABOLLE, Paris, France. Filed May 31, 1922. Serial No. 565,003. 6 Claims. (Cl. 62—101.)



1. A temperature exchanging system including an upper and lower tank, a pipe for conveying a temperature changing medium from the lower tank to the upper tank, a second pipe for conveying the medium from the upper tank to the lower tank, temperature exchangers associated with one of said pipes, a pump for circulating the medium through said pipes, and regulating means associated with one of said tanks for controlling the operation of said pump.

1,479,552. METAL ROLLING MILL. FRITZ MAGNET, Iserlohn, Germany. Filed July 18, 1921. Serial No. 485,765. 1 Claim. (Cl. 80—47.)

In a mechanical lifting device for the front and rear tables on either side of rolling-mills, comprising an upper and a lower roll, the combination of ropes, chains

and levers for lifting both tables to such inclined positions that the metal plate to be rolled is automatically



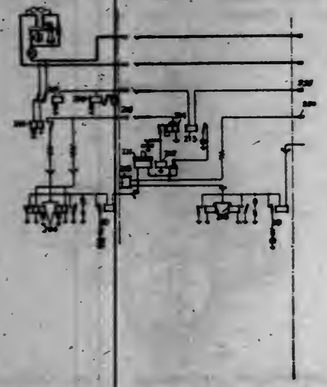
returned over the upper roll from the back to the front table, and means for driving said device by the rolling-mill itself, substantially as and for the purpose set forth.

1,479,553. TROLLEY POLE. MATS PARLOW, Coello, Ill. Filed June 8, 1923. Serial No. 644,077. 5 Claims. (Cl. 191—64.)



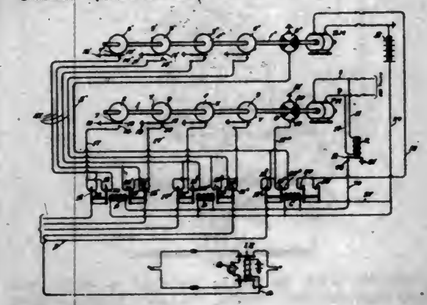
3. A trolley pole including a pair of telescopic sections, and means carried by one section for co-operation with the other section to normally hold said sections in extended relation, said means being disengageable upon impact of the members in line therewith to permit the sections to telescope.

1,479,554. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., and WILLIAM H. MATTHIAS, Hackensack, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1919. Serial No. 278,704. 6 Claims. (Cl. 179—27.)



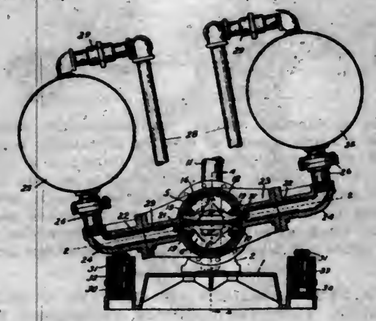
1. In a telephone system, a calling line, a selective switch, a multiposition auxiliary switch for controlling the operation of the selective switch, a plurality of called lines of different types, a register controlling mechanism comprising a plurality of registers, means for variably setting said mechanism, means controlled by said mechanism for operating said selective switch to extend the calling line to any of the said called lines, said auxiliary switch arranged to assume different positions when the calling line is extended to different called lines, means controlled by the calling subscriber for releasing the selective switch when said auxiliary switch is standing in a certain position, and means for removing the control of said releasing means from the calling subscriber when said auxiliary switch is in another of its positions.

1,479,555. TELEPHONE SYSTEM. EARL F. POTTER, Glencoe, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1921. Serial No. 439,901. 10 Claims. (Cl. 179—84.)



9. In a telephone system, in combination with a plurality of relays for supplying signaling current to connected stations, of interrupter mechanism common to said relays to energize and de-energize them and switch means automatically effected to alter the connections of said relays when said mechanism is disabled and restore them when said mechanism again becomes operative.

1,479,556. STEAM TRAP. THOMAS G. RAKESTRAW, Detroit, Mich., assignor to Richard O. Brandenburg and Ralph S. Moore, both of Detroit, Mich. Filed Feb. 27, 1922. Serial No. 539,400. 4 Claims. (Cl. 137—101.)

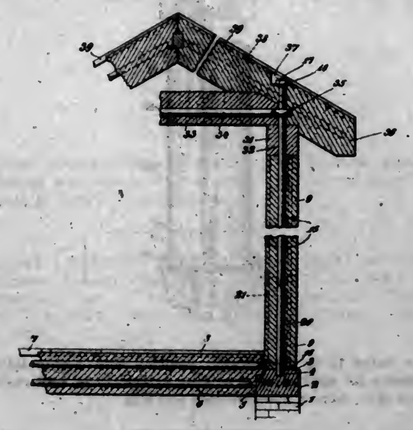


1. A steam trap comprising a base, a hollow elongated valve body fixedly mounted on said base and having a plurality of separated passages therein, a valve casing journaled to oscillate on said valve body and having ports registrable with certain of said passages in oscillated positions of said casing, a pair of tanks mounted directly on said casing to oscillate the same and having passages controlled in common by said ports to communicate therethrough with certain of the passages of said valve body in limiting positions of oscillations of said casing, and cushioning means limiting the oscillating movement of said casing and reacting to impart reverse movement thereto to effect the closing of certain of said ports and passages.

1,479,557. BUILDING CONSTRUCTION. WORLEY ROY RAYMOND, New York, N. Y. Filed Nov. 12, 1920. Serial No. 423,539. 7 Claims. (Cl. 72—1.)

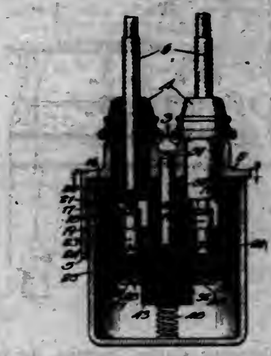
7. A shop-made reinforced concrete construction, comprising in combination, shop-molded reinforced plates, shop-molded reinforced spandrel beams, shop-molded reinforced grooved posts with main reinforcements, shop-

molded reinforced wall slabs, engaging said posts at their grooves and having beveled bottom or resting edges, shop-molded reinforced ceiling, floor and roof beams, shop-molded ceiling, floor and roof slabs, engaging their respective beams, said main reinforcements of



the posts tying said roof and ceiling beams, the plates, the spandrel beams and said posts, a field molded base having a sloping upper surface intersected by recesses for receiving parts and serving as erecting base for the shop-molded units.

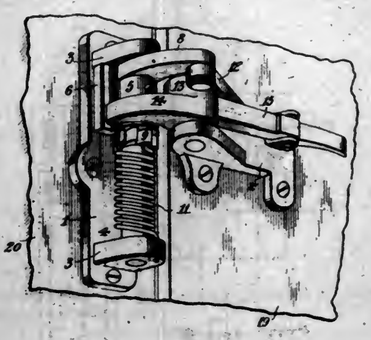
1,479,558. FUSED CUT-OUT. EDMUND O. SCHWEITZER and ALFRED HERZ, Chicago, Ill. Filed Oct. 1, 1919. Serial No. 327,659. 22 Claims. (Cl. 200—120.)



1. In combination, a tank, a cover for the tank, means for holding the cover on the tank, a pair of contacts mounted on the under side of the cover, a pair of terminals mechanically independent of said contacts, a fuse between said terminals, means for supporting the fuse and the terminals and yielding means for holding the terminals in electrical connection with the contacts.

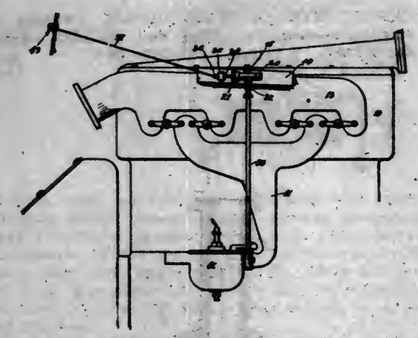
1,479,559. REFRIGERATOR-DOOR LOCK. WILLIAM S. STAIR, Brooklyn, N. Y., assignor to Shipley Construction and Supply Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 14, 1922. Serial No. 543,721. 8 Claims. (Cl. 292—198.)

7. A locking means for doors comprising, in combination, an arm pivoted to the door and having a cam portion, and a movable member on the door jamb having a projecting part thereon, which by the engagement of



the said cam with the movable member on the door jamb is forced into locking engagement with the said arm.

1,479,560. DILUTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. WATSON B. STOCKMAN, Chester, Pa. Filed Dec. 30, 1920. Serial No. 434,167. 2 Claims. (Cl. 123—119.)

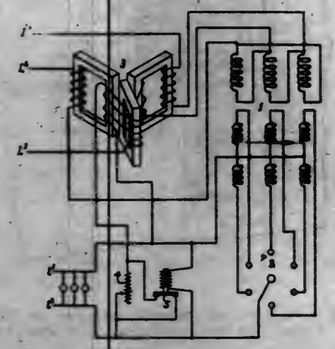


1. A device of the character described including a heater, a distributer, a pipe connecting the heater with the distributer, a valve casing interposed in said pipe and provided with an atmospheric air port and passages for said pipe, and a tubular valve slidable in said casing and provided with corresponding ports and passages for controlling communication with the distributer from the atmospheric air and the heater respectively, and a control member slidable for shifting the valve and adapted to be locked for sustaining the valve in either of said controlling positions selectively.

1,479,561. REGULATING MEANS FOR DIRECT-CURRENT CIRCUITS. ERWIN R. STOEKLE, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 18, 1920. Serial No. 389,903. 5 Claims. (Cl. 171—242.)

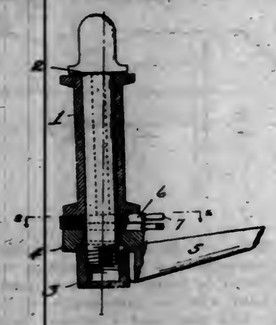
1. The combination with an electric circuit, of a double wave converted to receive electrical energy from a polyphase alternating current source for supplying direct current to said circuit and means for regulating an electrical condition of said circuit comprising a number

of reactors equal to the number of phases of said supply source, said reactors having means rendered sensitive to such electrical condition of said circuit and coils



subjected to control by said means for regulating a like condition of the electrical energy supplied to said converter.

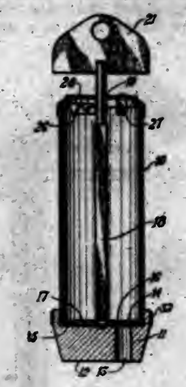
1,479,562. AXLE-ADJUSTING DEVICE. WALTER R. STRUNK, Reading, Pa. Filed Mar. 24, 1923. Serial No. 627,386. 2 Claims. (Cl. 267—66.)



2. In a device of the character described, an axle, a radius rod, a bolt and nut for securing the radius rod to the axle, and a pair of tapered discs interposed between the axle and the end of the radius rod, and surrounding the bolt, whereby the turning of the discs will change the angle of the axle with relation to the radius rod.

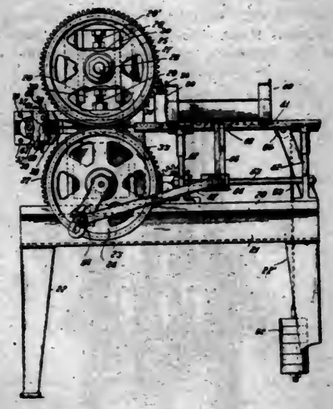
1,479,563. CLEANSING UTENSIL. JOHN HAROLD THOMAS, Orange, N. J. Filed Aug. 12, 1922. Serial No. 581,370. 2 Claims. (Cl. 51—183.)

1. The combination of a casing for containing cleansing material, a valve for said casing, a scouring block, means for securing said scouring block to one side of said casing, said scouring block being provided with a discharge passage controlled by said valve, said valve comprising a plate having an opening arranged to be brought into register with said discharge passage when



the valve is in discharging position and manipulating member for said valve extending exteriorly of said casing on a side thereof opposite said one side.

1,479,564. APPARATUS FOR SHAPING TUBULAR STOCK LENGTHS. CHARLES S. TILDEN, Cleveland, Ohio, assignor to The Elyria Iron & Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 9, 1920. Serial No. 415,777. 13 Claims. (Cl. 153—54.)



1. In a tubular-blank shaping machine, the combination of a pair of opposed rotary members having coacting arcuate die-portions on their peripheries, means to drive them, a blank magazine close to said members and having a bottom-slotted delivery trough; reciprocatory means below said trough extending into said trough through said slot for feeding blanks singly from said trough to said dies, and positive, direct driving connections from one said member to said feeding means positively synchronizing their operations.

1,479,565. COLLAR. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed Nov. 16, 1921. Serial No. 515,609. 6 Claims. (Cl. 112—67.)

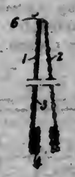
1. An article of wearing apparel made in whole or in part of separate layers or plies of fabric secured together

by an intermediate layer or layers of binding material, at least two layers or plies of fabric extending beyond



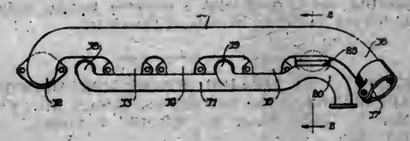
the main united portion of the fabric, said layers being untreated with the binding material, and turned in and secured to form the edge binding.

1,479,566. FOLDING COLLAR. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed Nov. 16, 1921. Serial No. 515,610. 4 Claims. (Cl. 2—67.)



1. A folding or turn-down collar made up of a neckband portion and a folding or turn-down portion, one of said portions having a relatively thick and stiff coating layer in intimate contact with and firmly adhering to the threads on the inner surface of the said portion, the said coating being insoluble in water and serving materially to stiffen and support the collar, the outer exposed surface of the coated portion of the collar being unaltered in appearance and untouched by the coating layer.

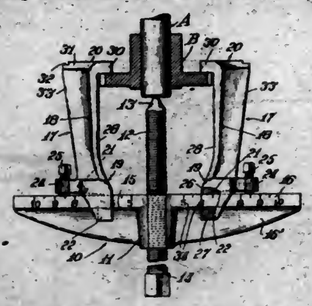
1,479,567. INTAKE MANIFOLD. HARRY LE VAN HORNING, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a Corporation of Wisconsin. Filed July 28, 1917. Serial No. 183,226. 2 Claims. (Cl. 123—122.)



2. In combination, an intake and an exhaust manifold, the former having a curved portion, the convex side whereof is arranged close to the exhaust manifold, said manifolds having aligned openings adjacent the curved portion of the intake manifold, a hot plate consisting of a sheet metal body arranged between the manifolds and having a plurality of oppositely disposed heat conducting and radiating ribs struck therefrom, said ribs being alternately disposed in said intake and exhaust manifolds.

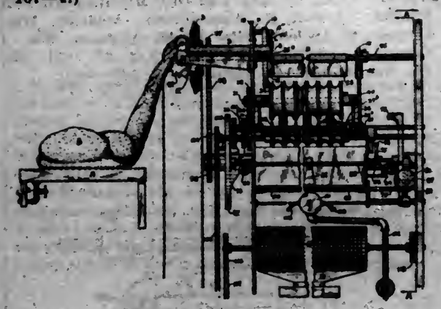
1,479,568. WHEEL PULLER. FREDERICK G. WACKER, Chicago, Ill. Filed Apr. 30, 1921. Serial No. 465,743. 8 Claims. (Cl. 29—85.)

1. In a wheel puller, the combination of a frame providing a plurality of radiating rails and a pressure applicator, of hooks respectively mounted on said rails each having a base arranged for rail-engagement and a



head complemental to the base and adapted to engage the base of a similar hook.

1,479,569. CANDY MACHINE. FRANK WAIDA, Chicago, Ill., assignor to Mary A. Waida, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 520,007. 15 Claims. (Cl. 107—4.)



2. In a candy machine, the combination with cutter controlling means, means operated by said controlling means to cut the incoming candy into sticks, means also operated by the controlling means temporarily to support each stick, means receiving the sticks and cutting them into pieces of uniform size, of adjustable means for flattening the pieces, after cutting, to a desired thickness.

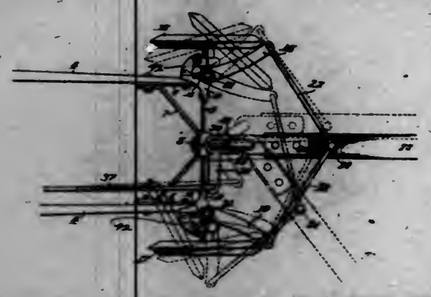
12. The combination with yielding means for cutting a constant stream of candy into sticks of uniform length, of means for subdividing said sticks into pieces of uniform length, adjustable means for flattening said pieces endwise to remove the burrs, and means connected with a prime mover and capable of actuating the aforenamed means in the proper time relation.

14. In a candy machine, means depositing sticks of candy from a batch outside the machine, three sets of cutting wheels intergeared for simultaneous rotation and arranged in triangular form, the lower set of wheels fixed to rotate in the machine frame, the two upper sets supported on swinging arms, a power driven eccentric connected to swing said upper wheels out and in to receive and cut said sticks into uniform pieces, and adjustable means pressing said pieces to a desired thickness.

1,479,570. POLE TRUCK AND STEERING DEVICE. LEWIS E. WATERMAN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed June 9, 1919. Serial No. 302,661. 6 Claims. (Cl. 280—103.)

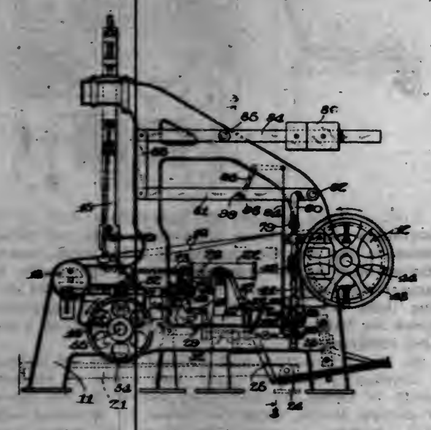
1. The combination of a frame, steering wheels therefor, a pole, a draft member pivotally connected to the frame and to the pole at longitudinally spaced points,

means connecting the wheels to the pole for steering, and means for adjusting said draft member about its



pivotal connection with the frame to give the wheels an up-hill lead without swinging the forward end of the pole laterally.

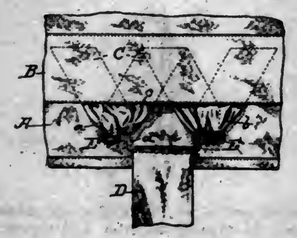
1,479,571. TAKE-UP AND LET-OFF MECHANISM FOR LOOMS. ALBERT B. WEISSENBORN, Appleton, Wis., assignor to Appleton Wire Works, Appleton, Wis., a Corporation of Wisconsin. Filed Aug. 27, 1921. Serial No. 496,127. 36 Claims. (Cl. 139—99.)



27. In a loom, the combination, with the warp-beam and receiving-roll, of let-off mechanism for the warp-beam and take-up mechanism for the receiving-roll, a reciprocating member operatively connected to both of said mechanisms, means for varying the stroke of said member to vary the operation of the take-up mechanism, and means independent of said member for varying the operation of the let-off mechanism.

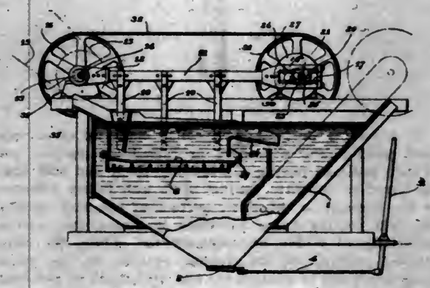
1,479,572. GARMENT SUPPORTER. BIRDORA H. WHITE, Chicago, Ill. Filed Dec. 26, 1919. Serial No. 347,256. Renewed Dec. 2, 1921. Serial No. 519,547. 3 Claims. (Cl. 241—1.)

1. The combination with an article of wearing apparel, of a strap secured to said article, a fastener detachably secured to said strap and including a U-shaped portion, portions extending outwardly from said U-shaped portion, said outwardly extending portions being returnbent to provide hooks, the ends of said returnbends terminating short of the sides of said U-shaped portion to permit the insertion of said strap for con-



fined engagement with the outward extending portions of said hooks and a member adapted to be secured to the U-shaped portion of said fastener.

1,479,573. JIG-PAN SUPPORTING AND VIBRATING MEANS. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1921. Serial No. 514,164. 8 Claims. (Cl. 83—80.)

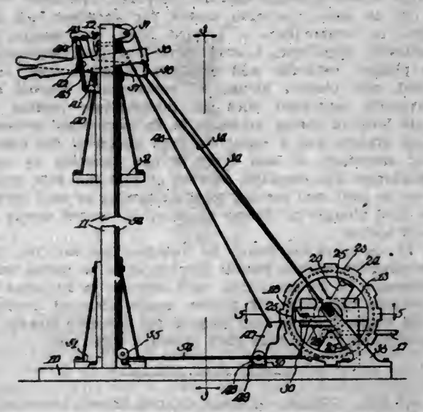


1. In a jig, the combination of a jig pan, horizontally extending means situated above and extending across the said jig pan for supporting the same, means including an eccentric for supporting one end of said horizontally extending means, and means for supporting the opposite end of said horizontal means, the said last mentioned supporting means comprising a revoluble member adjustable toward and from its axis of revolution.

1,479,574. CONTROLLING MEANS FOR HOISTING APPARATUS. CARL ZETTERLUND, Chicago, Ill. Filed Mar. 1, 1923. Serial No. 622,015. 5 Claims. (Cl. 187—28.)

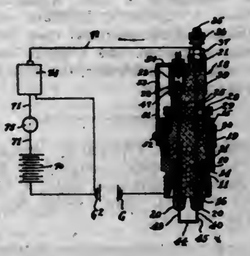
3. In an apparatus of the class described, the combination with a main frame having an upright frame work providing guide-ways for a pair of elevators or cages, of an elevator or cage located in each of said guide-ways for vertical movement therein, a driven shaft transversely journaled on the main frame in front of said upright frame work, means to drive said shaft, a pair of drums loosely mounted on said driven shaft and each having a peripheral toothed rack and inwardly extended spaced lugs, a pair of pulleys journaled on the main frame in front of said drums, a pair of pulleys journaled on the upper portion of said upright frame work, a pair of pulleys journaled on the lower front portion of said frame work, a cable extended around the first named pair of pulleys and wound on each of said drums and extended therefrom around the pulleys at the lower portion of said frame work and over the pulleys at the

top thereof and one reach of said cable being secured to one of the elevators and the other reach thereof to the other elevator, a supporting arm keyed to said driven shaft adjacent each drum and extended therefrom to near the inner ends of said lugs, a spring actuated clutch arm pivotally mounted on said supporting arm and having a lug engaging arm extended from its pivot and adapted for engagement with a lug on the drum, a



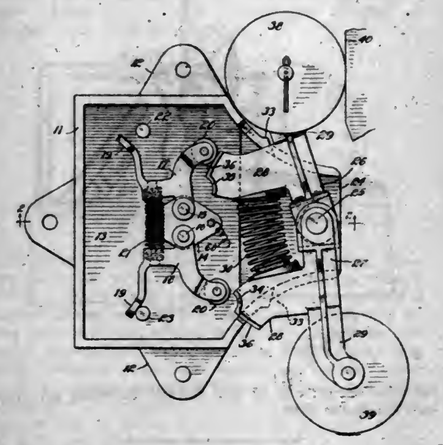
gravity actuated safety dog pivotally mounted to engage the peripheral rack of each drum, a lever fulcrumed on the upper portion of said upright frame work near each corner thereof, a cable connecting the front end of each lever to each of said clutch arms, and another cable connecting the front end of each lever to one of said dogs.

1,479,575. SPARK PLUG. CHARLES ADAMS, JR., and WALTER A. ADAMS, Weehawken, N. J. Filed Sept. 4, 1919. Serial No. 321,543. 6 Claims. (Cl. 123—169.)



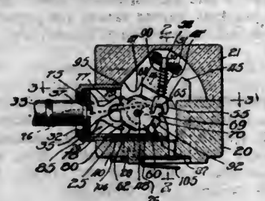
1. In a spark plug, a metallic base; an insulating member disposed in said base provided with a spark gap chamber open at one end, said chamber having a translucent wall portion; means supported by and grounded on said base for connecting the base and insulating member and closing the open end of the spark gap chamber and permitting view of the translucent wall portion of the spark gap chamber from the exterior of the spark plug; a spark-point plug operatively arranged in the spark gap chamber; and a sparking pin operatively connected to said connecting means for cooperating with said spark-point plug for providing a spark gap in said chamber.

1,479,576. ELEVATOR CONTROL. CARL J. ANDERSON, Chicago, Ill. Filed Jan. 19, 1923. Serial No. 613,591. 9 Claims. (Cl. 187—29.)



5. The combination with an elevator car, and a cam thereon, of a lever composed of sections yieldingly connected together, a pivotal support for the lever, a circuit closing device for each section, the open or closed condition of which device is determined by the position of the section, and means by which upon a car passing said lever the cam on the car will move one section to open its electrical connection and later permit the other section to move so as to close its electrical connection, said last movement being by action of the yielding connection put under strain by the movement of the first section.

1,479,577. ELECTRIC SWITCH. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed June 30, 1919. Serial No. 307,650. 14 Claims. (Cl. 200—68.)

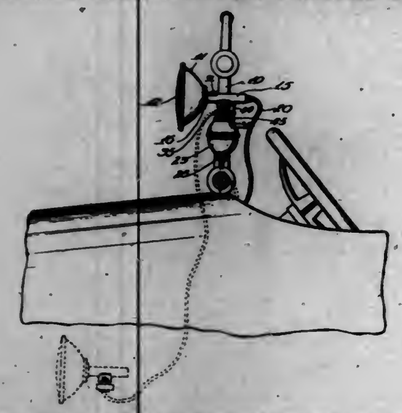


1. In an electric switch, the combination with a swinging switch member and its cooperating fixed terminal, a rocking reversing device, a spring controlled plunger operatively connected between said reversing device and said swinging switch member, and a single actuating device normally disconnected from and adapted for alternate operation on opposite side of said reversing device for giving alternate rocking movement thereto.

1,479,578. ADJUSTABLE EXTENSION SPOTLAMP. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 23, 1920. Serial No. 432,662. 11 Claims. (Cl. 240—7.)

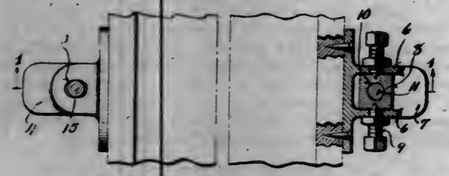
1. An electric extension lamp device comprising a lamp structure to receive lamp bulb contacts and two

circuits separately including said contacts and provided with sockets separately to receive a connection of an



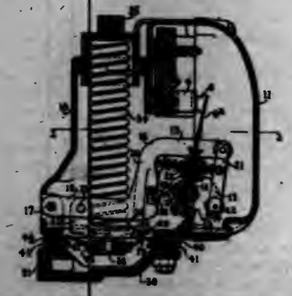
external circuit, one of said circuits including an extension conductor cord.

1,479,579. FLASK PIN. FRANK C. ARENZ, Milwaukee, Wis. Filed Dec. 23, 1922. Serial No. 608,628. 4 Claims. (Cl. 22—110.)



1. The combination of a cope and drag, said drag being provided with upwardly projecting dowel pins, brackets carried by said cope and having apertures through which said dowel pins may pass, one of said brackets having a pivotally mounted apertured block adapted to receive the corresponding dowel pin and the other of said brackets having means for permitting relative angular motion between such bracket and the corresponding pin.

1,479,580. PRESSURE-RESPONSIVE CIRCUIT CONTROLLER. THOMAS E. BARNUM, Wauwatosa, and CLARENCE T. EVANS, Milwaukee, Wis., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 27, 1921. Serial No. 465,065. 19 Claims. (Cl. 200—68.)

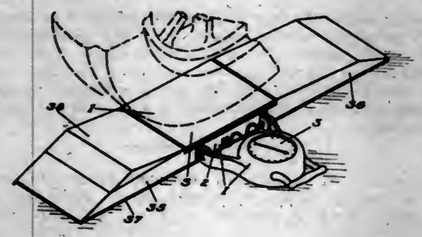


1. In snap operating means for switches and the like, in combination, an oscillatory cam having angularly related faces meeting in an abrupt crest, a roller to coact with said cam and supporting means for said roller comprising a pivoted lever, a support pivoted to the free end thereof and carrying said roller at its free end, a spring associated with said lever and said support to bias said roller against said cam, means to exert upon said lever opposing forces tending to move the same against the force of said spring, the faces of said cam being so disposed with reference to the center of oscillation of said lever as to effect greater opposition to movement of the lever in one direction than in the other direction.

10. In snap operating means for switches and the like, in combination, a pivoted lever, a pressure responsive diaphragm, a stud carried by said diaphragm, a plunger centrally and pivotally mounted upon said stud, said plunger having an eccentrically located lug pivotally connected with an intermediate portion of said lever, a spring arranged to be compressed between said plunger and a relatively fixed abutment for opposing movement of said lever in one direction by said diaphragm the eccentric relation of said lug with reference to said stud serving to effect bowing of said spring by said plunger to thereby augment the stored energy of said spring.

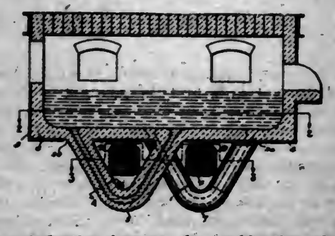
11. In operating means for switches and the like, the combination with a flexible diaphragm to be moved with reference to an associated rigid element in response to pressure variations, of flexible means clamped between said diaphragm and said element for reducing strains in said diaphragm due to such pressure variations.

1,479,581. SCALE. HERMAN CLAUDE BERRY, Lansdowne, Pa. Filed May 15, 1922. Serial No. 561,096. 8 Claims. (Cl. 265—47.)



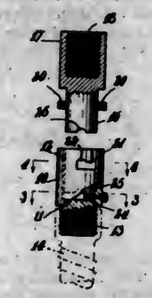
1. A scale comprising a base, a platform mounted above the base, a hydraulic pressure cell interposed between the base and the platform upon which the platform is tiltably supported, and a gauge associated with the pressure cell for indicating the weight of a load passing over the platform.

1,479,582. INDUCTION FURNACE. CHARLES A. BRAYTON, Jr., Cleveland, Ohio, assignor to The Induction Furnace Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 24, 1920. Serial No. 412,549. 12 Claims. (Cl. 204—64.)



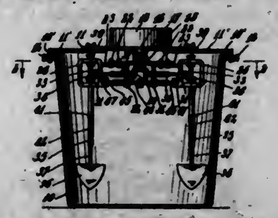
1. In an induction furnace, the combination of a bath, a closed channel of uniform cross section thereunder and connected therewith and leading to and from the bath, said channel having a comparatively thin wall of substantially even thickness thruout its length and surrounded by a pervious metallic jacket, whereby said wall may be maintained at a relatively cool temperature to prevent permeation of the molten metal through the channel wall.

1,479,583. FLEXIBLE-SHAFT COUPLING. JAMES P. CAREY, New York, N. Y. Filed Mar. 27, 1922. Serial No. 547,299. 4 Claims. (Cl. 287—103.)



1. A coupling for flexible shafts comprising plug and socket members having interlocking parts, and a rotary element carried by the socket member and presenting a cam adapted to move the said interlocking parts into engagement with one another, said rotary element forming an abutment holding the said interlocking parts engaged with one another.

1,479,584. BEATER AND MIXER. FRANK W. CONKLIN, Brooklyn, N. Y. Filed May 9, 1923. Serial No. 637,922. 4 Claims. (Cl. 259—112.)



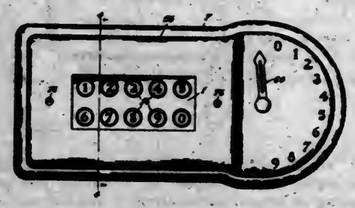
1. A device of the class described comprising a receptacle, a rotary spider therein, a vertical shaft on which said spider is fixed, radially extensible frame elements carried by said spider, radially extending shafts supported partly by said spider and partly by said frame elements,, vertical beater shafts supported by said frame elements, gear connections between the said radially extending shafts and vertical beater shafts, a second shaft passing axially through the shaft on which the said spider is fixed, gear connections between said last named shaft and the said radially extending shafts, and a motor adapted to drive the first named and said last named shafts at relatively different speeds.

1,479,585. SPUR ROLL FOR SHINGLE MACHINES. LEONARD H. CRAWFORD, Inglewood, Wash. Filed Oct. 16, 1922. Serial No. 594,784. 2 Claims. (Cl. 101—3.)



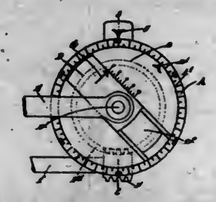
1. An article of manufacture comprising a spur roll body portion, spur teeth arranged in spaced apart ring formation on said body portion, dies between said teeth disposed around said body portion, and said dies being positioned in different planes both longitudinal and vertical with respect to the axis of said body portion.

1,479,586. TELEPHONE SYSTEM. HIRAM D. CURRIER, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1918. Serial No. 257,052. 3 Claims. (Cl. 179—99.)



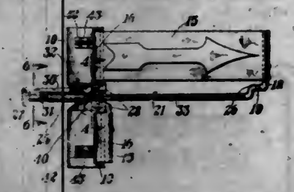
1. A device of the character described, including a plurality of groups of passive contacts arranged to form a bank of contacts, each group of contacts comprising a separate unitary structure, a mounting member for securing said bank of contacts in position, a spindle carrying a plurality of active contacts for engaging said passive contacts when said spindle is rotated, other groups of contacts arranged to form a bank and to be continuously in engagement with said active contacts, a key device including a plurality of plungers associated with said active and passive contacts, a contact controlled by each of said plungers connected with an active contact of said group of active contacts, a manually operated member secured to the end of said spindle for rotating said group of active contacts over groups of said passive contacts, to rest in engagement with a certain group of said groups of passive contacts, and also for manually restoring said active contacts to their normal position, means for then operating one of said plungers to select a desired passive contact in the elected group of passive contacts, mechanical mechanism whereby when one of said plungers is operated, one previously operated plunger will restore, and a cover-cap for enclosing said key device and said banks of contacts, said cover-cap provided with an opening through which said plungers extend, and also provided with an orifice for receiving the other end of said spindle to provide a bearing for said spindle to maintain said spindle and active contacts carried thereby in operative relation with said groups of passive contacts.

1,479,587. MEANS FOR USE IN THE LAYING OF ORDNANCE. ARTHUR TREVOR DAWSON, GEORGE EDWIN WATT, and ARTHUR LEONARD PERHAM, Westminster, London, England, assignors to Vickers Limited, Westminster, London, England. Filed Oct. 31, 1919. Serial No. 334,736. 7 Claims. (Cl. 89—41.)



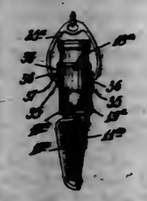
3. Apparatus for use in laying a gun subject to errors due to the position in train of the gun and the deviation of the position of the gun from a reference line, comprising an instrument in accordance with which the gun is laid, a device movable in unison with the training movements of the gun, means for adjusting the device in accordance with the deviation of the position of the gun from the reference line, means for adjusting the device to agree with the training angle of the gun at which the maximum error occurs and means associated with the device for imparting a correctional movement to the instrument.

1,479,588. VEHICLE SIGNAL. FRANCISCO DIAZ, Winslow, Ariz. Filed Mar. 9, 1923. Serial No. 623,883. 4 Claims. (Cl. 116—50.)



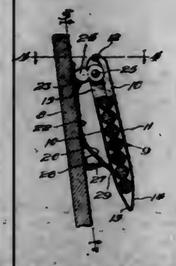
1. A vehicle signal comprising a casing, a pair of flexible signal strips adapted to be wound into rolls in said casing or projected therefrom, a slidable bar on said casing, and devices carried by said signal strips adapted to be selectively engaged by said bar to project the desired strip from the said casing, said bar remaining in slidable engagement with the casing while being engaged with the said devices.

1,479,589. PENCIL SHARPENER. ANDREWS DUDAS, Homestead, Pa. Filed Jan. 25, 1922. Serial No. 531,623. Renewed Nov. 14, 1923. 3 Claims. (Cl. 120—7.)



3. In a device of the class described, a tubular member, a plug frictionally engaged in one end of said tubular member, a suspension bail connected to said tubular member, said bail having inturned ends provided with disk-heads, said tubular member presenting recesses in the inner face of the wall thereof receiving said heads and having slots entering from the end thereof to the said recesses for the passage of the said inturned bail ends, the said plug engaging the said disk-heads to prevent withdrawal of the same from the said recesses.

1,479,590. CIGARETTE HOLDER AND THE LIKE. LEONARD EMERICH, Elgin, Ill., assignor to Elgin American Manufacturing Co., Elgin, Ill., a Corporation of Illinois. Filed Jan. 8, 1923. Serial No. 611,378. 2 Claims. (Cl. 206—30.)



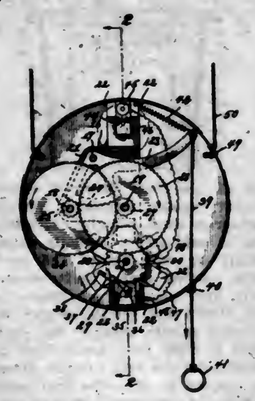
1. As a new article of manufacture, a cigarette holder or the like comprising in combination a pair of leaves pivoted together at their upper edges, the lower edges of the leaves curving toward each other to establish a point of contact at their lower edges when the leaves are folded together, and there being central recesses in the lower edges of the leaves to accommodate the fingers of a band, spring means tending to move the leaves together, and a bracket for the cigarette holder adapted for attachment to a substantially vertical surface, said bracket including a flat plate for attachment to the said surface, a pair of forwardly extending lugs at the upper end thereof, a pivotal connection between said lugs and the upper side portions of the back leaf, and a resilient forwardly projecting stop on the lower portion of the bracket adapted to contact the back surface of the back leaf when in lowered position, substantially as described.

1,479,591. METHOD OF MAKING POCKETBOOKS OR HAND BAGS. CHARLES L'ENFANT, New York, N. Y. Filed June 29, 1922. Serial No. 571,744. 5 Claims. (Cl. 150—32.)



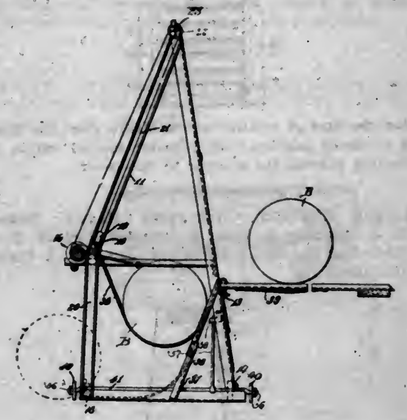
1. The method of making pocket-books and the like which consists in first securing an inner lining upon an outer sheet of flexible material to form a body blank and then inserting a reinforcing member between the intermediate sections of said outer sheet and the lining sheet of the blank to render the portions thereof forming the outer side walls of the pocket-book relatively rigid, then folding the opposite reinforced portions of the blank towards each other, and subsequently folding the end portions of the blank inwardly between said reinforced portions.

1,479,592. FLASH LIGHT. FRED EVANS, Summit, N. J., assignor to Louis V. Aronson, Newark, N. J. Filed Mar. 22, 1920. Serial No. 367,928. 1 Claim. (Cl. 240—8.5.)



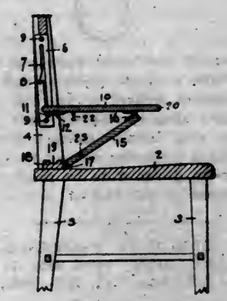
A flash light comprising in combination with a drum having an incandescent lamp disposed to project light rays through the face of said drum, said lamp being near the periphery of the drum on one side thereof, a current generator in said drum diametrically opposite said lamp, and electrical connections between said generator and lamp, of a gear train in said drum adapted to impart rotary motion to said generator in one direction, said gear train including a pawl and ratchet device permitting the gears to return to initial position without affecting the generator, means for causing the gear train to normally assume its initial position, means for manually actuating said gear train, said means consisting of a sector and lever, and a flexible cord extending through said drum for actuating said sector and lever.

1,479,593. BARREL-HOISTING APPARATUS. FRED C. FANTZ, Port Arthur, Tex., assignor to The Texas Company, a Corporation of Texas. Filed Dec. 13, 1919. Serial No. 344,510. 21 Claims. (Cl. 214—95.)



1. A hoist comprising a supporting structure, a hoisting cradle affixed thereto at the height to which the load is to be elevated and means for raising and lowering the opposite end of the cradle to permit a load to be introduced at the level of the floor on which the hoist is mounted and elevated to the upper level.

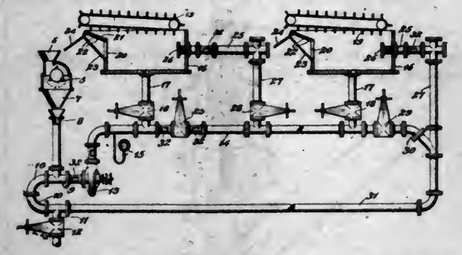
1,479,594. CHAIR. LEWIS H. FENNELL, Greensburg, Pa. Filed Sept. 13, 1922. Serial No. 588,052. 4 Claims. (Cl. 155—132.)



1. A chair having the usual seat and having a back comprising spaced upright rails, slotted plates secured to the inner surfaces of said upright rails, an auxiliary seat having projections engaging the slots in said plates, a supporting member hinged to the said auxiliary seat near its front edge, and a transverse rail extending between said upright rails and having a groove in its upper side adapted to receive and support the lower edge of said auxiliary seat.

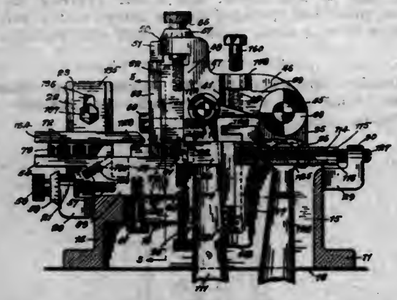
1,479,595. APPARATUS FOR CONVEYING AND DISTRIBUTING ICE. CROSBY FIELD, Yonkers, N. Y., assignor to Chemical Machinery Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 7, 1920. Serial No. 372,047. 2 Claims. (Cl. 302—14.)

1. In a conveying apparatus, a plurality of spaced collecting receptacles, distributing and return conduits connected for the continuous circulation of a material conveying liquid therethrough, a pump for maintaining such circulation under pressure, means for feeding the material into the circulating fluid at the intake side of said pump, supply and return pipes connecting each of the collecting receptacles to said distributing conduit,



and means associated with each of said receptacles to discharge the material collecting therein without interrupting the continuous circulation of the fluid.

1,479,596. MACHINE FOR MOLDING TYPE AND THE LIKE. AUGUST L. N. FLEMING, Lyndhurst, N. J., assignor to Automatic Uno Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 8, 1921. Serial No. 513,643. 46 Claims. (Cl. 199—94.)



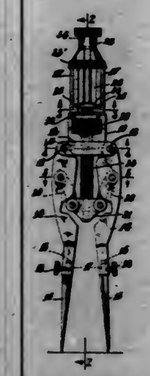
1. In a machine for molding type and the like, in combination, a base having a recessed top, a lower jaw in the recess, molding matrices removably arranged in the recess, an upper jaw, a side jaw, said upper jaw and side jaw being adapted to be raised and lowered toward and from the lower jaw to positions for cooperating with the lower jaw and with the matrices to provide a mold therebetween, and a feeder having spaced inlets detachably fastened on the base so that one of its inlets is in register with the mold for receiving molten metal to be fed into the mold formed by the jaws and matrices.

1,479,597. SMOOTHING IRON FOR ASPHALT ROADS. CHARLES A. FOUST, Glendale, N. Y. Filed Dec. 21, 1921. Serial No. 523,946. 24 Claims. (Cl. 219—21.)



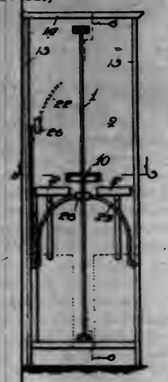
1. In a smoothing device, the combination of, a heatable head; and a member located within the head comprising heat generating means; said member being provided with a plurality of bores for receiving the heat generating means therein and a plurality of bores cooperating with the heat generating means for distributing heat therefrom to the head.

1,479,598. DRAWING AND CALIBRATING INSTRUMENT. JOSE GARCIA, Philadelphia, Pa. Filed Dec. 29, 1922. Serial No. 609,698. 4 Claims. (Cl. 33—148.)



1. An instrument of the class described comprising a frame piece provided with graduation, a pair of legs pivotally attached thereto, a screw extending freely through the frame piece, a pair of links connecting said legs to said screw, and a nut swiveled in the frame piece and threaded on the screw, and a pointer carried by said screw in registry with said graduations.

1,479,599. TOWEL CABINET. ALBERT GRUB, Chicago, Ill. Filed Dec. 28, 1918. Serial No. 268,603. 14 Claims. (Cl. 45—32.)



1. In a device of the character described, a support for a pile of towels, a rod arranged above said support in position to extend through registering openings in the towels, said rod having a part at its lower end bent laterally in the vicinity of the towel-supporting surface of said support, and means extending from the front end of said part to the front end of said support for retaining the towels after they have been drawn laterally.

1,479,600. RADIATOR HEATER. ARTHUR W. HARPER, Toledo, Ohio. Filed Sept. 20, 1920. Serial No. 411,511. 1 Claim. (Cl. 263—5.)

In a radiator heat protector, a cover for enclosing the radiator and covering the front end thereof, a frame connected to the cover and having a plurality of blades pivoted to the frame, a rod connecting the blades and a latch bolt and perforated bracket for securing the blades at different angles with respect to the frame, the blades each having a downwardly curved outer edge adapted to make contact with portions of the blades along the upper edge of the next adjacent blade and



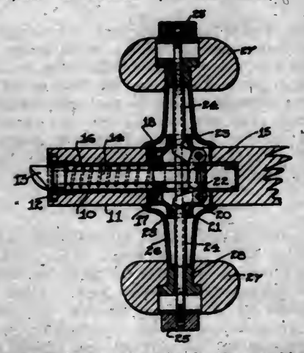
below the axes of rotation of the blades when the blades are in closed position, and a heater located within the cover for heating the interior of the cover.

1,479,601. IGNITER. ALEXANDER HARRIS, Newark, N. J., assignor to Louis V. Aronson, Newark, N. J. Filed Mar. 2, 1921. Serial No. 449,107. 2 Claims. (Cl. 67—6.1.)



1. An igniter of the class described, comprising a handle made from a single piece of suitable material, a scratching element secured to one end of the handle, a tubular member slidably disposed upon the other end of said handle, said tubular member provided with a cavity, and a spark producing element frictionally located within said cavity designed to be pressed against said scratching element by the end of said handle.

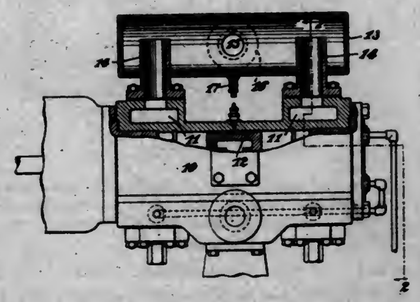
1,479,602. PUSH-BUTTON DOORKNOB. MYRON T. HAYER, Worcester, Mass. Filed Sept. 1, 1921. Serial No. 497,486. 5 Claims. (Cl. 292—166.)



1. In a push button door knob, the combination of a pair of knobs located opposite each other, a pair of bolts connecting said knobs and extending through the door,

each bolt having a head at one end and a thread at the other, said bolts extending through the door in opposite directions, each bolt being connected with one knob by its head and with the other knob at its opposite screw threaded end, whereby the knobs cannot be released from each other from one side of the door alone.

1,479,603. COMPRESSOR. NICOLAI H. HILLER, Carbondale, Pa. Filed Jan. 15, 1923. Serial No. 612,583. 7 Claims. (Cl. 230—32.)



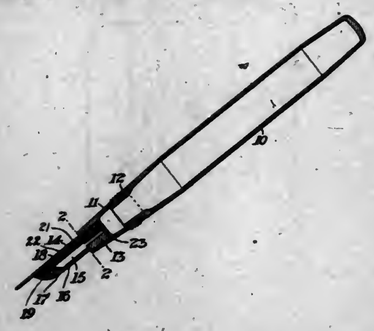
1. A compressor having a plurality of compression chambers provided with separate intakes, a chamber disposed closely adjacent to said compressor, separate nipples extending from said intakes into said chamber, and terminating above the bottom of the latter, and an intake to said chamber.

1,479,604. CHUCK. SIDNEY E. HORTON, Windsor Locks, Conn., assignor to The E. Horton & Son Company, Windsor Locks, Conn., a Corporation of Connecticut. Filed July 3, 1920. Serial No. 393,988. 5 Claims. (Cl. 279—118.)



1. A chuck comprising, in combination, a body, a plurality of jaws, an oscillatory part, spring means urging said oscillatory part in one direction relative to the chuck body, brake means permitting movement of said oscillatory part in the opposite direction relative to the chuck body, and changeable connections operatively interposed between said oscillatory part and said spring, said connections permitting oscillation of said oscillatory part in spring-actuated direction to actuate said jaws toward the axis of the chuck for external chucking, or from the axis of the chuck for internal chucking.

1,479,605. FOUNTAIN PEN. ANDREW B. HYDE, New York, N. Y. Filed Feb. 5, 1921. Serial No. 442,600. 7 Claims. (Cl. 120—50.)



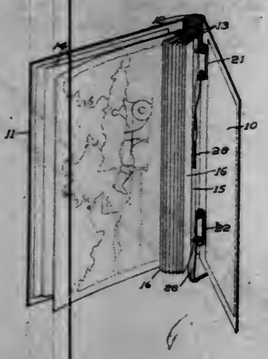
1. In a fountain pen, a pen section comprising a pen, a plug having an ink reservoir therein, and a feeder member extending beneath the pen and across an opening in the wall of the reservoir to provide a passage for surplus ink from the feeder to the reservoir and also for the flow of the ink from the reservoir to the pen.

1,479,606. DENTAL HANDPIECE. JOHN R. IMPEY, San Francisco, Calif. Filed Sept. 21, 1922. Serial No. 589,522. 7 Claims. (Cl. 32—15.)



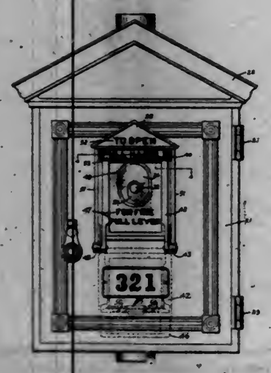
1. A dental hand-piece including a sheath, a hollow spindle rotatable therein, an implement holding chuck in one end of said spindle and adapted for extending to release an implement, a lineally slidable stem projecting axially from the other end of the spindle, an operating connection between the stem and chuck whereby on pressure being applied to said stem said chuck will be operated to release and a spring for acting on said chuck through said stem to retain the implement locked within the chuck on the release of pressure on said stem.

1,479,607. TEMPORARY BINDER. HERBERT D. INMAN, Foxboro, Mass., assignor to Sales Folio Company, Foxboro, Mass. Filed Aug. 13, 1921. Serial No. 492,051. 5 Claims. (Cl. 129—19.)



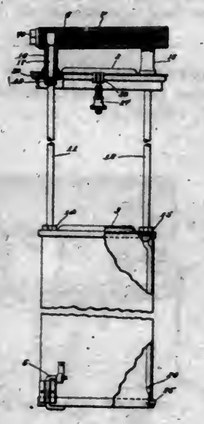
1. A loose-leaf binder comprising, in combination, a cover, a binder string adapted to be passed through removable leaves to secure them to the cover, and means for removably securing an end portion of the string to the cover to hold the leaves bound to the cover, comprising a plate secured to the cover by rivet-eyelets, the eyelets forming apertures adapted to have the string threaded therethrough, and a second plate pivotally mounted to be swung into gripping engagement with a portion of the string protruding from one of said eyelets.

1,479,608. ATTACHMENT FOR SIGNAL BOXES. GEORGE ALFRED JACKSON, Waltham, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,350. 21 Claims. (Cl. 177—360.)



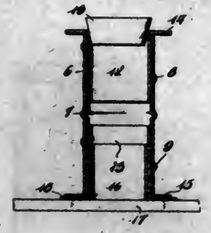
9. In an attachment for a signal box; suitable enclosing structure for a manually operable member, said structure comprising a hinged section, spring latch mechanism for maintaining said section in normal closed condition and a handle whereby said hinged section may be readily opened, and a nonfrangible transparent panel carried by said hinged section.

1,479,609. PORTABLE ACETYLENE GENERATOR. ALEXANDER F. JENKINS, Baltimore, Md. Filed Jan. 24, 1920. Serial No. 353,864. 7 Claims. (Cl. 48—22.)



5. A portable acetylene generator, having a vent pipe consisting of a hollow stud extending through a wall of the generator, a pipe leading from the gas space of the generator into said stud, the same being of less diameter than the hollow in the stud, so as provide an annular chamber, surrounding the pipe, an opening in the pipe leading into said hollow chamber, and an opening leading from said hollow chamber outside the generator.

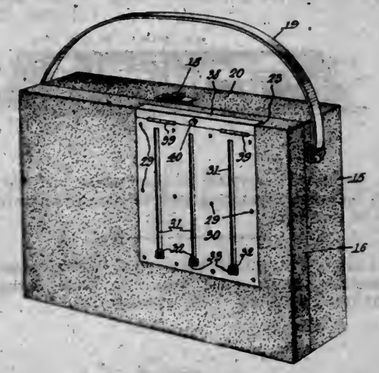
1,479,610. COMBINED MOLD AND LINER FOR PIPE OPENINGS, ETC. CHARLES E. JOHNSON and WILLIAM W. FIELDS, Cleveland, Ohio. Filed Sept. 7, 1923. Serial No. 661,493. 3 Claims. (Cl. 126—314.)



1. A device of the character described, comprising a metal sleeve having a substantially centrally arranged annular rib upon its outer surface, a pair of centrally opened cap members arranged within and snugly fitting the sleeve to permit variance of its length, and connections between the cap members and sleeve to retain them in any adusted position.

1,479,611. HAND-CARRIED RECEPTACLE. EDWARD T. JONES, San Francisco, Calif. Filed June 25, 1923. Serial No. 647,652. 5 Claims. (Cl. 183—5.)

1. The combination with a receptacle to be carried in the hand, embodying a side member adapted to be shifted to opened and closed positions, of a coin holding receptacle mounted upon the inner side of said side member and having a plurality of compartments for receiving coins of different denominations, feeding elements slidable longitudinally within said compartments, elements to advance the feeding elements and extending



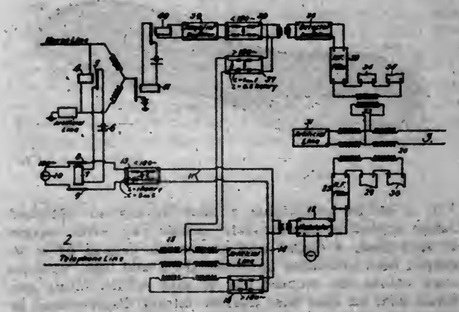
to the exterior of said side, friction means to hold each feeding element in a selected position, and means to cover and uncover the open ends of said compartments.

1,479,612. SAFETY WAREHOUSE TRUCK. DANIEL WRIGHT JOYNER, Kansas City, Mo. Filed Dec. 22, 1921. Serial No. 524,289. 2 Claims. (Cl. 214—65.)



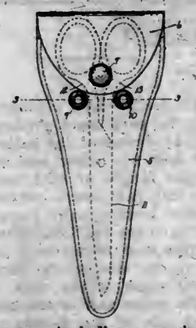
1. A safety warehouse truck, comprising an underslung rear axle provided with bearing wheels, a bed supportingly engaged by the underslung portion of said axle, a pivotally mounted bearing wheel connected with the front end of said bed and adapted for holding with said axle the bed in a horisontal plane, a plurality of rollers revolubly mounted transversely of said bed and arranged to turn therein by objects moved thereon, pulling means mounted on said bed and adapted for pulling objects over said rollers thereon, and a bumper arranged on said bed to limit the forward movement of objects on said rollers.

1,479,613. MULTIPLEX SIGNALING. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 19, 1917. Serial No. 181,581. 49 Claims. (Cl. 179—15.)



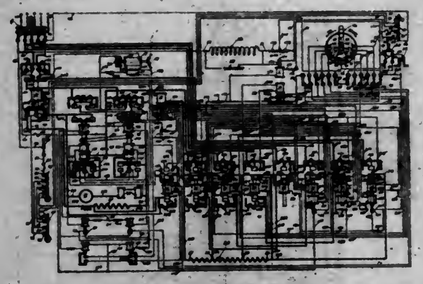
30. The method of signaling which comprises transmitting simultaneously in both directions over a transmission channel carrier waves each of which is continuously modulated in accordance with both telegraph and telephone signals, and receiving said telegraph and telephone signals separately.

1,479,614. SCISSORS CASE. OTTO J. KORHUMMEL, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a Firm composed of Carlton J. Bates and Hamilton C. Bates. Filed Jan. 26, 1923. Serial No. 614,980. 3 Claims. (Cl. 150—52.)



1. A scissors-case, including a pocket and two stops respectively located on opposite sides of and closely adjacent to a central, vertical line and adapted to limit the inward movement of a pair of scissors into the case.

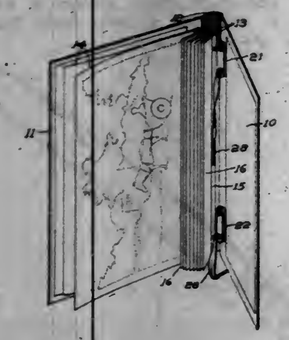
1,479,615. MULTIVOLTAGE SYSTEM OF CONTROL FOR ELEVATORS. GEORGE WILLIAM LAUTRUP, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 1, 1920. Serial No. 370,429. 26 Claims. (Cl. 172—152.)



1. In a multi-voltage system of control, in combination with an electric motor, units forming a source of electrical supply for the motor, circuits to connect the motor with any desired number of the said units, a sectional resistance, certain of said circuits each including a section of the said resistance, speed controlling switches operable successively to close the said circuits to effect a step by step increase in voltage supply for the motor, and accelerating switches operable successively to short-circuit the resistance sections from their respective circuits and to open certain of the said first named motor circuits subsequently to their being closed by the speed controlling switches.

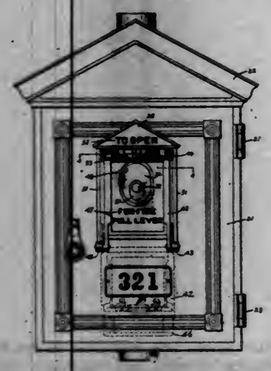
19. In a system of control for elevators, in combination with the car, a car switch, a hoisting motor, a reversing switch, an electro-magnet to operate the reversing switch, a by-pass resistance, an electro-magnet to control the said resistance, an electro-magnet having a circuit controlled by the car switch, to control a circuit for the second named electro-magnet, a holding magnet operatively associated with the reversing switch, and contacts operated by the said second named electro-magnet, controlling a circuit for the holding magnet.

1,479,607. TEMPORARY BINDER. HERBERT D. INMAN, Foxboro, Mass., assignor to Sales Folio Company, Foxboro, Mass. Filed Aug. 13, 1921. Serial No. 492,051. 5 Claims. (Cl. 129—19.)



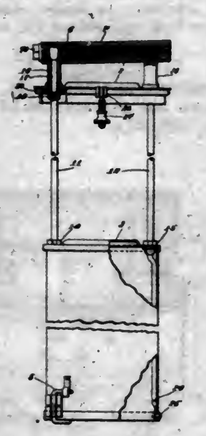
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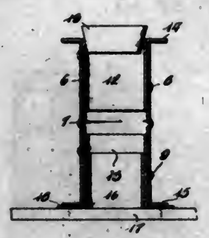
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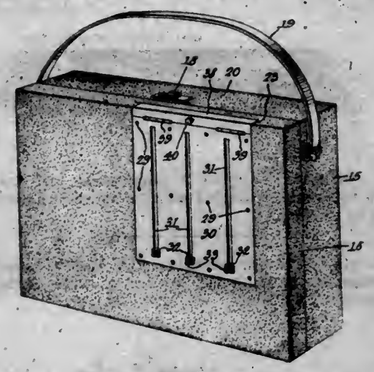
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1. The combination with a receptacle to be carried in the hand, embodying a side member adapted to be shifted to opened and closed positions, of a coin holding receptacle mounted upon the inner side of said side member and having a plurality of compartments for receiving coins of different denominations, feeding elements slidable longitudinally within said compartments, elements to advance the feeding elements and extending



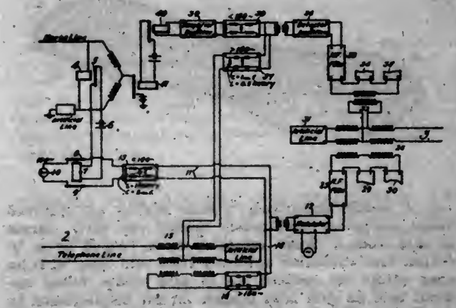
to the exterior of said side, friction means to hold each feeding element in a selected position, and means to cover and uncover the open ends of said compartments.

1,479,612. SAFETY WAREHOUSE TRUCK. DANIEL WRIGHT JOYNER, Kansas City, Mo. Filed Dec. 22, 1921. Serial No. 524,289. 2 Claims. (Cl. 214—65.)



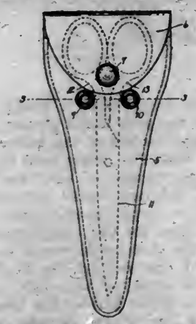
1. A safety warehouse truck, comprising an underslung rear axle provided with bearing wheels, a bed supportingly engaged by the underslung portion of said axle, a pivotally mounted bearing wheel connected with the front end of said bed and adapted for holding with said axle the bed in a horizontal plane, a plurality of rollers revolubly mounted transversely of said bed and arranged to turn therein by objects moved thereon, pulling means mounted on said bed and adapted for pulling objects over said rollers thereon, and a bumper arranged on said bed to limit the forward movement of objects on said rollers.

1,479,613. MULTIPLEX SIGNALING. BURTON W. KENDALL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 19, 1917. Serial No. 181,581. 49 Claims. (Cl. 179—15.)



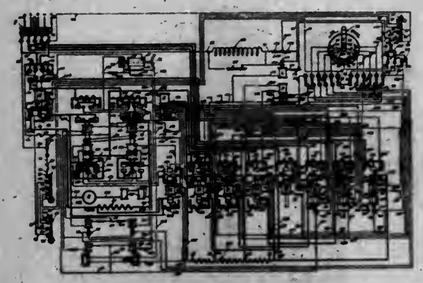
30. The method of signaling which comprises transmitting simultaneously in both directions over a transmission channel carrier waves each of which is continuously modulated in accordance with both telegraph and telephone signals, and receiving said telegraph and telephone signals separately.

1,479,614. SCISSORS CASE. OTTO J. KORHUMMEL, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a Firm composed of Carlton J. Bates and Hamilton C. Bates. Filed Jan. 26, 1923. Serial No. 614,980. 3 Claims. (Cl. 150—52.)



1. A scissors-case, including a pocket and two stops respectively located on opposite sides of and closely adjacent to a central, vertical line and adapted to limit the inward movement of a pair of scissors into the case.

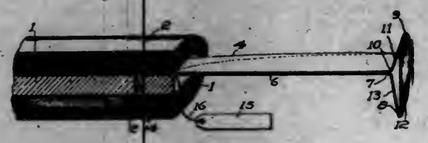
1,479,615. MULTIVOLTAGE SYSTEM OF CONTROL FOR ELEVATORS. GEORGE WILLIAM LAUTRUP, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 1, 1920. Serial No. 370,429. 26 Claims. (Cl 172—152.)



1. In a multi-voltage system of control, in combination with an electric motor, units forming a source of electrical supply for the motor, circuits to connect the motor with any desired number of the said units, a sectional resistance, certain of said circuits each including a section of the said resistance, speed controlling switches operable successively to close the said circuits to effect a step by step increase in voltage supply for the motor, and accelerating switches operable successively to short-circuit the resistance sections from their respective circuits and to open certain of the said first named motor circuits subsequently to their being closed by the speed controlling switches.

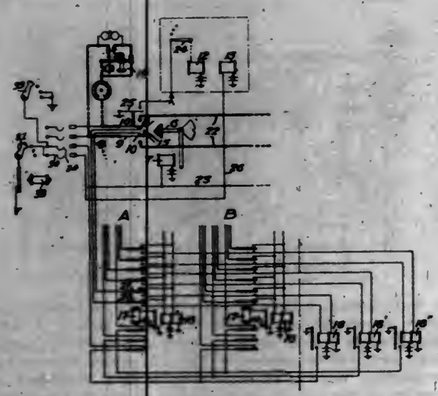
19. In a system of control for elevators, in combination with the car, a car switch, a hoisting motor, a reversing switch, an electro-magnet to operate the reversing switch, a by-pass resistance, an electro-magnet to control the said resistance, an electro-magnet having a circuit controlled by the car switch, to control a circuit for the second named electro-magnet, a holding magnet operatively associated with the reversing switch, and contacts operated by the said second named electro-magnet, controlling a circuit for the holding magnet.

1,479,616. LABEL FOR WOUND OR ROLLED FABRICS. STEPHEN C. LONERGAN, Pawtucket, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed Jan. 27, 1922. Serial No. 532,098. 1 Claim. (Cl. 40—28.)



A label for cloth wound upon a holder, comprising in its construction a flat card board portion adapted to be inserted between one surface of the holder and the adjacent cloth wound upon the holder, and an exposed label bearing portion also formed of card board and flexibly connected to the flat card board portion back of the label bearing surface longitudinally along a line of fold unequally distant from the two longitudinal edges of the label bearing portion that the narrower part of the label bearing portion at one side of the flexible connection may cover exposed edges of the cloth at one side of the holder, and the wider part of the label bearing portion at the other side of the flexible connection may cover the end of the holder and edges of the cloth at the other side of the holder.

1,479,617. TELEPHONE-EXCHANGE SYSTEM. JAMES L. MCQUARRIE and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1919. Serial No. 342,329. 8 Claims. (Cl. 179—18.)



1. In a telephone system, a subscriber's line, a trunk, a switch for connecting said line to said trunk, operating means for said switch normally connected to said line, a single member operable when a call is initiated on said line for disconnecting the line from said operating means, and for extending said line to said trunk, and means for controlling said member to effect the disconnection of said line and operating means only, when said line is called.

1,479,618. DISPLAY TURNTABLE. FRITZ P. MANSBENDEL, Brooklyn, N. Y. Filed Mar. 31, 1921. Serial No. 457,441. 9 Claims. (Cl. 211—20.)

1. A rotatable display support, including a stationary base, a rotatable top, an electric motor device contained between the base and top for rotating the latter, and a train of gears between said motor device and the



top, the latter carrying a gear wheel and the said train including a swinging gear for engagement with the gear of said top.

1,479,619. POWER-DRIVEN FAN. JOSE MARTINEZ, Palmdale, Calif. Filed Sept. 20, 1922. Serial No. 591,421. 3 Claims. (Cl. 230—33.)



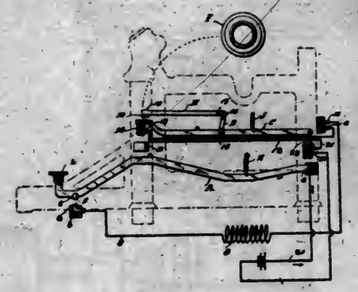
1. A fan comprising a series of blades, a support on which said blades are rotatably mounted, a pair of rubber straps attached at one end to said blades, a rotary member to which the other ends of said straps are attached, and a device reciprocable along said support and adapted to impart rotation in the same direction to said rotary member as the device is reciprocated.

1,479,620. SADDLE. FREDERICK MESINGER, New York, N. Y. Filed Mar. 14, 1922. Serial No. 543,616. 2 Claims. (Cl. 208—15.)



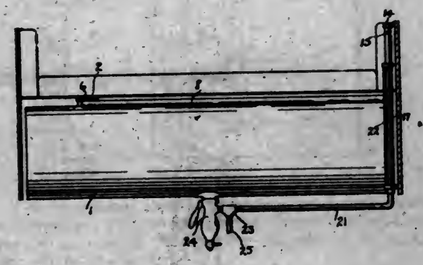
1. A saddle comprising a base having an upturned flange extending continuously around the outer margin of said base, a closed central portion defined by a V-shaped bead extending upwardly from said base, with its apex within the reduced end of said saddle, filling material held on said base against lateral displacement by said bead embedded in said filling material and a covering for said filling material secured at its outer margin to said base.

1,479,621. MAGNETIC TYPEWRITING MACHINE. WASHINGTON FLETCHER NICHOLS, Munfordville, Ky. Filed Sept. 5, 1922. Serial No. 586,148. 6 Claims. (Cl. 197—13.)



1. In a typewriting machine, in combination type bars, a movable magnet bar for each type bar and operatively connected to a type bar to actuate same, a magnet carried by each magnet bar, a control bar spaced from and located within the field of said magnet to cause attraction thereof when a magnet is energized, means to energize any desired magnet.

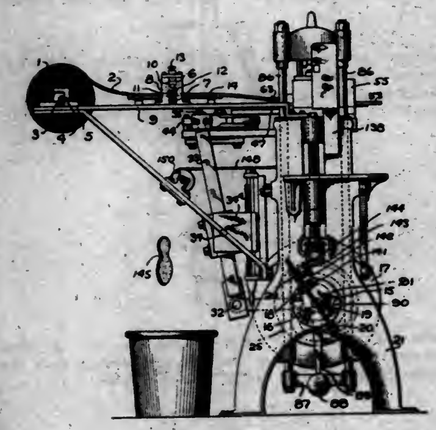
1,479,622. FUEL-TANK ATTACHMENT FOR AUTOMOBILES. STEPHEN I. OATES, Jr., and CHARLES H. CHEVES, Houston, Tex. Filed July 10, 1922. Serial No. 573,888. 5 Claims. (Cl. 220—86.)



1. In a device of the character described, an automobile fuel tank having a filling opening therein, a filling pipe having its end flattened and provided with an opening corresponding to said filling opening, a cap adapted to screw in said openings and secure said pipe to said tank, said cap having a lateral slot registering with said pipe whereby liquid fuel may enter said tank through said pipe and slot while said cap is in place, and an upturned outer end on said pipe.

1,479,623. MACHINE FOR CUTTING BLANKS. JOHN H. OVERTON, Trenton, N. J., assignor to Essex Rubber Company, Trenton, N. J., a Corporation of New Jersey. Filed Apr. 12, 1919. Serial No. 289,719. 38 Claims. (Cl. 164—21.)

1. In a machine for cutting blanks of a sheet of material in a condition approaching a plastic state, the combination of reciprocatory feeding means engaging a portion of said material of sufficient area to prevent substantial distortion of the material during the feeding operation, cutting means operating alternately with the



feeding means, and constantly acting feeding means arranged to draw the sheet from a source of supply and deliver it in slack condition to the reciprocatory means.

1,479,624. LIGHTER FOR CIGARS AND CIGARETTES. PAUL FABIAN, Trenton, N. J. Filed Nov. 28, 1922. Serial No. 603,739. 3 Claims. (Cl. 67—7.1.)

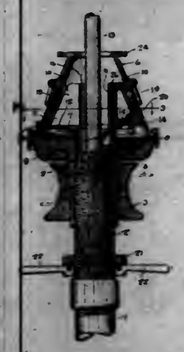


1. A device of the type described comprising a casing adapted to hold a combustible liquid, a tube extending completely through said casing, a wick inserted in said tube, said tube having a contracted portion near its upper end formed with an aperture, a hook attached to the wick, and a plug element carried by the hook and adapted to fit in the said tube, and spark producing means mounted on said casing.

1,479,625. CASING HEAD AND BLOW-OUT PREVENTER. WILLIAM LEE PALMER and MARSHALL MITCHELL, Long Beach, Calif., assignors of one-third to George Kammerer, Los Angeles, Calif. Filed Feb. 19, 1923. Serial No. 619,933. 7 Claims. (Cl. 166—15.)

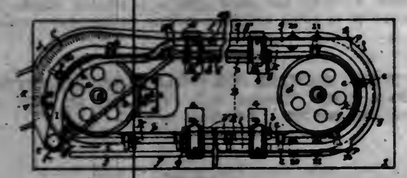
1. In oil well apparatus, the combination of an outer casing, a substantially conical head mounted over the outer casing, an inner casing passing upwardly through the outer casing and through the conical head, a plurality of slips within the conical head normally held in

a retracted position with respect to the inner casing and means for producing a relative movement between the



slips and the conical head operating to jam the slips toward the small end of the head and thereby close the outlet from the outer casing.

1,479,626. DRYING MACHINE. CARL G. PFEIFFER, Peekskill, N. Y. Filed June 12, 1920. Serial No. 388,479. 6 Claims. (Cl. 91—55.)



2. In combination with drying pads, pivoted axles for supporting and carrying the pads, the axles attached to an endless belt driven upon horizontal pulleys, means for driving one of the pulleys, a guide-path below the belt in which the pads travel, the traversing causing the pads to revolve, a groove above the belt as a guide to the top of the pads, the guide-path diverging and the upper guide converging near the point of delivery, the guide-path merging into an inclined plane, the inner edge of the plane lifting the carrier to separate it from the pad.

5. In a drying machine as described, means for carrying the drier pads comprising a slotted hub, a base to the hub for attachment to the carrier belt, an axle, a hub on the axle to fit in the slot in the hub, a pivot through the hub and the axle head, the upper corner of the axle head chambered away to a radius with the pivot.

6. In a drying machine as described, endless horizontal belt driven upon horizontal pulleys, with guides above and below the belt, means for tightening the belt and adapting the guides thereto, comprising slots in the base of the forward pulley whereby the base is slidable upon its foundation, and extensible means upon the top guide comprising a separable half-circular end of the frame with arms extended tangentially with the frame, with flange parts on the main frame extended to embrace said arms, slots through the said arms and extensions, and fastening bolts through the slots.

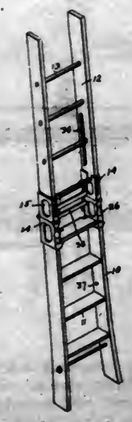
1,479,627. CASE FOR STEM-WINDING AND STEM-SETTING AUTOMOBILE CLOCKS. WILSON E. POSTE, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Sept. 12, 1922. Serial No. 587,662. 3 Claims. (Cl. 58—56.)

1. In a stem-winding and stem-setting automobile clock, the combination with a case provided at its forward end with internal screw-threads, of a removable clamping-ring provided with external screw-threads for engagement with the said internal screw-threads of the case, and also with internal screw-threads, and a removable bezel having external screw-threads for engagement



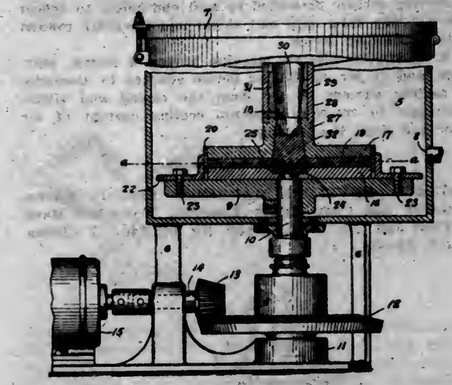
with the said internal screw-threads of the clamping-ring, whereby the bezel may be removed for regulating the clock from the front thereof without demounting the clock from the automobile.

1,479,628. HINGE LOCK. LUDWIG SEGER, Edgewater, N. J. Filed May 12, 1922. Serial No. 560,340. 3 Claims. (Cl. 228—23.)



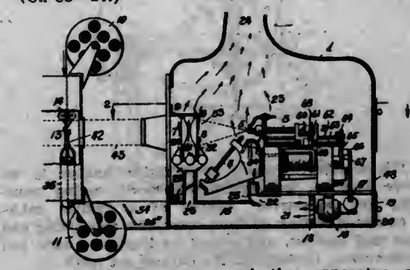
1. In a sectional combination step and extension ladder, hinged members, adapted to engage the meeting ends of the side bars of said ladder, and to be secured thereto, shoulders formed at one end of one of said members for supporting the uppermost step of the step ladder, hinge locks combined with said members for locking the side bars of said ladder sections in their adjusted positions as an extension ladder, clamps for holding said hinge locks in their locking position, a hooked bar pivotally secured to one of the side bars of one of the step ladder sections and to engage a pin on the other section, and a platform adapted to be attached to the rungs of one section and to rest on top of the uppermost step of the other section.

1,479,629. MOLD. ERNEST GAIDLEY SICARD, New York, N. Y. Filed Oct. 15, 1921. Serial No. 507,966. 8 Claims. (Cl. 22—65.)



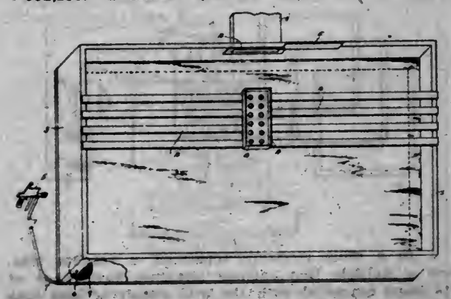
1. A mold comprising a central opening or gate, means situated at the bottom of the gate, made of material having a high fusing point and low conductivity, and a series of radial slots communicating with the bottom of the gate.

1,479,630. COOLING MOTION-PICTURE PROJECTORS AND FILMS. ELMER A. SPERRY, Brooklyn, N. Y. Filed Apr. 13, 1920. Serial No. 373,496. 9 Claims. (Cl. 88—17.)



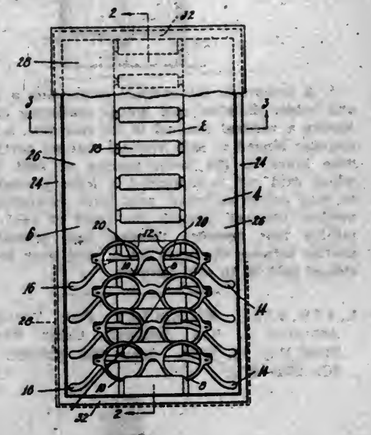
1. In a motion picture projecting apparatus, means for carrying a film, and means for directing parallel currents of a cooling fluid against opposite sides of the film and longitudinally.

1,479,631. SPRAY TANK. EDWARD M. STEPHENSON, Hartford, Conn. Filed Sept. 29, 1922. Serial No. 591,255. 1 Claim. (Cl. 91—45.)



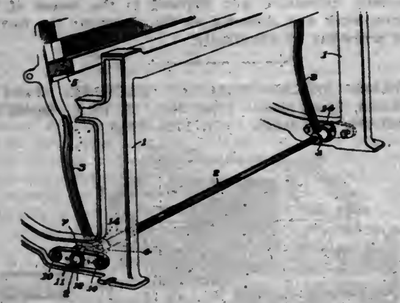
The combination with an open spray tank provided in its bottom with an outlet, a strainer over said outlet, a tube connected with the lower end of said outlet, a spray gun connected with said tube, and a rack supported upon the upper edge of said tank.

1,479,632. DISPLAY DEVICE. FREDERICK A. STEVENS, Providence, R. I., assignor to Stevens and Company, Inc., Providence, R. I., a Corporation of Rhode Island. Filed June 5, 1922. Serial No. 565,811. 11 Claims. (Cl. 211—28.)



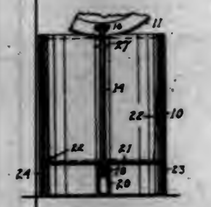
1. A device of the class described adapted to hold folded spectacles having, in combination, a pocket having walls, the width of the pocket being such that a portion of the rims of the folded spectacles may be received between the walls, and spaces on both sides of the pocket, the spaces being large enough to receive the ends of the temples of the folded spectacles.

1,479,633. LAY ROCK-SHAFT BEARING FOR LOOMS. WALLACE I. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 6, 1922. Serial No. 605,188. 5 Claims. (Cl. 64—10.)



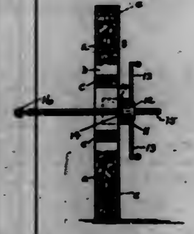
1. In a loom, the combination of the lay rock-shaft, lay swords having hubs secured to the lay rock-shaft, a rocker head having a bushing mounted on the lay rock-shaft and provided with a recessed face for receiving the hub of a lay sword and with a plurality of notches constructed and arranged to engage the lay sword and hold the rocker head and bushing in adjusted position on the lay rock-shaft, and a holding plate having a sleeve into which the bushing extends.

1,479,634. RECEPTACLE FOR GARBAGE AND SCRAP CANS. JAMES E. TOSCAN, Clarendon, Pa. Filed Dec. 2, 1921. Serial No. 519,505. 3 Claims. (Cl. 220—36.)



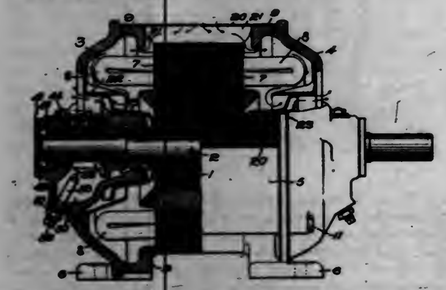
1. A receptacle for garbage comprising a garbage can and holder therefor, said holder consisting of a cylinder having a vertical channel in its rear side, a lid for said cylinder hinged to said vertical channel portion, a crosswise brace in the lower portion of said cylinder, by which said can is supported, a lever pivotally attached to said crosswise brace, said lever extending from said vertical channel through the front of said cylinder to receive foot pressure thereon, and pivotal link connection between the inner end of said lever and the under side of said lid in said channel.

1,479,635. STRETCHER FOR WOVEN WIRE. ABGIDIUS J. VAN ACKEREN, Cedar Rapids, Nebr. Filed May 11, 1923. Serial No. 638,222. 4 Claims. (Cl. 254—67.)



1. In a device for stretching woven wire to be secured to fence posts, a bearing-block provided with a cylindrical recess and adapted to be mounted on a post, a screw-bar connected with the wire and traversing the post, the bearing-block and cylindrical recess, and a revoluble, cylindrical nut disposed in the recess of the bearing-block and threaded on the screw-bar for moving said screw-bar longitudinally.

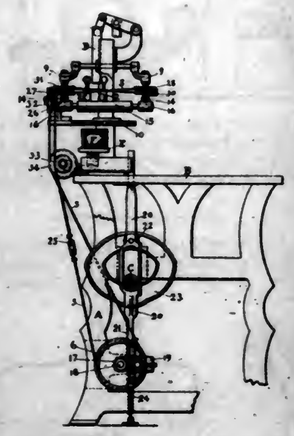
1,479,636. DYNAMO-ELECTRIC MACHINE. JOHN B. WIARD, Lynn, Mass. Filed Sept. 15, 1919. Serial No. 323,854. 4 Claims. (Cl. 172—120.)



1. A dynamo electric machine having a rotor, a stator, a casing and end shields, an air admission opening in the casing, an air discharge passage in an end shield, a ventilating device adapted to force a current of air into said casing and out through said end shield, air ducts causing said air to pass about the stator parts, a deflecting surface presented by said end shield to deflect the air way from said end shield and inwardly toward said ventilating device.

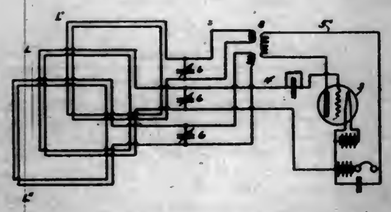
3. A dynamo electric machine having a casing, bearings, and an air ventilating device adapted to discharge a cooling current of air from the casing and simultaneously to create a separate cooling current of air over and about the bearings.

1,479,637. ENVELOPE MACHINE. EZRA P. WATERHOUSE and CARL HENRY LEKBERG, Worcester, Mass. Filed Jan. 20, 1923. Serial No. 613,846. 7 Claims. (Cl. 93—68.)



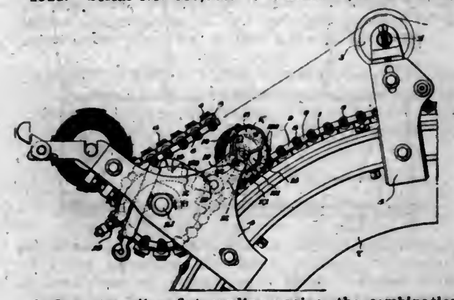
1. The combination with gumming mechanism in an envelope machine, including a reciprocally acting transfer-roll, and roll-carrier means; of a flexible cable-form carrier-operating element, means for supporting and guiding said element, and means for imparting back and forth movement thereto, for the purpose set forth.

1,479,638. MULTIPLE REGENERATIVE LOOP ANTENNA AND CIRCUIT. VLADIMIR K. ZWORYKIN, Kansas City, Mo. Filed Aug. 28, 1922. Serial No. 584,717. 4 Claims. (Cl. 250—20.)



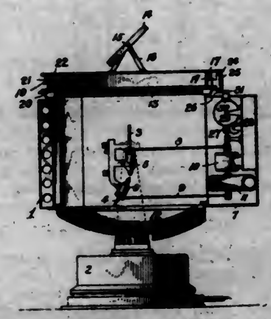
1. In a radio receiving apparatus, a vacuum tube, and a multiple loop antenna structure having one of its loops connected with the grid circuit of said tube and coupled with two or more loops in the plate circuit of said tube.

1,479,639. TRAVELING-FLAT CARDING ENGINE. GEORGE F. ALBRECHT, Woonsocket, R. I., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I., a Corporation of Rhode Island. Filed May 10, 1923. Serial No. 638,069. 7 Claims. (Cl. 19—111.)



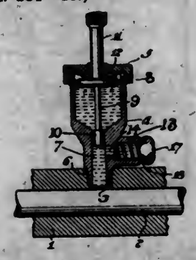
1. In a traveling flat carding engine, the combination with a clearer-brush for removing lint from the end-portions of the traveling flats, and a brush-support movable relatively to the chain of traveling flats, of means actuated through the movement of the said support to rotate the said brush.

1,479,640. LIGHT-PROJECTING APPARATUS. PRESTON R. BASSETT, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed June 11, 1920. Serial No. 388,193. 5 Claims. (Cl. 240—41.)



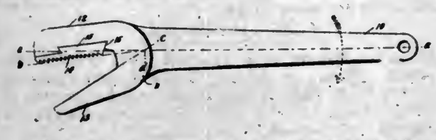
1. In combination with a searchlight, means at the rear of said searchlight for projecting a beam of light in a given direction, a rotatable reflecting means at the front of the searchlight in the path of only a portion of said beam, and power means for simultaneously rotating said reflecting means and ventilating said searchlight.

1,479,641. LUBRICATOR. JOHN ROMB BATTLE, Ardmore, Pa. Filed July 7, 1922. Serial No. 573,325. 5 Claims. (Cl. 184—45.)



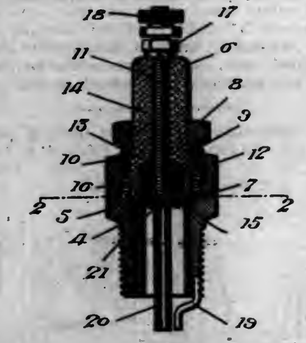
2. A lubricator comprising a reservoir having a passage connected therewith provided with inlet and discharge ports, a valve operable in said passage to vary the resistance to flow of lubricant from said inlet port to said reservoir, said inlet port communicating with said passage between the limits of movement of said valve, and means responsive to flow of lubricant to said reservoir for varying the position of said valve so as to bypass lubricant from said inlet to said discharge port.

1,479,642. PIPE WRENCH. JAMES A. BIZZELL, Baltimore, Md. Filed Sept. 23, 1922. Serial No. 590,060. 1 Claim. (Cl. 81—120.)



A fixed jaw wrench having a head and a handle or shank, a pair of divergently disposed jaws formed in said head with their operative faces arranged on the same side of a prolongation of the medial longitudinal line of the shank, said jaws arranged at an acute angle to each other and inclining away from said medial line, and said jaws arranged in planes which intersect at a point on said medial line and within said head, the dragging jaw being toothed.

1,479,643. SPARK PLUG. JOEL BLOMSTER, Hobarton, Iowa. Filed July 8, 1920. Serial No. 394,776. 1 Claim. (Cl. 123—169.)



A spark plug comprising a shell having a shoulder therein, an insulating bushing secured within the shell with the inner end of the bushing seated against said shoulder and provided with a recess, an electrode rod of substantially uniform diameter throughout its length extending through said bushing, a collar on said rod fitted in said recess, packing within the recess around the rod between said collar and bushing, a nut threaded on the outer terminal of the rod and bearing against said bushing to draw said collar into the recess, the rod having a bore extending from its inner end to a point adjacent to said collar and opening laterally within the shell adjacent to said shoulder and inner end of the bushing for the circulation of gas therethrough, the inner terminal of the rod projecting from the shell, and an electrode carried by the inner end of the shell and projecting toward one side of the inner terminal of said rod to provide a spark gap.

1,479,644. FOOT SCRAPER. FRANK E. BROWNE, Long Beach, Calif. Filed Mar. 1, 1922. Serial No. 540,245. 2 Claims. (Cl. 280—169.)

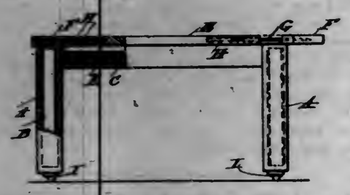
1. A foot scraper capable of being sustained in an upright position and comprising a sole scraping member having apertures, and a toe scraping member hingedly

associated with the first member which is adapted to be moved relatively thereto for the removal of dirt from



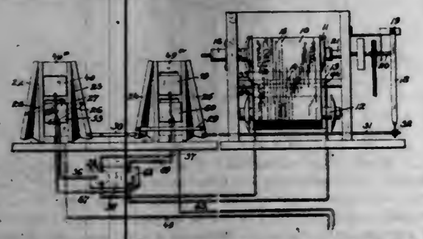
beneath said apertures, said first member being provided with spring returning means.

1,479,645. BENCH FOR PLAYER AND OTHER PIANOS. HENRY B. BRUCK, Cleveland, Ohio, assignor to The H. B. Bruck & Sons Company, a Corporation of Ohio. Filed July 15, 1921. Serial No. 485,129. 4 Claims. (Cl. 45—64.)



1. In a bench for a player piano, the combination with a horizontal receptacle, of hollow legs supporting the same, the aforesaid legs comprising pockets or compartments within which music rolls for a player piano may be stored, a hinged cover for the body of said receptacle, horizontal supports embedded in the ends of said hinged cover, and separate covers for the aforesaid legs, said covers slidingly movable in said supports.

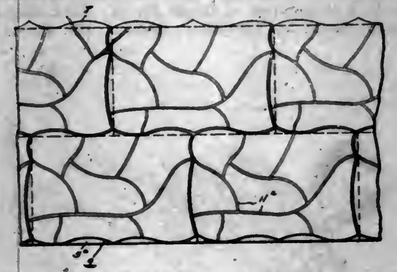
1,479,646. POSITION-RECTIFYING DEVICE FOR THE ROLLS OF PLAYER PIANOS. CHARLES E. CAMERON, Newark, N. J. Filed June 16, 1922. Serial No. 568,700. 4 Claims. (Cl. 84—140.)



1. A position rectifying device for the rolls of player pianos and the like comprising a player roll supporting device including a lateral positioning means for the roll, a tracker bar having guide openings at its ends, pneumatics, valves disposed so as to control said pneumatics under varying closures of said guide openings, a connection between said pneumatics, and a single connection from said pneumatics to the positioning means, the valves and the connection between such pneumatics being disposed so that the pneumatics operate to align the roll through control of one guide opening when the other of said guide openings is closed.

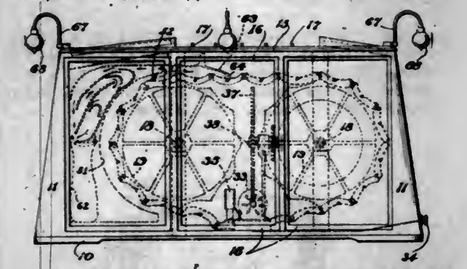
1,479,647. WALL AND BLOCK FOR FORMING THE SAME. HUGH C. CARROLL, McKeesport, Pa. Filed Oct. 28, 1922. Serial No. 597,535. 1 Claim. (Cl. 72—25.)

A block of the character described comprising an inner portion and an outer portion, the inner portion having its edges straight and rectangular and the outer portion having its face irregularly channeled in imitation of the joints between a plurality of irregularly formed stone, the edges of the outer portion of the block



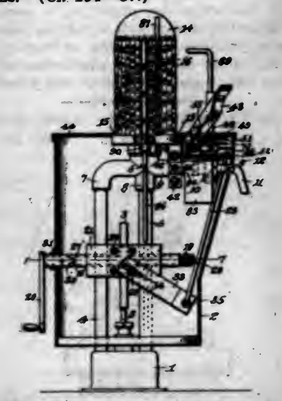
being irregularly shaped and matching the contacting portions of adjacent blocks and producing joints between adjacent blocks corresponding in appearance to the imitation joints formed on the face of the block.

1,479,648. FLYCATCHER. CHARLES J. CASTERA, Los Angeles, Calif. Filed Oct. 31, 1921. Serial No. 511,630. 8 Claims. (Cl. 43—111.)



1. In a fly trap, a housing, portions of the walls and top thereof being provided with removable panels, there being an opening in the top of said housing, and means within said housing for attracting and catching flies.

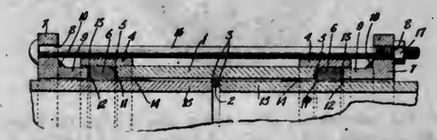
1,479,649. GASOLINE DISPENSER. MARCUS C. CHISM, WILLIAM T. FLETCHER, CARROLL E. LORD, and VICTOR H. FUTCH, Nashville, Ga.; said Fletcher assignor to said Chism. Filed Dec. 7, 1922. Serial No. 605,403. 19 Claims. (Cl. 194—87.)



1. A dispensing apparatus for fluids comprising a measuring element, a pumping element for supplying fluids to said measuring element, a normally closed outlet valve mechanism associated therewith, a normally

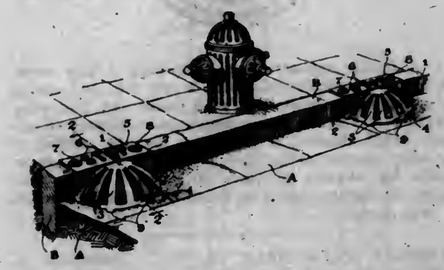
locked actuating element for opening and closing said valve mechanism, a carrier overlapping said actuating element and adapted to be coupled therewith to release the same, to permit of the operation thereof, to open said valve mechanism to cause a discharge of fluid from the measuring element, and means actuated by said carrier when coupled to said actuating element to discontinue the operation of said pumping element.

1,479,650. PIPE COUPLING. JAMES CLARK, Bradford, Pa., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa., a Corporation of Pennsylvania. Filed Apr. 13, 1921. Serial No. 461,036. 11 Claims. (Cl. 285—132.)



1. The herein described coupling for thick wall and high pressure plain end pipes, formed of wrought metal and comprising among its members a middle ring consisting of a central sleeve, separately formed end sleeves surrounding the end portions of the central sleeve and projecting beyond the same to form packing recesses, a filet engaging each end of the central sleeve and the inner face of the adjacent end sleeve and provided with a conical packing engaging face extending from the adjacent end of the central sleeve outwardly, and forming the inner end of the adjacent packing recess, packings in said packing recess having annular beveled portions to engage the conical face of said filets, clamping rings comprising annular flanges provided with bolt holes and annular portions adapted to engage the packing rings and clamping bolts.

1,479,651. DEVICE FOR MARKING PARKING LIMITS FOR VEHICLES. EVERETT G. CLEMENTS, Washington, D. C. Filed June 29, 1923. Serial No. 648,562. 14 Claims. (Cl. 40—125.)



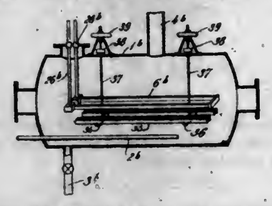
14. A device for indicating the limits of zones prohibiting parking of vehicles adjacent the curbing of street highways comprising slightly elevated means fixed against lateral movement at the limits of said zones and adapted, while in operative position, to permit passage of a vehicle thereover.

1,479,652. FISH LURE. CHARLES CRANSTONE, Newport News, Va. Filed May 2, 1922. Serial No. 557,824. 4 Claims. (Cl. 43—35.)



1. A device of the character described, comprising a hollow body having an opening therein, pivotally mounted hooks normally within the body and movable through said opening to project the hooks, elastic means exerting pressure on the hooks to swing them outward through the opening, a device operated by the fish line and holding the hooks against the action of the elastic means within the body.

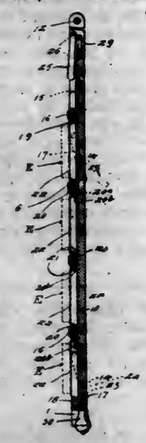
1,479,653. METHOD OF CRACKING OILS. JOSEPH GEORGE DAVIDSON, Pittsburgh, Pa., assignor to Charles H. Conner, New York, N. Y. Filed June 10, 1920, Serial No. 387,967. Renewed Oct. 24, 1922. Serial No. 596,685. 11 Claims. (Cl. 196—25.)



2. The method of cracking oil, which comprises immersing in a relatively large body of oil a plurality of resistors of massive construction connected with sources of poly-phase alternating current and heating the oil by means of such resistors to the cracking temperature and pressure.

7. The method of cracking oils, which comprises immersing in a body of the oil massive electric resistors heated by alternating current to the cracking temperature and periodically removing the carbon deposit from said resistors without removal thereof from the still.

1,479,654. ERASER-CLEANING APPARATUS. GEORGE WASHINGTON EMMONS, Ontario, Wis. Filed Oct. 21, 1921. Serial No. 509,378. 8 Claims. (Cl. 35—15.)

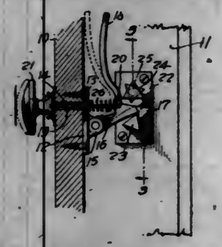


1. An eraser holding and cleaning rack having relatively slidable base and frame members and transverse holder bars between which the erasers may be arranged, the terminal bars being carried respectively by said members and the intermediate bars being loose for movement to suit the length of the interposed eraser.

1,479,655. DOOR LATCH. ROSCOE BERYL EVANS, Dermott, Ark. Filed Sept. 18, 1922. Serial No. 588,865. 3 Claims. (Cl. 292—108.)

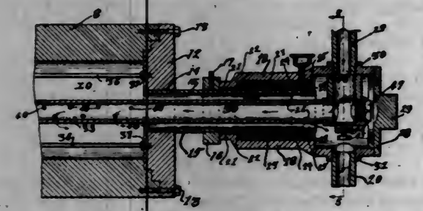
3. A door latch comprising a fulcrumed latch bar, a strike plate provided with spaced triangular abutments, one of said abutments being rigid and positioned to interengage with the latch bar, and the other adapted to be

manually rotated to vary the interval between the proximate portions of the abutments, the greater interval permitting the unlatching of the latch but limit-



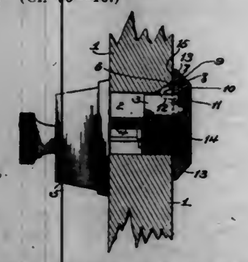
ing its movement, the lesser interval preventing such unlatching, and manual means for applying unlatching stress to the latching member.

1,479,656. COMBINED MILL TEE AND STUFFING BOX. RALPH FETTERLEY, Akron, Ohio. Filed July 29, 1920. Serial No. 399,735. 2 Claims. (Cl. 285—22.)



1. In a device of the class described, the combination with a mill roll having an enclosed cavity, of a tube coaxially secured thereto so as to extend outwardly therefrom with the bore of the tube communicating with said cavity, a casing surrounding the outwardly projecting portion of said tube, a packing gland in said casing, a supply pipe leading to said casing, an outlet leading therefrom, a pipe extending from said casing through said tube and into said roll, pipe supporting means in said roll, said means adapted to rotate with said roll about said pipe, a tee on the outer end of said pipe and means within said casing to detachably secure the stem of said tee against the wall of said casing with the bore in the tee communicating with the bore in said inlet pipe, substantially as and for the purpose herein set forth.

1,479,657. FACING RING FOR CYLINDER LOCKS. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 10, 1922. Serial No. 593,489. 4 Claims. (Cl. 70—46.)



1. A facing ring for a cylinder lock formed in a single piece of hard sheet metal bent upon itself and providing at its inner edge portion a recessed seat for the flanged or headed end of a cylinder lock.

1,479,658. FACING-RING STRUCTURE FOR CYLINDER LOCKS. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 30, 1922. Serial No. 597,937. 4 Claims. (Cl. 70—46.)



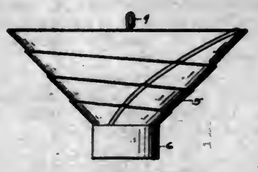
2. The combination of a facing ring having its body made of hard metal solid throughout and having a recess, a spring annulus carried in the recess of said ring, and a plurality of spring fingers, projecting forwardly from said annulus within said facing ring.

1,479,659. FACING-RING STRUCTURE FOR CYLINDER LOCKS. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 30, 1922. Serial No. 597,938. 2 Claims. (Cl. 70—46.)



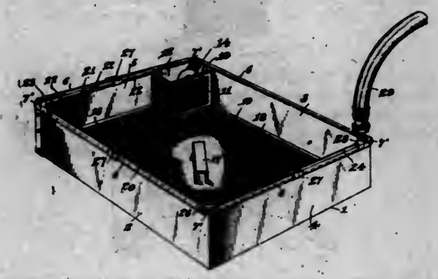
1. A facing ring structure, comprising a body member having an annular recess in its rear face, an annulus of spring metal located in said recess and projecting inwardly beyond the same, said annulus having an annular flange disposed in said recess, an edge portion of the body member overlying a portion of said flange to retain the annulus in place, and spring fingers projecting forwardly from the inwardly projecting portion of said annulus.

1,479,660. COLLAPSIBLE FUNNEL. FREDERICK F. FULLER, Govert, S. Dak. Filed July 10, 1923. Serial No. 650,663. 4 Claims. (Cl. 226—38.)



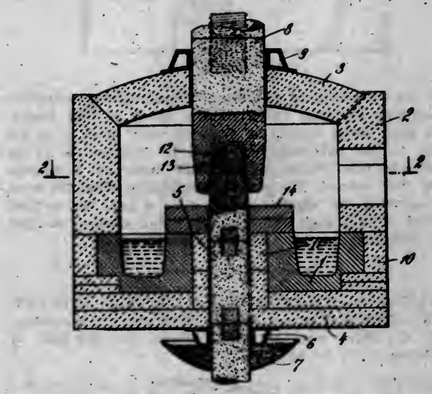
1. A funnel of the character described formed of a single spiral strip, interengaging means between the end of the inner convolution of the strip and the inner face of the next succeeding convolution, interengaging ribs and grooves upon the contacting convolutions and a ring-like base with which the lower convolution is engaged.

1,479,661. WASHING APPARATUS. CHARLES C. GATES, Clare, Mich. Filed Sept. 26, 1922. Serial No. 590,695. 5 Claims. (Cl. 95—97.)



1. A washing apparatus for the purpose set forth comprising a receptacle, angle shaped supporting means arranged therein, a siphoning element extended within said receptacle, a gdard surrounding said element, a foraminous support mounted on said means and cut away to provide a clearance for said guard, spray pipes arranged within the receptacle and communicating with a water supply, and a support carried by the bottom of said receptacle and arranged below the center of the foraminous element.

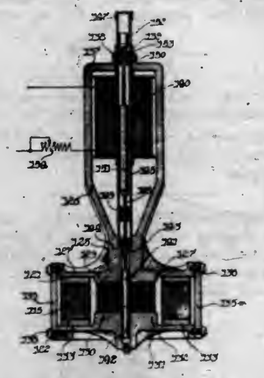
1,479,662. SMELTING ORES OF LOW-VOLATILE METALS AND MELTING SUCH METALS. JAMES H. GRAY, New York, N. Y. Filed Feb. 17, 1921. Serial No. 445,620. 20 Claims. (Cl. 204—64.)



1. The method of providing a heat for smelting ores of low volatile metals and similar purposes which consists in maintaining an arc between two vertical electrodes of different diameters so that the upper electrode will direct the heat of the arc downward toward the charge.

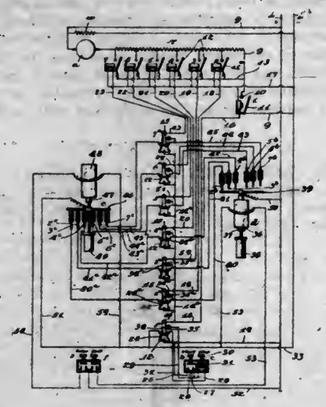
1,479,663. RELAY AND THE LIKE. ALFRED HESS, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1920. Serial No. 358,866. 50 Claims. (Cl. 171—119.)

1. In combination, a winding adapted to be connected to a source of periodically varying current, a variable resistance conductor for varying the conductive effect of said winding, said conductor comprising a conducting



fluid and a movable member conductively in parallel relation with said fluid, and means governed by the variations in inductive effect of said winding.

1,479,664. SPEED-REGULATING SYSTEM FOR ELECTRIC MOTORS. WILLIAM T. HOLMES, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 29, 1922. Serial No. 584,956. 7 Claims. (Cl. 172—179.)



1. In a speed regulating system for electric motors, an armature circuit, a resistance therein, means for opening and closing said circuit, a series of speed regulating contactors adapted to cut in and out sections of said resistance, separate circuits for said contactors, a series of relays for closing the latter circuits, control circuits for said relays, an accelerating switch adapted to close said control circuits in succession, a decelerating switch adapted to open said control circuits in the reverse order of their closure, and means for actuating said accelerating and decelerating switches at will.

1,479,665. CORN AND BUNION PROTECTOR. PHILIP IROFF, Brooklyn, N. Y. Filed Oct. 7, 1922. Serial No. 593,027. 3 Claims. (Cl. 128—153.)

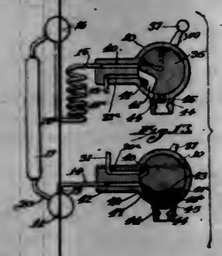
1. A corn and bunion shield comprising a cap, a strap fixed at one end to one side of said cap, a strip of elastic material extending under tension along the op-

posite side of the cap and having the other end of the strap engaged thereunder, said cap having a pair of



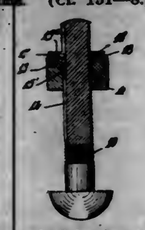
slots formed therein, and said strip having its ends inserted through said slots and secured to the inner face of the cap.

1,479,666. DISPENSING APPARATUS. BIRGER JOHNSEN, Los Angeles, Calif., assignor to Zelzah Carbonator Co., Los Angeles, Calif., a Corporation of California. Filed Nov. 16, 1922. Serial No. 601,327. 5 Claims. (Cl. 225—21.)



1. A carbonated water apparatus comprising a cooled water vessel, a draft valve body on the upper portion of said vessel, a distributing chamber arranged in the lower portion of the vessel, a water chamber in the upper portion of the vessel, means connecting the distributing chamber and the water chamber, and a gas supply and carbonated water outlet pipe connected to the distributing chamber, said pipe connecting with said valve.

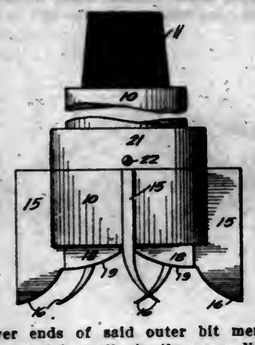
1,479,667. NUT LOCK. RUDOLPH E. KLIAVIN, Seattle, Wash., assignor of forty per cent to Kiril Tohtieff, Aberdeen, Wash. Filed Nov. 2, 1922. Serial No. 598,460. 3 Claims. (Cl. 151—8.)



1. In combination, a bolt having a longitudinal groove, a nut having its outer face formed with a radial groove, and having an undercut peripheral recess communicating with said groove, a two-armed key having one arm engaging in the said longitudinal groove and the other arm engaging in the radial groove, and a retaining element for said key adapted to engage in the said recess in the periphery of the nut to prevent axial displacement of the key.

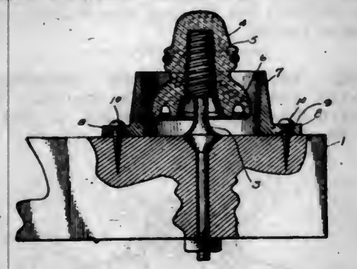
1,479,668. WELL-DRILL BIT. WILLIAM R. LYLE, Los Angeles, Calif. Filed June 20, 1921. Serial No. 478,942. 2 Claims. (Cl. 255—61.)

1. The combination with a drill body, of inner bit members removably positioned on the under side of said drill body, the lower edges of which inner bit members are curved, outer bit members arranged on the lower portion of the drill body, portions of which outer bit members overlie the outer ends of the inner bit members,



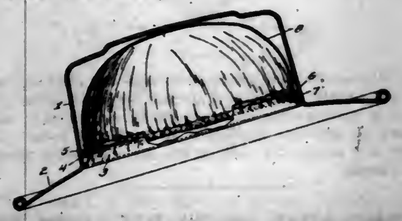
and the lower ends of said outer bit members being pointed and curved laterally in the same direction with respect to the axis of the drill body.

1,479,669. INSULATOR PROTECTOR. JAMES ERNEST MCCLAIN, Greenville, Tex., assignor of one-half to James H. Dinsmore and Bruce M. McMahan, both of Greenville, Tex. Filed Mar. 4, 1920. Serial No. 363,309. 2 Claims. (Cl. 173—28.)



1. As an article of manufacture an insulator protector comprising an open ended annular shell of cast metal, said shell being formed so that its outer wall is at an angle to the perpendicular when in position so as to reduce to a minimum the shock of impact of a missile from the ground, integral lugs extending from the base for securing the shell in position on a bar, the bottom surface of said shell and said lugs being a plane so that the shell may be affixed to any width of bar.

1,479,670. ADJUSTABLE-HEAD-SIZE HAT AND LINING THEREFOR. JANIE A. MCKNIGHT, Lincolnton, N. C. Filed Apr. 11, 1922. Serial No. 551,499. 3 Claims. (Cl. 2—113.)



1. An attachment for hats comprising a frusto-conical bandeau formed from a strip of flexible material cut on bias, of substantial width and adapted to have its lower edge secured within and to the bottom of a hat crown, said bandeau having its upper edge provided with an

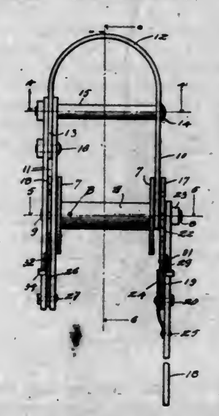
elastic element for contracting said edge, and a crown lining having its lower end provided with a continuous encased metallic element corresponding in contour to the shape of the lower end of the lining and seated on the bandeau between the top and bottom edges thereof for retaining the lining within the crown.

1,479,671. FACING-RING STRUCTURE FOR LOCKS. EDWIN I. NOTTINGHAM, Washington, D. C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Dec. 29, 1922. Serial No. 609,636. 6 Claims. (Cl. 70—46.)



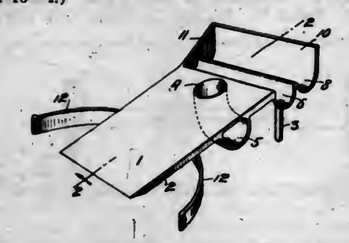
1. The combination with a facing ring, of an annular sheet metal portion embracing the same and having an inwardly projecting split annular member forming a plurality of spring fingers.

1,479,672. PORTABLE WINDLASS JACK. LESTER N. NULL, Oilton, Okla., assignor of one-half to John W. Smith, Oilton, Okla. Filed Oct. 14, 1921. Serial No. 507,616. 1 Claim. (Cl. 254—168.)



A windlass jack having a reel provided with trunnions, a U-shaped frame having an arm in which one of said trunnions is journaled, a ratchet wheel rigid on the last mentioned trunnion, a lever journaled on the last mentioned trunnion, a pawl on said lever engageable with said ratchet wheel, a fastening member on the last mentioned trunnion beyond said lever, the arch of the frame extending from said arm and terminating in an arm shorter than and at a distance from said arm, a bolt spanning said arm intermediate said reel and arch and passing through the second mentioned arm, bars through which said bolt passes engageable with opposite sides of the second arm and projecting beyond the end of the same, means on said bolt in abutment with the innermost bar, a ratchet wheel intermediate said bars in line with the second arm and rigid with the other trunnion, a fastening intermediate said bolt and ratchet wheel securing the second arm and bars together to supplement the fastening of the bars by said bolt, and a pawl cooperating with the second mentioned ratchet wheel pivoted to and intermediate said bars adjacent their distal ends.

1,479,673. DEVICE FOR PRACTICE OF GOLF PUTTING. EDWIN SANFORD PHELPS, Montclair, N. J. Filed Mar. 24, 1922. Serial No. 627,390. 4 Claims. (Cl. 46—4.)



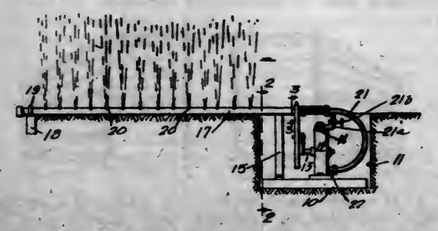
1. A device for practice of golf putting, comprising an inclined plane formed with a ball-receiving opening adjacent to its upper end and a plurality of parallel inclined troughs extending transversely to the upper end of the inclined plane to receive a ball that fails to enter the opening in the plane and may pass to either side thereof, the outermost trough having a rear wall extending above the pitch of the inclined plane.

1,479,674. LAMP BURNER. PETER PRITULA and CONSTANTINE KOROL, Ratner, Saskatchewan, Canada. Filed Oct. 26, 1922. Serial No. 597,108. 2 Claims. (Cl. 67—78.)



1. In a flame extinguisher for lamp burners, wherein a burner is provided with a wick tube, and a shaft carrying spur wheels projecting into the wick tube, a sleeve slidably mounted on said shaft, a pinion carried by said sleeve, a second shaft journaled parallel with the first named shaft, a gear wheel fixed thereto, and a shutter carried by said shaft and having the upper end thereof positioned overlying the open upper end of the wick tube and adapted to be so moved when the pinion and gear are in mesh.

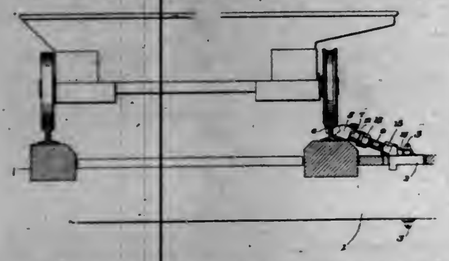
1,479,675. LAWN SPRINKLER. BEN REES, Anaheim, Calif. Filed June 20, 1921. Serial No. 479,010. 3 Claims. (Cl. 299—67.)



1. The combination, with a rotary water motor having an axially disposed shaft, of a perforated pipe mounted for rocking movement in suitable bearings and on an axis substantially parallel with said shaft, a connection

from the discharge side of the water motor to said pipe, a slotted arm secured to said pipe, and a crank fixed to the shaft of the water motor and having a portion arranged in the slot in said arm whereby rocking movement is imparted to the perforated pipe as the water motor is rotated.

1,479,676. TRACK BRACE. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, Olean, N. Y., a Corporation of New York. Filed Apr. 23, 1923. Serial No. 633,861. 1 Claim. (Cl. 238—336.)



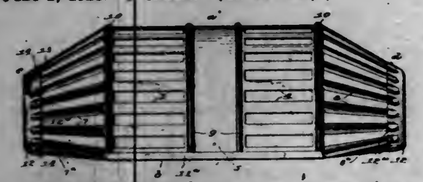
A track brace including two heads having right and left hand threaded sockets, a rod having right and left threads screwing into said sockets, one head constructed and adapted to fit a rail and the other a supporting beam, the heads having holes therethrough and bolts extending through the holes in the heads into the rail and beam respectively.

1,479,677. ANIMAL TRAP. EDWIN ROLKER, Baltimore, Md., assignor to Milton Roberts, Baltimore County, Md. Filed Apr. 23, 1921, Serial No. 463,846. Renewed June 2, 1923. 6 Claims. (Cl. 43—65.)



1. An animal trap comprising a top composed of a metal sheet punched to provide two transverse series of spaced bars, extending lengthwise of the top, and intermediate tongues, the latter bent over at the ends of the sheet and extended beyond its ends, and entrance and exit fitting secured to the ends of the tongues.

1,479,678. ANIMAL TRAP. EDWIN ROLKER, Baltimore, Md., assignor to Milton Roberts, Baltimore County, Md. Filed June 15, 1921, Serial No. 477,722. Renewed June 2, 1923. 3 Claims. (Cl. 43—65.)



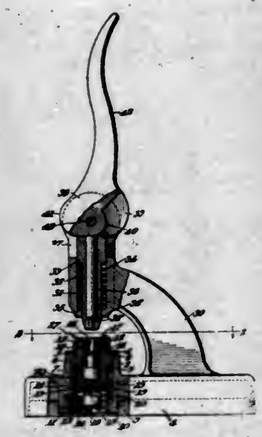
1. In a sheet metal animal trap, a top and a bottom, each comprising an elongated metal sheet having its ends slotted longitudinally, forming a plurality of spaced end bars, and annular entrance and exit fittings of smaller diameter than the body, secured to the ends of said bars.

1,479,679. HOSE CLAMP. OSCAR NELSON SANDHOLM, Denver, Colo. Filed Jan. 22, 1923. Serial No. 614,279. 2 Claims. (Cl. 24—19.)



1. A fastening device comprising a band, spaced arms on one end of said band, a threaded nut having supporting arms on the opposite sides of said nut and journalled in said spaced arms, a screw bolt threaded in said nut and between said supporting arms, said band adjacent said spaced arms having a slot therein, and the end of said band opposite to said spaced arms being more narrow than the width of said slot and having a socket at the end thereof for the reception of the thrust end of said screw.

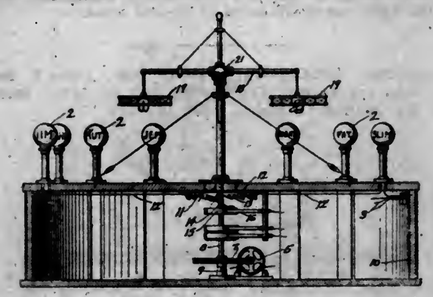
1,479,680. MACHINE FOR FORMING AND SETTING FASTENERS FOR PAPERS AND OTHER MATERIALS. CEDRIC P. SIBLEY, Detroit, Mich. Filed Nov. 1, 1922. Serial No. 598,400. 21 Claims. (Cl. 1—2.1.)



12. In a machine for forming and setting fasteners for papers and other materials, an apertured anvil adapted to receive a fastener blank, a pin a portion of which is adapted to be projected through the aperture of said anvil, a bored plunger mounted for sliding movement toward said anvil and having a punch member mounted for relative sliding movement within said bore, means for moving said plunger into operative engagement with said fastener blank to project said extension and form a fastener from said blank, and means for moving said plunger and with it said punch member to set said fastener.

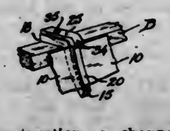
1,479,681. GAME. RAYMOND I. SMITH, Venice, Calif. Filed Apr. 15, 1922. Serial No. 552,845. 3 Claims. (Cl. 46—56.)

1. In an amusement device, a rotary mast, a series of lanterns arranged about the mast and provided with electric bulbs, a plurality of contact members each respectively connected with certain of the lamps, a control brush secured upon the mast, service wires from a source of supply, one of which is common to the lanterns and



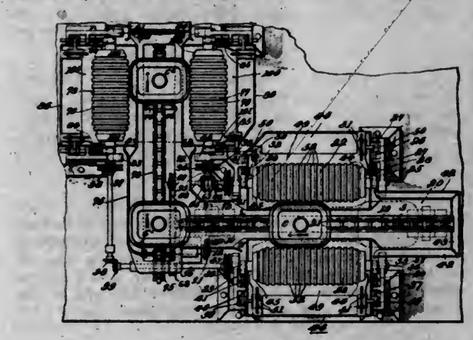
the other of which is connected to the brush secured upon the mast, and in which wire is arranged a plurality of switches in series to be manually closed for controlling the operation of the circuit closing means.

1,479,682. FLUME CONSTRUCTION. WILLIAM J. SMITH, Denver, Colo., assignor of one-fourth to James S. De Reamer and one-fourth to Carl B. Daniels, both of Denver, Colo. Filed May 2, 1921. Serial No. 466,078. 11 Claims. (Cl. 61—15.)



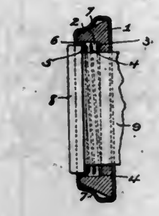
1. In flume construction, a channel shaped hanger, a pair of opposed sections having their ends disposed in the channel, and clamping members engaging the upper edges of said sections to retain the same in engagement with the hanger, the outer portions of said clamping members being removably secured in the channel of the hanger.

1,479,683. SQUARE-CAN-COATING MACHINE. THOMAS LUCIEN TALIAFERRO, Chicago, Ill. Filed Apr. 6, 1921. Serial No. 459,073. 19 Claims. (Cl. 113—80.)



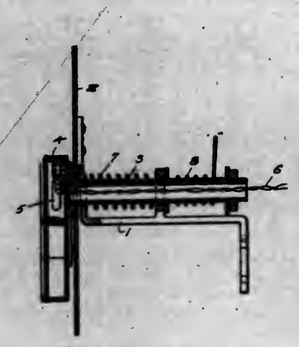
1. A machine for coating with sealing material can covers having straight edge portions and rounded corner portions including in combination devices for engaging the straight and rounded edge portions of the cover in succession, and means for conveying the covers bodily between said devices whereby the sealing material is scraped from the devices on to the cover.

1,479,684. FACING-RING STRUCTURE FOR CYLINDER LOCKS. FRANK E. THOMPSON and CHARLES LEDIN, Stamford, Conn., assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 30, 1922. Serial No. 597,916. 6 Claims. (Cl. 70—46.)



2. The combination of a facing ring having a solid body portion of hardened steel, a spring member carried by said body portion to yieldingly press against the flanged head of a lock cylinder, and a metal scalp covering the said body portion of the ring and constituting limiting means for the spring member.

1,479,685. VEHICLE TRAFFIC SIGNAL. ERNEST WARD, Independence, Mo. Filed Jan. 19, 1923. Serial No. 613,700. 1 Claim. (Cl. 116—51.)

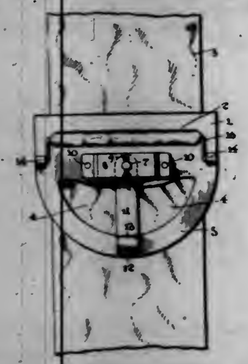


A signal of the class described including a bracket provided with spaced upstanding bearings, a shaft journaled in said bearings, an indicator carried on said shaft beyond one of the bearings, a dial coacting with said indicator and in which said shaft is journaled, said dial being located intermediate the indicator and adjacent bearing and secured to the bracket, the other end of the shaft extending beyond the other bearings, operating mechanism connected to the shaft at the latter end, and a return spring for the shaft surrounding the same and located intermediate the bearings.

1,479,686. HARNESS BUCKLE. THOMAS ESCOR WILKINS, Cullman, Ala. Filed July 25, 1923. Serial No. 653,721. 2 Claims. (Cl. 54—54.)

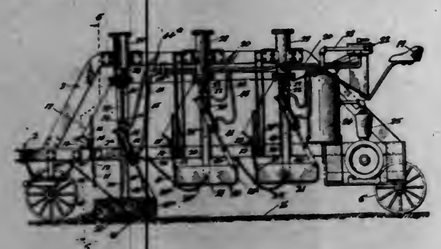
1. A back band buckle comprising, a plate having a transverse slot through its upper portion, and formed to provide a semi-circular track at its lower portion, a pair of spaced apertured lugs integral with the outer surface of said plate and arranged below the ends of said slot, a swinging clamp bar extending across and parallel with said slot and having angle shaped terminal portions pivoted in said lugs, a centrally positioned pivot

pin extending forward of and at right angles to the surface of said plate, and a headed trace chain coupling



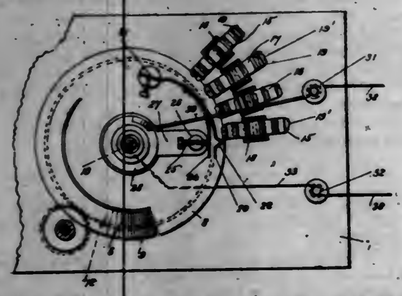
member pivotally supported at its upper end on said pin and having its head carrying said chain and slidable upon said track.

1,479,687. WHEELED SCRAPER. SPRUILLE A. WILSON, Sherman, Calif. Filed July 5, 1922. Serial No. 572,950. 13 Claims. (Cl. 37—127.)



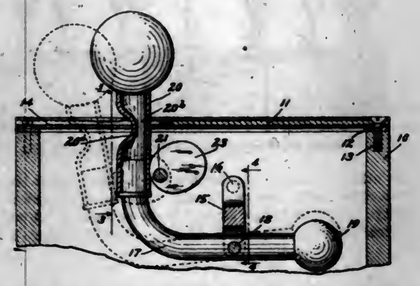
1. A wheeled scraper having, in combination, a scraping shovel, and fluid pressure means for raising and lowering the shovel to effective position and a fluid pressure means for tilting the shovel when in its elevated position.

1,479,688. TELEGRAPH TRANSMITTER. FREEMAN W. WRIGHT, Venezia, Ariz. Filed Feb. 6, 1922. Serial No. 534,827. 10 Claims. (Cl. 178—115.)



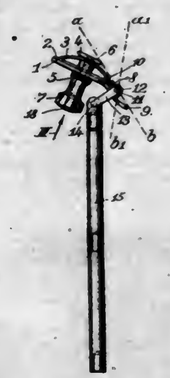
1. In a telegraph transmitter, a series of character wheels having raised characters, said characters being arranged parallel to each other, and each character wheel being mounted on a separate axis and certain of the said wheels having a different number of characters from the others, a single make and break device which is operated by all the said characters, and means for revolving the character wheels step by step selectively and placing the selected characters in engagement with the make and break device in regular order.

1,479,689. DISAPPEARING GOLF TEE. JACOB F. ZELLER, Los Angeles, Calif. Filed Oct. 20, 1921. Serial No. 509,086. 8 Claims. (Cl. 46—4.)



1. A golf tee, comprising a housing, a section of flexible material closing the top thereof, there being a slot formed in said flexible covering, a substantially L-shaped arm pivotally mounted within the housing, and a flexible tubular member indented on one side and carried by the vertical leg of said L-shaped arm and projecting upwardly through the slot in said cover member.

1,479,690. SAFETY RAZOR. ADOLF ANGST, Schaffhausen, Switzerland. Filed Jan. 5, 1923. Serial No 610,871. 9 Claims. (Cl. 30—12.)

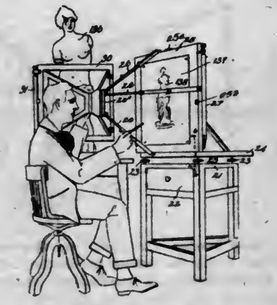


1. A safety razor comprising in combination a blade holder and a blade exchangeably mounted on the former, guide means fixed on said blade holder and comprising a guard rod arranged in front of the cutting edge of the blade at some distance from said edge, and a handle pivotally connected to said blade holder, the axis of the pivot coinciding with the axis of said guard rod.

1,479,691. DRAWING APPARATUS. ROY P. ANSTOCK, Mahanoy City, Pa. Filed Oct. 5, 1920. Serial No. 414,925. 18 Claims. (Cl. 88—24.)

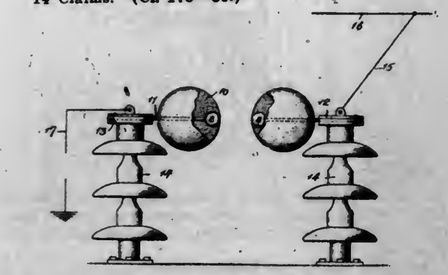
1. A device of the character described, comprising a mirror provided with an opening through which an operator stationed at the rear of the mirror can see through the mirror, a second mirror, said second mirror being

inclined relatively to the first mirror for enabling the operator to see through said opening the image of an object located in a direction at an angle to his line of



vision, and a plurality of other mirrors for enabling the operator to see a vignette of the picture being drawn or painted.

1,479,692. ARC GAP. CHARLES E. BENNETT, Atlanta, Ga., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed May 25, 1920. Serial No. 384,221. 14 Claims. (Cl. 175—30.)



1. In the arc gap installation, a pair of electrodes operative when dry, and associated means operative only when wet to compensate the lowered impedance of the gap in the presence of moisture and serving to maintain the gap rating substantially uniform under wet and dry conditions.

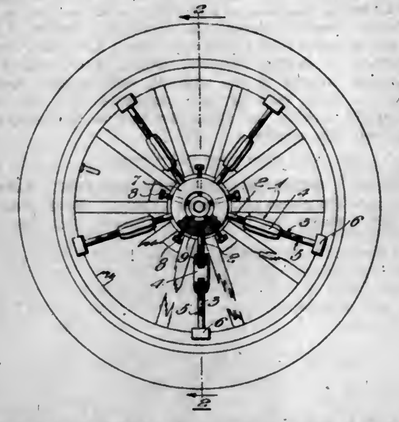
1,479,693. ARC GAP. CHARLES E. BENNETT, Atlanta, Ga., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Aug. 10, 1920. Serial No. 402,569. 12 Claims. (Cl. 175—30.)



1. In an arc gap installation, a pair of gap terminals, and condenser elements associated with said terminals and affecting the flux field across the gap.

1,479,694. EMERGENCY WHEEL SPOKE. OTTO BLEADO, Manistee, Mich. Filed Apr. 19, 1923. Serial No. 633,213. 2 Claims. (Cl. 301—104.)

2. An emergency device for application to automobile wheels comprising a hub encircling ring, adjustable means carried thereby for connecting it with the wheel hub, and one or more supplemental spokes associated with said ring, each spoke being composed of sections



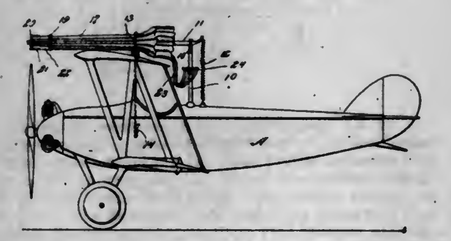
adjustably connected together, one of said sections having its outer end off-set inwardly and provided with a head shaped to engage the wheel felly.

1,479,695. PROCESS FOR THE PRODUCTION OF THERAPEUTICALLY-ACTIVE CONSTITUENTS OF OILS, BALSAMS, RESINS, AND EXTRACTS. FRIEDRICH BOEDECKER, Berlin-Tempelhof, Germany. Filed Mar. 28, 1923. Serial No. 627,189. 3 Claims. (Cl. 167—4.)

2. The herein described process of producing therapeutically active substances from oils, resins, balsams and extracts which comprises extracting such therapeutic substances from the oils with desoxycholic acid to form with such acid and the therapeutically active substance a crystallizable compound.

3. A process of producing therapeutically active substances from oils, resins, balsams and extracts which comprises treating the latter with a cholic acid to form with such acid and the therapeutically active substances a crystallizable compound, removing the compound thus formed from the solution and then separating the cholic acid from the therapeutically active substances.

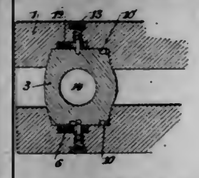
1,479,696. SAFETY DEVICE FOR PLANES. HENRY J. CHANDLER, Plattsmouth, Nebr. Filed Sept. 13, 1921. Serial No. 500,289. 2 Claims. (Cl. 244—21.)



1. A parachute for aeroplanes comprising a staff including a fixed section rising vertically from the plane and secured thereto, and a movable section pivoted on the upper end of the fixed section and normally arranged horizontally, means for holding the latter mentioned section together with the body of the parachute horizontally, a coiled spring connected to the plane and to the adjacent end of the movable section for automatically moving the

latter to a vertical position when released, a sleeve carried by the movable section and adapted to slide over the joint between said sections when the latter are aligned in a vertical position, a perforated collar carried by the movable section adjacent the upper end thereof, a plurality of coiled springs associated with said collar and a plurality of flexible elements having corresponding extremities secured to the adjacent ends of said springs and the outer edge of said parachute body for automatically opening the latter incident to the release of said movable section.

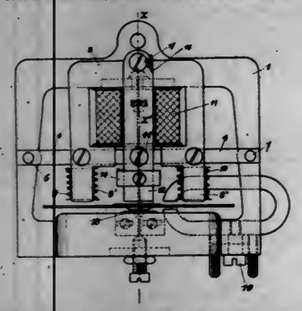
1,479,697. EQUILIBRATED BREECHBLOCK. PROSPER JULES CHARBONNIER, Paris, France. Filed Aug. 2, 1922. Serial No. 579,240. 2 Claims. (Cl. 89—17.)



1. In a gun, a block adapted to be used as a breech, horizontal trunnions on this block arranged at right angle to the axis of the gun and movable in the breech-end, this block having a convex spherical face at the front and a convex revolving surface at the rear, the breech-end having concave bearing surfaces corresponding to the said surfaces, the axis of the trunnions being placed under the center of the front face of the block and above the center of the rear face so that the opening of the breech produces a rise in its front face.

2. In a gun, a block adapted to be used as a breech, trunnions on this block, knife edged blocks upon which these trunnions rest, these knife edged blocks being mounted in the gun with a certain play, and springs adapted to press the said knife edged blocks forwardly.

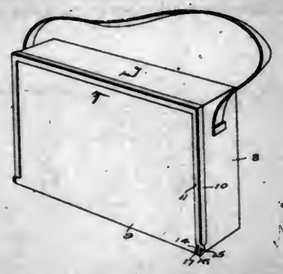
1,479,698. SHUNT COIL FOR ELECTRIC METERS. JOSEPH CHOPPINET, Brussels, Belgium. Filed July 15, 1921. Serial No. 485,137. 4 Claims. (Cl. 171—264.)



1. In an instrument of the character described, a magnetizable core including three arms, a rotatable armature arranged adjacent said arms, a magnetizable keeper, current windings on certain of said arms, a voltage coil on another of said arms, and a short circuit ring on the last mentioned arm, said last mentioned arm being removable, together with said voltage coil to permit replacement of the latter.

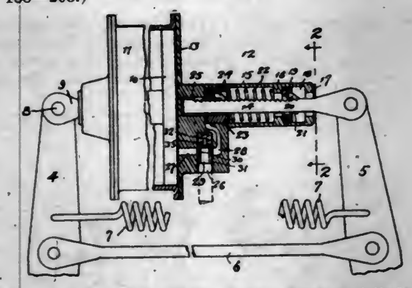
1,479,699. RECEPTACLE. HYMAN DELMAN, New York, N. Y. Filed Nov. 7, 1922. Serial No. 599,569. 4 Claims. (Cl. 217—57.)

1. In a receptacle, the combination with a body portion having an open end and a closure for said end; of a frame including opposed flanges for receiving therebetween edges of said body portion surrounding said opening, and a second frame connected to the first named frame and



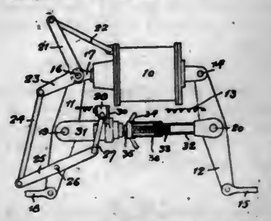
also including flanges for receiving therebetween edges of said closure, the flanges of the respective frame being disposed transversely relative to each other.

1,479,700. SLACK ADJUSTER FOR BRAKES. AXEL RUDOLF KONRAD DJURSON, Malmo, Sweden. Filed Sept. 29, 1921. Serial No. 504,218. 7 Claims. (Cl. 188—203.)



5. In an air-brake system, a slack adjuster cylinder, a piston working therein, a slack adjuster bar and a one-way operating connection between the piston and the adjuster bar.

1,479,701. SLACK ADJUSTER FOR BRAKES. AXEL R. K. DJURSON, Malmo, Sweden. Filed Nov. 19, 1921. Serial No. 516,397. 4 Claims. (Cl. 188—202.)

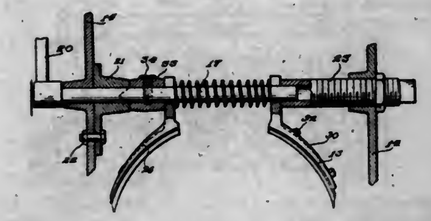


4. In a slack adjuster for brakes, an adjuster screw, a lever for imparting rotation thereto, a yielding member in the operative connection between the lever and the screw, a ratchet member, a pawl cooperating therewith, and means governed by the position of the lever for determining the engagement of the ratchet by the pawl and the rotation of the screw through said yielding member.

1,479,702. TRANSMISSION. GABINO DOMINGUEZ, Morley, Colo. Filed May 20, 1922. Serial No. 562,357. 3 Claims. (Cl. 188—249.)

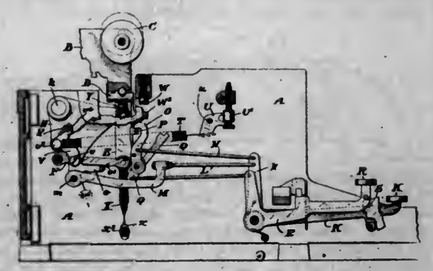
3. In a vehicle transmission, the combination of a transmission case, drums therein, transmission bands

about said drums, pedal shafts journaled through the case, ear irons upon the ends of said bands operatively connecting the bands with the shafts, and means detachably connecting one of the ear irons of each band thereto,



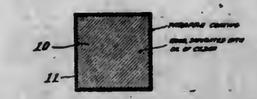
one of the ears of each of said ear irons being formed with an opening therethrough to accommodate a fastening element temporarily connecting the ends of each of the bands.

1,479,703. TYPEWRITING MACHINE. BERNARD J. DOWD, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 11, 1923. Serial No. 612,117. 16 Claims. (Cl. 197—73.)



1. In a typewriting machine, a member shiftable for case printing, means for shifting said member, a spring for partially counterbalancing the weight of said member, and means acting when said member is shifted to tension said spring to give an initial impulse to the return movement of the carriage.

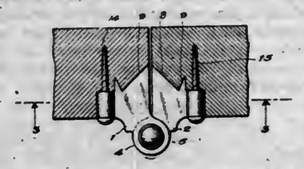
1,479,704. MOTH PROTECTING AND DESTROYING DEVICE. WILLIAM JEFFERSON DUDDLESON, San Luis Obispo, Calif. Filed Mar. 7, 1923. Serial No. 623,475. 3 Claims. (Cl. 167—6.)



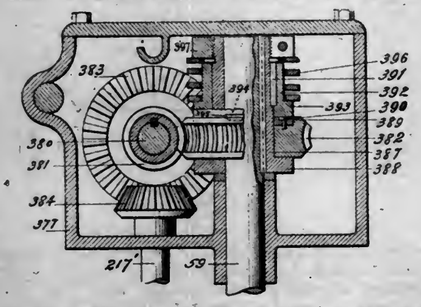
1. An insecticidal device comprising a block unit of predetermined size and density completely saturated with oil of cedar, and an external coating of paraffin on the block for enclosing the oil of cedar and retarding the volatilization thereof.

1,479,705. HINGE CONSTRUCTION. ERNEST FLAGG, New York, N. Y. Filed Mar. 27, 1923. Serial No. 628,064. 6 Claims. (Cl. 16—128.)

1. A hinge which includes a hinge plate portion adapted to be inserted into a supporting body portion at right angles to the surface thereof, the entire hinge plate portion adapted to be embedded in the body portion so that the entire surface of the plate portion contributes to the support of the body portion.

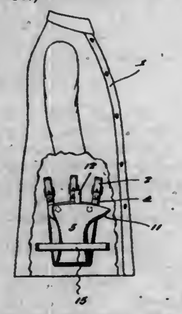


1,479,706. SAFETY COUPLING. PAUL W. FLEISCHER, Weehawken Heights, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Original application filed Dec. 6, 1915, Serial No. 65,266. Divided and this application filed Jan. 26, 1921. Serial No. 440,009. 7 Claims. (Cl. 64—104.)



1. In a safety coupling, the combination of a rotary driving member, a rotary driven member, coupling elements on said members respectively and arranged at each side of the axis of rotation, so that there is a driving engagement at each side of the axis, and on a non-diametrical line, said elements being tapered and automatically disengageable by excess of resistance of the driven member, and a spring acting to press said coupling elements into coupling engagement with each other.

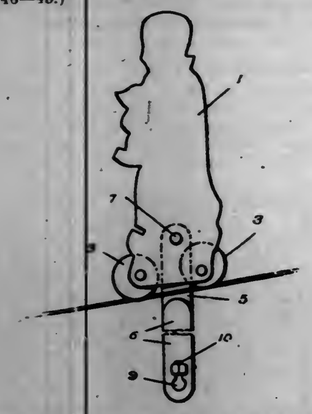
1,479,707. RAINCOAT. ANTOINE R. FOISY, Salem, Mass., assignor of one-fourth to George F. Condon, Salem, Mass. Filed Apr. 19, 1921. Serial No. 462,636. 1 Claim. Cl. 2—86.)



A rain coat provided with a plurality of elongated tabs secured to the inner sides thereof and having a legging on each side including buckles adjustably secured to the tabs, each of said leggings having their inner edges folded upon themselves to provide beads, each of said leggings having a foot portion and a foot strap, interengaging means at the edges of each legging,

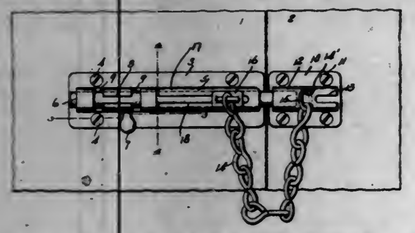
each of said leggings having its inner side adjacent to its top edge provided with compressible studs, the foot portion of each legging having sockets designed to receive the studs when each legging is folded, and transverse straps having their ends secured to the inner sides of the coat for engaging the folded legging as and for the purpose specified.

1,479,708. TOY. CHARLES GARNISS, Newport, R. I. Filed Apr. 18, 1922. Serial No. 554,755. 2 Claims. (Cl. 46—45.)



1. In a toy, the combination of a body member, grooved rollers eccentrically mounted on said member; a rod pivotally attached to said member above the roller mountings; a second rod pivotally attached to said first mentioned rod and adapted to serve alternatively as a handle and a counterpoise.

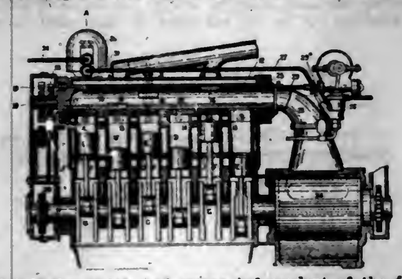
1,479,709. BOLT AND CHAIN LOCK. MEYER J. GOLDSTEIN, Brooklyn, N. Y. Filed Dec. 28, 1921. Serial No. 525,376. 3 Claims. (Cl. 292—264.)



1. A combined bolt and chain lock, including a bolt sleeve, a bolt slidable therein, a keeper adapted to receive said bolt, a flexible device anchored to the keeper, a key at the free end of the flexible device, said bolt sleeve including an offset portion adapted to receive said key.

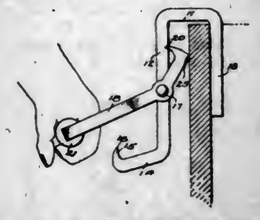
1,479,710. INTERNAL-COMBUSTION ENGINE. GEORGE WENTWORTH GRAYSON, Sydney, New South Wales, Australia. Filed Sept. 30, 1921. Serial No. 504,294. 6 Claims. (Cl. 123—32.)

1. In a two cycle high speed internal combustion engine, means for introducing charges of preheated liquid fuel under pressure into compressed air contained in the cylinder thereof, said means comprising a receiver adapted to hold a fixed quantity of said liquid fuel under pressure, a high pressure pump adapted to run at low speed and to force said liquid into the receiver, a mechanically operated fuel injection valve automatically admitting timed charges of fuel into said cylinder, a fuel heating chamber intermediate said receiver and the



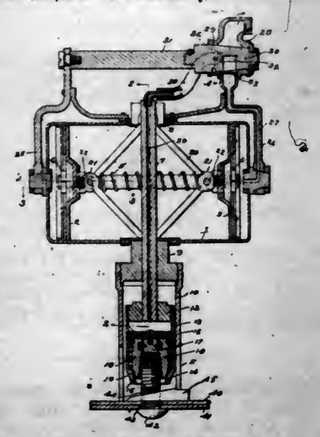
fuel injection valve, and means independent of the fuel admission for forcing fresh air into the cylinders whilst the exhaust ports are uncovered by the piston.

1,479,711. PORTABLE HANDLE. CATO HAARBERG, Fox Lake, Ill. Filed Aug. 31, 1922. Serial No. 585,526. 2 Claims. (Cl. 294—15.)



1. In a device of the character described, a U-shaped member, one of the legs of which is provided with an angular extension, a piercing point formed on the extremity of said angular extension, gripping jaws pivotally connected to the U-shaped member, a biting edge formed on each of said gripping jaws, and means for rocking the gripping jaws about their pivotal point to cause their biting edges to engage an article, as and for the purpose set forth.

1,479,712. BOLTING-UP MACHINE. FRED N. HALLETT, Seattle, Wash., assignor to The Construction Appliance Co., a Corporation of Washington. Filed May 6, 1922. Serial No. 558,890. 9 Claims. (Cl. 29—84.)



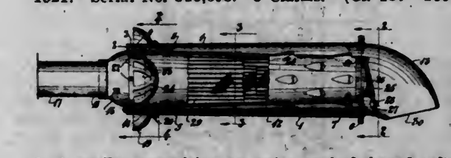
1. A bolting up machine including a cylinder, a pull rod operative therethrough, pistons in the cylinder connections between the pistons and the pull rod for operating said rod, and gripping means carried by the rod and operated independently of the rod.

1,479,713. WHEEL RIM. HOMER C. HANNA, Oklahoma City, Okla. Filed July 29, 1921. Serial No. 488,402. 1 Claim. (Cl. 152—21.)



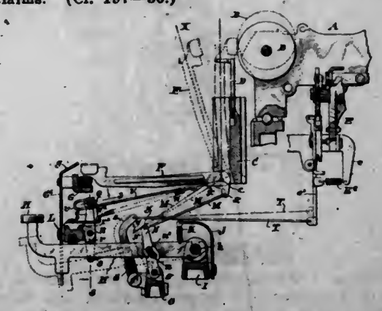
A wheel rim having fixed and demountable annular members of which the former is provided with lateral studs and the latter with lugs having circumferentially directed horns for engagement with said studs by a rotary movement of the demountable member, and a cam pivotally mounted on the fixed member adjacent one of said lugs for abutting engagement with the same when engaged with its attendant stud, said cam being provided with an arm for abutting engagement with the adjacent portion of the demountable member to limit the pivotal movement thereof.

1,479,714. EXHAUST MUFFLER FOR MOTOR CARS. FREDERICK J. HEEDLE, Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,693. 5 Claims. (Cl. 137—160.)



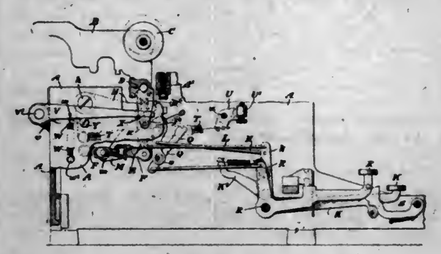
1. A muffler comprising an outer conical-shaped cylinder and an inner conical shaped cylinder, the larger end of said inner cylinder being disposed adjacent to the smaller end of said outer cylinder, said outer cylinder having openings adjacent to the smaller end thereof, a funnel-shaped member carried by said outer cylinder and disposed adjacent to the openings, said inner cylinder having openings adjacent to the smaller end thereof and having an exhaust inlet adjacent to the larger end thereof, a rolled screen disposed in said inner cylinder, and a gravity door carried by said inner cylinder and communicating with said outer cylinder.

1,479,715. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 14, 1922. Serial No. 529,179. 7 Claims. (Cl. 197—30.)



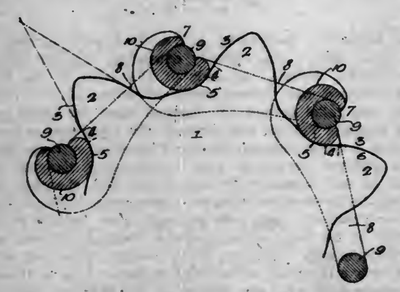
1. In a typewriting machine the combination with the key levers and the type bars of flexing connections therebetween, comprising vertical levers mounted to turn about fixed axes, links connecting the free upper ends of said vertical levers with the type bars, and sliding connections between said vertical levers and the rear portions of the key levers, the connection between each link and a type bar, and between said link and the vertical lever being moved by the full depression of a key lever to a toggle-locking or dead center position with the type bar a considerable distance from the platen when the sliding connections have reached their lower limit of movement the further movement of the type bar to the platen being caused by its momentum.

1,479,716. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 13, 1923. Serial No. 612,462. 13 Claims. (Cl. 197—73.)



1. In a typewriting machine, a member shiftable for case printing, means for shifting said member, and means brought into action only near the end of the shifting movement which gives an initial impulse to the return movement of the member.

1,479,717. SPROCKET WHEEL. FREDERIC V. HETZEL, West Chester, Pa., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 30, 1922. Serial No. 532,731. 5 Claims. (Cl. 74—31.)

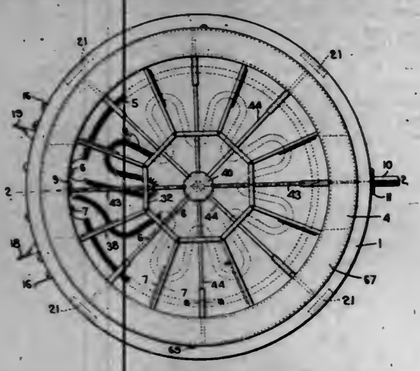


1. The combination in a sprocket wheel, of a rim on which the links of a specific chain may rest and have limited circumferential movement; and a series of teeth adapted to engage said links, the face of each tooth having a straight, flat portion, the length of which varies with the number of teeth in the wheel, and in which the pressure angle of the flat portion increases with the number of teeth in the wheel.

1,479,718. ELECTRIC GRILL. FRANK W. HEWITT, Arlington, Mass., assignor to Simplex Electric Heating Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,884. 17 Claims. (Cl. 219—19.)

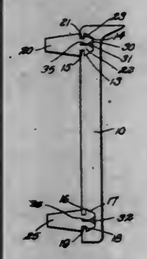
1. A heating bed for an electric grill comprising a vertical peripheral plate, an inner vertical annular plate,

radial rib plates connecting said peripheral and annular plates, insulation windows in said various plates, and



a resistance element extending through and sustained by the said insulation windows.

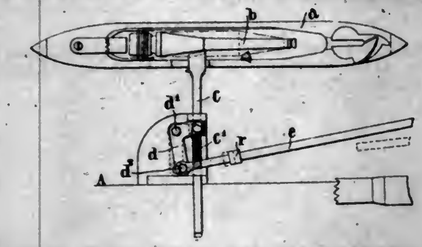
1,479,719. HORSESHOE. NORMAN LANE, Grand Blanc, Mich. Filed July 21, 1922. Serial No. 576,559. 1 Claim. (Cl. 168—35.)



A horseshoe comprising a U-shaped body formed at its bight with a transversely extending channel having overhanging flanges, the ends of the arms of the body being formed with transversely extending similar channels, and calks detachably engaged upon the bight portion and the ends of the arms of the body and each including a wedge-shaped member formed at opposite sides with grooves receiving said overhanging flanges, the bases of said members fitting within said channels and having inclined faces engaging against the inclined sides of the channels, each calk member being formed at the bottom of its base portion with a V-shaped groove, and securing means consisting of a wedge associated with each calk and fitting within the V-shaped groove therein in engagement with the bottom of the channel, the base portions of said calks being formed with slits extending from the grooves whereby to provide resilience which will permit outward jamming of the material at opposite sides of the slits into firm engagement with the channels when said wedges are forced into place.

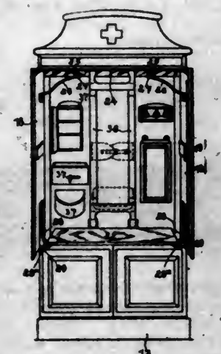
1,479,720. AUTOMATIC WEFT-REPLENISHING MECHANISM FOR LOOMS. JAMES LEWTAS and ERNEST HENRY BLACKHURST, Preston, England, assignors to The Whittaker Loom Company, Limited, Preston, Lancaster, England. Filed June 18, 1923. Serial No. 646,206. 3 Claims. (Cl. 139—276.)

1. In an automatic weft replenishing loom of the kind described, the combination with a weft fork hammer and a weft replenishing mechanism actuating element, of a rod like member movable with and extending through said hammer and adapted to actuate the element when the yarn has been exhausted to a predetermined point,



and a feeler connected to said rod like member and adapted to allow the actuation of the weft replenishing mechanism element by said member.

1,479,721. MEDICAL SERVICE CABINET. HORST LIEDTKE, Berlin-Schoneberg, Germany. Filed Aug. 9, 1923. Serial No. 656,473. 5 Claims. (Cl. 211—7.)



1. A medical service cabinet comprising a case having oppositely swinging hinged doors movable about vertical axes, means for locking said doors in closed position, and a gravity actuated table hinged within the case and arranged to engage and open the doors when the latter are unlocked.

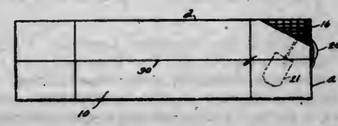
1,479,722. STOP MECHANISM FOR SPINNING MACHINES. GEORGE P. MCLAUGHLIN, Shickshinny, Pa. Filed Apr. 16, 1923. Serial No. 632,435. 2 Claims. (Cl. 118—3.)



1. In a thread spinner, the combination of a frame having a vertical guide, a rod slidable in said guide and movable to actuate a stop mechanism, a latch

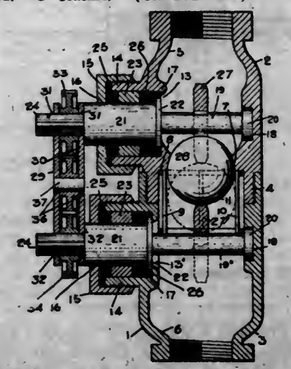
mounted on said frame for holding said rod normally against movement, a driven latch releasing device adjacent said latch, a lever fulcrumed to said latch and having its rear end normally clear of said releasing device, upwardly extending drop wires pivoted on said frame and having rearwardly extending arms, the front end of said lever having an open frame upon whose front bar said arms are adapted to drop to rock the lever into operative relation with said latch releasing device when any thread breaks, and a downwardly extending drop wire pivoted on said first named frame coaxially with the first named drop wires, said downwardly extending drop wire having an eye through which all of the threads are trained before passing to the spinning means, said downwardly extending drop wire being provided with a relatively long rearwardly extending arm adapted to fall onto the rear side bar of the lever frame to rock the lever in case all threads are broken by the spinning means.

1,479,723. CONTAINER FOR BOLTS OF TEXTILE FABRIC. JAMES MCQUISTON, Waltham, Mass., assignor to The Boston Manufacturing Company, 1901, Waltham, Mass., a Corporation of Massachusetts. Filed Nov. 17, 1922. Serial No. 601,668. 4 Claims. (Cl. 229—87.)



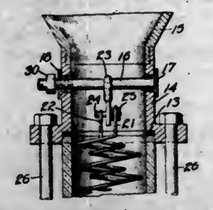
1. A bolt of textile fabric having a protective sheet, a side portion of which is cut to form a relatively broad body portion and a relatively narrow flap portion, the body portion folded over the top fold of the fabric and the flap portion tucked under the top fold, thereby to cover a side edge and the major portion of the top fold and leave uncovered a portion of the top fold corresponding to the width of the flap portion and cover lower folds of the fabric, and the opposite side portion of the sheet folded over the first side portion and the uncovered portion of the top fold of fabric, said second side portion having a corner portion above the flap-portion turned over to expose a portion of the top fold of fabric.

1,479,724. TAP. ALBERT HAROLD MACISAAC, Toronto, Ontario, Canada. Filed June 9, 1922. Serial No. 567,124. 4 Claims. (Cl. 251—40.)



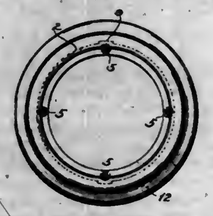
1. A valve comprising a casing having a downwardly directed seat intermediately of its length, a ball coacting therewith, cam means bearing upon the ball at diametrically opposite points, and means for operating such cam means in unison to carry the ball onto and off its seat.

1,479,725. ELECTRIC FLUID STERILIZER. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Feb. 2, 1922. Serial No. 533,549. 3 Claims. (Cl. 219—38.)



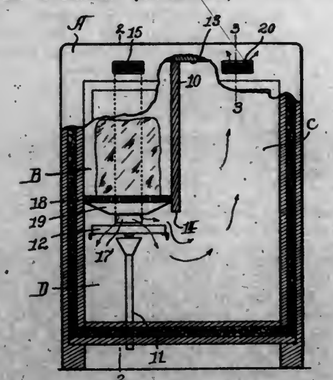
1. An apparatus of sterilizing fluids comprising a container having a vertically extending tubular section, terminals supported at opposite ends thereof and a pair of conductors within the tubular section and connected to said terminals, said conductors comprising a pair of coiled wires the helices of one wire surrounding and spaced from the other, substantially as set forth.

1,479,726. FACING-RING STRUCTURE FOR CYLINDER LOCKS. MAXWELL C. MAXWELL, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Oct. 30, 1922. Serial No. 597,927. 3 Claims. (Cl. 70—46.)



1. In a structure of the character described, the combination of an internally recessed facing ring, a plurality of coiled springs seated in the recessed portion of said ring, and a ring to receive a cylinder head, bearing against the outer ends of said coiled springs.

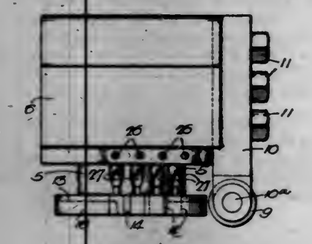
1,479,727. REFRIGERATOR. WILLIAM MANTEUFFEL, St. Paul, Minn. Filed Aug. 3, 1920. Serial No. 400,912. 5 Claims. (Cl. 62—46.)



1. A refrigerator comprising a casing having a partition extending downwardly from the upper portion of said casing to form an ice compartment on one side

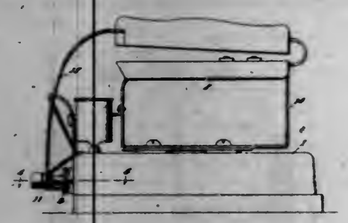
thereof and a food compartment to the side of and below said ice compartment, an air inlet on the front of said casing on one side of said partition, an air outlet on the front of said casing on the opposite side of said partition communicating with said food compartment, and a duct connected with said inlet running along the under surface of said casing within the ice compartment, and from thence downwardly along the inner surface of the back of said casing and discharging below said ice compartment into said food compartment.

1,479,728. DIE USED IN THE MANUFACTURE OF HORSESHOES. FRANK E. MERKLINGER and SAMUEL R. LIMERICK, Philadelphia, Pa., assignors to The Baldwin Locomotive Works, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 5, 1922. Serial No. 558,574. 5 Claims. (Cl. 59—60.)



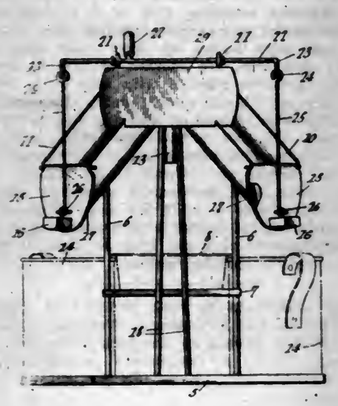
1. The combination in dies used in the manufacture of horse shoes, of a lower die on which the horse shoe blank is mounted; an upper die; punches carried by the upper die for punching nail holes in the blank; a plunger arranged to bear against the blank while the punches are forced therethrough, the plunger stripping the punches as they are returned; and means for resiliently holding the plunger, the pressure on the plunger in engagement with said blank during said stripping operation being sufficient to straighten the hot blank after the punches have been withdrawn from the blank.

1,479,729. IRON. HERBERT L. MITCHELL and JOHN W. SLATE, Walnut Cove, N. C. Filed June 2, 1922. Serial No. 565,490. 1 Claim. (Cl. 219—25.)



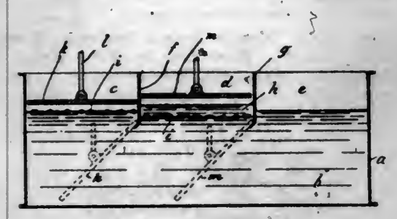
An electric iron of the class described comprising a pair of blocks located within the iron, one of which is connected with the heating coils and the other with one of the terminals, a bushing carried by the body of the iron, a pin slidably carried by the bushing and having one end adapted to engage the blocks to electrically connect the blocks together, a movable handle part, a spring strip connecting said handle part with the other part and having a portion connected with the pin so that as the movable part is pressed downwardly the pin is pressed inwardly into engagement with the blocks.

1,479,730. EGG SEPARATOR. OSCAR WILLIAM MOESLEIN, Harrisburg, Pa. Filed Dec. 5, 1922. Serial No. 605,042. 2 Claims. (Cl. 146—2.)



1. In a device of the character described, a support, inclined chutes mounted on the support, said chutes being in communication with each other at their upper ends, a funnel supported at the communicating ends of the chutes, a vertically disposed plate supported adjacent to the funnel and providing an egg breaking member, closures at the free ends of the chutes, and manually controlled means for operating the closures to move the closures to their inactive positions.

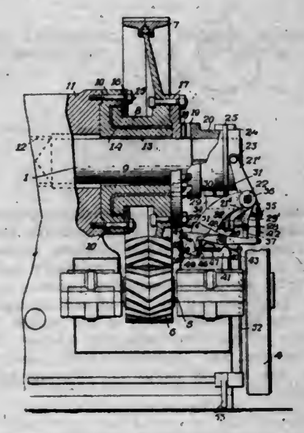
1,479,731. PROCESS FOR DETINNING IRON. JOHN STANLEY MORGAN, London, England, assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England, a British Company. Filed June 21, 1921. Serial No. 479,363. 8 Claims. (Cl. 75—55.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A process of de-tinning iron which consists in treating the material at a temperature above the melting point of tin with a substance which is liquid at the temperature of operation and causes the tin to lose its adhesion to iron, and removing the tin from the surface of the iron by a physical operation.

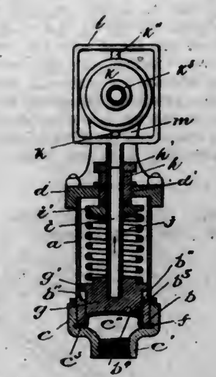
1,479,732. CLUTCH. EDWARD J. QUINN, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 17, 1918. Serial No. 240,440. 2 Claims. (Cl. 192—139.)

1. The combination with a pair of engageable clutch members, of a spring adapted to move said members into engagement, means operable by the rotation in unison of said members for moving them out of engagement and for compressing said spring, and means having



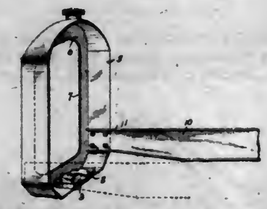
a lost motion connection with said last mentioned means for transmitting the pressure of said spring to procure engagement of said members.

1,479,733. PRESSURE-REGULATING MEANS FOR ELECTRICALLY-OPERATED APPARATUS. MARTIN JOSEPH QUINN, Toronto, Ontario, Canada. Filed Nov. 20, 1920. Serial No. 425,542. 7 Claims. (Cl. 137—157.)



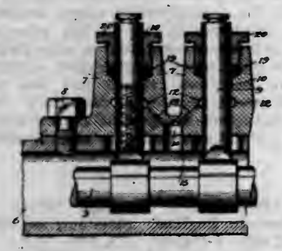
1. In a pressure regulating apparatus for electrically operated systems, a pressure actuated motor comprising a housing, a movable piston therein, a piston rod for the piston, a pressure spring normally resisting the movement of the piston and piston rod, a pressure chamber opposed to the piston, an elastic diaphragm whose free movement is restricted only by the movement of the piston, interposed between the piston and pressure chamber, with the whole of its active surface in contact with the piston throughout its travel and out of contact with it when not distended.

1,479,734. SIDE-FRAME BRACE AND RADIATOR SHELL. VICTOR W. PAGE, Kew Gardens, N. Y. Filed May 18, 1921, Serial No. 470,640. Renewed June 8, 1923. 2 Claims. (Cl. 180—68.)



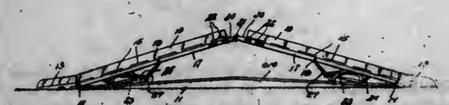
1. In a vehicle frame structure, a plurality of side frames, a radiator shell rigidly secured to and connecting said side frames, said radiator shell forming a front brace for the side frames, and a crank shaft bearing carried by the lower wall of said radiator shell.

1,479,735. CAM-FOLLOWER GUIDE. VICTOR W. PAGE, Kew Gardens, N. Y. Filed Feb. 2, 1922. Serial No. 533,730. 3 Claims. (Cl. 123—90.)



1. In combination with a cam shaft housing, a plurality of cam follower guides, each having a longitudinal passage to receive the cam follower, and each provided with an annular passage in the side walls of the cam follower passage, passages extending from said annular passages to a passage in the cam shaft housing opening into the interior thereof, whereby lubricant pumped by the cam follower will be collected and returned to the cam shaft housing.

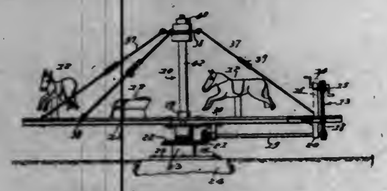
1,479,736. GUARD. WILLIAM M. PETTY, Livermore, Colo., assignor of one-half to George R. Holcomb, Laramie, Wyo. Filed July 23, 1921, Serial No. 487,079. Renewed June 1, 1923. 1 Claim. (Cl. 39—18.)



A device of the character described comprising a supporting frame provided at its ends with approach members, a pair of gate sections hinged at their outer ends upon the frame, links pivotally connected with each other and slidably connected with the adjacent ends of the gate sections to permit simultaneous movement of the gate sections, a pair of spaced parallel brackets located beneath each gate section, an angle lever pivoted between said pair of brackets, a coil spring connected with one arm of the angle lever and connected with one of the approach members, a member pivoted between the brackets and extending inwardly toward the meeting ends of the gate, a transverse member carried by the gate section and en-

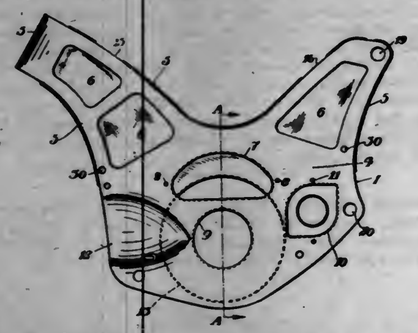
gaging said last named member, an intermediate angularly shaped element pivoted between the guides and engaging said inwardly extending member, said intermediate element being engaged by the free arm of said angle lever.

1,479,737. MERRY-GO-ROUND. ANTHONY M. PRENCEL and EDWIN HOFFMANN, Seguin, Tex. Filed Feb. 1, 1923. Serial No. 616,338. 1 Claim. (Cl. 46—27.)



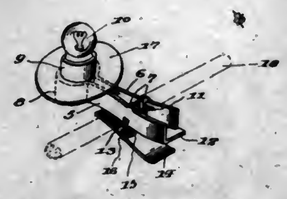
A merry-go-round having a central pedestal from which rises a spindle, a revoluble platform having a hub mounted upon said spindle, an anchor disk revolubly mounted upon the spindle at an elevation above the plane of the platform, tensionable guy rods extending from the anchor disk to the platform near its periphery, and operating means for communicating rotary motion to the platform, an anti-frictional foot bearing being arranged beneath said hub, collars being fixed to said spindle above and below the plane of said anchor disk, anti-frictional bearings being interposed between said disk and said collars, and a spacing sleeve being disposed in embracing relation with the spindle and terminal contact respectively with the hub and the collar which is beneath said anchor disk.

1,479,738. VELOCIPEDE FRAME. CYRIL GEORGE PULLIN, Isleworth, England. Filed July 20, 1920. Serial No. 397,567. 4 Claims. (Cl. 180—35.)



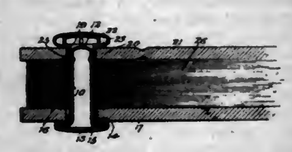
1. A centre frame of box-like construction for a motor driven velocipede having in combination, means for supporting a motor and fly wheel within and towards the bottom of said frame, bearings for support members to the rear road wheel of the velocipede, said centre frame being integrally jointed over the main part of its perimeter in a longitudinal plane about midway between its sides so as to form an integral structure with its base wholly and its sides partly removed and having one side formed with a suitable aperture for the removal of an engine flywheel and the other side with a bulged portion forming a cooling clearance or tunnel around an engine cylinder, the box-like structure comprising transverse plates connecting the side walls so as to partition off upper parts of the frame to serve as oil and fuel tanks, and an integral bearing formed at the forward end for the reception of a steering column.

1,479,739. LAMP HOLDER. JULIUS F. RADTKE, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,557. 3 Claims. (Cl. 248—42.)



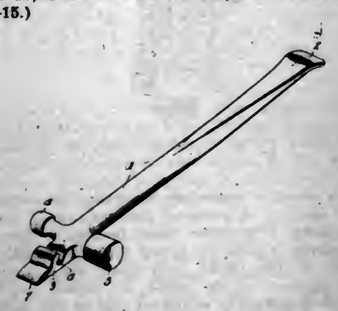
1. An electric lamp holder comprising a pair of clamping members having opposed lamp engaging portions at one end thereof, a pivotal and yieldable connection between said clamping members for yieldingly holding said lamp engaging portions in engaging position, a laterally extending flange carried by one of said clamping members and extending transversely of and beyond one longitudinal edge of the other clamping member forming a support therefor, and clamping means associated with the outer face of said flange for securing said holder to a support.

1,479,740. CONNECTER FOR LOOSE-LEAF BINDERS. LUDE REITER, Providence, R. I. Filed Apr. 11, 1922. Serial No. 551,597. 1 Claim. (Cl. 129—23.)



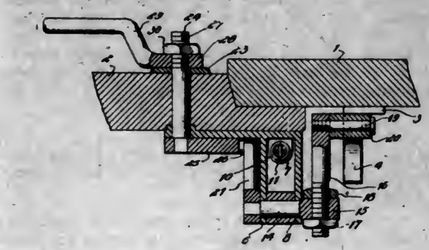
A connecter for loose-leaf binders, comprising a shank having a flaring end, an eyelet engaging collar on the shank and seating on the flaring end, a cap mounted on the flaring end of the shank and the eyelet engaging collar clamping them together, an eyelet movably mounted on the shank and adapted for projecting under the eyelet engaging collar for attaching the shank to any fabric, a head formed on the shank, a socket shaped to receive said shank head, and a cap provided in conjunction with the socket for attaching it to any fabric.

1,479,741. TOOL. HARRY REITZ, Ames, Okla. Filed Sept. 18, 1922. Serial No. 588,951. 1 Claim. (Cl. 81—15.)



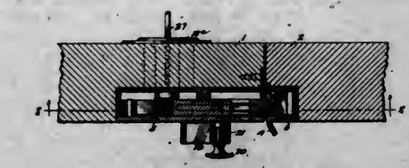
A tool having an extension connected with its head, the extension having a chisel-shaped end and a curved notch formed on one face thereof, one wall of the notch being formed by a curved projection which is adapted to enter the flanged part of the rim, the chisel part adapted to act as a fulcrum when the device is in use.

1,479,742. FASTENER. FAY RODGERS, Memphis, Tenn. Filed Sept. 27, 1922. Serial No. 590,896. 1 Claim. (Cl. 292—239.)



The combination with a refrigerator and its door, of fastening means therebetween, including a keeper secured to the refrigerator and having a beak formed with a downwardly rounded lip, a bracket plate secured to the door opposite the keeper having an outstanding pair of ears and an outstanding flange below and arranged centrally between the ears, a fixed pivot journaled between the ears and projecting therebeyond, a lever having an angle end secured on the pivot between the ears, a spring secured between the angle end of the lever and the flange of the bracket for forcing the said end of the lever against the bracket for limiting the swinging of the lever in this direction, means for adjusting the tension of said spring, a member passing through one end of the pivot and adjustably secured thereto, a laterally arranged anti-frictional roller carried by the member to engage the keeper, a finger fixed on the opposite end of the pivot, an arm having a bifurcated end receiving the finger, a fixed pivot therefor passing through the bracket and through the refrigerator door, and a handle member removably and adjustably fixed on the last mentioned pivot member.

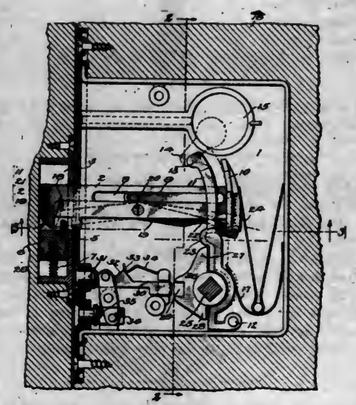
1,479,743. LOCK. ANDREW SALATA, New York, N. Y. Filed Mar. 8, 1922. Serial No. 541,987. Renewed July 9, 1923. 4 Claims. (Cl. 70—14.)



1. A locking mechanism which comprises a sliding bolt, means operated from one side of the mechanism to retract the bolt, and means operated from the opposite side of the mechanism to retract the bolt, the second means when disposed in a certain position lying in the path of movement of the first means preventing the bolt from being retracted from one side of the mechanism.

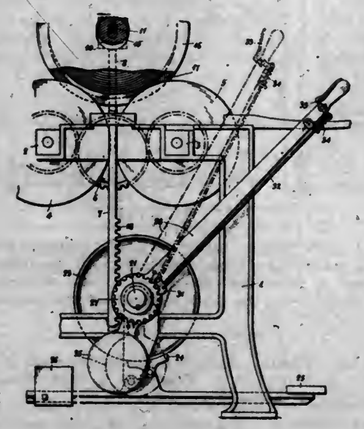
1,479,744. LOCK. ANDREW SALATA, New York, N. Y. Filed Sept. 23, 1922. Serial No. 590,139. 6 Claims. (Cl. 70—46.)

1. A lock including a slidable bolt having a dependent finger portion on its end, a latch member engaging said finger portion to hold the bolt in its forward position, a pivoted lever, key-operated means for moving said lever,



and means on the bolt to be engaged by said lever to retract said bolt.

1,479,745. SLIVER-LAP MACHINE. JOHN F. SCHENCK, Jr., Shelby, N. C. Filed Sept. 15, 1922. Serial No. 588,367. 5 Claims. (Cl. 19—162.)



1. In a sliver lap machine, a roll-carrying frame, a shaft for elevating said frame, operating means journalled on said shaft and provided with engaging means for engagement with said shaft to rotate the latter for elevating said frame, said engaging means being releasable from said shaft to permit the descent by gravity of said frame independently of said operating means.

1,479,746. PIN HOLDER. GEORGE R. SCHROEDER, Beverly, Kans. Filed Sept. 29, 1922. Serial No. 591,417. 2 Claims. (Cl. 223—60.)

1. A pin holder comprising a pair of angular metallic plates rounded outwardly at the bottom thereof to pro-

vide trays which have their edges upturned, said plates having openings formed centrally at the bottom thereof,

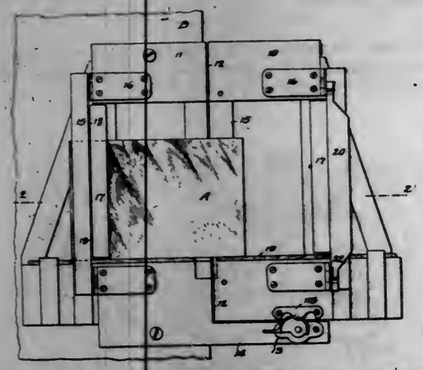


and a U-shaped clamping member, engaging said openings for clamping a paper of pins between said plates.

1,479,747. LIGNITE BRIQUETTE. THOMAS JOSEPH SMITCHELL, St. Paul, Minn. Filed Aug. 5, 1920, Serial No. 401,425. Renewed Nov. 19, 1923. 1 Claim. (Cl. 44—23.)

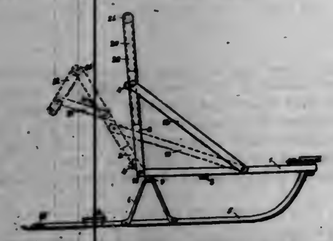
A briquette having a main body of lignite particles compressed and bound together by a binder composed of tar-pitch, rosin and glucose, the said substances being approximately in the following proportions, to wit, two thousand pounds of lignite, fifty-five pounds of tar-pitch, forty pounds of rosin and four pounds of glucose.

1,479,748. GLASS-CUTTING FRAME. MAYME L. SHAW, EMMA J. SHAW, and ALBERT L. SHAW, Corinne, Utah. Filed Feb. 28, 1923. Serial No. 621,938. 8 Claims. (Cl. 33—32.)



1. A glass cutting frame including separate sections jointly presenting a surface against which the glass to be cut may be placed for cutting, one of said sections movable relatively to the other to break off the cut glass.

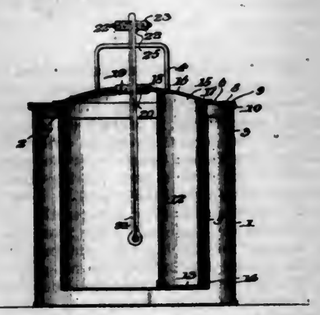
1,479,749. SLED. AUGUST V. SKUR and CARL J. ENGLUND, New York, N. Y. Filed Aug. 7, 1923. Serial No. 656,253. 7 Claims. (Cl. 280—20.)



1. A sled having a body portion comprising a sectional seat and aligned back rest, the latter being adapted to be raised and lowered, means to lock the same in its lower position, a hinge whereby the back rest may be raised, means to lock the latter in its upper position, and a steering bar attached by a link to the centre section of the seat.

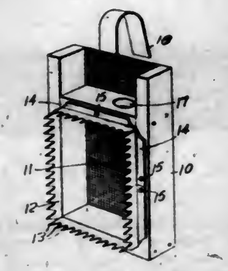
7. A sled having a frame with runners and a body portion comprising an aligned seat and back rest adapted to be raised and lowered, a brace for the latter, means to lock the back rest to the runners in its lower position, a handle for the back rest provided with extensions adapted to interlock with the runners comprising recesses in the runners and a movable catch carried by the handle extensions, slides attached to the handle and working on the side frame pieces on the back rest, a hinge whereby the back rest may be raised, and means to lock the latter to the frame in its upper position, the top face of the seat, back rest and brace being adapted to lie in one plane at will.

1,479,750. PASTEURIZER. ARTHUR L. SMITH, Mechanicsville, N. Y. Filed June 20, 1922. Serial No. 569,625. 5 Claims. (Cl. 53—2.)



1. In a pasteurizer, the combination of an outer water receptacle, a detachable inner receptacle adapted for holding milk, and a smaller removable cream receptacle contained within the milk receptacle.

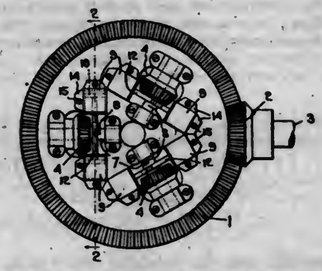
1,479,751. QUEEN-INTRODUCING DEVICE. JAY SMITH, Vincennes, Ind., and ERNEST R. ROOT, Medina, Ohio. Filed Apr. 20, 1921. Serial No. 463,065. 13 Claims. (Cl. 6—9.)



1. In a device of the kind described, a cage having on its side that lies next the comb when in use, comb penetrating points that have sides of substantial area that form an obstacle to bees.

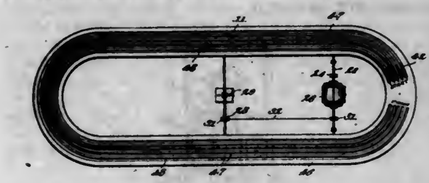
13. A queen introducing device having a queen confining chamber closed on all sides but one, and having a passage leading to the outside with a queen excluder that permits the passage of worker bees, and means for supporting such chamber with the open side towards the comb.

1,479,752. DIFFERENTIAL GEARING. WILLIAM J. SMITH, Dorchester, Mass. Filed Feb. 6, 1922. Serial No. 534,446. 1 Claim. (Cl. 74—100.)



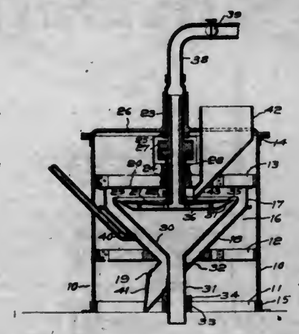
In a differential gearing, the combination with a ring bevel gear, of a driving pinion therefor, a plurality of side bevel gears rotatably mounted on the ring gear, a cylinder containing liquid associated with one of said bevel gears, and a ported piston in said cylinder connected to the bevel gear.

1,479,753. AMUSEMENT APPARATUS. WILLIAM J. STAFFORD, New York, N. Y. Filed Nov. 7, 1921. Serial No. 513,893. 13 Claims. (Cl. 46—56.)



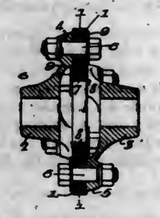
13. An apparatus as characterized comprising a supporting structure embodying a race-way comprising different sections, freely movable objects, shuffling-means constituting certain of said sections for moving said objects, roller-means constituting certain of said sections for moving said objects, means for actuating the shuffling-means and the roller-means, and means for guiding the objects in the movements.

1,479,754. CONCENTRATOR. ALBERT H. STEBBINS, Los Angeles, Calif. Filed Apr. 12, 1922. Serial No. 551,934. 11 Claims. (Cl. 83—54.)



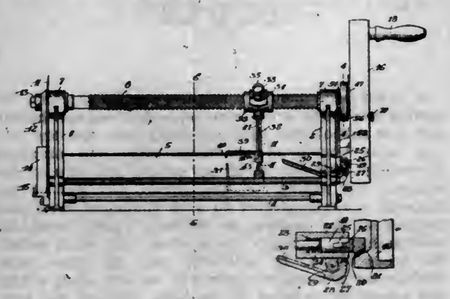
1. An air concentrator comprising, in combination, a rotary distributor, means for delivering materials to be separated to the distributor, means for rotating the distributor to throw the materials outwardly by centrifugal force, inner and outer containers surrounding the distributor to receive materials therefrom, a wall for directing materials into the inner container and disposed in the path of the materials traveling outwardly by centrifugal force from the distributor, and means for directing a jet of air against the materials traveling in said path so that it will deflect the lighter materials sufficiently to pass over said wall but will be prevented by the momentum of the heavier particles from deflecting the latter over the wall.

1,479,755. FLEXIBLE COUPLING. ROBERT J. STOKES, Trenton, N. J., assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed Nov. 22, 1921. Serial No. 517,002. 3 Claims. (Cl. 64—96.)



1. A flexible disk for couplings made of fabric and rubber, said disk having a series of holes for the passage of securing bolts; and a flexible, metallic section imbedded in the disk, said section having a central ring portion and also having holes aligning with some of the bolt holes in the disk.

1,479,756. SLICING MACHINE. SHERMAN A. THOMAS and FRED G. YAWMAN, Rochester, N. Y., assignors to Charles F. Morley, Rochester, N. Y. Filed Oct. 14, 1922. Serial No. 594,585. 11 Claims. (Cl. 146—113.)



1. In a slicing machine, the combination with a horizontal work guide and a rotary knife, of feeding mechanism arranged centrally above the guide and a work holder actuated by and depending from the feeding mechanism to traverse the guide, said work holder being wholly supported by the feeding mechanism.

1,479,757. ART OF TREATING COAL. WALTER E. TRENT, Washington, D. C., assignor, by mesne assignments, to Trent Process Corporation, Wilmington, Del., a Corporation of Delaware. Filed Nov. 12, 1919. Serial No. 337,571. 5 Claims. (Cl. 44—1.)

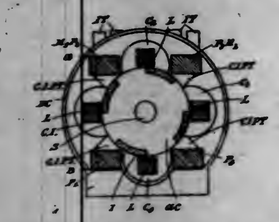
1. The process of producing a fuel which consists in introducing to a mass of finely pulverized coal an oil in such a limited quantity sufficient to prevent dusting of the fine coal particles, without causing a dense agglomeration of the coal particles.

1,479,758. COFFEE DRIPPER. HAL W. TUCKER, San Antonio, Tex. Filed Dec. 12, 1922. Serial No. 606,484. 5 Claims. (Cl. 53—3.)



1. A device of the character described comprising an outer and an inner band and a reticulated bag held between them, the outer band having an annular flange for supporting the device on top of a coffee pot, and the inner band having an inwardly extending top plate at one side thereof; and a folding bail pivotally connected to said annular flange of the outer band at diametrically opposite sides thereof for handling the device.

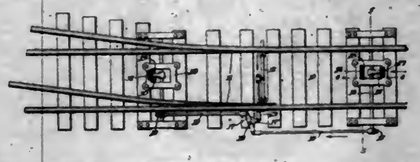
1,479,759. MAGNETO-ELECTRIC MACHINE. GEORGE MALCOLM TURNER, South Kensington, London, England. Filed July 19, 1920. Serial No. 397,481. 1 Claim. (Cl. 123—149.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A multi-polar inductor magneto-electric machine including permanent multi-polar horse shoe magnets having cast iron salient pole tips, stationary high and low tension coils wound on laminated cores and arranged alternately with respect to the salient pole tips of the magnets and parallel to, and within, the legs of the magnets, a shaft parallel to said laminated cores and the legs of the magnets, an inductor having laminated multi-segments rotatably mounted on said shaft within the space formed by said coils and pole tips, cross laminations mounted concentrically on said shaft within and across the arch of the magnets, whereby the magnetic flux returning within the legs of the magnets will traverse the core laminations and cross laminations by way of the inductor segments and pole tips, a stationary distributor arranged on said shaft adjacent said cross laminations, insulated high tension terminal connections for said distributor, a collector device carried by the shaft and having brushes engaging said distributor, a circuit interrupter device externally mounted on the arch of said magnets and connected with the end of the shaft projecting through said arch.

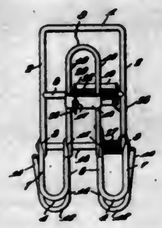
1,479,760. SWITCH-OPERATING DEVICE. JESSE H. UPTON and JOSEPH C. UPTON, Columbus, Ga. Filed Apr. 10, 1922. Serial No. 551,249. 2 Claims. (Cl. 246—239.)

1. A switch operating mechanism comprising a pair of spaced receptacles supported between adjacent ties of the trackway, spaced parallel shafts arranged transversely of the trackway and mounted for rotation, said shafts passing through said receptacles, a lever carried by each shaft and rising from the receptacle, levers carried by the corresponding ends of said shafts, operating rods arranged at one side of the trackway and having their outer ends connected with the last mentioned levers of the respective shafts, a T-shaped link fulcrumed upon the adjacent tie of the trackway and having its



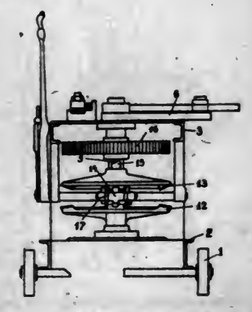
stem connected with the bridle of the switch, and a pivotal connection between the head of said link and the adjacent ends of said operating rods whereby the latter are simultaneously moved to rotate said shafts toward and away from each other, in combination with a train carried trip adapted to engage the levers projecting upwardly from said receptacles for the purpose specified.

1,479,761. CLOTHESPIN. EDWIN EARL VIRING, Utica, Kans., assignor of one-half to Loy Muchmore, Utica, Kans. Filed Mar. 9, 1923. Serial No. 623,993. 4 Claims. (Cl. 24—137.)



1. A clothes pin comprising crossed levers having cooperating jaws, a keeper carried by one lever, a latch pivoted on the other lever and cooperating with the keeper to hold the jaws against separation, and spring means for moving the levers to separate the jaws when the latch is disengaged from the keeper.

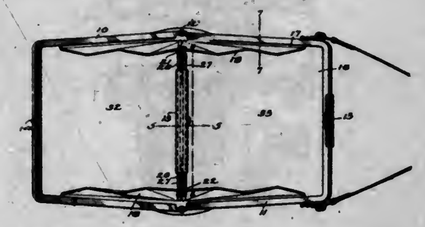
1,479,762. BENDING DEVICE FOR BAR IRON. ANTON WAGENBACH, Elberfeld, Germany. Filed June 17, 1921. Serial No. 478,370. 1 Claim. (Cl. 153—46.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



Bending device for bar iron, comprising in combination a motor, a driving gear, a bending lever arranged to be driven by the said motor in both directions, a sole plate provided with holes on opposite ends and stops

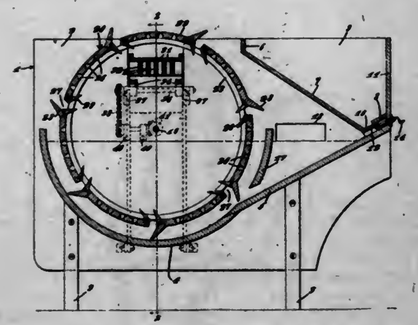
arranged to be received in the said holes to enable the work to be inserted in the machine in either direction, and an eccentric serving as poppet for the iron provided with an indented bottom surface, a device on the sole plate provided with an indented or corrugated surface into which the said bottom surface of the eccentric can be pressed, and a pressing mechanism.

1,479,763. HAND BAG. NICHOLAS WENDEL, Brooklyn, N. Y. Filed Aug. 7, 1922. Serial No. 580,244. 2 Claims. (Cl. 150—30.)



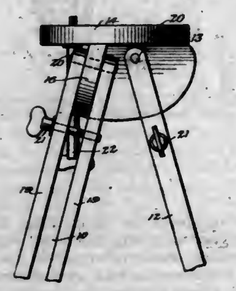
1. As a new article of manufacture, a hand bag comprising a bag body and pivoted frame jaws extending throughout the height of the bag body, plaited gussets at the opposite sides of the bag body, and a central partition secured at its opposite edges to the central plait of each gusset to provide separate segmental compartments in the bag body, the said central partition consisting of a double wall the plies of which are stitched together medially and transversely to leave the same open at the upper end defining therebetween together with the central gussets plaits, a change pocket.

1,479,764. MACHINE FOR TREATING SMALL GRAIN. MAX A. WHEELER, Lind, Wash. Filed May 3, 1922. Serial No. 558,096. 1 Claim. (Cl. 83—27.)



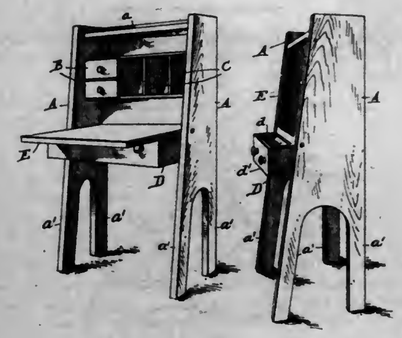
In a device of the class described, a tank, a drum journaled in the tank and provided with openings, a chute extended into the end of the drum and located adjacent to the top of the drum, angular wings carried by the drum and extended along one edge of each opening, the wings comprising inner and outer parts forming a pocket, the outer part serving to scoop material from the bottom of the tank and to deposit the material in the pocket, the inner part being so located as to permit a spilling of the material from the pocket into the drum before the wing arrives at a position directly above the chute, and wings carried by the drum and extended along the other edge of each opening, the last specified wings being so located as to prevent material from passing out of the drum into the tank, through the openings, after the material has been spilled into the tank, and being so located as to carry the material upwardly and deposit the same in the chute.

1,479,765. TRIPOD. EMMETT EDWIN WHITING, Wabasha, Minn. Filed Apr. 14, 1922. Serial No. 552,716. 5 Claims. (Cl. 248—43.)



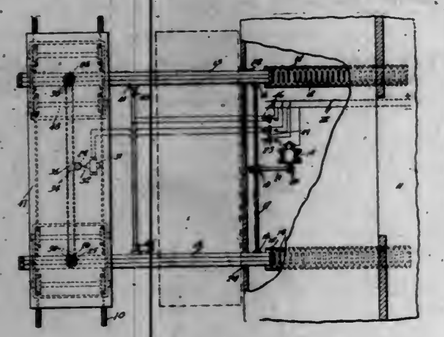
4. In a tripod, a head provided on its under side with a T-shaped member embodying transverse extending and aligned webs and a forwardly extending web, legs each formed of a pair of members having their upper ends extending on opposite sides of a web and pivoted thereto, and means for clamping the members of the legs in the webs.

1,479,766. COMBINED WRITING DESK AND BLACKBOARD. HORATIO OLIVER WHYMAN, Phoenix, Ariz. Filed July 15, 1922. Serial No. 575,224. 5 Claims. (Cl. 45—70.)



1. A combined writing desk and blackboard comprising a pair of uprights, a swinging blackboard pivotally supported between said uprights in a substantially vertical position and adapted to be lowered into a substantially horizontal position and serve as a writing desk, a drawer slidably fitted between said uprights below said blackboard and a till within said drawer at the front thereof forming therewith a rest for said blackboard when the latter is lowered; said till being adapted to serve as a stop to limit inward movement of the drawer by contact with the lower edge of said blackboard when the drawer is moved inwardly and the blackboard raised.

1,479,767. SHIFTING APPARATUS. JOHN JACOB WOLF, Boonton, N. J. Filed Nov. 15, 1921. Serial No. 515,232. 11 Claims. (Cl. 214—1.)

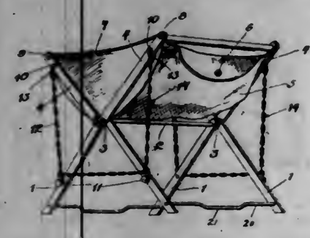


1. A transfer apparatus for shifting loads, comprising load receiving members, means for moving the load receiving members, means, over which the load may be positioned, for raising the load receiving members to lift the load, and means for supporting the load receiving members after they have been withdrawn from the raising means, said supporting means permitting movement of the load receiving members thereon.

1,479,768. PAINT COMPOSITION. THOMAS W. WOODWARD, Collinsville, Ill. Filed May 4, 1922. Serial No. 558,526. 7 Claims. (Cl. 134—39.)

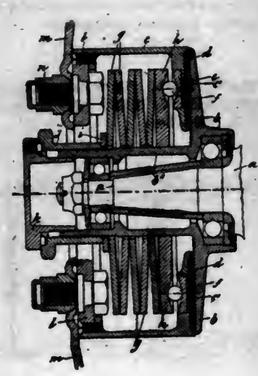
4. A paint composition composed of paraffin oil, black oil, gloss oil, Japan dryer, plaster of Paris, lamp black and graphite mixed together in substantially the proportions of four pints of paraffin oil, to two pints of black oil, to two pints of gloss oil, to one pint of Japan dryer, to one-half pound of plaster of Paris, to one-third pound of lamp black, to one-fifth pound of graphite.

1,479,769. COLLAPSIBLE CHAIR AND BAG. MUNEKAZU YAMANISHI, Seattle, Wash. Filed Sept. 13, 1922. Serial No. 588,068. 2 Claims. (Cl. 190—8.)



1. A folding stool, comprising a frame work made up of a central bar, arms pivotally mounted thereon, legs pivotally mounted thereon, brace rods connecting the upper ends of each pair of arms, brace rods connecting the lower ends of each pair of legs, a seat strip connecting the brace rods of the arms, a bag portion secured to the arms and underlying and wholly independent of the seat strip, the arms being foldable together and the legs folded upward onto the arms in the collapsed condition of the structure, said legs being of greater length than the arms to arrange the brace rods of the legs above the bag as a carrier therefor when the parts are in collapsed relation.

1,479,770. SHOCK ABSORBER FOR VEHICLES. GEORGES BROULHIET, St. Etienne, France. Filed Apr. 16, 1923. Serial No. 632,451. 4 Claims. (Cl. 152—44.)



1. A shock absorber for vehicles, comprising in combination an axle and hub, a wheel, a drum secured to said wheel coaxial with and displaceable in a radial direction relatively to said hub, an end plate integral with said hub and at right angles to the axis thereof, an end plate integral with said drum and in frictional engagement with said end plate on the hub, conical seatings on said end plate integral with the drum, a disc slidable on said hub enclosed in said drum, conical seatings on said disc, balls enclosed between said sets of seatings and resilient means for pressing said disc against said balls.

1,479,771. HAND COVERING. GUY EDWARD SPENCER CAMPBELL, London, England. Filed June 15, 1922. Serial No. 568,607. 5 Claims. (Cl. 2—104.)



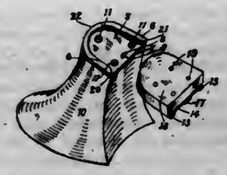
1. A shield adapted to cover the back and front of the hand in that portion immediately adjacent the juncture of the fingers and palm and in advance of the juncture of the thumb without engaging any portion of the thumb, said shield having a finger portion to encircle a finger between the knuckle joint and next adjacent finger joint.

1,479,772. FIXED-JAW SPANNER. WALTER HERBERT COOK, London, England. Filed Sept. 19, 1922. Serial No. 589,038. 2 Claims. (Cl. 81—119.)



1. A fixed jaw spanner, comprising a rectilinear jaw face, and a series of stepped jaw faces opposite to and parallel to said rectilinear jaw face, each of said stepped jaw faces being in length equal to approximately one third of the face of the hexagonal nut which is to be operatively engaged by that jaw face, and the steps of said stepped jaw faces being of such a length that they decrease from the smallest to the largest of the said jaw faces.

1,479,773. DETACHABLE HEEL. JAMES CRAIG, Alexandria, near Sydney, New South Wales, Australia. Filed July 2, 1923. Serial No. 649,122. 1 Claim. (Cl. 36—42.)



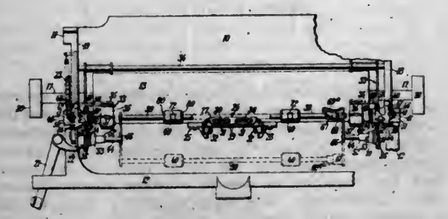
The combination with a shoe heel member having a plane unbroken lower surface and a heel lift member having a plane unbroken upper surface, of a flat plate secured to and conforming to the shape of one of said members and having an inturned edge flange forming a curved pocket, a second flat plate secured to the other one of said members and of substantially the same shape as the last mentioned member, said second plate having its edge portion offset to provide a curved projection adapted to be inserted into said circular pocket, one of said plates having a cut out portion providing a locking edge, and the other plate being slit longitudinally to provide a locking tongue having its free edge extending to the front of the heel to permit operation of the same from the front of the heel, and a lug integral with the locking tongue adapted to abut against the locking edge to hold said members together, the major portions of said plates being spaced apart to permit sufficient movement of the locking tongue to disengage the lug from the locking edge without recessing the plane unbroken surfaces of the heel and lift.

1,479,774. GAME APPARATUS. HERMAN W. STEINMETZ, Rochester, N. Y., assignor to Autoquip Mfg. Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Aug. 25, 1921. Serial No. 495,226. 1 Claim. (Cl. 46—56.)



In a game device the combination with a flat, cylindrical casing having an index opening and an axially alined opening in its upper face and a slot in its peripheral wall, of a dial rotatably mounted within the casing and provided with characters adapted to successively register with the index opening and with a spinning stem projecting through the axial opening of the casing, a star shaped stop wheel secured to the dial, a bell crank stop lever adapted to engage between points of the stop wheel and having a manually operable release arm projecting through the peripheral slot in the casing and a semicircular leaf spring partially encircling the stop wheel and engaging the stop arm to hold it normally disengaged.

1,479,775. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 9, 1920. Serial No. 372,431. 28 Claims. (Cl. 197—135.)

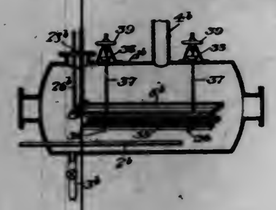


1. In a typewriting machine, the combination with a traveling carriage, of a platen-frame in said carriage having ends, a platen, a stud at each end of said frame, a bracket adapted to embrace each stud, a releasable catch adapted to hold each bracket in position, a feed-roll shaft having offset ends journaled in the brackets and adapted to be swung on its ends from and against the platen, a cam on one of said ends, and a spring-pressed follower for the cam adapted to cause the rolls to bear upon the platen.

1,479,776. APPARATUS FOR CRACKING AND DISTILLING OILS. JOSEPH GEORGE DAVIDSON, Pittsburgh, Pa., assignor to Charles H. Conner, New York, N. Y. Filed Aug. 23, 1920, Serial No. 405,231. Renewed Jan. 26, 1923. 7 Claims. (Cl. 196—25.)

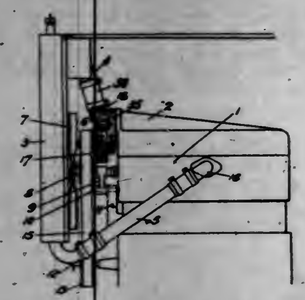
1. An apparatus for cracking and distilling oil, comprising a still adapted to contain a relatively large body of oil, one or more massive electrical resistors therein arranged to be submerged in the body of oil, and means for supplying polyphase alternating current to said resistors.

5. An apparatus for cracking and distilling oil, comprising a still adapted to contain a relatively large body of oil, one or more massive electrical resistors



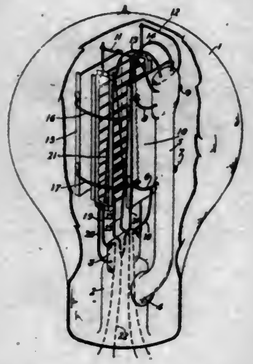
therein adapted to heat the oil, and means within the still for removing deposited carbon from the resistors from time to time.

1,479,777. CENTRIFUGAL PUMP. WILLIAM HEBARD, Winnemucca, Nev. Filed Jan. 3, 1922. Serial No. 526,784. 2 Claims. (Cl. 123—175.)



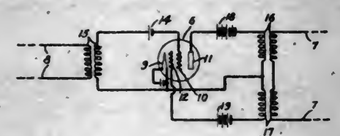
2. A water circulating device for the cooling systems of automobile power plants consisting of a coupling adapted to be inserted between the engine and radiator, including a permanently open conduit which affords communication between the water space of the engine and the radiator, to permit constant thermo-siphonic flow therethrough, said coupling being formed with a chamber off-set from said conduit and communicating therewith, a flat partition wall intersecting said chamber for a part of its length, forming a by-pass communicating with said conduit, and a pump in said by-pass.

1,479,778. VACUUM-TUBE DEVICE. HENDRIK J. VAN DER BIJL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1918. Serial No. 256,240. 16 Claims. (Cl. 250—27.)



1. A vacuum tube device comprising a pair of plane parallel continuous electrode surfaces, and means whereby one of said surfaces is supported substantially entirely by the other of said surfaces.

1,479,779. ELECTRON-DISCHARGE DEVICE. HENDRIK JOHANNES VAN DER BIJL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1920. Serial No. 397,772. 30 Claims. (Cl. 179—171.)



1. In an electric system, a vacuum tube having an anode, a cathode and an auxiliary electrode, external circuit connections between said anode and cathode and between said cathode and said auxiliary electrode, means for establishing space current to said anode, means for establishing space current to said auxiliary electrode, a control member for controlling said space current, and means responsive to changes in the space current flowing to said anode and responsive to changes in the space current flowing to said auxiliary electrode produced by variations in the potential of said control member.

Patents Nos. 1,479,780 to 1,480,540.

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Issue of January 8, 1924.

Trade-Marks	414—No.	178,053 to No.	178,466, inclusive.
Reissues	6—No.	15,739 to No.	15,744, inclusive.
Designs	59—No.	63,706 to No.	63,764, inclusive.
Patents	761—No.	1,479,780 to No.	1,480,540, inclusive.
Total	1240		

Amendment to the Rules of Practice.

(ORDER No. 2,850.)

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of the Interior, Rule 17 of the Rules of Practice is amended by adding at the end thereof the following:

Before his name may be entered on the Register of Attorneys every applicant must subscribe and swear to an oath prescribed by the Commissioner of Patents and pay to the Office a registration fee of $5.00.

THOMAS E. ROBERTSON,
Commissioner.

Letter from Secretary of Interior.

WASHINGTON, *December 29, 1923.*

HON. THOMAS E. ROBERTSON,
Commissioner of Patents.

MY DEAR MR. COMMISSIONER: I was indeed pleased to receive your encouraging report giving the results of the special effort your force has made to reduce the number of cases awaiting action. The accumulation of undisposed applications has been a source of concern to both of us, and I am happy to congratulate you and the other officers and employees of the Patent Office for the interest in their work which made possible a reduction of twelve thousand cases since October 1st.

That teamwork and conscientious endeavor were required to gain this supremacy over the almost submerging flood of applications coming into the Office is evident; and while I am unable to offer tangible reward for the labor involved, yet I know that each employee already feels amply compensated for his extra effort in the pride of accomplishment which always follows a job well done.

To achieve is to open the door for further achievement, because we do not know our strength until tried by emergency. It is my hope that the sense of personal power which this test may have accorded the participants may point the way to their future success in whatever work they may undertake.

My thanks and best wishes for the New Year go to all of you.

Sincerely yours,

HUBERT WORK.

Trade-Marks.

The trade-mark searching facilities open to the public at Room 159 in the Patent Office have been augmented by installing trade-marks published under the act of 1905, but not yet placed upon the register. These are arranged in accordance with the arrangement of words and symbols of registered marks, as well as by classes. All marks published since January 1, 1923, have been included.

CLASSIFICATION MANUAL.

A Manual of Classification of Patents in the United States Patent Office has been published, indicating the classes and subclasses as of January 1, 1924, on sheets about 6 inches by 9 inches, punched for insertion in a loose-leaf binder. An index is being prepared for publication. It is proposed to keep the Classification Manual current by reprinting necessary pages from time to time as changes in classification are made. While this is done primarily for the use of the Office, the Superintendent of Documents, Government Printing Office, Washington, D. C., on receipt of $1.00 will furnish a copy of the Manual of Classification at once, and for the same price will send, on publication, a copy of the index and copies of such pages as may be reprinted during the calendar years 1924 and 1925.

Condition of Applications Under Examination at Close of Business December 28, 1923.

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,783: Trade-Mark Division, 2,154. Oldest new case, Apr. 2, 1923; oldest amended, Apr. 2, 1923. The dates given are 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators: Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 1	May 2	1,213
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Apr. 26	May 11	1,214
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	July 13	Aug. 27	1,062
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	May 1	May 25	1,376
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 3	Apr. 2	1,449
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilisers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Apr. 3	June 5	1,851
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	May 23	May 23	2,468
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	July 2	June 11	1,704
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 16	Dec. 15	731
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	May 17	June 18	1,464
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Aug. 2	Aug. 3	787
322	12. PIERCE, F. P., Machine Elements	May 8	May 29	1,154
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 8	July 2	1,186
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 4	Nov. 9	1,043
308	15. BEDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 10	Apr. 21	2,000
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Apr. 2	Apr. 2	2,715
307	17. RAFTER, D. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 2	Aug. 2	1,363
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 2	Apr. 2	2,021
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Apr. 18	Sept. 6	1,253
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 5	June 15	1,297
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Apr. 11	Oct. 5	930
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	May 18	June 28	498
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Apr. 5	Apr. 2	674
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 3	May 28	1,144
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Aug. 6	Aug. 24	900
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Apr. 26	May 4	975
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 7	May 7	1,349
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 2	1,325
147	29. MORRIS, S. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 2	June 1	1,226
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	May 14	Oct. 12	1,112
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	May 2	May 2	1,393
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Apr. 4	Apr. 4	1,321
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	May 16	May 18	1,427
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	May 22	June 25	970
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Aug. 6	Aug. 14	803
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	June 16	June 9	1,903
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	May 2	May 1	1,781
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Apr. 6	Apr. 6	1,677
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 2	Apr. 3	1,166
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles Special Receptacles and Packages; Wooden Receptacles.	Apr. 16	Sept. 21	1,903
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 7	June 7	978
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	May 2	May 10	1,748
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	May 8	May 1	1,707
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Apr. 16	Aug. 4	1,069
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	July 5	June 13	1,496
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 21	July 5	1,210
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	May 5	Aug. 30	1,025
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Apr. 4	Apr. 2	2,374
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	May 14	May 28	519
102	DESIGNS: C. C. MARKHAM (Acting)	Nov. 2	Nov. 6	329
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	Trade-Marks: Nov. 5	Nov. 30	1,982
		Labels and Prints: Dec. 1	Dec. 11	172

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. Circuit Court of Appeals—Second Circuit.

MCLEOD TIRE CORPORATION *v.* B. F. GOODRICH CO.

Decided December 26, 1922.

[287 Fed. Rep. 339.]

PATENTS—1,029,307 AND 1,055,577, FOR TIRE CONSTRUCTION, VOID FOR ANTICIPATION.

The McLeod patents, No. 1,029,307, for a method of making tire casings, the essence of which is the vulcanizing of the tire while stretched or expanded by pressure applied from within, and No. 1,055,577, for the product of such method, *Held* void for anticipation in the prior art and prior use.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit in equity by the McLeod Tire Corporation against the B. F. Goodrich Company. Decree for defendant, and complainant appeals. Affirmed. For opinion below, see 272 Fed. 901. See, also, 268 Fed. 205.

Messrs. Bouvier & Beale (*Mr. B. F. Norris* of counsel) for the appellant.

Mr. Charles Neave and *Mr. Merrell E. Clark* (*Mr. Robert M. Pierson* of counsel) for the appellee.

Before HOUGH, MANTON, and MAYER, Circuit Judges.

MANTON, *Cir. J.*:

This is a suit for infringement of two patents granted to McLeod, the first, No. 1,029,307, applied for November 13, 1911, granted June 11, 1912, for a method of making tire casings, and the second, No. 1,055,577, applied for March 10, 1912, and granted March 11, 1913, for pneumatic-tire casing made in accordance with the method provided for in the first patent.

The automobile tire is made up of an outer casing, which is held on the rim of the wheel by engagement at the edges of the casing and by the inner tube contained in the casing, and which is inflated with air when ready for service. The tire casings are built up on a form of core, which is a metal ring having the contour of the inside of the casing. Upon this core are placed alternate layers of unvulcanized rubber and layers of fiber strands, which strands or fiber give strength to the tire casing. The strands are in the form of cords of threads, or in the form of a woven fabric, such as canvas. The inventive thought of the patents in suit relate to the building up of the tire on the cord; that is, the treatment during the process of vulcanization which is necessary in order to set the rubber and give it its desired wearing qualities. The appellant's claim is a new way of vulcanizing them while they are expanded or stretched by pressure applied from within. The inventor says he conceived the idea in April, 1911. He has never built any tires under his process or method. The patents do not explain with any degree of definiteness how much they should be stretched when vulcanized.

The defenses interposed are that the patents are anticipated by the prior patents and publications and prior commercial uses in this country; also that they are invalid, because their disclosure is insufficient. The claim of infringement is also contested. There are 11 claims in No. 1,029,307, the method patent. In substance, it is a method of making pneumatic-tire casings, and is the forming of a casing structure of fabric or raw rubber, thereafter placing the threads of said fabric under uniform tension to approximately the limit of the elasticity of the threads by applying fluid pressure internally to said structure, and finally vulcanizing said structure, whereby the threads are set in their stretched condition. Appellant does not claim any new material is used in his method, or that it was the first to vulcanize a tire while subject to a fluid pressure applied internally of the structure, but the claim is a special tensioning or stretching of the fabric threads during vulcanization to approximately the limit of the elasticity of the threads. The patents do not specify any percentage of stretch. The percentage of stretch used by the appellee varies between four and seven and one-half per cent in the tires which are alleged to infringe.

We think the patents of the prior art and prior uses defeat the appellant's claims. The appellant claims that the patents cover the idea that, if the tire is vulcanized in the position it is expected to assume when put in service under inflation, that tire, when complete and put into use under service pressure, will remain in the condition in which it was vulcanized; that is, it will not expand, and will not be as susceptible to injury as a tire which was not vulcanized in that way. The patent granted to Cowen August 11, 1896, No. 565,854, provided for a tire of a single-tube type, and said it—

> is built up or formed in usual or suitable manner of alternate layers of rubber and woven fabric, as canvas or duck.

It is then placed upon a rim, and when on that rim—

> is preferably inflated, as shown in Fig. 2, preferably not quite to the extent to which it will be inflated when placed in the vulcanizing chamber,

and then, while it is unvulcanized, but inflated, it is covered or wrapped with fabric. After the wrapping or covering has been applied, it is provided:

> The tire tube is preferably again and further inflated to a pressure, say, of 20 to 30 pounds, to more tightly press the tube against its covering fabric, and further and more distinctly to impress the surface of the covering fabric into the tread of the tire. During the process of vulcanization the air already forced within the tube greatly expands by reason of its being heated, thereby tending to burst the tube, this tendency, particularly

prior to complete vulcanization, being restricted only by the covering material or materials, and I have found in practice that this bursting tendency is best restricted, and in the most simple and effective manner, by the spiral wrappings of fabric described, and by means of this or equivalent means for confining the tread-covering fabric upon the tire tube I am enabled to vulcanize the tire tube while in an inflated condition practically such as it is called upon to assume when in use upon the road.

In the Moseley British patent of 1896, which was an outer casing and inner tube, vulcanization was provided while—

the air tube is inflated. In this condition the tire is subjected to a vulcanizing temperature, or is otherwise treated so as to effect or complete the vulcanization.

The specifications read that—

this improved tire is not subject to the ordinary strains and stresses from air inflation when in use, and any wounds or cuts inflicted upon it have no tendency to open and spread.

And claim 2 of that patent provides that, when applied to a tire cover or casing, it is—

a pneumatic tire cover, which is vulcanized or has its vulcanization completed when occupying the same position and under the same conditions as when in use.

In the German patent to Reithoffer, No. 124,327, granted in 1901, substantially the same idea is incorporated as in the Moseley patent, and speaking of the "air bag" (the inner tube) it—

expands the rubber, which because of the heating has become yielding, together with its reinforcement, * * * and stretches the same in all its parts into the shape which the tire, when in use, is intended to assume.

There are other patents, such as the Gray, No. 15,471, granted in 1900, and the Johnstone, No. 12,847, of 1903, and the United States patent to Cobb, No. 969,131, granted August 30, 1910, which we think disclosed the idea of vulcanizing the tire while the inner tube is inflated, and there is a stretching or extension approximately in the shape which they were subsequently to assume while in service.

In addition thereto, there was ample evidence of a prior use disclosing the idea contended for by the appellant. The Silvertown tire, made in England, and the subsequent manufacture of this cord tire in this country in substantially the same manner as manufactured in England discloses the appellant's idea. In the latter part of 1910, or early in 1911, the Diamond Rubber Company commenced the manufacture of these tires under the licenses which had been purchased from the British originators of these tires and the process of making them. The process employed was the same that was employed by the Silvertown Company of London, England, the British licensees under the Gray & Sloper patents. It was from that company that the Diamond Company learned of the Silvertown process through Mr. Tew and Mr. Converse, who were sent by the Diamond Company to the plant in England for study. This process included the step of vulcanizing the tires in the mold under internal hydraulic pressure applied by means of a water tube or water bag under such conditions that the tire had room to expand in the mold and thus stretch the cords. This equipment used by the Diamond Company was made in England in accordance with the specifications and drawings of the Silvertown Company, and was brought into this country at the time their employees returned after their period of study in the Silvertown plant in September, 1910. Subsequently equipment was made in this country.

The drawings for the Diamond equipment prescribed a sectional stretching during vulcanization of from four to nine per cent according to the different sizes of tires. The different sizes of cords were used in different sizes of tires and the percentage of stretch prescribed for such size of tire bore a definite relation to the ultimate strength of the particular cord used in tires of that size. Tires were actually stretched during vulcanization in substantial accordance with the percentages shown on the drawings and were then used in substantially the same condition. The district judge found these facts. After a review of the evidence and this record, we agree with such findings. We find nothing in the appellant's patent indicating the extent of the stretch during vulcanization which will keep the tire from any expansion under service pressure, but the appellant's contention is that the expansion must be sufficient to put the threads under uniform tension throughout and to set them in the process of vulcanization at approximately the stretch that they were designed to have in the service with the inner tube inflated. This is too indefinite as to the extent of stretch. However, the prior art and use lead to the conclusion that the patents are void.

Decree affirmed.

U. S. Circuit Court of Appeals—Second Circuit.

W. A. SCHLEIT MFG. CO., INC., *v.* SYRACUSE RADIATOR CO., INC., ET AL.

Decided January 8, 1923.

[288 Fed. Rep. 52.]

PATENTS—1,174,525, CLAIMS 1, 3, 5, FOR DRAFT REGULATOR FOR HOT-WATER HEATERS, HELD VALID AND INFRINGED.

The Schleit patent, No. 1,174,525, claims 1, 3, and 5, for a draft regulator for hot-water heaters, *Held* to disclose invention, and though, in view of the prior art, entitled to only a limited scope, infringed by defendant's device, which was practically a Chinese copy.

APPEAL from the District Court of the United States for the Northern District of New York.

Suit in equity by the W. A. Schleit Manufacturing Company, Inc., against the Syracuse Radiator Company, Inc., and others, for infringement of a patent. Decree for plaintiff (278 Fed. 305), and defendants appeal. Affirmed.

STATEMENT OF THE CASE.

Suit is upon patent to Schleit, 1,174,525, dated March 7, 1916, claims 1, 3, and 5. The invention claimed is for a "draft regulator for hot-water heaters." Its "primary object is to utilize the temperature of the water leaving the heater for regulating directly a check damper and indirectly a draft damper controlling the combustion chamber." Another object is to "provide a construction having a minimum number of parts and adapted to be assembled with ease, through which any movement of the check damper beyond a predetermined point is positively and directly transferred to the draft damper."

Of the claims in suit, the second most philosophically defines the alleged invention, and the fifth most specifically conforms to the disclosure. They are as follows:

2. A heater having a combustion chamber and a smoke chamber, a draft damper for the combustion chamber, and a check damper for the smoke chamber, means within the smoke chamber and attached to a wall thereof for transferring movement from the check damper to the draft damper in reverse form, and means for operating the check damper.

5. In a water heater, a check damper, a draft damper, a supporting member for said draft damper, pivoted to a wall of the heater and having a lost-motion connection with said draft damper, means for operating the check damper, said supporting member being operated by the movement of the check damper to open and close the draft damper.

The trial court held the patent valid and infringed. Defendants appealed.

Messrs. Parsons & Bodell and *Mr. Arthur E. Parsons* for the appellants.

Mr. Eugene A. Thompson and *Mr. Howard P. Denison* for the appellee.

Before ROGERS, HOUGH, and MANTON, Circuit Judges.

HOUGH, *Cir. J.* (after stating the facts as above):

Both parties make hot-water heaters, and each has attached to its product an automatic regulation for draft. The patent relates to the method of regulation. The heaters of both parties show a combustion chamber within a water jacket, and in each it is the heat of the water which furnishes the power for automatic regulation. The patent relates solely to the means of using this power to maintain predetermined relation between the draft damper, (at the opening from combustion chamber to smoke chamber) and a check damper or hinged-door opening from the smoke chamber to the outer air.

Automatic and thermostatic regulation is admittedly not new in the art of heating, and this patent does not pretend to be a pioneer. The concept is a narrow one, and covers only means attached to a wall of the heater (including the smoke chamber) for transferring from the damper under thermostatic regulation to the other damper the impetus or power of its own movement. The beneficial results are mechanical simplicity, compactness, and a minimum exposure of working parts to the ordinary furnace attendant, for whose benefit mechanical devices of this kind are preferably "fool-proof."

The patentee's method of transmitting thermostatic movement is extremely simple. As the water heat varies above or below the predetermined temperature, the movement of the thermostat is transmitted by a link and lever device to the check damper, which, when closed, rests against one end of a lost-motion device pivoted to the wall of the smoke chamber, and the pressure of such resting lifts from its seat the draft damper. With the draft on, temperature rises and the operation is reversed; i. e., the check damper is lifted, and, its pressure being absent from the end of the lost-motion apparatus, the draft damper reseats itself by gravity. Nothing is outside the metal heater, except the one thing that requires regulation; i. e., the thermostat and its connecting lever.

The prior art shows no utilization for the purposes above set forth of this simple contrivance, hidden in the smoke chamber and attached to the wall thereof, whereby a connection is maintained automatically between the opening and closing of check and draft dampers. It would serve no useful purpose to compare the structure of defendant with that of plaintiff. Suffice to say that we regard them as mechanically exactly alike, and especially has the defendant copied plaintiff's attachment to the interior wall of the smoke chamber of the lost-motion device, which is the connection between draft and check dampers.

The defense in this court is that defendant's regulator "is the prior regulator of Roney Patent No. 893,874." We fail to see any real or patentable resemblance between Roney and defendant. That patentee, like many others, does show a "damper regulator," and also a connection between two objects, one of which is certainly a damper, and the other a valve "in the cold air flue"; and it is true that a movement of said valve compels movement of the draft damper, but it is not a lost-motion movement, and it is not situated and does not take place in anything that can fairly be called a smoke chamber. Of course, all the mechanical parts, whether put together by plaintiff, defendant, or Roney, are old, and it is the form of their union and the method of their coordination which is the essence of this small invention. The method, purpose, and result of Roney's regulation are all different from that desired by the parties to this suit. What Roney wished was to establish by hand, and from a considerable distance, a simultaneous opening or closing of an old-fashioned draft door at the base of his furnace and the chimney damper at its exit. This is a wholly different thing from what the parties hereto desire and achieve. Roney's patent (not to speak of many others) suffices to keep within narrow limits modern inventions about draft regulation. This patent is narrow; it covers nothing but the means of accomplishing a result which has been accomplished in many other ways. Its range of equivalents is small, but wide enough to cover what is practically a "Chinese copy."

Decree affirmed, with costs.

U. S. Circuit Court of Appeals—Second Circuit.

GARSON *v.* ELWELL-PARKER ELECTRIC CO.

Decided March 13, 1923.

[288 Fed. Rep. 824.]

PATENTS—1,337,400 FOR A CRANE, HELD INVALID FOR WANT OF NOVELTY.

The Garson patent, No. 1,337,400, for crane, in which hoisting rope is used to raise boom and boom is automatically locked by interengaging members between its free end and the pivot, *Held* invalid for want of novelty in view of the prior art.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit by Thorvald N. Garson against the Elwell-Parker Electric Company for infringement of the

Garson patent, No. 1,337,400, applied for September 20, 1918, granted April 20, 1920. Decree for defendant. Plaintiff appeals. Affirmed.

Mr. Charles W. Mortimer for the appellant.

Mr. Justin W. Macklin and *Mr. Everett N. Curtis* for the appellee.

Before MANTON and MAYER, Circuit Judges, and LEARNED HAND, District Judge.

MANTON, *Cir. J.:*

The inventor says that the patent in suit relates particularly to a crane which forms the subject matter of an earlier patent, No. 1,228,659, granted to him on June 5, 1917; its characteristic being the provision of a single hoisting rope from the load and boom, two interengaging members being located at the base of the boom for automatically locking the latter in an elevated position to permit the lowering of the hoisting rope. He does not sue on the earlier patent. The object of the present improvement is said to be to provide a heavy-duty crane of the class, for instance, used on a locomotive or heavy truck; cranes capable of handling a load of five tons or more. A characteristic of the present improvement is said to be the combination of the mast and boom and interengaging boom-locking members in such relationship that the hook in its reaction upon the locking members is a lever of this class only, and thus the strain on the locking members is reduced to a minimum; and it is said that, when the interengaging locking members consist of a ratchet and pawl, as in the embodiment of the invention described, the size of the ratchet teeth and pawl may be largely increased over the corresponding parts when acted upon by the boom as a lever of the first class. In the patent in suit, and in the previous patent granted to the appellant, there is used a ratchet and pawl mechanism connecting the mast to the boom, being attached to the boom between its pivot and free end.

The defenses interposed are invalidity of the patent and noninfringement. We need only consider the first—that is, the invalidity of the patent—for we think what was shown in the prior art anticipated what the inventor is said to have accomplished. The patent in suit has but one claim and reads as follows:

> In a crane, the combination with a support of a hoisting drum and driving means therefor, a boom pivotally mounted upon the support, a hoisting rope connected with the drum and led over the end of the boom, means including the hoisting rope for raising the boom, and two interengaging members, one carried by said support and one carried by the boom, and disposed intermediate the pivotal connection of the boom and the free end of the latter, for automatically locking the boom in its elevated position, whereby the boom will react upon the said interengaging members as a lever of the second class.

In reference to the prior patent granted to the appellant, it was apparent that he recognized the inherent mechanical weakness of the first patented structure, particularly that the short lever at the base could not support heavy loads at the far end of the boom. He emphasizes the whole point of the patent in suit by his reference to the particular use, position, and form of the ratchet and pawl which he shows in this patent and says:

> As in the embodiment of the invention hereinafter described the size (and hence strength) of the ratchet teeth and pawl may be largely increased over the corresponding parts when acted upon by the boom as a lever of the first class.

This patent was allowed, because it was thought the two interengaging members between the pivotal connection of the boom and its free end constitute a difference over his prior patent and upon which the single claim was allowed. But we think that, in view of the general state of the prior art, it required no invention to select an old mechanical expedient as a particular means of supporting a boom, as used in many forms, such as cranes. It appears that the identical booms do appear in the patents referred to as the prior art, and disclose the latching means between the base of the boom and the outer end of the boom. Cranes had been used of various forms and types. They had been mounted on tracks, ships, and vehicles of all sorts, and had been used to raise a load, and move it laterally, and place it wherever desired within the reach of the crane. Some illustrations are building cranes, ship cranes, and locomotive cranes. These devices have invariably a means for holding a crane in its raised position while lowering the load. Indeed, this is an essential to functioning.

The Hammond patent, No. 940,146, applied for June 12, 1908, and granted November 16, 1919, is a hoisting apparatus comprising a base, a jib pivoted thereto, a hoisting device carried by the jib and operating to swing the same on a pivot, a latch bar pivoted to the base, and a keeper therefor on the jib. In the patent granted to Hladky, No. 981,561, applied for July 23, 1910, and granted January 10, 1911, for spreader crane, the claim provided for a crane comprising—

> a base, a standard, a rocking boom, and a housing surrounding said standard composed of hinged sections adapted to swing open and permit of the disassembling of said base and standard, and means for anchoring the housing against revoluble movement.

This device in operation demonstrates continued pull on the cable after the hook or form engages the pin and will raise the boom.

All the elements of appellant's device are present, except the implication of the automatic locking in different positions; but the locking and reconnection are precisely the same as in the patent, except for automatically doing so. Its purposes, function, and elements are identical with that of the claim in suit, with the single possible point in favor of the claim of automatic locking which is found in the prior art. The patent to Hitchcock, No. 456,332, applied for November 5, 1890, and granted July 21, 1891, was for a hoisting apparatus used for heavy loads. The pulling is on the lifted chain by the use of a hoisting engine, which means a power-driven drum, for use in hoisting apparatus. It has two interengaging members as latching means between the pivot and the rear end of the boom, one carried by the support and one carried by the boom, clearly showing a disposed intermediate free end of the boom and its pivotal connection, and for automatically locking the boom in its elevated position. The function of these interengaging members is to drop the load near the base of the boom, when the boom is latched in a raised position as does the device of the patent in suit.

In view of these disclosures of the prior art, we find that the inventor discloses nothing new or novel that rises to the dignity of invention, and the patent in suit must be held void.

Decree affirmed.

ADJUDICATED PATENTS.

(C. C. A. Ill.) The Beck patent, No. 1,058,711, for a cut-back die-thread machine, claims 1 and 2 *Held* invalid. *Nye Tool & Machine Works* v. *Crown Die & Tool Co.*, 292 Fed. Rep. 851.

(C. C. A. Ill.) The Panay patent, No. 1,228,473, for transparent show jars, *Held* invalid. *Panay Horizontal Show Jar Co.* v. *Aridor Co.*, 292 Fed. Rep. 858.

(D. C. Ill.) The Folberth patents, Nos. 1,405,773, Reissue 15,502, and 1,438,229, for windshield cleaners, *Held* valid and infringed. *Folberth Auto Specialty Co.* v. *Mayo-Skinner Mfg. Co.*, 292 Fed. Rep. 883.

(D. C. Wash.) The Thompson and Currie patent, No. 1,418,991, for propeller, *Held* not infringed. *Thompson Fishtail Propellers Co.* v. *Cloverleaf Propellers Co.*, 292 Fed. Rep. 911.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

842,262, R. Z. Snell, Mixing machine, suit filed Mar. 20, 1920, D. C., W. D. N. Y., Doc. 283-B, *The Waterloo Construction Machinery Co.* v. *G. Engel.* Decree pro confesso entered Mar. 22, 1923.

958,478, W. E. Davey, Process of reenforcing trees, final decree filed and entered Oct. 16, 1922, D. C., W. D. N. Y., *The Davey Tree Expert Co.* v. *D. M. Neeson.* Same, final injunction Nov. 13, 1923, D. C., W. D. N. Y., *The Davey Tree Expert Co.* v. *H. H. Elbers.* Same, suits filed Oct. 29, 1923, D. C. Minn., Doc. E 644, *The Davey Tree Expert Co.* v. *G. B. Nickelson.* Same, Doc. E 645, *The Davey Tree Expert Co.* v. *G. Showholm et al.* Same, Doc. E 646, *The Davey Tree Expert Co.* v. *O. W. Lothson.*

1,002,527, O. Kulka, Oil-cooled transformers, decree dismissing bill without prejudice entered Nov. 10, 1923, D. C., S. D. Ohio, *General Electric Co.* v. *The Peters Cartridge Co.*

1,186,477, W. M. Grosvenor, Processes for drying or hardening coatings, mandate from U. S. circuit court of appeals filed June 20, 1923, D. C., W. D. N. Y., *Wenborne-Karpen Dryer Co.* v. *Cutler Dry Kiln Co.*

1,193,884, V. J. Emery, Grinders, suit filed Nov. 2, 1923, D. C., N. D. Ohio (Western Div.), Doc. 434, *The Auto-Hone Co. et al.* v. *The Hall Cylinder Hone Co.*

1,212,331, P. E. Denivelle, Manufacture of artificial-stone structures, and (inserted by answer Oct. 18, 1923) 1,468,343, J. H. Delaney, Process of producing vermiculated work, suit filed Aug. 6, 1923, D. C., S. D. Calif., Doc. H-4, *P. E. Denivelle et al.* v. *Los Angeles Biltmore Co.*

1,262,860, S. B. Smith, Incubators, suit filed Nov. 8, 1923, D. C., S. D. Ill., Doc. 261, *The Buckeye Incubator Co. et al.* v. *O. Keuhl.*

1,380,058, A. R. Gross, Parking light for automobiles, etc., Nov. 8, 1923, decree entered reversing decree of District Court for the District of Maryland, C. C. of Appeals, 4th Cir., *A. R. Gross* v. *J. Frank.*

1,457,990, E. C. Morgan, Display stands, suit filed Nov. 12, 1923, D. C., S. D. N. Y., Doc. E 27/368, *E. C. Morgan* v. *F. E. Beardsley* (*Beardsley Mfg. Co.*).

1,466,363, C. E. Hamilton, Ironing machine, suit filed Nov. 10, 1923, D. C., S. D. N. Y., Doc. E 27/327, *C. E. Hamilton* v. *American Laundry Machinery Co.*

1,468,343. (See 1,212,331.)

Re. 15,641, J. H. Emery, Artificial fruit and methods of producing same, suit filed Aug. 20, 1923, D. C., S. D. N. Y., Doc. E 27/85, *J. H. Emery* v. *Gluckin & Schneiderman* (*W. Gluckin & Co.*).

Re. 15,687, C. W. Flint, Guide showing comparative express and parcel-post shipping rates, suit filed Oct. 15, 1923, D. C., N. D. Ill. (Eastern Div.), Doc. 3764, *C. W. Flint et al.* v. *G. R. Leonard & Co., Inc., et al.*

T. M. 22,406, The Coca Cola Co., Nutrient or tonic beverages, suit filed Nov. 15, 1923, D. C., W. D. Okla., Doc. E 622, *The Coca Cola Co.* v. *Consumers Bottling Co.*

T. M. 134,900, The Cellucotton Products Co., Sanitary napkins, suit filed Oct. 12, 1923, D. C., N. D. Ill. (Eastern Div.), Doc. 3762, *Cellucotton Products Co.* v. *Sun Chemical Co.*

Des. 61,189, E. A. Davis, Lace, suit filed Mar. 15, 1923, D. C., S. D. N. Y., Doc. E 26/182, *Blanck Co., Inc.*, v. *Lillian Shop, Inc.* Consent decree in favor of plaintiff, sustaining patent, and granting injunction restraining infringement filed Nov. 9, 1923.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Dec. 17, 1923.*

Plummer & Edwins, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Buffalo Vegetable Marketing Co., of 29 East Market Street, Buffalo, N. Y., and Sol Perimon, of 1837 West Jefferson Avenue, Detroit, Mich., for registration of a trade-mark and trade-mark registered September 20, 1921, No. 146,841, to Plummer & Edwins, of Second Avenue and University Street, Seattle, Wash., and a letter sent by registered mail to said Plummer & Edwins at the said address having been returned by the post office undeliverable, the Office has failed to secure service upon said Plummer & Edwins. Notice is therefore given that unless said Plummer & Edwins, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 11, 1923.*

Bliss, Painter & Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between Johnson & Company, 100 South Minnesota Avenue, St. Peter, Minn., for registration of a trade-mark and trade-mark registered September 1, 1903, No. 41,018, to Bliss, Painter & Co., 108 and 110 Third Street North, Minneapolis, Minn., and a notice of such declaration sent by registered mail to said Bliss, Painter & Co. at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Bliss, Painter & Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This interference will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, Dec. 11, 1923.*

Sprayene Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between Richmond Dairy Company, 314–322 North Jefferson Street, Richmond, Va., for registration of a trade-mark and trade-mark registered December 22, 1914, No. 101,542, to Sprayene Company, Woodstown, N. J., and a notice of such declaration sent by registered mail to said Sprayene Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Sprayene Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Dec. 13, 1923.*

V Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The M. Shaffer Company, 724 Passyunk Avenue, Philadelphia, Pa., to effect the cancellation of the trade-mark registration of V Co., of Wheeling, W. Va., No. 90,603, dated March 4, 1913. The Office having been unable to secure service upon said V Co., notice is hereby given that unless said V Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Amendment to the Rules of Practice.

(ORDER No. 2,846.)

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of the Interior, the following rules of the Rules of Practice of the United States Patent Office are amended as follows:

Rule 191, lines 24 and 25, cancel—

Size 10 by 15 inches, per copy---------- .25
Size 8 by 12½ inches, per copy---------- .15

and substitute—

Size 8 by 13 inches, per copy---------- .20
Size 6 by 9 inches, per copy---------- .15

This becomes effective January 1, 1924.

THOMAS E. ROBERTSON,
Commissioner.

Notice—Change in Size and Price of Photostat Copies of Manuscript.

On and after January 1, 1924, photostatic copies of manuscript applications and file wrapper and contents, and records of assignments, will be furnished on prints 8 x 13 inches, for which a charge of twenty cents per sheet will be made. This will produce a print approximately full size of the original, and hence as legible as the original.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 8, 1924.

[VOL. 318. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

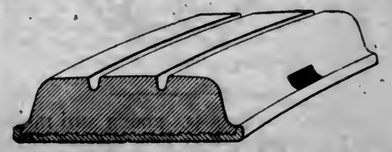
As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 132,628. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARENCE P. BROWNING, Peconic, N. Y. Filed May 19, 1920.

PARADISE

Particular description of goods.—Fresh Eggs, Catchup, Pure Honey, Horse-Radish, Apple Butter, and Chili Sauce.
Claims use since Apr. 29, 1920.

Ser. No. 136,120. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE AND RUBBER COMPANY, Akron, Ohio. Filed Aug. 14, 1920.



No claim is made to the representation of a solid tire. The mark consists of a small patch of rubber, substantially rectangular in form and distinguishable from the rest of the tire, placed on the side of tire adjacent the flange of the rim.

Particular description of goods.—Solid Tires Composed of Rubber or Rubber and Fabric.
Claims use since May, 1920.

Ser. No. 137,827. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CHARLES D. DURKEE & COMPANY, INC., New York, N. Y. Filed Oct. 2, 1920.

D

Particular description of goods.—Marine Hardware and Deck Fittings—Namely, Ship Cleats, Chocks, Davits, Gears, Steering Wheels, Deck Lights, Skylights, Ship Ventilators, Ventilator Cowls, and Ventilator Deck Rings, Propellers, Rudders, Rudder Yokes, Tillers, Rowlocks, Boom Travelers, Gaff Jaws, Deck Plates and Rings, and Other Goods of This Character.
Claims use since July 10, 1919.

Ser. No. 147,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. L. P. CO. INC., Brooklyn, N. Y. Filed May 18, 1921.



No claim is made to the word "Trade-Mark" apart from the mark shown.

Particular description of goods.—Packed Olive Oil.
Claims use since April, 1921.

Ser. No. 148,083. (CLASS 17. TOBACCO PRODUCTS.) MAGNOLIA CIGAR CO., Brooklyn, N. Y. Filed May 23, 1921.

MAGNOLIA

Particular description of goods.—Cigars.
Claims use since 1883.

Ser. No. 156,625. (CLASS 16. PAINTS AND PAINTERS' MATERIALS. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 13, 1921.



Particular description of goods.—Lacquers, Thinners for Lacquers, and Lacquer Enamels.
Claims use since September, 1892.

Ser. No. 157,729. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PHON OLA COMPANY, Dayton, Ohio. Filed Jan. 10, 1922.

Phon Ola

Particular description of goods.—Talking Machines and Phonographs.
Claims use since about Oct. 15, 1921.

Ser. No. 159,007. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FUSE MFG. COMPANY, Chicago, Ill. Filed Feb. 8, 1922.

GEM

Particular description of goods.—Switch Boxes for Electric Wiring Purposes.
Claims use since Dec. 1, 1913.

Ser. No. 159,697. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE FERBERT-SCHOANDORFER COMPANY, West Park, Cleveland, Ohio. Filed Feb. 23, 1922.

Tin-o-Red

The mark as shown in the drawing includes the expression "Tin-o-Red" in one color superimposed upon the representation of a pair of shears in another color, all upon a black background.
Particular description of goods.—Ready-Mixed Paints and Varnishes.
Claims use since on or about Nov. 15, 1921.

Ser. No. 160,370. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Mar. 8, 1922.

DUVETTE

The mark consists of the word "Duvette."
Particular description of goods.—Fabrics in the Piece Made Wholly or in Part of Worsted, Wool, Mohair, Alpaca, Jute, Cotton, Silk, and Artificial Silk, and Blankets.
Claims use since Feb. 1, 1922.

Ser. No. 160,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAST SIDE PACKING COMPANY, East St. Louis, Ill. Filed Mar. 20, 1922.

I·X·L

Particular description of goods.—Beef and Pork Products—Namely, Bacon, Callas, Hams, Cooked Hams, Lard, Pork Sausages, and Frankfurters.
Claims use since 1906.

Ser. No. 161,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARRANZINI & CORRADO, New York, N. Y. Filed Mar. 22, 1922.

PRINCIPESSA MAFALDA

Particular description of goods.—Olive Oil.
Claims use since Feb. 1, 1922.

Ser. No. 162,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. B. MEWHINNEY CO., INC., also doing business as Mewhinney's, Terre Haute, Ind. Filed Apr. 19, 1922.

JOLLY GOOD

Particular description of goods.—Chocolate-Coated Cream Peanut Bar.
Claims use since Mar. 23, 1917.

Ser. No. 162,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEAUFORD R. CAMP, San Francisco, Calif. Filed Apr. 22, 1922.

"Optimo"

The mark consists of the word "Optimo."
Particular description of goods.—Candy.
Claims use since Mar. 15, 1922.

Ser. No. 162,887. (CLASS 15. OILS AND GREASES.) PENNSYLVANIA SYNTHETIC GAS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Apr. 25, 1922.



No claim is made to the lining, which indicates red and blue colors on the drawing, and no claim is made herein to the words "New Gas" except in the association shown in the drawing; but no common-law rights therein are waived.
Particular description of goods.—Fuels for Internal-Combustion Engines.
Claims use since on or about Mar. 20, 1922.

Ser. No. 164,007. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROSS ANTENNA COMPANY, Providence, R. I. Filed May 17, 1922.

RACO

Particular description of goods.—Radio Antenna Wire.
Claims use since Apr. 1, 1922.

Ser. No. 164,496. (CLASS 33. GLASSWARE.) CALIFORNIA GLASS & PAINT CO., Los Angeles, Calif. Filed May 25, 1922.

POPPY BRAND

No claim is made for the word "Brand."
Particular description of goods.—Beveled Plate Glass, Tile and Sheet Prism Glass, Plain Plate Glass, Flat Drawn Window Glass, 7/32-Inch Flat Drawn Crystal Glass, Rough Glass, Ribbed Glass, Figured Wire Glass, Polished Wire Glass, Ornamental and Figured Glass, Leaded Art and Colored Glass, Black and White Glass.
Claims use since June, 1920.

Ser. No. 164,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARCHIONY BROTHERS, INC., New York, N. Y. Filed May 31, 1922.

"SPUMONETTES"

Particular description of goods.—Ice Cream, Flavored Ice, Ice-Cream Bricks, Ice-Cream Cones, and Ice-Cream Sandwiches.
Claims use since January, 1920.

Ser. No. 165,299. (CLASS 12. CONSTRUCTION MATERIALS.) MACKLANBURG-DUNCAN CO., Oklahoma City, Okla. Filed June 10, 1922.

Numetal

No claim made to the words "New" and "Metal."
Particular description of goods.—Metal Weather Strip.
Claims use since Mar. 1, 1921.

Ser. No. 166,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD LABORATORIES, Des Moines, Iowa. Filed July 8, 1922.

Blue-Cross

Particular description of goods.—Aspirin.
Claims use since June 29, 1922.

Ser. No. 166,746. (CLASS 15. OILS AND GREASES.) MARTIN PRODUCTS COMPANY, San Francisco, Calif. Filed July 11, 1922.

GREASEASY

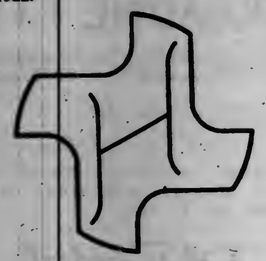
No claim made to the representation of a grease gun apart from the mark as shown on the drawing.
Particular description of goods.—Lubricating Grease in Cartridge Form.
Claims use since June 1, 1922.

Ser. No. 166,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CEREAL SYRUP COMPANY, Chicago, Ill. Filed July 14, 1922.

ACAROSE

Particular description of goods.—Sirup for Food Purposes.
Claims use since Aug. 1, 1919.

Ser. No. 167,129. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HARTFORD TAP & GAUGE COMPANY, Hartford, Conn. Filed July 20, 1922.



Particular description of goods.—Taps.
Claims use since at least Jan. 1, 1921.

Ser. No. 167,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM AMERISE, doing business as Hazleton Marcaroni Mfg. Co., Hazleton, Pa. Filed July 22, 1922.

PARADISE

Particular description of goods.—Olive Oil, Tomato-Paste Sauce.
Claims use since July 2, 1921.

Ser. No. 167,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT SCHMIDT, Berlin, Germany. Filed July 26, 1922.

Bedos

Particular description of goods.—Bleaching Preparations, Mordants, Acids, Codein Tablets, Phenacetin, Quinine, Antipyrene, Caffeine, Tinctures, Chloral Hydrate Tablets, Morphine Scopolamine, Novocaine, Adrenaline, Colchicine, Guaiacol, Menthol, Digitalis, Diuretic Tablets, Atropine, Arsenic Hypophosphite Tablets, Laxatives, Cascara Tablets, Calomel Tablets, Astringents, Bismuth-Opium Tablets, Soda-Mint Tablets, Stomach Tablets, Hyperacidity Tablets, Emetics, Anticlimacterium Tablets, Sedatives, Zinc Tablets, Hexamethylenetetramine Tablets, Potassium Iodide Tablets, Santonin Tablets, Aconite Tablets, Acetylosalic Acid Tablets, Bromide Tablets, Effervescent Sodium Bromide Tablets, Morphine Tablets, Morphine-Atropine Tablets, Camphor-Benzoin Tablets, Asthma Tablets, Creosote Tablets, Caffeine Tablets, Ether-Camphor Ampoules, Digitalis Tablets, Theobromide Tablets, Blaud's Pills, Glycerin-Phosphate Tablets, Arsenic Tablets, Calcium Tablets, Calomel Tablets for Children, Phenol-Phthalein Tablets, Opium Tablets, Hæmo-Styptic Tablets, Cereum-Oxalic Tablets, Pepsin Tablets, Flatulence Tablets, Ergotin Tablets, Ovary Tablets, Ichtyosilver Tablets, Salol Tablets, Hydrargyrum Tablets, Chenopodium Tablets, Tooth Paste, Greaseless Creams, Grease Creams, Mouth Washes, Talcum Powder, Shampoos, and Bath Salts.
Claims use since January, 1922.

Ser. No. 167,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MASSACHUSETTS CHOCOLATE COMPANY, Boston, Mass. Filed July 27, 1922.

BROADWAY

Particular description of goods.—Sweet-Chocolate Nut Bar.
Claims use since Jan. 18, 1922.

Ser. No. 167,563. (CLASS 15. OILS AND GREASES.) ROY W. GOODMAN, doing business as Goodman Oil Company, Boise, Idaho. Filed July 29, 1922.



The horizontal lining indicates portions shown in blue.
Particular description of goods.—Gasoline.
Claims use since Mar. 1, 1922.

Ser. No. 168,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN D. BOYLE, New York, N. Y. Filed Aug. 15, 1922.

Puff
The TALCUM POWDER

The words "The Talcum Powder" appearing on the drawing are disclaimed except as they may be used in conjunction with the trade-mark actually registered.
Particular description of goods.—Toilet Powder Applied to the Body.
Claims use since about July 14, 1922.

Ser. No. 168,559. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT HAYS SMITH, doing business as National Radioak Co., San Francisco, Calif. Filed Aug. 21, 1922.

α Radioak β
γ

Particular description of goods.—Radioactive Water for Use in the Treatment of Hardening of the Arteries, High Blood Pressure, Rheumatism of All Forms, Neuralgia, Sciatica, Gout, Arthritis, and Similar Painful and Crippling Maladies; Diabetes, Nephritis, Albuminuria, and Other Kidney Diseases; Syphilis, Catarrhal Conditions of the Gall Bladder, Diseases of the Pelvic Organs, Malaria, Skin Diseases, Alcoholism, Drug Addictions, Forms of Cardiovascular Disease with Increased Tension of the Blood Vessels; Debility, Neurasthenia, Anæmia, Toxemia and Conditions of Defective Elimination, and Many Affections of the Circulatory System and of the Nerves and Stomach.
Claims use since June 1, 1922.

Ser. No. 169,193. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WOLUMBO MANUFACTURING COMPANY, Bath, Me. Filed Sept. 7, 1922.

LUMINO

Particular description of goods.—Woolen Goods in the Piece.
Claims use since June 26, 1922.

Ser. No. 169,355. (CLASS 11. INKS AND INKING MATERIALS.) FULLRITE CARBON & RIBBON COMPANY, New York, N. Y. Filed Sept. 12, 1922.



The word "Brand" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Carbon Paper and Typewriter Ribbons.
Claims use since about Feb. 15, 1922.

Ser. No. 169,399. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. A. HARDY & COMPANY, Chicago, Ill. Filed Sept. 13, 1922.

RAYOMETER

Particular description of goods.—Lens-Measuring Instruments.
Claims use since April, 1922.

Ser. No. 170,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KABUSHIKI KAISHA SUZUKI SHOTEN, Kyobashi-Ku, Tokyo, Japan. Filed Oct. 4, 1922.



The Japanese characters shown on the drawing translated into English are "The Source of Flavor," the use of these words apart from the other features of the mark shown on the drawing being hereby disclaimed.
Particular description of goods.—Seasonings.
Claims use since 1908.

Ser. No. 170,640. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GOLDENBERG'S, Washington, D. C. Filed Oct. 12, 1922.

SMART SET

Particular description of goods.—Gold and Silver Jewelry for Personal Wear, Not Including Watches; Solid and Plated Silver Hollow Ware, Flatware, Tableware; Gold-Plated, Solid-Silver, and Silver-Plated Umbrella and Cane Handles; Platinumized Jewel Settings, Toilet Articles, Flasks, Picture and Mirror Frames, Desk Fittings, Smokers' Articles, Mesh Bags, Vases, Rosaries, and Thermometer Cases, All Made of or Plated with Precious Metal.
Claims use since Mar. 1, 1922.

Ser. No. 170,764. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEM RADIO COMPANY, Brooklyn, N. Y. Filed Oct. 16, 1922.

GEM

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof.
Claims use since Sept. 27, 1922.

Ser. No. 171,185. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed Oct. 25, 1922.

BY-JOE!

Particular description of goods.—Bar Candy.
Claims use since May, 1921.

Ser. No. 171,244. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHÖNIX SCHEERENFABRIK G. M. B. H., Ohligs, Germany. Filed Oct. 26, 1922.

S.S.

Particular description of goods.—Safety-Razor Blades and Hair Clippers.
Claims use since May 26, 1922.

Ser. No. 171,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Nov. 2, 1922.

COLUMBIA CHEMICAL COMPANY
BARBERTON ★ OHIO. U.S.A.

The wording on the drawing "Barberton Ohio U. S. A." is disclaimed apart from the mark shown.
Particular description of goods.—Soda Ash and Caustic Soda.
Claims use since 1900.

Ser. No. 172,248. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 18, 1922.

Permalloy

Particular description of goods.—Nickel-Iron Alloys of High Magnetic Permeability.
Claims use since Sept. 19, 1922.

Ser. No. 173,454. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) UNIQUE REPRODUCTION CO., INC., New York, N. Y. Filed Dec. 16, 1922.

ADD-A-TONE

The lining on drawing indicates shading only.
Particular description of goods.—Phonograph Reproducers.
Claims use since Nov. 1, 1922.

Ser. No. 173,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLEICOLA TARRAGONA, S. A., Tarragona, Spain. Filed Dec. 28, 1922.



No claim is made to any wording appearing on the drawing except to the word "Tarraco."
Particular description of goods.—Olive Oils.
Claims use since June 10, 1922.

Ser. No. 174,138. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOS. GARNEAU CO., INC., New York, N. Y. Filed Jan. 3, 1923.

SOLAR

Particular description of goods.—Canned Fish.
Claims use since Sept. 16, 1922.

Ser. No. 174,209. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMIN C. KRAPF, Brooklyn, N. Y. Filed Jan. 5, 1923. Under ten-year proviso.

Mistura Antirheumatica

Particular description of goods.—Pharmaceutical Preparation Used as a Remedy for Rheumatism.
Claims use since 1870.

Ser. No. 174,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK L. SPARKS, Meriden, Conn. Filed Jan. 6, 1923.

Lady Washington



The portrait shown is that of Lady Washington.
Particular description of goods.—Wheat and Rye Flour and Breakfast Cereals.
Claims use since Dec. 16, 1922.

Ser. No. 174,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANDY-TOY COMPANY OF AMERICA, Harrisburg, Pa. Filed Jan. 17, 1923.

FUN

The lining on the drawing indicates red and white to correspond with the label, although coloring is not an essential part of the mark.
Particular description of goods.—Candy Toys.
Claims use since Oct. 9, 1922.

Ser. No. 174,901. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) INTERSTATE ENGINEERING CO., Madison, Wis. Filed Jan. 22, 1923.

THERMOLYSIS

Particular description of goods.—Electrotherapeutic Apparatus.
Claims use since Nov. 26, 1922.

Ser. No. 175,321. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NEW YORK BELTING AND PACKING COMPANY, New York, N. Y. Filed Jan. 30, 1923.

MIAMI

Particular description of goods.—Belting Made of Rubber and Fabric.
Claims use since Oct. 31, 1922.

Ser. No. 176,160. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DOUGLAS & KING LIMITED, Winnipeg, Manitoba, Canada. Filed Feb. 17, 1923.

King's Old Country

Particular description of goods.—Nonalcoholic, Maltless Soft Drinks.
Claims use since Mar. 7, 1922.

Ser. No. 176,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES L. VAI, doing business as California Medicinal Wine Co., also doing business as Vai Brothers, Los Angeles, Calif. Filed Feb. 17, 1923.

PADRES

Particular description of goods.—Wine Bitters and Tonic.
Claims use since Feb. 17, 1920.

Ser. No. 176,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. W. CHASE AND SON MERCANTILE CO., St. Joseph, Mo. Filed Mar. 1, 1923.

Main Street

Particular description of goods.—Candy.
Claims use since Apr. 1, 1922.

Ser. No. 177,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORT WAYNE BUTTERINE & COFFEE COMPANY, Fort Wayne, Ind. Filed Mar. 17, 1923.

MOTHER'S SPREAD

Particular description of goods.—Oleomargarine Made from Animal Fat and Nut Ingredients.
Claims use since November, 1920.

Ser. No. 177,638. (CLASS 39. CLOTHING.) VIRGINIA SUPPLY COMPANY, Roanoke, Va. Filed Mar. 17, 1923.

VASCO

Particular description of goods.—Men's Leather, Rubber, and Fabric Shoes; Gloves, Socks; Men's Dress, Negligee, and Work Shirts; Overalls, and Men's Underwear of Knitted and Textile Fabric.
Claims use since Jan. 1, 1922.

Ser. No. 177,913. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHANN BOSCH GESELLSCHAFT M. B. H., FABRIK FÜR ASPHALT, DACHPAPPE U. TEERPRODUKTE, Vienna, Austria. Filed Mar. 23, 1923.

Lumin

Particular description of goods—Floor Polishes.
Claims use since Apr. 14, 1922.

Ser. No. 178,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AUTO-FIZIK CO., Peoria, Ill. Filed Mar. 26, 1923.

AUTO-FIZIK

Particular description of goods.—Carbon Remover for Use in Gasoline Engines.
Claims use since about Mar. 1, 1923.

Ser. No. 178,074. (CLASS 27. HOROLOGICAL INSTRUMENTS.) TORK COMPANY, INC., New York, N. Y. Filed Mar. 26, 1923.

TORK

Particular description of goods.—Clocks for Operating Electric Switches.
Claims use since Jan. 27, 1923.

Ser. No. 178,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. E. HOFFMAN CO., Dallas, Tex. Filed Mar. 27, 1923.



Particular description of goods.—Quinine Hair Tonic.
Claims use since Mar. 10, 1923.

Ser. No. 178,186. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHARAOH DRAPERY CO., INC., New York, N. Y. Filed Mar. 28, 1923.



Particular description of goods.—Piece Goods Manufactured from Cotton and Silk and from Cotton and Artificial Silk.
Claims use since Feb. 28, 1923.

Ser. No. 178,262. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANÇOIS LIBISCH, Paris, France. Filed Mar. 29, 1923.

"AMADO"

Particular description of goods.—Perfumery, Scents, Toilet Water, Hair Waters, and Dyes, Bath Waters; Powders, Pastes, and Paints for the Face and the Lips in Soft or Hard State, and Chemicals for Making Perfumes.
Claims use since July 1, 1922.

Ser. No. 178,369. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ENAMELED BRICK & TILE COMPANY, New York, N. Y. Filed Mar. 31, 1923. Under ten-year proviso.

AMERICAN

Particular description of goods.—Enameled Bricks.
Claims use since April, 1894.

Ser. No. 178,809. (CLASS 12. CONSTRUCTION MATERIALS.) BLUE DIAMOND MATERIALS COMPANY, INC., Los Angeles, Calif. Filed Apr. 9, 1923.

BLUE DIAMOND SERVICE MATERIALS CO., INC.

Particular description of goods.—Hard Wall Plaster, Casting Plaster, Plaster of Paris, Finishing Plaster, Lime, Wet Plasters, Dry Sanded Plaster, Brick Mortar, Lime Putty, Electric Stucco, Artrok Cement, Crushed Stone, Roofing Aggregate, Waterproofing Compound.
Claims use since June, 1916.

Ser. No. 178,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLEMENT H. MCCULLY, Brooklyn, N. Y. Filed Apr. 9, 1923.

MEDICATED-AIR TREATMENT

No claim is made for the words "Medicated Air Treatment" otherwise than connected with the drawing and mark as shown.
Particular description of goods.—Medicine for the Treatment of Nasal Catarrh, Cold in the Head, Influenza, Stuffed-Up Nostrils, and Tickling in the Throat and Hay Fever.
Claims use since July, 1918.

Ser. No. 179,021. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES F. WIESENMEYER, Springfield, Ill. Filed Apr. 11, 1923.



No claim is made to the representation of the chain and buckle apart from the mark shown on the drawing.
Particular description of goods.—Circular Automobile Chains and Other Chains Used on the Tires of Automobiles.
Claims use since about Mar. 15, 1921.

Ser. No. 179,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE S. A. SMITH COMPANY, Gary, Ind. Filed Apr. 18, 1923.

Sasco

Particular description of goods.—Canned Goods—Namely, Tomatoes, Spinach, Pumpkin, Sauerkraut, Sweet Peas, Hominy, Sweet Corn, Red Beans, Wax Beans, Salmon, Black Raspberries, Blackberries, Pork and Beans, Red Raspberries, Apricots, Cherries, Peaches, Pears, Sliced Pineapple, Loganberries, Strawberries, Beets, Evaporated Milk, Shrimp, Coffee, Plums, Sweet Potatoes, Lobster, and Tunny Fish.
Claims use since March, 1913.

Ser. No. 179,497. (CLASS 12. CONSTRUCTION MATERIALS.) TWIN CITY BRICK COMPANY, St. Paul, Minn. Filed Apr. 21, 1923.

Autumn Leaf

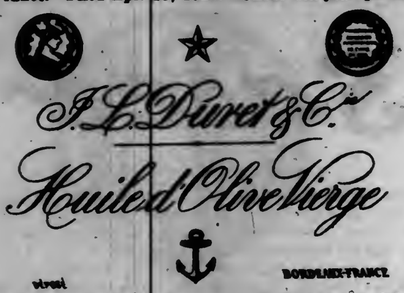
Particular description of goods.—Certain Type of Brick.
Claims use since on or about Jan. 1, 1913.

Ser. No. 179,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. DURET & CIE., Bordeaux, France. Filed Apr. 25, 1923.

VIRGIN OLIVE OIL
First Quality
PURE OLIVE OIL
J. L. Duret & Co.
Bordeaux France

No claim to the words "Virgin Olive Oil, First Quality, Pure Olive Oil, Bordeaux France" apart from the mark shown; neither is any claim made to the representation of a medal shown on drawing apart from mark.
Particular description of goods.—Olive Oil.
Claims use since Dec. 4, 1902.

Ser. No. 179,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. DURET & CIE., Bordeaux, France. Filed Apr. 25, 1923. Under ten-year proviso.



No claim is made to the representation of a medal as shown on the drawing apart from the mark shown.
Particular description of goods.—Olive Oil.
Claims use since Mar. 10, 1860.

Ser. No. 179,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. DURET & CIE., Bordeaux, France. Filed Apr. 25, 1923. Under ten-year proviso.



Particular description of goods.—Olive Oil.
Claims use since July 1, 1860.

Ser. No. 179,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. DURET & CIE., Bordeaux, France. Filed Apr. 25, 1923.



No claim is made to the words "Bordeaux, France, Marque Deposée, Pure Olive Oil, Huile d'Olive, Toute Contrefacon Sera Poursuivie Conformement Aux Lois" apart from the mark shown.
Particular description of goods.—Olive Oil.
Claims use since Mar. 1, 1907.

Ser. No. 179,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH N. THOMPSON, doing business as George Thompson & Son, New York, N. Y. Filed Apr. 26, 1923.

"Mattitucks"

Particular description of goods.—Oysters in the Shell Packed in Barrels or Boxes.
Claims use since October, 1917.

Ser. No. 179,953. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PAUL RUBBER CO., Salisbury, N. C. Filed Apr. 30, 1923.

AIR-GAGE

Particular description of goods.—Automobile Inner Tubes.
Claims use since Mar. 1, 1923.

Ser. No. 180,495. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDUARD RIETZ, Sao Paulo, Brazil. Filed May 11, 1923.

Zirkosilit

Particular description of goods.—Mine-Run, Graded, Dressed, and Partly-Dressed Zircon Ores for Ceramic, Chemical, and Metallurgical Operations.
Claims use since June 10, 1920.

Ser. No. 180,525. (CLASS 12. CONSTRUCTION MATERIALS.) COMMERCIAL SELLING CO. INC., Brooklyn, N. Y. Filed May 12, 1923.



Particular description of goods.—Sheet Roofing Containing Asphalt.
Claims use since Apr. 21, 1923.

Ser. No. 181,222. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH L. SMITH, doing business as Josmith Products Co., Denver, Colo. Filed May 26, 1923.

JOSMITH

Particular description of goods.—Paste—Namely, a Lubricant to Assist in Placing and Displacing Plates, Removable Bridges, and the Like, for Filling the Space Between Such Plates, Bridges, Orthodontic Appliances, and the Like and the Natural Teeth and Gums and About Such Plates, Bridges, and the Like in Order to Prevent Injurious Chemical Action Taking Place in Such Places, and for Filling Cavities in Teeth Temporarily and Lessening the Sensitiveness Thereof.
Claims use since Apr. 28, 1923.

Ser. No. 181,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. M. GASSER CO., Duluth, Minn. Filed June 2, 1923.

PLANTATION

Particular description of goods.—Coffee.
Claims use since 1915.

Ser. No. 181,697. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) RED WING UNION STONEWARE CO., Red Wing, Minn. Filed June 8, 1923.

KOVERWATE

Particular description of goods.—Earthenware—Namely, Jars, Covers, and Weights—for Use as Containers, Vegetable Presses, and for Like Purposes.
Claims use since May 1, 1923.

Ser. No. 181,711. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE WATSON COMPANY, Attleboro, Mass. Filed June 8, 1923.

"Heritage"

Particular description of goods.—Silver Hollow Ware and Flatware.
Claims use since May 1, 1923.

Ser. No. 181,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIVINGSTON COOPERATIVE SOCIETY, Livingston, Calif. Filed June 9, 1923.

GOLDEN GLOW

Particular description of goods.—Fresh Deciduous Fruits and Grapes.
Claims use since Sept. 9, 1920.

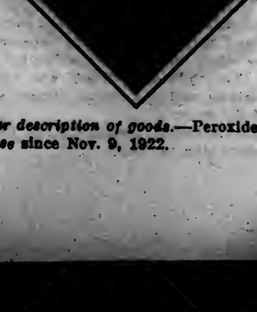
Ser. No. 181,814. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ISABEL N. CAVE, Brooklyn, N. Y. Filed June 11, 1923.

LY-FLAT

Particular description of goods.—Garment Hangers.
Claims use since November, 1922.

Ser. No. 181,870. (CLASS 17. TOBACCO PRODUCTS.) F. & E. SOTER CORPORATION, Brooklyn, N. Y. Filed June 11, 1923.

Red Bird



The bird and lettering are shown in red.
Particular description of goods.—Cigarettes.
Claims use since Feb. 1, 1922.

Ser. No. 182,003. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAMET CHEMICAL CORPORATION, New York, N. Y. Filed June 14, 1923.

PARAMET

Particular description of goods.—Varnish Gum.
Claims use since Sept. 15, 1920.

Ser. No. 182,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa. Filed June 14, 1923.

PMA

Particular description of goods.—Peroxide of Hydrogen.
Claims use since Nov. 9, 1922.

Ser. No. 182,155. (CLASS 16. PAINTS AND PAINTERS' MATERIALS. FRANK S. KELLY, doing business as Kelly's Japan Polish Co., Chicago, Ill. Filed June 18, 1923.

JAPAN YOUR



Particular description of goods.—Polish and Coating for Japanned, Varnished, or Enameled Surfaces.
Claims use since Oct. 2, 1922.

Ser. No. 182,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTLAND FLOUR MILLS CO., Portland, Oreg. Filed June 18, 1923.

SNOW DRIFT

Particular description of goods.—Wheat Flour.
Claims use since April, 1892.

Ser. No. 182,282. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BUFFALO WEAVING & BELTING CO., Buffalo, N. Y. Filed June 20, 1923.



The mark consists of blue and brown stripes applied to the goods and formed thereon by weaving strands of yarn of these colors into the body of the belting, which is white, so that the blue stripes are next to the edges of the belting and the brown stripes are on the central part of the same.
Particular description of goods.—Cotton Belting.
Claims use since May 14, 1923.

Ser. No. 182,309. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INDEPENDENT PICTURES CORPORATION, New York, N. Y. Filed June 21, 1923.

INDEPENDENT PICTURES CORP

Particular description of goods.—Positive Prints of Motion Pictures and Motion-Picture Films.
Claims use since Jan. 2, 1923.

Ser. No. 182,389. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. LEWIS WILSON, doing business as Tonsilo Company, Parkersburg, W. Va. Filed June 23, 1923.

TONSILO

Particular description of goods.—Preparation for Sore Throat and Tonsillitis.
Claims use since Jan. 1, 1920.

Ser. No. 182,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. MCCABE, doing business as McCabe Drug Co., Nekoma, N. Dak. Filed June 26, 1923.

VAPORO Geo. J. McCabe VAPORO

Particular description of goods.—Preparation for Internal Treatment of Coughs, Colds, Bronchitis, Bronchial Asthma, Spasmotic Croup, Whooping Cough, Sore Throat, Hay Fever, Throat Tickle, and Hoarseness.
Claims use since May, 1922.

Ser. No. 182,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRYSTAL CANDY COMPANY, Winston-Salem, N. C. Filed June 30, 1923.

NANCY HANKS

Particular description of goods.—Candy.
Claims use since November, 1921.

Ser. No. 182,744. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WM. FISCHER, New York, N. Y. Filed July 3, 1923.

CLICK-O

Mark consists of the word "Click-O".
Particular description of goods.—Clasp Fastener for Necklaces.
Claims use since about June 20, 1922.

Ser. No. 182,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH W. KIRKHAM, doing business as Trinity Drug Company, New York, N. Y. Filed July 5, 1923.

BENNO-DERM

Particular description of goods.—Healing Ointment.
Claims use since August, 1920.

Ser. No. 182,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRUMPY, FAESY & BESTHOFF, INC., New York, N. Y. Filed July 7, 1923.

MUSKETEER BRAND



No rights are asserted to the exclusive use of the word "Brand" except as associated with the other features of the trade-mark as shown in the drawing.
Particular description of goods.—Chemicals—Namely, Sulphate of Iron, Ordinary Crystals, Selected Crystals, and Recrystallized; Sulphite of Soda, Crystals and Anhydrous; Bisulphite of Soda, Liquid and Powder; Yellow Prussiate of Soda, Yellow Prussiate of Potash, Red Prussiate of Potash, Zettlitzer China Clay, Lime Magnesia, Glauber Salts, Epsom Salts, Carbonate of Magnesia, Magnesia Oxide, Iron Perchloride, Hyposulphite of Soda, Iron and Ammonium Citrate, Iron and Sodium Oxalate, Iron and Ammonium Oxalate, Tartar Emetic, Lead Acetates, All Grades.
Claims use since July 2, 1923.

Ser. No. 183,223. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MODERNOLA COMPANY, Johnstown, Pa. Filed July 14, 1923.

The Modernola

Particular description of goods.—Talking Machines.
Claims use since July, 1918.

Ser. No. 183,229. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed July 14, 1923.

Energee

Particular description of goods.—Gasoline.
Claims use since April, 1912.

Ser. No. 183,256. (CLASS 12. VEHICLES, NOT INCLUDING ENGINES.) Q. D. CURTAIN COMPANY, Cleveland, Ohio. Filed July 16, 1923.

Q. D.

Particular description of goods.—Automobile Curtains and Door-Opening Curtain Rods and Handles.
Claims use since Oct. 2, 1922.

Ser. No. 183,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS A. FINKELSTEIN, Johnstown, Pa. Filed July 16, 1923.

VITAL AIR

Particular description of goods.—Anesthetic for Use in Extracting Teeth.
Claims use since November, 1919.

Ser. No. 183,504. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SCHMIDT & AULT PAPER CO., York, Pa. Filed July 20, 1923.



Particular description of goods.—Indented Paper Carpet Lining.
Claims use since Apr. 3, 1923.

Ser. No. 183,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. ATWOOD, INC., New Haven, Conn. Filed July 21, 1923.

RADIO

Particular description of goods.—Peanut-Butter Sandwiches.
Claims use since Jan. 1, 1923.

Ser. No. 183,549. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRICAL HEATER COMPANY, Detroit, Mich. Filed July 23, 1923.



No claim is made herein to the representation in the drawing of a section of cord covering.
Particular description of goods.—Electrical Conductor Cords.
Claims use since about March, 1916.

Ser. No. 183,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS STANDARD BREAD COMPANY INCORPORATED, Los Angeles, Calif. Filed July 23, 1923.



The lining of the drawing is for purposes of shading only.
Particular description of goods.—Bread.
Claims use since Oct. 1, 1922.

Ser. No. 183,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANLEY B. MICHAEL, doing business as Niagara Sweetjoy Co., Buffalo, N. Y. Filed July 25, 1923.



Particular description of goods.—Assorted Candies and Assorted Chocolates.
Claims use since December, 1922.

Ser. No. 183,675. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Filed July 25, 1923.

BALANCED

Particular description of goods.—Gasoline.
Claims use since June 27, 1923.

Ser. No. 183,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed July 30, 1923.



The drawing is lined for purposes of shading only.
Particular description of goods.—Coffee.
Claims use since on or about Mar. 14, 1923.

Ser. No. 183,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio. Filed July 30, 1923.



Particular description of goods.—Matzos.
Claims use since 1914.

Ser. No. 183,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio. Filed July 30, 1923.



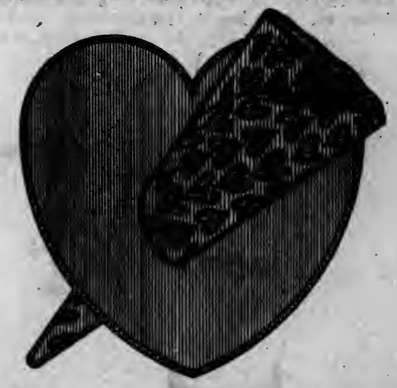
Particular description of goods.—Matzos
Claims use since prior to 1908.

Ser. No. 183,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ADAMS CONE CO., INC., Bridgeport, Conn. Filed July 31, 1923.

SWEET-HEART

"Sweet-Heart." The body portion of the letters is printed in red and the edges of the letters printed in black.
Particular description of goods.—Ice-Cream Cones.
Claims use since July 5, 1923.

Ser. No. 183,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ADAMS CONE CO., INC., Bridgeport, Conn. Filed July 31, 1923.



A representation of the cone is disclaimed apart from the other features of the mark, the body portion of the heart and cone being printed in red ink and the border of the same in black and the small hearts in yellow.
Particular description of goods.—Ice-Cream Cones.
Claims use since July 5, 1923.

Ser. No. 183,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMON M. GANS, doing business as Russianaise Co., New York, N. Y. Filed Aug. 1, 1923.

RUSSIANAISE

Trade-mark "Russianaise."
Particular description of goods.—Sauce Adapted for Use on Cold Meat, Fish, Poultry, or Game, as a Spread on Crackers or Bread, or as a Salad Dressing.
Claims use since July 1, 1923.

Ser. No. 183,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIEMON & EITING, New York, N. Y. Filed Aug. 1, 1923.

SEAMANS



Particular description of goods.—Wash Blue.
Claims use since Mar. 31, 1919.

Ser. No. 183,964. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN DINGIROGLOU, Portland, Oreg. Filed Aug. 2, 1923.

DING-LO

Particular description of goods.—Burners for Burning Fuel Oil in Furnaces.
Claims use since June 1, 1923.

Ser. No. 184,041. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SCOTT GAS APPLIANCE COMPANY, Washington, D. C. Filed Aug. 3, 1923.

SCOTT "FOR THRIFT"

The words "For Thrift" are hereby disclaimed except in combination with the mark shown.
Particular description of goods.—Gas Stoves.
Claims use since April, 1922.

Ser. No. 184,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMERY & FREEMAN, INC., Los Angeles, Calif. Filed Aug. 4, 1923.

REDHART

Particular description of goods.—Fresh Vegetables.
Claims use since July 21, 1923.

Ser. No. 184,082. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE LEBANON MACHINE COMPANY, INC., Lebanon, N. H. Filed Aug. 4, 1923.

LEBANON Speedee-Heet

No claim made to the exclusive use of the word "Lebanon."
Particular description of goods.—Heating Apparatus.
Claims use since Dec. 1, 1922.

Ser. No. 184,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN FRANKLIN WAYMIRE, Turloch, Calif. Filed Aug. 4, 1923.

Red Heart

Particular description of goods.—Fresh Cantaloupes.
Claims use since June 30, 1923.

Ser. No. 184,115. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BETTER TIRES COMPANY, Chicago, Ill. Filed Aug. 6, 1923.

GOLD-BOND

Particular description of goods.—Rubber Inner Tubes for Automobiles and the Like.
Claims use since May, 1921.

Ser. No. 184,119. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE L. D. CAULK COMPANY, Milford, Del. Filed Aug. 6, 1923.

THYMOZIN

Particular description of goods.—Preparation for Insertion in Dental Cavities to Form a Cap Over Dental Pulp and Nerves and Protect the Same Against Bacterial and Chemical Irritation, Thermal Shock, and Pressure.
Claims use since July 12, 1923.

Ser. No. 184,126. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DICKEY MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 6, 1923.



Particular description of goods.—Tents.
Claims use since Jan. 3, 1922.

Ser. No. 184,306. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France. Filed Aug. 10, 1923.

P. L.

Particular description of goods.—Automobiles, Automobile Trucks, Boats, Automobile Chassis, Canoes, and Launches.
Claims use since August, 1891.

Ser. No. 184,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED DRUG COMPANY, doing business as Langlois, Boston, Mass. Filed Aug. 11, 1923.

COEUR D'OR

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 29, 1917.

Ser. No. 184,414. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL LUMBER MANUFACTURERS ASSOCIATION, Washington, D. C. Filed Aug. 13, 1923.



Particular description of goods.—Dressed and Rough Lumber.
Claims use since July 26, 1923.

Ser. No. 184,467. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ANTON KATRINA, Yukon, Pa. Filed Aug. 14, 1923.



No claim made to the representation of the ring and the words thereon and the word "Safety" aside from the mark shown.
Particular description of goods.—Interchangeable Rings for Stovepipes.
Claims use since July 22, 1923.

Ser. No. 184,468. (CLASS 17. TOBACCO PRODUCTS.) D. EMIL KLEIN CO. INC., New York, N. Y. Filed Aug. 14, 1923.

UNITED HOTELS OF AMERICA

Particular description of goods.—Cigars, Cigarettes, Cheroots, and Smoking Tobacco.
Claims use since July 20, 1923.

Ser. No. 184,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BREWER & COMPANY, INC., Worcester, Mass. Filed Aug. 15, 1923.

Sun-Glow

Particular description of goods.—Cod-Liver Oil.
Claims use since Apr. 1, 1923.

Ser. No. 184,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OSAKA ZOSU KABUSHIKI KAISHA, Sakai, Japan. Filed Aug. 16, 1923.



Particular description of goods.—Vinegar.
Claims use since Aug. 14, 1908.

Ser. No. 184,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGIL M. GERRARD, Los Angeles, Calif. Filed Aug. 17, 1923.

Southern Cross

Particular description of goods.—Fresh Cantaloupes.
Claims use since Dec. 29, 1922.

Ser. No. 184,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENNETT-HUBBARD CANDY CO., Chattanooga, Tenn. Filed Aug. 18, 1923.

BENN-HUBB

Particular description of goods.—Candy.
Claims use since February, 1919.

Ser. No. 184,766. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN SCHEMINGER, Jr., Providence, R. I. Filed Aug. 20, 1923.

Aetna

Particular description of goods.—Liquid-Fuel Burners for Furnaces and Boiler Fire Boxes.
Claims use since June 3, 1919.

Ser. No. 184,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C. Filed Aug. 23, 1923.

E.Z.

Particular description of goods.—Laxative Medicinal Preparation.
Claims use since 1895.

Ser. No. 184,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C. Filed Aug. 23, 1923.

STOPIT

Particular description of goods.—Preparation for Treatment of Headache, Neuralgia, Nervousness, Insomnia, Travelers' Headaches.
Claims use since 1898.

Ser. No. 184,989. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JULIEN GIGUET, Lyon, France. Filed Aug. 24, 1923.



Particular description of goods.—Hair Nets.
Claims use since June 6, 1923.

Ser. No. 184,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN R. STEVE, doing business as The Haemozon Products Company, West Bend Wis. Filed Aug. 25, 1923.

HAEMOZON



The words "Health and Strength Through Oxygen" appearing on said drawing and on specimens of said trade-mark are disclaimed apart from said mark as shown.

Particular description of goods.—Hæmozon Preparations, Such as Preparations for the Treatment of Diseases Resulting from Faulty Metabolism, Diseases Due to an Excess of Waste Products and Toxins Present within the System, Constipation, Liver and Gall Complaints, Gout, Rheumatism, Nephritis, Diabetes, Arteriosclerosis, Heart and Stomach Troubles Due to Indigestion or Neurosis, Diseases of the Nervous System, Insomnia, Eczematous Eruptions of the Skin, Anæmia and Run-Down Conditions, Bath Compounds for Neurasthenia, Hysteria, Nervous Insomnia, Diseases of the Kidneys, Impoverished Blood, Etc., Nerve and Tissue Builder, Preparations for Catarrh, and a Laxative Compound.

Claims use since May 1, 1920.

Ser. No. 185,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MODERN PHARMACAL CO., INC., New York, N. Y. Filed Aug. 27, 1923.



Particular description of goods.—Toilet Preparations Comprising Rouge, Lip Sticks, Face Powder, and Compact (Form of Face Powder).

Claims use since June 1, 1923.

Ser. No. 185,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SACRAMENTO FEED AND FERTILIZER COMPANY, North Sacramento, Calif. Filed Aug. 29, 1923.



Particular description of goods.—Meat Scraps for Poultry.

Claims use since May 1922.

Ser. No. 185,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SACRAMENTO FEED AND FERTILIZER COMPANY, North Sacramento, Calif. Filed Aug. 29, 1923.

CAPITAL



Particular description of goods.—Raw Bone for Poultry.

Claims use since May, 1922.

Ser. No. 185,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLYDE MENAUGH, Muncie, Ind. Filed Aug. 30, 1923.

MERRY-LAX
MAKES YOU GLAD

Particular description of goods.—Laxative.

Claims use since June 1, 1923.

Ser. No. 185,284. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H. BEHLEN & BRO., New York, N. Y. Filed Sept. 4, 1923.



No claim is made to the exclusive use of the words "Trade Mark" apart from the mark shown in the drawing.

Particular description of goods.—Bronze Powders, Aluminum Powders, Lacquers, Bronzing Liquids, Dry Colors, Colors in Oil, Colors in Japan, Colors in Distemper, Driers, Paint Enamels, Enamel Undercoaters, Wood Fillers, Japans, Metallic Paints, Nutgalls, Paint Oils, Floor Oils, Linseed Oils, Polishing Oils, Rosin, Plaster Paris, Putty; Dry, Ready-Mixed, and Paste Paints; Smalts, Floor Stains, Liquid Stains, Turpentine, Shellacs, Imitation Shellacs, Spirits Copal, Varnish Crack Eradicator, Varnish Remover, Whiting, Walnut Extract, Walnut Shellacs, Stain Powders.

Claims use since 1893.

Ser. No. 185,286. (CLASS 12. CONSTRUCTION MATERIALS.) BENJAMIN BERMAN, doing business as Stonhard Company, Cleveland, Ohio. Filed Sept. 4, 1923.



No claim is made for the exclusive use of the words "Products Preserve".

Particular description of goods.—Liquid Preparation for Use as a Concrete Hardener and a Foundation Coating, Waterproofing Compound, Wood Preservative, and an Antifreeze Solution for Concrete.

Claims use since Nov. 1, 1922.

Ser. No. 185,296. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELVIN M. HALE, Stockton, Calif. Filed Sept. 4, 1923.



No claim is made to the words "Cold Treatment" appearing on the drawing.

Particular description of goods.—Pharmaceutical Preparation Used in the Treatment of Colds.

Claims use since 1915.

Ser. No. 185,333. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. FISCHER & CO. INC., New York, N. Y. Filed Sept. 5, 1923.

Burro

Particular description of goods.—Cut or Ground Coffee.

Claims use since Aug. 15, 1923.

Ser. No. 185,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS SUGAR REFINING COMPANY, Texas City, Tex. Filed Sept. 6, 1923.

DIAMOND



STAR

Particular description of goods.—Granulated Sugar.

Claims use since August, 1923.

Ser. No. 185,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER M. LOWNEY COMPANY, Boston, Mass. Filed Sept. 7, 1923.

GOLD STRIPE

Particular description of goods.—Assorted Chocolates.

Claims use since May 24, 1923.

Ser. No. 185,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. L. REID, Wilson, N. C. Filed Sept. 7, 1923.

DR. REID'S



A. E. Reid

The portrait shown in drawing is that of applicant.

Particular description of goods.—Preparation for Blind Stagger, Vertigo, Parturient Apoplexy for Cows, Acute Indigestion for Mules and Horses, and Warts on Live Stock.

Claims use since June 10, 1918.

Ser. No. 185,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE SEELMAN, Jr., doing business as Formath Company, Milwaukee, Wis. Filed Sept. 7, 1923.

FORMATH

Particular description of goods.—Antiseptic for Mouth Wash and General Toilet Use.
Claims use since Aug. 24, 1923.

Ser. No. 185,501. (CLASS 39. CLOTHING.) SOCIÉTÉ ANONYME DU LODEN FRANÇAIS, Paris, France. Filed Sept. 7, 1923.

"SALF"

Particular description of goods.—Men's, Women's, and Children's Waterproof Coats.
Claims use since July 10, 1920.

Ser. No. 185,534. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO PETERSON, Fort Bragg, Calif. Filed Sept. 8, 1923.

OIL OF THE FOREST

Particular description of goods.—Preparation for the Treatment of the Hands and Feet, Chronic Eczema, Skin Cancer, and All Skin Eruptions.
Claims use since Apr. 1, 1923.

Ser. No. 185,537. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & Co., Philadelphia, Pa. Filed Sept. 8, 1923.

Verri Vogue

No claim made to the word "Vogue" apart from the mark as shown.
Particular description of goods.—Cotton, Cotton and Silk, and Cotton and Wool Goods in the Piece.
Claims use since May, 1923.

Ser. No. 185,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEVE A. D. SZIBER, New York, N. Y. Filed Sept. 8, 1923.



No claim made to the words "Sugar Fluid" aside from the mark shown. The drawing includes portrait of applicant.
Particular description of goods.—Medicine for Tuberculosis, Diphtheria, Purification of Blood, and Prolongation of Life.
Claims use since Oct. 1, 1922.

Ser. No. 185,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THACHER MEDICINE COMPANY, Chattanooga, Tenn. Filed Sept. 8, 1923.



The mark comprises the portrait of Dr. H. S. Thacher (deceased).
Particular description of goods.—Pharmaceutical Preparations—Namely, Liver and Blood Sirup.
Claims use since February, 1906.

Ser. No. 185,564. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Sept. 10, 1923.

FAUSTA

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Skin and Hair, and Bath Salts.
Claims use since Aug. 30, 1923.

Ser. No. 185,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOLDEN AGE REMEDY CO., Joplin, Mo. Filed Sept. 11, 1923.

HODAN

Particular description of goods.—Medicine—Namely, Blood Purifier.
Claims use since June 1, 1923.

Ser. No. 185,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RAT-CHEK CO., INC., New York, N. Y. Filed Sept. 11, 1923.



No claim made to the exclusive use of the representation of a rat apart from the mark as shown in the drawing.
Particular description of goods.—Rat Poisons.
Claims use since Apr. 2, 1923.

Ser. No. 185,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. LAWRENCE-TOOMBS & SONS, Houston, Tex. Filed Sept. 11, 1923.



The words "Brand," "Fancy Selected Eggs," "Eggs", or "One Dozen" are disclaimed.
Particular description of goods.—Eggs.
Claims use since Aug. 15, 1923.

Ser. No. 185,695. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH FARRELLY, doing business as Radermo Laboratories, Pelham, N. Y. Filed Sept. 12, 1923.

Ra-der-mo

Particular description of goods.—Complexion Cream.
Claims use since Sept. 7, 1923.

Ser. No. 185,749. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FAHNESTOCK ELECTRIC CO., Long Island City, N. Y. Filed Sept. 13, 1923.



The words "Quick Action" and the representation of the goods are disclaimed apart from the mark as shown.
Particular description of goods.—Spring Binding Posts, Telephone Test Connectors, Telegraph Connecting Blocks, Ignition Switches, Spark-Plug Connectors, and Radio Connecting Blocks.
Claims use since Aug. 8, 1923.

Ser. No. 185,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD L. MILLER, Buffalo, N. Y. Filed Sept. 13, 1923.



The vertical lines of drawing do not represent color, but shading only.
Particular description of goods.—Tonics for Rebuilding and Invigorating the Glands of the Body.
Claims use since Aug. 20, 1923.

Ser. No. 185,770. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE C. D TUSKA COMPANY, Hartford, Conn. Filed Sept. 13, 1923.

SUPERDYNE

Particular description of goods.—Radio Transmitting and Receiving Sets and Parts Thereof.
Claims use since May 1, 1923.

Ser. No. 185,799. (CLASS 39. CLOTHING.) STEINBERG & LINDEN, New York, N. Y. Filed Sept. 14, 1923.

BONNIE BRAE

Particular description of goods.—Women's and Misses' Dresses, Suits, and Coats.
Claims use since Aug. 30, 1923.

Ser. No. 185,830. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) KIMBERLY PHONOGRAPH CO. OF N. J., Perth Amboy, N. J. Filed Sept. 15, 1923.

KIMBERLEY



No claim made to the exclusive use of the words "The Instrument for Particular People" "Perfect as a Gem," and "New York" apart from the mark as shown in the drawing.
Particular description of goods.—Phonographs.
Claims use since Aug. 1, 1918.

Ser. No. 185,837. (CLASS 39. CLOTHING.) NEMO CIRCLET COMPANY INC., New York, N. Y. Filed Sept. 15, 1923.

TUBE SHAPE

No claim is herein made to the right to the use of the word "Shape" apart from the word "Tube" as shown in the drawing.
Particular description of goods.—Corsets, Brassières, and Women's Underwear of Textile Fabric.
Claims use since Sept. 1, 1923.

Ser. No. 185,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLTON & BOWEN, Rolfe, Iowa. Filed Sept. 17, 1923.

R. P. B.

Particular description of goods.—Fresh Eggs and Storage Eggs.
Claims use since January, 1903.

Ser. No. 185,877. (CLASS 32. FURNITURE AND UPHOLSTERY.) RASCH & GAINOR, Baltimore, Md. Filed Sept. 17, 1923.

ALL-PAKT



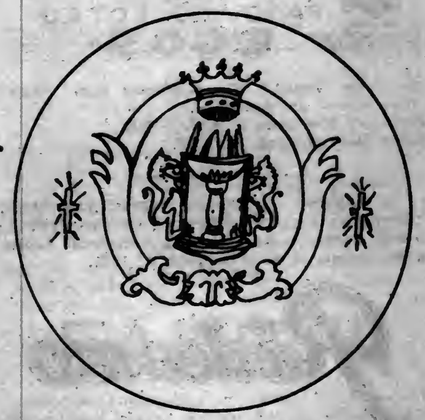
Particular description of goods.—Window Shades.
Claims use since July, 1923.

Ser. No. 185,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VEGETABLE EXCHANGE OF CALIFORNIA, INC., San Francisco, Calif. Filed Sept. 19, 1923.

VELVET RED

No claim is made to the word "Red" apart from the mark shown.
Particular description of goods.—Fresh Tomatoes.
Claims use since July 19, 1923.

Ser. No. 185,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIONI FRUIT & PACKING CO., INC., San Francisco, Calif. Filed Sept. 20, 1923.



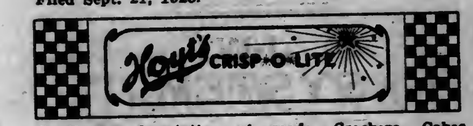
Particular description of goods.—Tomato Paste.
Claims use since May 23, 1923.

Ser. No. 185,964. (CLASS 39. CLOTHING.) PATERSON KNITTING MILLS INC., Paterson, N. J. Filed Sept. 20, 1923.



The oval-shaped design and the pointed line are printed in red, and the lettering is printed in black.
Particular description of goods.—Hosiery.
Claims use since June 1, 1923.

Ser. No. 186,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOYT'S CONSUMERS CRACKER & BISCUIT CORPORATION, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Filed Sept. 21, 1923.



Particular description of goods.—Crackers, Cakes, Wafers, and Biscuit.
Claims use since May 1, 1923.

Ser. No. 186,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOS ANGELES MILO WHEAT CO., Glendale, Calif. Filed Sept. 21, 1923.



The word "Wheat" and the representation of wheat heads are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Cereal Food for Breakfast Food and Porridge.
Claims use since July, 1922.

Ser. No. 186,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM CHARLES AHRENS, Cary Station, Ill. Filed Sept. 22, 1923.

AHRENS' DISTEMPER CURE



No claim is made for the words "Distemper Cure" apart from the mark shown in the drawing.
Particular description of goods.—Medicine for Use in the Distemper of Dogs.
Claims use since June 15, 1923.

Ser. No. 186,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRIET HUBBARD AYER, New York, N. Y. Filed Sept. 22, 1923.

The Ayeristocrat
(OF ALL)

Particular description of goods.—Talcum Powder and Theatrical Powder.
Claims use since October, 1912.

Ser. No. 186,055. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLAUDE H. HAYS, Union, Miss. Filed Sept. 22, 1923.

WHIZ-ZUM

Particular description of goods.—Game of Chance Played with a Rotating Wheel.
Claims use since Aug. 7, 1923.

Ser. No. 186,065. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) CARL M. LOVSTED, doing business as C. M. Lovsted & Co., Seattle, Wash. Filed Sept. 22, 1923.

ROYAL

Particular description of goods.—Steel Castings.
Claims use since November, 1920.

Ser. No. 186,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y. Filed Sept. 22, 1923.



Particular description of goods.—Laxative Tablets.
Claims use since Sept. 1, 1923.

Ser. No. 186,084. (CLASS 5. ADHESIVES.) ROBESON PROCESS COMPANY, New York, N. Y. Filed Sept. 22, 1923.

ENCORE

Particular description of goods.—Adhesive Employed as a Binder or Bonding Agent in the Manufacture of Cores, Blocks, Bricks, Briquets, and Other Shapes or Masses from Finely-Divided Mineral Matter, Such as Sand, Earths, Cements, Ores, and Fuel.
Claims use since Sept. 5, 1923.

Ser. No. 186,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELINE'S INCORPORATED, Milwaukee, Wis. Filed Sept. 24, 1923.

B-LINE'S

Particular description of goods.—Milk Chocolate.
Claims use since Sept. 12, 1923.

Ser. No. 186,197. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed Sept. 25, 1923.



Applicant disclaims any exclusive right to the map of the United States apart from the other features of the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 9, 1923.

Ser. No. 186,230. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE A. HEUER, Bellaire, N. Y. Filed Sept. 26, 1923.

DUCKBACK

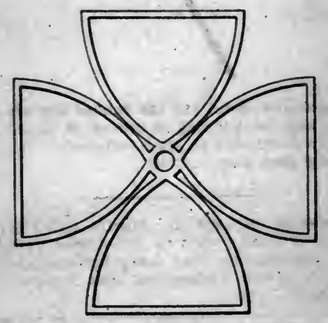
Particular description of goods.—Shingle Stain.
Claims use since about June 1, 1923.

Ser. No. 186,285. (CLASS 37. PAPER AND STATIONERY.) MCLAURIN-JONES CO., Brookfield, Mass. Filed Sept. 27, 1923.

KROMO

The mark consists of the word "Kromo."
Particular description of goods.—Coated Paper Adapted Especially to be Printed or Lithographed.
Claims use since about Feb. 1, 1923.

Ser. No. 186,307. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN WALENTOVIC, Verona, Pa. Filed Sept. 27, 1923.



J-W SYSTEM

No claim made to the word "System" aside from the mark shown.
Particular description of goods.—Supports in Chimneys for Stovepipes of Different Diameters.
Claims use since Aug. 13, 1923.

Ser. No. 186,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Sept. 28, 1923.

LE BEAU NARCISSE

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CLAIRE

Particular description of goods.—Perfume and Toilet Waters.
Claims use since Sept. 26, 1923.

Ser. No. 186,342. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY J. WILLIAMSON, Cades, S. C. Filed Sept. 28, 1923.

"CCGK"

Particular description of goods.—Medicine Used in the Treatment of Diseases of the Lungs and Throat.
Claims use since Mar. 15, 1903.

Ser. No. 186,387. (CLASS 15. OILS AND GREASES.) THE MOTOYL COMPANY, Tulsa, Okla. Filed Sept. 29, 1923.

MOTOYL
IT LUBRICATES

The words "It Lubricates" are disclaimed apart from the mark as shown.
Particular description of goods.—Petroleum, Lubricating Oils and Greases, Such as Automobile Oils, Automobile Cylinder Oils, Motor Oils, Engine Oils, Motor-Cycle Oils, Transmission Oils, Cup Grease, Transmission Grease, and Gear Grease.
Claims use since Sept. 20, 1923.

Ser. No. 186,418. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DETROIT MASONIC TEMPLE ASSOCIATION, Detroit, Mich. Filed Oct. 1, 1923.

Masonic News
THE NATIONAL MASONIC MAGAZINE

Particular description of goods.—Monthly Periodicals.
Claims use since May 1, 1923.

Ser. No. 186,419. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. T. DEWEY & SONS COMPANY, New York, N. Y. Filed Oct. 1, 1923.



The picture which forms a feature of the mark is a facsimile of a portrait of Hiram T. Dewey, the deceased founder of the business. No claim is made to the word "Emulsion" apart from the mark shown by the drawing.
Particular description of goods.—Emulsion of Cod-Liver Oil and Port Wine with Glycerophosphate of Lime for the Treatment of Coughs, Colds, and Lung Troubles, and for Use as a Tonic.
Claims use since April, 1923.

Ser. No. 186,421. (CLASS 2. RECEPTACLES.) EAGLE MANUFACTURING COMPANY, Wellsburg, W. Va. Filed Oct. 1, 1923.

EAGLE

Particular description of goods.—Oil-Containing Receptacles—Namely, Oilers and Supply Cans.
Claims use since 1907.

Ser. No. 186,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAINE POTATO GROWERS' EXCHANGE, Caribou, Me. Filed Oct. 3, 1923.



No claim is made to the words "Maine Potatoes" apart from the mark shown in the drawing.
Particular description of goods.—Potatoes in Their Natural State.
Claims use since Sept. 28, 1923.

Ser. No. 186,533. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Oct. 3, 1923.

LADDIE

Particular description of goods.—Toilet Paper, Paper Towels, and Paper Napkins.
Claims use since Sept. 1, 1923.

Ser. No. 186,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY PORK PRODUCTS CO., Birmingham, Ala. Filed Oct. 4, 1923.

LEGG'S PORK SAUSAGE



The words "Pork Sausage" and the pictorial representation of a hog are disclaimed apart from the mark as shown.

Particular description of goods.—Pork Sausage.
Claims use since Aug. 28, 1919.

Ser. No. 186,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY PORK PRODUCTS CO., Birmingham, Ala. Filed Oct. 4, 1923.

LINDSAY'S PURE PORK SAUSAGE

"The Meat That's a Treat"

The words "Pure Pork Sausage," the clause "The Meat That's a Treat," and the representation of a hog are disclaimed apart from the mark as shown.

Particular description of goods.—Sausage.
Claims use since Sept. 1, 1923.

Ser. No. 186,569. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Oct. 4, 1923.

Fleurs Joyeuse

Particular description of goods.—Perfumes.
Claims use since Sept. 13, 1923.

Ser. No. 186,587. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JESSE G. CROLL, doing business as Jesse G. Croll & Son, Philadelphia, Pa. Filed Oct. 5, 1923.

CELULAIN

Particular description of goods.—Paint Enamels and Ready-Mixed Paints.
Claims use since about June 1, 1923.

Ser. No. 186,610. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PIONEER PRODUCTS COMPANY, Dayton, Ohio. Filed Oct. 5, 1923.

CHEX

Particular description of goods.—Liquid Shampoo and Dandruff Cure.
Claims use since Apr. 3, 1923.

Ser. No. 186,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARK W. ALLEN & CO., doing business as Checker Hair Tonic Co., Detroit, Mich. Filed Oct. 6, 1923.

CHECKER

Particular description of goods.—Hair Tonics.
Claims use since Sept. 27, 1923.

Ser. No. 186,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Oct. 6, 1923.

MITZI

Particular description of goods.—Sachet, Tooth Powder, Cold Cream, Tooth Paste, Bath Powder, Skin and Tissue Cream, Smelling Salts, Toilet Water, Almond Meal, Toilet Cerate, Vanishing Cream, Headache Cologne, Perfume, Face Powder, Bath Salts, Talcum, and Lip Rouge.
Claims use since Sept. 20, 1923.

Ser. No. 186,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 6, 1923.

AMAZON

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Canned Fish.
Claims use since 1903.

Ser. No. 186,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL PRODUCTS CO., Eau Claire, Wis. Filed Oct. 6, 1923.

LAY-LOX

Particular description of goods.—Chemical Preparation Suitable for the Treatment of Hair.
Claims use since Sept. 13, 1923.

Ser. No. 186,683. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) H. M. TOWER CORPORATION, West Haven, Conn. Filed Oct. 6, 1923.

ROAD HOUND

Particular description of goods.—Motor Trucks.
Claims use since Mar. 23, 1923.

Ser. No. 186,696. (CLASS 11. INKS AND INKING MATERIALS.) THE COLUMBIA CARBON COMPANY, Dayton, Ohio. Filed Oct. 8, 1923.

SANSILK

Particular description of goods.—Inked Ribbons.
Claims use since Sept. 15, 1923.

Ser. No. 186,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON ARMS, New York, N. Y. Filed Oct. 8, 1923.

HYDE



HYDE

Gordon Arms

Particular description of goods.—Candy.
Claims use since May 2, 1923.

Ser. No. 186,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOME CANDY COMPANY, Pocahontas, Iowa. Filed Oct. 8, 1923.

Million Dollar Bar

The word "Bar" is disclaimed apart from the mark shown.

Particular description of goods.—Candy Bar.
Claims use since Mar. 14, 1923.

Ser. No. 186,709. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HOOPS LIMITED, Toronto, Ontario, Canada. Filed Oct. 8, 1923.

FRESCO-LITH

Particular description of goods.—Paint Product or Emulsion Paint in the Form of Paste.
Claims use since prior to Jan. 1, 1923.

Ser. No. 186,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOTO TRADING COMPANY, LTD., New York, N. Y. Filed Oct. 8, 1923.

KOTO

Particular description of goods.—Canned Crab Meat.
Claims use since January, 1922.

Ser. No. 186,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM C. WATKINS, doing business as Galvanic Chemical Company, St. Louis, Mo. Filed Oct. 8, 1923.

CARODENT

Particular description of goods.—Tooth paste.
Claims use since Mar. 1, 1923.

Ser. No. 186,741. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARTOZIAN BROTHERS, INCORPORATED, Portland, Oreg. Filed Oct. 9, 1923.



Particular description of goods.—Oriental Rugs.
Claims use since Oct. 3, 1923.

Ser. No. 186,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID CURTIS, doing business as De-Ce-Products Co. of New York, New York, N. Y. Filed Oct. 9, 1923.

ANESTEX

The mark consists of the word "Anestex".

Particular description of goods.—Local Anesthetic.
Claims use since Sept. 20, 1922.

Ser. No. 186,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Oct. 9, 1923.

MARINOL

Particular description of goods.—Preparation of Cod-Liver Oil Designed for Internal Administration.
Claims use since Sept. 19, 1923.

Ser. No. 186,767. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed Oct. 9, 1923.

WHITE CROSS



Particular description of goods.—Soap.
Claims use since Sept. 5, 1923.

Ser. No. 186,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Oct. 10, 1923.

PIQUANTE

Particular description of goods.—Liquid and Powdered Perfumes.
Claims use since Sept. 15, 1923.

Ser. No. 186,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARD C. DAVIS, doing business as The Sanco Co., Canton, Ohio. Filed Oct. 10, 1923.

SANCO

Particular description of goods.—Water-Softening Material.
Claims use since Aug. 15, 1923.

Ser. No. 186,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIUS Q. GILL, doing business as Gill Railway Supply Co., Peoria, Ill. Filed Oct. 10, 1923.

GRISCO

Particular description of goods.—Compound for Removing Scale from Steam Boilers.
Claims use since about Jan. 15, 1923.

Ser. No. 186,782. (CLASS 15. OILS AND GREASES.) JULIUS Q. GILL, doing business as Gill Railway Supply Co., Peoria, Ill. Filed Oct. 10, 1923.

GRISCO

Particular description of goods.—Cutting Oil Characterized as a Lubricant for Dies, Taps, Drills, Cutting Tools, and the Like Used in Machining Operations and as a Cooling Lubricant in Such Operations.
Claims use since about Jan. 20, 1923.

Ser. No. 186,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HUDSON PHARMACAL CO, INC., Union Hill, N. J. Filed Oct. 10, 1923.

ORCHOTINE

Particular description of goods.—Pharmaceutical Preparation Composed of Animal Gland Substances for the Treatment of Nervous Disorders, Nervous Exhaustion, Fatigue, and Subefficiency of Men Due to Glandular Insufficiency.
Claims use since Sept. 25, 1923.

Ser. No. 186,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERSTATE LAND HOLDING COMPANY, Smartville, Calif. Filed Oct. 10, 1923.

BONANZA

Particular description of goods.—Fresh Pears.
Claims use since 1915.

Ser. No. 186,809. (CLASS 5. ADHESIVES.) MILTON D. SWARTZ, doing business as Baltimore Water Paint Company, Baltimore, Md. Filed Oct. 10, 1923.



The lining represents the colors red and blue.
Particular description of goods.—Wall Sizes.
Claims use since Feb. 15, 1920.

Ser. No. 186,824. (CLASS 39. CLOTHING.) BOYCE, WHEELER & BOYCE, INC., New York, N. Y. Filed Oct. 11, 1923.

BWB

Particular description of goods.—Sweaters and Knit Coats.
Claims use since June, 1923.

Ser. No. 186,825. (CLASS 39. CLOTHING.) BOYCE, WHEELER & BOYCE, INC., New York, N. Y. Filed Oct. 11, 1923.

Tricolok

Particular description of goods.—Knit Union Suits, Vests, Bloomers, and Shirts.
Claims use since June, 1923.

Ser. No. 186,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL COMMERCIAL COMPANY, Chicago, Ill. Filed Oct. 11, 1923.

STASO

Particular description of goods.—Silicate of Soda (Water Glass) for Use as an Adhesive, as an Egg Preservative, as a Sizing Compound, for Use in the Manufacture of Soap, and for Such Other Uses as the Material is Adapted, and Sal Soda (Sodium Carbonate) for Use as a Washing Compound and for Such Other Uses as the Material is Adapted.
Claims use since Sept. 21, 1923.

Ser. No. 186,845. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAXAMIN LABORATORIES, Richmond Hill, N. Y. Filed Oct. 11, 1923.

Laxamin

The mark consists of the word "Laxamin."
Particular description of goods.—Laxative.
Claims use since Aug. 2, 1923.

Ser. No. 186,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUNT BETTY'S PRODUCTS CO., Los Angeles, Calif. Filed Oct. 12, 1923.

Aunt Betty's



Particular description of goods.—Marmalades, Honey, Table Sirup, Salad Dressing, Jams and Jellies, Pickles, and Relishes Composed of Finely-Chopped Vegetables and Spices, Candied Fruit, Catchup.
Claims use since July 1, 1923.

Ser. No. 186,867. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRADLEY-WISE PAINT COMPANY, Los Angeles, Calif. Filed Oct. 12, 1923.



The phrase "Service in Every Can" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Varnishes, Paint Enamels, Dry Pigment, Lacquers, Lead in Oil, Zinc in Oil, Linseed Oil and Substitutes; Turpentine, Calcimine, Varnish Stains, Oil Stains.
Claims use since April, 1921.

Ser. No. 186,872. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHERAMY, INC., New York, N. Y. Filed Oct. 12, 1923.

NUÉE D'OR

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Toilet Powders, Sachet, Rouge, and Brilliantine.
Claims use since Oct. 3, 1923.

Ser. No. 186,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Oct. 12, 1923.

MAYTIME

Particular description of goods.—Skin and Tissue Creams, Bath Powders, Lip Rouge, Perfumes, Almond Meal, and Smelling Salts.
Claims use since Sept. 28, 1923.

Ser. No. 186,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TROPICAL PRESERVING CO., Los Angeles, Calif. Filed Oct. 12, 1923.

TROPICAL

Particular description of goods.—Jams, Jellies, Fruit Preserves, Mincemeat.
Claims use since January, 1910.

Ser. No. 186,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed Oct. 13, 1923.

FANSTEEL

Particular description of goods.—Sodium Tungstate and Tungstic Acid.
Claims use since July 8, 1918.

Ser. No. 186,964. (CLASS 46. FOODS AND INREDIENTS OF FOODS.) ANDREW ROHAN COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1923.

WHITE HOUSE

Particular description of goods.—Mayonnaise and Salad Dressing.
Claims use since July 1, 1923.

Ser. No. 186,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. HALLER, doing business as Halmo Medicine Company, Dayton, Ohio. Filed Oct. 15, 1923.

HALMO

Particular description of goods.—Medicine for Hay Fever, Burns, and Running Sores.
Claims use since Sept. 22, 1923.

Ser. No. 186,995. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING HUBBET, New York, N. Y. Filed Oct. 15, 1923.

HI GLOSS

No claim is made to the word "Gloss" apart from the mark shown on the drawing.
Particular description of goods.—Nail Polish.
Claims use since Aug. 15, 1923.

Ser. No. 187,024. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE D. SWANDELL, doing business as Modern Methods Laboratories, Chicago, Ill. Filed Oct. 15, 1923.

Madame Jane

Particular description of goods.—Depilatory and Superfluous-Hair Remover.
Claims use since Apr. 2, 1923.

Ser. No. 187,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILOMENE BOND, Boston, Mass. Filed Oct. 17, 1923.

BOND-RUB

Particular description of goods.—For Medicine Used in the Treatment of Cancer, Ulcer, Blindness, Dry Throat, Catarrh, Heart Disease, Rheumatism, Sleeping Sickness, Nervous Weakened Condition of the System, Paralysis, and High Blood Pressure.
Claims use since 1913.

Ser. No. 187,115. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARNITA CHEMICAL CO., Washington, D. C. Filed Oct. 17, 1923.

MARNITA

Particular description of goods.—Cough Sirup.
Claims use since Oct. 15, 1923.

Ser. No. 187,153. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PAUL DICKINSON INCORPORATED, Chicago, Ill. Filed Oct. 18, 1923.

ÆOLUS

Particular description of goods.—Ventilator.
Claims use since June, 1913.

Ser. No. 187,164. (CLASS 12. CONSTRUCTION MATERIALS.) SIMON LAKE, Milford, Conn. Filed Oct. 18, 1923.

INSULCRETE

Particular description of goods.—Concrete Slabs for Building Construction.
Claims use since July 18, 1923.

Ser. No. 187,169. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. E. MCKAY & COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 18, 1923.

MAC.K.MADE FABRICS

No claim is made to the word "Fabrics" apart from the other features of the mark.
Particular description of goods.—Cotton Piece Goods, Cotton and Silk Mixtures, and Cotton and Wool Mixtures, Linen, and Cotton and Linen Mixtures, Both of Domestic and Foreign Manufacture—Namely, Nainsook, Batiste, Organdie, Gingham, Zephyr, Tissue, Ratteen, Dimity, Long Cloth, Plain Voiles, Printed Voiles, Sateens, Dotted Swisses, Crepes, Beach Cloths, Waistings, and Novelties Composed of the Above-Mentioned Fabrics.
Claims use since July 1, 1923.

Ser. No. 187,181. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn. Filed Oct. 18, 1923. Under ten-year proviso.

BARNEY & BERRY

Particular description of goods.—Ice Skates, Roller Skates, and Parts Thereof.
Claims use since about 1886.

Ser. No. 187,183. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE J. YORE, doing business as Bag-O-Heat Company, Not Inc., Chicago, Ill. Filed Oct. 18, 1923.

"OVR-NITE"

Particular description of goods.—Heating Pads.
Claims use since Sept. 19, 1923.

Ser. No. 187,216. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARK ISAACS, Jacksonville, Fla. Filed Oct. 19, 1923.

ISAAC'S SATIS-FACTION

Particular description of goods.—Insecticides.
Claims use since Mar. 1, 1923.

Ser. No. 187,223. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed Oct. 19, 1923.

AVONDALE



The portrait in the drawing represents the celebrated writer William Shakespeare.
Particular description of goods.—Ammonia and Bluing.
Claims use since 1885.

Ser. No. 187,231. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISE SINCLAIR, Galveston, Tex. Filed Oct. 19, 1923.



The letters of the mark appear in solid blue colors.
Particular description of goods.—Toffee and Candies.
Claims use since Oct. 9, 1923.

Ser. No. 187,235. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Oct. 19, 1923.

Charme d'Amour

Particular description of goods.—Perfumes.
Claims use since Nov. 1, 1917.

Ser. No. 187,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn. Filed Oct. 19, 1923.

UNIVERSITY

Particular description of goods.—Salt, Baking Soda, Starch for Laundry Purposes, Lye, Ammonia, and Liquid Bluing.
Claims use since Jan. 1, 1900.

Ser. No. 187,251. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STACY B. GANOW, New York, N. Y. Filed Oct. 20, 1923.

THIOPHATES

The mark consists of the word "Thiophates."
Particular description of goods.—Saline Laxative.
Claims use since Sept. 11, 1923.

Ser. No. 187,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. M. PIERCE, doing business as Estoma Co., Detroit, Mich. Filed Oct. 20, 1923.

ESTOMA

Particular description of goods.—Medicine for the Treatment of Stomach, Liver, and Intestinal Ailments.
Claims use since Jan. 1, 1923.

Ser. No. 187,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIS NORTON & CO., North Topeka, Kans. Filed Oct. 20, 1923.



Particular description of goods.—Wheat Flour.
Claims use since Sept. 1, 1923.

Ser. No. 187,278. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ALLIED GROCERS, INC., New York, N. Y. Filed Oct. 22, 1923.

The HOSTESS

Particular description of goods.—Title of a Monthly Publication.
Claims use since May 14, 1923.

Ser. No. 187,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL B. JOHNSON, doing business as Herington Creamery Co., Herington, Kans. Filed Oct. 22, 1923.

prairie Gold

Particular description of goods.—Butter.
Claims use since Dec. 1, 1915.

Ser. No. 187,318. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KIDDIE'S KARNIVAL CORPORATION, Eufaula, Ala. Filed Oct. 22, 1923.

KIDDIE'S KARNIVAL

Particular description of goods.—Miniature Theaters, Toy Figures, and Accessories Used in Connection Therewith.
Claims use since February, 1923.

Ser. No. 187,328. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYON & HEALY, INC., Chicago, Ill. Filed Oct. 22, 1923.

MARAVIGLIA

Particular description of goods.—Piano Keyboard Accordion.
Claims use since 1919.

Ser. No. 187,332. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAILOMETER COMPANY, Detroit, Mich. Filed Oct. 22, 1923.

MAIL-O-METER

Particular description of goods.—Combined Sealing and Stamping Machines and Sealing Machines.
Claims use since December, 1915.

Ser. No. 187,348. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROSS-TACONY CRUCIBLE COMPANY, Tacony, Philadelphia, Pa. Filed Oct. 22, 1923.

SYNCARB

Particular description of goods.—Refractory Crucibles and Their Parts.
Claims use since Aug. 30, 1923.

Ser. No. 187,395. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Oct. 23, 1923.

FORROL

Particular description of goods.—Lubricating Oils.
Claims use since Oct. 18, 1923.

Ser. No. 187,396. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Oct. 23, 1923.

VEEDOL FORROL

Particular description of goods.—Lubricating Oils.
Claims use since Oct. 18, 1923.

Ser. No. 187,409. (CLASS 2. RECEPTACLES.) JAMES R. ELLIS, Washington, D. C. Filed Oct. 24, 1923.

EVERHARD

Particular description of goods.—Shipping Containers for Ice Cream.
Claims use since Oct. 20, 1921.

Ser. No. 187,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo. Filed Oct. 25, 1923.

COBCUT

The mark consists of the letters forming the word "Cobcut," each of said letters being bordered by a gold margin.
Particular description of goods.—Canned Goods—Namely, Corn.
Claims use since Dec. 16, 1908.

Ser. No. 187,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VAN IDERSTINE COMPANY, Long Island City, N. Y. Filed Oct. 25, 1923.

VICO

Particular description of goods.—Poultry Feed, Digester Tankage, and Raw-Bone Meal.
Claims use since September, 1922.

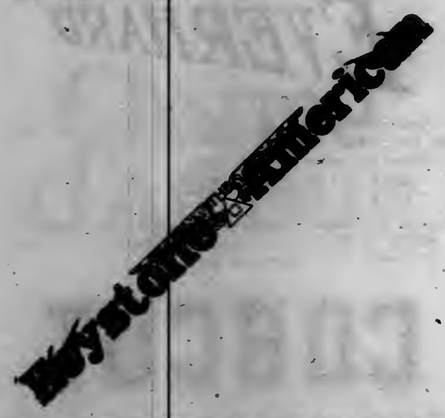
Ser. No. 187,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRIDGETTS & CO., New York, N. Y. Filed Oct. 26, 1923.



FOX RIVER BRAND

No claim to the word "Brand" apart from the mark.
Particular description of goods.—Sun-Dried and Salt-Cured Codfish.
Claims use since Oct. 1, 1923.

Ser. No. 187,522. (CLASS 38. PRINTS AND PUBLICATIONS.) KEYSTONE AMERICAN, INC., Pittsburgh, Pa. Filed Oct. 26, 1923.



Particular description of goods.—The Title of a Newspaper.
Claims use since Oct. 4, 1923.

Ser. No. 187,576. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 27, 1923.

Marvona

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 1, 1923.

Ser. No. 187,587. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NEV-A-HONE RAZOR STROP COMPANY, New York, N. Y. Filed Oct. 27, 1923.

"NEV-A-LOSE"

Particular description of goods.—Leather Key Purses, Leather Coin Purses, and Leather Wallets.
Claims use since May 1, 1923.

Ser. No. 187,638. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PROJECTION OPTICS CO. INC., Rochester, N. Y. Filed Oct. 29, 1923.

Super-Lite Lens

No claim is made to the word "Lens" apart from the mark as shown on the accompanying drawing.
Particular description of goods.—Projection Lenses.
Claims use since Oct. 13, 1922.

Ser. No. 187,663. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE L. D. CAULK COMPANY, Milford, Del. Filed Oct. 30, 1923.

"FREEPAS"

Particular description of goods.—Dental Instruments—viz, Pulp-Canal Explorers, Pulp-Canal Pluggers, Hatchet-Edge Picks, Apical Curettes, Barbed Broaches, Diagnostic Wires, Pulp Knives, and Depth Gauges.
Claims use since Sept. 29, 1923.

Ser. No. 187,700. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SUN-HERALD CORPORATION, New York, N. Y. Filed Oct. 30, 1923.

DOWN THE LINE

Particular description of goods.—Serial Sporting Column or Section.
Claims use since Jan. 6, 1923.

Ser. No. 187,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Oct. 30, 1923.

Preferred

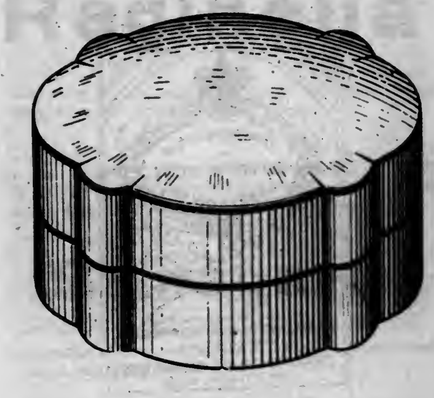
Particular description of goods.—Bread.
Claims use since Oct. 18, 1923.

Ser. No. 187,708. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GUSTAV L. BECKER, doing business as Becker Products Co., Ogden, Utah. Filed Oct. 31, 1923.



Drawing is lined to indicate color.
Particular description of goods.—Nonalcoholic (Containing Under One-Half of One Per Cent Alcohol), Cereal Beverages Known in the Trade as Beer, Stout, Ale, and Porter.
Claims use since Jan. 1, 1923.

Ser. No. 187,709. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. BOURJOIS & CO. INC., New York, N. Y. Filed Oct. 31, 1923.



Particular description of goods.—Face Powder.
Claims use since Oct. 22, 1894.

Ser. No. 187,737. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GENERAL LEATHER COMPANY, Newark, N. J. Filed Oct. 31, 1923.

BLUPAT

Particular description of goods.—Leather.
Claims use since Sept. 1, 1923.

Ser. No. 187,741. (CLASS 37. PAPER AND STATIONERY.) THE JOHNSTON-ALBERSHART CO., Cincinnati, Ohio. Filed Oct. 31, 1923.

WHITE HEATHER

Particular description of goods.—Bond Paper, White and Colors.
Claims use since 1916.

Ser. No. 187,754. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARION MELLEN, New York, N. Y. Filed Oct. 31, 1923.



CARGOES

Particular description of goods.—Tapestries, Brocades, Embroideries, Silks, and Cotton and Linen Prints in the Piece.
Claims use since Nov. 1, 1922.

Ser. No. 187,832. (CLASS 38. PRINTS AND PUBLICATIONS.) MILLER-MATTHEWS PUBLISHING COMPANY, Charleston, W. Va. Filed Nov. 1, 1923.

THE MINE ELECTRICIAN

Particular description of goods.—Monthly Magazine.
Claims use since Oct. 1, 1923.

Ser. No. 187,841. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN TRADE PUBLISHING CO., New York, N. Y. Filed Nov. 2, 1923.

Bakers Weekly

Particular description of goods.—Weekly Magazine.
Claims use since Nov. 1, 1907.

Ser. No. 187,886. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNGERER & COMPANY, INC., New York, N. Y. Filed Nov. 2, 1923.

ROSE D'OR

Particular description of goods.—Attar of Roses, Also Known as Oil of Roses.
Claims use since 1890.

Ser. No. 187,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Nov. 2, 1923.

REDLEAF



Drawing is lined to indicate the color red.
Particular description of goods.—Perfumes, Toilet Waters, and Face Powders.
Claims use since Aug. 31, 1923.

Ser. No. 187,904. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WECHSLER BARBER SILK COMPANY, INC., New York, N. Y. Filed Nov. 1, 1923.

SHERAZADE

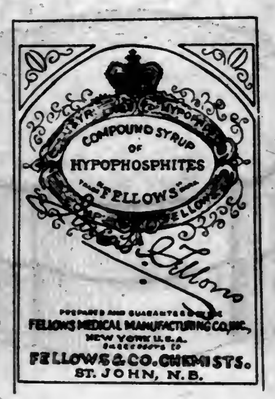
Particular description of goods.—Silk Piece Goods.
Claims use since on or about Sept. 15, 1923.

Ser. No. 187,910. (CLASS 38. PRINTS AND PUBLICATIONS.) PHILIP CASS, doing business as Philip Cass & Co., Philadelphia, Pa. Filed Nov. 3, 1923.

CASS' CASH BULLETIN

Particular description of goods.—Pamphlets Published at Irregular Intervals.
Claims use since Sept. 1, 1913.

Ser. No. 187,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 3, 1923. Under ten-year proviso.



Particular description of goods.—Preparation of Hypophosphites.
Claims use since about 1883.

Ser. No. 187,928. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Rivona

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,930. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Ternina

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,931. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Santina

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,935. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Reginella

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,937. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Srinagara

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,939. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Nov. 3, 1923.

Lady Billy

Particular description of goods.—Hair Nets.
Claims use since Oct. 19, 1923.

Ser. No. 187,940. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GOSHO CORPORATION, New York, N. Y. Filed Nov. 3, 1923.



Particular description of goods.—Raw Silk.
Claims use since November, 1921.

Ser. No. 187,941. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GOSHO CORPORATION, New York, N. Y. Filed Nov. 3, 1923.

CROWN



Particular description of goods.—Raw Silk.
Claims use since September, 1918.

Ser. No. 187,959. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H. H. REED, Reedsville, W. Va. Filed Nov. 3, 1923.

HHR

Particular description of goods.—Varnish.
Claims use since Apr. 10, 1922.

Ser. No. 188,029. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SANITARY TEXTILE CORPORATION, New York, N. Y. Filed Nov. 5, 1923.

S T C

ZELTEX

Particular description of goods.—Sanitary Napkins.
Claims use since June 1, 1923.

Ser. No. 188,043. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL AUTO ELECTRIC COMPANY, Newark, N. J. Filed Nov. 6, 1923.

STORAGE
PARAMOUNT
BATTERY

No claim is made to the words "Storage Battery" apart from the mark shown in the drawing.
Particular description of goods.—Electric Batteries.
Claims use since Oct. 10, 1923.

Ser. No. 188,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAIR H. BEEGLE, Tacoma, Wash. Filed Nov. 6, 1923.

2
BELLS
MOTHER'S
SALVE

No claim is made for the words "Mothers" and "Salve" except in connection with the mark as shown.
Particular description of goods.—Therapeutic Salve for Cuts, Wounds, Bruises, and Burns.
Claims use since Aug. 15, 1923.

Ser. No. 188,066. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SEATTLE TENT & AWNING CO., Seattle, Wash. Filed Nov. 6, 1923.

HURRICANE

Particular description of goods.—Tents, Hatch Covers, and Covering Sheets for Protecting Merchandise.
Claims use since about July 1, 1923.

Ser. No. 188,074. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WALTHAM WATCH & CLOCK COMPANY, Waltham, Mass. Filed Nov. 6, 1923.

Colonial

Particular description of goods.—Watches.
Claims use since 1903.

Ser. No. 188,080. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 6, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since July 13, 1916.

Ser. No. 188,082. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 6, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 15, 1916.

Ser. No. 188,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CHEMICAL & DRUG CO. INC., Olyphant, Pa. Filed Nov. 7, 1923.

Laxtoria

Particular description of goods.—Proprietary Laxative Remedy.
Claims use since June 20, 1918.

Ser. No. 188,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. F. W. DIEMER MEDICINE CO., Springfield, Mo. Filed Nov. 7, 1923.

STA WEL

Particular description of goods.—Vegetable Tablets for the Treatment of Biliousness, Indigestion, Torpid Liver, Constipation, and Dizziness.
Claims use since Jan. 25, 1916.

Ser. No. 188,103. (CLASS 5. ADHESIVES.) THE ARABOL M'F'G CO., New York, N. Y. Filed Nov. 8, 1923.



Particular description of goods.—Adhesives—Namely, Pastes, Mucilages, Glues, Adhesive Gums, Shoe Cement, Dextrin, Gum Arabic, Gum Tragacanth, Tapioca Flour, Potato Flour, Wheat Starch, Cornstarch, and Casein, Sizings—Namely, Rosin Sizing, Paper Sizing, Wall Sizing, and Textile Sizing.
Claims use since about Apr. 1, 1887.

Ser. No. 188,112. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) W. J. EARLY SONS FOUNDRY CORPORATION, Pittsburgh, Pa. Filed Nov. 8, 1923.

EARLYITE

Particular description of goods.—Iron Castings.
Claims use since Apr. 11, 1923.

Ser. No. 188,117. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. HOLLANDER & SON-ARNHOLD CORPORATION, Middletown, N. Y. Filed Nov. 8, 1923.



No registration rights being claimed for the word "Seal" apart from the mark shown in the drawing.
Particular description of goods.—Fur Skins.
Claims use since Feb. 4, 1923.

Ser. No. 188,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYMAN ZARBAUGH, doing business as All-in-One Company, Toledo, Ohio. Filed Nov. 8, 1923.

All-in-One

Particular description of goods.—Tooth-Powder Tablets.
Claims use since May, 1908.

Ser. No. 188,150. (CLASS 38. PRINTS AND PUBLICATIONS.) MICHAEL DE SANCTIS CARALT, New York, N. Y. Filed Nov. 9, 1923.

THE MISSION

Particular description of goods.—Monthly Publication.
Claims use since Sept. 1, 1923.

Ser. No. 188,153. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK C. KAYE, New York, N. Y. Filed Nov. 9, 1923.

The Black Fox

Particular description of goods.—Monthly Magazine.
Claims use since January, 1917.

Ser. No. 188,188. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE ELLICOTT MACHINE CORPORATION, Baltimore, Md. Filed Nov. 10, 1923.

DURANIUM

Particular description of goods.—Base-Metal Alloys, Particularly Alloyed Ferrous Metal Used in the Manufacture of Pumps and Other Industrial Machinery.
Claims use since Oct. 9, 1923.

Ser. No. 188,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Nov. 10, 1923.

CAVOS

Particular description of goods.—Concentrated Cavity Embalming Fluid.
Claims use since February, 1909.

Ser. No. 188,211. (CLASS 2. RECEPTACLES.) F. J. KRESS BOX COMPANY, Pittsburgh, Pa. Filed Nov. 10, 1923.



The word "Brand" is disclaimed apart from the mark shown.

Particular description of goods.—Wood Boxes and Corrugated-Paper Boxes.

Claims use since February, 1918.

Ser. No. 188,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Nov. 10, 1923.

Mah Jongg

Particular description of goods.—Perfume, Toilet Water, and Face Powder.

Claims use since Oct. 26, 1923.

Ser. No. 188,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH JUTRAS, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada. Filed Nov. 12, 1923.

Faites
moi
Rever

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Oct. 27, 1921.

Ser. No. 188,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH JUTRAS, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada. Filed Nov. 12, 1923.

Boule
de
Neige

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Oct. 27, 1921.

Ser. No. 188,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDRÉS MARTINEZ, New York, N. Y. Filed Nov. 12, 1923.

GLORIA
DE LA
MAÑANA

Particular description of goods.—Cream Rouges.

Claims use since Oct. 1, 1923.

Ser. No. 188,260. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YARDLEY & CO., LTD., New York, N. Y. Filed Nov. 12, 1923.

SUNTAN

Particular description of goods.—Face Powders.

Claims use since Oct. 27, 1923.

Ser. No. 188,269. (CLASS 38. PRINTS AND PUBLICATIONS.) ILLUSTRATED DAILY NEWS PUBLISHING CO., INC., Los Angeles, Calif. Filed Nov. 13, 1923.

DUDLEY DUDD

Particular description of goods.—Comic Newspaper Strip.

Claims use since Sept. 3, 1923.

Ser. No. 188,271. (CLASS 38. PRINTS AND PUBLICATIONS.) MEDICAL ECONOMICS PUBLISHING CO., New York, N. Y. Filed Nov. 13, 1923.

Medical
Economics

"Medical Economics".

Particular description of goods.—Monthly Magazine.

Claims use since Oct. 20, 1923.

Ser. No. 188,277. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SEWARD TRUNK AND BAG COMPANY, doing business as Autorobe Trunk Co., Petersburg, Va. Filed Nov. 13, 1923.

Autorobe

Particular description of goods.—Wardrobe Trunks.

Claims use since Oct. 24, 1923.

Ser. No. 188,282. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SUPERHEATER COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 13, 1923.

ELESCO

Particular description of goods.—Boiler Feed Pumps and Feed-Water Heaters.

Claims use since Jan. 1, 1923.

Ser. No. 188,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Nov. 14, 1923.

MAH-JONGG

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Rouge, Lip Sticks, Sachet, and Brilliantine.

Claims use since Nov. 6, 1923.

Ser. No. 188,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTATE OF CHAS. F. ADAMS, Lancaster, Pa. Filed Nov. 14, 1923.

RUBY

Particular description of goods.—Candy Cough Drops.

Claims use since Dec. 6, 1920.

Ser. No. 188,300. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOX RIVER FARM LABORATORIES, Dundee, Ill. Filed Nov. 14, 1923.

SALSCOUR

Particular description of goods.—Medicine to Relieve Diarrheal Conditions in Animals.

Claims use since Nov. 1, 1922.

Ser. No. 188,320. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MURPHY VARNISH COMPANY, Newark, N. J. Filed Nov. 14, 1923.

Kauriol

Particular description of goods.—Lacquers.

Claims use since about Sept. 1, 1923.

Ser. No. 188,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWBRO MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 14, 1923.



Particular description of goods.—Preparation for Gout, Sciatica, Lumbago, Neuralgia, and Rheumatic Affections.

Claims use since June 1, 1923.

Ser. No. 188,326. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REX CHEMICAL CO., INC., Salem, Va., and Washington, D. C. Filed Nov. 14, 1923.

PO-ME-KA

Particular description of goods.—Preparation Used in the Treatment of Colds, Pneumonia, Influenza, Croup, Sore Throat, Asthma, Catarrh, Hay Fever, Bites and Stings of Insects, Cuts, and Wounds After Shaving and the Like.
Claims use since Sept. 24, 1923.

Ser. No. 188,371. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. F. JELENKO & CO., New York, N. Y. Filed Nov. 15, 1923.

Skel-Cast

Particular description of goods.—Dental Golds.
Claims use since December, 1921.

Ser. No. 188,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Medicinal Oils for the Treatment of Constipation, Laundry Wax, Petrolatum, Disinfectants, and Dyes.
Claims use since Sept. 20, 1923.

Ser. No. 188,384. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Varnishes, Linseed Oil, Turpentine, and Polishing Oil for Varnished, Painted, and Lacquered Surfaces.
Claims use since Aug. 1, 1923.

Ser. No. 188,406. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Nov. 16, 1923.

Prestone

Particular description of goods.—Liquid Compounds for the Prevention of Freezing and Boiling of Water in Radiators in Connection with Internal-Combustion Engines.
Claims use since Nov. 5, 1923.

Ser. No. 188,473. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EAGLE PAINT & VARNISH WORKS, INC., Brooklyn, N. Y. Filed Nov. 17, 1923.

FROST-LIKE PRODUCTS

Exclusive use of the word "Products" is disclaimed excepting in conjunction with the mark as shown.
Particular description of goods.—Paint Pigments Known as Paint Paste.
Claims use since Dec. 21, 1922.

Ser. No. 188,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. N. GADDY, Cramerton, N. C. Filed Nov. 17, 1923.



Particular description of goods.—Preparation for Indigestion, Piles, Bright's Disease, Neuritis, Catarrh, Ulcer of Stomach, Bowel Trouble, Toothache, Colic, and Hiccoughs.
Claims use since on or about Aug. 1, 1923.

Ser. No. 188,489. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOVIS WATCH CO., New York, N. Y. Filed Nov. 17, 1923.

AXA

Particular description of goods.—Watches.
Claims use since July 1, 1923.

Ser. No. 188,611. (CLASS 38. PRINTS AND PUBLICATIONS.) PLAYGROUND AND RECREATION ASSOCIATION OF AMERICA, New York, N. Y. Filed Nov. 20, 1923.

The Playground

Particular description of goods.—Monthly Magazine.
Claims use since 1907.

Ser. No. 188,631. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JANSEN & PRETZFELD, INC., New York, N. Y. Filed Nov. 21, 1923.

JANPRÉ

Particular description of goods.—Silks in the Piece.
Claims use since Nov. 14, 1923.

Ser. No. 188,792. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

ALTHEA

Particular description of goods.—Fishing Line.
Claims use since Jan. 10, 1916.

Ser. No. 188,794. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

BIZ

Particular description of goods.—Artificial Minnows.
Claims use since Oct. 12, 1910.

Ser. No. 188,812. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"LAQUEEN"

Particular description of goods.—Fishing Line.
Claims use since Mar. 10, 1916.

Ser. No. 188,988. (CLASS 15. OILS AND GREASES.) CRESCENT OIL COMPANY, Indianapolis, Ind. Filed Nov. 28, 1923.

COOLEDGE

Particular description of goods.—Cutting-Tool-Lubricating Oil, Commonly Known as Cutting Oil.
Claims use since on or about Oct. 13, 1923.

Ser. No. 188,995. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) S. W. EVANS & SON, Philadelphia, Pa. Filed Nov. 28, 1923.

TRIDENT

Particular description of goods.—Umbrella and Parasol Ribs.
Claims use since about Nov. 1, 1923.

Ser. No. 189,063. (CLASS 15. OILS AND GREASES.) THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Filed Nov. 30, 1923.

Particular description of goods.—Gasoline, Lubricating, Fuel, and Illuminating Oils, and Lubricating Compounds.
Claims use since Mar. 22, 1923.

Ser. No. 189,075. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. SCHRACK & CO., Philadelphia, Pa. Filed Nov. 30, 1923. Under ten-year proviso.

The Oldest Varnish Makers in America

Particular description of goods.—Varnishes.
Claims use since on or about 1830.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JANUARY 8, 1924.

178,053. WRAPPING PAPER, TOILET PAPER, AND WAX PAPER. TAVERNIER & PRICER, Los Angeles, Calif.
Filed August 29, 1923. Serial No. 185,163. PUBLISHED OCTOBER 16, 1923.

178,054. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y.
Filed August 30, 1923. Serial No. 185,179. PUBLISHED OCTOBER 16, 1923.

178,055. CERTAIN WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS. CHENEY BROTHERS, South Manchester, Conn.
Filed August 31, 1923. Serial No. 185,202. PUBLISHED OCTOBER 16, 1923.

178,056. CANDY, CONFECTIONS, AND CANDY-COATED FRUITS. C. R. PEARCE COMPANY, Pittsburgh, Pa., assignor to The C. R. Pearce Company, Pittsburgh, Pa., a Corporation of Delaware.
Filed August 31, 1922. Serial No. 168,938. PUBLISHED JANUARY 30, 1923.

178,057. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,115. PUBLISHED OCTOBER 16, 1923.

178,058. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,116. PUBLISHED OCTOBER 16, 1923.

178,059. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,117. PUBLISHED OCTOBER 16, 1923.

178,060. COTTON AND SILK CRÊPES IN THE PIECE. A. SCHOTTLAND INC., Paterson, N. J.
Filed August 21, 1923. Serial No. 184,799. PUBLISHED OCTOBER 16, 1923.

178,061. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,112. PUBLISHED OCTOBER 16, 1923.

178,062. TEXTILE RUGS. A. & M. KARAGHEUSIAN, INC., New York, N. Y.
Filed August 28, 1923. Serial No. 184,912. PUBLISHED OCTOBER 16, 1923.

178,063. COTTON AND SILK CRÊPES IN THE PIECE. A. SCHOTTLAND INC., Paterson, N. J.
Filed August 21, 1923. Serial No. 184,800. PUBLISHED OCTOBER 16, 1923.

178,064. WRAPPING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed August 18, 1923. Serial No. 184,654. PUBLISHED OCTOBER 16, 1923.

178,065. WRITING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed August 18, 1923. Serial No. 184,655. PUBLISHED OCTOBER 16, 1923.

178,066. CHECKS. EDWIN S. BENDER, doing business as The Credo Check Company, Orange Cove, Calif.
Filed August 20, 1923. Serial No. 184,707. PUBLISHED OCTOBER 16, 1923.

178,067. SHIPPING TAGS. HAYWOOD PUBLISHING COMPANY, La Fayette, Ind.
Filed August 14, 1923. Serial No. 184,448. PUBLISHED OCTOBER 16, 1923.

178,068. MERCERIZED COTTON BATISTE. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 17, 1923. Serial No. 184,595. PUBLISHED OCTOBER 16, 1923.

178,069. COTTON FABRICS—VIZ, COTTON CLOTHS IN THE PIECE OR BOLT. DENZER & NATHAN, INC., New York, N. Y.
Filed August 14, 1923. Serial No. 184,438. PUBLISHED OCTOBER 16, 1923.

178,070. COTTON FABRICS—VIZ, COTTON VOILE IN THE PIECE OR BOLT. DENZER & NATHAN, INC., New York, N. Y.
Filed August 14, 1923. Serial No. 184,437. PUBLISHED OCTOBER 16, 1923.

178,071. PAPERBOARD FOR BOXING AND WRAPPING PURPOSES. FEDERAL PAPER BOARD COMPANY, INC., Bogota, N. J.
Filed August 14, 1923. Serial No. 184,443. PUBLISHED OCTOBER 16, 1923.

178,072. SILK FABRICS. THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass.
Filed August 13, 1923. Serial No. 184,388. PUBLISHED OCTOBER 16, 1923.

178,073. SILK FABRICS. THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass.
Filed August 13, 1923. Serial No. 184,391. PUBLISHED OCTOBER 16, 1923.

178,074. LIQUID PUMPS, PUMPING SYSTEMS, AND PARTS OF SAID PUMPS AND PUMPING SYSTEMS. WESTERN PUMP COMPANY, Davenport, Iowa.
Filed January 11, 1922. Serial No. 157,788. PUBLISHED OCTOBER 16, 1923.

178,075. MECHANICS' SUITS. CLOTH SHIRTS AND TROUSERS. GUITERMAN BROTHERS, St. Paul, Minn.
Filed October 11, 1920. Serial No. 138,166. PUBLISHED OCTOBER 31, 1922.

178,076. DENIMS IN THE PIECE. THE ERWIN COTTON MILLS CO., West Durham, N. C.
Filed September 22, 1920. Serial No. 137,451. PUBLISHED OCTOBER 16, 1923.

178,077. INSTRUMENTS FOR INDICATING THE TEMPERATURE OF INTERNAL-COMBUSTION ENGINES AND OTHER MECHANISMS SUBJECT TO HEAT. STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,187. PUBLISHED OCTOBER 16, 1923.

178,078. CERTAIN ORE-MILL AND CONCENTRATING-TABLE PARTS. THE MINE AND SMELTER SUPPLY COMPANY, Denver, Colo.
Filed February 2, 1922. Serial No. 158,790. PUBLISHED OCTOBER 16, 1923.

178,079. COTTON PIECE GOODS. M. H. ROSENBERG & Co., New York, N. Y.
Filed December 1, 1922. Serial No. 172,806. PUBLISHED OCTOBER 16, 1923.

178,080. MACHINES FOR PRINTING, ISSUING, AND AUDITING TICKETS. FRED A. PURDY, New York, N. Y.
Filed August 7, 1922. Serial No. 167,896. PUBLISHED OCTOBER 16, 1923.

178,081. VEHICLE JACKS. DEXTRA MANUFACTURING CO., Detroit, Mich.
Filed June 21, 1922. Serial No. 165,787. PUBLISHED OCTOBER 16, 1923.

178,082. KNIVES, RAZORS, AND SHEARS. UNION CUTLERY CO., INC., Olean, N. Y.
Filed April 18, 1923. Serial No. 179,341. PUBLISHED OCTOBER 16, 1923.

178,083. CRETONNES OR PRINTED FABRICS, BEING COTTON PIECE GOODS. ARTHUR SANDERSON & SONS LIMITED, London, England.
Filed June 6, 1923. Serial No. 181,617. PUBLISHED OCTOBER 16, 1923.

178,084. COW, HORSE, MULE, AND HEN FEED. PERCY W. OWEN, doing business as Southern Feed Co., Birmingham, Ala.
Filed May 11, 1923. Serial No. 180,489. PUBLISHED OCTOBER 23, 1923.

178,085. OPHTHALMIC LENSES, EYEGLASSES, AND SPECTACLES. CHARLES A. MEIGS, Fort Wayne, Ind.
Filed July 11, 1923. Serial No. 183,076. PUBLISHED OCTOBER 16, 1923.

178,086. GINGHAMS IN THE PIECE. SAMUEL L. HOFFMAN, doing business as S. L. Hoffman & Co., New York, N. Y.
Filed June 23, 1923. Serial No. 182,377. PUBLISHED OCTOBER 16, 1923.

178,087. PAPER FOR MECHANICAL DRAWINGS. THE STEVENS PAPER MILLS, INC., Windsor, Conn.
Filed July 6, 1923. Serial No. 182,893. PUBLISHED OCTOBER 16, 1923.

178,088. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,355. PUBLISHED OCTOBER 16, 1923.

178,089. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed August 11, 1923. Serial No. 184,367. PUBLISHED OCTOBER 16, 1923.

178,090. PENCILS. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed August 4, 1923. Serial No. 184,070. PUBLISHED OCTOBER 16, 1923.

178,091. PLUSHES IN THE PIECE. THE HIND & HARRISON PLUSH CO., Clark Mills and New York, N. Y.
Filed July 14, 1923. Serial No. 183,211. PUBLISHED OCTOBER 16, 1923.

178,092. SILK THREAD. NOAH CHERTOFF, New York, N. Y.
Filed August 9, 1923. Serial No. 184,234. PUBLISHED OCTOBER 16, 1923.

178,093. CIGARETTES, CIGARS, AND SMOKING TOBACCO. GENERAL TOBACCO COMPANY, Louisville, Ky., and Chicago, Ill.
Filed August 11, 1923. Serial No. 184,335. PUBLISHED OCTOBER 30, 1923.

178,094. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,352. PUBLISHED OCTOBER 16, 1923.

178,095. CIGARETTES, CIGARS, AND SMOKING TOBACCO. GENERAL TOBACCO COMPANY, Louisville, Ky., and Chicago, Ill.
Filed August 11, 1923. Serial No. 184,332. PUBLISHED OCTOBER 30, 1923.

178,096. CIGARETTES, CIGARS, AND SMOKING TOBACCO. GENERAL TOBACCO COMPANY, Louisville, Ky., and Chicago, Ill.
Filed August 11, 1923. Serial No. 184,333. PUBLISHED OCTOBER 30, 1923.

178,097. BOXES FOR MUSIC-NOTE-ROLL RIBBONS AND MUSIC-NOTE SHEETS. PHILIPPS AKTIEN-GESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 12, 1921. Serial No. 150,287. PUBLISHED OCTOBER 23, 1923.

178,098. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,831. PUBLISHED OCTOBER 23, 1923.

178,099. GASOLINE. THE PURE OIL CO., Columbus, Ohio.
Filed May 17, 1922. Serial No. 164,003. PUBLISHED OCTOBER 23, 1923.

178,100. WHEAT FLOUR. THE ATTICA MILLS, Attica, Kans.
Filed December 1, 1921. Serial No. 156,133. PUBLISHED JULY 31, 1923.

178,101. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,833. PUBLISHED OCTOBER 23, 1923.

178,102. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 21, 1922. Serial No. 165,832. PUBLISHED OCTOBER 23, 1923.

178,103. MEDICAL VAPORIZING DEVICE. PIERRE BILLARD, Paris, France.
Filed July 31, 1922. Serial No. 167,594. PUBLISHED OCTOBER 23, 1923.

178,104. LUBRICANT FOR MACHINERY. BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo.
Filed July 28, 1922. Serial No. 167,512. PUBLISHED OCTOBER 23, 1923.

178,105. POLISH FOR AUTOMOBILES, FURNITURE, AND INCIDENTALLY FOR TILE AND PORCELAIN. RED CHIEF POLISH MANUFACTURING COMPANY, New Orleans, La.
Filed June 29, 1922. Serial No. 166,264. PUBLISHED OCTOBER 23, 1923.

178,106. FURNITURE AND AUTOMOBILE POLISH. ALFONSO JOSEPH PESCI, Chicago, Ill.
Filed September 21, 1922. Serial No. 169,776. PUBLISHED OCTOBER 23, 1923.

178,107. COMPOUND TO BE USED IN PLACE OF RED-LEAD PUTTY COMPOSED CHIEFLY OF CHINA-WOOD OIL AND MINERAL COLORINGS. GOLD MEDAL WATER-PROOFING CO., Oakland, Calif., assignor to Waterproofed Products Company, Oakland, Calif., a Corporation of California.
Filed August 30, 1922. Serial No. 168,882. PUBLISHED OCTOBER 23, 1923.

178,108. PAINTS AND INGREDIENTS THEREOF. THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa.
Filed August 17, 1922. Serial No. 168,349. PUBLISHED OCTOBER 23, 1923.

178,109. KEROSENE. ASSOCIATED OIL COMPANY, San Francisco, Calif.
Filed March 7, 1923. Serial No. 177,064. PUBLISHED OCTOBER 23, 1923.

178,110. BREAD. AMERICAN BAKERY COMPANY, St. Louis, Mo.
Filed January 27, 1923. Serial No. 175,179. PUBLISHED SEPTEMBER 11, 1923.

178,111. ABSORBENT COTTON. FRANK B. GRAVES CO., Albany, N. Y.
Filed April 19, 1923. Serial No. 179,367. PUBLISHED OCTOBER 23, 1923.

178,112. VARNISH. JOHN C. DOLPH COMPANY, Newark, N. J.
Filed April 7, 1923. Serial No. 178,716. PUBLISHED OCTOBER 23, 1923.

178,113. SHIMS AND SHIM STOCK. LAMINATED SHIM COMPANY, INC., Long Island City, N. Y.
Filed April 5, 1923. Serial No. 178,617. PUBLISHED OCTOBER 16, 1923.

178,114. SEWING-MACHINE NEEDLES AND MACHINE KNITTING NEEDLES. C. B. BARKER & Co. LTD., New York, N. Y.
Filed March 24, 1923. Serial No. 177,949. PUBLISHED OCTOBER 16, 1923.

178,115. ANIMAL, FISH, AND VEGETABLE OIL FOR INDUSTRIAL PURPOSES. COOK & SWAN COMPANY, INC., New York, N. Y.
Filed April 25, 1923. Serial No. 179,658. PUBLISHED OCTOBER 23, 1923.

178,116. FOOT-ARCH SUPPORTS. FREDERICK PFEIFFER, St. Louis, Mo.
Filed April 27, 1923. Serial No. 179,819. PUBLISHED OCTOBER 23, 1923.

178,117. MEN'S CAPS, SWEATERS, SHOES OF LEATHER OR COMBINATIONS OF RUBBER AND LEATHER, NEGLIGEE SHIRTS, AND HOSIERY. FRANKEL BROS., New York, N. Y.
Filed June 14, 1923. Serial No. 181,984. PUBLISHED OCTOBER 23, 1923.

178,118. SULPHUR. SAN JOAQUIN GROCERY CO., Fresno, Calif.
Filed June 20, 1923. Serial No. 182,267. PUBLISHED OCTOBER 23, 1923.

178,119. SOFT DRINKS. SAN JOAQUIN GROCERY CO., Fresno, Calif.
Filed June 20, 1923. Serial No. 182,268. PUBLISHED OCTOBER 30, 1923.

178,120. PHLORIDZIN PREPARATION FOR DIAGNOSTIC PURPOSES. SCHERING & GLATZ, INC., New York, N. Y.
Filed June 20, 1923. Serial No. 182,270. PUBLISHED OCTOBER 23, 1923.

178,121. HOSIERY, UNDERWEAR, SWEATERS, AND SKIRTS. MILLER BROTHERS COMPANY, Chattanooga, Tenn.
Filed June 27, 1922. Serial No. 166,145. PUBLISHED FEBRUARY 6, 1923.

178,122. SOFT DRINKS AND SIRUPS. GRANITE STATE SPRING WATER CO., Atkinson Depot, N. H.
Filed June 21, 1923. Serial No. 182,302. PUBLISHED OCTOBER 30, 1923.

178,123. CIGARS. JUDGE & NAGLE, Philadelphia, Pa.
Filed June 21, 1923. Serial No. 182,311. PUBLISHED OCTOBER 23, 1923.

178,124. SALT. REMINGTON SALT COMPANY, Ithaca, N. Y.
Filed June 21, 1923. Serial No. 182,317. PUBLISHED OCTOBER 16, 1923.

178,125. WHITING FOR USE IN PAINT, LINOLEUM, AND RUBBER TRADES. GRANGERS MANUFACTURING CO., Boston, Mass.
Filed June 20, 1923. Serial No. 182,242. PUBLISHED OCTOBER 30, 1923.

178,126. WHITING FOR INDUSTRIAL PURPOSES, INCLUDING USE IN PAINT, LINOLEUM, AND RUBBER TRADES. GRANGERS MANUFACTURING CO., Boston, Mass.
Filed June 20, 1923. Serial No. 182,243. PUBLISHED OCTOBER 30, 1923.

178,127. MEDICINAL PREPARATION. LOUVON LABORATORY, Brooklyn, N. Y.
Filed June 20, 1923. Serial No. 182,250. PUBLISHED OCTOBER 23, 1923.

178,128. ORNAMENTAL FABRICS OF VULCANIZED SHEET GUM RUBBER OF THE KIND EMPLOYED IN THE MANUFACTURE OF CLOTHING, HATS, CURTAINS, AND DRAPERIES. BRANDON MILLS INC., New York, N. Y.
Filed June 19, 1923. Serial No. 182,200. PUBLISHED OCTOBER 30, 1923.

178,129. A DANDRUFF REMEDY AND HAIR DRESSING. JOSEPH SETARO, Millbrook, N. Y.
Filed June 19, 1923. Serial No. 182,225. PUBLISHED OCTOBER 16, 1923.

178,130. PREPARATION FOR USE IN TREATING DIPHTHERIA, TONSILLITIS, ETC. LEE FRASHER, East Lynn, W. Va.
Filed June 20, 1923. Serial No. 182,241. PUBLISHED OCTOBER 23, 1923.

178,131. AN EMULSION OF PURE OLIVE OIL AND RAISIN JUICE. THE PICKANINNY COMPANY, Baltimore, Md.
Filed June 19, 1923. Serial No. 182,223. PUBLISHED OCTOBER 16, 1923.

178,132. TOYS. ELEANOR P. VANCE and CHARLOTTE L. YALE, doing business as Tryon Toy-Makers, Tryon, N. C.
Filed June 15, 1923. Serial No. 182,080. PUBLISHED OCTOBER 23, 1923.

178,133. ALUMINUM COOKING AND HOUSEHOLD UTENSILS. THE CLUB ALUMINUM COMPANY, Cleveland, Ohio.
Filed June 16, 1923. Serial No. 182,087. PUBLISHED OCTOBER 16, 1923.

178,134. BOTTLE FILLING AND CAPPING MACHINES AND DAIRY MACHINERY—AND PARTS AND FITTINGS FOR SAME. THE H. H. MILLER INDUSTRIES COMPANY, Canton, Ohio.
Filed June 18, 1923. Serial No. 182,168. PUBLISHED OCTOBER 30, 1923.

178,135. GAS AND COAL STOVES, RANGES, AND FURNACES. ABRAM COX STOVE COMPANY, Philadelphia, Pa.
Filed June 9, 1923. Serial No. 181,733. PUBLISHED OCTOBER 23, 1923.

178,136. BAKERY AND CONFECTIONERY PRODUCTS—NAMELY, COOKIES, CAKES, CRACKERS, AND CANDIES. JACKSONVILLE CRACKER WORKS, Jacksonville, Fla.
Filed June 9, 1923. Serial No. 181,751. PUBLISHED OCTOBER 16, 1923.

178,137. VAPORIZER FOR INTERNAL-COMBUSTION MOTORS. JOHN B. FERRY, San Francisco, Calif.
Filed June 11, 1923. Serial No. 181,826. PUBLISHED OCTOBER 30, 1923.

178,138. WATER COLORS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed August 15, 1923. Serial No. 184,488. PUBLISHED OCTOBER 23, 1923.

178,139. LINGUAL BARS. I. STERN & Co., New York, N. Y.
Filed September 6, 1923. Serial No. 185,387. PUBLISHED OCTOBER 23, 1923.

178,140. CORDS, TWINES, ROPES, AND LINES OF FIBER MATERIAL MADE FROM COTTON, HEMP, MANILA, SISAL, OR JUTE, SAID LINES BEING OF THE NATURE OF CLOTHESLINES. HIGHLAND CORDAGE COMPANY, Highland and Hickory, N. C.
Filed September 10, 1923. Serial No. 185,583. PUBLISHED OCTOBER 23, 1923.

178,141. SILK FABRICS. THE CORTICELLI SILK CO., Florence, Northampton, Mass.
Filed August 13, 1923. Serial No. 184,389. PUBLISHED OCTOBER 16, 1923.

178,142. GASOLINE, LUBRICATING OILS, AND GREASES. C. C. JULIAN, Los Angeles, Calif.
Filed August 13, 1923. Serial No. 184,403. PUBLISHED OCTOBER 23, 1923.

178,143. GASOLINE, LUBRICATING OILS, AND GREASES. C. C. JULIAN, Los Angeles, Calif.
Filed August 13, 1923. Serial No. 184,404. PUBLISHED OCTOBER 23, 1923.

178,144. BELT FOR PREVENTION OF NAUSEA. NEPTUNE PRODUCTS COMPANY, New York, N. Y.
Filed September 1, 1923. Serial No. 185,257. PUBLISHED OCTOBER 23, 1923.

178,145. CIGARS. MILBY W. LLOYD, doing business as Lloyd Tobacco Company, Ocala, Fla.
Filed September 4, 1923. Serial No. 185,302. PUBLISHED OCTOBER 23, 1923.

178,146. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,360. PUBLISHED OCTOBER 16, 1923.

178,147. WIRE ROPE. JOHN A. ROEBLING'S SONS CO., Trenton, N. J.
Filed September 6, 1923. Serial No. 185,380. PUBLISHED OCTOBER 23, 1923.

178,148. WAX POLISHES (LIQUID, PASTE, AND SOLID.) CANTOL WAX COMPANY, Bloomington, Ind.
Filed August 15, 1923. Serial No. 184,493. PUBLISHED OCTOBER 23, 1923.

178,149. PAINTS AND ANTICORROSIVE SOLUTIONS FOR PRESERVING IRON, STEEL, AND OTHER METALS. THE S. A. DAY MANUFACTURING COMPANY, Buffalo, N. Y.
Filed August 17, 1923. Serial No. 184,601. PUBLISHED OCTOBER 23, 1923.

178,150. HYPODERMIC NEEDLES. ALBERT BANDMAN, doing business as Metsan Dental Mfg. Co., New York, N. Y.
Filed August 23, 1923. Serial No. 184,890. PUBLISHED OCTOBER 23, 1923.

178,151. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,113. PUBLISHED OCTOBER 16, 1923.

178,152. DENTAL GOLDS, SOLDERS, PLATES, DISKS, BACKINGS, SHELLS, INLAYS, CLASPS, AND WIRE. J. F. JELENKO & Co., New York, N. Y.
Filed September 10, 1923. Serial No. 185,593. PUBLISHED OCTOBER 23, 1923.

178,153. BELT DRESSING, COMPOSITE NEAT'S-FOOT OIL, PURE NEAT'S-FOOT OIL, AND RAZOR STROPS. BAKER, HAMILTON & PACIFIC COMPANY, San Francisco, Calif.
Filed August 25, 1923. Serial No. 184,955. PUBLISHED OCTOBER 16, 1923.

178,154. CANDY. ROGERS CANDY COMPANY, Meridian, Miss.
Filed June 29, 1923. Serial No. 182,613. PUBLISHED OCTOBER 16, 1923.

178,155. LIQUID SOAP. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed August 20, 1923. Serial No. 184,733. PUBLISHED OCTOBER 16, 1923.

178,156. SHOE AND LEATHER PRESERVATIVE AND DRESSING. PORTAGE SHOE MFG. COMPANY, Portage, Wis.
Filed August 10, 1923. Serial No. 184,294. PUBLISHED OCTOBER 16, 1923.

178,157. LIQUID SOAP. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed August 20, 1923. Serial No. 184,732. PUBLISHED OCTOBER 16, 1923.

178,158. PETROLEUM PRODUCT USED FOR CLEANSING PURPOSES (A CLEANING FLUID). SNOWOLENE HOLDING COMPANY, Los Angeles, Calif.
Filed August 18, 1923. Serial No. 184,688. PUBLISHED OCTOBER 16, 1923.

178,159. SOAP. JOHN A. MCDERMOTT, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,309. PUBLISHED OCTOBER 16, 1923.

178,160. TENTS. H. WENZEL TENT AND DUCK CO., St. Louis, Mo.
Filed July 20, 1923. Serial No. 183,513. PUBLISHED OCTOBER 30, 1923.

178,161. COAL. BERWIND FUEL COMPANY, Minneapolis, Minn.
Filed July 24, 1923. Serial No. 183,622. PUBLISHED OCTOBER 30, 1923.

178,162. ROCK USED IN THE MANUFACTURE OF ARTIFICIAL STONE. BAILEY F. WILLIAMSON, Gainesville, Fla.
Filed July 26, 1923. Serial No. 183,727. PUBLISHED OCTOBER 30, 1923.

178,163. DRY CLEANER. JOHN A. FORD, Chicago, Ill.
Filed July 28, 1923. Serial No. 183,795. PUBLISHED OCTOBER 16, 1923.

178,164. PUMICE STONE. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed July 6, 1923. Serial No. 182,858. PUBLISHED OCTOBER 16, 1923.

178,165. SHOE POLISH AND DRESSING. F. F. DALLEY COMPANY, INC., Buffalo, N. Y.
Filed July 13, 1923. Serial No. 183,140. PUBLISHED OCTOBER 16, 1923.

178,166. SHOE POLISH AND DRESSING. F. F. DALLEY COMPANY, INC., Buffalo, N. Y.
Filed July 14, 1923. Serial No. 183,200. PUBLISHED OCTOBER 16, 1923.

178,167. SOAP. J. EAVENSON & SONS INCORPORATED, Philadelphia, Pa., and Camden, N. J.
Filed July 16, 1923. Serial No. 183,263. PUBLISHED OCTOBER 16, 1923.

178,168. HARD-WATER SOAP. FURST-MCNESS COMPANY, Freeport, Ill.
Filed July 16, 1923. Serial No. 183,266. PUBLISHED OCTOBER 16, 1923.

178,169. PREPARATION ADAPTED TO BE APPLIED TO BRAKE BANDS, BRAKE DRUMS, ETC. RENOVATOL COMPANY, Philadelphia, Pa.
Filed June 30, 1923. Serial No. 182,673. PUBLISHED OCTOBER 16, 1923.

178,170. SOAP. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed July 6, 1923. Serial No. 182,855. PUBLISHED OCTOBER 16, 1923.

178,171. PUMICE STONE. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed July 6, 1923. Serial No. 182,856. PUBLISHED OCTOBER 16, 1923.

178,172. PUMICE STONE. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed July 6, 1923. Serial No. 182,857. PUBLISHED OCTOBER 16, 1923.

178,173. MASSAGE APPLIANCE. JOHN OLOF LINDEN, Albuquerque, N. Mex.
Filed August 9, 1923. Serial No. 184,251. PUBLISHED OCTOBER 23, 1923.

178,174. LUBRICATING MOTOR OIL. THE KENTUCKY INDEPENDENT OIL COMPANY, Covington, Ky.
Filed August 10, 1923. Serial No. 184,285. PUBLISHED OCTOBER 23, 1923.

178,175. CYLINDER OIL. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed August 10, 1923. Serial No. 184,300. PUBLISHED OCTOBER 23, 1923.

178,176. READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND STAINS. GUY A. COMBS, doing business as Standard Paint Manufacturing Co., Minneapolis, Minn.
Filed July 23, 1923. Serial No. 183,554. PUBLISHED OCTOBER 23, 1923.

178,177. SMOKING AND CHEWING TOBACCO. J. G. FLYNT TOBACCO CO., Winston-Salem, N. C.
Filed July 23, 1923. Serial No. 183,563. PUBLISHED OCTOBER 23, 1923.

178,178. CASTINGS OF NONFERROUS METALS. MUELLER METALS COMPANY, Port Huron, Mich.
Filed July 25, 1923. Serial No. 183,662. PUBLISHED OCTOBER 16, 1923.

178,179. DRIVE CHAINS. HOWE CHAIN COMPANY, Muskegon, Mich.
Filed July 30, 1923. Serial No. 183,834. PUBLISHED OCTOBER 16, 1923.

178,180. METAL PAINT, METAL LACQUER, METAL POWDER, AND METAL CASTING COMPOSITION. METALON PRODUCTS CORPORATION, New York, N. Y.
Filed August 4, 1923. Serial No. 184,088. PUBLISHED OCTOBER 23, 1923.

178,181. METAL FASTENERS FOR SECURING THE COVERS ON PACKING AND OTHER BASKETS USED IN PACKING FRUITS AND VEGETABLES. WALTER E. MORGAN, doing business as Hold-Pack Mfg. Co., Dayton, Tenn.
Filed July 16, 1923. Serial No. 183,310. PUBLISHED OCTOBER 16, 1923.

178,182. WELDING METAL. THE JAMES H. HERRON COMPANY, Cleveland, Ohio.
Filed July 19, 1923. Serial No. 183,449. PUBLISHED OCTOBER 16, 1923.

178,183. WELDING METAL. THE JAMES H. HERRON COMPANY, Cleveland, Ohio.
Filed July 19, 1923. Serial No. 183,450. PUBLISHED OCTOBER 16, 1923.

178,184. RECEPTACLES COMPRISING PIN TRAYS, PUFF BOXES, POWDER BOXES, VANITY BOXES, SALVE BOXES, HATPIN HOLDERS, TOOTHBRUSH HOLDERS, AND CLOCK HOLDERS. J. C. DOWD & CO. INC., New York, N. Y.
Filed July 20, 1923. Serial No. 183,469. PUBLISHED OCTOBER 23, 1923.

178,185. PETROLEUM OIL AND SLAB OILS, VEGETABLE AND MINERAL. NORTHWESTERN BAKERS & CONFECTIONERS CO., Minneapolis, Minn.
Filed June 11, 1923. Serial No. 181,857. PUBLISHED OCTOBER 23, 1923.

178,186. LIQUID FLOOR FINISHING AND MAINTENANCE PREPARATIONS. SCOFIELD, EVANS AND COMPANY, Chicago, Ill.
Filed June 12, 1923. Serial No. 181,914. PUBLISHED OCTOBER 23, 1923.

178,187. CARBON BLACK. STANDARD CARBON COMPANY, Monroe, La.
Filed June 12, 1923. Serial No. 181,917. PUBLISHED OCTOBER 23, 1923.

178,188. SCREENS FOR GRANULAR MATERIALS. R. H. BEAUMONT COMPANY, Philadelphia, Pa.
Filed June 13, 1923. Serial No. 181,929. PUBLISHED OCTOBER 16, 1923.

178,189. MALT SIRUP FOR BEVERAGES. JOHN D. CHILDS, doing business as Blue Ribbon Products Co., Reading Pa.
Filed May 10, 1923. Serial No. 180,419. PUBLISHED OCTOBER 23, 1923.

178,190. POPPET VALVES. FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill.
Filed June 4, 1923. Serial No. 181,522. PUBLISHED OCTOBER 16, 1923.

178,191. FARMING IMPLEMENTS. EVANS AND BARNHILL, INC., San Francisco, Calif.
Filed June 25, 1923. Serial No. 182,407. PUBLISHED OCTOBER 16, 1923.

178,192. BRASS PIPE. THE CHASE COMPANIES, INC., Waterbury, Conn.
Filed July 16, 1923. Serial No. 183,250. PUBLISHED OCTOBER 16, 1923.

178,193. ICE-CREAM CONES. CONE COMPANY OF AMERICA, Long Island City, N. Y.
Filed February 3, 1922. Serial No. 158,819. PUBLISHED AUGUST 14, 1923.

178,194. LUBRICATING OILS AND GREASES. A. W. HARRIS OIL COMPANY, Providence, R. I.
Filed January 18, 1922. Serial No. 158,084. PUBLISHED OCTOBER 30, 1923.

178,195. CANDY, ICE CREAM, NUT MEATS, AND SHELLED NUTS, SALTED, CANDIED, AND IN THEIR NATURAL STATE. MARGARET A. BOTTOMLEY, Fall River, Mass.
Filed March 1, 1922. Serial No. 159,995. PUBLISHED OCTOBER 16, 1923.

178,196. A COMPOSITION FOR COATING ROOFS, CONSISTING PRINCIPALLY OF ASPHALT AND ASBESTOS FIBER. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed March 29, 1922. Serial No. 161,450. PUBLISHED OCTOBER 23, 1923.

178,197. METAL CULVERTS AND WELL CURBING. NORTH DAKOTA METAL CULVERT CO., Fargo, N. Dak.
Filed March 1, 1922. Serial No. 160,021. PUBLISHED OCTOBER 30, 1923.

178,198. COCOA. SCHWEITZER "COCOATINA" CO., LIMITED, Holloway, London, England.
Filed August 23, 1922. Serial No. 168,622. PUBLISHED OCTOBER 23, 1923.

178,199. GOLF CLUBS. CUTHBERT S. BUTCHART COMPANY, INC., Rye, N. Y.
Filed August 19, 1922. Serial No. 168,453. PUBLISHED OCTOBER 23, 1923.

178,200. ALL KINDS OF HIDES, SKINS, TALLOW, AND WOOL. WILCOX MOFFLIN LIMITED, Sydney, New South Wales, Australia.
Filed October 23, 1922. Serial No. 171,113. PUBLISHED OCTOBER 23, 1923.

178,201. TOILET PREPARATIONS. EMMA BEECHAM, doing business as Beechams Laboratory, Oscawana-on-Hudson, N. Y.
Filed October 6, 1922. Serial No. 170,362. PUBLISHED OCTOBER 23, 1923.

178,202. STUCCO. GRANITFACE COMPANY, INC., Brooklyn, N. Y.
Filed October 4, 1922. Serial No. 170,282. PUBLISHED OCTOBER 23, 1923.

178,203. INTERNAL-COMBUSTION ENGINES. THE CHANDLER MOTOR CAR COMPANY, Cleveland, Ohio.
Filed November 17, 1922. Serial No. 172,145. PUBLISHED OCTOBER 30, 1923.

178,204. CLAY, TILE, AND TERRA-COTTA PIPES AND CONDUITS, COLUMNS, STRUTS, PAVINGS, IMPERMEABLE FLAGGINGS, AND MINERAL PIPE, ROOF, TUNNEL, AND VAULT COVERINGS. "PRODOR" FABRIQUE DE PRODUITS ORGANIQUES S. A., Geneva, Switzerland.
Filed November 13, 1922. Serial No. 171,954. PUBLISHED OCTOBER 23, 1923.

178,205. AGRICULTURAL IMPLEMENTS. MARKT & HAMMACHER COMPANY, doing business as American Manufacturing Company, New York, N. Y.
Filed October 27, 1922. Serial No. 171,277. PUBLISHED OCTOBER 30, 1923.

178,206. GOLF CLUBS AND GOLF-CLUB HEADS. YARDSMORE GOLF CLUB MANUFACTURING COMPANY, New York, N. Y.
Filed December 12, 1922. Serial No. 173,268. PUBLISHED OCTOBER 23, 1923.

178,207. CANNED TOMATOES, CORN, PEAS, AND BEANS. JOSEPH CAMPBELL COMPANY, Camden, N. J., assignor to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey.
Filed November 22, 1922. Serial No. 172,370. PUBLISHED OCTOBER 23, 1923.

178,208. AUTOMOBILE RADIATORS. OPITZ MANUFACTURING COMPANY, Milwaukee, Wis.
Filed November 20, 1922. Serial No. 172,291. PUBLISHED OCTOBER 23, 1923.

178,209. SCYTHES AND SICKLES. IGELFORS BRUKS AKTIEBOLAG, Stockholm, Sweden.
Filed November 20, 1922. Serial No. 172,276. PUBLISHED OCTOBER 30, 1923.

178,210. SCYTHES AND SICKLES. IGELFORS BRUKS AKTIEBOLAG, Stockholm, Sweden.
Filed November 20, 1922. Serial No. 172,275. PUBLISHED OCTOBER 30, 1923.

178,211. BUTTER. GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y.
Filed January 11, 1923. Serial No. 174,441. PUBLISHED OCTOBER 16, 1923.

178,212. MEN'S AND BOYS' WORK SHIRTS. H. B. FERGUSON CO. INC., New York, N. Y.
Filed December 13, 1922. Serial No. 173,270. PUBLISHED OCTOBER 30, 1923.

178,213. CERTAIN NAMED CONSTRUCTION MATERIALS. DENVER GAS AND ELECTRIC LIGHT COMPANY, Denver, Colo.
Filed June 26, 1919. Serial No. 119,973. PUBLISHED OCTOBER 23, 1923.

178,214. HERB HAIR CREAM AND MASSAGE CREAM. WASSAN SINGH, Portland, Oreg.
Filed April 8, 1921. Serial No. 145,923. PUBLISHED OCTOBER 23, 1923.

178,215. PRINTING, STAMPING, EMBOSSING, LITHOGRAPHING, AND ENGRAVING WORK. JOSEPH EDWIN WOLF, doing business as J. E. Wolf Advertising Co., Boston, Mass.
Filed March 1, 1921. Serial No. 144,209. PUBLISHED OCTOBER 16, 1923.

178,216. KITCHEN UTENSILS. ALUMINUM SALES CO. INC., New York, N. Y.
Filed January 18, 1921. Serial No. 142,379. PUBLISHED OCTOBER 23, 1923.

178,217. A NUTRIENT LAXATIVE. VIROL, LIMITED, London, England.
Filed November 19, 1920. Serial No. 139,874. PUBLISHED NOVEMBER 28, 1922.

178,218. A TRANSPARENT GUM FILLER USED FOR FILLING CHECKS IN ANY VARNISHED SURFACE. PEERLESS FINISHING CO. INC., Los Angeles, Calif.
Filed July 25, 1921. Serial No. 150,928. PUBLISHED OCTOBER 30, 1923.

178,219. GOLF BALLS AND GOLF-STICK GRIPS. THE MARATHON TIRE & RUBBER COMPANY, Cuyahoga Falls, Ohio.
Filed July 1, 1921. Serial No. 149,922. PUBLISHED OCTOBER 23, 1923.

178,220. WRITING PAPER. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed April 22, 1921. Serial No. 146,536. PUBLISHED OCTOBER 23, 1923.

178,221. CERTAIN NAMED STOVES AND HEATING APPARATUS. S. STERNAU & CO. INC., New York, N. Y.
Filed August 15, 1921. Serial No. 151,812. PUBLISHED OCTOBER 23, 1923.

178,222. MEDICAL COMPOUND FOR THE RELIEF OF LUNG DISEASES AND DISEASES OF THE BONES AND BLOOD. MARIA TALENTO, Palermo, Italy.
Filed September 27, 1921. Serial No. 153,419. PUBLISHED OCTOBER 23, 1923.

178,223. MALT SIRUP. P. BALLANTINE & SONS, Newark, N. J.
Filed September 13, 1921. Serial No. 152,881. PUBLISHED OCTOBER 30, 1923.

178,224. KNIVES, FORKS, SPOONS, SCISSORS, SHEARS, AND SHARPENING STEELS. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed August 27, 1921. Serial No. 152,249. PUBLISHED OCTOBER 30, 1923.

178,225. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,840. PUBLISHED MARCH 27, 1923.

178,226. LADIES' AND MISSES' DRESSES. ULLMAN-JESSEL, INC., New York, N. Y.
Filed October 29, 1921. Serial No. 154,774. PUBLISHED OCTOBER 30, 1923.

178,227. INUNCTION FOR EXTERNAL APPLICATION FOR THE TREATMENT OF RHEUMATISM. "SMALLEX," Chicago, Ill.
Filed October 15, 1921. Serial No. 154,155. PUBLISHED OCTOBER 23, 1923.

178,228. NONFERROUS METAL TUBING NOT FABRICATED INTO FINISHED ARTICLES. MUELLER METALS COMPANY, Port Huron, Mich.
Filed November 30, 1921. Serial No. 156,103. PUBLISHED OCTOBER 16, 1923.

178,229. CORN-SIRUP APPLE JELLY. D. B. SCULLY SYRUP COMPANY, Chicago, Ill.
Filed November 22, 1921. Serial No. 155,775. PUBLISHED MARCH 6, 1923.

178,230. HOSE MADE WHOLLY OR PARTLY OF RUBBER OR A RUBBER COMPOSITION. VOORHEES RUBBER MFG. CO., Jersey City, N. J.
Filed March 30, 1922. Serial No. 161,514. PUBLISHED OCTOBER 23, 1923.

178,231. COAL-BURNING FURNACES, COAL-BURNING-FURNACE CASTINGS, AND COAL-FEEDING STOKERS. MURPHY IRON WORKS, Detroit, Mich.
Filed December 31, 1921. Serial No. 157,380. PUBLISHED OCTOBER 23, 1923.

178,232. INFANTS' PATENTED BUTTONLESS SHIRTS. LUMB KNITTING COMPANY, Pawtucket, R. I.
Filed December 9, 1921. Serial No. 156,496. PUBLISHED OCTOBER 23, 1923.

178,233. SPEEDOMETERS AND SPEEDOMETER PLATES. PRECISION SPEEDOMETER CO., Detroit, Mich.
Filed July 23, 1923. Serial No. 183,592. PUBLISHED OCTOBER 30, 1923.

178,234. TRAVELING BAGS, SUITCASES, BRIEF CASES, AND TRUNKS. LAITMAN & LAITMAN, New York, N. Y.
Filed July 23, 1923. Serial No. 183,578. PUBLISHED OCTOBER 30, 1923.

178,235. AIR COMPRESSORS AND AIR AND WATER STANDS. CHAMPION PNEUMATIC MACHINERY COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,553. PUBLISHED OCTOBER 30, 1923.

178,236. STORAGE TANKS. M. & V. TANK COMPANY, Wichita Falls, Tex.
Filed July 21, 1923. Serial No. 183,527. PUBLISHED OCTOBER 30, 1923.

178,237. BALLS AND GLOVES. MAURICE RAPOPORT & CO., New York, N. Y.
Filed July 20, 1923. Serial No. 183,502. PUBLISHED OCTOBER 23, 1923.

178,238. LOCKS, PARTICULARLY FOR MOTOR VEHICLES. THE HISEY-WOLF MACHINE COMPANY, Cincinnati, Ohio.
Filed July 24, 1923. Serial No. 183,625. PUBLISHED OCTOBER 30, 1923.

178,239. LOGGING AND HOISTING EQUIPMENT—NAMELY, BLOCKS OF ALL KINDS, CARRIAGES, AND WINDING ENGINES, DRIVEN BY STEAM, ELECTRICITY, OR INTERNAL-COMBUSTION ENGINES. WASHINGTON IRON WORKS, Seattle, Wash.
Filed July 23, 1923. Serial No. 183,613. PUBLISHED OCTOBER 30, 1923.

178,240. LAWN MOWERS. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed July 23, 1923. Serial No. 183,599. PUBLISHED OCTOBER 30, 1923.

178,241. COTTON PIECE GOODS. THE ROBERTSON BLEACHERY & DYE WORKS, INCORPORATED, New Milford, Conn.
Filed July 28, 1923. Serial No. 183,803. PUBLISHED OCTOBER 16, 1923.

178,242. COTTON PIECE GOODS. THE ROBERTSON BLEACHERY & DYE WORKS, INCORPORATED, New Milford, Conn.
Filed July 28, 1923. Serial No. 183,802. PUBLISHED OCTOBER 16, 1923.

178,243. LEMON OIL AND OTHER OILS AND POLISHES FOR FLOORS, FURNITURE, AUTOMOBILES, AND PAINTED AND VARNISHED SURFACES. THE LOVELL OIL COMPANY, INC., West Fort Lee, N. J.
Filed July 26, 1923. Serial No. 183,713. PUBLISHED OCTOBER 30, 1923.

178,244. CYLINDER HEADS. AUTOMATIC BEARING MACHINE CO., San Jose, Calif.
Filed July 26, 1923. Serial No. 183,686. PUBLISHED OCTOBER 30, 1923.

178,245. SOFT DRINKS. PERCY HARRISON JAMES, Oklahoma, Okla.
Filed July 24, 1923. Serial No. 183,627. PUBLISHED OCTOBER 30, 1923.

178,246. IRON AND STEEL IN THE FORM OF PIG IRON, INGOTS, BLOOMS, BILLETS, SLABS, BARS, SHAPES, AND SHEETS. REPUBLIC IRON & STEEL COMPANY, Youngstown, Ohio.
Filed August 2, 1923. Serial No. 183,994. PUBLISHED OCTOBER 23, 1923.

178,247. SANITARY NAPKINS. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md.
Filed August 2, 1923. Serial No. 183,954. PUBLISHED OCTOBER 23, 1923.

178,248. COMBINATION WOODWORKING MACHINES FOR SAWING, BORING, PLANING, JOINTING, AND OTHER OPERATIONS. HUTCHINSON MANUFACTURING CO., INC., Norristown, Pa.
Filed July 30, 1923. Serial No. 183,835. PUBLISHED OCTOBER 30, 1923.

178,249. GASOLINE, KEROSENE, BENZINE, PETROLEUM, DISTILLATES, FUEL OILS, AND LUBRICANTS AND SOLVENTS IN THE NATURE OF OILS AND GREASES. THE SUNFIELD COMPANY, Milford, Conn.
Filed July 28, 1923. Serial No. 183,806. PUBLISHED OCTOBER 30, 1923.

178,250. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 8, 1923. Serial No. 184,218. PUBLISHED OCTOBER 16, 1923.

178,251. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 8, 1923. Serial No. 184,219. PUBLISHED OCTOBER 16, 1923.

178,252. SOFT DRINKS AND FLAVORS. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed August 6, 1923. Serial No. 184,121. PUBLISHED OCTOBER 30, 1923.

178,253. OIL AND GASOLINE MEASURING PUMPS. TOKHEIM OIL TANK & PUMP CO., Fort Wayne, Ind.
Filed July 16, 1923. Serial No. 183,323. PUBLISHED OCTOBER 30, 1923.

178,254. PREPARATION FOR THE TREATMENT OF PILES. SAMUEL MYRON EBBAR, doing business as Seroline Remedy Co., Red Wing, Minn.
Filed February 28, 1923. Serial No. 176,734. PUBLISHED OCTOBER 23, 1923.

178,255. CARPENTERS' PENCILS. TOWNLEY METAL AND HARDWARE COMPANY, Kansas City, Mo.
Filed September 10, 1923. Serial No. 185,633. PUBLISHED OCTOBER 23, 1923.

178,256. COMBINATION LIQUID-SOAP DISPENSERS AND TOWEL RACKS. WILLIAM F. FINDLEY, Los Angeles, Calif.
Filed January 29, 1923. Serial No. 175,239. PUBLISHED OCTOBER 30, 1923.

178,257. TOILET PREPARATIONS. THE CROWN CHEMICAL COMPANY, now by change of name Boncilla Laboratories, Incorporated, Indianapolis, Ind.
Filed February 27, 1923. Serial No. 176,669. PUBLISHED OCTOBER 23, 1923.

178,258. FACIAL PACK. THE CROWN CHEMICAL COMPANY, now by change of name Boncilla Laboratories, Incorporated, Indianapolis, Ind.
Filed February 27, 1923. Serial No. 176,670. PUBLISHED OCTOBER 23, 1923.

178,259. GAS APPLIANCES. JOHNSON GAS APPLIANCE COMPANY, Cedar Rapids, Iowa.
Filed February 20, 1923. Serial No. 176,348. PUBLISHED OCTOBER 23, 1923.

178,260. ENAMELED-METAL COVERS FOR WASH-TUBS. NEW YORK VITREOUS ENAMEL PRODUCTS CORPORATION, Dover, Del., and Flushing, N. Y.
Filed February 26, 1923. Serial No. 176,643. PUBLISHED OCTOBER 30, 1923.

178,261. CERTAIN NAMED CONSTRUCTION MATERIALS. JOHN J. BRIGGS, Indianapolis, Ind.
Filed February 27, 1923. Serial No. 176,665. PUBLISHED OCTOBER 23, 1923.

178,262. MINIATURE THEATERS IN THE NATURE OF AN ADVERTISING DEVICE. THE ANIMATED MINIATURE THEATRE CORP., New York, N. Y.
Filed February 8, 1923. Serial No. 175,830. PUBLISHED OCTOBER 23, 1923.

178,263. ALMANAC AND YEARBOOK. CLYDE A. MANN, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,269. PUBLISHED OCTOBER 16, 1923.

178,264. CLEANING AND POLISHING MATERIALS FOR FURNITURE AND FOR PAINTED, VARNISHED, AND LACQUERED SURFACES. WALTER H. PHELPS, doing business as The Criterion Laboratories, Portsmouth, Ohio.
Filed January 31, 1923. Serial No. 175,369. PUBLISHED OCTOBER 30, 1923.

178,265. GOLF BALLS. WILFRID HILL, doing business as The County Golf Company, Birmingham, England.
Filed February 1, 1923. Serial No. 175,393. PUBLISHED OCTOBER 23, 1923.

178,266. CERTAIN NAMED FOODS AND RELISHES. THE PAUL DE LANEY CO. INC., Brocton, N. Y.
Filed February 9, 1923. Serial No. 175,773. PUBLISHED OCTOBER 16, 1923.

178,267. MACHINES FOR GRINDING SCISSORS, KNIVES, RAZORS, AND OTHER BLADES. DOMESTIC DEVICES CORPORATION, New York, N. Y.
Filed September 8, 1923. Serial No. 185,512. PUBLISHED OCTOBER 30, 1923.

178,268. TOILET PAPER. SCOTT PAPER COMPANY, Chester, Pa.
Filed September 10, 1923. Serial No. 185,623. PUBLISHED OCTOBER 23, 1923.

178,269. CERTAIN TOOLS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed April 3, 1923. Serial No. 178,528. PUBLISHED OCTOBER 30, 1923.

178,270. TOOTHBRUSH HOLDER. IMMANUEL G. SPEIDEL, doing business as The Sterobrus Co., Buffalo N. Y.
Filed April 6, 1923. Serial No. 178,679. PUBLISHED OCTOBER 30, 1923.

178,271. MOPS, BROOMS, DUSTERS, SCRUBBING BRUSHES, PAINTBRUSHES, CALCIMINE BRUSHES. MACLEAN DRUG COMPANY, Chicago, Ill.
Filed April 7, 1923. Serial No. 178,757. PUBLISHED OCTOBER 30, 1923.

178,272. SEWING-MACHINE NEEDLES. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed September 10, 1923. Serial No. 185,635. PUBLISHED OCTOBER 30, 1923.

178,273. GAUGES, AND PARTICULARLY GAUGES FOR GASOLINE TANKS. THE COLUMBUS COMPANY, Columbus, Ohio.
Filed March 23, 1923. Serial No. 177,897. PUBLISHED OCTOBER 30, 1923.

178,274. PUMPS, BOTH RECIPROCATING AND ROTARY, BOTH FOR LIQUIDS AND GASES; BLOWERS, WATER MOTORS, AND FRICTION-GEAR DRIVING MECHANISM. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed September 7, 1923. Serial No. 185,445. PUBLISHED OCTOBER 30, 1923.

178,275. VACUUM PUMPS. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed September 7, 1923. Serial No. 185,448. PUBLISHED OCTOBER 30, 1923.

178,276. TOOL HANDLES. JOSEPH A. TURGEON, Providence, R. I.
Filed September 4, 1923. Serial No. 185,324. PUBLISHED OCTOBER 30, 1923.

178,277. CAKE-ORNAMENTING TUBES, TIN PASTRY TUBES, ORNAMENTING SYRINGES, CAKE-ORNAMENTING SETS, CREAM-ROLL STICKS, AND MINCING KNIVES. AUGUST THOMSEN & CO., Ridgewood, New York, N. Y.
Filed September 6, 1923. Serial No. 185,389. PUBLISHED OCTOBER 30, 1923.

178,278. TRUNKS. LOUIS KNELL, doing business as Armored Trunk Mfg. Co., Youngstown, Ohio.
Filed August 23, 1923. Serial No. 184,914. PUBLISHED OCTOBER 30, 1923.

178,279. LUBRICATING GREASE. THE BATTENFELD GREASE & OIL COMPANY, Kansas City, Mo.
Filed August 24, 1923. Serial No. 184,929. PUBLISHED OCTOBER 30, 1923.

178,280. DRY GOODS—NAMELY, LINEN AND COTTON CLOTHS. THE FARLEY HARVEY COMPANY, Boston, Mass.
Filed August 25, 1923. Serial No. 184,965. PUBLISHED OCTOBER 16, 1923.

178,281. SOFT DRINKS. LEON COHEN, doing business as United Extract Company, Philadelphia, Pa.
Filed August 18, 1923. Serial No. 184,650. PUBLISHED OCTOBER 30, 1923.

178,282. LEVER-OPERATED MOTORS. MORRIS VICTORSOHN, New York, N. Y.
Filed August 18, 1923. Serial No. 184,700. PUBLISHED OCTOBER 30, 1923.

178,283. TOILET PAPER AND PAPER TOWELS. ALBANY PERFORATED WRAPPING PAPER CO., Albany, N. Y.
Filed August 23, 1923. Serial No. 184,889. PUBLISHED OCTOBER 23, 1923.

178,284. CANNED FRUITS. G. H. CORSE, Jr., doing business as George H. Corse, Jr. & Co., San Francisco, Calif.
Filed August 14, 1923. Serial No. 184,436. PUBLISHED OCTOBER 23, 1923.

178,285. FRESH DECIDUOUS FRUITS—NAMELY, FRESH PEARS. N. E. DEAN, Courtland, Calif.
Filed August 17, 1923. Serial No. 184,602. PUBLISHED OCTOBER 23, 1923.

178,286. SHAKING SCREENS. THE MORROW MANUFACTURING CO., Wellston, Ohio.
Filed August 11, 1923. Serial No. 184,346. PUBLISHED OCTOBER 30, 1923.

178,287. WRENCHES AND PARTS THEREOF. GREENE, TWEED & CO., New York, N. Y.
Filed August 13, 1923. Serial No. 184,400. PUBLISHED OCTOBER 30, 1923.

178,288. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 8, 1923. Serial No. 184,220. PUBLISHED OCTOBER 16, 1923.

178,289. FRESH CITROUS FRUITS. SAN DIMAS LEMON ASSOCIATION, San Dimas, Calif.
Filed August 10, 1923. Serial No. 184,300. PUBLISHED OCTOBER 23, 1923.

178,290. CIGARS. LINCOLN BROTHERS, New York, N. Y.
Filed August 11, 1923. Serial No. 184,342. PUBLISHED OCTOBER 23, 1923.

178,291. WRENCHES, WRENCH SETS, SOCKET-WRENCH SETS, AND ALIGNMENT JIGS FOR CONNECTING RODS, PISTONS, AND PISTON PINS. HINSDALE MANUFACTURING COMPANY, Chicago, Ill.
Filed July 18, 1923. Serial No. 183,383. PUBLISHED OCTOBER 30, 1923.

178,292. SOFT DRINKS. HERBERT S. JENNER, Rochester, N. Y.
Filed July 18, 1923. Serial No. 183,384. PUBLISHED OCTOBER 30, 1923.

178,293. VARNISHES AND STAINS. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,282. PUBLISHED OCTOBER 30, 1923.

178,294. PAINT AND VARNISH REMOVERS. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,281. PUBLISHED OCTOBER 30, 1923.

178,295. FLAT WALL FINISH. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,276. PUBLISHED OCTOBER 30, 1923.

178,296. VARNISH FOR THE CEMENTING OF LINOLEUMS, CONGOLEUMS, AND RUBBER TILE. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,279. PUBLISHED OCTOBER 30, 1923.

178,297. LEMON-OIL POLISH. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,280. PUBLISHED OCTOBER 30, 1923.

178,298. FLAT WALL PAINT. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,274. PUBLISHED OCTOBER 30, 1923.

178,299. PAINT ENAMELS, FLAT WALL FINISH, AND VARNISHES. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,275. PUBLISHED OCTOBER 30, 1923.

178,300. SANITARY NAPKINS. SCHAFUSS CORPORATION, New York, N. Y.
Filed July 13, 1923. Serial No. 183,166. PUBLISHED OCTOBER 30, 1923.

178,301. CANNED FISH, PRESERVED FRUITS, AND PRESERVED VEGETABLES. JOHN CRAMPTON & Co., LTD., Manchester, England.
Filed July 16, 1923. Serial No. 183,255. PUBLISHED OCTOBER 23, 1923.

178,302. READY-MIXED PAINTS, PAINT ENAMELS, AND STAINS. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,271. PUBLISHED OCTOBER 30, 1923.

178,303. COLOR FILTERS. CARL ZEISS, Jena, Germany.
Filed July 10, 1923. Serial No. 183,048. PUBLISHED OCTOBER 30, 1923.

178,304. CERTAIN SHOE MACHINERY, PARTS, AND SUPPLIES. THE LOUIS G. FREEMAN COMPANY, Cincinnati, Ohio.
Filed July 12, 1923. Serial No. 183,106. PUBLISHED OCTOBER 30, 1923.

178,305. HIGH-TEMPERATURE CEMENT. THE WAHL REFRACTORY PRODUCTS CO., Fremont, Ohio.
Filed July 9, 1923. Serial No. 183,014. PUBLISHED OCTOBER 23, 1923.

178,306. SOFT DRINKS. SOC. AN. FSCO. CINZANO & CIA., Turin, Italy.
Filed July 10, 1923. Serial No. 183,044. PUBLISHED OCTOBER 30, 1923.

178,307. A NET GAME SIMILAR TO TENNIS. CLEVE T. SHAFFER, doing business as Dek Game Co., San Francisco, Calif.
Filed July 9, 1923. Serial No. 183,000. PUBLISHED OCTOBER 23, 1923.

178,308. FISHING-ROD MOUNTINGS. THE W. W. MILDRUM JEWEL CO., East Berlin, Conn.
Filed July 20, 1923. Serial No. 183,489. PUBLISHED OCTOBER 23, 1923.

178,309. ELECTRICAL OUTFITS FOR ELECTRONIC DIAGNOSIS AND ELECTROTHERAPEUTICS. AMERICAN INSTITUTE OF RATIONAL THERAPEUTICS, Chicago, Ill.
Filed July 9, 1923. Serial No. 182,956. PUBLISHED OCTOBER 30, 1923.

178,310. TREATMENT OUTFITS FOR ELECTROTHERAPEUTICS. AMERICAN INSTITUTE OF RATIONAL THERAPEUTICS, Chicago, Ill.
Filed July 9, 1923. Serial No. 182,955. PUBLISHED OCTOBER 30, 1923.

178,311. CERTAIN NAMED CLOTHING. INTERNATIONAL DRY GOODS CO., Boston, Mass.
Filed July 3, 1923. Serial No. 182,753. PUBLISHED OCTOBER 23, 1923.

178,312. ELECTRICAL OUTFITS FOR ELECTRONIC DIAGNOSIS. AMERICAN INSTITUTE OF RATIONAL THERAPEUTICS, Chicago, Ill.
Filed July 9, 1923. Serial No. 182,954. PUBLISHED OCTOBER 30, 1923.

178,313. OIL MOPS. WESTERN STEEL & CHEMICAL CO. INC., Chicago, Ill.
Filed July 2, 1923. Serial No. 182,730. PUBLISHED OCTOBER 23, 1923.

178,314. ORANGE JUICE, FRUIT CIDERS. CARROLL H. DIKEMAN, doing business as Dikeman's Orange Beverage Stores, Washington, D. C.
Filed July 3, 1923. Serial No. 182,738. PUBLISHED OCTOBER 30, 1923.

178,315. ORANGE JUICE, FRUIT CIDERS. CARROLL H. DIKEMAN, doing business as Dikeman's Orange Beverage Stores, Washington, D. C.
Filed July 3, 1923. Serial No. 182,739. PUBLISHED OCTOBER 30, 1923.

178,316. FLOOR BRUSHES FOR SWEEPING AND DUSTING PURPOSES. M. G. GOEBLER'S SONS, Circleville, Ohio.
Filed July 3, 1923. Serial No. 182,749. PUBLISHED OCTOBER 30, 1923.

178,317. LIQUID PREPARATION FOR THE EXTERMINATION OF FLIES AND MOSQUITOES. JOSEPH TRINER COMPANY, Chicago, Ill.
Filed June 29, 1923. Serial No. 182,627. PUBLISHED OCTOBER 30, 1923.

178,318. LAXATIVE CHEWING GUM. JOSEPH TRINER COMPANY, Chicago, Ill.
Filed June 29, 1923. Serial No. 182,628. PUBLISHED OCTOBER 30, 1923.

178,319. FRESH GRAPES, CITROUS FRUITS, AND CANTALOUPES. ASSOCIATED FRUIT CO., Los Angeles, Calif.
Filed June 30, 1923. Serial No. 182,645. PUBLISHED OCTOBER 16, 1923.

178,320. WORK AND NEGLIGEE SHIRTS. M. FINE & SONS, New York, N. Y.
Filed June 30, 1923. Serial No. 182,656. PUBLISHED OCTOBER 23, 1923.

178,321. CIGARS, CIGARETTES, AND SMOKING TOBACCO. EDWARD A. KLINE, doing business as E. A. Kline & Co., New York, N. Y.
Filed June 29, 1923. Serial No. 182,591. PUBLISHED OCTOBER 23, 1923.

178,322. CERTAIN NAMED HARDWARE. THE STANLEY WORKS, New Britain, Conn.
Filed June 29, 1923. Serial No. 182,619. PUBLISHED OCTOBER 16, 1923.

178,323. MEDICATED OIL FOR THE TREATMENT OF EYE INFLAMMATION. THE TALLERDAY MEDICINE COMPANY, Belvidere and Chicago, Ill.
Filed June 29, 1923. Serial No. 182,623. PUBLISHED OCTOBER 30, 1923.

178,324. WALL BOARDS. FREDERICKS M. DEBING, Chicago, Ill.
Filed June 29, 1923. Serial No. 182,571. PUBLISHED OCTOBER 23, 1923.

178,325. MACHINERY FOR USE IN THE SHOE, HAT, AND GLOVE TRADE. DONNELLY MACHINE CO., INC., Brockton, Mass.
Filed June 29, 1923. Serial No. 182,574. PUBLISHED OCTOBER 30, 1923.

178,326. LAND PLASTER. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed July 29, 1922. Serial No. 167,588. PUBLISHED OCTOBER 30, 1923.

178,327. LIQUID HAIR TONIC. GENNARO DELLA PORTA, New York, N. Y.
Filed June 27, 1923. Serial No. 182,522. PUBLISHED OCTOBER 23, 1923.

178,328. PHARMACEUTICAL PREPARATIONS. SAMUEL J. MALLOY, New York, N. Y.
Filed June 28, 1923. Serial No. 182,544. PUBLISHED OCTOBER 23, 1923.

178,329. ALUMINUM AND ALUMINUM-BASE ALLOYS HAVING A COLORED FINISH. ALUMINUM COMPANY OF AMERICA, Pittsburgh and New Kensington, Pa.
Filed May 16, 1923. Serial No. 180,679. PUBLISHED OCTOBER 30, 1923.

178,330. COMMERCIAL MOTOR-VEHICLE BODIES. U. S. HAME COMPANY, Buffalo, N. Y., Chicago, Ill., Cleveland, Ohio, and Detroit, Mich.
Filed May 14, 1923. Serial No. 180,633. PUBLISHED OCTOBER 23, 1923.

178,331. AUTO ROAD MAPS. HANDIPAK COMPANY, Salt Lake City, Utah.
Filed May 19, 1923. Serial No. 180,864. PUBLISHED OCTOBER 16, 1923.

178,332. CATCHUP AND CANNED VEGETABLES. BRIGHTON CANNING COMPANY, Brighton, Iowa.
Filed May 19, 1923. Serial No. 180,836. PUBLISHED OCTOBER 16, 1923.

178,333. CEMENT PRODUCTS, PARTICULARLY CEMENT BUILDING SIDING. PARAGON CEMENT PRODUCTS CO., St. Louis County, Mo.
Filed May 18, 1923. Serial No. 180,809. PUBLISHED OCTOBER 23, 1923.

178,334. DISINFECTANTS. JOHN B. KOSI, doing business as United States Remedy Co., Jacksonville, Fla.
Filed May 23, 1923. Serial No. 181,013. PUBLISHED OCTOBER 23, 1923.

178,335. ELECTROLYTES. PHILADELPHIA STORAGE BATTERY CO., Philadelphia, Pa.
Filed May 21, 1923. Serial No. 180,942. PUBLISHED OCTOBER 23, 1923.

178,336. ROUGES, FACE POWDERS, COMPACT, LIP STICKS, AND EYEBROW PENCILS. AARON SCHNEIDER, doing business as La Minnuette Trading Co., New York, N. Y.
Filed May 19, 1923. Serial No. 180,895. PUBLISHED OCTOBER 23, 1923.

178,337. CANNED VEGETABLES, CANNED FRUITS, CANNED TOMATO PURÉE, AND TOMATO CATCHUP. NATIONAL PACKING CORPORATION, Ogden, Utah.
Filed May 19, 1923. Serial No. 180,878. PUBLISHED OCTOBER 16, 1923.

178,338. MACARONI PRODUCTS. KEYSTONE MACARONI MANUFACTURING COMPANY, Lebanon, Pa.
Filed May 25, 1923. Serial No. 181,130. PUBLISHED OCTOBER 23, 1923.

178,339. BUTTER, LIVE AND DRESSED POULTRY, AND EGGS. ALLOWAY BROTHERS, Nashville, Tenn.
Filed May 25, 1923. Serial No. 181,100. PUBLISHED OCTOBER 16, 1923.

178,340. MALT SIRUP AND BEVERAGES. PABST CORPORATION, Milwaukee, Wis.
Filed May 26, 1923. Serial No. 181,214. PUBLISHED OCTOBER 30, 1923.

178,341. MALT BEVERAGE AND SIRUPS. PABST CORPORATION, Milwaukee, Wis.
Filed May 26, 1923. Serial No. 181,212. PUBLISHED OCTOBER 30, 1923.

178,342. MIXING AND COATING MACHINES FOR PLASTIC OR SEMILIQUID SUBSTANCES. JOSEPH BAKER SONS AND PERKINS LIMITED, London, England.
Filed May 29, 1923. Serial No. 181,332. PUBLISHED OCTOBER 30, 1923.

178,343. LIQUID ANTISEPTIC. SAMUEL M. HELDFOND, doing business as Heldfond Drug Company and Raymo Compsny, Portland, Oreg.
Filed May 28, 1923. Serial No. 181,278. PUBLISHED OCTOBER 23, 1923.

178,344. FORMALDEHYDE. PERTH AMBOY CHEMICAL WORKS, Perth Amboy, N. J., and New York, N. Y.
Filed May 31, 1923. Serial No. 181,410. PUBLISHED OCTOBER 23, 1923.

178,345. HOSIERY, KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND LEATHER AND FABRIC GLOVES. THE JOHN H. HIRSEM DRY GOODS CO., Cincinnati, Ohio.
Filed May 31, 1923. Serial No. 181,395. PUBLISHED OCTOBER 23, 1923.

178,346. PENKNIVES, PENKNIVES WITH DETACHABLE BLADES, MANUAL HOLDERS FOR BLADES, RAZORS, AND RAZOR BLADES. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed June 8, 1923. Serial No. 181,666. PUBLISHED OCTOBER 30, 1923.

178,347. RAZORS AND RAZOR BLADES. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J.
Filed June 4, 1923. Serial No. 181,527. PUBLISHED OCTOBER 30, 1923.

178,348. LADIES' COATS AND SUITS. L. SCHWARTZ & SONS, New York, N. Y.
Filed June 2, 1923. Serial No. 181,499. PUBLISHED OCTOBER 23, 1923.

178,349. MOTION-PICTURE FILMS. METRO PICTURES CORPORATION, New York, N. Y.
Filed July 19, 1923. Serial No. 183,453. PUBLISHED OCTOBER 30, 1923.

178,350. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed June 10, 1922. Serial No. 165,311. PUBLISHED OCTOBER 23, 1923.

178,351. WAFERS DESIGNED TO BE USED FOR LINING BAKERS' WARE, APPARATUS FOR BAKING WAFERS. JOHANN SCHMIDT OBLATENFABRIK, Nuremberg, Germany.
Filed June 15, 1922. Serial No. 165,572. PUBLISHED OCTOBER 23, 1923.

178,352. PAPER PULP—NAMELY, GROUND WOOD, KRAFT, AND SULPHATE PULP, SULPHITE PULP, AND SCREENINGS PULP. ST. MAURICE PAPER COMPANY, LIMITED, Montreal, Quebec, Canada.
Filed May 31, 1922. Serial No. 164,724. PUBLISHED OCTOBER 23, 1923.

178,353. CAST, DRAWN, ROLLED, EXTRUDED, PRESSED, AND MACHINED NONFERROUS METALS, ETC. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed June 7, 1922. Serial No. 165,112. PUBLISHED OCTOBER 23, 1923.

178,354. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. SEE-MOON & COMPANY, Chicago, Ill.
Filed May 22, 1922. Serial No. 164,270. PUBLISHED OCTOBER 2, 1923.

178,355. GRINDING BALLS. THE BONNEY-FLOYD CO., Marion Road, Columbus, Ohio.
Filed May 22, 1922. Serial No. 164,221. PUBLISHED OCTOBER 30, 1923.

178,356. SALAD DRESSINGS. MARGARET E. SANBORN, doing business as Blue Bird Food Company, Chicago, Ill.
Filed April 10, 1922. Serial No. 162,070. PUBLISHED OCTOBER 23, 1923.

178,357. BAKING POWDER AND CREAM OF TARTAR. REID, MURDOCH & CO., Chicago, Ill.
Filed May 1, 1922. Serial No. 163,177. PUBLISHED DECEMBER 26, 1922.

178,358. CALENDARS, MAILING CARDS, CUT-OUT NOVELTIES—NAMELY, ANIMALS, CLOWNS, PAPER DOLLS; AND ARTISTIC CARDS KNOWN AS KITCHEN REMINDERS. IRWIN K. UNGAR, doing business as GlobArteo, Cincinnati, Ohio.
Filed May 20, 1922. Serial No. 164,206. PUBLISHED OCTOBER 16, 1923.

178,359. AUTOMOBILE ACCESSORIES — NAMELY, SHOCK ABSORBERS. THE HOUDAILLE COMPANY, Buffalo, N. Y.
Filed April 1, 1922. Serial No. 161,626. PUBLISHED OCTOBER 23, 1923.

178,360. ELECTRIC VIBRATORY OUTFITS, ELECTRIC HEATING PADS, AND ELECTRICAL THERAPEUTIC BATTERIES. NATIONAL STAMPING & ELECTRIC WORKS, Chicago, Ill.
Filed April 3, 1922. Serial No. 161,698. PUBLISHED OCTOBER 30, 1923.

178,361. AUTOMOBILE ACCESSORIES—NAMELY, SHOCK ABSORBERS. THE HOUDAILLE COMPANY, New York, N. Y.
Filed April 1, 1922. Serial No. 161,625. PUBLISHED OCTOBER 23, 1923.

178,362. GENERAL SCOURING PREPARATION IN LIQUID FORM. HARRY E. HOFFMASTER, Toledo, Ohio.
Filed May 19, 1922. Serial No. 164,107. PUBLISHED OCTOBER 16, 1923.

178,363. TOILET SOAP. CROFTS & REED CO., Chicago, Ill.
Filed March 3, 1922. Serial No. 160,115. PUBLISHED JUNE 6, 1922.

178,364. CERTAIN NAMED ABRASIVES. WILLIAM L. KANN, trading as Advance Abrasive Co., Pittsburgh, Pa.
Filed December 14, 1922. Serial No. 173,329. PUBLISHED MARCH 20, 1923.

178,365. WASHING POWDER. THE E. B. ROSS CO., East Stroudsburg, Pa.
Filed December 11, 1922. Serial No. 173,212. PUBLISHED OCTOBER 16, 1923.

178,366. GENERAL HOUSEHOLD CLEANSING PREPARATION, LAUNDRY SOAP, AND SOAP CHIPS. ELBERT C. ROBERTS, doing business as E. C. Roberts Chemical Company, Newport News, Va.
Filed January 29, 1923. Serial No. 175,270. PUBLISHED OCTOBER 16, 1923.

178,367. RUBBERIZED CLOTH. MEADE RUBBER COMPANY, Stoughton, Mass.
Filed January 4, 1923. Serial No. 174,173. PUBLISHED OCTOBER 23, 1923.

178,368. SOAPS, CLEANING AND SCOURING POWDER. COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y.
Filed April 19, 1923. Serial No. 179,358. PUBLISHED JULY 24, 1923.

178,369. CIGARS. FIELD CIGAR CORPORATION, Detroit, Mich.
Filed March 9, 1923. Serial No. 177,176. PUBLISHED OCTOBER 30, 1923.

178,370. ADHESIVE GUMS AND SIZINGS. COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y.
Filed April 19, 1923. Serial No. 179,361. PUBLISHED OCTOBER 2, 1923.

178,371. PAINT COLORS. COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y.
Filed April 19, 1923. Serial No. 179,360. PUBLISHED OCTOBER 16, 1923.

178,372. FUEL, LIGHTING, HEATING, AND LUBRICATING OILS AND GREASES; NONVOLATILE OIL COMPOUNDS FOR MIXTURE WITH OIL TO PRODUCE LUBRICATING AND CUTTING MACHINE OILS. COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y.
Filed April 19, 1923. Serial No. 179,359. PUBLISHED OCTOBER 2, 1923.

178,373. CERTAIN NAMED CHEMICALS. COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y.
Filed April 19, 1923. Serial No. 179,362. PUBLISHED SEPTEMBER 18, 1923.

178,374. PREPARATION FOR CLEANSING AND BLEACHING TOILET BOWLS. UNITED CHEMICAL COMPANIES, Kansas City, Mo.
Filed May 16, 1923. Serial No. 180,726. PUBLISHED OCTOBER 16, 1923.

178,375. SOAPS. HYGIENIC MANUFACTURING COMPANY, Chicago, Ill.
Filed May 31, 1923. Serial No. 181,400. PUBLISHED OCTOBER 16, 1923.

178,376. SOAP PASTE. FRANK HINTON, Decatur, Ill.
Filed May 31, 1923. Serial No. 181,396. PUBLISHED OCTOBER 16, 1923.

178,377. FERNS. ZELLWOOD FERN GROWERS ASSOCIATION, Zellwood, Fla.
Filed May 23, 1923. Serial No. 181,049. PUBLISHED OCTOBER 30, 1923.

178,378. A SPECIALLY-PREPARED FOOD IN POWDERED FORM FOR INFANTS. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed June 29, 1923. Serial No. 182,598. PUBLISHED OCTOBER 30, 1923.

178,379. LEATHER LUBRICATOR OR DRESSING. PERC EDWARDS, doing business as Standard Engineering & Lubricating Co., New York, N. Y.
Filed June 20, 1923. Serial No. 182,237. PUBLISHED OCTOBER 16, 1923.

178,380. WOOL. O. N. PURDY, Jr., Boston, Mass.
Filed June 9, 1923. Serial No. 181,774. PUBLISHED OCTOBER 30, 1923.

178,381. RAZOR STROPS AND HONES. UNION CUTLERY CO. INC., Olean, N. Y.
Filed June 6, 1923. Serial No. 181,623. PUBLISHED OCTOBER 16, 1923.

178,382. MAGNESIUM AND MAGNESIUM ALLOYS. AMERICAN MAGNESIUM CORPORATION, Niagara Falls, N. Y.
Filed June 27, 1923. Serial No. 182,492. PUBLISHED OCTOBER 23, 1923.

178,383. OLIVE OIL. HIJOS DE YBARRA, Seville, Spain.
Filed June 27, 1923. Serial No. 182,501. PUBLISHED OCTOBER 16, 1923.

178,384. CERTAIN ARTICLES OF HARDWARE. GREENE, TWEED & CO., New York, N. Y., and Newark, N. J.
Filed June 27, 1923. Serial No. 182,514. PUBLISHED OCTOBER 30, 1923.

178,385. TIRE CARRIERS. PACKARD MOTOR CAR COMPANY OF NEW YORK, New York, N. Y.
Filed June 27, 1923. Serial No. 182,521. PUBLISHED OCTOBER 23, 1923.

178,386. TOILET PREPARATION TO REMOVE OILINESS OF THE SKIN AND TO HOLD THE FACE POWDER. SANDRA LABORATORIES, INC., doing business as The Pandora Co., Newark, N. J.
Filed June 26, 1923. Serial No. 182,486. PUBLISHED OCTOBER 23, 1923.

178,387. PREPARATION FOR USE IN THE TREATMENT OF PYORRHEA. SAMUEL B. ABBOTT, Columbus, Miss.
Filed June 27, 1923. Serial No. 182,491. PUBLISHED OCTOBER 23, 1923.

178,388. A MEDICINAL PREPARATION FOR COUGH, SORE THROAT, HOARSENESS, AND BRONCHIAL AFFECTIONS. JOSEPH A. PARR, Manchester, N. H.
Filed June 25, 1923. Serial No. 182,439. PUBLISHED OCTOBER 16, 1923.

178,389. RANGE BOILERS. PENNSYLVANIA RANGE BOILER CO., Philadelphia, Pa.
Filed June 26, 1923. Serial No. 182,484. PUBLISHED OCTOBER 23, 1923.

178,390. SOFT DRINKS. EAST SIDE BOTTLING WORKS, Detroit, Mich.
Filed June 25, 1923. Serial No. 182,437. PUBLISHED OCTOBER 30, 1923.

178,391. PREPARATION FOR USE IN TREATING THE SCALP AND PROMOTING GROWTH OF HAIR. JESSIE A. DICKSON, doing business as J. A. Dickson Mfg. Co., Gary, Ind.
Filed June 25, 1923. Serial No. 182,405. PUBLISHED OCTOBER 30, 1923.

178,392. MEDICINAL SALVE FOR THE RELIEF OF AFFECTIONS OF THE SKIN AND SCALP. MENTHO SULPHUR COMPANY, Jersey City, N. J.
Filed June 25, 1923. Serial No. 182,429. PUBLISHED OCTOBER 30, 1923.

178,393. TITLE FOR CARTOONS. THE WORLD COLOR PRINTING COMPANY, St. Louis, Mo.
Filed June 23, 1923. Serial No. 182,391. PUBLISHED OCTOBER 16, 1923.

178,394. TITLE FOR CARTOONS. THE WORLD COLOR PRINTING COMPANY, St. Louis, Mo.
Filed June 23, 1923. Serial No. 182,390. PUBLISHED OCTOBER 16, 1923.

178,395. HAIR GROWER. ELIZABETH M. N. COLES, New York, N. Y.
Filed June 25, 1923. Serial No. 182,400. PUBLISHED OCTOBER 30, 1923.

178,396. MUD SALVE AND MUD PACK AND MUD-PACK BEAUTIFIER. ASP FAYSOL COMPANY, New York, N. Y.
Filed June 23, 1923. Serial No. 182,372. PUBLISHED OCTOBER 16, 1923.

178,397. SALT CAKE. GRAHAM, ROWE & COMPANY, INC., New York, N. Y.
Filed June 23, 1923. Serial No. 182,375. PUBLISHED OCTOBER 16, 1923.

178,398. TOILET PREPARATIONS. SOCIETE FRANCAISE DES PRODUITS DE BEAUTE, Paris, France.
Filed June 23, 1923. Serial No. 182,385. PUBLISHED OCTOBER 16, 1923.

178,399. TOILET PREPARATIONS. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed June 21, 1923. Serial No. 182,321. PUBLISHED OCTOBER 23, 1923.

178,400. A CHEMICAL COMPOSITION FOR DESTROYING RODENTS AND OTHER ANIMAL PESTS. ROBERT B. FRYE, Pueblo, Colo.
Filed June 22, 1923. Serial No. 182,340. PUBLISHED OCTOBER 16, 1923.

178,401. FERROUS METALS. DUNCAN MACKENZIE'S SONS CO., Trenton, N. J.
Filed June 22, 1923. Serial No. 182,352. PUBLISHED OCTOBER 23, 1923.

178,402. COTTON PIECE GOODS. TREMONT & SUFFOLK MILLS, Lowell, Mass.
Filed May 12, 1923. Serial No. 180,566. PUBLISHED AUGUST 21, 1923.

178,403. LAUNDRY BLUE. GARTSIDE'S IRON RUST SOAP CO., Philadelphia, Pa.
Filed May 12, 1923. Serial No. 180,534. PUBLISHED OCTOBER 23, 1923.

178,404. LEATHER BELTING. HARRIS E. WHITING, doing business as Whiting Leather & Belting Company, Long Island City, N. Y.
Filed April 30, 1923. Serial No. 179,977. PUBLISHED OCTOBER 23, 1923.

178,405. LUMBER, LATHS, MOLDINGS, SIDINGS. PELICAN BAY LUMBER COMPANY, Klamath Falls, Oreg.
Filed May 2, 1923. Serial No. 180,079. PUBLISHED OCTOBER 23, 1923.

178,406. MECHANICAL TOYS. SCHREYER & CO., Nuremberg, Germany.
Filed April 27, 1923. Serial No. 179,824. PUBLISHED OCTOBER 23, 1923.

178,407. HAMS, BACON, SAUSAGE, LARD, BUTTER, EGGS, AND DRESSED POULTRY. THE EVANSVILLE PACKING COMPANY, Evansville, Ind.
Filed April 30, 1923. Serial No. 179,931. PUBLISHED OCTOBER 16, 1923.

178,408. MEDICINAL PREPARATIONS. RED FOOT PRODUCTS COMPANY, INC., Detroit, Mich.
Filed April 26, 1923. Serial No. 179,742. PUBLISHED OCTOBER 23, 1923.

178,409. MEDICINAL PREPARATION FOR SORE THROAT AND IRRITATED TONSILS. GEORGE YEAGER, doing business as Y-P Laboratories, Cincinnati, Ohio.
Filed April 26, 1923. Serial No. 179,762. PUBLISHED OCTOBER 23, 1923.

178,410. TEA AND COFFEE. THE BANTAM PRODUCTS LTD., Farnley, Leeds, England.
Filed April 24, 1923. Serial No. 179,580. PUBLISHED OCTOBER 16, 1923.

178,411. EYE REMEDY. RAYMOND W. SMITH, doing business as Chemical Products Company, St. Louis, Mo.
Filed April 25, 1923. Serial No. 179,686. PUBLISHED OCTOBER 23, 1923.

178,412. AIR CONDITIONING AND COOLING DEVICES FOR USE IN SHOW CASES OR OTHER CONTAINERS FOR FOOD OR OTHER PRODUCTS, AND SAID CONTAINERS EQUIPPED WITH SUCH DEVICES. THE ARIDOR COMPANY, Chicago, Ill.
Filed April 23, 1923. Serial No. 179,511. PUBLISHED OCTOBER 16, 1923.

178,413. ROOFING MATERIALS COMPOSED OF CRUSHED ROCK OF VARIOUS GRADES OF FINENESS, COMPOSITION FLOORING COMPOSED OF CRUSHED ROCK OF VARIOUS GRADES OF FINENESS AND COLORS, STUCCO, ARTIFICIAL STONE. MINERAL PRODUCTS, INC., Los Angeles, Calif.
Filed May 9, 1923. Serial No. 180,382. PUBLISHED OCTOBER 23, 1923.

178,414. A SPECIAL CARBOHYDRATE ANTITOXIC FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed May 11, 1923. Serial No. 180,463. PUBLISHED OCTOBER 16, 1923.

178,415. INSTRUCTION BOOKS, PAMPHLETS, OR FOLDERS AS PUBLICATIONS USED AND SOLD IN CONNECTION WITH A CORRESPONDENCE COURSE. THE NORTHERN INSTITUTE CO., Cleveland, Ohio.
Filed May 11, 1923. Serial No. 180,488. PUBLISHED OCTOBER 16, 1923.

178,416. FLAVORING EXTRACT FOR FOOD PURPOSES. FLORASYNTH LABORATORIES, New York and Unionport, N. Y.
Filed April 16, 1923. Serial No. 179,192. PUBLISHED OCTOBER 23, 1923.

178,417. METAL CONTAINERS USED FOR CANDY, LUNCH, WORKBOXES, ETC. THOMAS B. LAMB, New York, N. Y.
Filed May 5, 1923. Serial No. 180,227. PUBLISHED OCTOBER 30, 1923.

178,418. GRAHAM OR WHOLE-WHEAT FLOUR. CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware.
Filed May 7, 1923. Serial No. 180,303. PUBLISHED SEPTEMBER 25, 1923.

178,419. INFANTS' SOOTHERS. F. SCHUTZE AND COMPANY LIMITED, London, England.
Filed May 2, 1923. Serial No. 180,085. PUBLISHED OCTOBER 30, 1923.

178,420. HOSIERY. THE SHURFIT HOSIERY COMPANY, NOT INC., Chicago, Ill.
Filed May 4, 1923. Serial No. 180,195. PUBLISHED OCTOBER 23, 1923.

178,421. TENTS. ISAAC S. PURCELL, doing business as Dri-Kamp Company, Chicago, Ill.
Filed April 23, 1923. Serial No. 179,553. PUBLISHED OCTOBER 30, 1923.

178,422. THREADS MADE WHOLLY OR PRINCIPALLY OF CELLULOSE DERIVATIVES. BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY LIMITED, now by change of name British Celanese Limited, London, England.
Filed June 5, 1922. Serial No. 165,002. PUBLISHED SEPTEMBER 18, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

178,423. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PERLBERG & HALPIN, New York, N. Y. Filed July 7, 1923. Serial No. 182,934.

Shut-tite

Particular description of goods.—Removable Covers for Musical Instruments.
Claims use since about May 1, 1922.

178,424. (CLASS 2. RECEPTACLES.) WARSAW BASKET COMPANY, Warsaw, Ind. Filed July 13, 1923. Serial No. 183,180.

BILT-WELL

Particular description of goods.—Baskets.
Claims use since Nov. 13, 1922.

178,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILL-WHIP-CREAM CO., Los Angeles, Calif. Filed June 7, 1923. Serial No. 181,663.

"Will-Whip-Cream"

Particular description of goods.—A Powder for Whipped Cream.
Claims use since May 31, 1922.

178,426. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HERCULES MANUFACTURING CO., Minneapolis, Minn. Filed June 14, 1923. Serial No. 181,990.

HERCULES STOVETTE

Particular description of goods.—Portable Stoves.
Claims use since on or about Oct. 1, 1922.

178,427. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN LIQUID METER COMPANY, Portland, Oreg. Filed June 25, 1923. Serial No. 182,392.

BASSLER

Particular description of goods.—Liquid Meters of the Displacement Type and Parts Thereof.
Claims use since about November, 1921.

178,428. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923. Serial No. 182,461.

Particular description of goods.—Paper Bags.
Claims use since Oct. 6, 1922.

178,429. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HONEYWELL HEATING SPECIALTIES COMPANY, Wabash, Ind. Filed Feb. 1, 1923. Serial No. 175,397.

FURNACE STAT

Particular description of goods.—Temperature and Draft Regulating and Controlling Instruments in the Form of Thermostats.
Claims use since July 1, 1922.

178,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. MURDOCK MFG. CO., Kansas City, Mo. Filed Feb. 9, 1923. Serial No. 175,804.

CLEAR-RICH

Particular description of goods.—Coffee.
Claims use since Nov. 8, 1922.

178,431. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GARDEN CITY FEEDER CO., Pella, Iowa. Filed Mar. 31, 1923. Serial No. 178,883.

GARDEN CITY

Particular description of goods.—Weighers.
Claims use since September, 1922.

178,432. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CUSTER SPECIALTY COMPANY, Dayton, Ohio. Filed Dec. 11, 1922. Serial No. 173,179.

CUSTER

Particular description of goods.—Electric Vehicles—Namely, Pleasure Cars and Industrial Trucks.
Claims use since June 3, 1920.

178,433. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GARDEN CITY FEEDER CO., Pella, Iowa. Filed Jan. 18, 1923. Serial No. 174,731.

GARDEN CITY

Particular description of goods.—Agricultural Machinery—Namely, Grain Feeders and Parts Thereof.
Claims use since April, 1901.

178,434. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISABELLA BLUE, Savannah, Ga. Filed Sept. 25, 1923. Serial No. 186,207.

MME. BLUE'S

Particular description of goods.—Scalp-Cleaner Shampoo, Special Hair Grower, Hot Tar-Oil Treatment for the Scalp, Temple Grower, and Hair Straightener.
Claims use since Oct. 21, 1921.

178,435. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NATIONAL LOCK WASHER COMPANY, Newark, N. J. Filed Oct. 3, 1923. Serial No. 186,520.

National

Particular description of goods.—Railroad-Car Window and Vestibule Equipment—Namely, Curtain Fixtures, Sash Lifts, Sash Balances, Curtain Rollers, Sash Face Springs, Compression Cams, and Antirattlers.
Claims use since January, 1900.

178,436. (CLASS 17. TOBACCO PRODUCTS.) STEINMEYER BROTHERS, doing business as The Tobacco Shop, Hartford, Conn. Filed Sept. 15, 1922. Serial No. 169,514.

Tobacco SHOP

Particular description of goods.—Smoking and Chewing Tobacco, Cigarettes, and Cigars.
Claims use since January, 1921.

178,437. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 19, 1923. Serial No. 185,920.

JOHNSON

Particular description of goods.—Valves, Nozzles, Discharge Regulators, and Control Means Therefor, and Parts of Said Valves, Nozzles, Discharge Regulators, and Control Means, for Fluid Pipes and Mains.
Claims use since June 29, 1921.

178,438. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WILKINSON BROS. & CO. INC., New York, N. Y. Filed July 15, 1921. Serial No. 150,418.

Panama

Particular description of goods.—Cigarette Paper and Cigarette Tubes Made of Paper.
Claims use since 1905.

178,439. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE AMERTEX MILLS, INC., Bridgeport, Conn., and New York, N. Y. Filed Mar. 18, 1922. Serial No. 160,851.

Arctic-Seal

Particular description of goods.—Pile Fabric in the Piece.
Claims use since Sept. 15, 1921.

178,440. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Feb. 16, 1921. Serial No. 143,663.

"SIBERIAN-FUR"

Particular description of goods.—Pile Fabric in the Piece.
Claims use since Jan. 18, 1921.

178,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHGROVE-JASMINE CITRUS ASSN., Terra Belle, Calif. Filed Jan. 20, 1923. Serial No. 174,861.

FIRST CLASS

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 1, 1922.

178,442. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MILLER RUBBER COMPANY, Akron, Ohio. Filed Oct. 16, 1922. Serial No. 170,776.

WEDGE TREAD

Particular description of goods.—Rubber and Rubber and Fabric Tires.
Claims use since Aug. 3, 1922.

178,443. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS NOT INCLUDING ELECTRICAL APPARATUS.) BUNTING IRON WORKS, San Francisco, Calif. Filed Dec. 11, 1922. Serial No. 173,174.

SIMPLEX

Particular description of goods.—Oil Burners and Oil-Burning Furnaces of All Kinds.
Claims use since March, 1911.

178,444. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SULLIVAN MACHINERY COMPANY, Boston, Mass., and Chicago, Ill. Filed Sept. 1, 1922. Serial No. 168,986.

HY-SPEED

Particular description of goods.—Percussive Drills.
Claims use since July 3, 1922.

178,445. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SULLIVAN MACHINERY COMPANY, Boston, Mass., and Chicago, Ill. Filed Sept. 1, 1922. Serial No. 168,988.

IRONCLAD

Particular description of goods.—Mining Machines.
Claims use since Jan. 1, 1921.

178,446. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SMITH-LEE COMPANY, Oneida, N. Y. Filed May 1, 1922. Serial No. 163,185.

PERFECTION

Particular description of goods.—Closures for Bottles and Jars.
Claims use since Mar. 27, 1919.

178,447. (CLASS 23. CUTLERY, MACHINEY, AND TOOLS, AND PARTS THEREOF.) WILLIAM H. FOOTE, doing business as T. H. Bullock Manufacturing Co., Cleveland, Ohio. Filed June 29, 1922. Serial No. 166,225.

BULLOCK BELLOWS

Particular description of goods.—Bellows.
Claims use since June 17, 1922.

178,448. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH J. KLEINER & CO., New York, N. Y. Filed Aug. 21, 1922. Serial No. 168,532.

PARAMOUNT

Particular description of goods.—Clinical Thermometers, Hypodermic Needles, Hypodermic Syringes, Sputum-Cup Refills, Sputum-Cup Holders, Blood-Counting Pipettes, Blood-Counting Chambers; Hospital Rubber Goods, Including Surgeons' Gloves, Hot-Water Bottles, Ice Caps, Sheeting, Catheters, Rectal Tubes, Colon Tubes, Stomach Tubes, Rubber Tubing, Operating Pads, Invalid Rings; Hospital Glassware, Including Glass Urinals, Rectal Tips, Vaginal Tips, Drinking Tubes, Gruel Tubes, Murphy Drips; Hospital Enamelware, Including Bedpans, Douche Pans, Urinals, Irrigators, Pus Basins; Sutures, Including Silkworm Gut, Catgut, Etc.; Wood Applicators, Wood Tongue Blades.
Claims use since about Feb. 1, 1922.

178,449. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TOLEDO SCALE COMPANY, Jersey City, N. J., and Toledo, Ohio. Filed June 23, 1921. Serial No. 149,563.

HONEST-WEIGHT

Particular description of goods.—Weighing Scales, Weighing Machines, Counting Machines, Dynamometers, and Parts Thereof.
Claims use since about Jan. 1, 1909.

178,450. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BELL & ZOLLER COAL AND MINING COMPANY, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 188,227.

ZEIGLER
MUCH HOTTER AND CLEANER
ZEIGLER

Particular description of goods.—Coal and Coke.
Claims use since January, 1913.

178,451. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE T. MURPHY, Cleveland, Ohio. Filed Oct. 29, 1923. Serial No. 187,635.

MURPHY'S
UNEQUALED

Particular description of goods.—Polishes for Painted, Varnished, and Lacquered Surfaces.
Claims use since May, 1916.

178,452. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GAMMONS-HOLMAN COMPANY, Manchester, Conn. Filed Oct. 24, 1923. Serial No. 187,416.

GAMMONS

Particular description of goods.—Milling Tools and Reamers.
Claims use since April, 1919.

178,453. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. KLIPSTEIN AND COMPANY, New York, N. Y. Filed Oct. 19, 1923. Serial No. 187,221.

GLYCRO-ESTER

Particular description of goods.—Synthetic Gum Used in Paints and Varnishes.
Claims use since Oct. 8, 1918.

178,454. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 187,059.

Roanoke

Particular description of goods.—Canned Fruits, Fish, and Vegetables; Dried Fruits.
Claims use since 1903.

178,455. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 15, 1923. Serial No. 187,002.

PERFECTION

Particular description of goods.—Sprayers and Parts Thereof.
Claims use since Jan. 1, 1905.

178,456. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Oct. 15, 1923. Serial No. 186,997.

FAVORITE

Particular description of goods.—Sprayers and Parts Thereof.
Claims use since Jan. 1, 1915.

178,457. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM B. & JOHN E. BOICE, Toledo, Ohio. Filed Oct. 3, 1923. Serial No. 186,494.

BOICE
BUILT

Particular description of goods.—Saws, Motor-Driven Bench Drills, Jointers, Band Saws, and Internal-Combustion Engines.
Claims use since Sept. 15, 1922.

178,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EXETER ORANGE GROWERS ASSOCIATION, Exeter, Calif. Filed Oct. 10, 1923. Serial No. 186,780.

EXETER

Particular description of goods.—Fresh Oranges and Fresh Grapes.
Claims use since about September, 1911.

178,459. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt. Filed Oct. 11, 1923. Serial No. 186,832.

FAIRBANKS SCALES
TYPE S TRACK SCALE

Particular description of goods.—Weighing Machines and Parts Thereof.
Claims use since about Jan. 1, 1922.

178,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PATRICK ORCHARDS, Stuart, Va. Filed Oct. 8, 1923. Serial No. 186,719.

PATRICK APPLES

Particular description of goods.—Apples in Their Natural State.
Claims use since July 20, 1923.

178,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGINIA ATWOOD ORCHARD COMPANY, INC., Stuart, Va. Filed Oct. 8, 1923. Serial No. 186,732.

ATWOOD APPLES

Particular description of goods.—Apples in Their Natural State.
Claims use since June 20, 1923.

178,462. (CLASS 12. CONSTRUCTION MATERIALS.) PAUL L. STUEBER, doing business as Slatecraft Studios, Boston, Mass. Filed Aug. 13, 1923. Serial No. 184,430.

SLATECRAFT

Particular description of goods.—Roofing Slate, Floors, Copings, Steps, Stairs, Borders, Edgings, Flagstones, Stepping-Stones, Garden Pavements, Walks, Pier Caps, Fireplace Facings, Pavements, Mantels, Hearths, Fireplaces, and Floor Tiles.

Claims use since Mar. 15, 1920.

178,463. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE INTERNATIONAL POSTAL SUPPLY COMPANY OF NEW YORK, Brooklyn, N. Y. Filed Aug. 22, 1923. Serial No. 184,857.

THE INTERNATIONAL POSTAL SUPPLY CO. OF NEW YORK 634 PROSPECT PLACE, BROOKLYN, N.Y. MODEL K No.

Particular description of goods.—Check-Indorsing Machines.

Claims use since January, 1915.

178,464. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALBERGER PUMP AND CONDENSER COMPANY, New York, N. Y. Filed Aug. 25, 1923. Serial No. 184,952.

ALBERGER

Particular description of goods.—Surface, Low-Level Jet and Barometric Condensers; Dry-Air Pumps, Steam-Jet and Rotative Types; Centrifugal Pumps, Water-Cooling Towers, Steam Turbines, Heaters and Coolers for Various Liquids, Heat Exchangers, All for Various Liquids, Fluids, and Gases and Including Those Operating on the Counter-Fluid-Current Principle, the Parallel Flow System, and Other Systems.

Claims use since December, 1901.

178,465. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALTHAM MACHINE WORKS, Waltham, Mass. Filed Sept. 20, 1923. Serial No. 185,997.

WALTHAM

Particular description of goods.—Pinion and Gear Cutting Machines, Lathes and Attachments, Milling Machines and Attachments, Filing Machines, Automatic Roughing Machines, Punches and Dies, and Relieving Machines for Cutters.

Claims use since Jan. 1, 1922.

178,466. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REINA BROTHERS & COMPANY, Ybor City, Tampa, Fla. Filed Aug. 3, 1923. Serial No. 184,040.



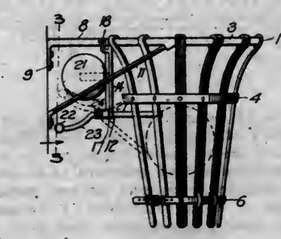
Particular description of goods.—Cottonseed Salad Oil Flavored with Pure Olive Oil.

Claims use for not less than one year.

REISSUES

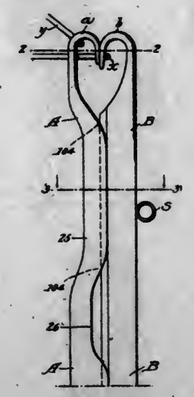
JANUARY 8, 1924.

15,739. BASKET-BALL GOAL INDICATOR. RICHARD JACKSON, Jr., San Francisco, Calif., assignor of one-third to Allyn R. Reese and one-third to James W. Douglas, both of Denver, Colo. Filed Feb. 20, 1922. Serial No. 538,119. Original No. 1,381,466, dated June 14, 1921, Serial No. 441,581, filed Feb. 1, 1921. 13 Claims. (Cl. 116—67.)



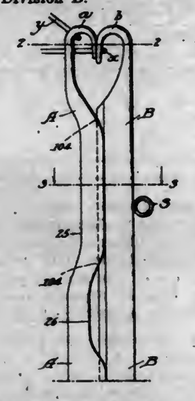
1. The combination with a basket ball basket comprising a ring and a basket depending therefrom, of a goal indicator having a frame secured to said ring, a gong on said frame, and a lever fulcrumed on the frame, one end of the lever extending into the basket and the other end being adapted to sound the gong.

15,740. KNITTING-MACHINE NEEDLE. ROBERT W. SCOTT, Babylon, N. Y. Filed Apr. 30, 1923. Serial No. 635,715. Original No. 1,385,929, dated July 26, 1921, Serial No. 378,233, filed May 1, 1920. 17 Claims. (Cl. 66—5.) Division A.



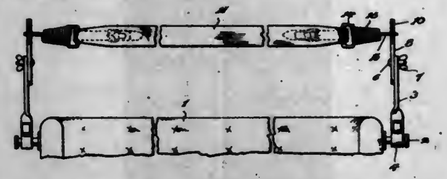
17. A knitting machine needle in two parts in sliding relation to each other and having return bend hooked operating ends with the open sides of the hooks facing each other without overlapping in the direction of the plane in which the hooks lie, and one hook adapted to enter a loop held by the other part, and take said loop from the latter.

15,741. KNITTING-MACHINE NEEDLE. ROBERT W. SCOTT, Babylon, N. Y. Filed Apr. 30, 1923. Serial No. 635,716. Original No. 1,385,929, dated July 26, 1921, Serial No. 378,233, filed May 1, 1920. 4 Claims. (Cl. 66—5.) Division B.



1. A knitting machine needle in two parts in sliding relation to each other, one of said parts having an offset 26 for the purpose of accommodating the old loop when said needle part is projected out of knitting position.

15,742. HEADREST FOR MOTORISTS. JOHN ICKENROTH, Richmond Heights, Mo. Filed June 1, 1923. Serial No. 642,855. Original No. 1,445,689, dated Feb. 20, 1923, Serial No. 534,169, filed Feb. 4, 1922. 4 Claims. (Cl. 155—174.)

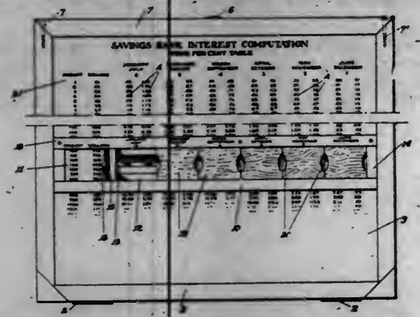


2. A headrest for vehicle seats comprising supporting devices mounted at fixed points adjacent the ends and back of the seat and including bracket bars rising above and free of the ends and back of the seat and provided with series of notches in their upper end portions, a flexible head-supporting member disposed between the upper ends of said bracket bars, and elastic members carried by the ends of the head-supporting member and freely engageable in the notches in the bracket bars.

15,743. SAVINGS-BANK INTEREST INDICATOR. HARRY S. MOIR, Chico, Calif. Filed June 18, 1923. Serial No. 646,264. Original No. 1,383,227, dated June 28, 1921, Serial No. 384,037, filed May 25, 1920. 8 Claims. (Cl. 235—69.)

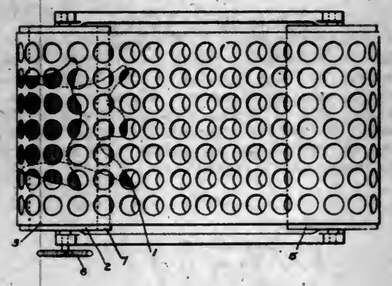
1. A savings account interest sheet comprising a pair of parallel amount dollars columns of numerals, the numerals of one column being differentiated from the numerals of the other column and the numerals of said

columns being in horizontal line, a plurality of parallel differentiated numeral columns parallel with said pair of columns, the numerals of the plural columns being in horizontal plane with each other and with the numerals of the pair of columns, the plural columns alternating with each other in differentiating numerals, said plural columns having the names of the months of a year as-



sembled at the head thereof, and a vertically movable slotted holder including a plurality of transversely movable gates, one gate adapted to serve as an indicator within the slot of said holder, said gates being adapted to be moved from one of the months columns to another according to the date of deposits and to provide for adjusting the indicator according to the amount.

15,744. PROCESS OF GAUGING LEATHER. MARTIN H. REYMOND, Binghamton, N. Y. Filed Feb. 15, 1923. Serial No. 619,286. Original No. 1,437,683, dated Dec. 5, 1922, Serial No. 491,633, filed Aug. 11, 1921. 9 Claims. (Cl. 33—121.)



1. The process of determining the cutting quality of leather, consisting of, indicating over its surface regular-sized regularly-spaced areas, inspecting these areas in accordance with some fixed standard as to allowable imperfections, and, from the area of the leather and from the number of areas determined as the result of such inspection computing an index number as to the cutting quality.

DESIGNS

JANUARY 8, 1924.

63,706. PRINTED FABRIC. LEO BLUHM, New York, N. Y., assignor to Phoenix Manufacturing Co. Inc., New York, N. Y., a Corporation of New York. Filed July 5, 1923. Serial No. 6,680. Term of patent 3½ years.



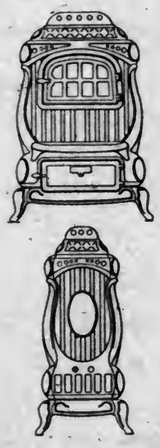
The ornamental design for a printed fabric substantially as shown and described.

63,707. RIBBON OR SIMILAR ARTICLE. OLIVE BUSHNELL, New York, N. Y., assignor to Johnson-Cowdin-Emmerich, Inc., New York, N. Y., a Corporation of New York. Filed June 6, 1923. Serial No. 6,424. Term of patent 3½ years.



The ornamental design for a ribbon or similar article substantially as shown.

63,708. COAL HEATER. LESLIE DANA, St. Louis, Mo. Filed Oct. 2, 1923. Serial No. 7,379. Term of patent 14 years.



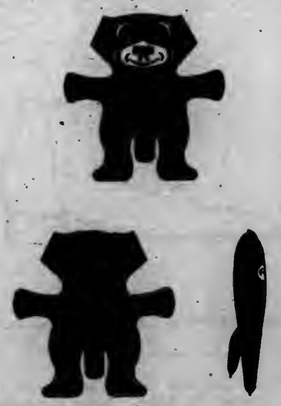
The ornamental design for a coal heater, as shown.

63,709. FANCY BAG. HETTIE J. DUDLEY, Richmond, Va. Filed Apr. 7, 1923. Serial No. 5,717. Term of patent 14 years.



The ornamental design for fancy bag as shown.

63,710. DOLL. MICHAEL JOHN DUFF, Bridgeport, Conn. Filed Nov. 4, 1922. Serial No. 4,220. Term of patent 3½ years.



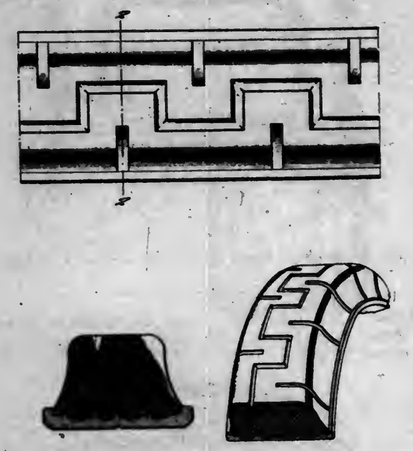
The ornamental design for a doll, as shown.

63,711. FINGER RING OR ARTICLE OF SIMILAR NATURE. LOUIS FIEDLER, New York, N. Y., assignor to Benjamin Gross Company, Inc., New York, N. Y., a Corporation of New York. Filed July 28, 1923. Serial No. 6,888. Term of patent 3½ years.



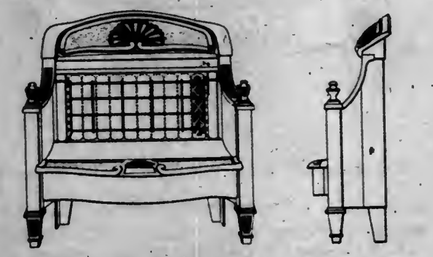
The ornamental design for a finger ring or article of similar nature as shown.

63,712. SOLID TIRE. FRED D. FOWLER, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Company of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,584. Term of patent 14 years.



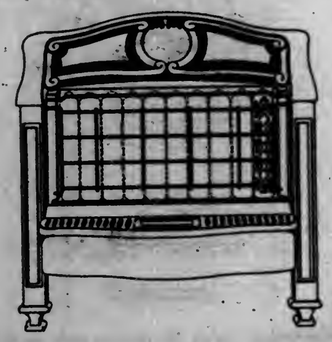
The ornamental design for a solid tire as shown.

63,713. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio, assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio, a Corporation of Ohio. Filed Aug. 1, 1923. Serial No. 6,919. Term of patent 14 years.



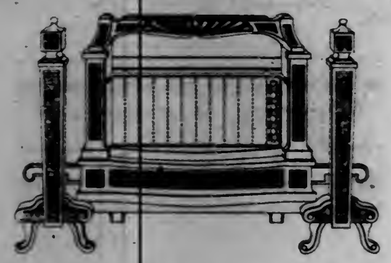
The ornamental design for a gas heater, as shown.

63,714. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio. Filed Aug. 6, 1923. Serial No. 6,946. Term of patent 14 years.



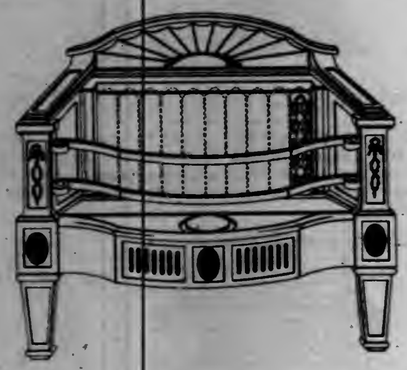
The ornamental design for a gas heater, as shown.

63,715. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio. Filed Aug. 3, 1923. Serial No. 6,947. Term of patent 14 years.



The ornamental design for a gas heater, as shown.

63,716. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio. Filed Aug. 3, 1923. Serial No. 6,948. Term of patent 14 years.



The ornamental design for a gas heater, as shown.

63,717. COVERED DISH. MARK A. HALEY, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 4,438. Term of patent 14 years.



The ornamental design for covered dish, substantially as shown.

63,718. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,288. Term of patent 7 years.



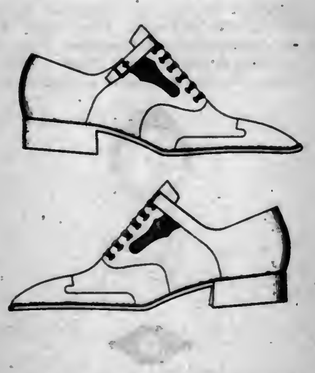
The ornamental design for a shoe, as shown.

63,719. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,289. Term of patent 7 years.



The ornamental design for a shoe, as shown.

63,720. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,290. Term of patent 7 years.



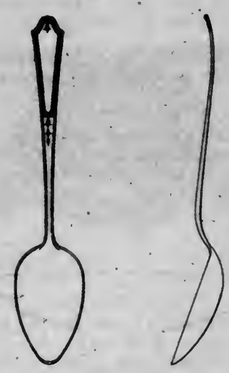
The ornamental design for a shoe, as shown.

63,721. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,292. Term of patent 7 years.



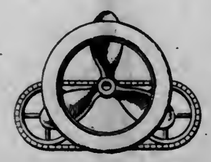
The ornamental design for a shoe, as shown.

63,722. SPOON OR SIMILAR ARTICLE. ALFRED G. KINTZ, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 23, 1923. Serial No. 4,972. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

63,723. SIGN OR SIMILAR ARTICLE. PAUL B. LUM, Washington, D. C., assignor to Washington Automotive Trade Association, Washington, D. C., an Association of the District of Columbia. Filed Dec. 29, 1922. Serial No. 4,748. Term of patent 14 years.



The ornamental design for sign or similar article, as shown.

63,724. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Federal Glass Company, a Copartnership of California. Filed Aug. 28, 1923. Serial No. 7,111. Term of patent 14 years.



The ornamental design for a bottle, as shown.

63,725. SHIELD FOR ELECTRIC-LAMP SOCKET. PAUL MOHRMANN, Chicago, Ill., assignor to Friedley Voshardt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1923. Serial No. 5,449. Term of patent 7 years.



The ornamental design for a shield for electric lamp socket, as shown.

63,726. CABINET. EDMUND MORRIS, Grand Rapids, Mich. Filed Sept. 27, 1921. Serial No. 503,617. Term of patent 3½ years.



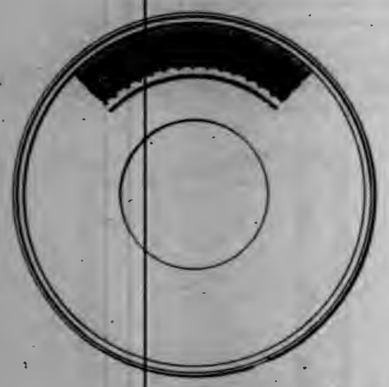
The ornamental design for a cabinet, as shown.

63,727. CABINET. EDMUND MORRIS, Grand Rapids, Mich. Filed Sept. 27, 1921. Serial No. 503,618. Term of patent 3½ years.



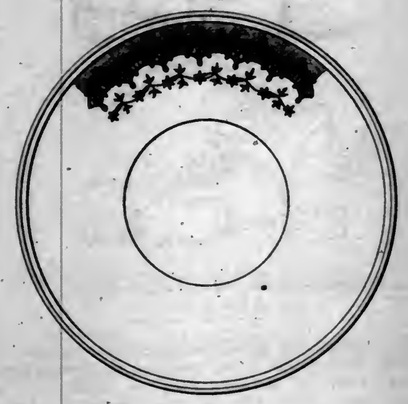
The ornamental design for a cabinet as shown.

63,728. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1922. Serial No. 4,528. Term of patent 7 years.



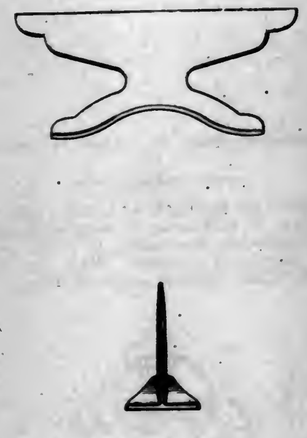
The ornamental design for a plate or analogous article, substantially as shown and described.

63,729. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1922. Serial No. 4,529. Term of patent 7 years.



The ornamental design for a plate or analogous article substantially as shown and described.

63,730. DISPLAY REST FOR SHOES OR THE LIKE. HENRY J. NUTRIZIO, New York, N. Y. Filed Apr. 12, 1922. Serial No. 1,695. Term of patent 3½ years.



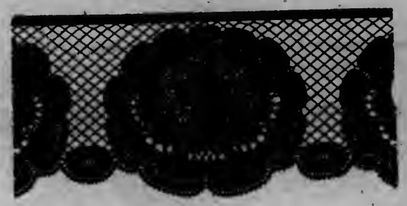
The ornamental design for a display rest for shoes or the like as shown.

63,731. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed July 19, 1923. Serial No. 6,809. Term of patent 14 years.



The ornamental design for lace substantially as shown.

63,732. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Aug. 9, 1923. Serial No. 6,989. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

63,733. RIBBON OR SIMILAR ARTICLE. ANTONIO PETRUCCELLI, New York, N. Y., assignor to Johnson-Cowdin-Emmerich, Inc., New York, N. Y., a Corporation of New York. Filed June 6, 1923. Serial No. 6,426. Term of patent 3½ years.



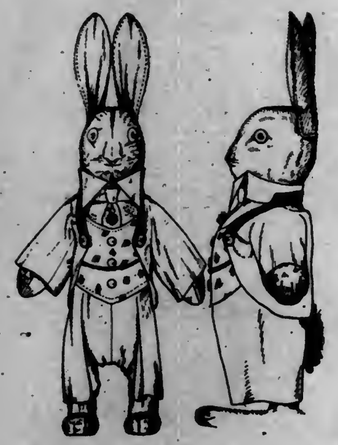
The ornamental design for a ribbon or similar article substantially as shown.

63,734. PERFUME BOTTLE. LOUIS PHILIPPE, New York, N. Y. Filed Aug. 31, 1923. Serial No. 7,130. Term of patent 3½ years.



The ornamental design for a perfume bottle as shown.

63,735. TOY RABBIT. LOLA L. PRIBBLE, Twin Falls, Idaho. Filed Apr. 1, 1922. Serial No. 1,486. Term of patent 7 years.



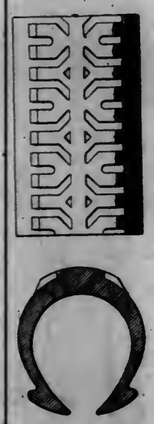
The ornamental design for a toy rabbit as shown.

63,736. CANDLESTICK. ALFRED E. REYNOLDS, Danbury, Conn. Filed Oct. 2, 1923. Serial No. 7,880. Term of patent 3½ years.



The ornamental design for a candlestick as shown.

63,737. TIRE TREAD. THOMAS G. RICHARDS, Spokane, Wash. Filed Apr. 27, 1923. Serial No. 5,971. Term of patent 7 years.



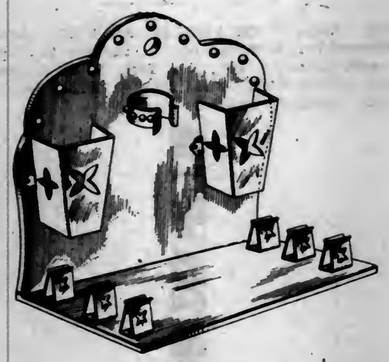
The ornamental design for a tire tread, as shown.

63,738. TIRE. JOHN A. SCHEID, Roxborough, Pa. Filed June 26, 1922. Serial No. 2,829. Term of patent 14 years.



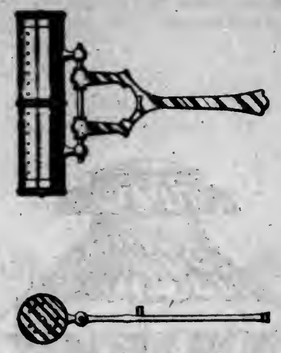
The ornamental design for a tire as shown.

63,739. HOLDER FOR TOILET ARTICLES. HARRY L. SCHROEDER, Aspinwall, Iowa. Filed June 7, 1923. Serial No. 6,438. Term of patent 7 years.



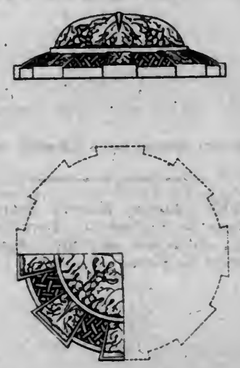
The ornamental design for a holder for toilet articles, as shown.

63,740. CONDIMENT HOLDER. LORENZO D. SCOTT, East Machias, Me. Filed Oct. 4, 1923. Serial No. 7,391. Term of patent 3½ years.



The ornamental design for a condiment holder, as shown.

63,741. PEDESTAL BASE, LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Mfg. Company, a Corporation of Illinois. Filed Sept. 14, 1923. Serial No. 7,201. Term of patent 3½ years.



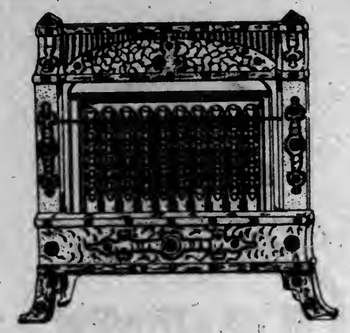
The ornamental design for a pedestal base as shown.

63,742. LACE. BARNET SHAPIRO, Brooklyn, N. Y. Filed June 4, 1923. Serial No. 6,879. Term of patent 7 years.



The ornamental design for lace, as shown.

63,743. GAS HEATER. ALEXANDER B. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 5,599. Term of patent 7 years.



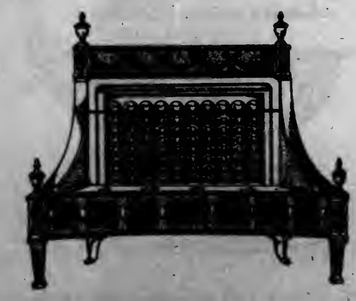
The ornamental design for a gas heater, as shown.

63,744. GAS HEATER. ALEXANDER B. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 5,600. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

63,745. GAS HEATER. ALEXANDER B. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 5,601. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

63,746. HUMIDOR. FREDERICK S. STAFFORD, Chicago, Ill., assignor to Herbert A. Hover, Lewistown, Mont. Filed July 16, 1923. Serial No. 6,786. Term of patent 14 years.



The ornamental design for a humidor, as shown.

63,747. HUMIDOR. FREDERICK S. STAFFORD, Chicago, Ill., assignor to Herbert A. Hover, Lewiston, Mont. Filed July 19, 1923. Serial No. 6,803. Term of patent 14 years.



The ornamental design for a humidor, as shown.

63,748. HUMIDOR. FREDERICK S. STAFFORD, Chicago, Ill., assignor to Herbert A. Hover, Lewistown, Mont. Filed July 19, 1923. Serial No. 6,804. Term of patent 14 years.



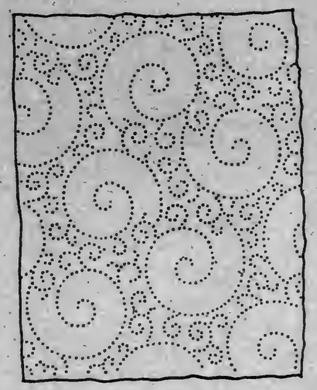
The ornamental design for a humidor as shown.

63,749. CHAIR. ALFRED HORNER STRINGS, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 20, 1923. Serial No. 4,946. Term of patent 3½ years.



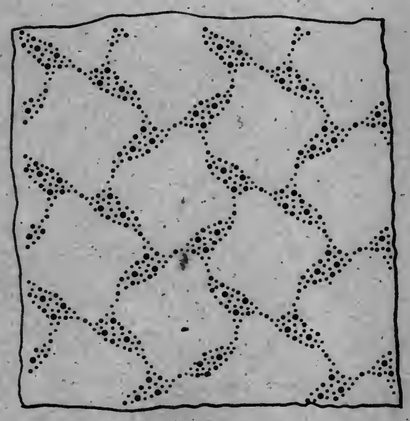
The ornamental design for a chair, as shown.

63,750. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 3,412. Term of patent 3½ years.



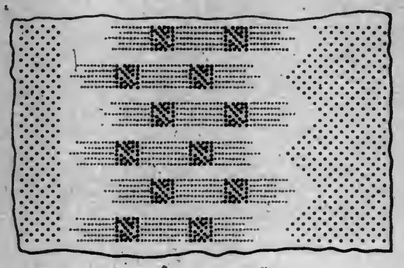
The ornamental design for flocked voile fabric, as shown.

63,751. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 3,423. Term of patent 3½ years.



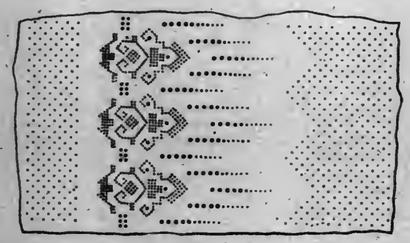
The ornamental design for flocked voile fabric, as shown.

63,752. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1923. Serial No. 7,056. Term of patent 3½ years.



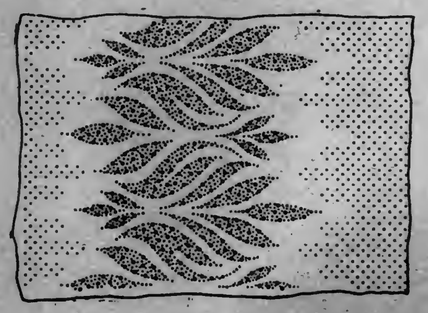
The ornamental design for flocked voile fabric, as shown.

63,753. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1923. Serial No. 7,057. Term of patent 3½ years.



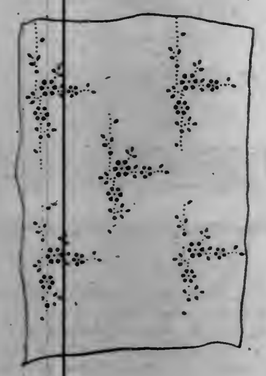
The ornamental design for flocked voile fabric, as shown.

63,754. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1923. Serial No. 7,058. Term of patent 3½ years.



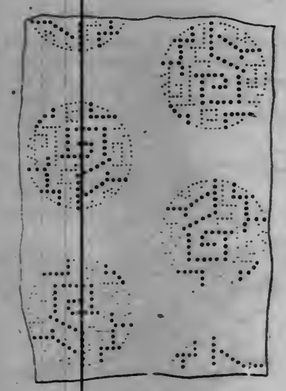
The ornamental design for flocked voile fabric, as shown.

63,755. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,236. Term of patent 3½ years.



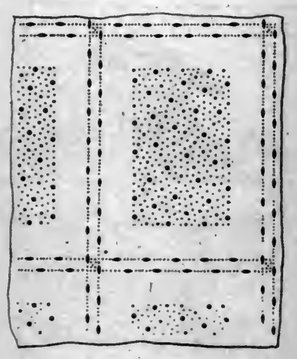
The ornamental design for flocked voile fabric, as shown.

63,756. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,237. Term of patent 3½ years.



The ornamental design for flocked voile fabric, as shown.

63,757. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,238. Term of patent 3½ years.



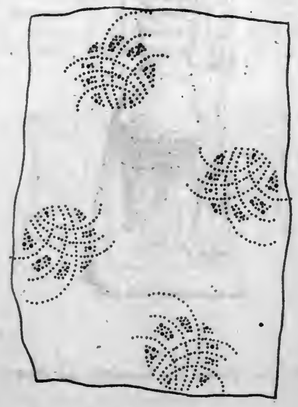
The ornamental design for flocked voile fabric, as shown.

63,758. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,239. Term of patent 3½ years.



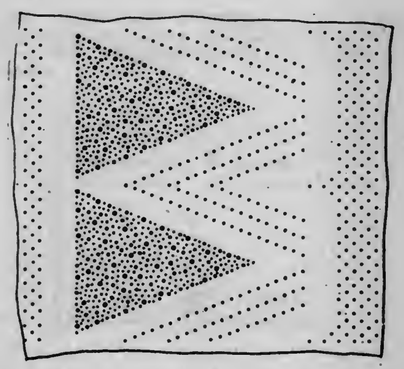
The ornamental design for flocked voile fabric, as shown.

63,759. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,240. Term of patent 3½ years.



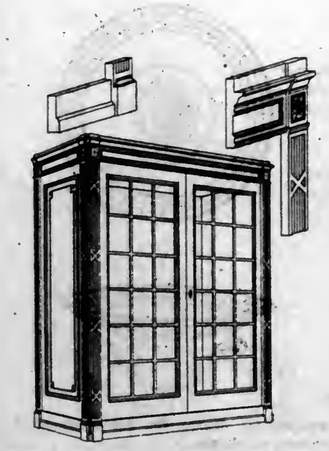
The ornamental design for flocked voile fabric, as shown.

63,760. FLOCKED VOILE FABRIC. EDWARD B. VANDERGAW, Brooklyn, and JULES HEINRICH, New York, N. Y., assignors to Fred Butterfield & Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 7,243. Term of patent 3½ years.



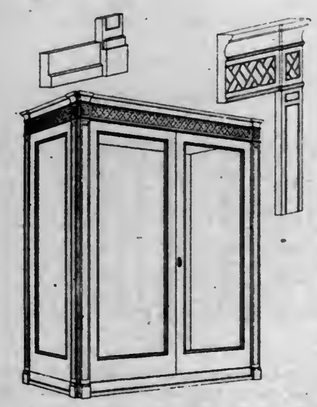
The ornamental design for flocked voile fabric, as shown.

63,761. CABINET. KENNETH WELCH, Grand Rapids, Mich. Filed Sept. 27, 1921. Serial No. 503,619. Term of patent 3½ years.



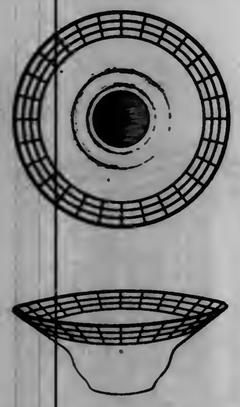
The ornamental design for a cabinet, as shown.

63,762. CABINET. KENNETH WELCH, Grand Rapids, Mich. Filed Sept. 27, 1921. Serial No. 503,620. Term of patent 3½ years.



The ornamental design for a cabinet, as shown.

63,763. ORNAMENTAL BOWL OR SIMILAR ARTICLE. CHARLES H. WEBB, Pittsburgh, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1922. Serial No. 262. Term of patent 3½ years.



The ornamental design for an ornamental bowl or similar article, as shown.

63,764. STATUE. LEE WOODWARD ZEIGLER, New Windsor, Newburgh, N. Y. Filed Mar. 21, 1923. Serial No. 5,552. Term of patent 3½ years.

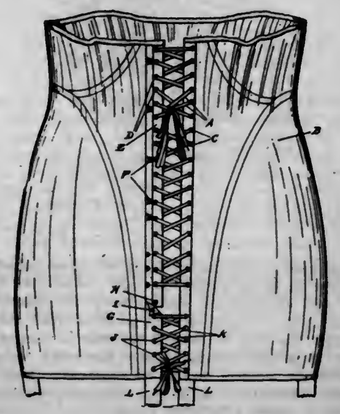


The ornamental design for a statue, as shown.

PATENTS

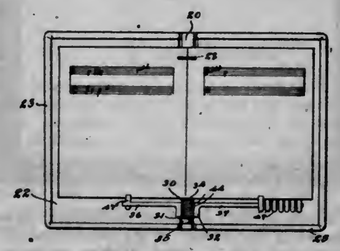
GRANTED JANUARY 8, 1924.

1,479,780. CORSET. WILLIAM F. ALBERT, Detroit, Mich., assignor to American Lady Corset Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 24, 1919. Serial No. 284,811. 3 Claims. (Cl. 2—74.)



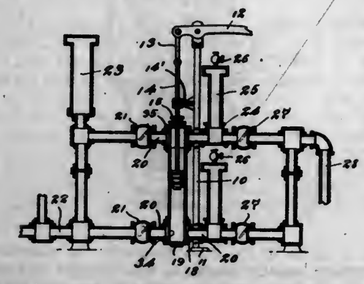
3. A corset comprising a body member having adjacent vertical edges at the front thereof, a strip detachably secured to one of said edges, a lacing connecting said strip to the other of said edges, a flap projecting from the edge to which said strip is detachably secured, said flap forming an extension of said strip beneath the same, means detachably engaging the upper edge of said flap with the lower edge of said strip, and hose supporting members attached to said flap and to the corresponding opposed edge portion of the body member.

1,479,781. MUSIC-LEAF TURNER. ALIPIO C. BARTHOLO and MANUEL PERRY, New Bedford, Mass. Filed Feb. 15, 1921. Serial No. 445,124. 2 Claims. (Cl. 84—489.)



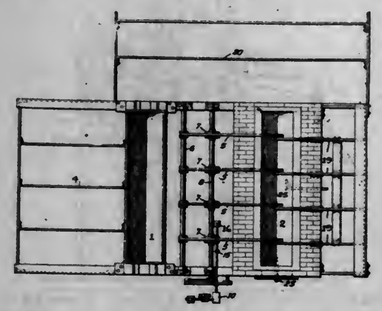
1. In a music-leaf turner, a back element comprising a tube rectangular in cross section, music retaining means on the front thereof, the front part of the tube at the lower end being turned outwardly to form an upper pivot ear, the rear part of said tube being turned in a similar direction at a lower level to form a lower pivot ear, the sides of said tube being extended a distance below the last named ear, means engaged with the tube to support it above a music rest, a pintle engaged in said ears, and music turning arms pivoted thereon.

1,479,782. PUMP. ELBERT W. BARTON, Binghamton, N. Y. Filed Aug. 24, 1921. Serial No. 494,997. 1 Claim. (Cl. 103—216.)



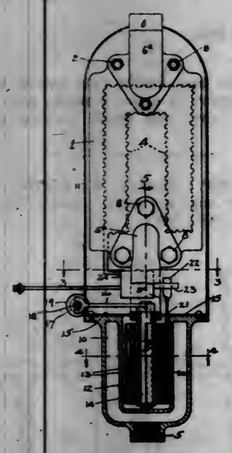
In a pump for liquids, a cylinder mounting including end fittings fixedly connected, a cylinder mounted therein in removable inserted relation, at least one of the fittings having an opening therethrough receiving the cylinder slidably therethrough, a cap member screwed into the outer side of the opening and against the end of the cylinder for retention and support thereof, a lateral conduit connection being provided on the fitting, communication being formed between the connection and the interior of the cylinder.

1,479,783. SOLDERING APPARATUS. FRANK F. BENTLEY, Warren, Ohio. Filed Dec. 3, 1921. Serial No. 519,571. 9 Claims. (Cl. 113—78.)



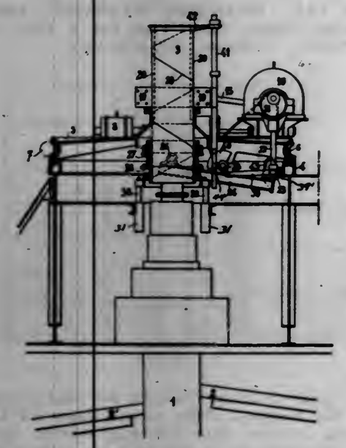
1. In apparatus of the character described in combination, a flux trough, a solder pot and means for heating the same, parallel ways extending between the flux trough and solder pot to support a can while it is slid from the trough to the pot arranged to guide the can to soldering position over the soldering pot with a joint down, and means under control of the operator for causing a relative movement between the ways and solder pot to bring the same together to dip the can joint into the solder.

1,479,784. THERMOSTATIC CONTROL DEVICE. CYRUS M. BOSWORTH, Lakewood, and ALOYSIUS G. BOSSEL, Cleveland Heights, Ohio. Filed Aug. 23, 1920. Serial No. 405,530. 5 Claims. (Cl. 297—16.)



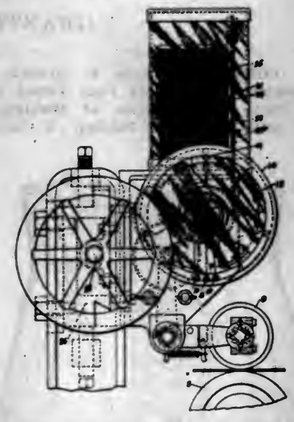
4. In a device of the class described, the combination of a suitable chamber having a well adapted to contain a body of liquid, a spindle vertically mounted in said well, a thermo-sensitive element consisting of a sheet-metal coil attached at its inner end to said spindle, and a bar attached to the outer end of said coil, one such end of said coil being normally held stationary and the other being free to move, the length of said coil axially being greater than its width.

1,479,785. HELICAL-HEARTH FURNACE. EMILE BRACQ-LAURENT, Paris, France. Filed Apr. 20, 1922. Serial No. 555,755. 5 Claims. (Cl. 259—144.)



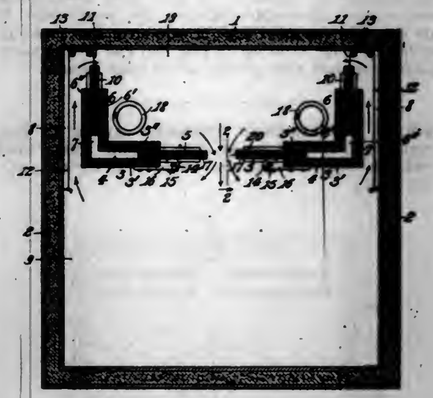
1. In a furnace with a helical hearth having a central shaft, a rotating platform, and scraper arms, means producing the angular movement and the up and down movement of the central shaft, comprising a single spindle driven by an electric motor mounted on the rotating platform of the furnace.

1,479,786. PROCESS OF PAPER MANUFACTURING. EDWARD H. BUTTERFIELD and FERDINAND D. OTTENBEIN, Middletown, Ohio, assignors to Tom Harvey, jr., Middletown, Ohio. Filed May 12, 1919. Serial No. 296,668. 9 Claims. (Cl. 92—46.)



1. The herein described process of paper manufacturing consisting in delivering the raw material to the wet end of the machine in substantially the quantity required to form a paper web of predetermined thickness, in causing the web so formed to come in contact with a metering instrument to actuate the same to produce indications to make a record of the mean thickness of the paper showing the plus and minus variations therefrom and to cause automatic regulation of its thickness.

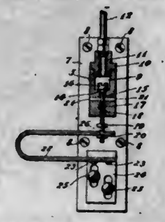
1,479,787. REFRIGERATOR. WILLIAM M. CLEMANS, Wheeling, W. Va. Filed Feb. 14, 1921, Serial No. 444,957. Renewed June 25, 1923. 5 Claims. (Cl. 62—96.)



1. In a refrigerator, a casing, companion decks partially separating the interior of the casing into an upper cooling chamber and a lower storage chamber, said decks being relatively spaced to provide an intermediate air circulation passage between said chambers, said decks being also spaced from the opposite side walls of said casing to provide side passages, bridges superposed on said decks and spaced from the top of the casing to form intermediate passages, panels slidably disposed within said decks and adapted for movement toward and away from each other for closing or partially closing said

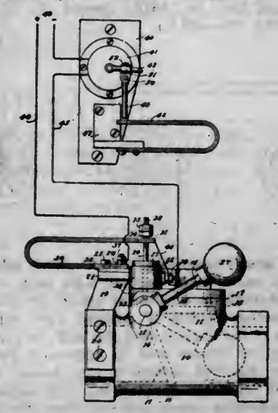
intermediate passage, and panels slidably disposed within said bridges and adapted for movement toward and away from the top of said casing for closing or partially closing said intervening passages.

1,479,788. FIRE EXTINGUISHER. GEORGE W. COLLIN, Bridgeport, Conn. Filed Mar. 10, 1922. Serial No. 542,560. 3 Claims. (Cl. 169—19.)



1. In a fire extinguisher, the combination with a base plate and chambered body portion having inlet and outlet ports, said outlet port having a valve seat, a valve normally engaging said seat and covering the outlet and provided with an external stem portion carrying longitudinally spaced apart stops, a resilient U-shaped thermo-plate secured at one end to the base plate and having its free end positioned intermediate said stops, being normally spaced from the innermost stop and engaging the outermost stop under pressure to yieldingly maintain the valve on its seat, and adapted to engage the innermost stop to raise the stem and its valve upon a predetermined expansion of said thermo-plate.

1,479,789. AUTOMATIC VALVE CUT-OFF. GEORGE W. COLLIN, Bridgeport, Conn. Filed May 31, 1922. Serial No. 564,692. 7 Claims. (Cl. 137—161.)

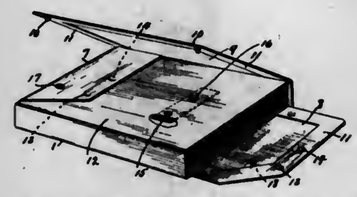


6. In combination, a valve, a thermostat having a movable part and adapted to cause the operation of the valve at a predetermined temperature, a high tension circuit connected to said thermostat and including a severable connection with said movable part, whereby a predetermined movement of said part will sever the connection and break the circuit, a switch in said circuit, and heat-sensitive means adapted to operate said switch at a predetermined temperature.

1,479,790. EVAPORATION-PREVENTING MANTLE. ALEX B. DAVIS, Cincinnati, Ohio, assignor of one-half to George Chamberlain, Decatur, Ill. Filed May 19, 1923. Serial No. 640,273. 7 Claims. (Cl. 23—11.)

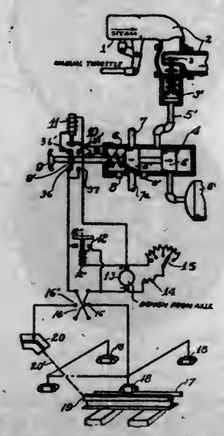
1. A foam mantle for the purpose described, formed by a blown mixture of a starch sugar, a hygroscopic salt, and a glycol.

1,479,791. SLIP-ON COVER FOR BOOKS AND THE LIKE. GUSTAV DEGENRING, Elizabeth, N. J. Filed June 15, 1922. Serial No. 568,380. 4 Claims. (Cl. 281—34.)



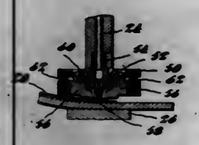
4. As an article of manufacture, a slip-on cover of extensible water-proof material provided with a pocket in one side thereof for receiving one cover of a book, foldable flaps at the other side of the slip-on cover adapted to be folded over upon each other to form another pocket for the other cover of the book, snap-fasteners for holding the flaps in this position, reinforcing means for securing the fasteners to the cover, said flaps being so disposed relatively to each other as to enable the same to be folded over about the book to entirely enclose the same and snap-fasteners for holding the flaps in this position.

1,479,792. ELECTRIC AUTOMATIC TRAIN-STOP SYSTEM. FRANK E. DELVIN, Leslie, Mich., and RAY B. DELVIN, Evanston, Ill. Filed Nov. 7, 1921. Serial No. 513,370. 3 Claims. (Cl. 246—67.)



1. Automatic stopping means for railway trains, comprising a pair of conductors disposed along the track, and on each train a direct current generator the speed and voltage of which varies with the train speed, brake applying means responsive to electric current, a reversing switch arranged to control the polarity of connections to said conductors, a switch normally open in use and responsive to decrease in voltage to short the circuit leading to said conductors, and circuit means connecting said generator, brake applying means, reversing switch and conductors in series.

1,479,793. MACHINE FOR INSERTING FASTENINGS. ALBIN C. EEK, Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 15, 1920. Serial No. 424,242. 24 Claims. (Cl. 1—5.)



8. In a machine for operating on perforated articles and comprising a tack-driving plunger and track-feeding means, a device to receive tacks from said means and position them below said plunger, said device having projections to enter the perforations to center them below tacks to be driven therethrough, and being constructed and arranged to withdraw the projections as the tacks are driven.

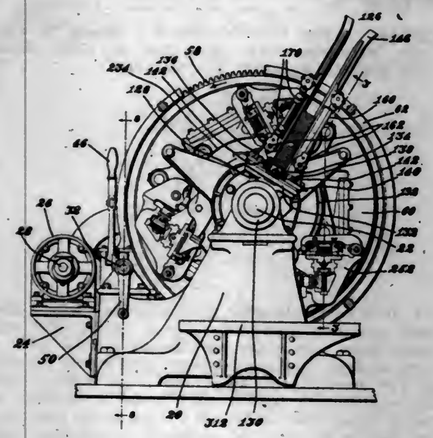
1,479,794. PHONOGRAPH-RECORD DEVICE. VICTOR H. EMERSON, New York, N. Y., assignor to Kiddie Rekord Company, Inc., Plainfield, N. J., a Corporation of New Jersey. Filed Nov. 27, 1922. Serial No. 603,587. 3 Claims. (Cl. 35—12.)



1. An educational and entertaining device for children comprising a pictorially corelated series of sound record discs each having upon one face a sound record of selected subject matter and a pictorial representation of subject matter common to all the members of the series, and upon the reverse face a pictorial illustration of the action of the subject matter recorded upon the first mentioned face.

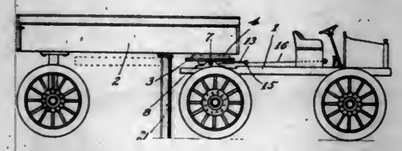
1,479,795. COMPRESSING MACHINE. CLYDE L. KNOTT and EDWARD ERICKSON, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 24, 1920. Serial No. 405,590. 27 Claims. (Cl. 12—48.)

3. A compressing machine having a mold carrier, a plurality of compressing molds upon the carrier, mechanism upon the carrier for feeding blanks to the molds in succession, a blank magazine, and means for removing



blanks successively from the magazine and transferring them to the feeding mechanism.

1,479,796. TRAILER COUPLING DEVICE. JOHN C. ENDEBROCK, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 24, 1919. Serial No. 332,995. 6 Claims. (Cl. 280—33.1.)

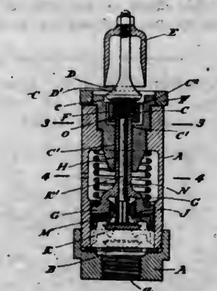


1. A fifth wheel comprising two sections, said sections having plane surfaces in contact with each other, and being non-rotatable in horizontal planes on their mountings, one section having a guiding jaw, and pivoted coupler jaws at the apex of said jaw and the center of the plate adapted to release and to enclose a post on the other section, the first section having means to be controlled by an operator for locking and unlocking said jaws into and from closed position over the post.

1,479,797. CONSTRUCTION OF AUTOMATIC PRESSURE ALARM. FRANK MONTAGUE EVELEIGH, Auckland, New Zealand. Filed July 11, 1922. Serial No. 574,161. 3 Claims. (Cl. 116—70.)

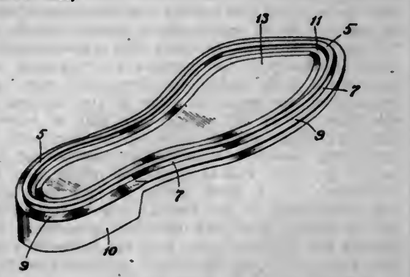
1. A pressure alarm comprising a cylinder adapted to be connected at its inner end to the pressure system, a plug closing the outer end of the said cylinder, and formed with a central bore extending through it and with radial bores opening from the side of the central bore and then extending out through the said plug, a whistle device mounted at the outer end of the central bore and on to which the said ports open, a piston movably mount in the said cylinder and being under the pressure of the system, a spring controlling said piston and adapted to move it inwards when the said pressure falls below

a predetermined amount, and a hollow sleeve attached to the outer side of said piston opening through the piston, and fitting the bore in the said plug, adapted to close



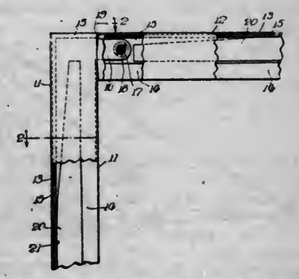
the said port openings when the said piston moves outward and to uncover them when the piston moves inwards.

1,479,798. RUBBER SOLE. GEORGE FERGUSON, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 28, 1920. Serial No. 362,055. 2 Claims. (Cl. 36—18.)



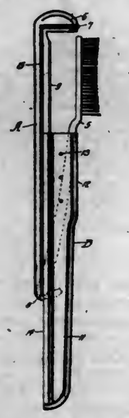
2. A molded and vulcanized one-piece sole and heel adapted to be incorporated in a turned shoe, comprising a sewing rib projecting from the upper face of the sole, a feather located outside the rib and a gutter located inside the rib, the feather around the forepart of the sole being substantially at right angles to the outer wall of the rib and around the heel portion being inclined downwardly away from the base of the rib.

1,479,799. WINDOW SASH. GEORGE H. FORSYTH, Chicago, Ill. Filed Aug. 15, 1919. Serial No. 317,644. 11 Claims. (Cl. 20—56.)



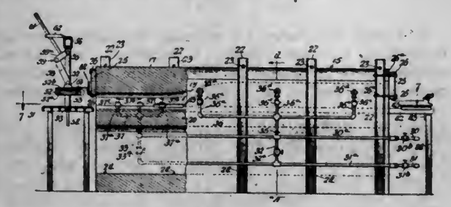
1. In a sash, the combination of stiles and rails connected for relative angular movement, and sheet supporting members fulcrumed intermediate their lengths on the stiles and rails whereby to provide an angular adjustability of the sheet relative to the sash in the plane of the opening.

1,479,800. TOOTHBRUSH CASE. MAX FELDSTEIN, Chicago, Ill. Filed Feb. 21, 1921. Serial No. 446,679. 8 Claims. (Cl. 206—15.1.)



1. A tooth brush case comprising an elongated formed sheet metal body member having turned up sides and ends one of the latter extending up beyond the sides so as to form an open L-shaped body, and a formed sheet metal cover slidably attached to the body open at one end to abut the extending end of the body, shaped to conform to and enclose the brush end of a tooth brush and tapering down to a closed narrow other end to abut the body member to close the same, said cover being grooved along its sides and frictionally engaging under tension cooperating slides on the body member to permit slidably opening and closing the cover.

1,479,801. PROCESS FOR MAKING GLASS PLATE LETTERS. ADOLPH W. GAST, Chicago, Ill., assignor to Chicago Miniature Lamp Works, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,145. 9 Claims. (Cl. 49—84.)

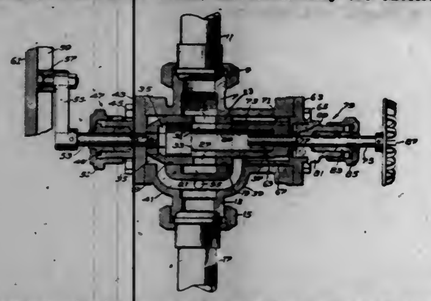


1. The process of making glass-letter-plates which consists in heating a glass blank together with a supporting plate, with the glass blank supported upon but spaced above the surface of the supporting plate by small fragments placed at intervals between the blank and plate, the heat being applied until the glass blank becomes pliable and workable under pressure against a die, and in then subjecting the glass blank to pressure against a die to form the letter, character, or other device in the letter plate.

1,479,802. VALVE. EVERETT B. GLENDENNING, Boston, Mass., assignor to McTarnahan Fuel Oil Burning Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1923. Serial No. 615,572. 12 Claims. (Cl. 277—32.)

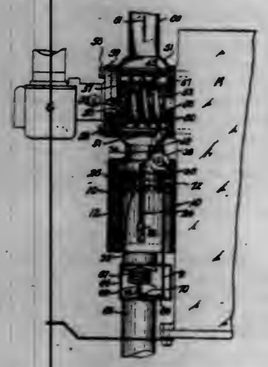
5. A valve comprising a casing having an inlet and an outlet, a pair of telescoping sleeves mounted in said casing having registering ports, means for imparting rotative adjustment to one of the sleeves to vary the

effective openings of said ports, and means longitudinally to adjust the other sleeve, further to vary the effective



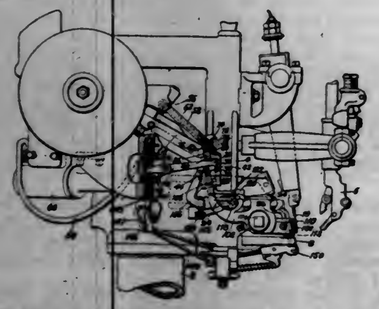
openings of said ports, said casing and the sleeves being constructed and arranged to permit fluid to press equally throughout the circumference of said sleeves.

1,479,803. FUEL CONDITIONER FOR INTERNAL-COMBUSTION ENGINES. FRANK C. GOFF, Denver, Colo. Filed Jan. 10, 1921. Serial No. 436,880. 15 Claims. (Cl. 123—25.)



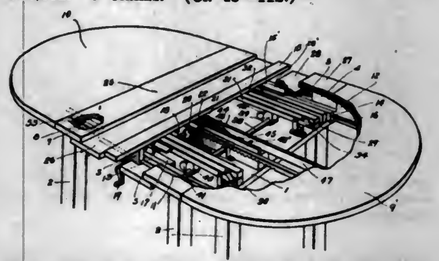
1. A fuel conditioner for internal combustion engines comprising a water supply, a vaporizer, and means adapted to be controlled by the pressure of the exhaust gases of the engine for feeding water to the vaporizer.

1,479,804. FASTENING-HANDLING MECHANISM. JOSEPH GOULDBOURN and WILFRID THOMAS MINETT, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 3, 1920. Serial No. 421,496. 44 Claims. (Cl. 1—6.)



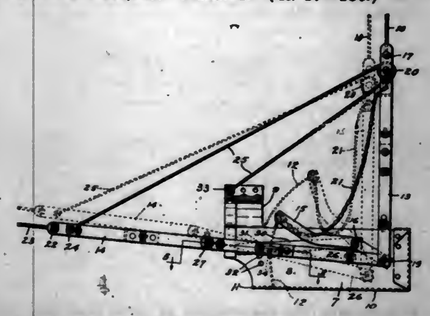
1. In a machine of the class described, the combination with means under the operator's control to separate in each cycle either one or a plurality of fastenings, separate conduits for the fastenings, and means utilizing compressed air to transfer the fastenings, of means for concentrating the effect of the air in the conduit or conduits having therein a fastening or fastenings to be transferred.

1,479,805. EXTENSION TABLE. ELDON A. GUTRIDGE, Ottawa, Kans. Filed Apr. 26, 1922. Serial No. 556,601. 6 Claims. (Cl. 45—112.)



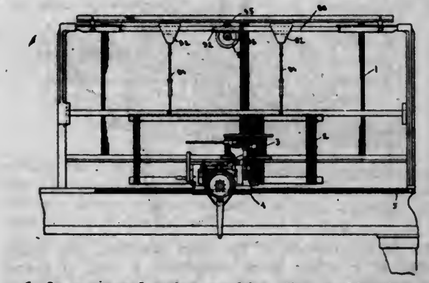
1. An extension table comprising a base board, rigid side bars carried by the base board and having recesses intermediate their ends, oppositely movable table top members supported by the base board and in guiding relation with the side bars, a transverse shaft journaled on the base board and having a pinion thereon, means for turning the shaft, two rack bars carried by the oppositely slidable table top members and engaging the top and bottom of the pinion respectively, two pairs of table leaves lying one upon the other in the recesses of the side bars, means for raising each pair of leaves into the plane of the slidable table top members, said means comprising elevators consisting of bars linked one on top of the other and in pairs, one of the bars having a vertical slot, a shaft carried by the base board, a star wheel rigid on the shaft, a bar movable with one of the slidable table top members, projections on the slidable bar for contacting with the projections on the star wheel to rotate the second mentioned shaft, pairs of cams on the second mentioned shaft, one cam of each pair being of sufficient width to bridge the slot in the lower elevator bar, and the other cam being at an angle thereto and of width sufficient to pass through the slot to raise the upper bar of each pair, and means for actuating the first mentioned shaft.

1,479,806. EXCAVATING APPARATUS. CHRISTIAN L. HANSEN and EDWARD H. PEER, Charles City, Iowa; said Peer assignor to said Hansen. Filed May 4, 1923. Serial No. 636,549. 7 Claims. (Cl. 37—136.)



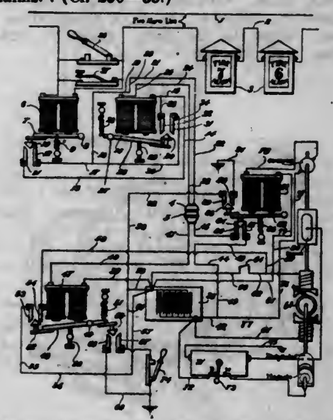
1. An excavator comprising a drag bucket, a front drop-gate therefor having lever arms pivotally connected with the sides of the bucket, and a hoisting bail and a hauling bail which are pivotally connected with the lever arms.

1,479,807. WARP-DRAWING MACHINE. EDGAR F. HATHAWAY, Dorchester, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 25, 1918. Serial No. 224,431. 8 Claims. (Cl. 28—44.)



1. In a warp-drawing machine, the combination with harness-supporting bars 80, of the guide supports 98 on which they are longitudinally movable, a manual device 97 for moving said bars as a unit, and manually and longitudinally adjustable supports 82 carried by said bars.

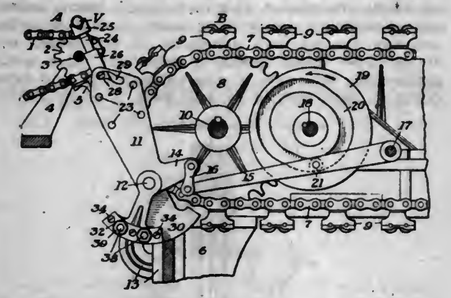
1,479,808. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. CHARLES H. D. HAYWARD, Newark, N. J. Filed Apr. 21, 1919. Serial No. 191,496. 15 Claims. (Cl. 290—35.)



1. The combination with an internal combustion engine, a generator driven therewith, a storage battery and an electric starter, of a normally open electromagnetic switch the closing of which places its magnet in circuit with the storage battery, means in said circuit for closing normally open ignition and starter circuits, and means in circuit with the generator for breaking the said electromagnetic switch circuit and forming another ignition circuit.

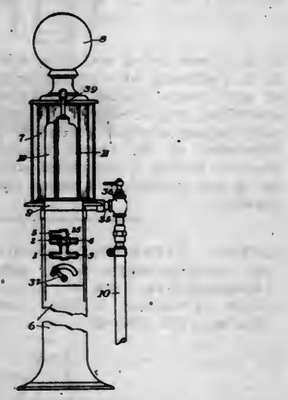
1,479,809. TRANSFER MECHANISM FOR VIAL-WORKING MACHINES. BENJAMIN T. HEADLEY, PARKE H. THOMPSON, deceased, by Rena M. Thompson, executrix, and DAVID IRVIN DU BOIS, all of Millville, N. J., assignors to Whitall-Tatum Company, Millville, N. J., a Corporation of New Jersey. Original application filed Nov. 15, 1919. Serial No. 338,179. Divided and this application filed Jan. 26, 1921, Serial No. 440,114. Renewed June 17, 1922. Serial No. 569,012. 17 Claims. (Cl. 198—20.)

1. A blank charging device for a vial bottoming machine comprising a plurality of levers movable with relation to each other, a reciprocating member on one of the levers for raising a blank from one support and transferring it to another support, and means for retarding the movement of one lever to cause it to move with



relation to the other lever to cause the member thereon to reciprocate to raise the blank from one support and lower it onto another support, substantially as described.

1,479,810. DISPENSING APPARATUS. GEORGE W. HIDDLESON, Beaver Falls, Pa., assignor of three-fourths to William Elmes, Beaver Falls, Pa. Filed Oct. 19, 1922. Serial No. 595,605. 8 Claims. (Cl. 221—100.)



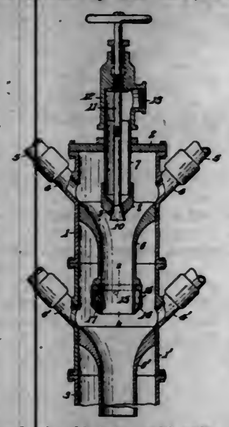
1. In a dispensing apparatus, a measuring receptacle, a valve casing cooperating with said receptacle, means in said casing for controlling the liquid level in said receptacle, and means for initially supplying the liquid to be measured to said receptacle, there being a communicating channel between said receptacle and casing and an overflow channel in said casing, substantially as described.

2. In a dispensing apparatus, a measuring receptacle, a valve casing cooperating with said receptacle, there being a communicating channel between said receptacle and casing, an overflow channel in said casing, and a vertically and rotatably mounted valve in said casing adapted to variably establish communication between said channels for determining the liquid level in said receptacle, substantially as described.

1,479,811. VACUUM-PRODUCING DEVICE FOR SUCTION CLEANERS. HARRY HINERMAN, CHARLES MEYERS, and IRA E. EWING, Wheeling, W. Va. Filed Nov. 28, 1921. Serial No. 518,282. 1 Claim. (Cl. 230—13.)

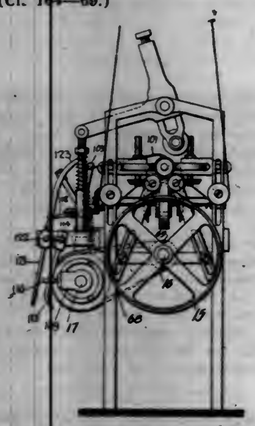
A vacuum producing device comprising a plurality of vertically alined casing sections having connection with a drain, the uppermost section having its upper end closed, each of said sections having air-inlet

branches, a contracted throat member disposed concentrically within each of said sections below said branches, each of said members having its upper end flared outward into engagement with the adjacent casing section and presenting a widely flared mouth, a tube extending centrally through and adjustable in the closed end of the upper casing section, a water-inlet valve casing surmounting said tube, a stem adjustable in said valve casing, a valve carried by said stem, a nozzle carried



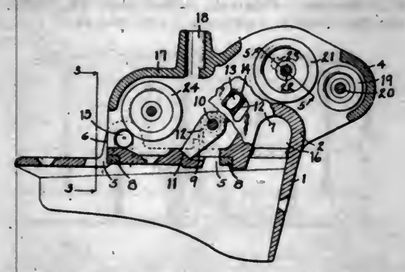
by the lower end of said tube, said valve being adapted to be positioned with respect to the discharge opening of said nozzle through adjustment of said stem for controlling the velocity of the water admitted through said opening, a nipple carried by the lower end of the uppermost of the throat members and providing a chamber having a contracted discharge passage annular to said member, and means admitting water to said chamber.

1,479,812. PAPER-TUBE-MAKING MACHINE. JOSEPH W. HOLT, Brooklyn, N. Y., assignor to Union Paper Company, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1921. Serial No. 502,609. 13 Claims. (Cl. 164—69.)



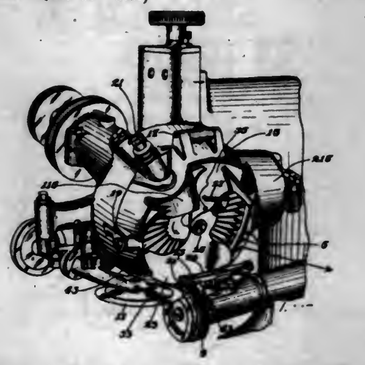
1. In a paper tube making machine, the combination comprising mechanism for cutting off portions of the tube as formed, mechanism for cutting said portions to finished size, and mechanism actuated by said cutting off mechanism for causing the finishing cutting mechanism to operate through one cycle each time a tube portion is cut off.

1,479,813. ANCHOR-ROPE PULLEY. JOHN A. HOLZAPFEL, Jackson, Mich. Filed Feb. 12, 1923. Serial No. 618,541. 14 Claims. (Cl. 114—181.)



11. In a structure of the class described, the combination of a pulley block comprising a pair of spaced side members, a fixed wringer pulley journaled between said side members, a coacting movable wringer pulley provided with a journal, said side plates being provided with elongated forwardly inclined bearings for said journal disposed at the rear of and in a plane above the axis of the fixed wringer pulley, and a guide pulley disposed at the rear of and below the plane of the axis of the movable pulley.

1,479,814. SKIVING MACHINE. DAVID G. JACKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 24, 1921. Serial No. 524,674. 8 Claims. (Cl. 69—9.5.)



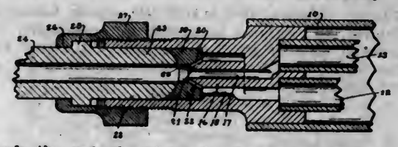
1. A machine of the class described having, in combination, a cylindrical skiving knife, means for rotating the knife, means for feeding material to the knife to be skived, and a fan located inside the knife and rotating therewith for expelling the resulting chips.

8. A machine of the class described having, in combination, a rotary cylindrical knife, a guard adapted to cover all but the lower portion of the edge of the knife, a feed roll and a presser foot for directing the work to the lower portion of the edge of the knife, a chip deflector located adjacent the roll and foot, and a cooperating rotary chip remover having radial corrugations located within the knife.

1,479,815. ACETYLENE-TORCH INJECTOR. JOHN W. JOHNSON and RICHARD MISRITZ, Milwaukee, Wis. Filed Feb. 13, 1922. Serial No. 536,272. 1 Claim. (Cl. 158—27.4.)

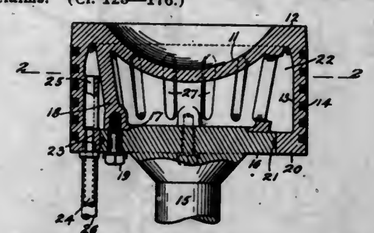
An acetylene torch having in combination a gas supply pipe, an air supply pipe, a handle through which said pipes pass, a mixing member secured to one end of said handle, said member being formed with a nozzle

connected to said air supply pipe and a chamber surrounding said nozzle and connected to said gas supply pipe, said nozzle projecting through said chamber and terminating adjacent one end thereof, a filler member disposed in said chamber provided with a recess tapered to form a restricted orifice which immediately sur-



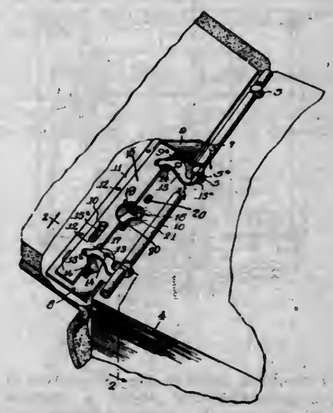
rounds the end of said nozzle, thereby intermixing said gas and air during the delivery of the same, an outer delivery nozzle formed with an annular shoulder adjacent one end thereof, a draw nut formed with an inwardly extending projection engaging said shoulder, and screw threads on the outer end of said mixing member for receiving said draw nut, whereby said delivery nozzle is rotatably and detachably secured in place.

1,479,816. PISTON. OLAV ESKIL JORGENSEN, New York, N. Y. Filed Apr. 19, 1920. Serial No. 374,901. 7 Claims. (Cl. 123—176.)



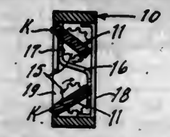
1. A liquid-cooled piston having a working face, a headed piston rod, a rib integral with the working face, means for securing said rib to the head of the piston rod, a cylindrical body portion supported from the working face, the cylindrical body portion and the head of the piston rod being movably fitted together to complete an enclosed chamber for the cooling liquid, and means for conducting cooling liquid into such chamber.

1,479,817. LOOSE-LEAF BINDER. JOSEPH KAHN, Chicago, Ill. Filed May 25, 1922. Serial No. 563,512. 7 Claims. (Cl. 129—23.)



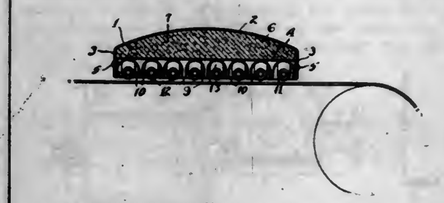
1. A loose-leaf binder comprising hinged covers and a back, binding posts anchored in one of the cover members, a lock casing mounted on the other cover member, hooked locking members pivotally mounted in said casing and adapted to be swung into and out of locking engagement with the free ends of said binding posts, and means for actuating said locking members simultaneously.

1,479,818. BLANKET-HOLDING DEVICE FOR CRIBS. MICHAEL KAHNE, New York, N. Y. Filed Dec. 18, 1922. Serial No. 608,640½. 3 Claims. (Cl. 5—320.)



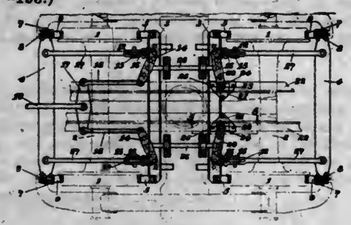
1. In a clamping means, the combination with a frame, of a pair of oppositely directed members mounted therein to swing about parallel axes which are near enough to permit adjacent edges of said members to meet, means connected to the said members to cause them to move in unison in opposite directions, cranks connected to said members and adapted to have their terminals shifted from one side to the other of the said axes, and a retractile spring connected to the cranks.

1,479,819. HEATER. ANNE J. KLUEVER, Lakewood, Ohio. Filed Feb. 2, 1922. Serial No. 533,514. 4 Claims. (Cl. 34—18.)



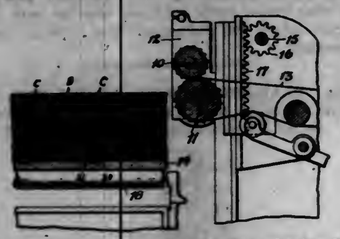
1. In a heater of the character set forth, the combination with a casing, of a reflector plate arranged within said casing, a portion of said reflector plate being spaced from said casing, heat insulating material interposed between said reflector and casing, a plurality of supports secured to said reflector, and a heating coil carried by said supports.

1,479,820. BRAKE MECHANISM. BENJAMIN F. KURTZ, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 506,153. 10 Claims. (Cl. 188—193.)



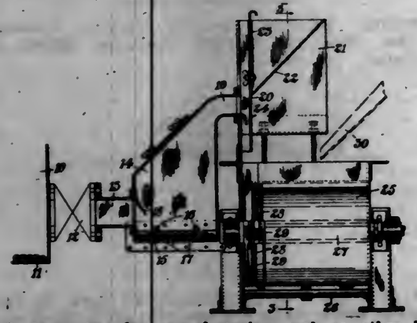
5. The combination with a car body, of center sills forming a part thereof, brackets secured to said sills and depending therebelow, a truck, a brake mounted on said truck, said brake comprising a plurality of levers adapted to engage said brackets below said sills the connections between said brackets and levers being adapted to automatically compensate for relative movement between said body and truck.

1,479,821. SHEET STACKER. SAMUEL M. LANGSTON, Wenonah, N. J. Filed Feb. 7, 1923. Serial No. 617,486. 9 Claims. (Cl. 271—86.)



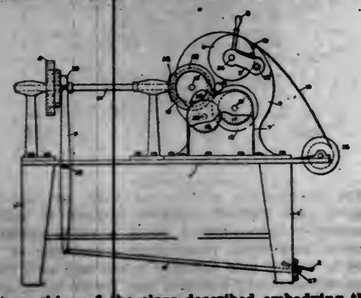
1. A machine for stacking slotted sheets, including means for delivering the sheets edgewise in succession in a direction at an angle to the general direction of the slot, and a stack support having means for holding the portion at the far side of the slot at a lower elevation than the body portion of the sheet.

1,479,822. MANUFACTURE OF COAL OR OTHER BRIQUETTES. HENRY GARDINER LLOYD, Surbiton, England, assignor of one-half to George St. Barbe, London, England. Filed Sept. 28, 1922. Serial No. 591,116. 14 Claims. (Cl. 44—11.)



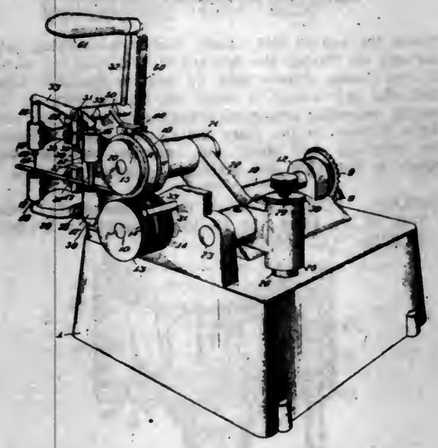
1. Apparatus for manufacturing coal or other briquettes with the aid of a binding agent, which comprises means for feeding continuous streams of heated binding agent and water to a receptacle in which they froth, means for delivering a stream of material to be briquetted, and means for continuously delivering said froth from the receptacle into contact with said stream of material.

1,479,823. MEANS FOR PRODUCING REED ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed July 13, 1921. Serial No. 484,290. 28 Claims. (Cl. 117—34.)



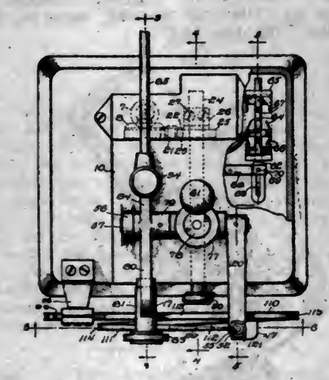
1. A machine of the class described embodying therein, a plurality of wrapping wheels spaced around an intermediate zone constituting the path of travel of the stock to be wrapped, the axes of rotation of said wrapping wheels being divergent with respect to the path of travel of the stock and being adapted to feed the stock forward.

1,479,824. THREADING MACHINE. HANS LUNDQUIST, Chicago, Ill., assignor to United States Specialty Corporation, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1919. Serial No. 342,987. 11 Claims. (Cl. 223—38.)



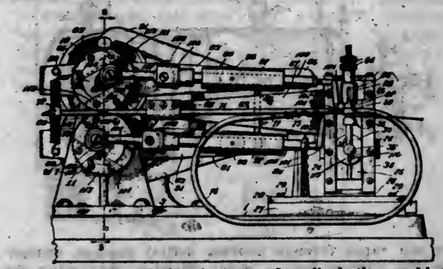
1. In a machine of the character described, the combination of a ribbon support, and means for selectively holding said support pivotally on either one of two supporting portions, with which said support is provided.

1,479,825. THREADING MACHINE. HANS LUNDQUIST, Chicago, Ill., assignor to United States Specialty Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1920. Serial No. 423,052. 26 Claims. (Cl. 223—38.)



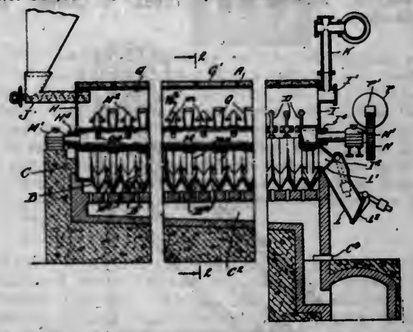
1. In a threading machine, the combination of a tape support, a garment-feeding device, a pressure device adapted to act upon the garment during the feeding movement, and means for releasing the feeding device and the pressure device simultaneously.

1,479,826. LACE-THREADING MACHINE. HANS LUNDQUIST, Chicago, Ill., assignor to United States Specialty Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1921. Serial No. 463,830. 35 Claims. (Cl. 223—38.)



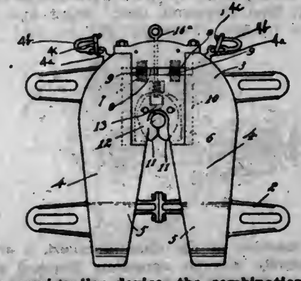
1. In a device of the character described, the combination of a threading needle and means for feeding lace on the needle, said means including elements which successively engage in alternation from above and below portions of the lace to be fed, and means for imparting an oscillating and reciprocating movement to said elements.

1,479,827. RETORT FURNACE. CHARLES V. McINTIRE, East Orange, N. J. Filed June 7, 1923. Serial No. 643,830. 6 Claims. (Cl. 202—9.)



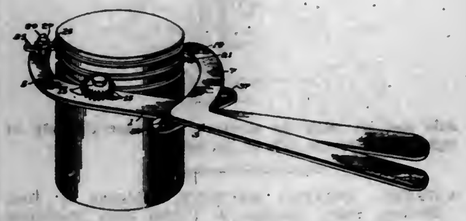
6. In apparatus for destructive distillation comprising a stationary retort, means in said retort for agitating the material being distilled to break it up and facilitate its distillation and means for injecting a fluid into the retort at distributed points along a portion of the retort wall normally covered by the material being distilled.

1,479,828. SEMITRAILER. JAMES MORRISON, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 20, 1919. Serial No. 346,330. 2 Claims. (Cl. 280—33.1.)



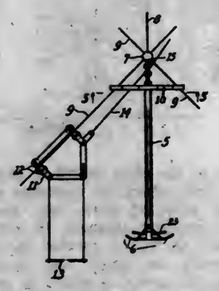
1. In a semi-trailer device, the combination with the tractor and the trailer, of fifth wheel members for said vehicles, both of said members having plain surfaces to contact with each other, automatic coupling means adapted to couple said two fifth wheel members together, said means comprising a pin and a box having pin engaging jaws therein, said box being longitudinally slidable and spring controlled with relation to one of the members.

1,479,829. DEVICE FOR REMOVING CARBON FROM PISTON GROOVES. CARL H. OLSON and WALTER F. PAGE, Boston, Mass., assignors to The Morgan Manufacturing Company, Incorporated, Keene, N. H., a Corporation of New Hampshire. Filed May 22, 1922. Serial No. 562,589. 11 Claims. (Cl. 15—104.01.)



6. A device for removing carbon from piston ring grooves, comprising, in combination, a holder, means mounted thereon for disintegrating the carbon in a piston groove, and means mounted on the holder for following the disintegrating means to clear the carbon from the groove.

1,479,830. APPARATUS FOR ACROBATS. TONY J. PATT, Chicago, Ill. Filed Sept. 10, 1921. Serial No. 499,761. 8 Claims. (Cl. 46—70.)

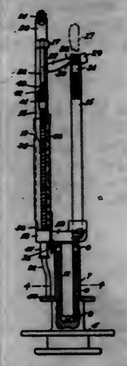


1. A trick apparatus comprising means for suspending a performer, means for lowering the suspending means, and means operated by the said lowering means for rotating the suspending means around a vertical axis, said lowering and rotating means coacting to produce rotation of the performer continuously proportional to the lowering thereof.

1,479,831. BRAIDING CARRIER. ROBERT CARL RAHM, Wyomissing, Pa., assignor to Berks Engineering Company Inc., Reading, Pa., a Corporation of Pennsylvania. Filed Oct. 30, 1922. Serial No. 597,760. 7 Claims. (Cl. 96—15.)

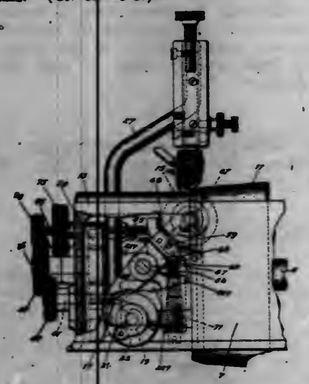
3. A braiding carrier comprising a raceway engaging base portion, and a bobbin-holder portion freely rotatable

thereon; said rotatable bobbin-holder portion having a yarn-delivery guide-eye located eccentric to its pivotal



axis and set with its aperture axis approximately at right angles to the axis of the bobbin.

1,479,832. SKIVING MACHINE. EUGENE J. RAY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 12, 1922. Serial No. 606,445. 13 Claims. (Cl. 69—9.5.)

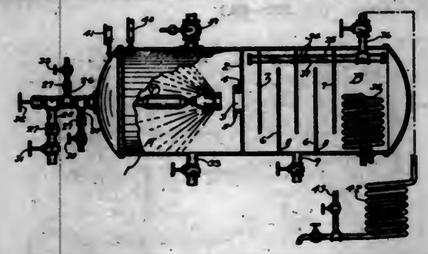


1. A machine of the class described having, in combination a knife and means for engaging and advancing to the knife a piece of work, said means including a pair of feed members arranged to engage the work one on each side thereof, a carrier for said members, and means whereby the carrier may be adjusted angularly in a path the plane of which is at an angle to the direction of feed movement of the work.

11. A machine of the class described having, in combination, a frame, a rotary shaft carried thereby, a cylindrical knife mounted on the shaft, a head capable of swinging away from the frame, an adjustable bracket carried by the head, and a presser and feed roll carried by the bracket.

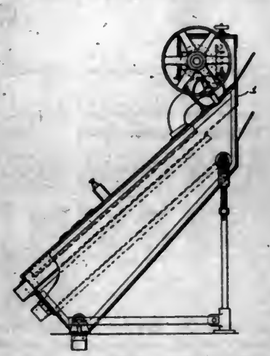
1,479,833. METHOD FOR REFINING OILS. WILLIAM J. REILLY, Denver, Colo. Original application filed Aug. 1, 1921, Serial No. 488,760. Divided and this application filed Apr. 6, 1922. Serial No. 549,988. 5 Claims. (Cl. 196—25.)

1. A method of converting oils of high specific gravity into oils of lower specific gravity which comprises passing the oil into a distilling chamber, mixing the same with vapors heated to the temperature required to maintain conversion passing the mixed oil and vapor through a helical passage at the pressure necessary to maintain conversion whereby they become thoroughly intermingled, passing the intermingled oil and vapor into a chamber containing a catalytic agent passing said intermingled



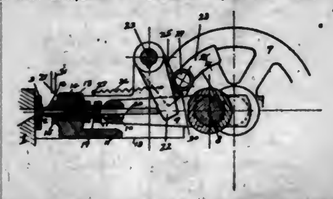
oil and vapor through another helical passage, expanding the mixture into a vapor chamber, separating the undecomposed particles from the vapor and condensing the vapor under any desired pressure less than that under which the distillation takes place.

1,479,834. SCREENING APPARATUS. MORLEY PUNSHON REYNOLDS, Cleveland Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 28, 1921, Serial No. 456,122. Renewed May 31, 1923. 8 Claims. (Cl. 83—56.)



1. In a screening apparatus, the combination of a woven wire screen tensioned to a uniform vibratory tension, an electro-magnetic means adapted to vibrate said screen at a high speed, and resilient supporting means for said screen, said means being adapted to maintain said screen within predetermined limits.

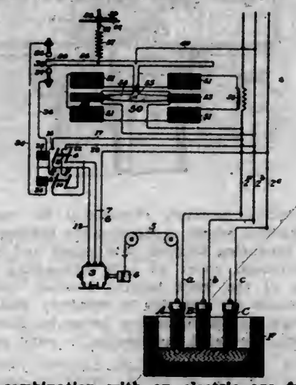
1,479,835. MACHINE FOR TRIMMING BLANKS OF BOLTS, NUTS, SCREWS, AND THE LIKE. MICHAEL J. RILEY, East Cleveland, Ohio. Filed Apr. 4, 1921. Serial No. 458,344. 7 Claims. (Cl. 10—20.)



1. In a machine of the class described, a stationary die, a relatively movable oppositely disposed punch, a hole in the punch to receive the shank of a blank, a gate supporting the punch, means to reciprocate the gate to move the punch, a pusher rod in the hole in

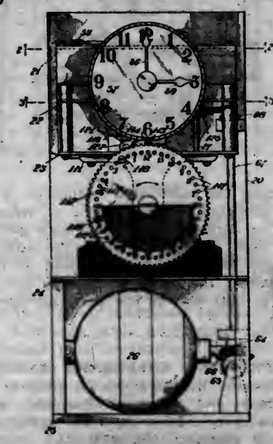
said die and on the gate and movable relatively thereto toward and away from the die, and means to reciprocate the pusher rod independently of the motion of the gate.

1,479,836. ELECTRIC MOTOR CONTROL. BYRAMJI D. SAKLATWALLA and ARTHUR N. ANDERSON, Crafton, Pa., assignors, by mesne assignments, to Vanadium Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Apr. 24, 1919, Serial No 292,283. Renewed May 23, 1922. Serial No. 563,120. 4 Claims. (Cl. 204—64.)



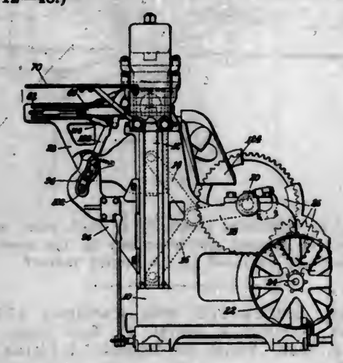
1. The combination with an electric arc furnace, of a motor for feeding an electrode, a relay in the motor feeding circuit, means for operating the relay in accordance with the furnace conditions for feeding the electrode in or out of the furnace, and means independent of the relay for causing the relay to interrupt the feed current to the motor whereby the electrode is fed by a step by step movement and prevented from being fed beyond its desired stopping position, substantially as described.

1,479,837. PERIODICALLY-OPERATED MECHANISM. HAROLD S. SINES, Chicago, Ill., assignor to Mineralac Electric Company, Chicago, Ill., a Corporation of Illinois. Original application filed Jan. 19, 1915, Serial No. 3,021. Divided and this application filed Feb. 24, 1919. Serial No. 278,787. 17 Claims. (Cl. 200—40.)



17. The combination with a mechanism comprising two actuating springs which deenergise at different rates, of a common motor for re-energising said springs.

1,479,838. COMPRESSING MACHINE. CHESTER C. SMALL, deceased, late of Newton Highlands, Mass., by Jennie M. Small, administratrix, Newton Highlands, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 16, 1918. Serial No. 254,287. 19 Claims. (Cl. 12—48.)



1. In a compressing machine, the combination of a plurality of oppositely-facing blank-confining molds, and oppositely moving means arranged for relative approaching movement to simultaneously exert pressure upon the entire areas of the oppositely facing blanks confined in said molds.

1,479,839. HEEL GUARD FOR SHOES. CLARENCE SNYDER, Grand Rapids, Mich. Filed Mar. 21, 1922. Serial No. 545,448. 4 Claims. (Cl. 36—55.)



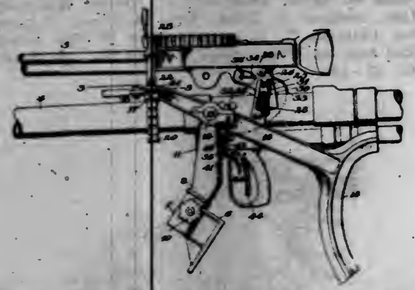
1. As an article of manufacture, a guard of knitted elastic fabric having a selvedged lower edge adapted to be arranged within the heel of a shoe, and a relatively narrow attaching strip of oilcloth disposed on the outer side of said guard with its upper edge and attaching strip being secured along their upper edges by overstitching but otherwise unattached, the attaching strip being arranged with its face adjacent the guard, the outer side of the attaching strip being provided with an adhesive extending to the upper edge thereof.

4. A guard adapted to be arranged within the heel of a shoe, said guard being of fabric, and a relatively narrow attaching strip of water proofed non-elastic material disposed on the outer side of said guard, said attaching strip and guard being connected along their upper edges but being otherwise free, the attaching strip having a securing adhesive on its outer surface.

1,479,840. SIGHTING MEANS AND METHOD FOR PROJECTILE FIRING. ANDREW J. STONE, Washington, D. C., assignor to the Government of the United States. Filed Aug. 1, 1918. Serial No. 247,774. 4 Claims. (Cl. 89—41.)

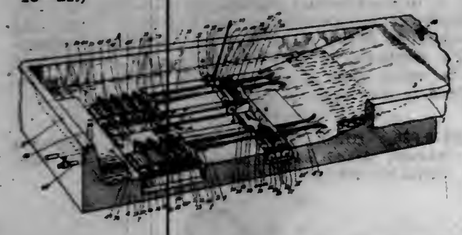
2. In combination, a gun of relatively large calibre, a rapid fire gun of relatively small calibre mounted fixedly

with relation to said first named gun, and triggers for each of said guns, said triggers being independent but



disposed in immediate proximity to each other so that they may be gripped simultaneously by the same hand and selectively operated by the fingers thereof.

1,479,841. APPARATUS FOR WASHING AUTOMOBILES. CHARLIE E. STOVER, St. Paul, Minn. Filed Oct. 9, 1922. Serial No. 593,206. 5 Claims. (Cl. 15—21.)



1. An apparatus for washing automobiles, comprising a tank adapted to contain water for partially submerging the wheels of the automobile, submerged rotatable supports for the rear driving wheels of the automobile, adapted to be rotated by said wheels when the motor is running, submerged rotary supports for the front wheels of the automobile, operative connections between said front and rear wheel supports for communicating rotary motion to the former when the latter are actuated, inner and outer submerged brushes for brushing, respectively, the inner and outer sides of the wheels when the motor is running, and brake mechanism for holding, at will, said rotatable rear wheel supports to prevent rotation thereof, for the purpose set forth.

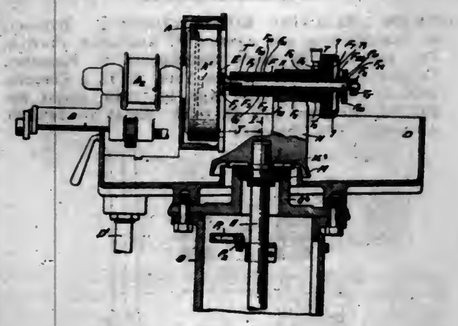
1,479,842. RING CONSTRUCTION. JOHN A. SWEITZER, Providence, R. I., assignor to Powers & Mayer Manufacturing Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 18, 1922. Serial No. 600,540. 6 Claims. (Cl. 29—160.6.)



1. The method of forming a ring or the like having an ornamented crown portion which consists in first punching out a flat crown piece to form therein a pierced design, then shaping the same with a forming die into an arcuate crown or head, and then securing the same to a ring-shank or the like.

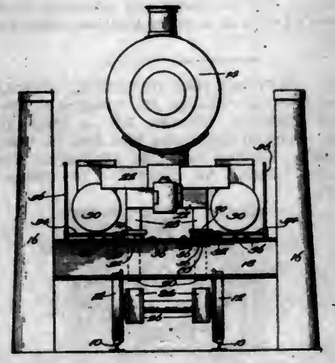
5. An article of jewelry comprising a ring shank having a portion pierced and spread to form a crown support, and an arcuate crown secured to said support.

1,479,843. GRINDING MACHINE. WILLIAM TAYLOR, Leicester, England. Filed Aug. 9, 1917. Serial No. 185,238. 46 Claims. (Cl. 51—131.)



5. A grinding machine, comprising in combination a rotary grinding wheel, a rotary work holding member, means for producing between said wheel and member a relative movement about an axis intersecting the axis of rotation of the work holding member, said means including means for applying a definitely limited force to effect such movement, and a device for limiting the rate of such movement, adjustable to vary such rate.

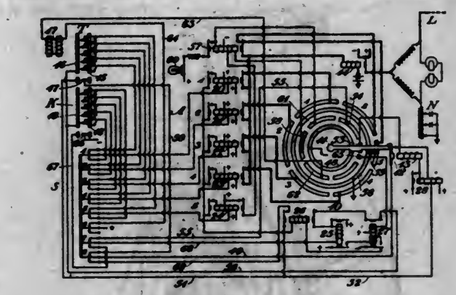
1,479,844. LATERAL-SHIFTING MECHANISM FOR JACKS. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Aug. 22, 1921. Serial No. 494,334. 1 Claim. (Cl. 254—85.)



In mechanism for hoisting a locomotive, a vertically reciprocable supporting beam, a pair of separated load receiving plates, carried by said beam, slow motion mechanism under each plate for moving the adjacent plate along the beam, and means at the end of each plate, nearest its end of the beam, adapted to be engaged by an operator at that end of the beam for operating the power means.

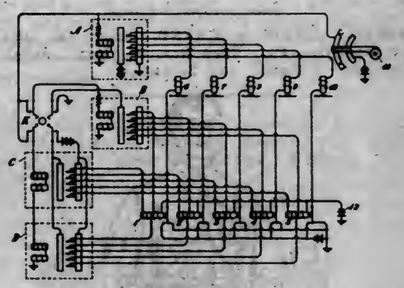
1,479,845. PRINTING-TELEGRAPH SYSTEM. GILBERT S. VERNAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 10, 1918. Serial No. 239,257. 39 Claims. (Cl. 178—33.)

1. In a signalling system, a distributor for transmitting successive groups of signalling impulses in predetermined order, means normally restraining said distributor, electromagnetic means for releasing said restraining means, a circuit for said electromagnetic means passing over said restraining means, and means



to render the first transmitted impulse of each group of a character different from that of the last impulse previously transmitted.

1,479,846. CIPHERING DEVICE. GILBERT S. VERNAM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 23, 1920. Serial No. 391,215. 5 Claims. (Cl. 178—22.)



1. In a secret communication system in which messages are to be transmitted by scrambling them at the sending station with characters arbitrarily recorded on a key tape and received by combining the received signals with the characters of a synchronously positioned identical key tape at the receiving station, the method of operation which consists in scrambling a part of the message including information with regard to the remainder of the message with a set of characters arranged in a predetermined order and beginning with a character determined in accordance with a prearranged plan, unscrambling the signals thus received at the receiving station by combining them with a set of characters arranged in the same order and beginning with a character determined by said prearranged plan, scrambling the characters of the remainder of the message with a set of characters arranged in a predetermined order and beginning with a character arbitrarily chosen at the sending station, and unscrambling the signals thus received at the receiving station by combining them with a set of characters arranged in the same predetermined order as at the sending station and beginning with a character determined by the previously received part of the message.

1,479,847. METHOD OF PRODUCING PHONOGRAPH RECORDS OF SPECIAL TYPES. EUGENE A. WIDMANN, Brooklyn, N. Y., assignor to Voice Recorder Company, Inc., New York, N. Y., a Corporation of New York. Filed July 29, 1918. Serial No. 247,185. 2 Claims. (Cl. 18—48.3.)

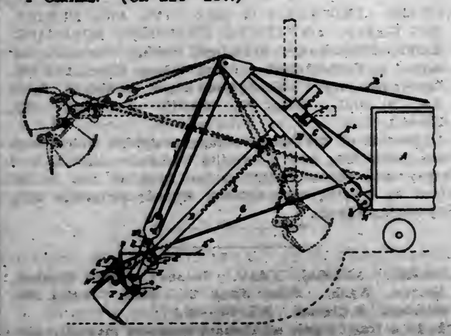


1. The process of making a toy phonograph record which consists in first, the preparation of a mass of record material, then preparing a sheet of suitable material having stamped thereon a pictorial figure having an opening centrally disposed therein of a predetermined diameter, placing the figure with the opening over the record mass, inserting the same in a phonograph record pressing device having a matrix of the size of the said opening so that the matrix registers therewith, and imprinting the matrix through said opening into said record material, substantially as described.

1,479,848. STORAGE BATTERY. HORACE M. WILLIAMS, Providence, R. I., assignor to Electrol Manufacturing Company, a Corporation of Rhode Island. Filed Oct. 15, 1919. Serial No. 330,893. Renewed May 5, 1923. 4 Claims. (Cl. 204—29.)

1. An electric storage battery having, in combination with the usual lead plates, a body of colloidal silica precipitated in situ serving as a matrix and an electrolyte in suspension in said body comprising a sulphuric acid solution mixed with a minor quantity of methyl salicylate.

1,479,849. STEAM SHOVEL. WARREN D. WILLIAMS, Erie, Pa. Filed Jan. 12, 1922. Serial No. 528,789. 4 Claims. (Cl. 214—137.)



1. In an apparatus of the class described, a dipper, a plurality of spaced ears having openings therethrough

adjacent to the front and rear edges of the upper side of said dipper, a dipper stick, plates secured on the lower end of said dipper stick, lateral arms extending from opposite edges of said plates and overlapping said ears on said dipper and having openings which coincide with the openings in said ears, and pins through said openings in said ears and arms.

2. In an apparatus of the class described, a dipper-stick, a dipper, means to pivot the front edge of said dipper to said stick, a pulley pivoted on said dipper-stick, and a drag-line secured to the rear end of said dipper and passing over said pulley whereby the open end of the dipper is tipped downwardly to the work.

1,479,850. BELT FASTENER. WILLIAM H. BRADSHAW, Lansdowne, Pa., and HENRY W. LYNDALL, Wilmington, Del., assignors to Main Belting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 23, 1921. Serial No. 471,687. 4 Claims. (Cl. 24—33.)



2. In a device of the character described adapted to connect the adjacent ends of a belt, comprising two complementary fastener members hinged together along their adjacent edges, the outer surfaces of said members being flat, the inner surfaces of said members being curved substantially to the curvature of a pulley with which it is to be used, fastening devices on the curved surfaces adapted to secure a belt thereto, and a pivot pin whose axis is located substantially in the central plane of effort of that portion of the belt, as it leaves the pulley, which is tangent to the pulley at the outer edge of the outer fastening means while the complementary members and adjacent parts of the belt are still in engagement with the pulley.

1,479,851. DECOLORIZING CARBON AND METHOD OF MAKING SAME. ROD A. DEMME, New York, N. Y., assignor to Darco Corporation, New York, N. Y., a Corporation of Delaware. Filed July 23, 1920. Serial No. 398,509. 6 Claims. (Cl. 252—3.)

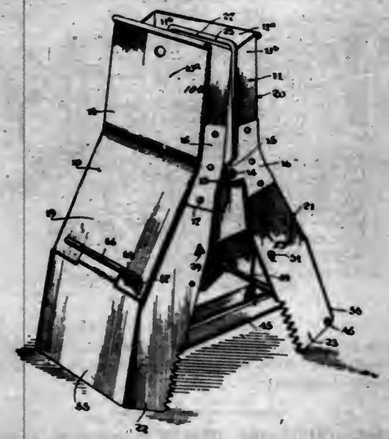
1. The process of making a decolorizing material which comprises destructively distilling oil shale to remove as much as possible of the volatile material, cleaning out the pores of the so-distilled shale at a temperature ranging above 600° C. and removing impurities with weak acid.

1,479,852. PROCESS FOR TREATING AND PURIFYING GASES CONTAINING HYDROGEN SULPHIDE. ALFRED ENGELHARDT, Wiesdorf, Prussia, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Aug. 8, 1921. Serial No. 490,712. 7 Claims. (Cl. 23—10.)

1. Process of oxidising hydrogen sulphide which comprises contacting gas containing hydrogen sulphide and oxygen with porous active carbon such as may be obtained by heating carbonaceous organic materials with dehydrating agents.

1,479,853. ANIMAL TRAP. ISAAC CHARLES GAMBLE, Seattle, Wash. Filed June 28, 1922. Serial No. 571,348. 3 Claims. (Cl. 43—88.)

1. In a trap, a pair of channel members pivotally connected together and including a base section and flanges, said channel members comprising upper and lower angularly disposed sections, the side flanges of the lower sections having extensions provided with toothed edges and constituting the jaws of the trap, a spring coacting with the upper sections of the channel members for urging the jaws toward and in engagement with each other,



trigger mechanism including a toggle coacting with the lower sections of the channel members, a trip plate, a trip arm engageable with the toggle for releasing the same, and a link connecting the trip plate and the trip arm, and removable closure plates releasably secured to the lower sections and extending between the jaws.

1,479,854. UNION GARMENT. DAVID E. HELLER, Wilkes-Barre, Pa. Filed Nov. 29, 1922. Serial No. 603,964. 1 Claim. (Cl. 2—144.)

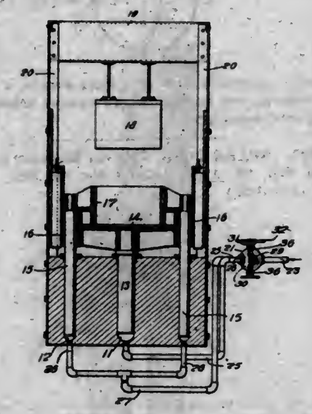


A union garment comprising blouse and trousers having an opening extending from the crotch to the collar, means for releasably closing said opening, and an opening extending from the side to the center of the garment and separating the front of the blouse from the trousers; and continuous separable fasteners positioned at either side of the center of the garment for closing said transverse opening and securing the blouse to the trousers, said continuous separable fasteners being concealed, when fastened, beneath the lower edge of the blouse.

1,479,855. HYDRAULIC PRESS. EMERY C. HODGES, Joliet, Ill. Filed Aug. 30, 1922. Serial No. 585,170. 4 Claims. (Cl. 138—16.)

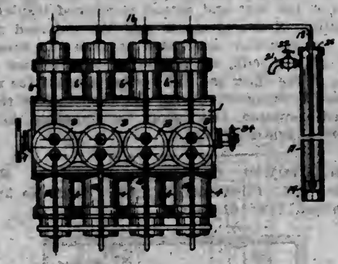
1. In a hydraulic press the combination of two independently movable members, separate hydraulic cylinders for the several members, a valve having separate passages

connected with the several cylinders and having supply and discharge passages, and a valve plug having a port that opens at both ends upon the periphery of the plug, and adapted to establish communication between the supply passage and one of the passages to the cylinders, a port that opens at both ends upon the periphery of



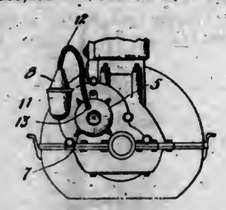
the plug and adapted to establish communication between the supply passage and another cylinder connected passage and a port that extends from the periphery of the plug into one of said other ports and has its peripheral end positioned to be at one of said cylinder connected passages when one end of said first mentioned port is at the waste outlet.

1,479,856. AIR COMPRESSOR. GRANVILLE A. HUMASON and JOSEPH F. BASHARA, Houston, Tex. Filed Aug. 23, 1920. Serial No. 405,329. 2 Claims. (Cl. 230—32.)



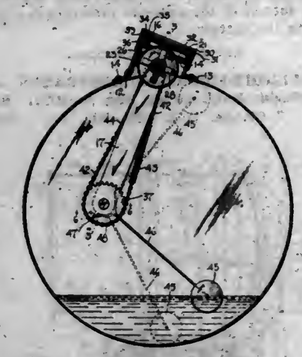
1. An air compressor including a casing, a plurality of series of cylinders carried thereby, each series comprising a low pressure, intermediate, and a high pressure cylinder, each cylinder having an intake and an exhaust port, valves controlling said ports, pipes connecting the exhaust port of the cylinder with the intake port of the next succeeding cylinder, from low to high, a common manifold connected to the exhaust ports of the high pressure cylinder of each series, pistons in said cylinders an axially arranged drive shaft in said casing, eccentric discs fixed on said shaft in alignment with the respective series of cylinders, each disc having an annular raceway, a bearing in each raceway, and piston rods connected at their outer ends to said pistons and at their inner ends to said respective bearings.

1,479,857. TIMER-LUBRICATING DEVICE. LOUIS FOSTER JACKSON, Starkville, Miss. Filed Dec. 6, 1922. Serial No. 605,291. 3 Claims. (Cl. 123—196.)



1. Means for supplying oil ladened air from the crank case of an automobile to the timer shell, comprising a tube having means of communication with the crank case to receive the oil ladened air therefrom, said tube having its outlet end leading into the timer shell to discharge the oil ladened air therein, said outlet end being uncovered whereby the oil ladened air may pass freely to all parts interiorly of the shell including the contact segments.

1,479,858. LIQUID-VOLUME INDICATOR. CHARLES D. JENNEY, Detroit, Mich. Filed Aug. 15, 1919. Serial No. 317,772. 10 Claims. (Cl. 73—82.)



1. A liquid volume indicator comprising a tank of circular cross section, said tank provided with a nipple secured thereto, a graduated cylinder mounted on a bearing carried by said nipple, a toothed wheel fixed to said bearing, a rigid arm extending from the nipple to the interior of the tank, said arm carrying at its inner end a toothed wheel to which is rigidly fastened an arm provided at its extremity with a float, and a chain connection between the two said toothed wheels, substantially as set forth.

1,479,859. PROCESS FOR MAKING ANTIFRICTION METAL. WILLIAM KOEHLER, Cleveland, Ohio. Filed Sept. 5, 1922. Serial No. 586,321. 9 Claims. (Cl. 75—1.)

1. The process of producing an anti-friction metal consisting in mixing together finely comminuted metals of different melting points and then subjecting the mixture to a temperature, sufficiently high to melt the metal having the lowest melting point.

1,479,860. ELECTRIC CANDLE. GRACE MOYNAN LEWIS, Asbury Park, N. J. Filed Jan. 27, 1923. Serial No. 615,239. 3 Claims. (Cl. 240—8.5.)

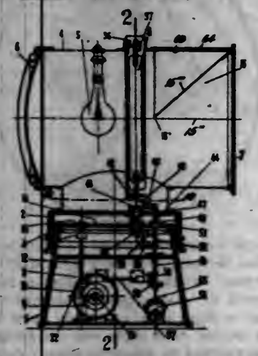
1. An electric candle comprising a base, a tubular body portion carried by said base, a lamp secured to the upper end of said body portion, a battery freely mounted in said body portion, and means whereby the turning of the

body portion on the base in one direction will cause a movement of both the lamp and the battery in opposite directions away from each other for disconnecting the



lamp from the battery and will cause said lamp and battery to move both toward each other when the body portion is turned in the opposite direction for connecting the lamp to the battery.

1,479,861. LIGHT-SIGNALING APPARATUS. ARISTIDE LUBIA, Turin, Italy. Filed Nov. 8, 1921. Serial No. 513,711. 7 Claims. (Cl. 240—1.)



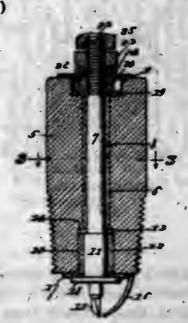
1. A light signaling apparatus comprising a source of light, a parabolic mirror for producing a substantially horizontal luminous beam, a reflector having substantially the shape of one fourth of a cone, said reflector having its apex on the projection axis and its straight edges lying on vertical and horizontal planes, respectively, passing through said projection axis, and operating to deflect a portion of said beam to produce a luminous fan-shaped beam lying in a plane transverse to said beam and extending from horizon to zenith, and means for rotating said apparatus around a substantially vertical axis.

1,479,862. POSITION LIGHT FOR AIRCRAFT. ARISTIDE LUBIA, Rome, Italy. Filed Dec. 27, 1921. Serial No. 525,150. 1 Claim. (Cl. 240—1.)

A position light for aircraft comprising a frame having suspension means, a reflector beneath said frame, a source of light beneath said reflector and an envelope encircling said source of light and connected to said frame, said envelope comprising a segment of an annular lens section positioned substantially at the level of and concentric with said light source and segments of annular prismatic drum lens sections located intermediate said first named lens section and said reflector, and substantially concentric with said light source, a segment of lower transparent screen and an opaque screen for completing said envelope.

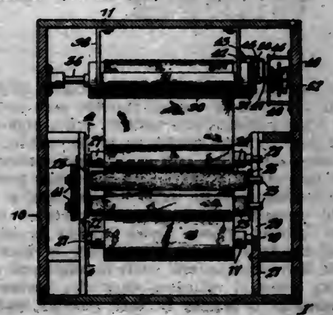


1,479,863. SPARK PLUG. HENRY MACKEY, Fonda, Iowa. Filed Feb. 27, 1923. Serial No. 621,620. 2 Claims. (Cl. 123—169.)



1. In a spark plug, a body of soft metal, an electrode extending therethrough having an enlargement near its inner end, the said electrode terminating in a stem, a flange at the junction of the stem and the enlarged portion of the electrode, an insulating sleeve interposed between the electrode and the wall of the body, the said body having recesses in its inner and outer ends, the first mentioned recess constituting a seat for the enlarged portion of the electrode, an insulating sleeve interposed between the enlarged portion of the electrode and the wall of the body, an insulating ring interposed between the ends of the first and second mentioned insulators at the junction of the electrode and the enlarged portion thereof, an insulator interposed between the flange and the end of the body, an insulating ring applied to the electrode at the outer end and resting against the wall of the recess in engagement with the outer end of the first mentioned insulator, and means for retaining the parts in assembled relation.

1,479,864. TOWEL CABINET. ALFRED H. MARTIN, Buffalo, N. Y. Filed Aug. 23, 1922. Serial No. 583,908. 22 Claims. (Cl. 161—1.)



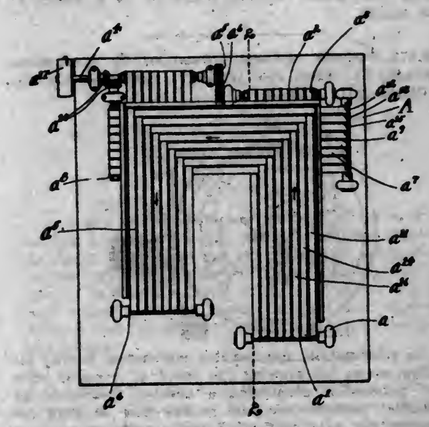
1. In a towel cabinet, stop-means for automatically arresting the toweling after the withdrawal of a predetermined length thereof, and means for automatically releasing said stop-means after a given lapse of time, whereby the immediate withdrawal of succeeding lengths of toweling is prevented.

1,479,865. ROPE STRUCTURE. HAROLD G. METCALF, Auburn, N. Y. Filed June 18, 1923. Serial No. 646,183. 3 Claims. (Cl. 117—52.)



1. A rope structure comprising a plurality of strands or readies laid together in twisted relation to form the finished rope, each of said strands comprising a twisted yarn or ply yarn impregnated with a lubricating or water repellant substance and embedded in and surrounded by a relatively large body of sliver fibers twisted to a degree less than that of the impregnated yarn to form a relatively soft center, the whole being surrounded by yarns each twisted to a greater degree than the slivers, said yarns being spirally laid about the center and with adjacent yarns in contact with each other to form an enveloping sheath.

1,479,866. ARTICLE-TRANSFER DEVICE. JOEL MOORMAN, Norwood, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 18, 1921. Serial No. 493,365. 3 Claims. (Cl. 198—190.)



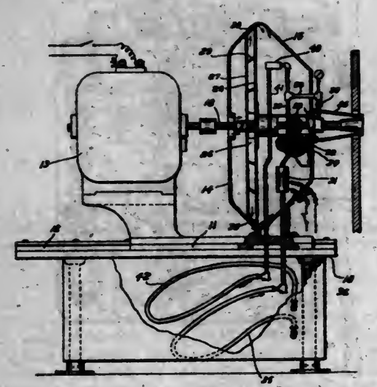
1. In a transfer device the combination of a series of belts extending in parallelism, a second series of belts extending in parallelism with one another and at an angle to the first series of belts, the succeeding belts of each series passing between succeeding belts of the other series.

1,479,867. PISTON. MORGAN L. MUNDAY, Munday, Tex. Filed Sept. 8, 1921. Serial No. 498,268. 6 Claims. (Cl. 74—108.)



1. A piston having a head and a skirt, ring grooves arranged in the upper portion of said skirt, rings in said grooves, an oil collecting trough in the upper portion of said skirt and an oil collecting trough in the lower portion of said skirt.

1,479,868. OIL BURNER. LEO F. NOCK, East Greenwich, R. I. Filed Apr. 26, 1922. Serial No. 556,799. 4 Claims. (Cl. 158—77.)

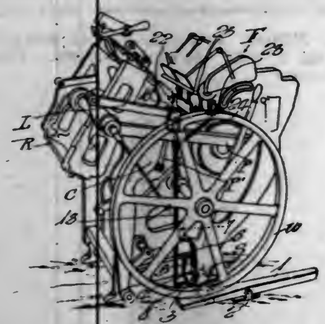


2. A hydrocarbon burner comprising a casing having a tapered air conducting tubular neck adapted to extend through an opening in the furnace, a rapidly rotatable spray nozzle mounted in said neck, a blower in said casing for supplying air under pressure through said neck to said nozzle, a pump for forcing the fuel through said nozzle, said casing being so mounted that it may be moved bodily with its contents relatively to the furnace opening to regulate the amount of air to be drawn in through said opening.

1,479,869. AUTOMATIC STOP FOR JOB PRESSES. IRA VERNON ORANGE, High Point, N. C. Filed June 28, 1920. Serial No. 392,295. 14 Claims. (Cl. 192—127.)

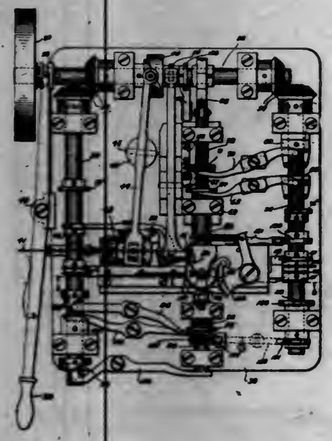
1. The combination with a power driven job press having an automatic feeder for feeding paper onto the platen, of means for throwing off the driving power of

the press and applying a brake to a moving part of the press, said means having a control in the path of any



sheets of paper moved retrogradely from the platen by the feeder, said control being adapted to be struck and operated by such paper.

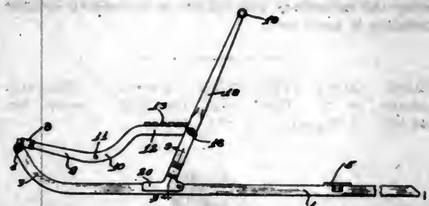
1,479,870. CHAIN-MAKING MACHINE. JOSEPH A. PAYETTE, Attleboro, Mass., assignor to S. O. Bigney & Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Jan. 25, 1922. Serial No. 531,816. 17 Claims. (Cl. 59—16.)



1. In a chain machine, a die member, means for advancing a length of wire across said member, means for severing the advanced length, a pair of jaws, means for causing said jaws to grip the severed length of wire and draw it back through said die to form a staple, means for gripping and holding the next previously formed link, means for advancing said jaws to pass the legs of the staple through said formed link, an anvil, and means including laterally-movable bending members for closing the free ends of the staple about said anvil to form a link.

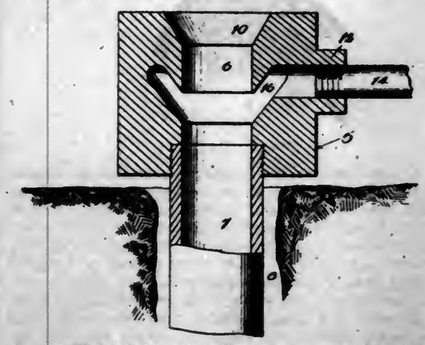
1,479,871. SPORT SLED. VICTOR E. PEARSON, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 520,118. 1 Claim. (Cl. 280—23.)

A sled comprising a pair of long flexible metal runners set on edge, a chair seat pivotally supported on the front ends of said runners, a chair back pivotally supported on said runners adapted to support the seat, and a cross-bar connecting the side members of the seat back, a U-



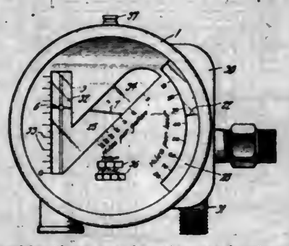
shaped member at the rear edge of the seat adapted to engage said cross-bar and means for releasably holding said cross-bar and U-shaped member in engaging position.

1,479,872. DRILL HEAD. FRANK EDWARD SACKRIDER, Billings, Okla. Filed Jan. 21, 1922. Serial No. 530,985. 2 Claims. (Cl. 169—4.)



1. A drill head for oil well casings comprising a body having a longitudinally extending opening adapted for alignment with a well casing, the intermediate portion of said body being provided with an annular spray nozzle communicating with and surrounding said longitudinally extending opening and being approximately in the shape of a truncated cone whereby to direct the steam downwardly and obliquely of the longitudinal axis of the body, said body being provided with means whereby said nozzle may be connected to a source of steam supply.

1,479,873. FLOW METER. RUDOLPH W. SCHROEDER, Chicago, Ill. Filed Feb. 16, 1921. Serial No. 445,504. 3 Claims. (Cl. 235—1.)

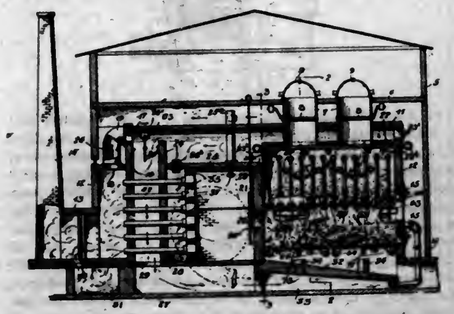


1. In combination, speedometer mechanism having indicating means for showing the speed of a motor, flow meter mechanism comprising a member positioned by differential pressure incident to the flow of fluid for indicating the rate of flow of fuel to said motor, and means connected to said speedometer indicating mechanism and said flow meter member for indicating at any particular time the speed of said motor per unit fuel consumed.

1,479,874. PROCESS OF HYDROLYZING NITRILES. GILBERT E. SEIL, Oakmont, Pa., assignor to The Roessler & Hasslacher Chemical Company, a Corporation of New York. Filed Oct. 15, 1921. Serial No. 507,879. 10 Claims. (Cl. 260—112.)

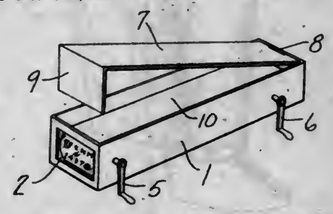
5. The process of hydrolyzing cyanhydrin of alpha-oxyisobutyric acid by treating one molecule thereof dissolved in an inert solvent, with substantially one molecule of the dihydrate of sulphuric acid in the presence of a catalyst.

1,479,875. REFUSE INCINERATOR. BERNARD F. SHAUGHNESSY, Brooklyn, N. Y. Filed Oct. 12, 1920. Serial No. 414,174. 18 Claims. (Cl. 110—8.)



1. A refuse incinerator comprising a furnace casing, refuse hoppers extending through the top of the casing, a fire box in the casing below the hoppers, upper and lower grates in the fire box, a gas chamber adjacent the the fire box, a fan communicating with the interior of the casing and including a return passage communicating with the fire box below the lower grate, the fan drawing the products of combustion through the top of the fire box and discharging the same below the lower grate to be reburned and subsequently returned to the gas chamber, and means to conduct the smoke from the gas chamber to the atmosphere.

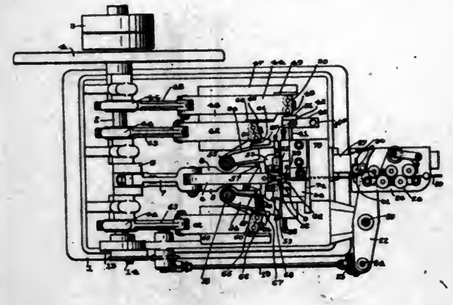
1,479,876. EDUCATIONAL DEVICE. ORVILLE E. SHIRLEY, Salt Lake City, Utah. Filed Feb. 10, 1923. Serial No. 618,245. 1 Claim. (Cl. 35—12.)



A device of the character described, comprising a box having a window in one end; two rollers transversely journaled in the box, one at each end; a configured tape on the rollers; a lid hinged to the open top side of the box; a shutter depending from the free end of the lid and adapted to close down into the box between the window and the adjacent roller; and means for rotating the rollers.

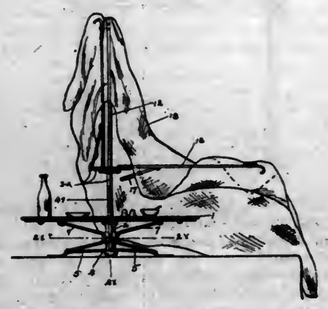
1,479,877. NAIL-MAKING MACHINE. FRANK H. SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed May 23, 1921. Serial No. 471,810. 6 Claims. (Cl. 10—51.)

1. In a machine of the class described, the combination with a rotating element, a reciprocatory actuating member connected to said element, a die movable in a rectilinear path, and a pivotally mounted arm for operating



said die, of an anti-friction device carried by said actuating member for transmitting the movement thereof to said arm.

1,479,878. SELF-SERVING DEVICE. FREDERICK B. SPROSS, Bergen, N. Y. Filed Jan. 24, 1923. Serial No. 614,562. 1 Claim. (Cl. 45—26.)

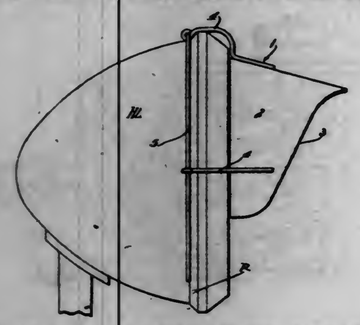


In a self serving device, the combination of a base, a standard supported by said base, a turntable mounted to rotate on said standard, a thrust bearing interposed between said turntable and said base, extension members mounted to slide radially on the under side of said turntable, an extension ring adapted to rest on said extension members, shoulders formed on the under side of said extension ring, said extension member being adapted to engag between said shoulders, a supporting platform mounted on the upper end of said standard, a series of radial arms mounted to swing on said platform, a brace for each of said arms, said braces being adapted to rest on top of said platform to hold said arms in a vertical position, said braces also being adapted to be disengaged from said platform to allow said arms to rest on said paltform in a horizontal position, a table cover adapted to be supported by said arms.

1,479,879. ANTIGLARE DEVICE FOR AUTOMOBILE HEADLIGHTS. JACOB STEINHILPER, Williamsport, Pa. Filed Mar. 1, 1923. Serial No. 622,081. 1 Claim. (Cl. 240—48.)

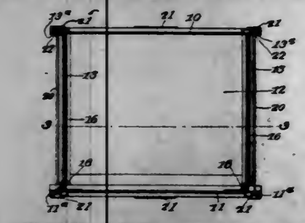
A device of the class described comprising a hood having its rear edge shaped to conform to the face of the headlight rim in connection with which it is to be used, a spring wire clamping ring, and transversely extending spring clips connecting said hood and ring, said clips being secured at one end to the hood and at their other end to the ring and operating as spacers for the hood

and ring, the portion between the hood and ring being bowed outwardly and of a length to span the rim of the headlight, said ring being designed to fit the headlight



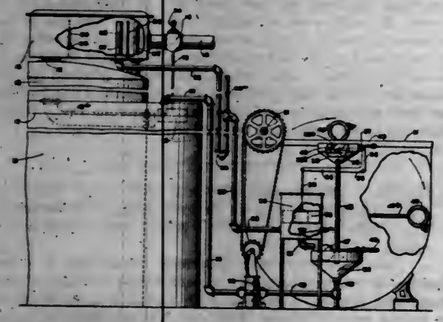
at the rear of its rim whereby the hood is held in abutting engagement with the front face of the rim when applied.

1,479,880. COLLAPSIBLE SHIPPING CASE. GEORGE W. STITZER, Mahanoy City, Pa. Filed Mar. 16, 1921. Serial No. 452,890. 3 Claims. (Cl. 220—6.)



1. A collapsible shipping case having separable top and bottom members and side and end walls, engaged by sliding movement, the said top and bottom members being extended beyond the plane of the side and end walls and provided with marginal exterior reinforcements having registering countersunk openings, and retaining bolts received within the openings and secured within the countersinks, the bottom member being further provided with transverse stop webs arranged for contact with the lower edges of the end walls.

1,479,881. AUTOMATIC PROPORTIONATE FEED CONTROL. WALTER WAGNER, Berwyn, Ill., assignor to International Filter Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1920. Serial No. 364,986. 19 Claims. (Cl. 210—18.)



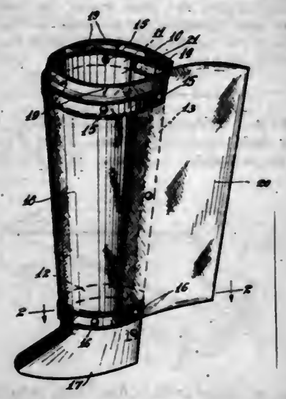
1. In apparatus of the class described, the combination of a treating receptacle, feeding mechanism for supplying treating material to said receptacle, means for supplying liquid for treatment in said receptacle, means for selecting a constant proportion of the supplied liquid, a hydraulic link accommodating continuous discharge of such selected liquid and mechanism responsive to increases and decreases in the head of liquid in said link for varying operation of the feeding mechanism.

1,479,882. SWIVEL CONNECTION. JOSEPH S. WALTON, Los Angeles, Calif. Filed Apr. 24, 1923. Serial No. 634,413. 5 Claims. (Cl. 155—95.)



1. A swivel connection including a sleeve member and a collar member, one of said members being provided with a skirt portion slidably engaging the other member, internal lugs provided on each of said members and having notches, a coiled spring arranged within said members and having certain of its convolutions resting in said notches, one end of the spring being rigidly connected to one of said members and the other end of the spring being rigidly connected to the other of said members, means on one of said members for clamping the same to the standard of a stool, and means on the other member for clamping the same to the seat of said stool.

1,479,883. FIREPROOF LEGGING. EDISON L. WHEELER, Chicago, Ill., assignor to F. H. Wheeler Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 524,867. 12 Claims. (Cl. 36—2.)

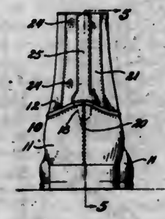


1. In a fire proof legging, the combination of a body portion of stiff non-conducting sheet material to fit the leg of the wearer, springs connected with the upper and lower ends of said body portion for encircling the leg of the wearer, and a covering of fire-resistant fabric covering said body portion.

12. In a fire proof legging, the combination of a body portion of stiff non-conducting sheet material shaped to fit the leg of the wearer, springs for encircling the leg of the wearer, a covering of fire resistant material, fastening devices extending through said body portion, said covering, and said springs, to secure said springs to the upper and lower ends of said legging and to secure said body portion and said covering together, said covering and springs extending rearwardly beyond each

edge of said body portion, and reinforcing metal bars connecting the ends of said springs, said covering extending beyond the ends of said springs on one side of the legging to form a flap to protect the back portion of the leg of the wearer.

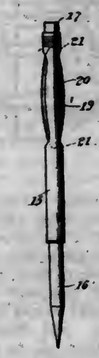
1,479,884. SHOE. ANDREW L. ZERN, Philadelphia, Pa. Filed July 22, 1922. Serial No. 576,730. 2 Claims. (Cl. 36—50.)



1. A shoe having its quarters separated in the rear, and having a counter-stiffener which has a notch in its upper rear edge beneath said separation; a flap fastened to the rear of one quarter and overlying the other quarter; and quickly detachable fastening means between the second quarter and the overlying part of the flap, said notch with the pliable shoe material covering it rendering the heel pliable at this point and facilitating spreading of the upper and removal of the foot.

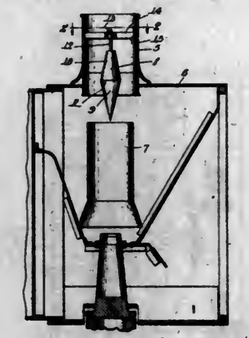
2. A shoe having a lower with a counter-stiffener which has a substantially V-shaped notch in its upper rear edge, said notch and the material of said lower permitting spreading of the upper side of said stiffener and rendering the rear of the upper pliable at this point; upper quarters open at the front and the back; lacing connecting the front of the quarters; a flap connected to the rear face of one of the quarters to overlie the other quarter; snap fasteners for connecting the flap to the last-named quarter; and a reinforcing strip at the back of the flap connected to the lower.

1,479,885. MAGNIFYING IMPLEMENT. CHARLES E. APPLER, Chicago, Ill. Filed May 4, 1917. Serial No. 166,339. 1 Claim. (Cl. 88—39.)



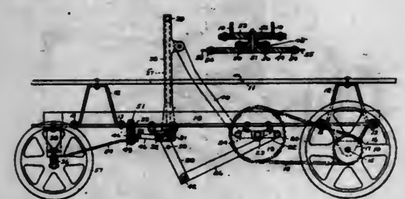
As a new article of manufacture, a tubular holder about the diameter of a pencil and having an extension at one end serving as a handle, said tubular holder having windows therein on opposite sides and a long narrow lens arranged longitudinally within said tubular holder with its magnifying surfaces exposed at said windows, the maximum thickness of said lens being no greater than the diameter of the tubular holder which supports and protects it.

1,479,886. STEAM-EXPANDING DEVICE. LEM ARNOLD, San Angelo, Tex. Filed Mar. 8, 1923. Serial No. 623,782. 4 Claims. (Cl. 162—4.)



1. The combination with the smoke stack of a railway locomotive, of a steam nozzle arranged beneath the same, and a steam expanding device concentrically arranged within the smoke stack, said device embodying a lower downwardly tapering stream expanding conical part and an upwardly tapering stream-line frustro-conical part, said parts having their large ends arranged at a point constituting the maximum diameter of the device, the upper end of the stream-line part terminating at a point remote from said maximum diameter.

1,479,887. VEHICLE. JOHN S. BITNER, Fort Wayne, Ind. Filed Nov. 28, 1921. Serial No. 518,146. 3 Claims. (Cl. 208—38.)

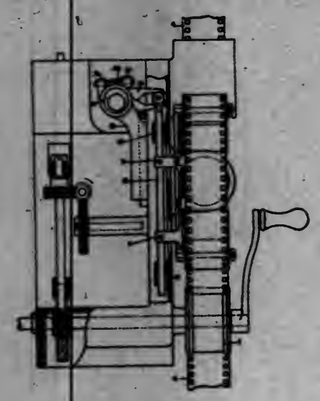


1. In a vehicle, the combination of a main frame, front and rear axles on the frame, the front axle being pivoted, wheels on the axles, a yoke pivoted at its opposite sides to the frame, a post revolubly mounted in the yoke rearwardly of the pivotal points of the yoke and adapted to be actuated by the occupant of the vehicle for rocking the yoke on its pivots, a transmission means between the yoke and the rear axle for driving the said axle, a member secured to the lower end of the post and rotatable therewith between the arms of the yoke, and a linkage means connecting the opposite ends of the said member and the opposite ends of the front axle for steering the vehicle.

1,479,888. CINEMATOGRAPH MECHANISM. GEORGE B. BOWELL, High Barnet, England, assignor of one-half to Gilbert Richard Redgrave, London, England. Filed Dec. 1, 1922. Serial No. 604,343. 10 Claims. (Cl. 88—18.)

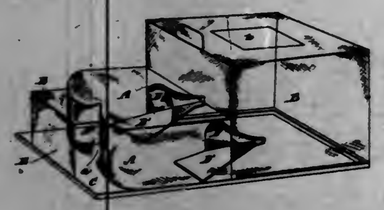
1. Cinematograph mechanism of the continuously moving film kind comprising a framework, a film guide mounted in said framework above the optical axis of projection, a film feed mounted in said framework below the optical axis, a reciprocating member adapted to move that portion of the film lying between said guide and said feed so that the upward motion of the member exactly compensates for the downward progression of

the film over the surface of said member and that part of the film where the optical axis crosses it is maintained stationary relatively to said optical axis, means



for actuating said member and means for controlling the motion of said member to allow of adjustment of its travel to agree with the pitch of the film.

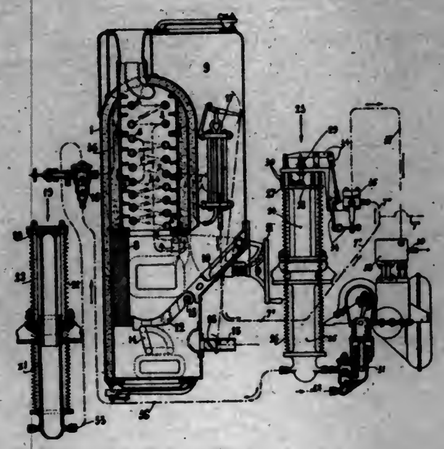
1,479,889. SPARROW TRAP. JOHN B. BROWN, Wakanui, Ashburton, New Zealand. Filed Nov. 17, 1919. Serial No. 338,483. 1 Claim. (Cl. 43—65.)



A sparrow trap formed by a bait chamber combined with a bird enclosure and having an inlet passage or passages leading from the bait chamber to the enclosure, a curved wall of such bait chamber having a concave inner surface, an inlet opening or openings in such curved wall and a screen arranged to extend across the outside of such opening or openings and disposed at a suitable distance therefrom, substantially as specified.

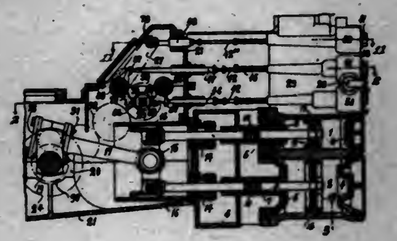
1,479,890. APPARATUS FOR REGULATING THE SUPPLY OF WATER TO INSTANTANEOUS STEAM GENERATORS. MAURICE BRUNET, Liege, Belgium, assignor to Maison Detilleux, Société Anonyme, Liege, Belgium. Filed Aug. 17, 1921. Serial No. 493,104. 3 Claims. (Cl. 137—153.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)

1. In apparatus for regulating the supply of water to an instantaneous steam generator, of the type wherein the output of the feed-pump is controlled through the action on the admission of driving fluid to said pump of a device influenced by the pressure in the generator, the combination in said device of: a hydraulic accumulator comprising a cylinder interposed on the feed-pipe and in communication with the generator therethrough, a guided plunger working in said cylinder and a spring resistance applied to said plunger and normally tending to retain same within its cylinder; a longitudinally movable spring-pressed adjustable finger arranged axially in relation to the plunger and having its lower end normally situated at a predetermined point in the path of said plunger's stroke; and a sytsem of suitably-ar-



ranged levers and connections, having one end-member in permanent operative relation with the upper end of said adjustable finger and the other end-member operatively connected to the valve controlling the admission of driving-fluid to the feed-pump; all substantially as described.

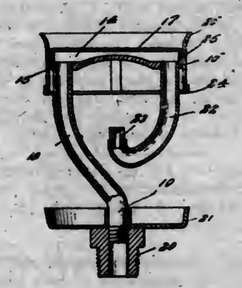
1,479,891. STEAM ENGINE. MAURICE BRUNET, Liege, Belgium, assignor to Maison Detilleux, Société Anonyme, Liege, Belgium. Filed Aug. 17, 1921. Serial No. 493,105. 1 Claim. (Cl. 121—105.)



In a valve distribution mechanism for compound steam-engines comprising high and low pressure cylinders, the combination of a set of admission and exhaust valves, suitably guided spring-influenced valve rods for said valves, a longitudinally fixed rotary main camshaft, cams on said camshaft composed of two portions arranged to control the said valves for forward and backward drive respectively, said cams increasing progressively in eccentricity from nil to a maximum in opposite directions from their adjacent ends, a pair of longitudinally slidable rocker-shafts extending parallel to the main camshaft, a set of rockers on each rocker-shaft, having one of their ends in operative contact with the main camshaft and the other end in operative contact with the said spring-influenced valve-rods, a set of auxiliary valves for controlling the distribution of live steam to the admission of the low pressure cylinder and the discharge of the steam from the exhaust of the high-pressure cylinder respectively, suitably guided

spring-influenced valve-rods for said auxiliary valves, a non-rotatable but longitudinally movable cam-member, extending parallel to the rocker- and main camshafts and having the free ends of the last-named valve-rods bearing thereon, a rigid connection between the rocker shafts and the said non-rotative cam-member, a single operating lever, cooperating with said rigid connection, for imparting jointly and simultaneously a longitudinal movement to the pair of rocker-shafts and a corresponding longitudinal movement to the non-rotative cam-member, and a set of suitable cams on the said cam member for operating the aforesaid auxiliary valves to admit live steam to the low-pressure cylinder and allow the discharge of the exhaust steam of the high-pressure cylinder, said cams being positioned on each side of a neutral so as to become operative only when, by the joint longitudinal movement of the respective rocker-shafts, the aforesaid rockers have reached a point of the corresponding cams of the main camshaft, on either side of said neutral, of suitably predetermined eccentricity in accordance with the fixed percentage of cut-off above which live steam should be admitted to the low-pressure cylinder, whereby the movement of the aforesaid single lever will produce at will driving in one direction and the other at any desired per cent of cut-off and automatically cause the exhaust steam of the high-pressure cylinder to be replaced by live-steam in the low-pressure cylinder when the percentage of cut-off reaches the aforesaid predetermined value substantially as described.

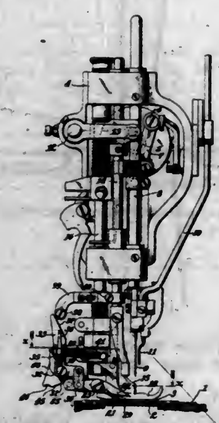
1,479,892. LIQUID-FUEL BURNER. JUAN ANTONIO XEREZ BURGOS, Malolos, Bulacan, Philippine Islands. Filed Dec. 12, 1922. Serial No. 606,438. 3 Claims. (Cl. 158—63.)



3. A burner for liquid fuel stoves comprising a horizontal retort section, a supply pipe section leading to said retort section and connected thereto at one end, a burner tube carrying section depending from said retort section at the other end thereof and bent to dispose the burner tip immediately below the center of said retort section, a flange supporting ring carried by said pipe sections immediately below said horizontal retort section and a heat confining annular band carried by said flange supporting ring and encircling said retort section, and a starting pan mounted upon the lower end of the supply pipe, a coupling also on the supply pipe and supporting the pan.

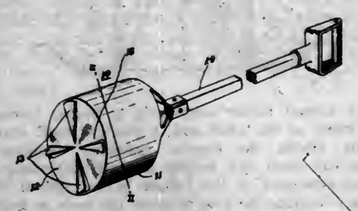
1,479,893. PICOT-EDGING ATTACHMENT FOR SEWING MACHINES. FREDERIC M. CARD, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 8, 1921. Serial No. 513,742. 7 Claims. (Cl. 112—125.)

1. The combination with a sewing machine adapted to make an open-work seam and including two presser-feet, of coacting blades disposed between the presser-feet rearward of the point of seam-formation, means operatively connected with the actuating mechanism of the



sewing machine to relatively move said blades to sever the fabric, and a shift-element operative during operation of the machine to render said blades inactive.

1,479,894. SAND-BORING IMPLEMENT. RICHARD F. CAREY, Moore, Pa. Filed Sept. 12, 1922. Serial No. 587,707. 4 Claims. (Cl. 255—67.)

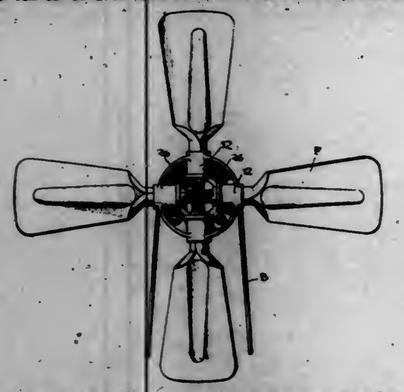


4. A toy for boring holes in sand or like material comprising a thin sheet metal cup member having a continuous cylindrical wall and a flat unitary bottom extending transversely of the cylindrical wall, said bottom having a plurality of openings with downwardly inclined bit members at the rear edges thereof, the bit members being constituted by material of the bottom which is bent down to provide the openings, a handle, integral tongues extending from the upper edge of the cup and secured to the handle, and means for securing the bottom of the cup to one end of the handle, said means including a downwardly tapered spreader below the bottom for forcing out the central core of material into the range of the bit members.

1,479,895. FAN. ELI FRANKLIN COLBY, Lake Mills, Iowa. Filed Oct. 31, 1922. Serial No. 598,148. 13 Claims. (Cl. 170—162.)

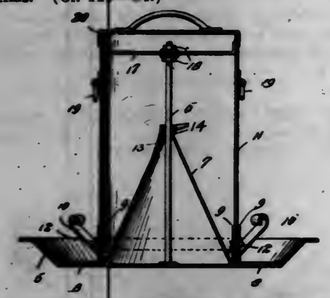
1. A fan blade supporting member, comprising a plate-like member having formed upon its front face a plurality of circumferentially arranged nipples, each

nipple terminating in spaced relation with respect to the center of said member at its inner end, and each



nipple protruding from the outer periphery of said member said member being adapted for attachment to a pulley.

1,479,896. ANIMAL FEEDER. JAMES W. COLEMAN, Moultrie, Ga. Filed Jan. 29, 1923. Serial No. 615,479. 2 Claims. (Cl. 119—54.)



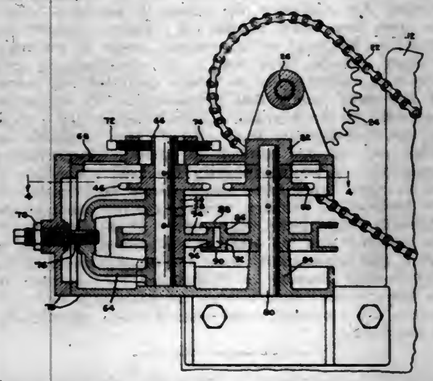
2. An animal feeder comprising a hopper having inclined walls on its lower end, a vertical shaft arranged centrally within the hopper, agitating elements pivoted on the shaft and having laterally extending arms disposed exteriorly of the hopper to be engaged by the animals to agitate the feed to cause the same to gravitate from the hopper, a pan supporting the hopper, bifurcated supporting elements carried by the pan in which the hopper is mounted.

1,479,897. SEWING-MACHINE SHUTTLE. EDWIN D. COLLINS, Beechwood, N. J., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed Feb. 11, 1922. Serial No. 535,723. 1 Claim. (Cl. 112—232.)



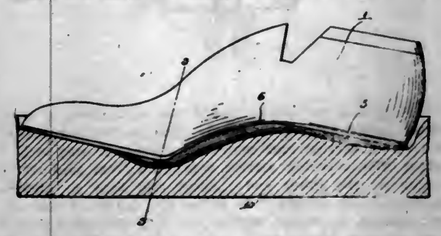
A sewing machine shuttle comprising a bobbin chamber, a fixed cross-bar extending across the inner end of the chamber, a fixed tubular post on said cross-bar centrally located in said chamber, an externally polygonal bobbin-core-engaging sleeve, mounted to rotate on said post, and adapted to bear on the internal surface of a bobbin core, salient angles of the sleeve being provided with barbs projecting outward from the sleeve and adapted to permit a bobbin to be readily positioned on the sleeve and to indent the core and resist removal thereof, and means associated with the post and sleeve for confining the sleeve against free removal from the post and for frictionally retarding rotation of the sleeve and a bobbin engaged therewith.

1,479,898. CARAMEL-FORMING MACHINE. JAMES N. COLLINS and EDWARD G. OSZMAN, Minneapolis, Minn., assignors to J. N. Collins Company, Minneapolis, Minn. Filed May 6, 1922. Serial No. 558,889. 1 Claim. (Cl. 107—12.)



A caramel forming machine comprising a support, a shaft, a forming roller secured to said shaft, a second shaft, a cooperating forming roller secured to said second shaft, a housing for said rollers, a yoke having two bearings for said second shaft, a screw-threaded member received in a screw-threaded opening in said yoke and rotatably carried by said housing, means for securing said screw-threaded member against rotation, a third bearing for said second shaft mounted in a slot in said housing, set screws for securing said third bearing in adjusted position, and means for supplying caramel material to the space between said rollers.

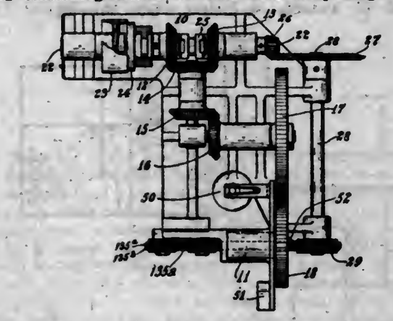
1,479,899. METHOD OF MAKING SHOES. OLIVER E. DE RIDDER, Rochester, N. Y. Filed Jan. 20, 1923. Serial No. 613,995. 3 Claims. (Cl. 12—142.)



2. A method of making shoes which consists in providing a last with an inner sole in a moistened condition attached to the bottom thereof, applying pressure through a member of yielding material to such inner sole to cause the inner sole to conform to the under side of the last, stitching the upper to the inner sole, and then completing the other operations of making the shoe.

1,479,900. METHOD AND MACHINE FOR MAKING CABLED STRUCTURES. JOHN A. DORNER and FRED CLINTON FRANCISCO, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 443,072. 14 Claims. (Cl. 117—5.)

1. A winding machine comprising a ring winder, means including a drive roller adapted to propel an endless core in a straightened path through said ring winder, and tensioning means for said core comprising a plu-



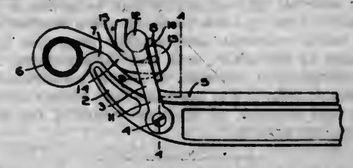
rality of rollers mounted upon a common support and means for moving said support toward and from the aforementioned drive roller.

1,479,901. HULL OF FLYING MACHINES. CLAUDIUS DORNIER, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,552. 4 Claims. (Cl. 244—14.)



1. Flying machine comprising in combination a hull the middle portion of which has a cross-section resembling a hollow inverted T and driving gear on the lateral portions of said hull.

1,479,902. STRAP WRENCH. WILLIAM A. ELLISON, Salem, Mass., assignor to David F. Murphy, Salem, Mass. Filed Aug. 2, 1922. Serial No. 579,122. 2 Claims. (Cl. 81—64.)



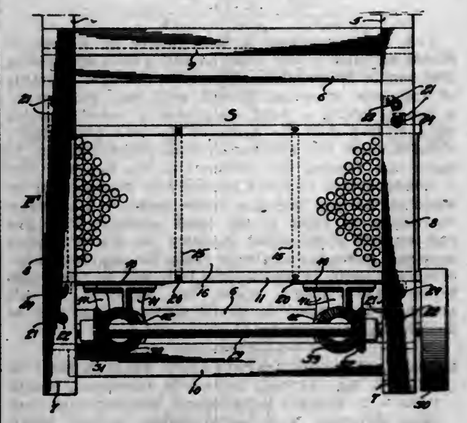
1. A strap pipe wrench comprising a handle having a curved gripping nose, a shackle pivoted to the handle, an anchoring member independent from the shackle but adapted to engage the latter, said anchoring member having a plurality of strap-receiving slots extending through it, each of which slots is of a size to have a strap threaded therethrough, and a strap arranged to be passed through the shackle over the nose and around the pipe to be gripped, thence back through the shackle and through one slot of the anchoring member and around a portion thereof, and through the other slot of said anchoring member and the shackle.

1,479,903. COMBINATION HAMMOCK AND BAG. KNUD ERLAND, Seattle, Wash. Filed Oct. 29, 1921. Serial No. 511,490. 3 Claims. (Cl. 190—42.)



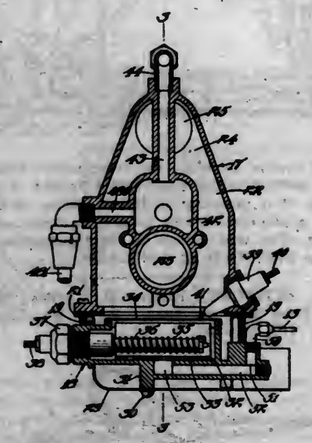
1. A device of the class described comprising a flexible piece of material in the shape of a hammock, hems on the sides of the material, other hems on the ends of the material, cords inside of the hems, eyelets in the hems, cords in the eyelets of the end hems, rings in the outer ends of the cords at the ends of the material, handles on the material and a blanket with tapes in which are eyelets.

1,479,904. COMPOUND GYRATORY SCREENING DEVICE. HENRY WILLIAM FALKER, Ashland, Pa. Filed May 1, 1922. Serial No. 557,549. 5 Claims. (Cl. 83—38.)



1. A screening device including a flexibly suspended screen and means for imparting a gyratory motion to the ends of the screen in opposite directions.

1,479,905. HEATER FOR INTAKE MANIFOLDS FOR INTERNAL-COMBUSTION ENGINES. STEPHEN IVAN FERETS, Detroit, Mich., assignor to Essex Motors, Detroit, Mich., a Corporation of Michigan. Filed Apr. 19, 1921. Serial No. 462,541. 9 Claims. (Cl. 123—180.)



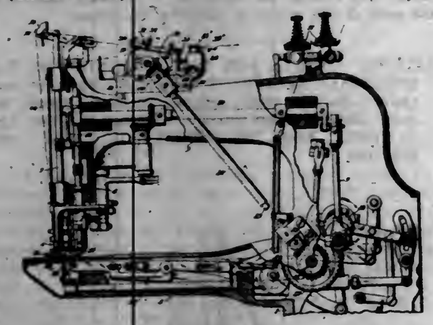
1. The combination with the intake manifold of an internal combustion engine, of a burner for heating said manifold, said burner having a fuel pit and a fuel inlet communicating with the bottom of said pit, means in said fuel pit for heating and vaporising the fuel therein, and means for supplying liquid fuel to said inlet.

1,479,906. MOP. WILLIAM H. FISHER, Brockton, Mass. Filed Sept. 11, 1922. Serial No. 587,306. 3 Claims. (Cl. 15—153.)



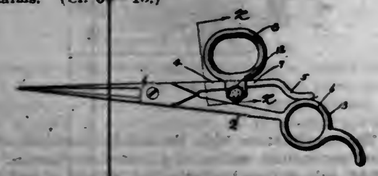
1. A mop comprising a body formed of strands of fibrous material to form a flat bundle, a band surrounding said bundle intermediate of its ends having a plurality of grommets extending through said band and bundle, a handle having a head comprising a lower clamping plate shorter than the width of the mop presenting a rounded under face and having studs projecting from its upper face through the grommets in the mop body and a complementary clamping member also shorter than the width of the mop having a handle socket and apertures to receive the studs of the lower clamping plate and nuts on said studs acting to clamp the plates together upon said gommets and also to clamp the mop body therebetween whereby in use the mop body will be firmly held between the clamping plates, but prevented by said grommets from being so tightly clamped as to prevent dismantling of the clamping plates and mop.

1,479,907. THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. GEORGE S. GATCHELL, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Feb. 3, 1920. Serial No. 356,007. 7 Claims. (Cl. 112—248.)



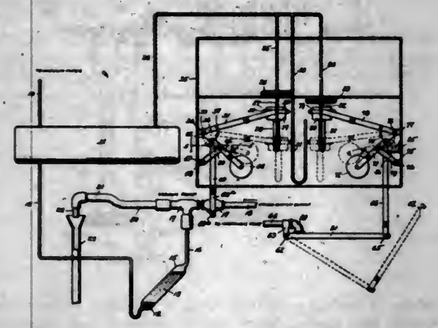
1. In a sewing machine, the combination with a plurality of needles having their eyes arranged at different elevations, of a plurality of thread-tension devices one for each needle-thread, and actuating means operating successively close said devices on their respective threads during the down-stroke of said needle.

1,479,908. SCISSORS. ALBERT H. GOSHIA, Sherwood, Ohio. Filed Mar. 20, 1923. Serial No. 626,324. 4 Claims. (Cl. 30—13.)



4. In a scissor having a shank, a finger loop slidably mounted thereon, and arranged to slide with the movement of the hand of the operator.

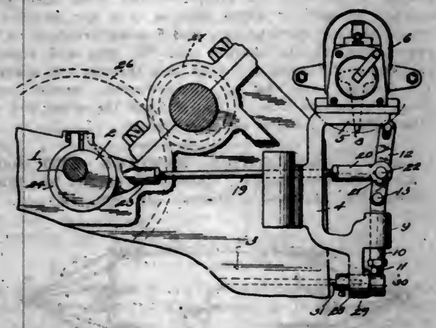
1,479,909. VACUUM-CONTROL APPARATUS. JOHN J. GRAFFLIN, Atlanta, Ga. Filed Aug. 18, 1921. Serial No. 492,181. 5 Claims. (Cl. 230—24.)



1. Apparatus responsive to change of pressure comprising in combination a chamber, a liquid reservoir exposed to the pressure within said chamber, a second reservoir exposed to a different pressure from that in the chamber, one of said reservoirs being movable with respect to the other, connecting means whereby said apparatus may be governed by the movement of the movable reservoir and a conduit of relatively small sectional area leading from one of said reservoirs to the other; said reservoirs adapted to contain alternately a quantity of liquid transferable thru said conduit from one to the other upon change of pressure within said chamber, to effect movement of the movable reservoir by gravity.

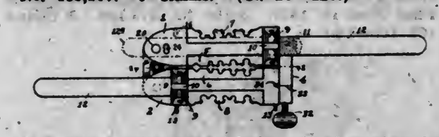
3. Apparatus responsive to change of vacuum comprising in combination a vacuum chamber, an upper liquid reservoir exposed to the vacuum within said chamber, a lower reservoir exposed to atmosphere, one of said reservoirs being movable with respect to the other, connecting means whereby said apparatus may be governed by the movement of the movable reservoir and a conduit of relatively small sectional area leading from one of said reservoirs to the other; said reservoirs adapted to contain alternately a quantity of liquid transferable thru said conduit from one to the other upon change of vacuum within said chamber, to effect movement of the movable reservoir by gravity.

1,479,910. SAFETY DEVICE FOR IGNITION MECHANISM. CORNELIUS B. HARDMAN, Columbus, Ohio. Filed Oct. 26, 1922. Serial No. 596,949. 2 Claims. (Cl. 123—149.)



1. In combination with the timing shaft of an internal combustion engine, of a magneto controlling arm, a tripping arm having a yieldably supported member carried thereby for engaging the magneto arm to oscillate the same, and means for oscillating the tripping arm.

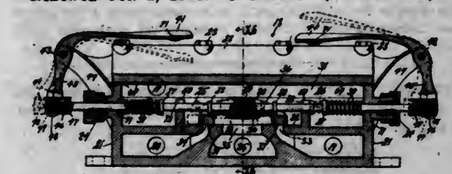
1,479,911. ADJUSTABLE THREAD CUTTER. REUBEN H. HARPER, Chicago, Ill. Filed July 7, 1921. Serial No. 483,107. 9 Claims. (Cl. 10—125.)



2. A thread cutter comprising a pair of members having die faces on opposite sides, a plate pivoted to one of the members and having a recess therein, an adjusting nut and a screw therefor seated in the recess in the plate and the screw pivoted to the other member.

7. In a hinged tool, a pair of members, a hinged plate pivoted to one of the members, means forming an adjustable connection movable with respect to the plate and pivoted to the other member, graduations on opposite sides of the hinge plate, and a pointer on the member to which the hinge plate is not directly pivoted corresponding to the graduations at the sides of the hinge plate.

1,479,912. ONE-MAN CONTROL FOR TRACTOR AND TRUCK ATTACHMENTS. MORTIMER A. HARRISON, Madera, Calif. Filed Aug. 10, 1920, Serial No. 402,715. Renewed Oct. 2, 1923. 6 Claims. (Cl. 303—50.)



1. The combination with a truck or tractor and a device drawn thereby and provided with an operable part; of a compressed air cylinder having a piston therein connected to operate said operable part; a source of compressed air; a pipe leading from said source; air connections communicating with opposite ends of the cylinder; and a valve on the tractor and arranged between the pipe and said air connections to control the admission and exhaust of air to and from the opposite ends of the cylinder to operate the piston in said cylinder.

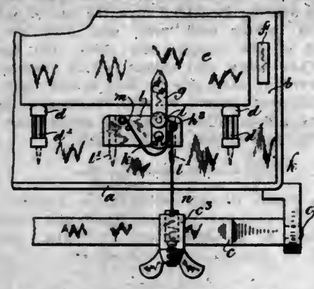
1,479,913. BUCKLE. WILLIAM E. HATHEWAY, Bridgeport, Conn. Filed Feb. 24, 1923. Serial No. 620,872. 3 Claims. (Cl. 24—184.)



1. A buckle construction comprising a frame and a lever journaled thereto, said frame having a floor, elongated sections of the floor pierced therefrom to form clamping means for anchoring webbing to the floor, means whereby said sections are reduced and made shorter than the openings in the floor from which said sections were pierced, so that webbing can be secured between the ends of the sections and walls of said openings.

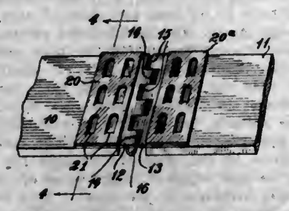
1,479,914. SHEET ADJUSTER FOR PRINTING PRESSES. HENRY S. HORNBECK, Union Hill, N. J. Filed Dec. 8, 1921. Serial No. 520,909. 1 Claim. (Cl. 101—414.)

A sheet adjuster for printing presses comprising movable and opposed fingers adapted to receive between them with a yielding pressure the sheet to be printed, a yielding cushion interposed between the fingers, means



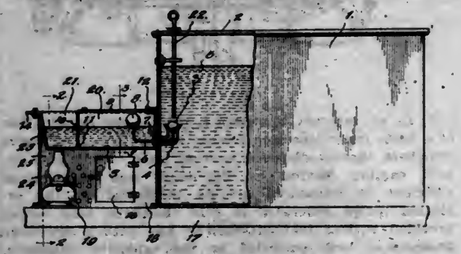
to press the fingers together, and means to move the fingers to carry the sheet with them until its movement is resisted.

1,479,915. CONNECTING DEVICE FOR BELTS. GEORGE E. HULSE, New Haven, Conn., assignor to Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed July 14, 1922. Serial No. 574,923. 6 Claims. (Cl. 24—33.)



1. In a device of the general nature of that herein described, in combination, a connecting member having a belt end secured thereto at one end thereof and having a plurality of openings in substantially the other end thereof, and means for securing another belt end to said connecting member including a plurality of belt-engaging members integrally connected with one another and separate from said connecting unit and each passing through one of said openings to engage said belt end.

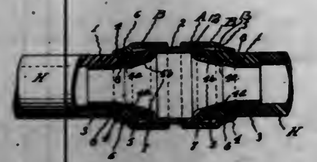
1,479,916. STOCK-WATERING APPARATUS. JOSEPH M. JACOBS, Tampico, Ill. Filed Dec. 22, 1919. Serial No. 346,768. 1 Claim. (Cl. 119—73.)



In a stock watering apparatus, the combination of a sheet metal housing having sides (15) and ends forming a chamber, with a flange along the upper edges of said housing, a sheet metal trough curved in cross section and formed with a flange (14) to rest on said flange of the housing, so that upwardly diminishing spaces (25) are formed which extend upward to said flanges at each side of the trough, a flat sheet metal cover (9) having a vertical end wall (10) forming a partition in said trough, with provisions to permit the water to pass from one side of said partition to the other, bolts (13) passing

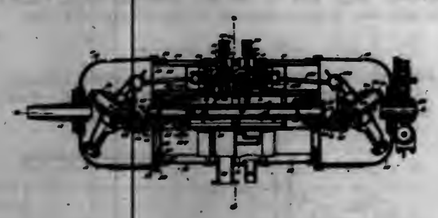
through said flange and cover to hold the latter in place, projections (12) bent inward from the upper edge of one end of the housing to extend over the end of said cover, so that by raising said cover said partition is also raised out of the trough, said sides (15) forming a chamber (18) below said trough, which chamber terminates upward at each side in said spaces (25), a door for said chamber, means in said chamber to heat said trough, and means adjacent to said projections (12) to supply water to this end of the trough.

1,479,917. HOSE CLAMP. EDWARD A. JOHNSON, Brooklyn, N. Y., assignor to Apex Specialties Corporation, New York, N. Y. Filed Nov. 20, 1919. Serial No. 339,256. 4 Claims. (Cl. 285—79.)



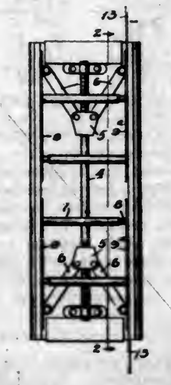
1. A hose clamp comprising, a thimble having tapered portions at each of its ends and straight nose portions; screw caps engageable with said tapered portions for providing zones of compression for the hose ends; and a relief chamber adjacent to each zone of compression for receiving a hose end and adapted to turn the hose end in said chamber in direction outwardly relative to the axis of the thimble for preventing withdrawal of the hose end from the chamber; the straight nose portions being insertible in the ends of the hose for interiorly supporting the hose adjacent to the zones of compression for preventing breaking of the hose at said zones.

1,479,918. MULTICYLINDER INTERNAL-COMBUSTION ENGINE. ALBERTO LLEO and CLAUDIO BARADAT, Barcelona, Spain; said Baradat assignor to said Lleo. Filed Jan. 5, 1920, Serial No. 349,652. Renewed Oct. 4, 1923. 14 Claims. (Cl. 123—58.)



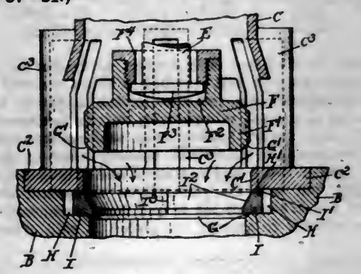
1. In an internal combustion engine, the combination of a main central casting having a plurality of explosive chambers therein disposed concentrically about an axis, said casting having a ruggedness and massiveness sufficient to withstand strains incidental to the explosion forces generated in said chambers, said casing provided with a fuel passageway and with a discharge passageway both encircled by the explosive chambers, conduits leading from each of said passageways to the exterior of the casting, valves for controlling the flow of gases from the fuel passageway into the explosive chambers and for controlling the flow therefrom into the discharge passageway, a relatively light cylinder shell construction at opposite longitudinal ends of the casting including piston cylinders fitted to the casting and constituting continuations of each of the explosive chambers at opposite ends thereof and balanced pistons in said light shell cylinders exposed to the common explosive chamber.

1,479,919. LOOSE-LEAF BINDER. ARTHUR R. MEYER and ELMER A. REED, Chicago, Ill., assignors to Wilson-Jones Loose Leaf Company, a Corporation of Illinois. Filed June 18, 1921. Serial No. 478,490. 5 Claims. (Cl. 129—12.)



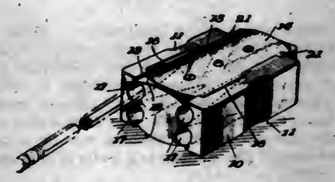
5. In a loose leaf binder, a longitudinally shiftable leaf-holding unit comprising a pair of leaf-holding posts, and means for shifting said unit comprising a rotatable cam device having a cam-like engagement with said unit.

1,479,920. VALVE. CHARLES E. MILLER, Chicago, Ill. Filed Apr. 27, 1922. Serial No. 556,905. 18 Claims. (Cl. 37—21.)



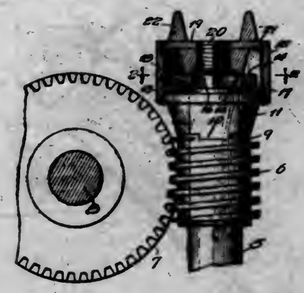
1. In combination with a valve seat a seat protecting member adapted when the valve is opened to cover the valve seat and when the valve is closed to expose the seat to the valve.

1,479,921. COMPOUND TOOL. JEROME J. MILLER, Chadron, Nebr. Filed Apr. 4, 1923. Serial No. 629,871. 2 Claims. (Cl. 120—93.)



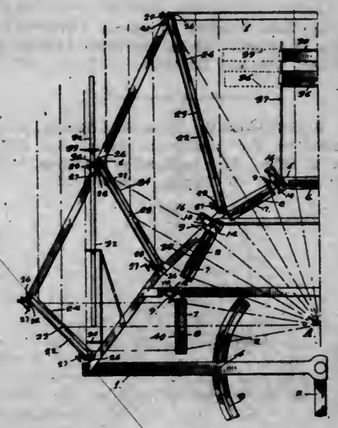
1. A pencil sharpener including a body having a pencil receiving and guiding bore and a blade receiving surface along and through one side of which the bore opens, said body having undercut shoulders at opposite sides of its said blade receiving surface, cut away intermediate the ends thereof along the major portion of the length of said bore.

1,479,922. PROTECTING DEVICE FOR MACHINES. LOUIS E. MITCHELL, Chicago, Ill., assignor to Morgan Gardner Electric Co., Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,951. 7 Claims. (Cl. 287—53.)



3. A driving device comprising a shaft having an angular driving portion, a washer engaging with said portion and having a depending flange, a nut for holding the washer, a clutch member having projections engaging with recesses in said flange and a worm driven by said clutch member, said clutch member having an upwardly extending rim to form a cup for retaining the pieces when the washer is broken.

1,479,923. SOLAR FURNACE. MARCEL E. MOREAU, San Francisco, Calif. Filed Apr. 10, 1922. Serial No. 551,294. 11 Claims. (Cl. 126—270.)

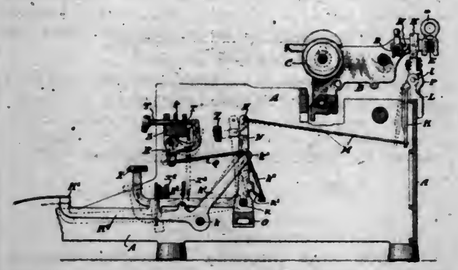


5. A solar furnace comprising a fixed lens arranged transversely to the path of solar rays; a plurality of lenses arranged adjacent to the fixed lens and having their focal points concentrated on the focal point of the fixed lens; adjustable mirrors arranged to reflect solar rays parallel to the rays entering the fixed lens into the other lenses whereby an intense heat may be produced at said common focal point; and means for preventing a portion of said solar rays from passing through any one of said lenses.

1,479,924. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,722. 13 Claims. (Cl. 197—63.)

1. In a typewriting machine, a carriage provided with a margin stop rail and a tabular stop rail, end margin stops and an intermediate stop on said margin stop rail,

one or more stops on the tabular rail, a center stop adapted to engage any of said stops, a vertically arranged lever operatively connected with the center stop, means under the control of the operator and connected with



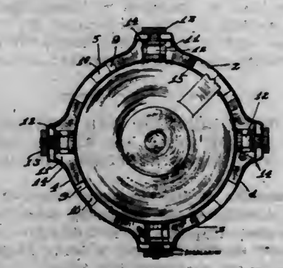
said vertical lever for settting the center stop in three positions to engage the margin stops, the intermediate stop, or the tabular stops, and devices for locking said setting means to hold the center stop in one position to which it is set.

1,479,925. CYLINDRICAL RAVIOLI SHAPER, SEALER, AND CUTTER. ROSA OLERI, San Francisco, Calif. Filed May 15, 1923. Serial No. 639,107. 3 Claims. (Cl. 107—51.)



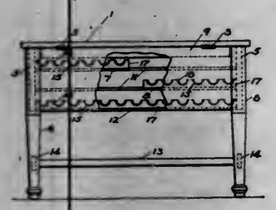
1. A pastry shaper, sealer and cutter comprising a wooden core provided with a plurality of circumferential projections thereon, a plurality of wooden strips attached to the edges of the projections and extending thereon parallel to the axis of the core, and a plurality of metal corrugated strips extending around each of the projections of the core and along each wooden strip.

1,479,926. TIMER HOUSING. JESSE C. OSBORN, Chicago, Ill., assignor to J. W. Duntley, Chicago, Ill. Filed Apr. 3, 1920. Serial No. 370,986. 7 Claims. (Cl. 200—24.)



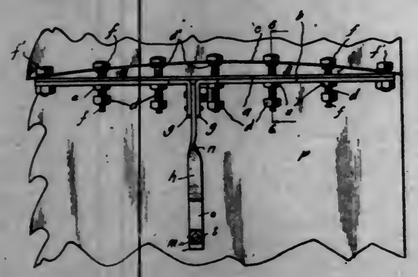
1. A timer housing comprising a plurality of interfitting chambered metal sections, insulating means in each of said sections, and means for introducing and securing a conduit in one of said sections.

1,479,927. PIANO BENCH. GEORGE J. RAUPPE and DAVID CORNFOOT, Buffalo, N. Y. Filed Aug. 16, 1922 Serial No. 582,155. 3 Claims. (Cl. 45—64.)



2. A piano bench comprising a supporting structure including a compartment with solid front, rear and end panels and open at its top, legs for sustaining the compartment, a seat hinged at its forward portion above the compartment, grooves in said front and rear panels, and a roll holder adapted to be slidably mounted in said grooves, said roll holder having brackets with semi-circular openings for supporting and spring clamps to form a curved contact for holding said music rolls, substantially as described.

1,479,928. SAW GAUGE. JERRY RICKER, Enterprise, Oreg., assignor to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana. Filed Nov. 18, 1922. Serial No. 601,788. 6 Claims. (Cl. 33—202.)



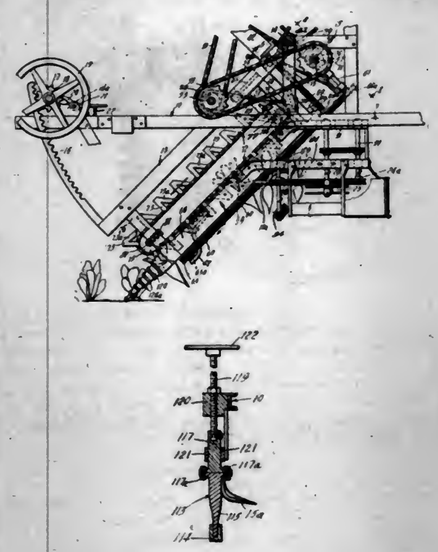
1. A saw gauge of the character described comprising a stock of rigid construction, a flexible band, means for securing the band to the stock at longitudinally spaced points and operable to flex portions of the band along its length to variable curves, and means for tilting the stock at variable angles with a straight surface.

1,479,929. BEET DIGGING AND CONVEYING MACHINE. ALVA M. RICKS, Los Angeles, Calif. Filed June 26, 1920. Serial No. 392,053. 10 Claims. (Cl. 55—9.)

1. In a machine of the character described beet digging means embodying soil disturbing means embodying a plow member adapted to be arranged well below the surface of the ground, and a blade adapted to be arranged nearer the surface of the ground.

7. In a machine of the character described beet digging means comprising in combination, soil disturbing means, two co-operating bits operating above the ground, and a transverse soil engaging member operating under the surface of the ground and extending under the bits, said member and bits cooperating to handle beets.

10. In a machine of the character described beet digging means comprising in combination a plow adapted to plow a furrow alongside a row of beets, a transverse



soil engaging blade adapted to extend across the row of beets and to assist in lifting the beets, and means to engage the beet tops and lift them.

1,479,930. HOBBYHORSE. EDNA G. ROBESON, Atlanta, Ga. Substitute for application Serial No. 220,035, filed Mar. 2, 1918. This application filed Aug. 8, 1922. Serial No. 580,581. 5 Claims. (Cl. 46—22.)



1. In a device of the character described, in combination, a body member, a support rigidly connected therewith and about which the body member rocks, roller means at the end of said support, legs pivoted to the rear part of said body member whereby as the body member tilts forwardly said legs will swing toward said support, and means to limit the pivotal movement of the legs.

1,479,931. DRIVING WHEEL. OTTO SEVERIN RUUD, Rymoen, near Roverud Station, Norway. Filed Oct. 3, 1922. Serial No. 592,167. 1 Claim. (Cl. 301—41.)

In a driving wheel, the combination of a disc; lugs of circular cross section tapered at their traction points, each comprising two spirals integrally connected at their

traction points and their respective free ends extending in different directions and to opposite sides of said disc;



and rivets for securing the respective ends of two adjacent lugs together and to said disc.

1,479,932. PIN TONGUE. LOUIS E. SADLER, Attleboro, Mass. Filed Oct. 2, 1922. Serial No. 591,840. 1 Claim. (Cl. 24—160.)



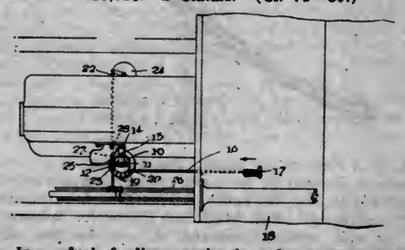
In a pin tongue, a body having an eye at one end, and a cup having a bottom and a rim, the rim having a slot extending transversely thereof, the eye being received in the cup and extending through the slot and having one side face thereof seated on the cup bottom, the free edge of the rim being extended inwardly and impinged against the opposite side face of the eye, the bottom of the cup having an aperture in register with the eye.

1,479,933. SHEET-METAL ROAD WHEEL. HAROLD B. SANKEY, Wolverhampton, England. Original application filed Nov. 11, 1919, Serial No. 337,361. Divided and this application filed Feb. 27, 1922. Serial No. 539,574. 3 Claims. (Cl. 301 6.)



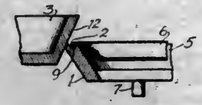
2. A sheet metal disc wheel comprising an outer disc member, a flange at the outer edge of said outer disc member, an inner disc member and a flange at the outer edge of said inner disc member, and means by which said outer disc member is secured at its inner edge to said inner disc member.

1,479,934. FOOT FEED FOR AUTOMOBILES. ALFRED E. SCHALLER, Maywood, Mo. Filed Sept. 27, 1920. Serial No. 413,016. 2 Claims. (Cl. 74—89.)



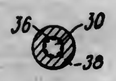
1. In a fuel feeding mechanism for automobiles, a throttle attaching rod, foot-operable means for said rod, manually operable means for said rod having a slip connection thereon, a stop for said manually operable means on said throttle actuating rod, a rocker having a plurality of openings therethrough in a path around its axis, said rod having a swivel intermediate its length and adjacent one end, said end being selectively attachable in said openings, and an actuating element for said rocker selectively attachable to said openings.

1,479,935. CRUST-TRIMMING MECHANISM FOR PIE-MAKING MACHINES. DENNIS WOOD SMITH, Chicago, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1922. Serial No. 584,243. 3 Claims. (Cl. 107—1.)



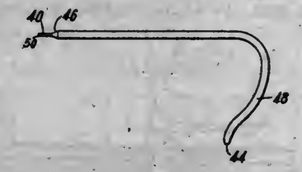
1. A device of the class described comprising a crust trimming element having a trimming surface, a carrier including a pie-tin support having a trimming edge of greater diameter than the pie-tin, and mechanism for moving said carrier along a path to bring said trimming edge into engagement with said trimming surface for trimming a pie crust.

1,479,936. METHOD OF MAKING SPECTACLE TEMPLES. FREDERICK A. STEVENS, Providence, R. I., assignor to Stevens and Company, Inc., Providence, R. I., a Corporation of Rhode Island. Original application filed June 22, 1921, Serial No. 479,479. Divided and this application filed Sept. 1, 1921. Serial No. 497,641. 3 Claims. (Cl. 18—59.)



1. The method of making a spectacle temple that comprises mounting a reinforcing rod in a seamless zylonite tube, bending the tube with the reinforcing rod therein to the shape of a temple, and permitting the zylonite tube to shrink into tight engagement with the reinforcing rod.

1,479,937. SPECTACLE TEMPLE. FREDERICK A. STEVENS, Providence, R. I., assignor to Stevens and Company, Inc., Providence, R. I., a Corporation of Rhode Island. Original application filed June 22, 1921, Serial No. 479,479. Divided and this application filed July 1, 1922. Serial No. 572,154. 6 Claims. (Cl. 88—52.)

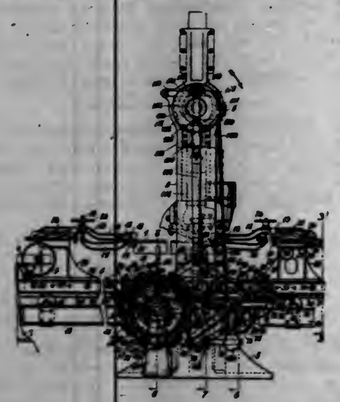


1. A spectacle temple comprising a seamless zylonite tube and a reinforcing rod in the tube, the rear portion of the tube with the reinforcing rod therein being bent to the shape of a temple, and the temple being adapted to be hinged at the forward end.

1,479,938. SPACING DEVICE. FREDERICK C. STIENING, Glenshaw, Pa. Filed Aug. 25, 1921. Serial No. 495,361. 42 Claims. (Cl. 64—117.)

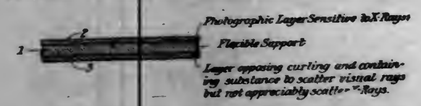
1. In a spacing device, in combination with operating means to repeatedly operate upon an object, a carriage

for said object, intermittently and positively acting feeding mechanism for said carriage, a templet fed directly



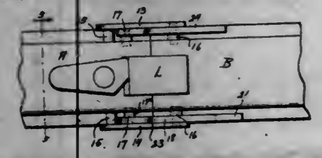
with said carriage by said carriage feeding mechanism, and means whereby said templet positively controls said feeding mechanism.

1,479,939. PHOTOGRAPHIC FILM FOR X-RAY WORK. ALBERT F. SULZER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 27, 1922. Serial No. 590,970. 4 Claims. (Cl. 95—9.)



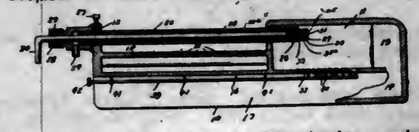
1. An article of manufacture comprising a supporting flexible sheet of light transmitting material having on one surface thereof a coating of material sensitive to X-rays and upon the other surface a coating of material tending to counteract the tendency of the supporting sheet to curl because of the first mentioned coating, said second mentioned coating comprising material capable of scattering visual rays but not appreciably absorbing or scattering X-rays.

1,479,940. COLLAPSIBLE RIM FOR AUTOMOBILE TIRES. HARRY SWERDLOW, New York, N. Y. Filed Feb. 17, 1923. Serial No. 619,683. 17 Claims. (Cl. 301—33.)



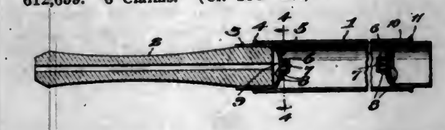
10. A tire rim split at one point, spaced links each pivoted at one end to one section of the tire rim and at its opposite end to the other section of the tire rim, a member arranged adjacent each of said links and pivoted to one of the sections, each of said members having a slot receiving the pivot of its adjacent link to the other of the sections, the slot of one of said members coacting with the engaged pivot to lock the rim in its fully contracted position, the slot of the other of said sections being formed to coact with the pivot of said link to form a stop positively limiting movement of the rim sections to expanded position at a point between the expanded position and the contracted position maintained by the first named member, the first named member forming a lever providing for contraction of the rim sections.

1,479,941. GAS BURNER. FRANK M. TAYLOR, La Fayette, Ind., assignor of one-half to Martin J. Somers, Minneapolis, Minn., and one-half to Valley Taylor, La Fayette, Ind. Filed May 11, 1922. Serial No. 560,132. 4 Claims. (Cl. 158—65.)



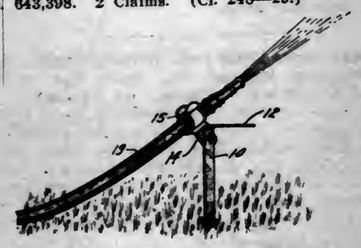
1. A burner of the class described having a mixing chamber, means to admit fuel thereto, means to admit air to said chamber in quantities regulated relative to the quantity of fuel admitted, a substantially straight wall above and parallel with the base of the burner having an inlet opening therethrough, shutter members pivotally mounted in said opening, a slidable rod operable from a distance loosely connected to said shutter members, and guide elements for the rod depending from said wall.

1,479,942. CIGARETTE HOLDER. JEAN G. THEOBALD, Attleboro, Mass. Filed Jan. 15, 1923. Serial No. 612,659. 6 Claims. (Cl. 131—10.)



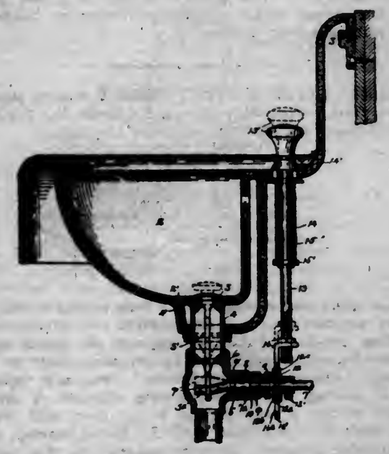
1. In a collapsible cigarette holder, a tubular body open at each end and affording a holder for the cigarette and a housing for the mouthpiece, a cap on the inner end of the mouthpiece having a bead intermediate its ends and having either of the latter receivable in the body, said cap having an end wall and a hollow knob extending out from the end wall, the knob being formed with a central opening and with radial openings, and a cap of a similar construction having each of the ends thereof, receivable in the body for closing the opposite end of the body in one position and in a reversed position affording a holder proper for the cigarette.

1,479,943. SUPPORT FOR GARDEN HOSE. JAMES THOMPSON, Greeley, Colo. Filed June 4, 1923. Serial No. 643,398. 2 Claims. (Cl. 248—29.)



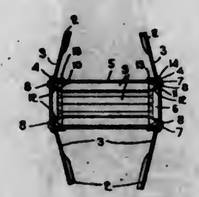
1. In a support for garden hose comprising a vertical standard, pointed at its lower extremity and turned at right angles near its upper extremity to form a handle the combination of an angle clip pivoted to the vertical leg of said vertical standard; a resilient hose clamp pivoted to the horizontal leg of said angle clip and spring means at both said pivoted points holding the pivoted parts in frictional engagement.

1,479,944. WASTE-VALVE MECHANISM. ORVIS W. VALLIER, Watertown, N. Y., assignor to J. B. Wise Incorporated, Watertown, N. Y., a Corporation of New York. Filed Apr. 23, 1923. Serial No. 633,952. 6 Claims. (Cl. 4—200.)



1. A waste valve mechanism, including a valve, a crank-rod, operatively connected with said valve, a disc carried by said crank-rod having a socket; and a reciprocatable member having an opening to operatively receive said disc and having an inwardly facing tooth engaging said socket for rocking said crank-rod.

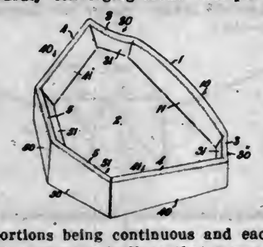
1,479,945. WHEEL CONSTRUCTION. ANDREW O. VESTINE, Watertown, Mass., assignor to Watertown Pressed Steel Company, Watertown, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1921. Serial No. 506,511. 3 Claims. (Cl. 301—105.)



3. A wheel comprising a pair of complementary hub members having apertures located at predetermined distances from their centers, a tubular barrel intermediate of said hub members having integral tongues extending through the apertures in said hub members and operable when deformed to lock said hub members upon said barrel, a series of rollers having reduced end portions circumferentially arranged within the chamber of said barrel and retaining caps engaging the ends of said barrels having apertures to receive said tongues and clamped thereupon by the said hub members and having lips underlying the tapered ends of said rollers.

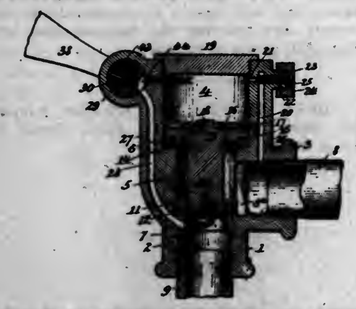
1,479,946. DENTURE-MODEL FORMER. COLEMAN B. WARREN, Norfolk, Va. Filed Feb. 19, 1923. Serial No. 620,000. 4 Claims. (Cl. 32—6.)

1. In dental model formers, a metal cup including a back wall portion whose ends terminate in forwardly diverging portions, forwardly converging side wall portions and forwardly converging front wall portions, the



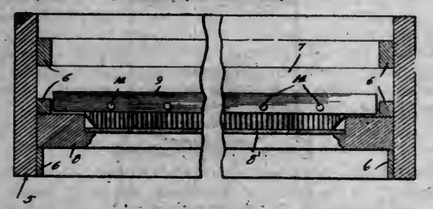
several wall portions being continuous and each including inward and downward inclines that merge with the bottom of the cup.

1,479,947. AUTOMATIC TOILET FLUSH. CHARLES H. WAY, Lansing, Mich. Filed Aug. 29, 1919. Serial No. 320,643. 1 Claim. (Cl. 137—93.)



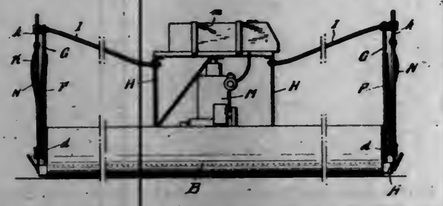
1. A flushing structure for toilets comprising a casing having a connection for a service pipe and a connection for a flush pipe, a reciprocable plunger in the casing having a normal tendency to move by gravity into position for closing communication between the service and flush pipes, a duct leading from the service pipe to the interior of the casing on that side of the plunger remote from the flush pipe, a rockable valve interposed and working in an enlargement of the casing and provided with a spanning cavity, a duct leading from said cavity to the flush pipe, a diametric passage extending through the valve from the cavity to the opposite side of the valve, and a short duct leading from the same side of the plunger to said cavity, whereby water at service pressure will pass through the short duct and through the said diametric passage to and against the walls of the valve body.

1,479,948. WEATHER STRIP. CLYDE MARION WOLF, Hillsdale, Mich. Filed June 7, 1923. Serial No. 644,052. 2 Claims. (Cl. 20—69.)



1. In combination with the opposed rails of adjacent sashes, a weather strip including a body portion, a strip of flexible material secured to the body portion, parallel members of fibrous material embedded within the flexible material, and said flexible material adapted to underlie the space between the adjacent sashes.

1,479,949. DEVICE FOR FINISHING CONCRETE PAVEMENTS. WALTER L. ASHMORE, Macon, Ga. Filed Apr. 15, 1922. Serial No. 553,008. 9 Claims. (Cl. 94—45.)



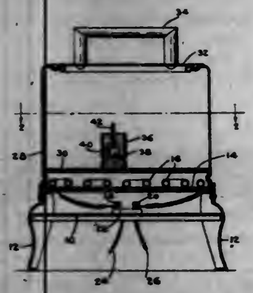
1. A device for finishing concrete pavements and the like comprising a pair of rollers, a pressure-plate arranged between said rollers, a vibrator mounted upon said pressure-plate, and means for pulling the device over the surface of the concrete, together with mechanism whereby the pressure plate is raised by said pulling means, and with means for automatically raising the rollers and lowering the pressure-plate when the pull upon the device is released.

1,479,950. HEEL PROTECTOR. WILFRED BARRETT, Waltham, Mass. Filed Feb. 11, 1922. Serial No. 535,784. 1 Claim. (Cl. 36—74.)



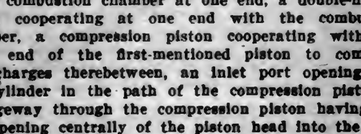
A protector for rubber heels having a wear-plate adapted to lie against the tread-face of the heel and having at least one securing-leg projecting from said wear-plate and adapted to enter and be anchored in the heel, said securing leg consisting of a shank having a cutting edge extending across its inner end, said cutting edge having a length substantially equal to the width of the shank, said shank being also provided with shoulders at opposite edges facing said wear-plate, these shoulders having blunt oblique edges terminating at the respective ends of said cutting edge, for the purpose set forth.

1,479,951. ELECTRIC OVEN FOR DENTAL PURPOSES. WILLARD A. BJORNSTAD and RUDOLPH A. SILENE, Minneapolis, Minn. Filed Sept. 15, 1922. Serial No. 588,355. 2 Claims. (Cl. 219—35.)



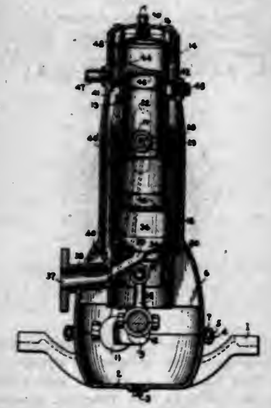
1. An electric oven for dental purposes comprising a base which is open at its upper end, a casing having a continuous vertical wall attached to said upper end, a disk of insulating material supported at said upper end to constitute an airtight closure for the bottom of said casing, heating coils positioned upon the upper surface of said disk, means whereby electric current may be supplied to said coils, and a metal plate positioned in the lower portion of said casing close to the upper surface of said coils to constitute a hot plate for supporting flasks containing investment material and embedded wax models.

1,479,952. LATHE CENTER. ALBERT C. BOYCE, Muskogee, Okla. Filed May 22, 1922. Serial No. 562,711. 3 Claims. (Cl. 82—33.)



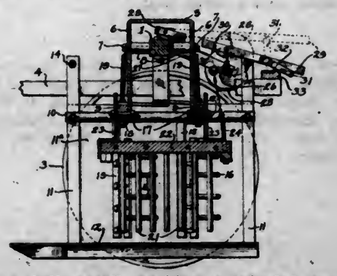
1. A lathe center comprising a body having a reduced shank adapted for engagement within the tail-stock of a lathe, the face of the body opposite the shank being formed with a chamber, and an extension shaft at the center of the chamber projecting beyond said face, a thrust bearing located within said chamber, a center proper having a body portion fitting upon said extension shaft in engagement with the thrust bearing, and a retaining member movably mounted in the center proper and operatively engaging the extension shaft whereby to permit rotation of the center member upon the extension shaft while preventing longitudinal displacement.

1,479,953. INTERNAL-COMBUSTION ENGINE. ALBERT MANNING BRAY, Cleveland, Ohio. Filed Sept. 29, 1921. Serial No. 504,024. 10 Claims. (Cl. 123—51.)



4. In an internal combustion engine, a cylinder having a combustion chamber at one end, a double-headed piston cooperating at one end with the combustion chamber, a compression piston cooperating with the other end of the first-mentioned piston to compress fuel charges therebetween, an inlet port opening into the cylinder in the path of the compression piston, a passageway through the compression piston having one end opening centrally of the piston head into the compression chamber and its other end adapted to uncover said port when the piston reaches one end of its stroke, and means for introducing the fuel charge into the combustion chamber after it has been compressed between the pistons.

1,479,954. BOLL-WEEVIL MACHINE. ARTHUR BRIGDEN, Birmingham, Ala. Filed Feb. 24, 1923. Serial No. 620,998. 7 Claims. (Cl. 43—143.)

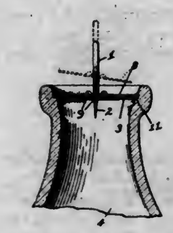


1. In a boll weevil machine, a wheeled supporting frame having a centrally pivoted transverse bar, means depending from the bar on opposite sides of its pivot to embrace a row of cotton plants to brush insects therefrom and to catch the insects, and resilient means connected to the bar on each side of its pivot to hold the bar normally horizontal and the brushing and catching means on each side at equal height but yielding to permit the same to pass over clods and the like.

1,479,955. CELLULOSE-ETHER SOLVENT AND COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1921. Serial No. 465,928. 7 Claims. (Cl. 106—40.)

1. A viscous, flowable composition, comprising a solution of an alkyl ether of cellulose in a mixture containing a lower monohydroxy aliphatic alcohol and one of the group of a phenyl ether and its homologues.

1,479,956. MILK-BOTTLE OPENER. JOSEPH FRANK CASTRO and ARTHUR BAIL, San Rafael, Calif. Filed Nov. 18, 1922. Serial No. 601,825. 3 Claims. (Cl. 65—47.)



1. A milk bottle opener comprising a member having a spear shaped point adapted for insertion through the cap of milk bottles and the like; shoulders formed upon the piercing point arranged to engage the inner side of the cap whereby the cap may be removed from the bottle; a disc slidably and rotatably mounted upon the member above the piercing point to engage the upper side of the cap for returning said cap to the bottle; and ribs formed upon the disc to engage and move the member outwardly with respect to the cap when rotated from the entering position whereby the shoulders may be moved into firm engagement with the cap.

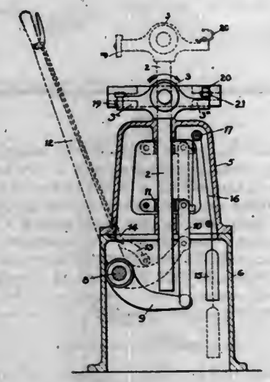
1,479,957. BUTTON PENCIL CLASP. CURTIS L. CRUVER, Chicago, Ill. Filed Dec. 31, 1920. Serial No. 434,221. 9 Claims. (Cl. 24—11.)

1. A device of the class described having, in combination, a back portion, clasping jaws on said back portion, a spring tongue extending from the back portion and terminating in a holding portion, and integral wings formed on the back portion and having their outer edges



bent forwardly to form flaring flange segments adapted to be secured to a correspondingly bent peripheral flange carried by a button.

1,479,958. FOUNDRY MOLDING MACHINE. ROBERT DUFFUS, Lutterworth, England. Filed Sept. 3, 1921. Serial No. 498,300. 2 Claims. (Cl. 22—32.)



1. Foundry molding machine comprising in combination a pair of rotatable brackets independently mounted on horizontal axes and adapted to receive the pattern plate between them, trunnion heads carrying said brackets, connecting rod and crank mechanism for raising and lowering said heads, laterally projecting lugs on the opposite ends of one of said brackets, a stop pivoted at one side of the adjacent trunnion head and having a limited rotary movement from the horizontal to the vertical and adapted in the former position to form an abutment for one of the said lugs, a locking catch pivoted at the other side of the same trunnion head and adapted to be moved into engagement with the other of said lugs on the adjacent end of the pattern plate when the latter is brought down to the horizontal position against the said stop.

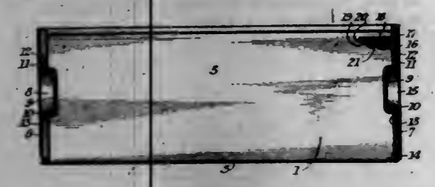
1,479,959. PHOTOGRAPHIC-PRINTING MACHINE. HENRY B. EVANS, Kankakee, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 22, 1920. Serial No. 425,796. 8 Claims. (Cl. 95—13.)

1. In a photographic printing machine, a fixed support, a light transmitting-printing window in said support, a source of light behind said window, a platen having an extended smooth, yielding bearing surface,

links pivoted to each side of the platen and to the support, said links being of equal length between their pivotal points, whereby the platen is maintained always parallel to said window, and the links are always parallel to each other.

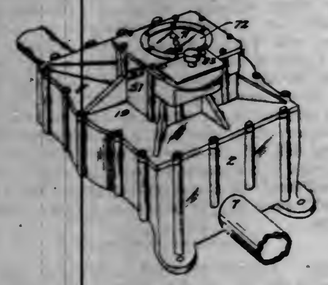


1,479,960. SENSITIVE-MATERIAL UNIT. EDWARD P. FLYNN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 8, 1923. Serial No. 623,588. 5 Claims. (Cl. 242—71.)



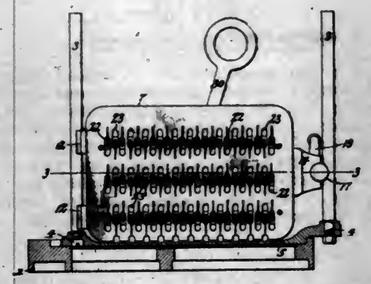
1. In combination, a roll of sensitized material having end hubs with central apertures, and a box adapted to contain said roll and having a fixed end wall with a fixed trunnion engaging one end aperture, and having an opposite hinged wall, said hinged wall having a trunnion adapted to engage the opposite end aperture, the last named trunnion and the corresponding aperture being so shaped that when the wall is swung to closed position these parts will engage with a camming action and lift the roll to properly centered position in the box.

1,479,961. FLUID METER. ALBERT J. GRANBERG, San Francisco, Calif., assignor to The Granberg Meter Company, San Francisco, Calif., a Corporation of California. Filed July 16, 1919. Serial No. 311,124. 3 Claims. (Cl. 73—37.)



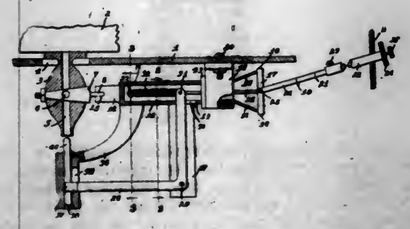
1. The combination with a casing having opposite and parallel walls and having an inlet port and a plurality of outlet ports, of a frame slidable longitudinally in said casing, a meter head arranged within said frame and slidable transversely with respect thereto having a plurality of ports adapted to register at different times with the inlet port and outlet ports and having passages therein connected to the ports therein and opening on the sides of the head, and projections on the head adapted to cover certain outlet ports.

1,479,962. ARTICLE HOLDER FOR SLICING MACHINES. ERNEST A. HAND and FREDERICK A. WYGANT, Hornell, N. Y., assignors to The A. J. Deer Company, Incorporated, Hornell, N. Y., a Corporation of New York. Filed Feb. 8, 1919. Serial No. 275,745. 15 Claims. (Cl. 146—217.)



1. An article holder for slicing machines comprising a breast plate provided with a front bearing face with which the article to be sliced is adapted to engage, and having a movement perpendicular to said face but held against movement in a direction parallel with said face, and a gripping hook co-operating with said face and having a movement parallel thereto but held against movement in a direction perpendicular to said face, and the front end of said hook being arranged in rear of the face of said breast plate when the latter is in its projected position.

1,479,963. RADIATOR-DRAINING ATTACHMENT. ARIE HOF, Maurice, Iowa. Filed Apr. 12, 1922. Serial No. 551,954. 6 Claims. (Cl. 137—139.)



1. In a device of the class described, a cock comprising a rotatable valve; a rotatable member connected to the valve; a cleaner for the cock and mounted directly on the rotatable member to swing therewith; and means for operating the cleaner.

1,479,964. WELL-PACKER ATTACHMENT FOR PUMPS. GRANVILLE A. HUMASON, Houston, Tex. Filed July 17, 1922. Serial No. 575,664. 4 Claims. (Cl. 103—5.)

4. In a device of the character described, the combination of a pump barrel, a foot valve thereon, a plunger in said barrel, means to close the space outside said pump barrel below said foot valve and means to force lifting fluid down outside said pump barrel to a point below said foot valve and up with the fluid being pumped.

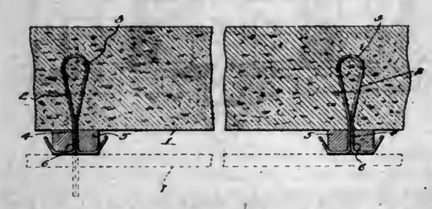


1,479,965. COMBINATION LOCK. JOHN P. IOOR, Philadelphia, Pa. Filed Oct. 13, 1921. Serial No. 507,453. 6 Claims. (Cl. 70—53.)



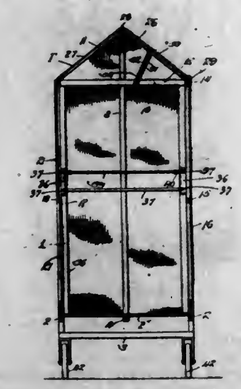
1. In a combination lock; the combination with a pivoted oscillatory hook-shaped locking bolt having bifurcations with a cam recess between them; of a keeper plate including a box having a bight arranged to be engaged by said bolt; a rotary spindle carrying a cam independent of said bolt, extending in said cam recess and arranged to reciprocate said bolt by turning movement of said spindle; an incompletely circular detent member, carried by said spindle and having two gaps in its circumference; two rotary combination tumblers, each having an axial arbor, and an incompletely circular body arranged to engage and disengage said detent at said gaps; each of said tumbler bodies having a gap in its circumference, arranged to be radially registered with said spindle, by turning said tumbler arbors, to release said detent and permit rotation of said spindle to unlock said bolt; index members, including an exterior operating handle on said spindle and exterior dials on said tumbler arbors; and polygonal means on said spindle and tumbler arbors arranged to respectively secure said handle and tumblers in relative variable cooperative position; whereby the combination of said lock mechanism may be changed.

1,479,966. BUILDING CONSTRUCTION. VAN ORAN JEFFRIES, Columbus, Ohio. Filed Mar. 5, 1923. Serial No. 622,807. 2 Claims. (Cl. 72—101.)



1. A cement wall structure, a series of vertical lath supporting strips arranged against one side of the wall, ties comprising loops and pliable arms, the loops being embedded in the wall, said arms being extended from the wall and passed through the strips.

1,479,967. BED AND PLAY PEN. CLARENCE L. JOHNSON, Littleton, Colo. Filed Apr. 18, 1922. Serial No. 555,000. 6 Claims. (Cl. 5—93.)

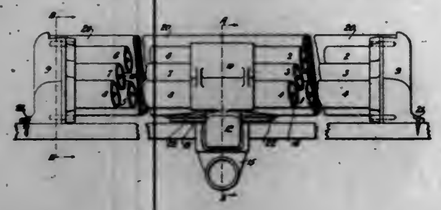


1. A screen bed comprising side screens, head and foot screens with gable upper ends, side rails joining the head and foot screens at the bases of the gable ends and at the tops of the side screens, and roof screen frames hinged together and to one of the side rails and foldable one upon the other and swingable to one side of the bed whereby the entire top of the bed is exposed to access from one side rail to the other, said side rails forming supports for the roof frames when the latter are disposed in downwardly diverging relation for completely closing the top of the bed.

1,479,968. HEATER FOR MOTOR CARS. ADRIAN DENMAN-JONES, London, England. Filed Mar. 2, 1921. Serial No. 449,208. 3 Claims. (Cl. 257—148.)

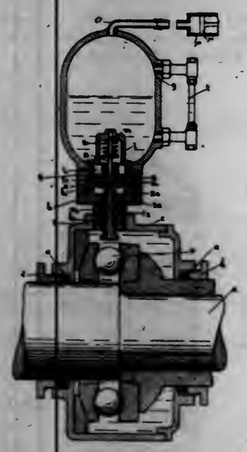
3. In heating apparatus for an automobile, the combination of a series of tubes, an inlet pipe and an outlet pipe both depending therefrom, a plate having in it two

sockets adapted to receive the pipes, a conductor adapted to lead hot air to that socket which receives the inlet



pipe, and spring-influenced means mounted in the plate and adapted to cover the sockets when the heater is removed.

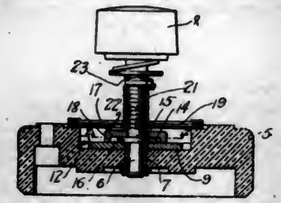
1,479,969. LUBRICATING. KARL OSKAR LEON, Stockholm, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Filed Mar. 2, 1920. Serial No. 362,861. 4 Claims. (Cl. 184—76.)



1. An improved device for feeding lubricant into a shaft bearing comprising a vessel for the lubricant, a passageway from said vessel into the bearing, a check valve to automatically shut off said passageway, a closed pressure fluid container with a flexible bottom, a piston resting upon said flexible bottom and supporting said check valve, a spring for forcing said piston toward said flexible bottom, a passageway from the bearing to the rear side of the said flexible bottom, a spring actuating said flexible bottom on the said rear side to counterbalance the fluid pressure in the container, and means to control the spring action upon the said flexible bottom.

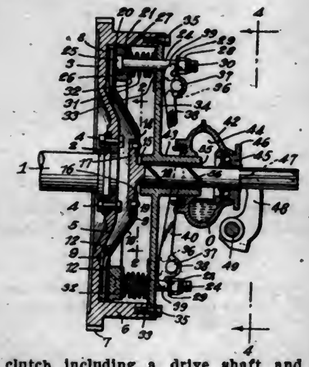
1,479,970. SNAP SWITCH. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Mfg. Co., Plainville, Conn., a Corporation of Connecticut. Filed Dec. 11, 1920. Serial No. 429,909. 6 Claims. (Cl. 200—66.)

1. In a snap switch, an insulating base, an abutment plate carried thereby and having upstanding peripheral stop lugs, a spindle having a cam mounted to rotate adjacent said plate, a flat pawl member engaging one side only of said cam and resting on said plate and having an integral tooth in the plane of said cam and adapted to coact with said stop lugs, a housing



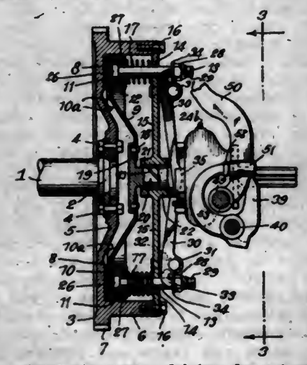
mounted on said spindle and having flanges engaging the opposite edges of said pawl member, and a spring connecting said housing and said spindle.

1,479,971. CLUTCH. ALFRED T. STUART, Flint, Mich., and GEORGE H. ROBINSON, New York, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Aug. 17, 1921. Serial No. 492,949. 3 Claims. (Cl. 192—52.)



1. A clutch including a drive shaft and a driving member and a driven member comprising a disc having an inner conoidal portion and an outer comparatively flat slightly dished portion said disc also having a plurality of kerfs formed therein to render it slightly resilient so that when it is moved into contact with the driving member it will smoothly and gradually pick up the load.

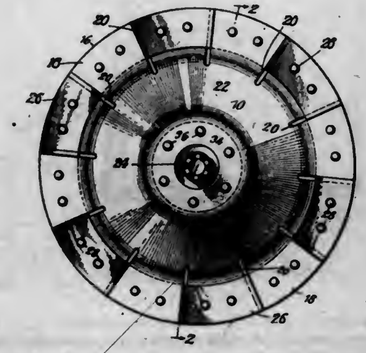
1,479,972. CLUTCH COLLAR. ALFRED T. STUART, Flint, Mich., and GEORGE H. ROBINSON, New York, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Aug. 17, 1921. Serial No. 492,950. 6 Claims. (Cl. 192—113.)



1. In a clutch structure a driving element and a driven element, a power transmission shaft secured to the

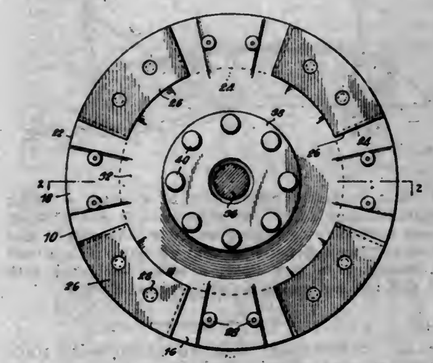
driven element and a clutch collar in slidable engagement with the driving element and the transmission shaft, the said collar having a chamber formed therein for holding a lubricant which is adapted to be splashed onto the bearing surfaces.

1,479,973. CLUTCH. ALFRED T. STUART, Flint, Mich., and GEORGE H. ROBINSON, New York, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Apr. 24, 1922. Serial No. 556,248. 7 Claims. (Cl. 192—107.)



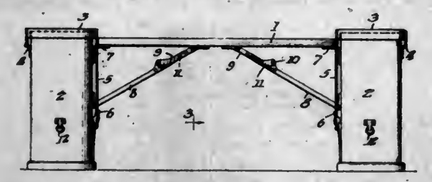
1. A device of the kind described which comprises a plate having a flat peripheral portion, said portion being divided into a number of sectors by kerfs extending inwardly from the circumference and friction pads arranged alternately on opposite sides of said sectors.

1,479,974. CLUTCH. ALFRED T. STUART, Flint, Mich., and GEORGE H. ROBINSON, New York, N. Y., assignors to Durant Motors Incorporated, a Corporation of Delaware. Filed Aug. 26, 1922. Serial No. 584,475. 8 Claims. (Cl. 192—107.)



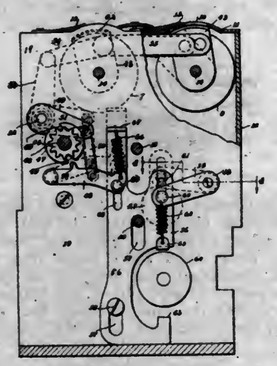
8. A device of the kind described which comprises, a clutch plate having a peripheral gripping portion, said gripping portion having flat friction surfaces each of constant frictional area alternately offset in opposite directions from and parallel to an intermediate plane and sloping portions connecting said flat friction surfaces adapted to be compressed as the flat surfaces are compressed into a single plane.

1,479,975. CARRYING CASE. GRACE D. STURGES, Santa Monica, Calif. Filed May 31, 1921. Serial No. 473,639. 5 Claims. (Cl. 190—12.)



1. In a device of the class described, the combination of a pair of spaced receptacles, and a shelf member extending between and pivoted to the receptacles adjacent the top thereof so that the latter fold under the shelf member, and means for releasably holding the receptacles in the unfolded position.

1,479,976. SHUTTER-CONTROL DEVICE FOR MEASURING AND COMPUTING MACHINES. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Jan. 31, 1921. Serial No. 441,245. 12 Claims. (Cl. 33—133.)

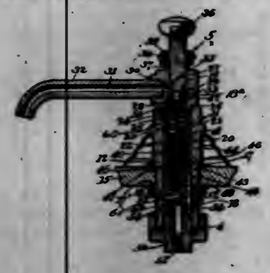


1. In a fabric measuring and computing machine, the combination of a length-indicator for indicating the length of a measurement in units of measures and aliquot fractions thereof, a chart bearing computed figures based on different prices, and corresponding to the units and aliquot fractions thereof indicated by the length-indicator, a measuring-roller mounted so as to be rotated by the fabric when pulled through the machine, means driven by the measuring-roller for actuating the length-indicator and the chart, marking means for marking the fabric at the point where it is to be cut off, and means mounted in the machine and operating automatically to prevent the disclosure of the computed figures on the chart when the length-indicator indicates a length incommensurate with the unit of measure and said aliquot fractions thereof.

1,479,977. LIQUID DISPENSER. GABRIEL A. BOBRICK and ARTHUR L. BOBRICK, Los Angeles, Calif. Original application filed Feb. 17, 1916, Serial No. 78,814. Divided and this application filed Nov. 27, 1920. Serial No. 426,680. 3 Claims. (Cl. 221—102.)

1. The combination with a hollow body having an outlet near one end and an inlet near the other end, a hollow piston mounted in said body to reciprocate therein between said inlet and outlet, a receiving chamber formed below said piston and a discharge chamber formed above said piston, said piston provided with a

bore having inlet and outlet ports; a valve seat and valve within said bore to open and close communication between the inlet and outlet ports; a stem extending from the valve through said valve seat and adapted to



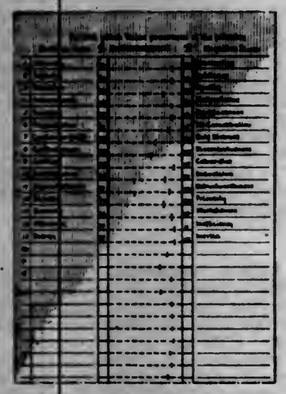
contact with a portion of said body to open said valve upon each inward stroke of said piston, and a spring holding said valve seated until positively opened by contact of the valve stem with the body.

1,479,978. LIQUID DISPENSER. GABRIEL A. BOBRICK and ARTHUR L. BOBRICK, Los Angeles, Calif. Original application filed Feb. 17, 1916, Serial No. 78,814. Divided and this application filed Nov. 27, 1920. Serial No. 426,679. 4 Claims. (Cl. 221—102.)



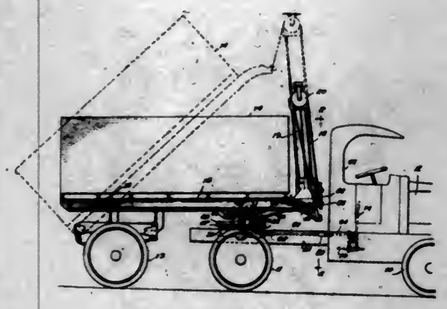
4. The combination of a body having a piston chamber, a spring-actuated piston mounted in said chamber and having an actuating stem extending out from said body, a discharge outlet from which liquid from said piston chamber is discharged from one end of said chamber upon the actuation of said piston, and indepepdent valve means for closing the inlet of liquid into the opposite end of said piston chamber upon the inward stroke of the piston.

1,479,979. RATING DEVICE. ELBERT S. BOUGHTON, New York, N. Y. Filed May 7, 1919. Serial No. 295,480. 14 Claims. (Cl. 283—1.)



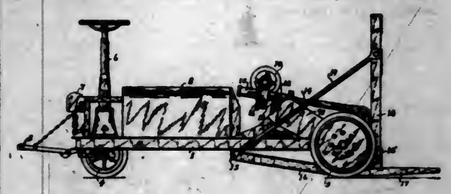
1. In a rating device a rating chart, indicating the degree to which an object possesses certain characteristics, a second chart indicating by similar means the standard of requirement of such characteristics, and means for contrasting the indications on the two charts for comparing the characteristics of the object with the standard requirements.

1,479,980. DUMPING VEHICLE. ADDI B. CADMAN and EDWIN H. ALLEN, Beloit, Wis., assignors to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed May 24, 1922. Serial No. 563,216. 24 Claims. (Cl. 298—21.)



1. The combination with a truck unit, a trailer unit, a hoist on said trailer unit, and a device joining said units and comprising a fifth wheel, of power means on the truck unit, and an operating connection between said power means and said hoist comprising a shaft extending axially through said fifth wheel.

1,479,981. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 9, 1920. Serial No. 394,932. 6 Claims. (Cl. 254—8.)

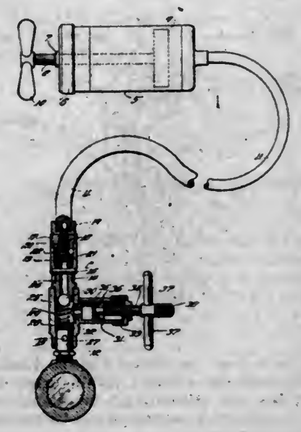


1. In a truck, the combination of a frame, a tilting support adapted to be projected beneath and pick up a load, a toggle, one link of which is connected to said tilting member and the other link to said frame, a pull rod connected to said links, a screw connected with said pull rod and means for operating said screw.

1,479,982. METHOD OF MAKING ANHYDROUS MAGNESIUM CHLORIDE. WILLIAM R. COLLINGS and JOHN A. GANN, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Dec. 11, 1918. Serial No. 266,225. 18 Claims. (Cl. 23—13.)

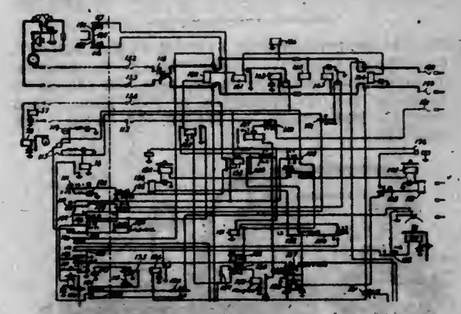
9. In a method of making anhydrous magnesium chloride, the steps which consists in driving off a portion of the water of crystallization from the normal hydrated salt by heated air; and then completing the dehydration with a current of hydrochloric acid gas.

1,479,983. LUBRICATING SYSTEM. ERNEST W. DAVIS, Oak Park, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,933. 2 Claims. (Cl. 184—105.)



1. The combination with a lubricant compressor having a discharge conduit provided at its free end with a coupling member for making a detachable connection with a lubricant receiving nipple, of means for increasing the pressure on the lubricant delivered to the nipple, comprising a sleeve having means at one end for making a detachable connection with said coupling member, and means at the other end for making a detachable connection with the nipple, a high pressure pump communicating with said sleeve, and a check valve in said sleeve for preventing reverse flow of lubricant through said conduit.

1,479,984. TELEPHONE-EXCHANGE SYSTEM. GERALD DEAKIN, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed May 26, 1919, Serial No. 299,062. Patent No. 1,444,781, dated Feb. 13, 1923. Divided and this application filed June 20, 1921. Serial No. 478,894. 9 Claims. (Cl. 179—18.)



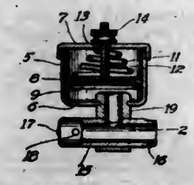
1. In a telephone system, a cord circuit, selective switches for extending said cord circuit to establish talking connections, a register sender for controlling the selective movement of said switches, a finder mechanism consisting of a plurality of separately movable finder switches, and means for operating all of said finder switches simultaneously to associate the register sender with said cord circuit.

1,479,985. BOTTLE-STOPPER SHIELD. DANIEL ENOMOTO, Berkeley, Calif. Filed Nov. 18, 1922. Serial No. 601,750. 2 Claims. (Cl. 215—38.)



1. In combination with a bottle stopper having a top piece of greater diameter than the stopper itself, of a tubular shield being circumferentially spaced from said stopper and receiving in its upper end the circular top piece, said shield extending beyond the free end of the stopper, the top piece and upper end of said shield being substantially flush with one another.

1,479,986. LUBRICATING DEVICE. DOUGLAS F. FESLER, Chicago, Ill., assignor to The Bassick Manufacturing Company, a Corporation of Delaware. Original application filed Nov. 18, 1918, Serial No. 262,930. Divided and this application filed May 28, 1920. Serial No. 384,928. 7 Claims. (Cl. 184—45.)



4. The combination with a cylinder of a plunger slidable in said cylinder, a spiral spring between said plunger and one end of said cylinder, means, for conducting lubricant from the other end of said cylinder comprising a tubular member, means for supplying lubricant to said cylinder comprising a second tubular member communicating with said first-named tubular member and provided with a spring-pressed closure, the said second tubular member comprising means for making quick detachable connection with the discharge conduit of a lubricant compressor, a screw-threaded rod connected with said plunger and projecting through its first mentioned end, and a nut threaded on said rod outside of said cylinder whereby the inward movement of said plunger can be controlled and automatically limited.

1,479,987. SIGNBOARD. WILLIAM J. FRASER, Toronto, Ontario, Canada. Filed June 2, 1921. Serial No. 474,550. 7 Claims. (Cl. 40—142.)



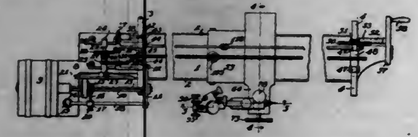
1. A sign board having a plurality of transverse grooves formed in its face; and a resilient strip positioned in each groove free of its sides and the face of the board so that a projection on a letter or symbol may be pressed between either side of said strip and the adjacent side of the groove.

1,479,988. HOSE CLAMP. OWEN A. GAGE, Muskegon, Mich. Filed Aug. 6, 1923. Serial No. 655,846. 3 Claims. (Cl. 24—19.)



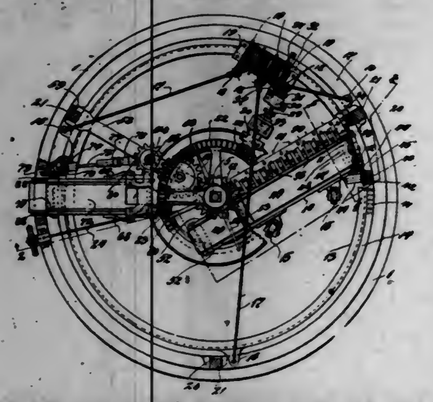
1. In a hose clamp, a metallic body having a bolt hole through it longitudinally, a bearing offset upon said body, a screw threaded eye bolt passed through the hole in the body, a nut for adjusting said bolt longitudinally in the hole, a flexible cable firmly connected at one end with the body, with the other end free to pass around a hose and through the eye in the bolt and be firmly clamped around the hose by the longitudinal adjustment of the bolt.

1,479,989. MACHINE FOR CUTTING AND WELDING WITH FLUID FUEL. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Apr. 29, 1920. Serial No. 377,500. 34 Claims. (Cl. 266—23.)



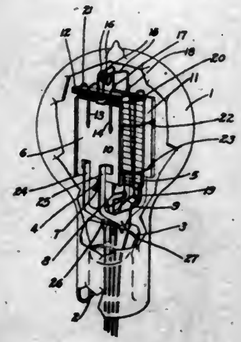
1. In a machine of the character described, the combination of a base, a carriage supported by and movable along said base, a blow-pipe or torch mounted on said carriage, an operating device movable in the direction of travel of said carriage on said base and independent of said carriage, and means for connecting the said carriage with the said device.

1,479,990. AUTOMATIC SILAGE FEEDER. ALVIN KEYS, Mariette, Mich. Filed Aug. 9, 1920. Serial No. 402,176. 9 Claims. (Cl. 214—17.)



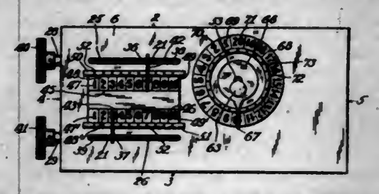
1. An automatic silage feeder comprising a sweeping picker, a hopper, elevator-means for conducting silage to said hopper, and elevator-means for conducting silage away from said hopper, and means for mounting and actuating said parts.

1,479,991. ELECTRON-DISCHARGE DEVICE. ROBERT W. KING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 13, 1919. Serial No. 317,314. 7 Claims. (Cl. 250—27.)



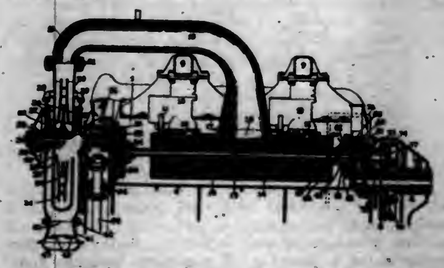
1. A vacuum tube comprising a press, anode, cathode and control electrodes, a forked metallic member mounted on said press and supportingly associated with said anode, and supporting connections between said anode and control electrode.

1,479,992. MATHEMATICAL GAME APPARATUS. HENRY J. KINNEY, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,630. 9 Claims. (Cl. 35—2.)



1. A game apparatus having a movable push-rod provided with an adjustably supported guide yoke and also a register socket for the push-rod provided with an adjustably supported guide, the yoke and the guide being independently movable to aline the push-rod and the register socket, and gearing connected with the guide of the register socket to move the socket to the push-rod.

1,479,993. MOTIVE-POWER SYSTEM FOR AIRCRAFT. CHARLES B. KIRKHAM, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., a Corporation of New York. Filed Sept. 16, 1918. Serial No. 254,283. 11 Claims. (Cl. 123—119.)



1. In combination with a multi-cylinder internal combustion engine including a crank shaft and a gear down propeller shaft, a blower compressor attachment, a driving connection between the blower attachment and the propeller shaft, a pressure reservoir, a connection between the pressure reservoir and the blower, and a carburetor for the engine arranged to receive its supply of air from said reservoir.

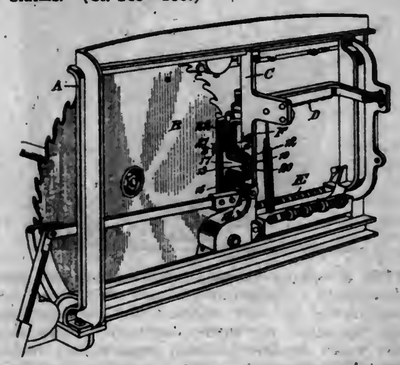
1,479,994. TRACTOR PLOW. ALVARO S. KROTZ, Janesville, Wis. Filed Aug. 27, 1917. Serial No. 188,269. 11 Claims. (Cl. 97—98.)



1. In a plowing machine, the combination of a plow consisting of a beam structure and a soil turning device mounted thereon, said plow provided with a single depth regulating wheel at the front end thereof to travel on the ground, means to adjust the front end of said plow up and down on the wheel to change the depth of the furrow, a self contained tractor for pulling the plow, and a draft connection from the tractor to the forward end of the plow, provided with flexible connections at both ends, whereby the plow can swing sidewise and trail behind the tractor, but is self contained so far as depth and horizontal position is concerned, and is held in upright position by the tractor, and means for tilting the plow relative to the tractor.

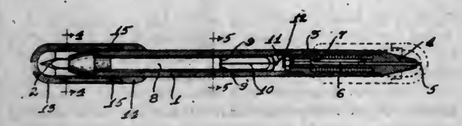
4. An unstable tractor plow comprising a beam and plow bottom, a stable tractor provided with a support carried by the tractor at the rear end thereof, a draft link connection disposed directly between the plow beam and the support, means providing the front and rear ends of said connection with horizontal pivots, and the front end with a vertical pivot, so that the rear end of the draft link is adapted to swing up and down and laterally in relation to the tractor and up and down in relation to the plow, a depth wheel mounted independently of said draft link adjacent the front end of said beam to carry the same, whereby the furrow depth is controlled by said wheel and the upright position of the plow thus controlled by said tractor is independent thereof, except as to sidewise tipping with the tractor, as and for the purpose specified.

1,479,995. HAND GUARD FOR SHINGLE MACHINES. PAUL FREDRICK LUETH, Everett, Wash., assignor to Sumner Iron Works, Everett, Wash., a Corporation of Washington. Filed Nov. 7, 1921. Serial No. 513,462. 4 Claims. (Cl. 143—159.)



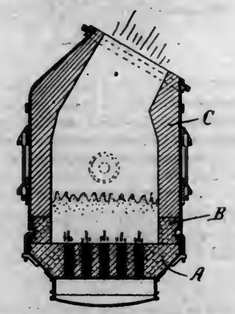
1. In an upright shingle machine, the combination of an attaching member having vertically spaced arms constituting knuckles, a pin secured to and extending vertically through said knuckles, a bracket carrying a plate and formed with a knuckle pivoted to and vertically movable on said pin between the first-named knuckles, and interengaging cam projections on the lower end of the last-named knuckle and the upper surface of the lower one of the first-named knuckles, said cam projections having mutually engageable inclined surfaces for raising the bracket with respect to the attaching member when the bracket is swung in one direction about its pivot and having oppositely-disposed vertical surfaces mutually engageable to lock the bracket against movement in the opposite direction.

1,479,996. COMBINED FOUNTAIN PEN AND LEAD PENCIL. GUSTAV A. LUNDMARK, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,397. 1 Claim. (Cl. 120—46.)



In a fountain pen having an ink chamber, a rubber tube closed at its upper end in said chamber, a resilient U-shaped member positioned over said tube, pivotally connected yoke members embracing said tube and pivoted to said resilient member, a flexible operable connection extending from said yoke members through the lateral wall of said chamber, and a button secured to said connection, said pen having an exterior recess for normally confining said button.

1,479,997. BESSEMERIZING IRON. RICHARD STANISLAUS MCCAFFERY, Madison, Wis. Filed Dec. 29, 1920. Serial No. 433,871. 16 Claims. (Cl. 75—27.)

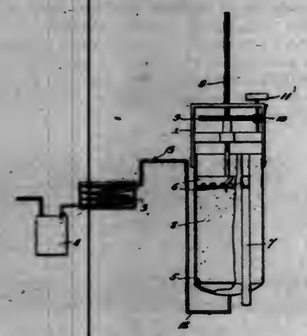


1. The process of refining iron containing chromium which comprises bessemerizing a bath of the molten metal, under conditions which result in the production of a slag rich in chromium and relatively neutral as compared to the slags of the ordinary basic bessemer and acid bessemer processes in a converter having only such parts thereof as come in contact with the slag during the performance of the process lined with refractory material of a composition which is substantially neutral with respect to the chromium constituent of the slag.

1,479,998. METHOD OF AND APPARATUS FOR TREATING FILTERING MATERIALS. JOHN ROBERT MCCONNELL, Warren, Pa. Filed June 8, 1922. Serial No. 566,895. 14 Claims. (Cl. 252—2.)

1. The method of revivifying filtering materials containing non-combustible and combustible matter without the use of extraneous fuel other than that used for initiating combustion comprising progressively burning out the combustible matter.

8. In apparatus for revivifying filtering materials, the combination of a retort adapted to hold a charge of used clay containing combustible matter, means for supplying an oxygen containing fluid to a clay-section to maintain therein the combustion initiated by the application of a



flame, and to bring the adjacent section to a kindling temperature, means for stirring the uppermost clay-section to prevent fusion of the clay, and means adapted to permit the removal of a revivified clay section without substantially interfering with the combustion in the adjacent clay section.

1,479,999. FUSIBLE LINK. FREDERICK WILLIAM MCDONALD, Oakland, Calif., assignor to McDonald & Moore, Oakland, Calif., a Firm composed of Fred. W. McDonald and I. B. Moore. Filed Aug. 25, 1920. Serial No. 405,861. 1 Claim. (Cl. 169—42.)



A fusible link of the character described embodying an elongated comparatively thin strip of celluloid narrowed centrally of its ends to provide enlarged end portions and a thin web joining said end portions and eyelets riveted in the centers of the enlarged end portions.

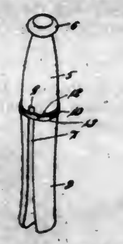
1,480,000. CENTRIFUGAL PIPE-CASTING MACHINE. JAMES R. MCWANE, Birmingham, Ala. Filed Mar. 23, 1920. Serial No. 368,171. 12 Claims. (Cl. 22—65.)



1. In a centrifugal casting machine, a rotatable head stock and a rotatable tail stock, pouring nozzles for both the head and tail stocks extending therethrough for delivering molten metal to a mold carried at the ends by said head and tail stocks, and means for moving the pouring nozzles axially of the head and tail stocks and independently of movement of the head and tail stocks.

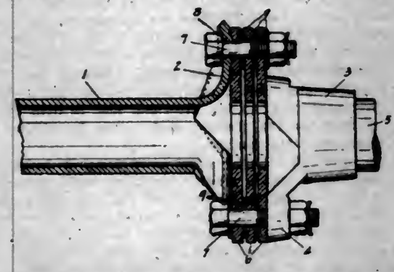
1,480,001. CLOTHESPIN. WAYNE A. MARTIN, Greenfield, Mass. Filed Apr. 26, 1923. Serial No. 634,723. 2 Claims. (Cl. 24—138.)

1. A clothes-pin comprising a body with branches projecting therefrom, a reinforcing member encircling said pin, one end of said member having a spur to engage within the material of the pin underneath the other end



of said member and said other end being secured to the outer surface of the spurred end by a fusing operation.

1,480,002. SHAFT-COUPLING MEMBER AND METHOD OF MANUFACTURING THE SAME. LEONARD H. MATTINGLY, Allegan, Mich. Filed Aug. 1, 1922. Serial No. 578,038. 3 Claims. (Cl. 29—148.)



2. The method of manufacturing shaft coupling members consisting of longitudinally slotting a tubular shaft at one end, bending the segments formed by the slots into radially disposed arms, and simultaneously conforming to an outwardly facing channel cross section.

1,480,003. MACHINE FOR MINING. EDMUND C. MORGAN, Chicago, Ill.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Jan. 5, 1916. Serial No. 70,341. 123 Claims. (Cl. 262—28.)



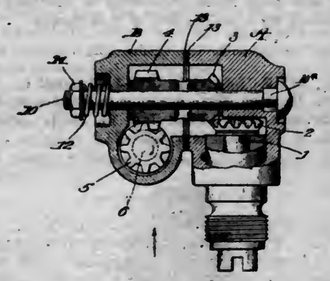
1. In a mining machine, the combination with a frame having a supporting standard, of a supplemental frame carried by said standard and rotatable freely about the same, kerf-cutting mechanism comprising a cutter chain mounted on said supplemental frame to move bodily therewith, power mechanism on said supplemental frame for driving said cutter chain, power mechanism on said supplemental frame for moving the latter together with said kerf-cutting mechanism in an arc about said standard to effect arcuate feed of said kerf-cutting mechanism, and power mechanism on said supplemental frame for adjusting the elevation of said supplemental frame together with said kerf-cutting mechanism on said standard.

1,480,004. UNIVERSAL JOINT. ELI NOEL, Kansas City, Mo. Filed May 3, 1922. Serial No. 558,207. 2 Claims. (Cl. 69—91.)



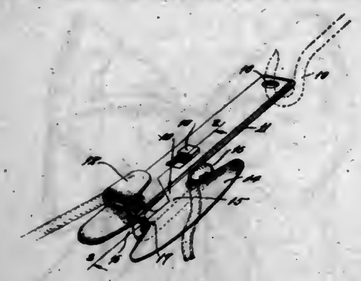
1. A universal joint, comprising a centrally located spherical body forming the center of motion, oppositely disposed concentric slide bearings or bearing blocks provided with transverse slotted apertures, one of said bearing blocks being provided with oppositely disposed demountable circular boxes having their centers horizontally aligned with the horizontal axis of said spherical body and the other bearing block being provided with oppositely disposed trunnions mounted for angular movement in said boxes and together forming a hinge connection uniting said bearing blocks, oppositely disposed concentric heads slidably and supportingly bearing on said spherical body and on said first mentioned bearing blocks and having shafts guidingly supported thereby.

1,480,005. SWIVEL-GEAR HOUSING AND JOINT. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 30, 1922. Serial No. 548,289. 2 Claims. (Cl. 74—101.)



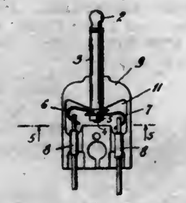
1. In a swivel gear joint and housing, in combination with two gear housing members and a pair of intermeshing gears in each of them, all constituting a four-gear train of which the two intermediate gears are co-axial and rigid with each other, the two housing members being adapted to seat upon each other at a plane transverse to the axis of said co-axial gears; a bolt extending through the housing members and said co-axial gears for binding the housing members together and journalling said co-axial gears; said bolt being stopped as to rotation at its seat in one of the housing members, shouldered for stopping longitudinally on one of them and being of uniform diameter through the entire length of and beyond the other, and a spring on said bolt outside the housing stopped between the adjacent housing member and the head or nut of the bolt.

1,480,006. CLOTHESLINE SUPPORT. WILLIAM H. ORTMAN, Milwaukee, Wis. Filed July 1, 1921. Serial No. 481,822. 2 Claims. (Cl. 24—129.)



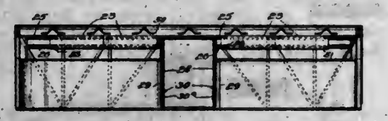
1. A device of the class described formed of a single piece of material and cut to provide a shank, an extension arranged at one end of said shank, and having its opposite end portions bifurcated, a hook carried by the shank and formed adjacent said extension, and said furcations and hook adapted to receive therein the end of a clothes line.

1,480,007. CONNECTING PLUG. LOUIS G. PACENT, Winfield, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 20, 1923. Serial No. 626,285. 5 Claims. (Cl. 173—361.)



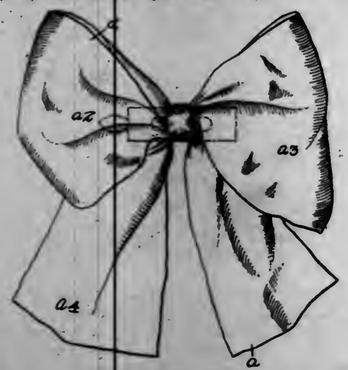
1. In a connecting plug, a contact member, a handle attached to said contact member, a resilient conducting member connected with said contact member, said resilient member having an apertured free end portion adapted to engage a pin type cord tip, said handle defining a chamber enclosing said resilient member, and an aperture adapted for the insertion of a pin type cord tip, said resilient member being adapted to grip said cord tip and force it against the side of said aperture.

1,480,008. GRAIN DOOR FOR RAILWAY CARS. EDWARD POSSON, Chicago, Ill., assignor of one-half to Frederick C. Maegly, Chicago, Ill. Filed Sept. 18, 1919. Serial No. 324,569. 10 Claims. (Cl. 20—31.)



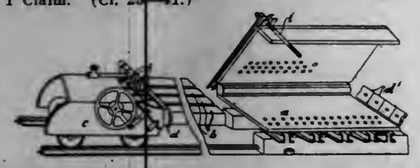
1. The combination in a railway car having a door opening in its wall, of a plurality of complementary door sections, guides extending vertically along the edges of said door opening, and longitudinal guides extending from said door opening toward both ends of the car, and lugs secured to each end of said door sections and adapted to engage said guides, whereby said door sections may be moved vertically and also be moved from said vertical guides toward either end of said car on said longitudinal guides.

1,480,009. BOW HOLDER. ALSTON L. PRESTON, Leominster, Mass. Filed June 1, 1923. Serial No. 642,833. 4 Claims. (Cl. 132—47.)



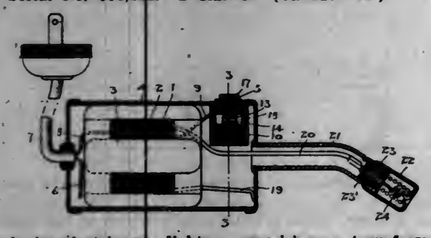
1. As an article of manufacture, a bow holder for application to a hair holding support comprising a body of sheet material having two opposite projections for connecting it with the body of the support and having two other opposite projections at an angle to the first two spaced from the body of the support at their ends.

1,480,010. METHOD OF CASTING CEMENT OR FIBRO-CEMENT UNDER PRESSURE. EDWARD WILLIAM ROBERTS, Watford, and LOUIS FREDK. WM. LEESE, London, England. Filed Jan. 6, 1922. Serial No. 527,293. 1 Claim. (Cl. 25—41.)



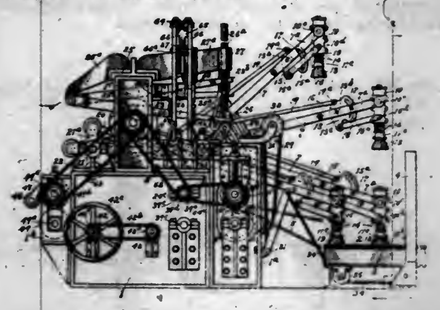
For use in casting or moulding cement or fibro-cement under pressure an expansible core member said core member consisting of a rigid support and an expansible envelope surrounding said support and adapted to be supplied with air under pressure, and a liner said liner including overlapping lengths of sheet metal or the like shaped to correspond with the internal form of the casting to be produced substantially as and for the purpose set forth.

1,480,011. ELECTRIC GASLIGHTER. JAMES H. RODEN, Toronto, Ontario, Canada. Filed Dec. 1, 1922. Serial No. 604,268. 2 Claims. (Cl. 219—32.)



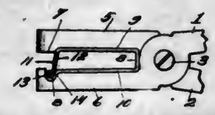
1. An electric gas lighter, comprising, a transformer having its primary connected with a current circuit, a switch in said primary circuit, a casing enclosing said transformer and switch, a member projecting from said casing, and a heating element supported from said projecting member and connected with the secondary winding of said transformer.

1,480,012. SHEET-FEEDING MACHINE. LEON A. RODEN, Canton, Ohio. Filed May 11, 1922. Serial No. 560,145. 21 Claims. (Cl. 271—27.)



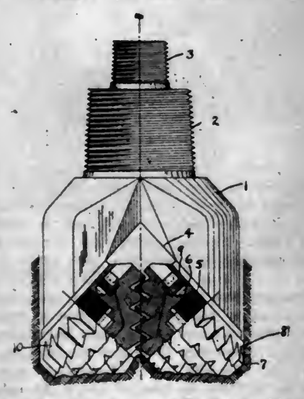
1. In a sheet feeding machine, a plurality of pneumatically operated tubular plungers carrying sheet engaging and feeding gripper cups, and valves opened and closed by the inward and outward movements of said plungers and gripper cups.

1,480,013. STOCK TAG. CHARLES E. SALSBERY, Kansas City, Mo., assignor to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo., a Corporation of Missouri. Filed July 22, 1921. Serial No. 486,787. 2 Claims. (Cl. 40—3.)



1. A stock tag of relatively U-shape, one end terminating in an open hook and the other end terminating in a finger facing the open end of said hook and adapted to be interlocked with said hook by having its end curled away from the U-shaped end of the tag and within the hook, said hook being adapted to be partially closed simultaneously with the bending of said tongue.

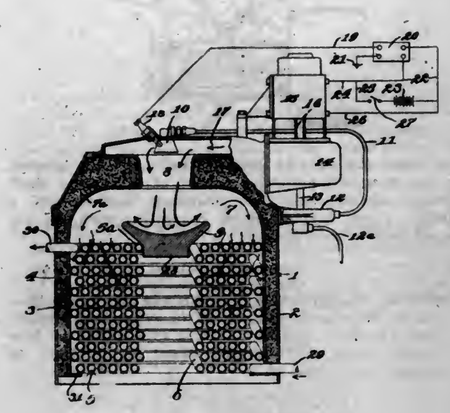
1,480,014. SELF-CLEANING ROLLER DRILL. FLOYD L. SCOTT, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex. Filed Jan. 16, 1922. Serial No. 529,576. 4 Claims. (Cl. 255—71.)



1. In the roller earth-boring drill the combination of a head, two opposite, approximately frusto-conical shaped cutting rollers mounted on the forward end thereof and

circumferential rows of teeth of approximately equal size formed on each cutter, the teeth on one cutter being adapted to interfit between those of the other for the purpose described.

1,480,015. STEAM-GENERATING APPARATUS. LEWIS L. SCOTT, St. Louis, Mo. Filed Mar. 6, 1920. Serial No. 363,691. 6 Claims. (Cl. 122—250.)



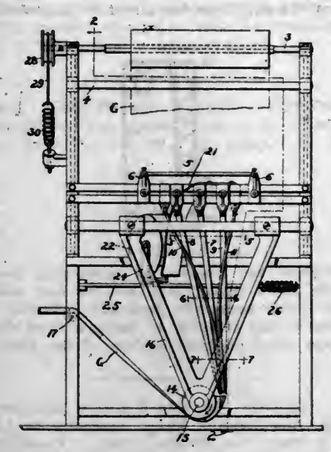
1. In a steam generating apparatus, a shell having a combustion chamber therein, a plurality of coils within said shell adjacent to the combustion chamber, said shell having an orifice leading into the combustion chamber and disposed substantially centrally with respect to said coils, means for projecting a flame through the orifice and into the combustion chamber in the direction of the coils, and a deflector of refractory material located opposite the orifice and directly in the path of the flame entering at the orifice, operating to deflect the flame and thereby prevent the same from passing along the central axis of the coils and operating to diffuse and deflect the flame in an outward direction in the combustion chamber, said shell operating to guide the deflected gases of combustion along the outer portions of the coils.

1,480,016. CELLULOSE SOLVENT AND RESULTING CELLULOSIC COMPOSITION. MAX Y. SEATON, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Jan. 31, 1920. Serial No. 355,398. 14 Claims. (Cl. 134—79.)

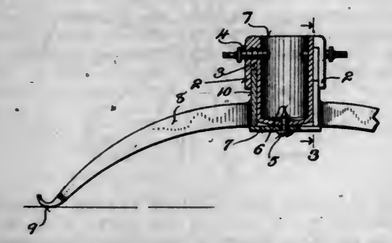
8. A new composition of matter, consisting of the following ingredients in approximately the proportions stated, viz 4 parts cellulose nitrate, 15 parts of amyl acetate, 15 parts acetone, 15 parts propylene chlorhydrin, and 55 parts benzol.

1,480,017. PROCESS AND MACHINE FOR MAKING BANDAGES. DANA O. SEWALL, Walpole, Mass., assignor to Lewis Manufacturing Company, Walpole, Mass., a Corporation of Massachusetts. Filed May 22, 1920. Serial No. 383,529. 12 Claims. (Cl. 270—41.)

1. That improvement in the process of making bandages which consists in feeding a continuous strip of gauze or the like, utilizing the feeding movement of the strip to fold it, and inserting absorbent pads in the strip at intervals during the feeding and folding thereof whereby said pads are held between the folds at spaced intervals.



1,480,018. TREE STAND. ANTHONY GEORGE SIEBENLIST, Alois, Wis. Filed Sept. 30, 1922. Serial No. 591,539. 2 Claims. (Cl. 248—38.)



1. A tree holder comprising a cup adapted to receive the butt of a tree, a plurality of winged set screws threaded through such cup and adapted to engage the butt of the tree, a plurality of lugs extending outwardly and downwardly from the outer portion of said cup and having a portion spaced from such cup, a plurality of legs having upright portions adapted to be positioned between such lugs and said cup, and a spider revolubly mounted upon the lower portion of such cup and having arms adapted to be positioned beneath the bottom of said upright portions, whereby said legs are held in position.

1,480,019. ILLUMINATED SIGN. TRACY W. SIMPSON, San Francisco, Calif., assignor to Federal Electric Company, Inc., Emeryville, Calif., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,192. 2 Claims. (Cl. 40—133.)

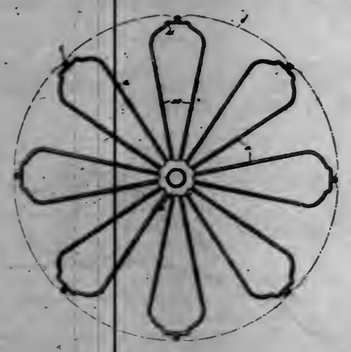
1. An illuminated sign comprising a box-like frame fitted interiorly with lamps, sets of horizontal guides formed at the top and bottom of the frame adjacent the front thereof, a plurality of independent sign characters adapted to be received by one of said sets of guides, said sign characters being formed of sheet metal cut out to form desired characters, a sectional transilu-

cent partition positioned between said sign characters and the lamps and adapted to be supported by the second set of guides, the height of the sign characters and the sections of the partitions being such as to permit them



to be removed and inserted by telescoping the same within the upper guides, said sections and said sign characters being separately removable whereby access may be had to any point in the frame without removing all the sign characters and sections of the partition.

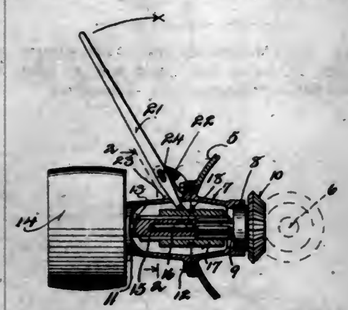
1,480,020. GUARD. CHARLES F. SMITH and ALONZO A. WARNER, New Britain, Conn., assignors to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 14, 1921. Serial No. 444,894. 2 Claims. (Cl. 219—34.)



1. A guard for heaters of the reflector type, comprising a center piece, and a plurality of petals radiating from the center piece, each petal comprising a pair of diverging spring arms bent toward each other and connected together at their outer ends and bent thereat to provide a reinforced hook for engagement over the edge of a reflector, and means on the center piece engaging the inner ends of the petals to hold the same in opposition to the hooks for yieldingly binding the latter by the springiness of said arms on the reflector.

1,480,021. BELT-PULLEY CLUTCH CONTROL FOR TRACTORS. CLAUDE C. SMITH, North Lake, Wis., assignor to Dallman Machine and Manufacturing Company, Milwaukee, Wis. Filed Feb. 20, 1922. Serial No. 537,749. 1 Claim. (Cl. 192—67.)

In a tractor the combination of an enclosing housing having an aperture therethrough, an auxiliary housing having complementary inner and outer portions provided with flanges positioned adjacent said first mentioned housing with the inner of the portions of said auxiliary housing projecting into said first mentioned housing, fastening means passing through said flanges and into said first mentioned housing, a bearing carried by the inner end of said inner portion, a driving shaft carried in said bearing, the outer of said portions having a bearing at its outer end, a driven shaft carried in said last mentioned bearing, projecting inwardly and outwardly from said bearing, aligning with said driving shaft and having its inner end located closely adjacent



the outer end of said driving shaft, a pulley carried by the outwardly projecting portion of said driven shaft closely adjacent said last mentioned bearing, and a slidable sleeve having splined connection with the adjacent ends of each shaft.

1,480,022. ELECTRIC WELDING APPARATUS. HARLAN E. SNODGRASS, Summit, N. J., assignor to Newark Tube Company, Newark, N. J., a Corporation of New Jersey. Filed May 6, 1920. Serial No. 379,206. 16 Claims. (Cl. 219—6.)

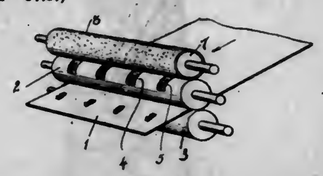
1. In an apparatus for welding two metallic abutting edges, a unitary welding roll comprising two welding members insulated from each other and secured together, and a transformer whose secondary includes stationary pole pieces having annular surfaces adjacent to and facing the sides of said welding roll.

1,480,023. COMPOSITION ROOFING. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Original application filed Dec. 28, 1920, Serial No. 433,623. Divided and this application filed May 19, 1921, Serial No. 470,914. Renewed Oct. 25, 1923. 8 Claims. (Cl. 91—67.9.)



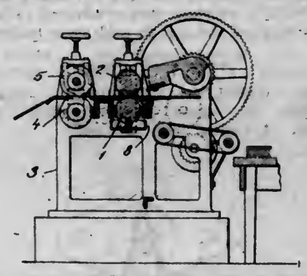
6. As an article of manufacture, a sheet of relatively soft building material provided on its under side with a design or trademark formed by relatively thin lines cut into the material.

1,480,024. COMPOSITION ROOFING AND METHOD OF MAKING THE SAME. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Filed Dec. 28, 1920, Serial No. 433,623. Renewed Oct. 9, 1922. Serial No. 593,461. 10 Claims. (Cl. 91—67.9.)



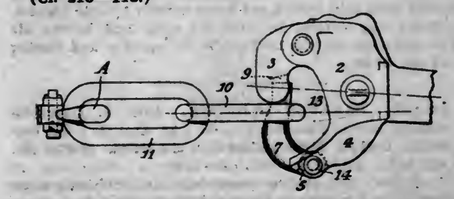
1. A method of impressing data on one face of sheets or webs of composition material without marring the other face, which consists in cutting the impression in the material by means of dies having raised characters of greater height than the depth of the cut desired.

1,480,025. BRANDING ROOFING. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc., a Corporation of New York. Filed Dec. 28, 1920, Serial No. 433,624. Renewed Oct. 9, 1922. Serial No. 593,462. 10 Claims. (Cl. 101—23.)



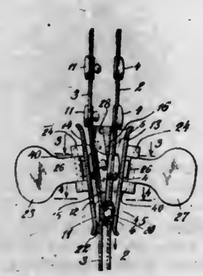
1. Apparatus for impressing designs on webs of material of the kind described, comprising a printing or die member and a platen member between which the web is fed, the die member having depressions in its surface spaced to correspond with the spacing of the impressions desired, and dies in the depressions, the blank surfaces of the dies being within the surface of the die member and the impressing characters of the die extending beyond the surface thereof.

1,480,026. TRANSITIONAL COUPLING MECHANISM. HUBERT L. SPENCE and JOHN WILLISON, Cleveland, Ohio, assignors to The National Malleable Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 8, 1922. Serial No. 534,880. 3 Claims. (Cl. 213—112.)



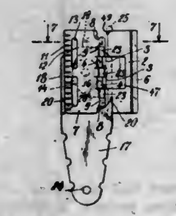
1. In coupler mechanism, the combination with an automatic coupler having a pivoted knuckle, of a supplemental coupling member pivoted to the guard arm of the coupler head and adapted to be swung to the rear of the guard arm when in inoperative position, and having a bearing in a transversely-extending recess within the nose of the knuckle when in operative position, said supplemental member carrying a link for coupling with a coupler of the same or a different type.

1,480,027. FASTENER-OPERATING DEVICE. NOEL STATHAM, Hastings upon Hudson, N. Y. Filed Mar. 28, 1919. Serial No. 285,861. 17 Claims. (Cl. 24—205.)



1. In seam fasteners, a pair of flexible seam elements having thereon adjacent the seam edges rows of closely spaced cooperating snap fastener elements, a fastener operating device permanently held in engagement with one of said rows of fastener elements and formed with a separator and with cooperating guides on each side of said separator to hold said fastener units in engagement with the grooves in said separator and effect their substantial lateral alignment as the units of each fastener are gradually forced together during the closing movement of said operating device, said operating device having operating handles movably mounted on each side of the same and holding springs cooperating with said handles to yieldingly hold them in folded or in projecting operating position.

1,480,028. SAFETY RAZOR. NOEL STATHAM, Irvington, N. Y. Filed Dec. 19, 1919, Serial No. 346,132. Renewed Apr. 30, 1923. 17 Claims. (Cl. 30—12.)



1. In safety razors and stroppers, a metal handle having a double thickness pivotal portion, a gripping retaining device cooperating with said pivotal portion, a hinge support pivoted between the double thickness portions of said handle, a gripping blade holder hinged to said hinge support, a guard pivoted to said blade holder and cam devices on said blade holder and guard to yieldably hold them in close cooperation and retain them in self supporting shaving position at a substantial

angle to said handle and allow their being folded into substantially the plane of said handle and a disengaging projection on said handle adjacent said retaining device to wedge between and disengage said blade holder and guard as the said blade holder swings into stropping position with the blade edge substantially parallel to said handle.

1,480,029. SAFETY RAZOR. NOEL STATHAM, Irvington, N. Y. Filed July 15, 1920. Serial No. 396,436. 10 Claims. (Cl. 30—12.)



1. In safety razors, a handle, a hinge support pivoted to said handle, a hinge pin embraced by integral portions of said hinge support, a sheet metal blade holder having portions extending around said hinge pin and having resilient gripping portions to engage and hold a razor blade, a sheet metal guard having pivotal portions extending around said hinge pin and having resilient connecting clip devices to engage said blade holder and a tightening nut on said hinge pin to force together and releasably hold the hinge portions of said blade holder and guard and prevent undesirable angular movement thereof about said hinge pin.

1,480,030. RAZOR AND STROPPING DEVICE. NOEL STATHAM, Irvington, N. Y. Filed Aug. 30, 1919. Serial No. 320,834. 12 Claims. (Cl. 30—12.)



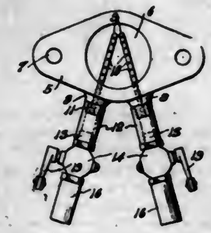
1. In safety razors and stroppers, a handle having a double thickness pivot portion, a resilient gripping sheet metal blade holder, a hinge support hinged to said blade holder and pivotally mounted between the double thickness of the pivot portion of said handle, a razor blade detachably held and aligned in said blade holder, a retaining device on said handle to hold one end of said blade holder when said holder and blade are swung substantially into the plane of the handle for sharpening purposes, and a guard member adapted to be detachably connected with said blade and holder and a resilient locking device on said guard member to detachably engage said handle and hold said guard member and blade in shaving position.

1,480,031. POCKET SAFETY RAZOR. NOEL STATHAM, Irvington, N. Y. Filed May 11, 1922. Serial No. 559,992. 10 Claims. (Cl. 30—12.)



10. In safety razors, a blade holder having resilient blade gripping lips to engage a razor blade and formed with a guard inserting slot and a resilient sheet metal guard having a retainer tongue adapted to be inserted into the enlarged end slot in said blade holder.

1,480,032. GASOLINE VAPORIZER. JOHN THRILL, Kankakee, Ill. Filed Mar. 27, 1923. Serial No. 628,109. 1 Claim. (Cl. 48—180.)

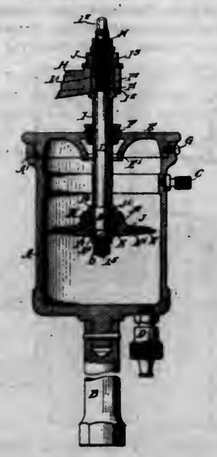


In a vaporiser including a plate adapted for application between a carburetor outlet and a manifold inlet of an internal combustion engine, said plate being formed with a relatively enlarged central opening, a pair of bosses formed upon one edge of said plate and having screw threaded openings extending therethrough, a pair of air outlet pipes within the said plate opening and secured within the said screw threaded openings of the bosses, nipples upon said bosses, pet cocks carried by said nipples, thimbles also carried by said pet cocks and having air inlet openings therein, and means for opening and closing said pet cocks.

1,480,033. DASHPOT PLUNGER. AXEL S. VOGT, deceased, late of Philadelphia, Pa.; by Axel G. Vogt, executor, Detroit, Mich. Filed Jan. 12, 1923. Serial No. 612,315. 2 Claims. (Cl. 188—96.)

1. A dash pot plunger comprising in combination an actuating rod, a disc of greater diameter than the rod secured in fixed position on said rod, a second disc also of greater diameter than the rod adapted to fit on the face of the fixed disc, one of said discs being of larger diameter

than the other and formed with a plurality of perforations extending through its portion which extends beyond the



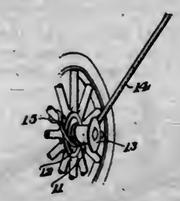
rod, and means for adjustably securing the second disc to the rod so as to shift the second disc from and to a position in which it contacts with the first disc.

1,480,034. WHEEL AND METHOD OF MAKING THE SAME. JAMES H. WAGENHORST, Akron, Ohio. Filed Nov. 15, 1918. Serial No. 262,649. 6 Claims. (Cl. 301—70.)



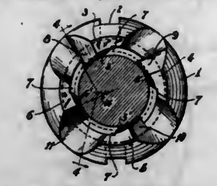
4. As a new article of manufacture, a wheel comprising a plurality of wooden spokes having their inner ends in contact, metallic caps upon the outer ends of said spokes, the ends of said caps being inclined, an endless metallic felly having an inclined base, said felly being laterally positioned upon the inclined spoke caps, a portion of said felly base being depressible into locked engagement with the end of cap.

1,480,035. VEHICLE EXTRICATING DEVICE. ORANGE S. WARRICK and SHADRACH H. HOUGHTON, Howard, Kans. Filed Sept. 3, 1921. Serial No. 498,292. 1 Claim. (Cl. 242—95.)



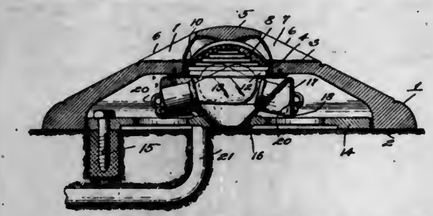
A vehicle extricating device comprising a drum adapted for engagement upon the outside of a rear wheel of a motor vehicle, the drum having a bore conformingly receiving and fitting closely upon the hub cap of the wheel, and a cable adapted to have one end secured to a stationary support and having its other end carrying a hook engageable upon one of the wheel spokes, the cable being initially given a few turns about the drum whereby to maintain tension on the cable between the drum and the spoke engaged by the hook, this tension and the close fit of the drum upon the hub being the sole means for retaining the drum in position.

1,480,036. THREAD-CUTTING DIE. FRANK O. WELLS and DAVID B. MILLER, Greenfield, Mass., assignors to The Wells Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1921. Serial No. 454,400. 4 Claims. (Cl. 10—118.)



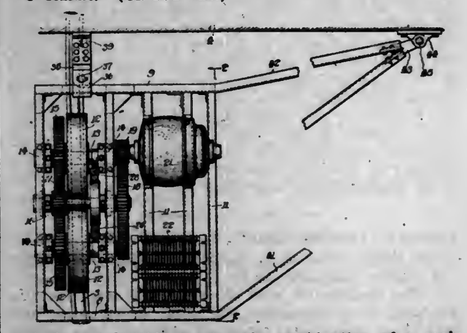
1. A thread forming tool comprising a body portion having an opening therethrough, a plurality of tapered prongs each formed with thread forming teeth, and recessed portions immediately in the rear of each of the teeth of the prongs.

1,480,037. TRAFFIC INDICATOR. DE WITT H. WYATT, Columbus, Ohio, assignor to Clifford W. Ozias, Columbus, Ohio. Filed Dec. 8, 1922. Serial No. 605,723. 2 Claims. (Cl. 240—1.)



1. A traffic indicator comprising a dome, a disk anchored to the roadway and confined within the dome to limit the lateral movement of said dome, a crown, a reflector carried by the disk, an illuminating medium carried by the reflector, a lens fixed in the top of the dome below the crown, radial webs connecting the crown and top of the dome to produce independent chambers into which the light rays from the lens are projected.

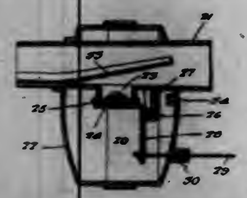
1,480,038. TURNTABLE TRACTOR. ROBERT W. YOUNG, Wilmette, Ill. Filed Aug. 27, 1923. Serial No. 659,459. 5 Claims. (Cl. 104—43.)



1. In a turntable tractor the combination of a main frame, a pair of supporting and driving wheels mounted in tandem relation on said frame, means of applying

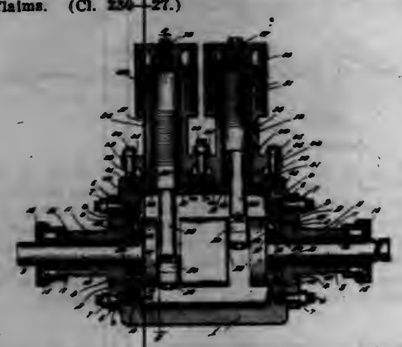
power to both of said wheels, means for flexibly connecting said frame to a turntable so that vertical movements of the turntable will not be imparted to the tractor, a triangular frame structure rigid with said main frame and extending laterally therefrom, and means at the apex of said frame structure for connecting the same to the turntable.

1,480,039. REED MUSICAL INSTRUMENT. HENRY ALPERS, Columbus, Nebr. Filed Feb. 13, 1922. Serial No. 536,226. 12 Claims. (Cl. 84—385.)



5. The combination with a C melody saxaphone, of means including a valve controlled chamber having communication with the interior of the neck of the instrument, whereby notes above F in the third octave may be played.

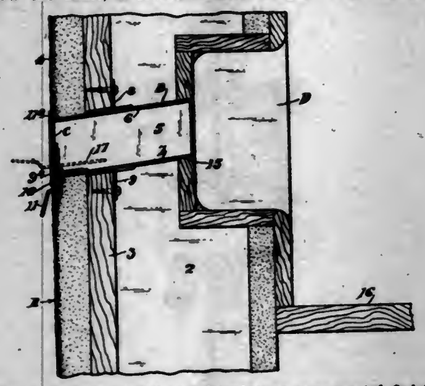
1,480,040. HIGH-PRESSURE CIRCULATING PUMP. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Warwick Downs, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed June 29, 1921. Serial No. 481,206. 2 Claims. (Cl. 230—27.)



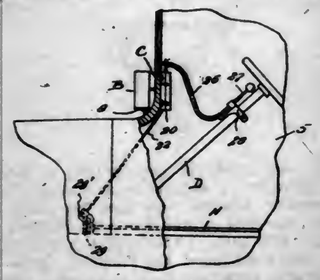
1. A high pressure circulating pump comprising a crank casing provided with openings at opposite ends thereof, end plates secured to said casing and serving as closures for said openings, said end plates being provided with bearings for supporting a crank shaft, a crank shaft positioned in said casing and rotatably supported by said bearings, integral cylinder secured to said casing and each provided with a main bore communicating with the interior of the casing and board inlet and outlet valve passages having their axes substantially parallel with the axis of the main bore, and pistons reciprocably mounted in the main bores of said cylinders and operatively connected with said crank shaft.t

1,480,041. LETTER DROP. THOMAS N. BADGER, Berkeley, Calif. Filed Nov. 1, 1922. Serial No. 598,329. 2 Claims. (Cl. 232—19.)

1. The combination with the outer wall structure of a dwelling, of a letter-drop extending therethrough, said letter-drop comprising connected side, top and bottom sections, forming an elongated casing rectangular shaped in cross section, means on said casing securing the casing to the wall structure and maintaining the casing in an angular position where the bottom and top sections assume an upward incline, a door hingedly secured to the bottom section and at the outer end thereof, a portion of the door projecting exterior of the bottom section and below the same, a frame formed integral with the exterior end of the casing and forming an ornamental finish for the exterior end, said frame overlapping the top and ends of the door and also forming a stop exterior of the door and a sounding member, and a spring engageable with the door to normally hold it in a vertical closed position.

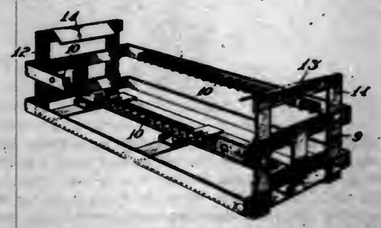


1,480,042. VEHICLE DIRECTION INDICATOR. OMER J. BETTES, Derry, N. H. Filed June 16, 1923. Serial No. 645,885. 5 Claims. (Cl. 116—52.)



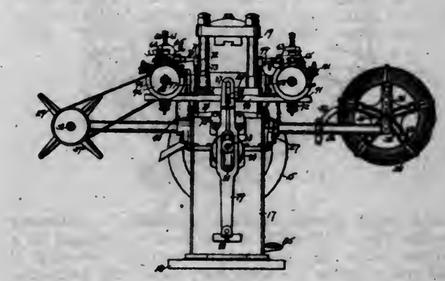
1. A direction indicator for vehicles, a pair of signal boxes at the front and rear of the vehicle, each of said signal boxes including a casing provided with an opening, a shaft journaled within said casing, indicating elements loose upon said shaft, and means carried by said shaft whereby when the same is moved in opposite directions, the indicating elements will be raised and lowered.

1,480,043. DISHWASHING APPARATUS. GEORGE S. BLAKESLEE, Chicago, Ill. Filed Sept. 10, 1918. Serial No. 253,390. 8 Claims. (Cl. 141—9.)



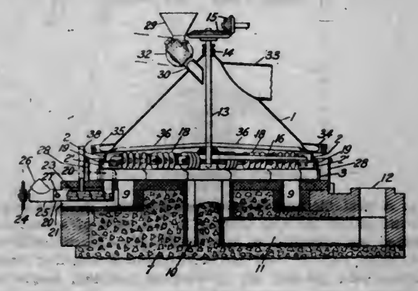
1. In a dishwashing apparatus, the combination with an open work receptacle adapted to contain the articles to be washed, of means outside of said receptacles for discharging water upon the articles therein and deflecting means carried by said receptacle for directing the water laterally against articles in said receptacles.

1,480,044. DIEING MACHINE. CHARLES L. BOWERS and HORACE J. BOONE, Hartford, Conn., assignors, by mesne assignments, to Henry & Wright Mfg. Co., Hartford, Conn. Filed Sept. 7, 1920. Serial No. 408,709. 26 Claims. (Cl. 164—89.)



1. A dieing machine including a frame with means to operatively support dies thereon, a reel supporting bar projecting from a side of the frame, a reel supported by said bar, and means for locating said reel in different positions along said bar.

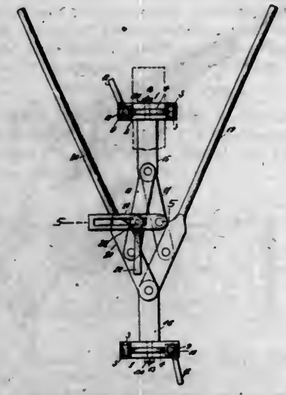
1,480,045. APPARATUS FOR TREATING HYDROCARBON-CONTAINING MATERIALS. CLIFFORD P. BOWIE, Berkeley, Calif., and MARTIN J. GAVIN, Boulder, Colo. Filed June 1, 1922. Serial No. 565,179. 5 Claims. (Cl. 196—25.)



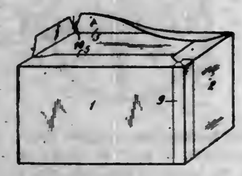
2. An apparatus for the described purpose comprising a retort to which the material to be treated is supplied; an underlying heating hearth upon which the base of the retort rests; a conduit leading from the peripheral region of the hearth for the discharge of the residual material; offtakes from the retort for the vaporous material; revolving disk-rabble gangs operating over the hearth for mixing the material being treated and directing it outwardly; scrapers associated with the rabble gangs at their outer extremities to deliver the residual material to the discharge conduit; and means for heating the hearth to a temperature increasing from the central region outwardly.

1,480,046. BELT TIGHTENER. THOMAS WINFIELD CARTER, Yarmouth, Nova Scotia. Filed Nov. 23, 1922. Serial No. 602,009. 2 Claims. (Cl. 254—52.)

2. A device of the kind described having two clamping means, a pair of levers pivotally connected to one of said clamping means, links connecting said levers to the other clamping means, whereby a movement of said levers will cause said clamps to approach, and means for locking said levers whereby said clamps will be maintained in fixed position.



1,480,047. CORRUGATED-BOARD CONTAINER AND BLANK THEREFOR. CHARLES H. CROWELL, Brooklyn, N. Y. Filed June 19, 1922. Serial No. 569,354. 10 Claims. (Cl. 229—23.)



1. The corrugated paper board shipping container comprising a four sided straight strip body blank of corrugated paper board having the corrugations arranged transversely of the length of the blank and formed with transverse folding creases between the adjacent sides, said blank being formed with stepped edges in which the outer facing of the corrugated board constitutes a projecting edge flange, seam reinforcing tape adhesively secured to said stepped edges to strengthen the same and minimize the splitting off of this flange under outward pressure, separate top and bottom members of corrugated paper board having the corrugations therein extending longitudinally of said members and transversely to the corrugations in the adjacent long sides of the container, said body blank having free sealing flaps pasted to the longitudinal edges thereof to be adhesively secured to the adjacent portions of said top and bottom members to secure them in place and form a substantially tight closure for the container.

1,480,048. SIGHT FOR FIREARMS. HAROLD G. DAVIS, Denver, Colo. Filed Apr. 24, 1922. Serial No. 556,324. 8 Claims. (Cl. 33—58.)

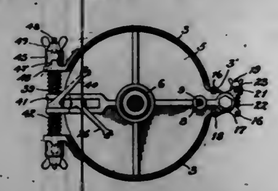
1. A fire arm having a barrel having a dove tail groove in the outer surface and extending in a direction parallel to the axis thereof, a slide in said groove, a stop means in said groove, a sight carried by said slide, means on said slide co-operating with the stop means in the groove

to limit the movement of the slide with respect to the barrel, said barrel also having a pair of spaced grooves



parallel with its axis, a slide in each groove, a sight carried by said slides, and means for limiting the movement of the slides with respect to the barrel.

1,480,049. BRAKE MECHANISM. HUGO DOTZER, Seattle, Wash. Filed Feb. 7, 1921. Serial No. 443,015. 5 Claims. (Cl. 188—75.)



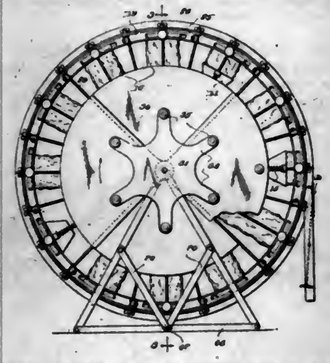
1. In a brake mechanism, a brake drum, a non-rotative cover for the drum, a pair of brake shoes within the drum, means for contracting and expanding the shoes for braking purposes and an adjusting bolt mounted in the cover having laterally extending arms at its inner end with toggle link connections with adjacent ends of said shoes and means for locking the bolt at adjusted positions.

1,480,050. BRAKE MECHANISM. HUGO DOTZER, Seattle, Wash. Filed Jan. 9, 1922. Serial No. 528,029. 8 Claims. (Cl. 188—77.)



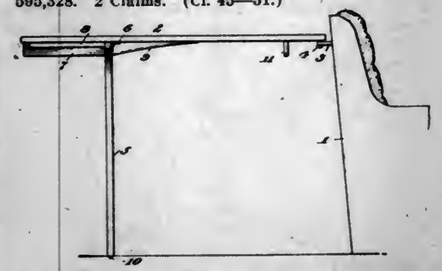
1. In a brake mechanism of the class described, the combination with a brake drum and a stationary cover therefor, of a pair of brake bands having adjacent ends pivotally connected with the cover, cam shoes at the other ends of said bands provided with alined apertures, a shaft extended rotatably through said apertures, cam heads fixed on the ends of said shaft to operatively engage the said shoes, a shaft rotating arm slidable thereon, and an arm support extended from the cover.

1,480,051. SLICING MACHINE. CARL DEWITT DYE, Detroit, Mich. Filed Jan. 22, 1923. Serial No. 614,300. 10 Claims. (Cl. 146—164.)



1. A bread slicing machine comprising a stationary annular rim, a plurality of loaf holders arranged in a circular series and mounted for rotation inwardly of said rim, a guide for each loaf, means for projecting each loaf within the rim, means for slicing each loaf in successive order as said loaves are rotated, said rim having an outlet opening through which the severed slices pass, and means for cutting each slice in halves just prior to its passage through said opening.

1,480,052. PORTABLE TABLE. CLARENCE WM. EPLEY, Gettysburg, Pa. Filed Oct. 18, 1922. Serial No. 595,328. 2 Claims. (Cl. 45—51.)



1. A portable and foldable table having means thereon for attaching one end thereof to the back of a seat and pivoted leg attached to the under side thereof adjacent the other end of said table, resilient means for maintaining said pivoted leg in vertical position, means on the end of said leg adapted to engage the supporting floor to prevent movement of the lower end of the leg and a drawer in the last mentioned end of said table, the drawer acting as a stop for said leg when said drawer is closed, said leg being adapted to be folded down against the under side of said table.

1,480,053. RAZOR-BLADE HOLDER. ERIC W. ERICSON, Brooklyn, N. Y. Filed Jan. 30, 1922. Serial No. 532,599. 2 Claims. (Cl. 30—25.)



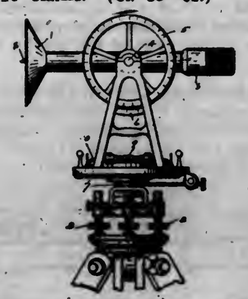
1. A holder of the class described comprising a handle member provided at one end with a threaded bore which flares outwardly, a jaw member provided at one end with a threaded extension and at its opposite end with a curved apertured portion, a supplemental jaw member provided at one end with a projection adapted to pass through the apertured end of the first named jaw member and the other end of said last named jaw member and the corresponding portion of the first named jaw member being tapered to conform with the flared bore of the handle member whereby said handle member serves to secure the separate jaw members together.

1,480,054. COTTON GIN. GEORGE E. EVANS, Waco, Tex. Original application filed Mar. 13, 1922, Serial No. 543,253. Divided and this application filed Feb. 26, 1923. Serial No. 621,442. 5 Claims. (Cl. 19—59.)



1. In an air blast cotton gin, a saw cylinder having circular saws and space blocks between the saws, and an air flue having its mouth under the space blocks, whereby dirt and extraneous matter falling by gravity are deflected from the mouth of the flue by said space blocks.

1,480,055. SOLAR COMPASS. FREDERICK W. FELLOWS, Los Angeles, Calif. Filed Feb. 9, 1922. Serial No. 535,377. 16 Claims. (Cl. 33—61.)



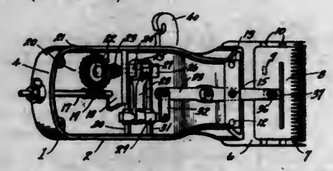
1. A solar compass comprising an element having a circular shadow-casting edge and a reading element adapted to receive the shadow cast by the sun's rays across said edge, said reading element being co-axial with said edge.

1,480,056. WOODEN SHAFT. DUTER W. FLINT, Cranston, R. I. Filed Oct. 9, 1922. Serial No. 593,214. 1 Claim. (Cl. 46—4.)



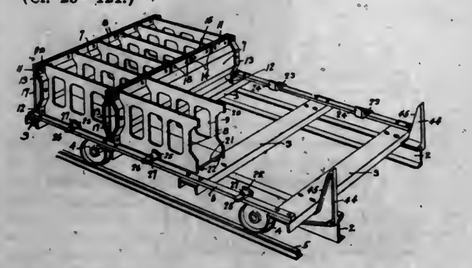
A shaft for golf clubs and the like comprising a composite body consisting of a plurality of strips of bamboo secured together side by side, the relatively soft inner portions of the respective strips being removed more or less to provide inclined surfaces, whereby when the strips are assembled with the inclined inner surfaces in abutted relation a taper is imparted to the body, and a wood sleeve surrounding and glued to the smaller end of said body, whereby separation of the contiguous ends of the strips is prevented and the shaft is reenforced at this locality, said sleeve having one end shaped to enter the socket of a head member.

1,480,057. HAIR CLIPPER. SYMON Z. GIBSON, Seattle, Wash., assignor of one-half to J. C. Gallagher, Seattle, Wash. Filed Mar. 13, 1922. Serial No. 543,344. 1 Claim. (Cl. 30—1.)



In a hair clipping device of the class described, a transmission mechanism comprising a lever pivotally mounted at a point between its ends and adapted to be operatively connected at its outer end to actuate a cutter blade, a driving shaft having an eccentric journal, a pair of guide rods, a cross-head slidable on said rods, a link connecting the crosshead with the inner end of the blade actuating lever, a pitman having one end mounted on the eccentric and connected at its other end with the cross-head.

1,480,058. MULTIPLE CEMENT-BLOCK MOLDING APPARATUS. WILLIAM GOLDIE, Wilkinsburg, Pa. Filed May 29, 1922. Serial No. 564,382. 16 Claims. (Cl. 25—121.)

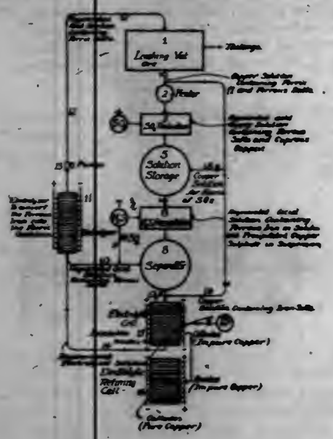


15. A multiple block mold comprising a plurality of spaced transverse vertical partitions provided with spaced slots at their upper edges, longitudinal vertical partitions having projections received in said slots, bottom plates or pallets disposed in the cells formed by said vertical members and adapted to clamp said vertical members between them, means for exerting longitudinal compression on said members, and means for exerting transverse compression upon said longitudinal members, the said transverse compression means comprising a fixed stop disposed at one side of each set of longitudinal partition members and wedging means disposed at the other side of said set of longitudinal members and adapted to compress said longitudinal partition members, and the bottom pallets between them, toward the said fixed stop.

1,480,059. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Apr. 16, 1918. Serial No. 228,952. Renewed Mar. 7, 1921. Serial No. 450,460. 27 Claims. (Cl. 204—15.)

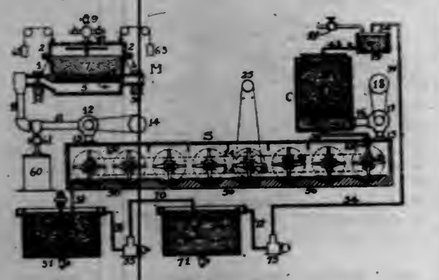
1. A metallurgical process comprising leaching ores of copper with an acid solution of ferric iron, generating hydrogen sulphide from acid and ferrous sulphide, precipitating the copper from the leach solutions with

the hydrogen sulphide so formed, adding the ferrous sulphate formed in the generation of the hydrogen sulphide to the leach solutions, electrolysing the ferrous iron in



the leach solution in the presence of the regenerated acid to convert the ferrous iron into the ferric condition, and then applying the regenerated ferric iron solution to the ore.

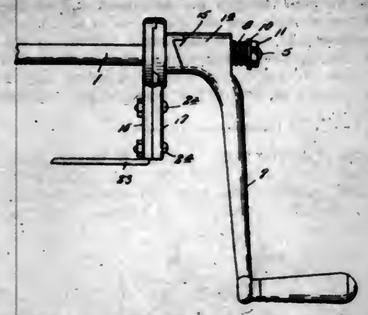
1,480,060. METALLURGICAL APPARATUS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Apr. 28, 1919. Serial No. 293,174. 19 Claims. (Cl. 266—12.)



1. In apparatus for treating liquids with gases, a lower section adapted to contain a liquid, an upper section engaging the lower section and forming a sealed chamber therewith, means for causing a flow of liquid through the lower section, means for causing a flow of gas through the upper section, rotary members within the chamber partly immersed in the gas and partly submerged in the liquid, and means alternating with the rotary members to give the liquid a sinuous flow through the chamber.

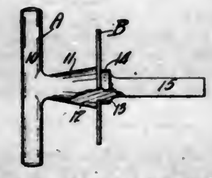
1,480,061. SAFETY CRANKING MEANS FOR INTERNAL-COMBUSTION ENGINES. GUSTAF OLOF GUSTAFSON, Branford, Conn. Filed Feb. 20, 1923. Serial No. 620,141. 2 Claims. (Cl. 123—185.)

1. In a safety cranking means, the combination with a shaft having a circumferential flange, a portion outwardly beyond the flange and bearing at its outer end an inclined tooth, and a reduced portion outwardly beyond said tooth-bearing portion; of a unit loosely surrounding said tooth-bearing portion of the shaft and having peripheral ratchet teeth and also having inclined clutch teeth, a crank loosely mounted on the reduced portion of the shaft and having comparatively deep inclined clutch teeth at its inner end to engage and be engaged



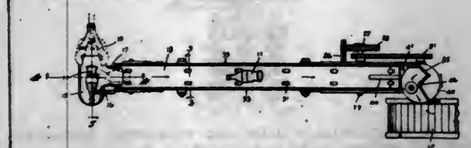
by the tooth of the shaft and to engage the clutch teeth of the said unit, and means on the shaft yieldingly pressing the crank inwardly.

1,480,062. LOCKHANDLE. SYLVESTER A. GUTMAN, Flint, Mich. Filed Jan. 16, 1922. Serial No. 529,484. 3 Claims. (Cl. 292—356.)



1. An article of the character described, comprising, a one piece body provided with a groove, and a rotatable member journaled in the bottom of said groove and confined endwise by the walls of said groove.

1,480,063. CONVEYER IN GLASS-MAKING APPARATUS. CLARENCE I. HALL and ALEXANDER SAMUELSON, Terre Haute, Ind., assignors to Chapman J. Root, Terre Haute, Ind. Filed Aug. 11, 1919. Serial No. 316,723. 14 Claims. (Cl. 198—22.)

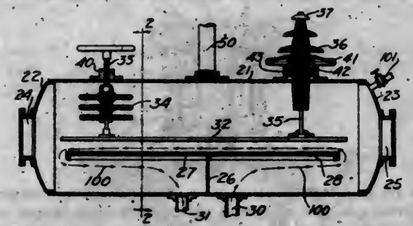


1. A conveyer for bottles after they have been formed and before they are cold, having a movable conveyer belt, and pairs of pins located at intervals thereon adapted to receive between them the necks of the bottles and hold them while being conveyed.

4. A conveyer for conveying glass articles, having a conveyer belt, means thereon for catching glass articles and conveying the same and holding them longitudinally of the belt as the belt moves, and means at the discharge end of said conveyer belt for separating and discharging the glass articles therefrom in a predetermined position.

1,480,064. ELECTRIC DEHYDRATOR. FORD W. HARRIS, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, San Francisco, Calif., a Corporation of California. Filed Nov. 23, 1921, Serial No. 517,404. Renewed May 9, 1923. 7 Claims. (Cl. 204—24.)

1. A method of dehydrating petroleum emulsions which comprises: establishing an electrostatic field between electrically charged surfaces immersed in an insulating fluid of sufficient dielectric strength to prevent disruptive discharges between said surfaces; and passing the emulsion to be treated through said field in such a manner that



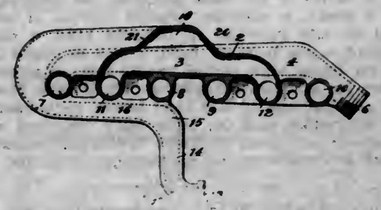
the envelope of insulating fluid around one of said electrodes is unbroken and the dielectric strength is maintained at a value sufficiently high to prevent disruptive discharge.

1,480,065. GARMENT HANGER. ELBRIDGE J. HART and DEANE L. HART, Cleveland, Ohio. Filed Apr. 17, 1922. Serial No. 553,905. 4 Claims. (Cl. 211—13.)



1. A garment hanger, comprising a base plate, a clamping bail having arms pivotally connected with said plate, a clamping bar slidably connected with said arms parallel with the middle portion of the bail, and braces pivotally connected with said bar and also said base plate adapting the parts to be folded and unfolded.

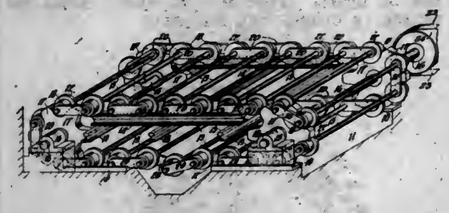
1,480,066. MANIFOLD FOR MOTOR CARS. OSCAR HAYES, Johnstown, Pa. Filed Oct. 11, 1918. Serial No. 257,740. 10 Claims. (Cl. 123—122.)



1. In a manifold construction, the combination of an intake manifold chamber having at its ends fuel supply outlet ports, and intermediate its ends a fuel inlet port, said inlet port being arranged nearer one of said outlet ports than the other, and a deflector formed by the wall of said manifold extending into the path of the incoming fuel to equalize the delivery thereof to the outlet ports.

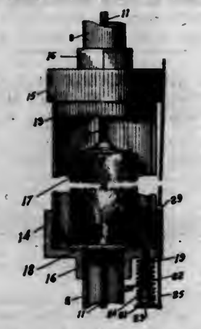
1,480,067. CONVEYER. CHRISTIAN F. HEINKEL, Cleveland, Ohio, assignor to The Stoney Foundry Engineering and Equipment Co., Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1922. Serial No. 542,260. 6 Claims. (Cl. 198—195.)

1. A conveyer comprising, a pair of upper track rails and a pair of lower track rails, track wheels arranged in pairs adapted to run on said track rails, a plurality of shafts extending across both of said pairs of track rails, each of said pairs of track wheels journaled on the ends of one of said shafts, and each of said shafts connected to the next of said shafts by one pair of links journaled on these shafts alternately on the inside and the outside of said track wheels.



5. A conveyer including, a chain and rollers therefor, an upper track for said rollers, and a lower track for for said rollers interrupted to provide a gap or space therein to permit said chain to sag and thereby take up the slack thereof.

1,480,068. ANTIFREEZE VENT FOR PUMPS. CLAUDE C. HERRELL, Vona, Colo., assignor of one-fourth to Charlie H. Davis and one-fourth to William O. Davis, both of Kiowa, Colo. Filed Nov. 3, 1922. Serial No. 598,816. 2 Claims. (Cl. 137—34.)



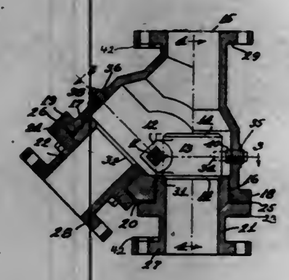
1. A safety device for pumps comprising a tubular section, a cap threadedly connected to each end thereof and adapted to connect said tubular section to the pump pipe so that it will be incorporated therein, a vent in one of said caps, said vent having a tubular member secured therein, a valve member slidably connected to said tubular member, means carried by the valve member for closing the opening in the tubular member, a spring surrounding said tubular member and engaging the valve member for holding the latter in open position and means for moving the valve member to closed position.

1,480,069. CIGARETTE EXTINGUISHER. WILLIAM HENRY JOSEPH HIPPLE, Jr., Philadelphia, Pa. Filed July 8, 1921. Serial No. 483,294. 1 Claim. (Cl. 131—51.)



A cigarette extinguisher comprising a device having inner, outer, upper and lower faces, each face forming a junction with two of the other faces, there being a plurality of tapered sockets extending through the device from the upper to the lower faces, the lower face being so shaped that the sockets open at their lower ends above a plane extending through the lowest portion of the lower face to form an air space communicating with the bottoms of the sockets when the device is placed on a plane surface.

1,480,070. SWITCHING VALVE. FRITZ HOVING, Chicago, Ill., assignor, by mesne assignments, to Raymond Bros. Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,852. 6 Claims. (Cl. 251—36.)



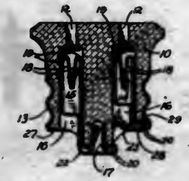
2. In combination, a fixture, a pipe rotatably mounted in said fixture, a valve seat on the end of said pipe toward said fixture, a valve cooperating with said seat, and means for holding said valve from rotating during the rotation of said pipe.

1,480,071. BED ATTACHMENT FOR AUTOMOBILES. VINCENT F. HRACHOVINA, St. Paul, Minn. Filed May 31, 1923. Serial No. 642,531. 6 Claims. (Cl. 5—119.)



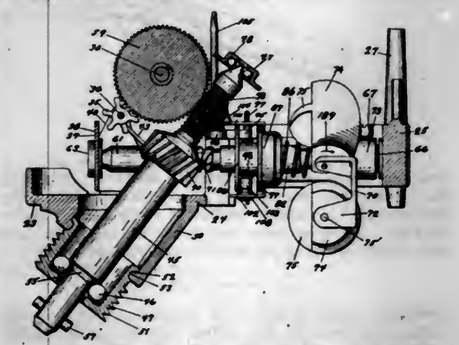
5. In a device of the class described, comprising in combination, a bed frame including a device adapted to be attached to an automobile running board, said device having a bottom, end walls, and a rear wall and forming one end of the bed frame, said bed frame being constructed to detachably support a flexible bed spring at the ends of the latter and comprising side rails, an end rail connecting the outer ends of said side rails and including a readily detachable and pivotal connection, respectively, with said side rails to render the same swingable horizontally, each of said side rails having a leg adapted to be folded thereagainst and being formed of an inner and outer rail member disposed in overlapping relation and being connected in a manner to be slidable one upon the other, separate manually operated mechanism for each of said side rails, operatively connected, respectively, with the component parts thereof, for sliding one rail member upon the other to effect an extension of the side rails when the mechanisms are actuated, said mechanisms including reciprocatory pins having readily detachable connections, respectively, with the inner rail members to stretch said spring taut when the recited mechanisms are actuated, a plurality of slidably overlapping interconnected table top plates pivotally mounted in the end walls of said device in a manner to be extended over said side rails to and into engagement with said end rail to be held against longitudinal movement thereby, and an opening and means in each of said inner rail members adapted to engage, respectively, said pins to change the location of the point of attachment of the latter for the purpose of pulling said interconnected table top plates collectively taut by virtue of the actuation of said mechanisms.

1,480,072. SEPARABLE ATTACHMENT PLUG. HARVEY HUBBELL, Bridgeport, Conn. Filed Feb. 16, 1921. Serial No. 445,407. 4 Claims. (Cl. 173—343.)



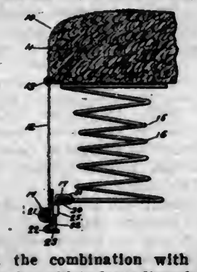
1. In an attachment plug, a blade receiving contact comprising a pair of spring plates, attaching flanges on said plates, and a tie plate having a slot to receive the spring plates and a depression which receives said flanges in superimposed relation and keeps their outer surface flush with the surface of the tie plate.

1,480,073. SPEEDOMETER. ERNEST R. HUNTLEY, Toledo, Ohio, assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 2, 1919. Serial No. 269,339. 1 Claim. (Cl. 264—3.)



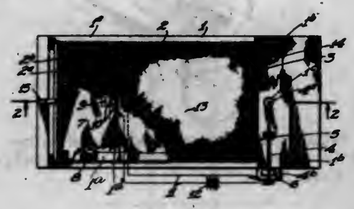
In a device of the class described, the combination with a frame, a governor mounted thereon, a sleeve moved by said governor, an indicator hand, a pinion connected to the indicator hand, a pair of spaced lugs upon the frame, a pin carried by said lugs, an actuating member for said pinion having a pair of arms pivoted upon said pin, one of said arms having teeth meshing with said pinion and the other being connected with said sleeve, and means yieldingly holding said actuating member in a predetermined position upon said lugs.

1,480,074. SPRING SEAT. ERNEST R. HUNTLEY, Toledo, Ohio, assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 2, 1919. Serial No. 269,338. 15 Claims. (Cl. 155—180.)



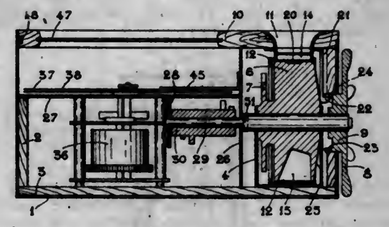
1. In a seat, the combination with a border frame and a cushion, of a skirt depending from said cushion enclosing said frame, a strip secured to the inner face of said skirt adjacent to the lower edge thereof and a plurality of downwardly extending hooks secured to said border frame for engaging said strip.

1,480,075. ANIMAL TRAP. RUDOLF JACOBI, San Diego, Calif. Filed Oct. 16, 1922. Serial No. 594,800. 5 Claims. (Cl. 43—61.)



5. An apparatus of the class described, including a supporting frame provided with a base and a frame portion, a cage provided with an opening in one end supported by said supporting frame, retaining means positioning said cage and said supporting frame relatively to each other, a door pivotally mounted on said cage over the opening therein, an electromagnet mounted on the frame portion of said supporting frame, a tripping member pivotally mounted on the upper portion of said frame portion, so positioned and constructed as to engage said door when the latter is in open position and also adapted to be attracted by said electromagnet, a platform positioned within and at the rear portion of said cage, a resilient switch member mounted at the lower portion of said platform, a stationary switch member positioned contiguous to said resilient switch member and electrical conductors connecting said switch members to said electromagnet and a source of electrical energy.

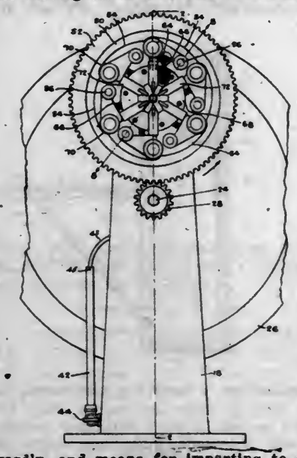
1,480,076. CHECKING APPARATUS FOR PIGEON-FLYING COMPETITIONS. GEORGES JACQUET, Charleroi, Belgium. Filed Feb. 5, 1923. Serial No. 617,053. 10 Claims. (Cl. 234—36.)



1. In checking apparatus for pigeon flying competitions and the like, the combination of a casing, a clockwork in said casing, a dial adapted to be rotated by said clockwork, a rotary barrel for receiving the identification rings of the pigeons, a plurality of marking members arranged side by side, and means operatively connected with said barrel for successively causing each of said members to make a mark on said dial.

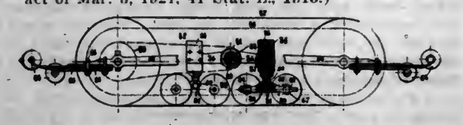
1,480,077. DIE-FORGING MACHINE. EDWARD E. JOHNSON, St. Paul, Minn. Filed Feb. 13, 1920. Serial No. 358,449. 7 Claims. (Cl. 78—21.)

1. A die forging machine comprising a rotatable member, a plurality of dies mounted for radial movement toward and away from the article operated upon, operating connections between said dies and said rotatable member for moving all of said dies in unison inwardly



and outwardly, and means for imparting to said rotatable member a fractional part of a complete rotation corresponding to the number of said dies.

1,480,078. SUPPORTING AND DRIVING BAND FOR MOTOR CARS. ADOLPHE KÉGRESSE, Paris, France. Filed Mar. 30, 1921. Serial No. 457,109. 7 Claims. (Cl. 180—9.1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



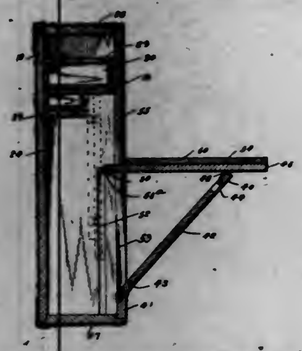
1. In an automobile, an endless, flexible supporting and driving band; supporting wheels aroundd which the band passes; and a system of rollers supporting the weight of the axle and bearing upon the band; said supporting wheels being devoid of rigid connection with the roller system and being adapted to rest freely upon the band and to rock vertically about an axis without acting on the chassis or on said roller system.

1,480,079. ARCH SUPPORT. HARVEY B. KENNEDY, Pittsburg, Kans. Filed Sept. 27, 1920. Serial No. 412,898. 9 Claims. (Cl. 36—71.)



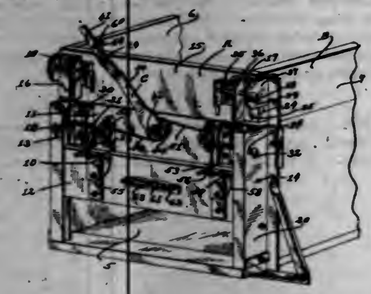
1. An arch support comprising an insole provided with a flexible flap having a marginal connection with the insole, and a filler element adapted to be interposed between said flap and insole, said flap being provided with retaining pockets for removable engagement with the ends of said filler element.

1,480,080. CABINET AND WARDROBE. WOOD DANIEL KENT, Kansas City, Mo. Filed Dec. 17, 1920. Serial No. 431,427. 2 Claims. (Cl. 45—51.)



1. In combination, a cabinet section having side walls and a rear wall, an upper door and a lower door at the front of the section, a shelf extending forwardly from the rear wall intermediate the side walls and above the lower edge of the upper door, a table having a portion normally disposed intermediate the shelf and upper door and projecting above the shelf to prevent escape of matter supported thereon, the space below the shelf intermediate the rear wall, table and side walls constituting a closet space, a frame for the lower door hinged on substantially horizontal axis to the table and to the cabinet section, the table being adapted for extension through the space normally closed by the upper and lower doors with the said frame diagonally disposed and constituting a brace for the table, coacting means between the table and cabinet to support the table in the latter position, and said lower door constituting a means of access to the closet space.

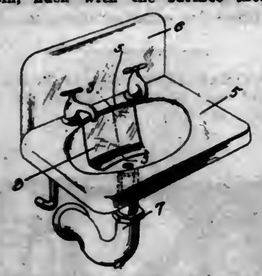
1,480,081. END GATE. GUSTAV KLOMHAUS, Plainfield, Ill. Filed Sept. 8, 1922. Serial No. 586,933. 6 Claims. (Cl. 296—52.)



1. An endgate comprising an upper section, a lower section, releasable locking members carried by the upper section for engaging a wagon body, a lever rotatably carried by the upper section, cables detachably connected to the lower section adjacent to the opposite ends thereof, means operatively connecting the cables with the lever whereby upon movement of the lever in one direction the lower section will be raised.

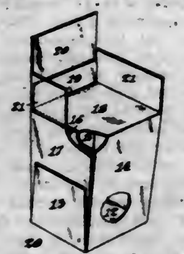
1,480,082. MIRROR WASHBASIN. FRANK A. KRATOCHVIL, Chicago, Ill. Filed Aug. 30, 1922. Serial No. 585,186. 2 Claims. (Cl. 4—166.)

1. In combination with a wash basin, a mirror aronated both longitudinally and vertically to conform to the curvature of said basin, said mirror being inlaid in said basin, flush with the surface thereof, and a



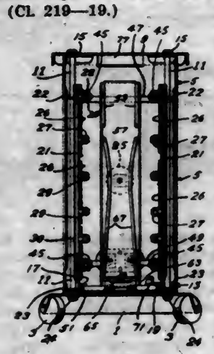
mirror flange formed integral with said mirror and adapted to extend in a longitudinal plane parallel to the top of said basin.

1,480,083. LIQUIDPROOF PAPER VESSEL. ELIE W. LABOMBARDE, Nashua, N. H. Filed Sept. 2, 1921. Serial No. 497,885. 11 Claims. (Cl. 229—3.1.)



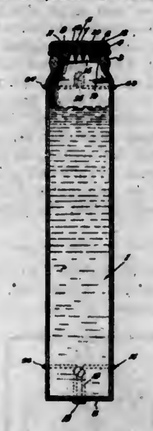
4. A paper board blank for making a box, said blank of single thickness being interiorly impregnated with liquid-repellant material, both surfaces of the blank being in condition to enable overlapping portions thereof to be glued together.

1,480,084. ELECTRIC TOASTER. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 21, 1922. Serial No. 589,521. 14 Claims. (Cl. 219—19.)



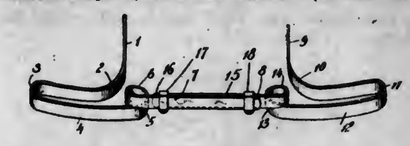
1. An electric toaster having a heat retaining casing provided with a door, heating conductors supported therein and lying in two vertical planes, a vertical toast holding rack movable through said door to and from the space between said planes, and a crumb tray beneath said rack and extending beyond the sides thereof, said door having lateral extensions at its bottom portion so as to conform substantially to the outline of the upper portion of said rack and admit said tray.

1,480,085. FIRE EXTINGUISHER. HOWARD W. LINARD, Dayton, Ohio, assignor to The Kanard Company, Dayton, Ohio, a Corporation of Ohio. Filed May 18, 1921. Serial No. 470,514. 1 Claim. (Cl. 299—103.)



In a fire extinguisher of the class described, a container having a mouth and a surrounding exterior bead, a sprinkling closure for the said mouth comprising a body of substantially circular form provided at its upper side with a circumscribing outstanding shoulder, a packing ring fitted about the body and engaged at its upper edge by the shoulder, the said body and its ring being fitted into the mouth of the container with the surface of the ring contacting the wall to provide a fluid-tight connection between the parts, the body being provided with a plurality of discharge orifices opening through its upper and lower faces and thruogh which the fluid contained within the container is to be discharged, and a closure for the container comprising a cap removably fitted on to the mouth thereof and retained by said bead and contacting at its inner side with the upper side of the closure body whereby to normally seal the discharge ends of the said orifices.

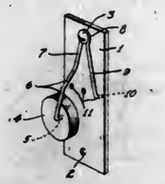
1,480,086. BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Aug. 18, 1921, Serial No. 493,215. Renewed Apr. 6, 1923. 18 Claims. (Cl. 293—55.)



2. The automobile buffer formed of flat spring steel strip and comprising attaching members and connected end loops and adjacent outer impact receiving portions of the buffer front, intermediate spiral bent portions formed in the flat spring strip between the end loops and resiliently supporting the connected central contact portions of the buffer front, and a front contact portion substantially in line with the outer impact receiving portions of the buffer front and connected at one end to an outer impact receiving portion.

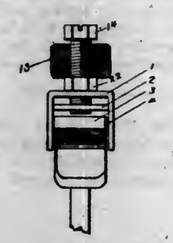
1,480,087. ANTIRATTLING DEVICE. JAMES L. MCCLINTOCK, Wichita, Kans., assignor of one-third to R. C. Wellman and one-third to W. H. McCoin, both of Wichita, Kans. Filed Apr. 14, 1922. Serial No. 552,687. 6 Claims. (Cl. 292—77.)

3. An anti-rattling device including a base provided with an opening for the reception of means for securing it in place; a spring member having a portion formed to cooperate with the securing means to hold the spring in place; an arm on the spring member adapted to be secured to the base to vary the tension of the spring



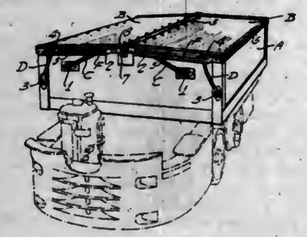
member, said base being provided with openings in spaced relation; and the arm having a portion adapted to be placed in certain of the openings.

1,480,088. ANTIWEAR DEVICE FOR CONTROLLING LEVERS. WARNER A. MADISON and WILLIAM HARRY DUNSTON, Des Moines, Iowa. Filed Feb. 19, 1923. Serial No. 619,869. 3 Claims. (Cl. 74—39.)



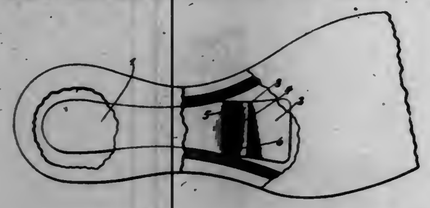
1. The combination of a movable bolt supporting arm, a rocker arm adjacent thereto having a cam plate thereon, with a device supported on said bolt comprising a yoke having a cross member on the bolt and a pair of spaced arms arranged on opposite sides of said plate, a cross brace between said arms mounted on the bolt, said cross member and cross brace and bolt having screw-threaded connection for adjustment, a spindle between said arms bearing on said cam plate.

1,480,089. BATTERY BOX FOR STORAGE-BATTERY LOCOMOTIVES. RAYMOND MANCHA, St. Louis, Mo., assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 11, 1922. Serial No. 593,931. 7 Claims. (Cl. 220—32.)



1. A battery box provided with a pair of lids that are adapted to be arranged over the upper end of the box, and pairs of swinging links pivotally connected to each lid and to the box for guiding, said lids in such a way that they will clear the upper edges of the side walls of the box when said lids are moved into their open position and for thereafter rigidly holding said lids in an upright position.

1,480,090. SHANK STIFFENER. FREDERICK P. MARX, St. Louis, Mo. Filed Oct. 2, 1922. Serial No. 591,820. 5 Claims. (Cl. 36—76.)



1. In a shoe, a shank stiffener comprising a rear section having about half of its length over the heel of the shoe and behind the breast wall of the shoe, a front section extending under the forward end of the rear section, and a pivot device uniting said two sections and limiting relative longitudinal movement thereof and permitting vertical and lateral pivotal movement.

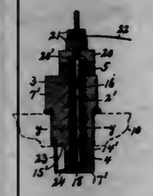
5. A shank stiffener comprising a rear section having a hole in its forward end, a front section extending under the forward end of the rear section and having a portion extending upwardly through the hole in the rear section, and means in connection with said two sections limiting both their longitudinal and lateral movements.

1,480,091. DEHYDRATOR. WYNN MEREDITH, Alameda, Calif., assignor to Petroleum Rectifying Company, San Francisco, Calif., a Corporation of California. Filed Feb. 14, 1921. Serial No. 444,948. 2 Claims. (Cl. 196—25.)



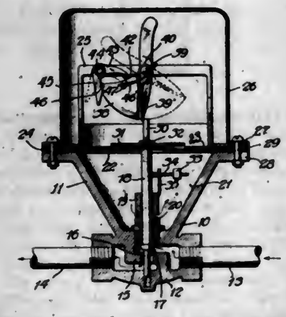
2. A process of agglomerating water particles from an emulsion which comprises forcing the emulsion upwardly in a series of fine jets through a loosely held mass of comminuted material.

1,480,092. SPARK PLUG. RAYMOND E. MEYER, Syracuse, N. Y. Filed Oct. 8, 1920. Serial No. 415,619. 1 Claim. (Cl. 123—169.)



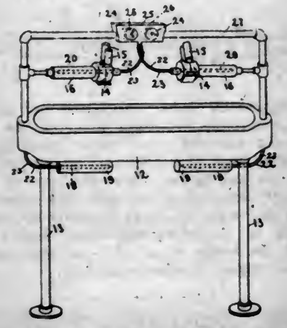
A spark plug comprising a bushing having a lengthwise bore mainly at one side of its axis, said bushing having a reduced inner end concentric with the bore, a spark terminal secured to and projecting inwardly from the inner end of the bushing at the opposite side of said axis and in spaced relation to the reduced extension, an insulator sleeve extending through the bore, a conductor extending through the sleeve, a head secured to the inner end of the conductor and provided with a spark terminal cooperating with the first named terminal for ignition purposes, said head having an annular groove for receiving the inner end of the sleeve, an insulator disk adjustable lengthwise of and upon the inner end of the sleeve between the head and reduced end of the bushing, a collar loosely surrounding the outer end of the conductor and provided with an annular groove for receiving the outer end of the sleeve, an insulator disk adjustable lengthwise of and upon the outer end of the sleeve between said collar and outer end of the bushing, and means for adjusting the collar and conductor axially relatively to each other for tightening the disks in place, one of said grooves being of sufficient axial depth to allow its end wall to clear the adjacent end of the sleeve when the disks are tightened against the adjacent ends of the bushing.

1,480,093. AUTOMATIC SAFETY CUT-OFF. ALBERT L. MILLER, Johnstown, Pa. Filed Apr. 30, 1923. Serial No. 635,580. 5 Claims. (Cl. 67—115.)



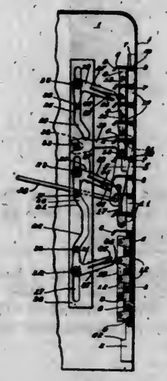
1. An automatic gas cutoff mechanism comprising the combination with a valve casing valve seat and vertically reciprocating valve of a stem extending above said casing, a weighted locking segment pivoted above the valve stem, means for normally retaining said locking segment in inoperative position, said means being adapted to engage the upper portion of the valve stem in its raised position.

1,480,094. BOTTOM-FILLING MACHINE. LAWRENCE L. MILLER, Brockton, Mass., assignor to Oscar L. Redifer, Philadelphia, Pa. Filed Dec. 5, 1921. Serial No. 519,901. 2 Claims. (Cl. 18—1.)



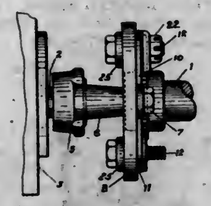
1. A bottom-filling machine, comprising an oblong pot, means for supporting the same horizontally with its longer sides unobstructed, so that stations are provided for two operators, standing one at one side, and the other at the opposite side of the pot, each facing one of said longer sides, two groups of machine elements supported above the pot in axial alinement with each other, and substantially parallel with, and equidistant from the longer sides of the pot, each group including a filler-applying knife-holder, and a filler-spreading member, one group being arranged over one end portion of the pot for use by one of the operators, and the other group over the opposite end portion, for use by the other operator, and heating apparatus adapted to heat the pot and the said groups.

1,480,095. RADIATOR SHUTTER. EDWARD A. MOLLER, Baltimore, Md. Filed May 5, 1921. Serial No. 467,083. 15 Claims. (Cl. 257—132.)



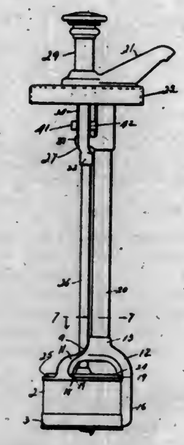
3. In a radiator shutter in combination, a series of swinging plates mounted to open and close and means for moving them from open to closed position and vice versa, the same comprising a plurality of members, the plates being divided into a corresponding number of groups of adjacent plates and means for connecting each of the plates of each group to the said corresponding member and a plurality of operating members, one for each said group and means for operating said members successively whereby the respective groups of plates from the bottom to the top are closed successively and opened in reverse order.

1,480,096. ADJUSTABLE FLEXIBLE SHAFT COUPLING. EDWARD MOORE, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Oct. 7, 1921. Serial No. 506,065. 8 Claims. (Cl. 64—96.)



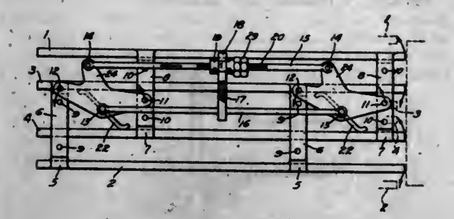
1. An adjustable coupling comprising a disc, a driven shaft coupling member secured thereto, a driving hub rotatably adjustable with respect to said disc, teeth on said hub, clamping members having a peripherally disposed lip terminating in a pair of teeth at its free ends for engaging said teeth on the hub at points a considerable distance apart, and means passing through said disc and clamping members for securing the parts together in cooperative relationship.

1,480,097. SIRUP PUMP. WILLIAM MORLOK, Philadelphia, Pa., assignor to L. A. Prouty Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 4, 1922. Serial No. 534,130. 7 Claims. (Cl. 225—35.)



1. A pump comprising a cup and a notched plunger therein, a portion of the notch in said plunger lying beyond the cup only when the plunger is in its outermost position.

1,480,098. MOLDING MACHINE. LEO F. MULQUEEN and PATRICK WALSH, Los Angeles, Calif. Filed July 17, 1922. Serial No. 575,487. 7 Claims. (Cl. 25—131.)

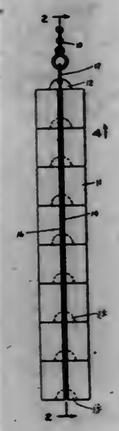


1. In a machine of the class described, comprising 2 sets of molding plates, the second set of molding plates thereof being alternately meshed between the first set of molding plates, in combination with a supporting means for each set of molding plates, adapted to regulate the spaces lying between the said respective sets of plates and individual plates, a pair of crank means operatively positioned between the said holding means for the two sets of plates, adapted to open and close the said sets of plates, crank arms integral with the said crank means, a separating means, adapted to control the space between the said pair of crank means, a supporting arm integral with the central portion of the said separating means, as set forth.

1,480,099. SECTIONAL SASH WEIGHT. JAMES A. MURPHY, Hamilton, Ohio. Filed Nov. 20, 1922. Serial No. 602,135. 1 Claim. (Cl. 16—218.)

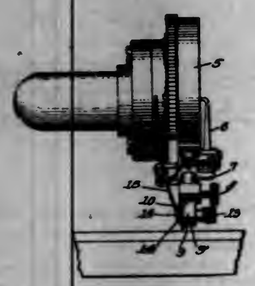
A sectional sash weight comprising a plurality of sectional members, each of said members having a projecting portion on one side thereof and a corresponding recess on the opposite side thereof for receiving the projecting

portion of the next adjacent member, each of said members being further provided with diametrically opposed slots extending parallel with the axis on opposite sides and across the top and bottom thereof, and a binding band



adapted to extend about all of said sections when mounted one upon the other through the aligned slots in the sides, top and bottom of the combined sections for securing said sections together, substantially as and for the purpose described.

1,480,100. PHONOGRAPH NEEDLE. SAMUEL NELSON, Waterloo, Iowa. Filed Apr. 9, 1923. Serial No. 630,856. 2 Claims. (Cl. 274—37.)



2. A phonograph needle comprising a body portion having an opening, a shank carried by the body portion, a pin mounted within said opening and having an opening formed therein, a nut carried by the pin, and a longitudinally adjustable playing element arranged within the opening of said pin.

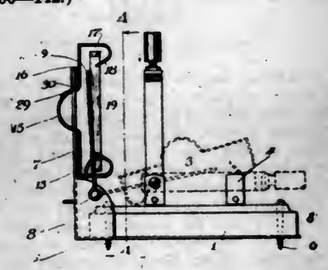
1,480,101. DENTAL FLOSS APPLIANCE. JOHN G. OGDEN, Plainfield, N. J. Filed Mar. 22, 1922. Serial No. 545,708. 2 Claims. (Cl. 132—92.)

1. A dental floss appliance embodying a handle provided interiorly with a chamber adapted to contain a supply of dental floss, a yoke associated with the open end of said chamber and having a co-axial opening, the free ends of the arms of said yoke having tapering V-shaped slots with constricted places in which the end of the floss after



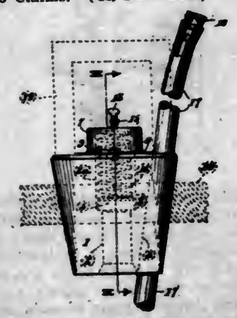
passing through said opening may be stretched across said yoke and held taut in said slots by frictional engagement solely therein.

1,480,102. CIRCUIT CLOSER. JOHN CHRIS OLSEN, Minneapolis, Minn.; Sinev C. Olsen administratrix of said John Chris Olsen, deceased. Filed Apr. 7, 1920, Serial No. 371,863. Renewed Sept. 28, 1923. 4 Claims. (Cl. 200—142.)



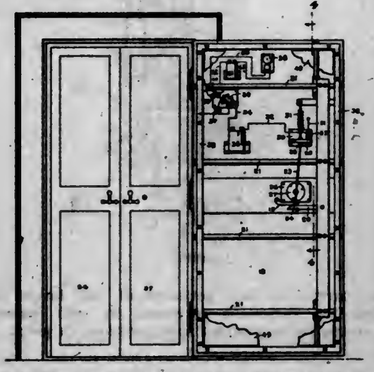
4. A device of the class described comprising a holder having inwardly directed end portions, a breakable vial connected to said end portions, a spring actuated member engaged with said breakable vial and normally held in a retracted position thereby, and fusible means normally retaining said holder in a retracted position.

1,480,103. VENTED BARREL BUNG. JOSEPH OROSS, Cleveland, Ohio. Filed Nov. 28, 1922. Serial No. 602,842. 6 Claims. (Cl. 217—100.)



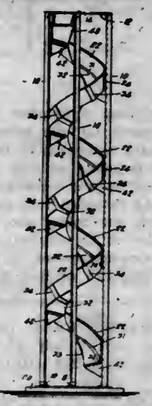
1. In a barrel bung having an air vent passage, an outwardly opening disk valve closing said passage, a frame secured to the outer end of the bung and overlying the passage and valve, and a spring interposed between the frame and outer side of the valve.

1,480,104. LOCKING MEANS FOR THE BOLT SYSTEM OF VAULT OR SAFE DOORS OR THE LIKE. EMMET SMITH PALMER, Seattle, Wash. Filed Mar. 16, 1920, Serial No. 366,197. Renewed Apr. 2, 1923. 14 Claims. (Cl. 109—8.)



1. A locking mechanism for a vault door bolt system embodying a bolt blocking means, an electromagnet operatively disposed with respect to said bolt blocking means, a switch, a combination lock, and a connecting means, one end of which is releasably secured to the combination lock and the other end of which is secured to said switch which is thereby maintained normally in open position.

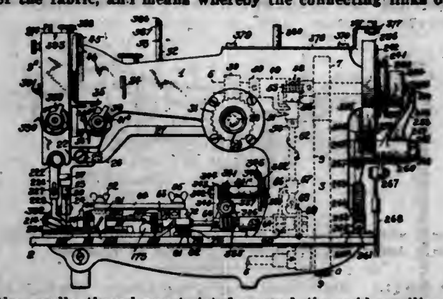
1,480,105. SPIRAL LOWERING CHUTE. FRANK PARDEE and FRANK PARDEE, Jr., Hazleton, Pa. Filed Apr. 28, 1922. Serial No. 557,063. 7 Claims. (Cl. 193—12.)



1. A skeleton frame for supporting a spiral runway comprising a plurality of uprights and a spiral flange secured to and forming the sole bracing for said uprights.

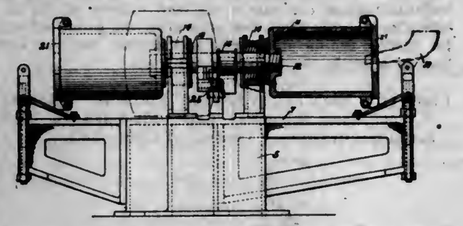
1,480,106. SEWING MACHINE. WILLIAM N. PARKES, Brooklyn, N. Y. Filed Feb. 1, 1919. Serial No. 274,532. 25 Claims. (Cl. 112—98.)

14. In a sewing machine, a vertically reciprocating needle, means for producing a relative lateral movement between said needle and the work so that stitches are made in and off the edge of the fabric, means for producing a second relative lateral movement between the needle and the work to dispose said stitches in embroidered scallops with the stitches of the outer edge of the scallops located off the edge of the fabric, means for looping an auxiliary thread around the stitches made off the edge of the fabric, and means whereby the connecting links of



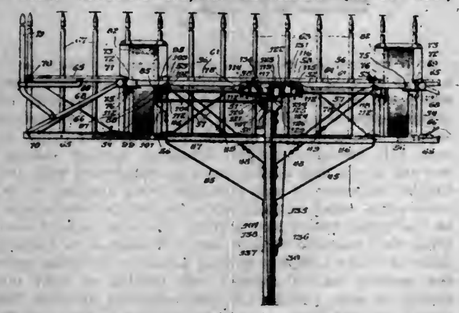
the needle thread are twisted around the said auxiliary thread along the edge of the scallops which is located off the edge of the fabric.

1,480,107. CASTING MACHINE. WILLIAM H. PASHLEY, New York, N. Y. Filed Jan. 4, 1922. Serial No. 527,015. 3 Claims. (Cl. 22—65.)



1. In a casting apparatus, in combination, a shaft, means for rotating said shaft and casting drums detachably secured one at each end of said shaft.

1,480,108. SHOCK GATHERER. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 289,080. 42 Claims. (Cl. 56—398.)



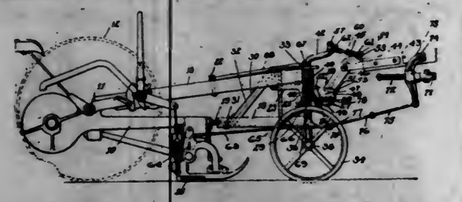
1. In a shock gathering machine, a frame, a rake carried thereby, single means for first tilting said rake, and then raising said rake relative to said frame.

40. In a shock gathering machine, a frame, a rake carried thereby and power actuated means for first tilting said rake and then simultaneously tilting and raising said rake, and manually controlled means for adjusting the angularity of said tilting.

1,480,109. TONGUE TRUCK. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed July 8, 1919. Serial No. 309,354. 19 Claims. (Cl. 280—82.)

1. In combination, a wheeled vehicle, a draft member carried thereby, a tongue pivoted to said draft member

for longitudinal and lateral movement, a wheeled support for said tongue and operative connections between

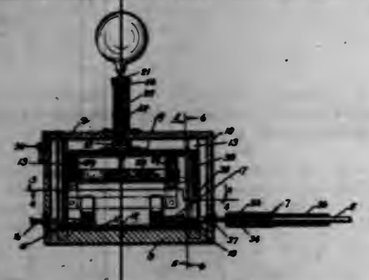


said support and said tongue for automatically aligning said draft member with said tongue in backing.

1,480,110. PROCESS FOR PRODUCING METALLIC LEAD FROM ORES, PRODUCTS, AND COMPOUNDS. MAXWELL GEORGE PLATTEN, Salt Lake City, Utah. Filed Nov. 8, 1920. Serial No. 422,490. 2 Claims. (Cl. 75—18.)

1. A process for treating lead ores which consists of subjecting the crushed ore to leaching in a saline solvent, then passing the solution thus obtained over and around metallic iron to precipitate the lead content of the solution as metallic lead, then separating the saline solvent for further use on other ores, and melting the iron and lead to separate the lead from the iron.

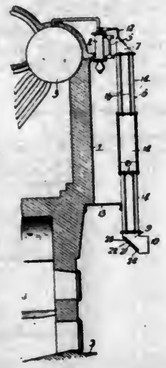
1,480,111. SAFETY ELECTRIC SWITCH. RAPHAEL F. POLI, Camp Schumway, Colo. Filed Jan. 18, 1923. Serial No. 613,375. 2 Claims. (Cl. 200—50.)



1. A switch comprising in combination a switch box; a cover hingedly connected thereto; an insulating switch base secured to the bottom of the box; a plurality of contact clips secured to said base in pairs; conductors secured to one member of each pair, the other clips of each pair having a tubular connector secured thereto, one end of the box having openings registering with the tubular connections, said openings being adapted to receive plugs which connect with the tubular connectors; an insulating switch base movably mounted in said box; conductors mounted on said base and adapted to connect pairs of contact clips; resilient means cooperating with the movable switch member and tending to hold the switch in open position; a rod extending through the switch box and having one end connected to the movable insulated base whereby the same may be moved from open to closed position; a plate of insulating material secured to one end of the movable plate and adapted to obstruct the passage from said openings to said tubular connectors when the switch is in closed position; and openings in the lower edge of said plate.

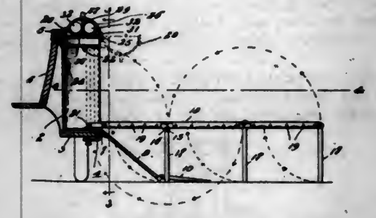
1,480,112. PERISCOPE. HERMAN A. POPPENHUSEN, Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,244. 6 Claims. (Cl. 88—1.)

1. The combination with an instrument adapted to indicate varying conditions and located at a point remote from the station of the observer, of a periscope extending between said instrument and the observer's station, said periscope being arranged to cause an image of said instrument to be visible at said station, adjustable indi-



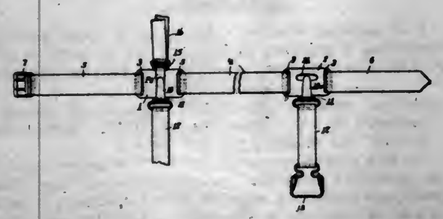
cators carried by said periscope at said image for recording the variations registered by said instrument, and means for supporting said periscope in place.

1,480,113. AUTOMOBILE CAMP EQUIPMENT. GEORGE C. POWELL, Bancroft, Mich. Filed Mar. 6, 1922. Serial No. 541,601. 1 Claim. (Cl. 190—12.)



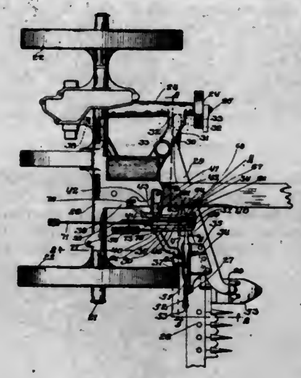
In an automobile camp equipment, the combination of a casing body, adapted for the reception of a folding bed, a holder hingedly connected to the front top corner of the casing body to swing onto or off of the latter, a threaded rod carried by and arranged centrally in the holder, a nut on said threaded rod, and retainers in and hingedly connected to the holder and aperture to receive said rod and adapted to be secured on the rod by said nut to removably secure thermos bottles or the like in and against the holder and against casual movement.

1,480,114. COMBINATION BELT. GEORGE A. PROCTOR, Watertown, Mass. Filed July 17, 1922. Serial No. 575,741. 2 Claims. (Cl. 241—10.)



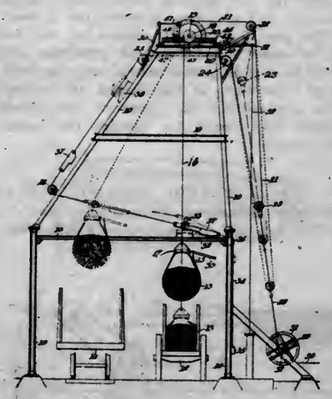
1. A combination belt comprising flexible portions, and a plate uniting the same, said plate having an upwardly projecting hook rising from its lower edge, and a slot into which the tip of said hook projects.

1,480,115. MOWER. CHARLES A. A. RAND, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed May 2, 1919. Serial No. 294,195. 11 Claims. (Cl. 56—285.)



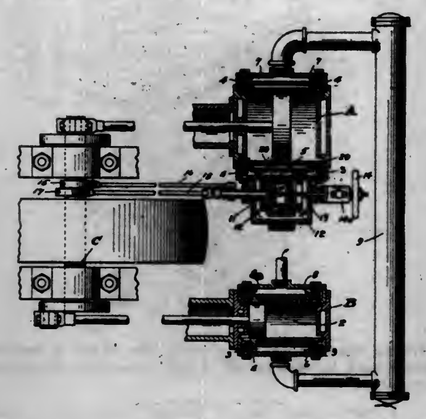
1. In a mower, a frame, cutting apparatus carried thereby, lifting mechanism carried by said frame and operatively connected to said cutting apparatus, said lifting mechanism comprising a lifting member pivoted on said frame, operative connections between said lifting member and said cutting apparatus, a lifting lever carried by said lifting member and having a plurality of upwardly extending portions and means for adjusting said cutting apparatus by manipulating any of said portions.

1,480,116. TRANSFERRING AND WEIGHING TOWER. CLAUDE CARTER REASONER, Habana, Cuba. Filed Mar. 13, 1922. Serial No. 543,362. 12 Claims. (Cl. 212—2.)



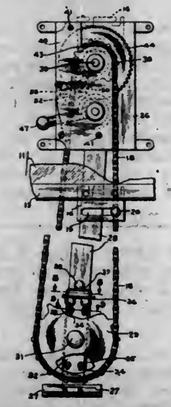
1. In a load transfer system, a line forming a bight intermediate its end, one end portion being supported for hoisting a load and the other end portion being supported for movement in a direction transversely of the hoist portion, a sheave mounted in the bight, means for exerting a pull on the sheave, means for limiting the upward movement of the hoist portion, means for releasably anchoring the transverse end portion and a loose connection between the two end portions allowing free movement of the hoist portion in vertical direction but causing lateral movement thereof when the transverse end portion is moved.

1,480,117. METHOD OF COMPRESSING GAS AND APPARATUS THEREFOR. EDWARD A. RIX, San Francisco, Calif. Filed July 13, 1922. Serial No. 574,622. 8 Claims. (Cl. 230—32.)



2. In a compressing unit of the character described the combination with the inlet ports of the low pressure cylinder, of means connecting said inlet ports with a source of gas supply delivering gas under varying pressures, and means cooperating with said delivering means for controlling the volume of gas delivered to the low pressure cylinder during each suction stroke.

1,480,118. WINDOW-OPERATING DEVICE. WILLIAM N. RUSSELL, New Haven, Conn. Filed Sept. 23, 1921. Serial No. 502,717. 8 Claims. (Cl. 268—4.)

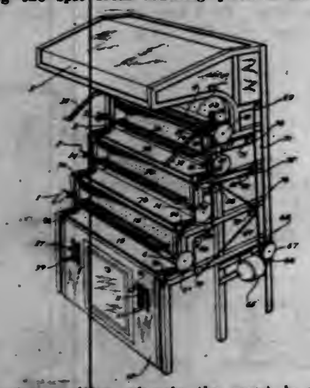


1. A window raising and lowering device including a rotating shaft, a split ring embracing said shaft and being adapted to frictionally engage the same, said ring having its ends free to be drawn together to bring about such engagement, and means for drawing said ends together upon the rotation of said shaft.

1,480,119. ROTISSERIE. MAX SCHEY, Brooklyn, N. Y. Filed Oct. 28, 1920. Serial No. 420,190. 21 Claims. (Cl. 126—41.)

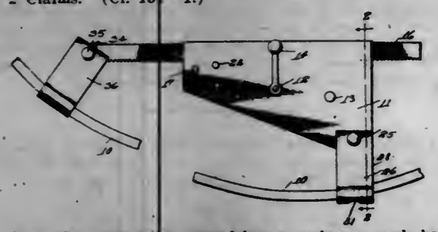
1. A rotisserie embodying a spit adapted to support a roast, a receptacle adapted to contain grease posi-

tioned below the spit, and means for bodily lowering and raising the spit from roasting position before the



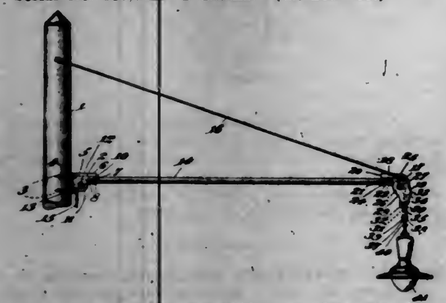
fire to basting position wherein the roast is partially submerged in the grease in said receptacle, and lifted therefrom.

1,480,120. RIM CONTRACTOR. HOWARD SCHOLL, Millerstown, Pa. Filed Jan. 5, 1923. Serial No. 610,789. 2 Claims. (Cl. 157—1.)



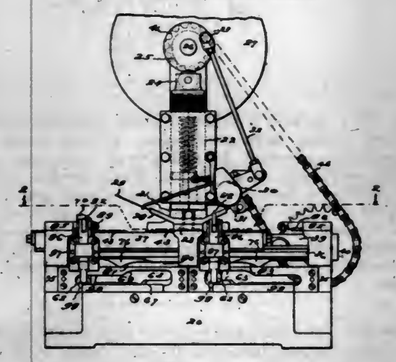
1. A rim contractor comprising a casing, a rack bar slidable in the casing, a gear in the casing engaged with the rack bar, means for rotating the gear to move the rack bar in one direction, a pawl engaged with the rack bar to prevent movement thereof in the other direction, a support on one end of the rack bar, a shaft in the support, rim end engaging clips on the shaft, a shaft in the end of the casing remote from the first shaft, and rim end engaging clips on the second shaft, each of said clips having elongated openings loosely receiving the shaft.

1,480,121. MAST ARM. HOWARD A. SELAH, Johnstown, Pa., assignor to Erie Electrical Equipment Company, a Corporation of Pennsylvania. Filed Apr. 22, 1921. Serial No. 463,732. 2 Claims. (Cl. 240—63.)



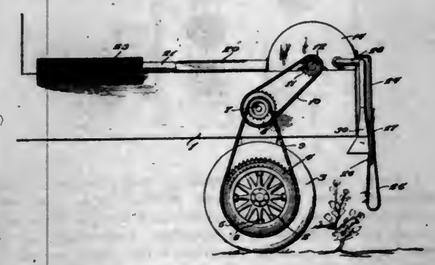
1. An outer bracket immovably secured to a mast arm by a two-part clamp-support having a hook and a cooperating projection at one end and a pair of opposed bolted lugs at the other end, one part of said clamp-support having a pair of side members with their lower portions inclined to deflect an entering lamp hanger, a horizontal transverse flange near the lower end and an inclined flange above the same on the inner side of each of said side members, all of said flanges being spaced apart a predetermined distance, in combination with a lamp hanger provided with a body portion having an enlarged annular flange at or near its upper end, the predetermined distance aforesaid being slightly greater than the diameter of the body of the hanger but less than the diameter of the annular flange thereof.

1,480,122. MACHINE FOR FORMING SHEET-METAL LOOPS. JOHN R. SEXTON, Hartford, Conn., assignor to The Sexton Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 27, 1922. Serial No. 590,963. 35 Claims. (Cl. 153—2.)



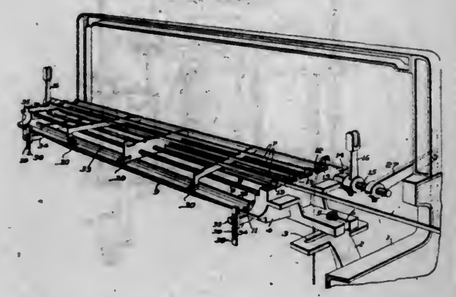
1. A machine for forming sheet metal loops having stock feeding and punching mechanisms, a nest for receiving the punched blanks, mechanism for reciprocating the nest toward and from the punching mechanism, a mandrel for bending the blanks into the nest, means engaged by the edges of the blanks as the nest is reciprocated for folding the edges of the blanks about the mandrel, and means for ejecting the folded blanks from the mandrel.

1,480,123. BOLL-WEEVIL DESTROYER. JOHN A. STEPHENSON, Blanchard, Okla. Filed Mar. 14, 1923. Serial No. 625,040. 2 Claims. (Cl. 43—140.)



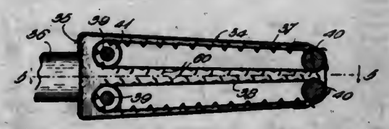
1. A mechanism for the purpose set forth comprising a drum adapted to be secured upon a vehicle body, a fan within the drum, means for driving the fan from the wheels of the vehicle, a plate secured to the rear side of the drum above the inlet thereof and depending from the drum in spaced relation to said inlet, a receptacle disposed in front of the drum and connected with the outlet of the drum, and a beater carried by the said plate.

1,480,124. WARP STOP MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Original application filed Dec. 29, 1921, Serial No. 525,705. Divided and this application filed Nov. 10, 1922. Serial No. 599,973. 9 Claims. (Cl. 28—41.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires, drop wire guides for guiding the drop wires of a row, supports at each side of the loom forming a permanent part of the stop mechanism and unobstructed for the endwise introduction of the drop wire guides, and a drop wire aligning device for aligning the drop wires of a row between the supports in the position relative thereto that they occupy during weaving that the drop wire guides may be introduced endwise into its supports and also in guiding relation to the aligned drop wires.

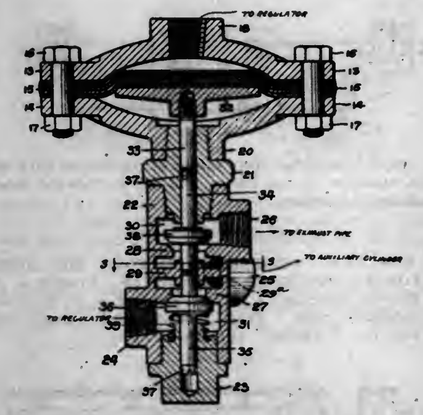
1,480,125. COTTON PICKER. WALTER A. STONE, Memphis, Tenn. Filed June 9, 1921. Serial No. 476,293. 2 Claims. (Cl. 56—38.)



1. A cotton picker nozzle including a housing open at its ends to provide an inlet and an outlet, slotted conveyor belts extending longitudinally in said housing from the inlet, inner and outer rollers for said conveyors, the inner rollers having annular grooves and the outer rollers being solid, and cotton engaging hooks pivotally connected with said belts and projected through said slots when in engagement with said outer rollers and passing through the grooves of the inner rollers when in a retracted inoperative position.

1,480,126. MASTER VALVE. JOSEPH M. SULLIVAN, Detroit, Mich. Filed Feb. 7, 1921. Serial No. 443,234. 2 Claims. (Cl. 137—139.)

1. A valve body having an inlet connection, a drain connection, an outlet connection, valve seat partitions between all of said body connections, a baffle between said partitions, valve rods slidable in said valve body, valves on said rods adapted to seat against said parti-



tions, a diaphragm adapted to shift said valves in one direction, and means in said valve body adapted to shift said valves in an opposite direction.

1,480,127. OIL-WELL-PUMP PISTON. BURCHARD D. THOMPSON, Cyclone, Pa. Filed Nov. 20, 1922. Serial No. 602,004. 12 Claims. (Cl. 103—225.)

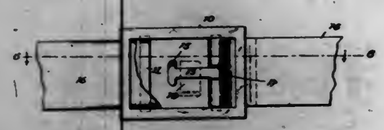


1. An apparatus for elevating oil in a well, comprising a piston within a working barrel, movably mounted packing elements and slidably mounted packing expanding means mounted on said piston, means for yieldingly placing the expanding means in an operative position actuated by the pressure exerted on the packing element by the oil being elevated, and means for retracting the movement of the expanding means by the release of the oil pressure.

1,480,128. BUCKLE. HARRY A. TIEMANN, Fort Collins, Colo. Filed June 7, 1923. Serial No. 644,017. 5 Claims. (Cl. 24—176.)

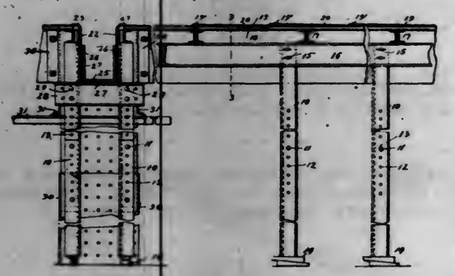
1. A buckle of the clamping type comprising in one piece an open rectangular frame, bowed longitudinally to produce a convex front face; and two cross bars

spaced from the end members of said frame and substantially parallel thereto, said members being offset



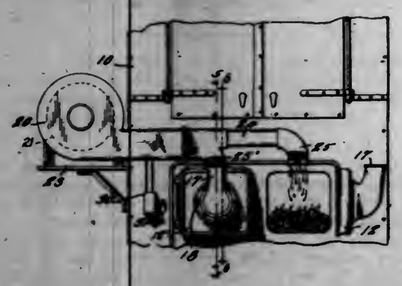
to the rear adjacent their points of connection with the side members of the frame, and bowed forward intermediate said offsets.

1,480,129. CENTERING OR FORM FOR REENFORCED CONCRETE STRUCTURES. CLAUDE A. P. TURNER, Minneapolis, Minn., assignor to T. Wegener, Columbus, Ohio. Filed June 1, 1920. Serial No. 385,571. 2 Claims. (Cl. 25—131.5.)



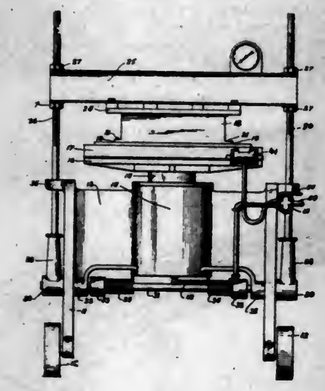
1. Centering for concrete comprising a floor having an under corrugated member and an upper flat plate member resting on the corrugations of the under member, such upper member being provided with water drainage holes.

1,480,130. APPARATUS FOR SMOKELESS COMBUSTION. NATHANIEL B. WALES, Boston, Mass., assignor to Wales Stoker Company, Hillsdale, Mich., a Corporation of Michigan. Filed Mar. 18, 1921. Serial No. 453,422. 3 Claims. (Cl. 110—55.)



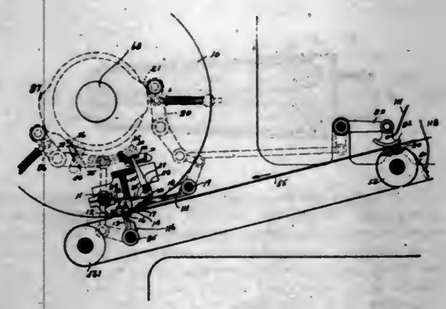
1. Apparatus for effecting smokeless combustion of a solid fuel in a combustion chamber provided with the usual fire door, comprising a motor-actuated blower, a manifold connected thereto and terminating in an air nozzle positioned above the fire door and directed inwardly toward the opening thereof, an air hopper fastened to said fire door and registering with said nozzle when the door is closed, said hopper protruding through said door and terminating in a second nozzle.

1,480,131. SQUEEZE MACHINE. TOWNER K. WEBSTER, Jr., Winnetka, Ill., assignor to Frank D. Chase, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 26, 1921. Serial No. 472,791. 12 Claims. (Cl. 22—30.)



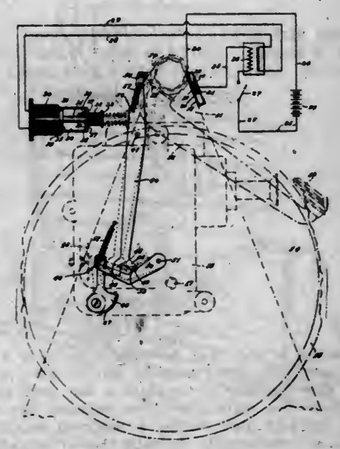
1. In a machine for forming sand molds, the combination of squeezing mechanism for compressing the sand in the mold a support with respect to which a part of the mold is transversely movable, and means for vibrating the sand during its compression by reciprocation of said movable mold part.

1,480,132. PRINTING PRESS AND METHOD OF OPERATING THE SAME. JOSEPH WHITE, Middlesex, and WILLIAM ECKHARD, Plainfield, N. J., assignors to Hall Printing Press Company, Dunellen, N. J., a Corporation of New Jersey. Filed Jan. 9, 1920, Serial No. 350,339. Renewed Mar. 21, 1923. 43 Claims. (Cl. 271—47.)



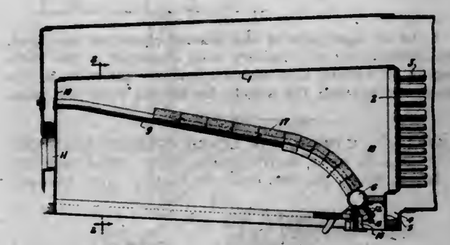
5. The method of operating a printing press having an automatic sheet feeder which consists in presenting a sheet to the press, determining its relation to the press gage, giving a signal when the sheet is nearer than a predetermined large distance from the gage and farther than a predetermined small distance from the gage and separating the printing couple and stopping the automatic feeder when the sheet is farther than the large distance from the gage.

1,480,133. CONTROL MECHANISM. RAY B. WHITMAN, Bridgeport, Conn. Filed Dec. 12, 1921. Serial No. 521,804. 30 Claims. (Cl. 192—118.)



1. In a sound-producing means, a mechanism, sound-sensitive means, and stopping means for the mechanism adapted to be rendered inoperative by the sound-sensitive means during the production of sound, and adapted to be made operative through the cessation of sound.

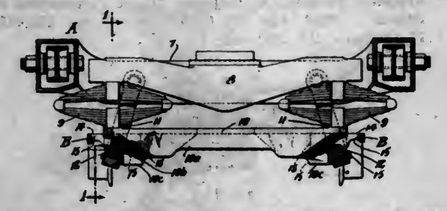
1,480,134. FIRE-BOX CONSTRUCTION. ALFRED H. WILLETT, West New York, N. J., assignor to American Arch Company, a Corporation of Delaware. Filed Sept. 2, 1919. Serial No. 321,273. 3 Claims. (Cl. 122—68.)



1. In a shallow throated locomotive fire box, the combination of a circulation header located to the rear of the throat, a fire grate extending rearwardly from the header, an arch supporting circulation tube communicating with the header and extending rearwardly from said header above said grate, and a plugged clean-out opening in the header opposite the end of said tube accessible from the exterior of the fire box between the forward end of the grate and the throat.

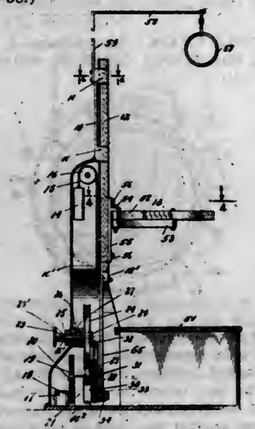
1,480,135. CAR TRUCK. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Jan. 7, 1922. Serial No. 527,555. 12 Claims. (Cl. 105—190.)

1. In a car truck, the combination of a frame, a lateral motion bolster, swing hangers by which said bolster is suspended from the frame, and adjusting blocks between the swing hangers and the bolster, each of said



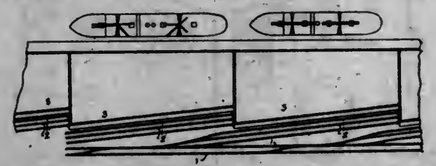
blocks being provided with a plurality of stepped seats and the blocks being adjustable by movement toward and away from each other longitudinally of the bolster.

1,480,136. MASSAGE APPARATUS. PAUL WÜRTZ, New York, N. Y., and ALOIS STEINER, Hoboken, N. J. Filed May 3, 1922. Serial No. 558,049. 10 Claims. (Cl. 128—58.)



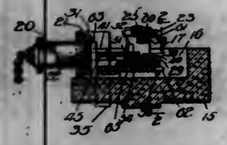
1. A message apparatus comprising a reciprocating member and an expansible belt carried by said member and composed of individual members formed with sockets, massage balls rotatively supported in and projecting from said sockets, resilient means connecting said members together and means for detachably joining the end members of said belt in the form of a ring.

1,480,137. LOADING PLATFORM AND WHARF ARRANGEMENT. BENJAMIN C. ALLIN, Houston, Tex. Filed July 17, 1923. Serial No. 652,198. 12 Claims. (Cl. 104—29.)



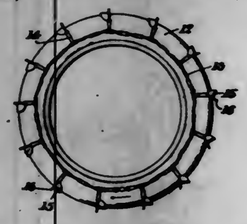
2. In combination, a main line track, a plurality of platforms in end to end relation, and substantially parallel with said main line, a plurality of switch tracks, diverging at an angle from the main line, separate switch tracks ranging alongside the respective platforms, the edges of said platforms adjacent the respective switch tracks being substantially parallel with the corresponding switch tracks, and diagonal with respect to the main line.

1,480,138. ELECTRIC SWITCH. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1918. Serial No. 226,419. 17 Claims. (Cl. 200—68.)



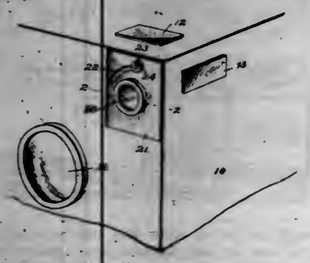
1. An electric switch comprising, in combination with suitable circuit closing members, a frame therefor, an actuating device mounted in the frame for universal swinging movement and for axial movement, said actuating device being provided with an extended seat face, and a switch controlling member having an extended seat adapted for coaction with the seat of the actuating device.

1,480,139. TIRE CHAIN. GUY ANDERSON, Haynesville, Me. Filed Mar. 5, 1923. Serial No. 622,818. 1 Claim. (Cl. 152—14.)



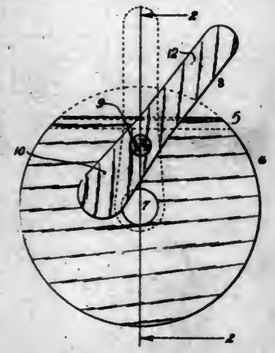
A non-skid or driving chain for vehicle wheels comprising annular side members and a series of transverse, pivotally mounted traction members fitting against the tread of a tire and connected with the said side members, each of said traction members comprising a part adapted to rest against the tread of the tire and provided with a flange adapted to sink into a soft roadway surface, said part and flange being at right angles to each other, or approximately so, and being joined by a rounded corner part adjacent the tread of the tire.

1,480,140. SINGLE-APERTURE, SINGLE-MIRROR VIEW FINDER. WALTER R. ANDERSON, Chicago, Ill. Filed Dec. 3, 1920. Serial No. 428,008. 3 Claims. (Cl. 88—1.5.)



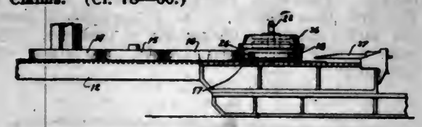
1. In a view finder for photographic cameras, a reflector holder consisting of a cylindrical body cut away centrally of one end to provide a reflector-supporting surface inclined at an angle of forty-five degrees to the cylindrical axis of the body, and plano-convex extensions at opposite sides of said inclined surface.

1,480,141. WATER DISTRIBUTING AND REGULATING DEVICE. JOSEPH ARTESE, Wheat Ridge, Colo. Filed June 16, 1921. Serial No. 477,946. 1 Claim. (Cl. 61—29.)



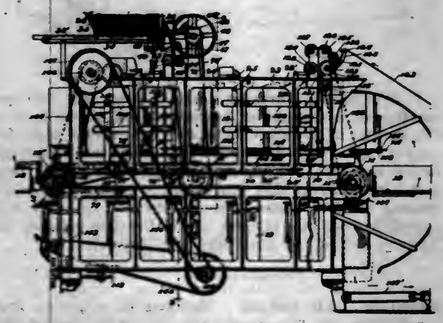
A device of the class described comprising a circular plate having an upper segment bent to form a suitable angle with the body of the plate, a flat cutoff device fulcrumed on the plate below and adjacent the said segment, the said plate having a relatively small opening positioned substantially centrally thereof and adapted to be controlled by the said cutoff, the latter having a part extending above the bent segment of the plate to facilitate manipulation.

1,480,142. APPARATUS FOR REMOVING ARTICLES FROM FORGING DIES OR THE LIKE. FRANK B. BELL, Pittsburgh, Pa., assignor to Edgewater Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 11, 1920. Serial No. 388,123. 14 Claims. (Cl. 78—60.)



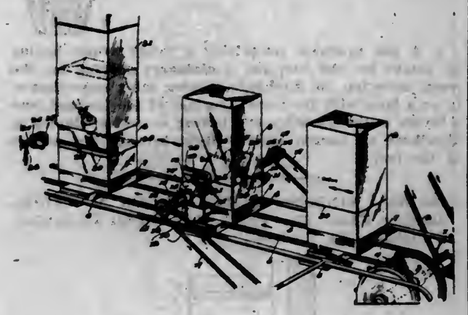
1. In an apparatus of the general character described, the combination of a unitary mold employed in the forming of an article, and means insertable laterally in the mold and beneath the article for freeing it of the mold.

1,480,143. CARTON AND LINER FORMING MACHINE. GEORGE H. BENT, Battle Creek, Mich. Filed Sept. 26, 1921. Serial No. 503,194. 65 Claims. (Cl. 93—44.)



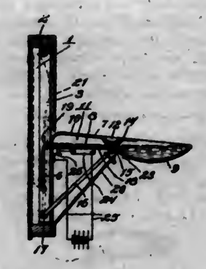
1. In combination, a movable conveyor, a continously moving form carried thereby and about which a paper blank is adapted to be wrapped, yielding guide rails between which said form passes and which act to force the blank into engagement with the sides of the form and hold it in said relation, and means positioned on either side of said conveyor and operating transversely of said rails and closing the paper blank against the rear face of said form.

1,480,144. METHOD AND APPARATUS FOR ASSOCIATING LINERS WITH CARTONS. GEORGE H. BENT, Battle Creek, Mich. Filed Jan. 23, 1923. Serial No. 614,423. 8 Claims. (Cl. 93—55.)



1. In a device of the character described, the combination of a former on which liners and cartons are placed one over the other, and means for applying a strip of adhesive to the liner on each side of the same adjacent the line where the carton flaps are bent with respect to the carton proper.

1,480,145. PORTABLE WASHBOWL. SIGURD O. BERVEN, Seattle, Wash. Filed May 12, 1923. Serial No. 638,676. 2 Claims. (Cl. 45—38.)



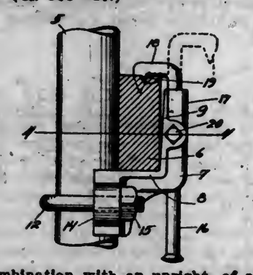
1. A portable wash bowl, comprising an elongated hollow container having a forward projecting portion depressed to form a bowl, the bottom of the bowl being on a plane below the bottom of the container, and means for mounting the container for swinging movement to permit the water from the bowl to flow into the container or the water from the container to flow freely into the bowl.

1,480,146. PROCESS OF AND APPARATUS FOR BURNING GAS. GRANT D. BRADSHAW, Pittsburgh, Pa. Filed Dec. 4, 1919. Serial No. 342,414. 6 Claims. (Cl. 158—99.)

1. A gas burner comprising a gas inlet passage, an air inlet passage adjacent thereto, each of said passages being controlled by a valve, said valves being connected together and automatically regulated by the gas pressure, whereby substantially unform gas pressure is maintained at the gas inlet.

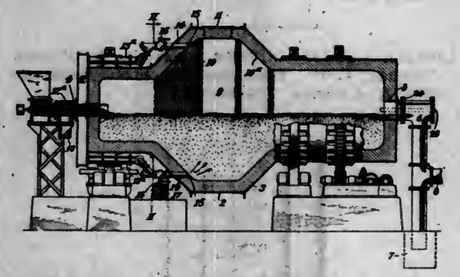


1,480,147. STRINGER CLAMP. FOKKO BRANDT, Kansas City, Kans., assignor to The Brandt & Krell Engineering Company, Kansas City, Kans., a Corporation of Kansas. Filed June 28, 1920. Serial No. 392,384. 3 Claims. (Cl. 304—40.)



1. The combination with an upright, of a stringer, an angular bracket carried by said upright and supporting said stringer, and a vertically adjustable anchoring rod carried by said bracket and formed with an arm adapted to be clamped down upon the upper edge of said stringer.

1,480,148. GAS PRODUCER. ERNEST L. BROOME, Tarrytown, N. Y., assignor to General Reduction, Gas and By-Products Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 14, 1917, Serial No. 161,972. Renewed June 29, 1923. 3 Claims. (Cl. 48—85.1.)



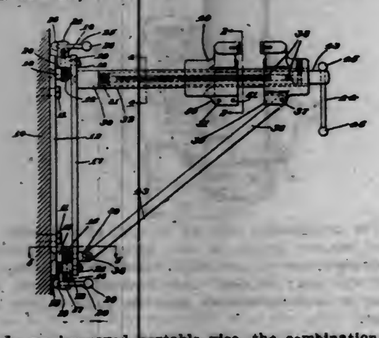
1. In apparatus for gasifying materials, a rotary vessel having an intake and an offtake for the material and having a plurality of compartments arranged around its periphery in blocks made of fire resisting material, said compartments being connected with a source of supply for an oxygen bearing agent and having also openings therefrom to admit the oxygen bearing agent into the vessel, and automatic means for cutting off and admitting the oxygen bearing agent into each of said compartments with each revolution of the vessel.

1,480,149. AUTOMOBILE PEDAL LOCK. CHARLES W. CARPENTER, Lawrenceville, Pa. Filed Mar. 23, 1922. Serial No. 546,026. 3 Claims. (Cl. 70—128.)



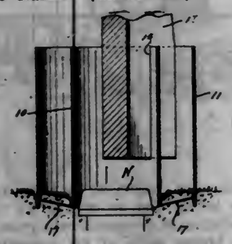
1. A pedal lock comprising a pivoted arm, a padlock connected with the outer end of the arm, the shackle of the padlock being designed to encircle the shank of the pedal, and a spring tension retainer connected with the outer end of the arm for engagement with the lock-shackle to prevent undue movement of the lock relative to said arm.

1,480,150. PORTABLE VISE. WILFRED A. COLLINS, Winthrop, and WILFRED E. TAIT, Wollaston, Mass., assignors of one-third to Clement Booth, Worcester, Mass. Filed Aug. 24, 1922. Serial No. 584,158. 2 Claims. (Cl. 81—41.)



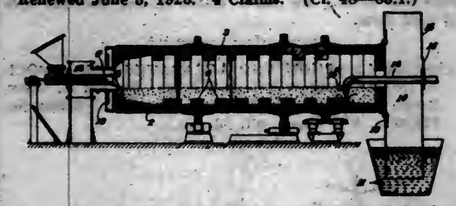
1. In an improved portable vise, the combination of a plate, means for securing said plate in position, a frame, connections thereon, pivotal connections at each end of said plate cooperating with the connections on the frame, a projecting arm attached to one end of said frame, a vise having a portion thereof formed integral with said arm, and means for supporting the outer end of said vise extending between the vise and the lower end of the frame.

1,480,151. GRASS CUTTER. NATHAN G. COSMAN, Coronado, Calif. Filed Apr. 16, 1923. Serial No. 632,477. 3 Claims. (Cl. 55—18.)



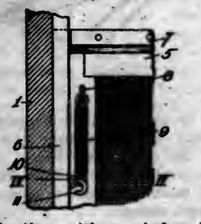
1. In a device of the type described, concentric cylinders having their lower ends arranged in approximately the same plane, a handle connecting the upper ends of the cylinders and maintaining the same in concentric relation and radially directed blades connecting the lower ends of the cylinders.

1,480,152. GAS PRODUCER. ABRAHAM B. COX, Cherry Valley, N. Y., assignor to General Reduction, Gas & By-Products Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 14, 1917. Serial No. 162,041. Renewed June 5, 1923. 4 Claims. (Cl. 48—85.1.)



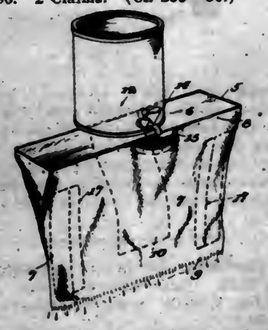
4. A gas producer comprising a rotary vessel having an intake for the fuel and a discharge opening for the waste material, the discharge opening being approximately on a level with the normal surface of the fuel bed, and a tuyère at the discharge end having an orifice adapted to distribute an oxygen bearing agent beneath the surface of the fuel.

1,480,153. WINDOW SCREEN. JUDSON M. CRAMER, Gardner, Kans. Filed Feb. 6, 1922. Serial No. 534,383. 3 Claims. (Cl. 156—14.)



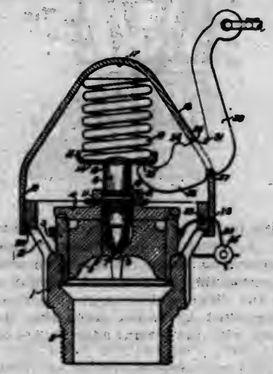
2. The combination with a window having an upper and lower sash and downwardly opening hooks disposed within and at the sides of the casing below the plane of the upper rail of the sash to be screened, of a screen provided with a pair of eyes, and coil springs connected to said eyes and to said hooks; and extending vertically upward in stretched condition to hold the screen in operative position, and downwardly and outwardly from said hooks to said eyes, in relaxed condition to suspend the screen in inoperative position; the springs where engaged with said hooks, having end-loops which converge outwardly or diverge outwardly accordingly as the screen is in operative or inoperative position.

1,480,154. POISON DISTRIBUTOR. PHILLIPS EUGENE CRUTCHFIELD, Conyers, Ga., assignor of one-third to Chas. E. Reagan and one-third to Reuben L. Blackwell, both of Conyers, Ga. Filed Sept. 27, 1921. Serial No. 503,686. 2 Claims. (Cl. 299—30.)



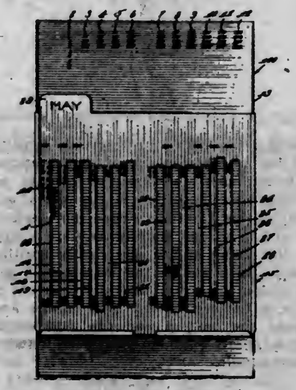
1. A poison distributor comprising a top board, a fabric body secured to the top board and constituting an open-ended receiver and distributor adapted for the reception of a poison liquid, a poison container mounted on said board, and a distributing tongue extending through said receiver and distributor.

1,480,155. VALVE-LIFTING DEVICE. PHILIP G. DARLING, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Apr. 14, 1922. Serial No. 552,475. 9 Claims. (Cl. 137—53.)



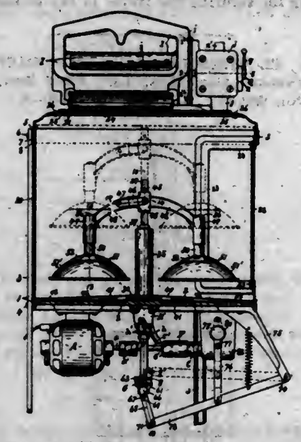
1. In combination with a valve casing having an elongated slot therein, a valve controlling lever comprising a lifting arm and an actuating arm, the lever having a pivoting notch adjacent to the junction of said arms, the width of the actuating arm adjacent to the notch being slightly less than the length of the slot, and the width of the lifting arm adjacent to the notch being greater than the length of the slot.

1,480,156. TIME CALCULATOR. JOHN T. DENNIS, Jr., Elberton, Ga. Filed July 13, 1922. Serial No. 574,715. 2 Claims. (Cl. 235—89.)



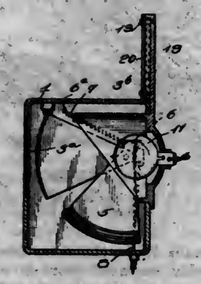
1. A device of the class described comprising two substantially rectangular cards one slidable longitudinally on the other, one containing especially arranged columns of figures and the other having slots to overlie said columns and provided along the edges of said slots with cooperating columns of dates, whereby said dates and figures cooperate to furnish the correct time between two dates on the date card when one card is moved on the other a predetermined distance, said slidable card being for the month that the time is to be computed from.

1,480,157. CLOTHES-WASHING MACHINE. JOHN NICHOLAS DRESCHUG, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed Jan. 31, 1920. Serial No. 355,515. 15 Claims. (Cl. 68—19.)



12. In a washing machine of the character described, the combination of a main supporting frame having a substantially horizontal platform, a vat having its bottom resting upon the platform, a post resting upon the bottom of the vat and rising therefrom, said post having a reduced lower end projecting through registering apertures in the bottom of the vat and platform, a nut engaged with the lower reduced end of the post and underside of the platform, a plunger extending through the post, a perforated plate around the post and covering the major portion of the bottom of the vat in spaced relation thereto, a sleeve surrounding the post and rotatable relative thereto, a yoke carried by the plunger, dashers mounted on the yoke and having the concave lower sides facing the perforated plate, and means for reciprocating the plunger.

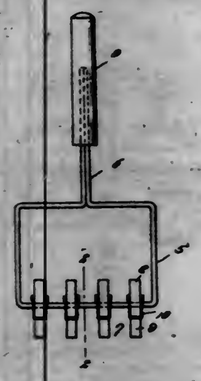
1,480,158. SIGNAL FOR VEHICLES. ARTHUR B. ELLIS, Seattle, Wash., assignor to The Reliable Signal Co., a Corporation of Washington. Filed Feb. 24, 1923. Serial No. 621,039. 1 Claim. (Cl. 116—45.)



A signal device for vehicles, comprising a housing formed with front and rear openings, a plurality of nested balls mounted in the housing, the transverse portion of each ball being cut out to indicate a signal, trunnions extending from the sides of the housing to support the balls, lugs extending from each ball, springs connected to the rear portion of the lugs and secured at their front ends to the housing, flexible means connected to the forward ends of the lugs for operating the balls, a bumper at the top of the housing against which the balls contact

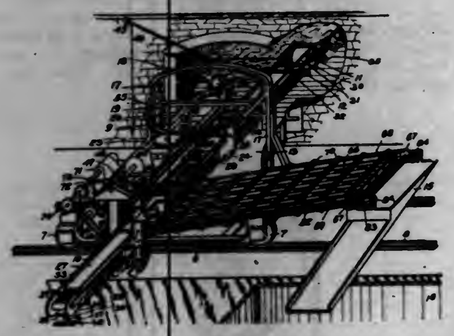
when thrown up into signal position, a frame supported in the forward opening in the housing, said frame having depressions and sockets for lamps to illuminate the interior of the housing, the frame having an extension projecting above the housing to form a license support, and means for securing the frame to the housing.

1,480,159. CLOTHES-HANDLING IMPLEMENT. MARY R. FENNELLY, Alexandria, La. Filed Sept. 1, 1923. Serial No. 660,531. 1 Claim. (Cl. 68—6.)



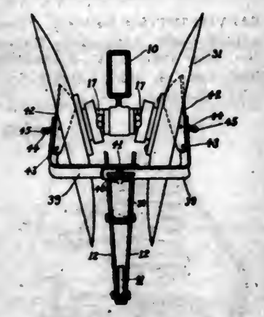
A clothes handling implement of the class described comprising an open substantially rectangular frame composed of substantially rigid top, bottom and side members, a handle rigid with the top member of the frame, and a plurality of resilient clothes pins suspended upon the bottom frame member.

1,480,160. COKE-OVEN-CLEARING MECHANISM. DAVID FERGUSON, Pittsburgh, Pa. Filed Apr. 17, 1920. Serial No. 374,537. 10 Claims. (Cl. 214—21.)



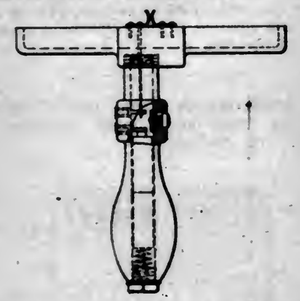
1. In an apparatus of the character described, a frame, a carriage pivotally mounted thereon, a ram movably mounted on the carriage, a breaker mounted on the ram, material conveying devices mounted on the ram and movable longitudinally thereof, toward and away from said breaker, a power shaft journalled on said carriage, separated gear-trains for moving said ram, for actuating said breaker, and for swinging said carriage, and a separate clutch mechanism for operatively coupling each gear-train to said power shaft, propelling wheels on said frame, a conveyer on said frame for receiving material from said devices, and means for actuating said wheels and said conveyer.

1,480,161. DISK AND SCRAPER MOUNTING. RALPH L. FORD, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed May 7, 1920. Serial No. 379,594. 10 Claims. (Cl. 97—228.)



1. In a disk furrow-opener, the combination of a support, a pair of oppositely disposed stub-axles, disks on the axles, connecting means between each stub axle and the support permitting vertical and angular adjustment of the axles and disks, and scrapers in contact with the disks and supported by means permitting their adjustment in accord with the several adjustments of the disks.

1,480,162. DEVICE FOR IGNITING FLASH-LIGHT POWDER. BENNETT GROTTA, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 7, 1922. Serial No. 541,878. 3 Claims. (Cl. 67—3.)

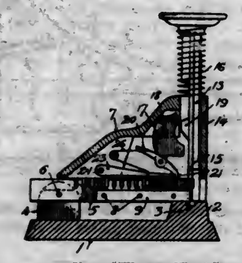


1. In combination with an electrically ignitible matchhead including a non-conducting shank, strips of conducting material upon the opposite faces of said shank and a match-head composition at the end of said shank, a hollow supporting handle, an open top powder pan supported therefrom, spaced metallic contact strips adapted to receive the shank of the electrically ignitible matchheads between them and to frictionally hold said matchheads in position to project laterally over the top of the powder pan, a battery within said handle and connections between the battery and the said contact strips including a manually operable push button switch mounted upon said handle.

1,480,163. STAPLING MACHINE. SIDNEY H. HART, Brooklyn, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Jan. 17, 1920. Serial No. 352,021. 4 Claims. (Cl. 1—23.)

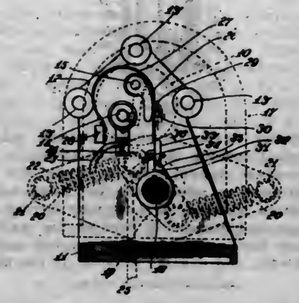
1. A stapling machine in which individual staples are cut from a strip, comprising a cutter bar and a movable member cooperating therewith to sever the staples from a strip, means for advancing a staple strip over

said cutter bar to project the endmost staple of said strip beyond said cutter bar to be severed and a projection at the cutting end of the cutter bar interposed in the path of the prongs of the staples and over which projection said prongs are adapted to rise, said pro-



jection forming an abutment for engaging the rear edge of the prongs of the staple which projects beyond the cutting bar and adapted to rigidly resist rearward movement of said prongs while the endmost staple is being severed.

1,480,164. IGNITION EQUIPMENT. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,981. 9 Claims. (Cl. 123—149.)

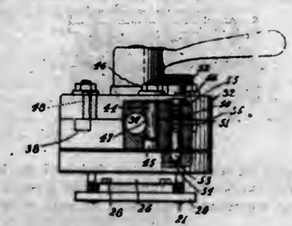


1. An ignition equipment comprising an igniter plug, stationary and rocking electrodes carried by said plug, contacts carried by said electrodes, an arm carried by the outer end of the rocking electrode, a leaf spring having one end fixed with respect to the igniter plug and being attached near its other end to said arm, said spring normally holding the contacts separated, and means adapted to engage said leaf spring to close the contacts against the action of said leaf spring and then to disengage said spring to permit same to open the contacts.

1,480,165. UNIVERSAL TOOL TURRET. JOHN L. JENKINS, Port Chester, N. Y. Filed Sept. 30, 1920. Serial No. 413,837. 13 Claims. (Cl. 29—49.)

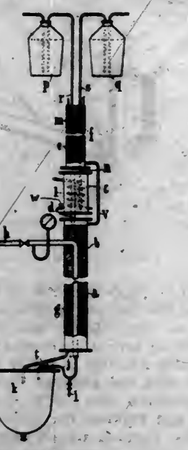
1. In a universal tool turret, the combination, with a lathe slide, of a circular base threaded on its periphery; a turret rotatable horizontally on said base provided with tool carriers; an interiorly threaded ring engaging said base for raising or lowering the base and turret for alinement of said tool-carriers with the axis of the lathe live spindle; and means for removably attaching said base to the slide.

10. In a universal turret tool having a supporting base, the combination, with a lathe slide provided with an attachment slot of inverted T-shape, of the supporting base of the turret tool; a turret on said base provided with tool carriers; and means for clamping said base to the slide slot; said means comprising clamping members carried by said base engageable with the transverse portion of the slide slot, and co-operating members carried by said base engageable with the side walls of the stem



of the slide slot; one of said members being fixedly positionable on the base, and the other of said members being movable on the base and adjustable by slot and pin means for regulating the space between said members for spacing them apart for engagement with the side walls of the stem of the slide slot.

1,480,166. MANUFACTURE OF HYDRAZINE. REGINALD ARTHUR JOYNER, Stevenston, Scotland, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 18, 1923. Serial No. 613,481. 4 Claims. (Cl. 23—31.)



1. In the process for producing hydrazine by the reaction between ammonia and a hypochlorite in the presence of a catalyst, the steps of initiating the reaction without material excess of ammonia, and then passing the reacting substances into a body of concentrated excess ammonia, thus to provide, without material excess of ammonia in the initial reaction, for the reaction between the chloramine and ammonia in a high local concentration of ammonia.

1,480,167. SHINGLE-LOCK-APPLYING MACHINE. BERNIE CHARLES KRIDLER and JAMES C. BOYLD, Flint, Mich., assignors to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Sept. 18, 1922. Serial No. 589,035. 5 Claims. (Cl. 1—4.)

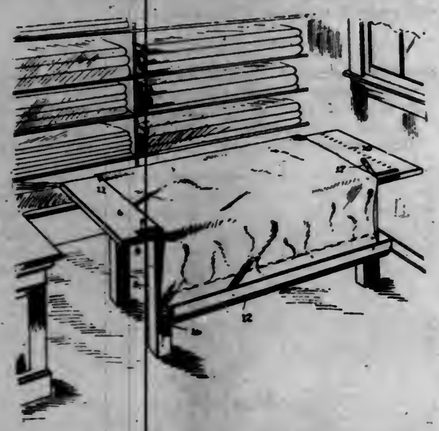
4. A machine as characterized comprising a base board for supporting shingles; a reciprocating frame disposed above said board; a series of lock supporting heads mounted on said frame, said heads being each provided with engaging recesses for holding wedges on the locks

being handled by said machine; a plurality of resilient strippers adapted for holding said shingles on said base board after said locks have been secured to said shingles;



and a plurality of anvil members disposed in line with said heads for overturning the clip ends formed on said locks and for receiving the impact of said strippers.

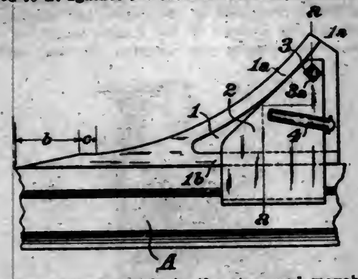
1,480,168. TABLE. WALTER SCOVILLE LAMBERT, Geneseo, Ill. Filed Feb. 6, 1922. Serial No. 534,485. 1 Claim. (Cl. 45—91.)



In a table, a supported top, a rack supported below the plane of the top and substantially in vertical alinement with one edge thereof, said rack being adapted to receive a roll or belt of oil cloth or like fabric, said top having a guide slot for a cutter blade therein extending parallel with and adjacent to said one edge thereof, a cleat secured on the top in spaced parallel relation to the slot and between the latter and the edge of the table opposite the first named edge, said top being provided with a scale thereon comprising a series of graduations extending at right angles to said slot and said cleat from one end of the former to the corresponding end of the latter, said graduations having values based on a unit of linear measurement, and a second rack positioned below the plane of the top and beneath the second named edge of the top, said second named rack being adapted to receive rods upon which the end portion of a length of material drawn across the top from the first named edge may be wound.

1,480,169. SAFETY CRANE STOP. W BRITTON LANE, Dunkirk, N. Y. Filed Sept. 18, 1923. Serial No. 663,327. 3 Claims. (Cl. 104—258.)

2. The combination, with a crane track rail, of a stop, fitting freely thereon and having an upper bearing surface in the form of a plane upwardly inclined from one end of the base of the stop, an adjoining portion parallel with the base, and a succeeding portion, curved to present a bearing for the periphery of a crane wheel; clamping plates, pivoted transversely on the stop, and adapted to fit against the sides of the rail; and a coupling



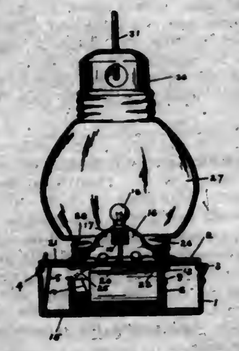
yoke, pivoted transversely in the stop, and movable into position to hold the clamping plates in contact with the rail.

1,480,170. SAFETY CONTROL DEVICE. HENRY H. LOGAN, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,602. 4 Claims. (Cl. 188—97.)



1. A cylinder having a piston therein, said piston having a small opening therein and having a plurality of larger openings therein, a spring pressed disc disposed on the underside of said piston and being adapted to close the larger openings, said cylinder having a groove in the upper end thereof, a bore in the wall of said cylinder and communicating with the top and bottom of said cylinder, and a valve disposed in the bore.

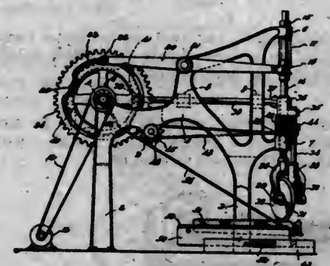
1,480,171. LANTERN. EDWARD J. MCDADE, Warsaw, N. Y., assignor to Embury Manufacturing Company, Warsaw, N. Y., a Corporation of New York. Filed Aug. 24, 1922. Serial No. 584,111. 3 Claims. (Cl. 240—8.5.)



1. In an electric lantern, the combination of a hollow base, a battery container formed in said base, said battery container comprising a frame having its walls formed by a strip of insulating material, partitions made

up of electrical connecting members mounted within said frame, a pair of contact members on the end of each of said partitions, one of said contact members being located in the end of one of the compartments formed by said partition and the other of said contact members being located in the opposite end of the other of said compartments formed by said partition, dry cells adapted to be yieldingly held in place in the compartments formed in said container, said partitions and said contact members connecting said dry cells in series with each other, an electric light bulb mounted on top of said base and connected in series with the dry cells in said base, a switch member mounted on said base and adapted to control the current from said battery of dry cells to light said electric light bulb.

1,480,172. SAW-SHARPENING MACHINE. CONSTANT MAJEWICZ, Detroit, Mich. Filed Aug. 7, 1922. Serial No. 580,004. 1 Claim. (Cl. 76—41.)



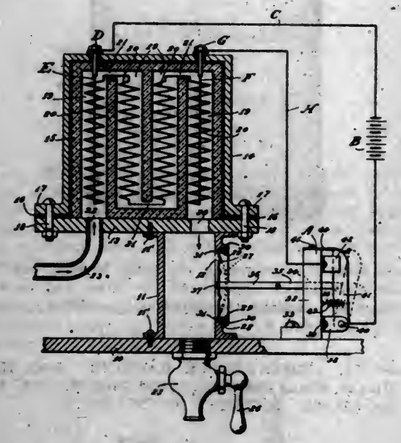
In a saw sharpening machine, a rotary sharpening instrumentality adapted to be raised and lowered relative to a saw blade and positioned at different angles relative thereto, a support for said sharpening instrumentality, a walking beam adapted to raise and lower said support, a rotary sharpening instrumentality on said support, a reciprocatory rod adapted to turn said support to place said sharpening instrumentality at different angles relative to a saw, and a gear wheel adapted to constantly rotate said sharpening instrumentality and actuate said rod and walking beam in timed relation, said gear wheel having its faces provided with cam grooves, one for causing actuation of said walking beam and the other causing actuation of said reciprocatory rod.

1,480,173. ANIMAL CATCHER. JASPER NEWTON MANSFIELD, Cub Run, Ky. Filed Apr. 11, 1923. Serial No. 631,396. 1 Claim. (Cl. 119—152.)



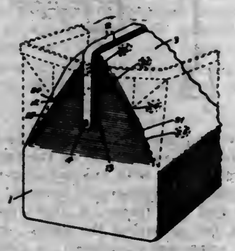
An animal catcher comprising a staff terminating with a crook at one end and with a looped handle at the other end, a resilient element rigidly secured at one end to the free shank of the crook, said element being coiled and having a transversely directed portion substantially closing the entry to said crook and terminating with a finger grip, a coiled loop being formed on said shank providing a guide for said transverse portion and normally abutting against said grip limiting the closing movement of said resilient element.

1,480,174. ELECTRIC WATER HEATER. FRANK E. MATTHEWS, Bridgeport, Conn., assignor to The Connecticut Tool & Engineering Company, Bridgeport, Conn. Filed Oct. 31, 1921. Serial No. 511,868. 9 Claims. (Cl. 219—38.)



1. An electric water heater comprising a body normally containing water under pressure, a diaphragm associated with said body and acted upon by said water, and means for heating said water, said means being arranged to become operative when the pressure in the body is relieved.

1,480,175. TRAVELING BAG. EDWARD G. MERWIN, San Francisco, Calif. Filed Jan. 19, 1922. Serial No. 530,417. 4 Claims. (Cl. 190—50.)

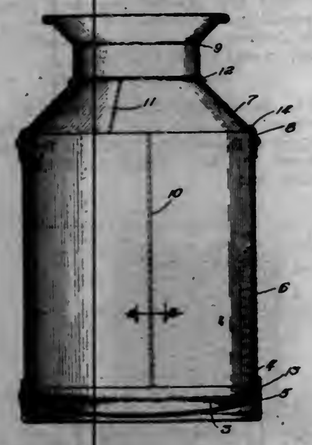


1. A hinge for a traveling bag having means associated therewith for forming two small folds in the adjacent bag material during the closing operation and for placing the two folds flat against the end of the bag.

1,480,176. CONTAINER. ARTHUR MILLER, Oak Park, Ill. Filed June 28, 1922. Serial No. 571,426. 12 Claims. (Cl. 220—66.)

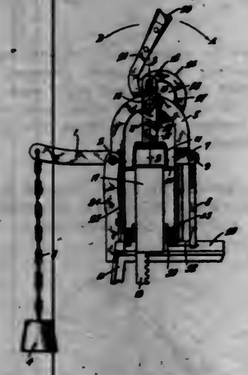
1. A container comprising a lower section presenting a bottom proper from which rises at the marginal edges

of the latter, a continuous flange portion, a side-wall-forming section superposing said lower section, and a



band member surrounding the joint between said sections and flatwise opposed by the latter and to which both of said sections are united as by welding.

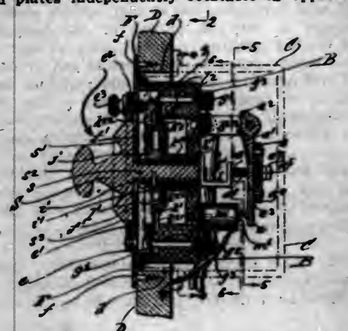
1,480,177. CEMENT-BLOCK MACHINE. JOHN HENRY MILLER, Rising Sun, Ohio. Filed June 13, 1922. Serial No. 568,022. 5 Claims. (Cl. 25—88.)



1. In a device of the class described, a frame; a lever fulcrumed intermediate its ends on the frame; a counterpoise weight assembled with one end of the lever; a latch forming a releasable connection between the other end of the lever and the frame; a shaft journaled in the lever; means for operating the shaft; an eccentric on the shaft; a compression member; a guide on the compression member and receiving the shaft slidably; a strap surrounding the eccentric; and means for mounting the strap pivotally on the compression member.

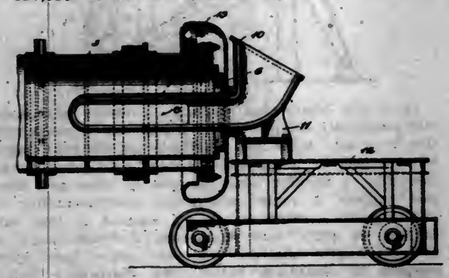
1,480,178. SAFETY APPLIANCE FOR AUTOMOBILES, ETC. LEONARD MORDANO, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,592. 17 Claims. (Cl. 200—45.)

1. In a safety appliance of the character designated, the combination of a permutation dial spindle, a shifter arm rigidly connected therewith, an insulating sleeve interposed between said spindle and said shifting arm, switch plates independently rotatable in opposite direc-



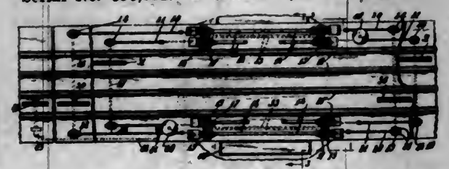
tions on said spindle and fixed contact plates forming the terminals of an electric circuit controlling motor sparking means, for the purpose described.

1,480,179. CASTING MACHINE. JOHN F. MORRISON, Glendale, N. Y. Filed Jan. 4, 1922. Serial No. 527,016. 3 Claims. (Cl. 22—65.)



1. A spout for use in centrifugal casting machines having a movable base, a hopper, a horizontal elongated portion connected with said hopper, said last mentioned portion having a horizontally disposed elongated opening out through which the molten metal is adapted to pass.

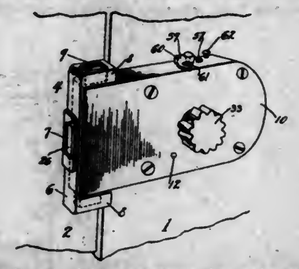
1,480,180. RAILROAD-CROSSING GATE. JOHAN MORTKA, Poughkeepsie, N. Y. Filed Aug. 9, 1923. Serial No. 656,531. 3 Claims. (Cl. 246—293.)



2. In a device of the class described, a vertically swingable gate bar, a shiftable weight therein, and means adapted for operation by a passing train to shift said weight and cause said gate to swing, said means including a rack element formed on said weight, a pinion engaging said rack element, and a part adapted for actuation by a train and operatively connected to said pinion.

1,480,181. LOCK. WILLIAM A. MUELLER, Washington, D. C. Filed July 24, 1920. Serial No. 398,621. 6 Claims. (Cl. 70—74.)

5. The combination of a keeper having end extensions and a lock adapted to overlap the door jamb and be overlapped by the extensions on the keeper, the said lock having a main bolt adapted to engage the keeper and two bolts at right angles to the main bolt to engage recessed seats in the said extensions of the keeper, the



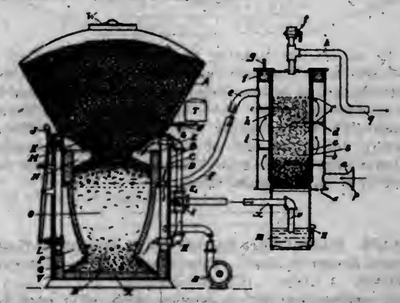
said two bolts at right angles to the main bolt being positively actuated in both directions by the movements of the said main bolt.

1,480,182. WEIGHTING DEVICE FOR SPINNING MACHINES AND THE LIKE. ISAAC C. NOBLE, New Bedford, Mass. Filed Apr. 4, 1922. Serial No. 549,417. 6 Claims. (Cl. 19—135.)



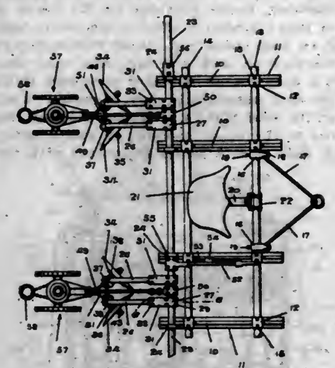
1. A weighting device for spinning machines and the like comprising a strip adapted to have a weighting member connected thereto, a plurality of pairs of rotatable bearing members on said strip, the individual members of the pairs being positioned on opposite sides of the strip, the bearing members being adapted to engage a spinning machine roll and to maintain said strip spaced from the roll.

1,480,183. GAS PRODUCER FOR USE WITH AUTOMOTIVE MECHANISMS. WILLIAM W. ODELL, Washington, D. C. Filed Dec. 7, 1921. Serial No. 520,580. 24 Claims. (Cl. 48—76.)



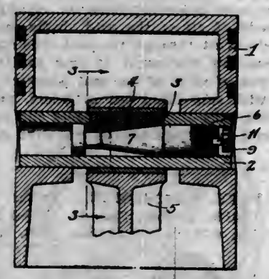
3. A gas producer adapted for use with automotive mechanisms, including a generator lining cushion suspended in the air used for gas making.

1,480,184. CULTIVATOR. GEORGE W. REUST, Goodwell, Okla. Filed July 29, 1922. Serial No. 578,273. 9 Claims. (Cl. 97—56.)



1. A cultivator comprising runners having vertical plates with runner flanges extending therefrom to run on the ground, said plates extending below said flanges to enter the ground and prevent transverse displacement of the runners, and soil working elements carried from said runners.

1,480,185. SELF-ADJUSTING BEARING. MICHAEL B. SETTER, Chicago, Ill. Filed Dec. 16, 1921. Serial No. 522,728. 5 Claims. (Cl. 74—108.)

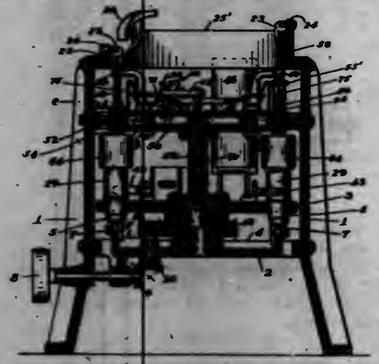


1. In means for automatically taking up wear in a bearing, a movable wearing member forming a part of the bearing, a pitman engaging said member, and a rotary element engaging said member and formed to gradually force said member outward against the pitman and thereby take up wear and prevent lost motion in the bearing.

1,480,186. COOKER. FRANK WENDELL SMITH, Portland, Me. Filed Jan. 6, 1922. Serial No. 527,424. 1 Claim. (Cl. 126—272.)

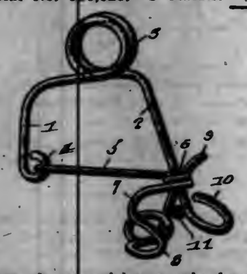
In a machine for cooking or sterilizing food products, consisting of a base member, a ring portion projecting upwardly from said base with a cammed surface on its upper face, a hollow upwardly extending trunnion located centrally of and integral with said base, a circular table centrally journalled over said trunnion, means for rotating said table, a plurality of holes extending through said table near its outer circumference and with their axes in vertical alignment with the said cammed surface plungers adapted to reciprocate in said holes, rolls attached to the bottom ends of said plungers and in contact with the said cammed surface, a second table placed above and at a spaced distance from, and rigidly connected to, said first mentioned table, a plurality of holes in said second table in alignment with the holes in said

first mentioned table, shafts extending through the holes in said second mentioned table, their lower ends protruding into a bracketed cylinder, the latter constituting an overflow chamber, means provided on the lower end of the wall of said cylinder to effect a temporary seal over the top of an open ended can placed thereunder, pinions slidably mounted on and rotating with said shafts, a ring, with a gear cut on its inner periphery rigidly secured to the said frames, said gear to encircle and mesh with all of the said pinions, a second cammed ring rigidly secured to the upper portions of said frames, rolls on the top ends of said shafts in contact with the cam



surface of the said second mentioned cammed ring, whereby a vertical movement may be given to said shafts, an electric resistance coil unit, housed in protecting shells and with one or more depending elements, rigidly secured to the lower ends of all of the said shafts, means for keeping a closed circuit through the said coils during the vertical and rotatable movement of said shafts, means on the upper ends of each of the said plungers to align a can axially with said bracketed cylinders, means for locating in-feeding cans over said plungers and means for deflecting the said cans from off the said first mentioned table.

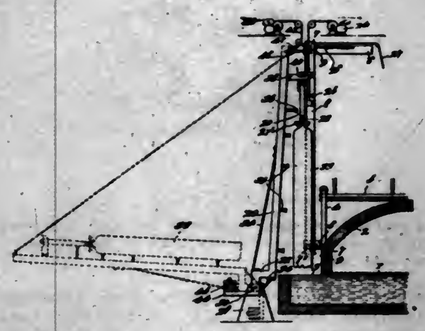
1,480,187. SAFETY CLOTHESPIN. HENRI EDMOND SOULARD, St. Ubalde, Quebec, Canada. Filed Mar. 21, 1923. Serial No. 626,625. 3 Claims. (Cl. 24—139.)



1. A clothes pin comprising a yoke having a pair of branches, a locking finger pivoted to one of said branches, and coiled around the other, an extension from said coiled portion and formed with a bifurcated portion adapted to straddle the last named branch, the end of said extension being bent at substantially right angles to the finger.

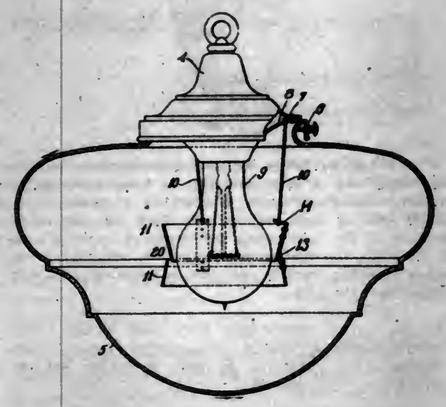
1,480,188. APPARATUS FOR DRAWING AND TAKING DOWN GLASS CYLINDERS. ARTHUR E. SPINASSE, Mount Vernon, Ohio. Filed Mar. 29, 1917. Serial No. 158,425. 15 Claims. (Cl. 49—17.1.)

14. In glass drawing apparatus, in combination, a bait, a pipe handle for said bait, a single-point support idle during draw, to said bait handle, a tilting take-down apparatus having yielding supports for the bait and cylinder at an angle thereto, and a single arm on said take-down apparatus arranged to engage and lift said single-point support of the bait, whereby the bait and cylinder are



supported free to swing or move in any arc at the beginning of the take-down act, until they come to be supported entirely by the yielding support of the take-down frame.

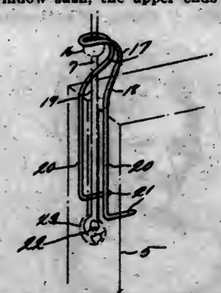
1,480,189. ELECTRIC-LIGHT FIXTURE. WALTER E. WALSH, Winthrop, and HOWARD C. JONES, Watertown, Mass. Filed Mar. 17, 1922. Serial No. 544,450. 3 Claims. (Cl. 240—78.)



1. In an electric lighting fixture the combination of an electric lamp and two frusto-conical rings surrounding the same and in close relation thereto, said rings being supported one above the other, the lower ring flaring downwardly and outwardly and the upper ring flaring upwardly, the upper edge of the lower ring overlapping the lower edge of the upper ring, said rings being separated by a small annular space.

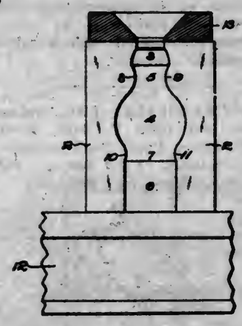
1,480,190. SASH-CORD FASTENER. ANDREW J. WAHLQUIST, Roosevelt, Utah. Filed May 5, 1921. Serial No. 466,933. 1 Claim. (Cl. 16—207.)

The combination with a window sash, of a cord fastener therefor, said cord fastener being formed from a single piece of wire bent upon itself so as to form vertically disposed arms, said arms being provided with inwardly extending sharpened prongs adapted to be imbedded in the window sash, the upper ends of said arms ex-



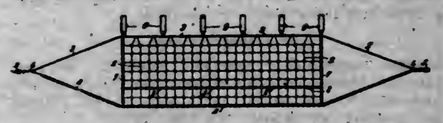
tending inwardly, upwardly and then outwardly at a point above the window sash thereby forming clamping jaws for the reception of the sash cord.

1,480,191. MOLD AND METHOD FOR MAKING CASTINGS. THOMAS E. P. WILSON, Lynn, Mass. Filed July 12, 1920. Serial No. 395,631. 16 Claims. (Cl. 22—156.)



1. A mold comprising a plurality of parts so fashioned that when assembled the parts will be unrestrained to move in various directions under the influence of pressure exerted from within the mold, and means for locking the parts together.

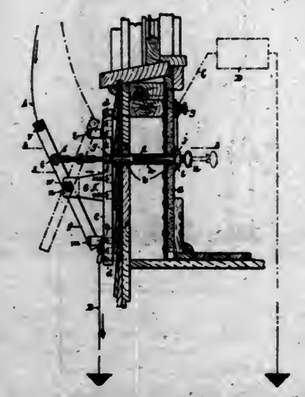
1,480,192. BOWLDER DREDGE. CUTHBERT C. WORSFOLD, New Westminster, British Columbia, Canada. Filed Apr. 20, 1923. Serial No. 633,476. 3 Claims. (Cl. 37—54.)



1. A means for dredging bowlders from below water, said means comprising a wire rope net, a relatively stronger wire rope connected to the net along one edge, a chain connected to the net along the other edge, the ends of which wire rope and chain are produced beyond the ends of the net and connected together and to hauling lines, and a series of floats connected to the wire rope along one edge of the net.

1,480,193. CUT-OUT. ALBERT L. WYMAN, Paterson, N. J. Filed June 26, 1922. Serial No. 570,887. 4 Claims. (Cl. 200—153.)

1. In a means for electrically connecting and disconnecting from one side of a wall conductors one of which is at the other side of the wall, the combination of a mounting adapted to be secured to the wall at said other side thereof and having a projecting part adapted to extend into the wall, a lever fulcrumed in the mounting and movable back and forth to establish and disestablish



electrical connection of the conductors, and means to move the lever on its fulcrum including a sliding member adapted to penetrate the wall and guided in and by said part.

1,480,194. HYDRAULIC BRAKE. RALPH B. BIXLER and WILLIAM E. STEADMAN, Denver, Colo. Filed Oct. 23, 1922. Serial No. 596,288. 12 Claims. (Cl. 188—91.)

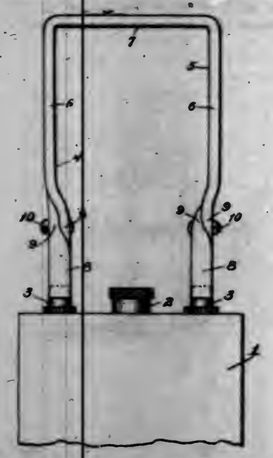


1. A hydraulic brake comprising in combination with a rotary element, a relatively stationary housing having a reservoir and a plurality of pairs of opposed piston-chambers communicating therewith, a liquid body in the reservoir, a plurality of independent piston-units each having two connected pistons fitted for reciprocation in the chambers of one of the pairs, an eccentric on the rotary element acting upon the piston-units for their synchronous operation, and an adjustable valve controlling the passage of the liquid between the reservoir and the piston chambers.

1,480,195. BATTERY-ELEMENT REMOVER. HARRY COLLINS, Sweetwater, Tex. Filed May 31, 1922. Serial No. 564,781. 1 Claim. (Cl. 29—84.)

A battery element remover comprising a pair of tongs, each consisting of a looped handle member embodying side arms and a transverse grip portion, the free ends of said arms being crossed and pivotally connected and

provided with terminal jaws, said jaws being arranged parallel to said arms and being of less length than the



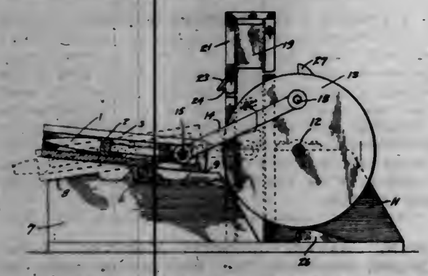
body portions of the arms, the free ends of said jaws being provided with sharp edge biting projections extending across the inner faces thereof.

1,480,196. CHECK-BOOK CLAMP. ROYAL W. CUDWORTH, San Francisco, Calif. Filed Mar. 1, 1923. Serial No. 622,153. 2 Claims. (Cl. 24—66.)



1. A clamp for a book of the character described comprising a back member adapted to lie against the back of the book, flanges rising from said member on opposite edges of the book, and a leaf spring secured to either flange having curled ends adapted to bear on the leaves of the book for flattening the same.

1,480,197. SLAUGHTERING DEVICE. ROYAL W. CUDWORTH, San Francisco, Calif. Filed Mar. 1, 1923. Serial No. 622,155. 6 Claims. (Cl. 17—1.)



1. In a slaughtering device, a knife blade adapted to cut at its point, a guide for the blade, and means for moving the blade in the guide thrusting the point into an animal to be slaughtered and of then giving a cutting motion to the blade.

1,480,198. PHOTOGRAPH AND THE LIKE. JOSEPHINE DENKHOFF, Sausalito, Calif. Filed Apr. 26, 1922. Serial No. 556,631. 1 Claim. (Cl. 41—24.)



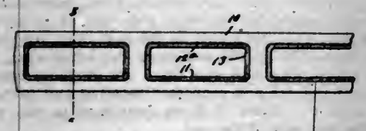
The herein described method of producing photographs and the like in relief, which consists in placing the photograph upon a pliable backing, using a stylus to apply pressure to the area of the backing corresponding to the area of the likeness on the photograph so as to cause the likeness to stand out in relief and thereafter filling in the hollow of the likeness with moldable material cutting away the photograph to leave a margin around the likeness and folding said margin back over the molding material.

1,480,199. FOLDING DISPLAY BOX. HENRY C. DURICK, Worcester, and JOHN T. BIRD, Boston, Mass., assignors to Worcester Paper Box Company, a Corporation of Massachusetts. Filed Feb. 27, 1922. Serial No. 539,376. 8 Claims. (Cl. 206—44.)



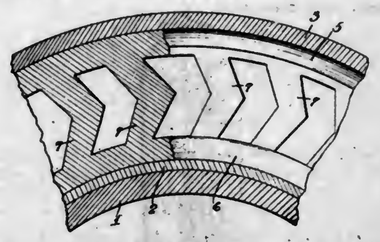
1. A folding box formed from a blank cut and scored to form an outer bottom, extensions at the side thereof forming outer and inner sides for the box and locking side flaps therefor, an extension from the end of one inner side forming an inner upper end, an extension from the end of the opposite outer side forming an outer upper end and having an end locking flap thereon, and an extension from the lower end of the outer bottom forming outer and inner lower end portions.

1,480,200. STENCIL. STERLING ELLIOTT, deceased, late of Newton, Mass.; by Harriet Adell Elliott, executrix, Newton, Mass. Filed Aug. 7, 1922. Serial No. 580,066. 6 Claims. (Cl. 101—127.)



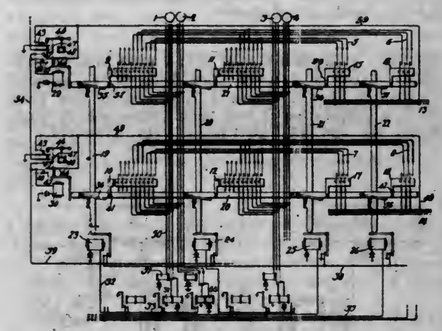
1. As a new article of manufacture, a stencil frame comprising two structurally identical superimposed paper sheets of equal thickness having their contiguous faces adhesively united, whereby to form a unitary frame structure, both of said sheets having windows of differing dimensions therein, that sheet having the smaller window extended inwardly beyond the boundaries of the larger window to form a ledge.

1,480,201. CUSHION TIRE. STUART L. EVERHART, Dowagiac, Mich. Filed May 15, 1920, Serial No. 381,539. Renewed June 13, 1923. 1 Claim. (Cl. 152—5.)



A tire filler comprising radially spaced resilient annular sections, substantially V-shaped supporting members vertically arranged between the said sections in spaced relation and integrally formed therewith, said members having their apexes intermediate the sections and projecting in circumferential alignment with each other whereby radial flexing of said members will be permitted.

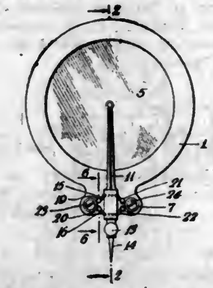
1,480,202. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1919. Serial No. 345,490. 15 Claims. (Cl. 179—275.)



1. In a telephone system, groups of lines, groups of transfer circuits, a switching mechanism at the crossing point of each group of lines and group of transfer circuits for connecting said lines to said transfer circuits, a trunk line associated with each group of transfer circuits, a switching mechanism individual to each transfer circuit for connecting said transfer circuit to said trunk, a bar individual to each group of lines for preparing the switching mechanisms associated therewith for operation, a bar individual to each transfer circuit of a group and common to the corresponding transfer circuits of each group for preparing the switching mechanisms associated therewith for operation, and a bar individual to each group of transfer circuits for actuating the prepared switching mechanism.

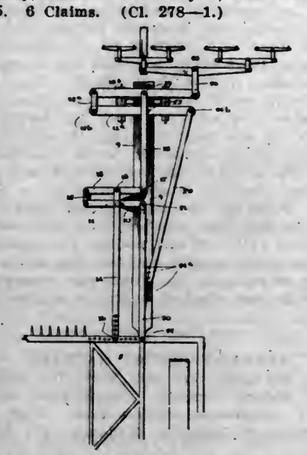
1,480,203. PHONOGRAPH AND ANALOGOUS APPARATUS. ELWOOD GRISSINGER, Buffalo, N. Y., assignor to Lucy Ash Grissinger, Buffalo, N. Y. Filed May 27, 1918. Serial No. 236,735. 9 Claims. (Cl. 274—35.)

1. In a phonographic sound box, a pivoted lever in combination with means for resiliently pivoting said lever, said means comprising piano steel wires symmetrically arranged and clamped on opposite sides of



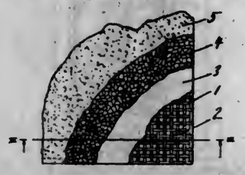
the pivotal axis and stretched to a tension approximating the safe elastic limit of said wire, for the purpose described.

1,480,204. DRAFT EVENER. CORNELIUS T. HANSEN, Big Sandy, Mont. Filed July 5, 1921. Serial No. 482,445. 6 Claims. (Cl. 278—1.)



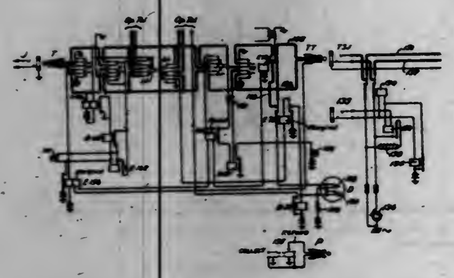
1. A draft equalizer assembly comprising a draw bar and a draft lever arranged in parallel relation, said draw bar and lever having a link connection at one end, means for connecting the other end of the draw bar to a four horse evener, pull means acting from the center of said draw bar on the implement drawn and pull means acting from the free end of said draft lever on the implement drawn.

1,480,205. MOTION-PICTURE SCREEN AND METHOD OF PRODUCING SAME. LINCOLN W. HILL, San Francisco, Calif. Filed Feb. 23, 1921. Serial No. 447,099. 3 Claims. (Cl. 88—24.)



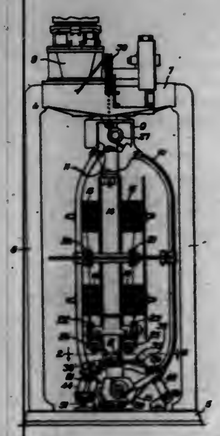
1. A screen for exhibiting motion pictures consisting substantially of a flexible backing, a coat of adhesive material applied thereto, small particles of dry vegetal material imbedded therein, the latter being coated with paint and a metallic powder.

1,480,206. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. HENRY L. HOFFMANN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec 24, 1920. Serial No. 433,026. 11 Claims. (Cl. 179—6.3.)



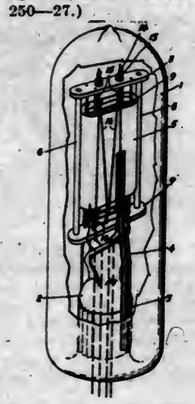
1. In a telephone system the combination of subscribers' lines, an operator's position, means including toll switching trunks and automatic switches for extending a call from said position to a subscriber's line, a coin box at the substation of said line having a coin disposal magnet, collect and refund current sources associated with one of said trunks, a coin current applying relay associated with said trunk, an alternating current source at said position, a manual switch at said position for applying alternating current from said source to said trunk to cause the operation of said relay to apply current from one of said sources to the connected substation to operate the coin disposal magnet in one manner, a shifting relay also associated with said trunk, and a manual switch at said position for operating said coin current applying relay and also said shifting relay, the latter substituting the other coin current source to operate the coin disposal magnet in another manner.

1,480,207. STRAND-TWISTING MACHINE. CHARLES GUNNAR HOLMBERG, Jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1921. Serial No. 489,974. 7 Claims. (Cl. 117—46.)



1. In a strand twisting mechanism, a flier and a strand supply reel support normally rotatable about the same axis, and magnetic means for securing the relative rotation of the flier and the strand reel support.

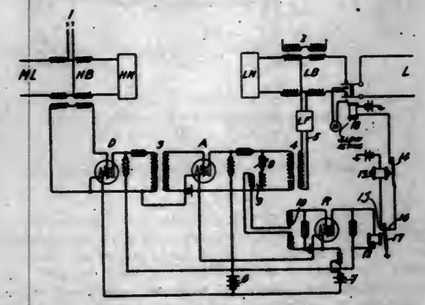
1,480,208. VACUUM TUBE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 15, 1921. Serial No. 461,727. 15 Claims. (Cl. 250—27.)



1. In combination, a suspension element and a support therefor comprising a resilient portion and a portion embracing said suspension element, said embracing portion and suspension element being crimped together.

4. In combination, a suspension element and a support therefor comprising a loosely wound wire helix, and a closely wound wire helix integral therewith, said closely wound helix embracing said suspension element and being rigidly joined thereto.

1,480,209. CARRIER-WAVE CALL-SIGNALING SYSTEM. JACOB S. JAMMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1020. Serial No. 433,748. 20 Claims. (Cl. 179—171.)

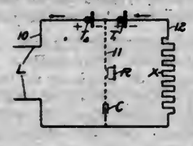


1. A signal transmission system comprising a transmission medium, a signal element associated with said transmission medium, means for normally transmitting energy individual to said signal element continuously over said medium, means for actuating said signal element, and means dependent only upon the interruption of said normally transmitted energy for preventing the actuation of said signal element.

1,480,210. TELEPHONE CIRCUITS AND METHOD OF OPERATING THE SAME. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1919. Serial No. 321,890. 11 Claims. (Cl. 179—81.)

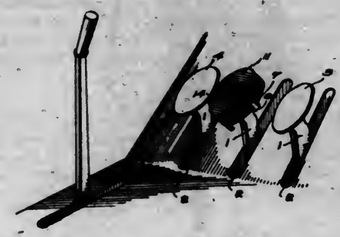
1. A circuit comprising three branches, a device for converting sound waves into electric waves in each of two of said branches, and means for simultaneously

actuating said devices, the electromotive forces generated by said actuation being so proportioned that substantially no current variations will flow in one of said



branches, a receiver in said last mentioned branch and a line circuit included in one of the others of said branches.

1,480,211. PEDAL ATTACHMENT. JAMES A. KAUFFMAN, Ashland, Ohio. Filed Oct. 28, 1921. Serial No. 511,188. 1 Claim. (Cl. 74—81.)



A pedal attachment comprising a base, downwardly extending lugs arranged on opposite sides of said base, said lugs being provided with inturned flanges, a downwardly extending lug arranged at one end of said base, said base being provided with a threaded opening, a screw arranged therein and adapted to engage the face of the pedal, a plurality of posts extending upwardly from said base, and an extension plate secured to said posts, said extension plate being provided with an opening in alinement with said screw for the reception of a tool.

1,480,212. PROCESS OF MANUFACTURE OF INGOTS OF PURE NICKEL FROM IMPURE OXIDES OF NICKEL. JACQUES DE FONDS LAMOTHE, Paris, France. Filed July 12, 1921. Serial No. 484,165. 1 Claim. (Cl. 75—17.)

The improved process for the manufacture of ingots of pure nickel from impure oxide of nickel; the said process comprising effecting the partial reduction of impure and pulverized oxide of nickel by means of a suitable reducing agent intimately mixed with the oxide; then levigating the powdered nickel when partly reduced, using weak solutions of hydrochloric and hydro-fluoric acids, then drying and agglomerating the powder of nickel in the form of ingots, then effecting, in two distinct operations, first an oxidising calcination, and then a simultaneous reducing and desulphurising calcination, of the ingots prepared as above set forth, the said oxidizing action being due to the small proportion of oxide of nickel which remains in the product after the partial preliminary reduction, and the reducing and desulphurizing actions being simultaneously obtained by introducing into the receptacles which contain the ingots a quantity of powdered charcoal mixed with any other body which can form a stable sulphide at the temperature of the calcination and in the presence of an excess of carbon.

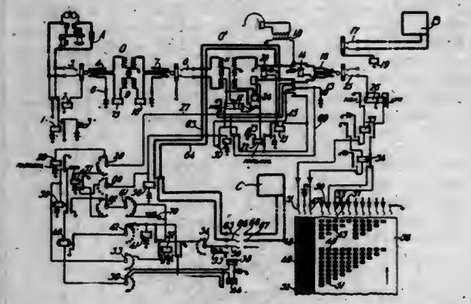
1,480,213. NUT LOCK. FOSTER A. LEUI, Comstock, Nebr. Filed June 13, 1923. Serial No. 645,181. 4 Claims. (Cl. 151—30.)

1. A device for locking nuts on bolts consisting of a split resilient ring provided on its inner circumference with eccentric teeth adapted to ride freely on the bolt when turned in one direction but bind upon the bolt



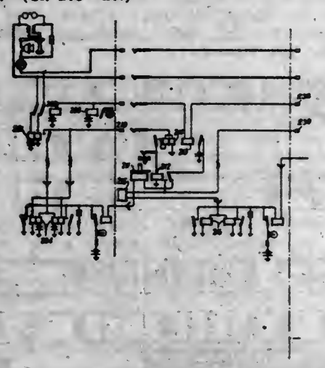
when turned in the opposite direction, the ring being provided with means whereby to engage the nut and turn with the same.

1,480,214. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, a Corporation of New York. Filed Nov. 6, 1920. Serial No. 422,256. 12 Claims. (Cl. 179—27.)



1. In a telephone exchange system, an operator's position, groups of outgoing trunk lines, an incoming line terminating in a connecting plug, a jack individual to each group of outgoing lines, an automatic switch associated with said incoming line, and means operative upon the insertion of said plug into a desired one of said jacks to operate said automatic switch to select the group of trunks to which said jack is individual.

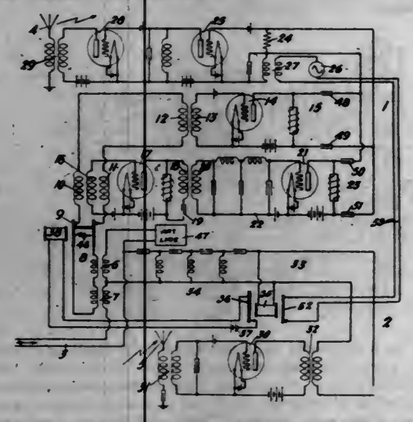
1,480,215. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. WILLIAM H. MATTHIES, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1919. Serial No. 278,700. 4 Claims. (Cl. 179—27.)



1. In a telephone system, a calling line, a plurality of called lines of different character, a selective switch, a register device comprising a plurality of variably oper-

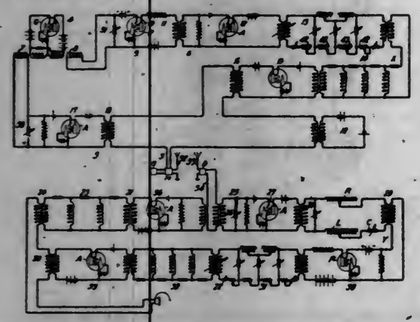
able registers for governing the operation of said switch to extend a connection from the calling line to any one of said called lines, an auxiliary switch for controlling the operation of said selective switch arranged to assume one position when a connection is extended to called lines of one character and another position when a connection is extended to called lines of another character, a signal and means controlled by the calling subscriber for releasing said selective switch when the auxiliary switch is standing in one of its positions and for operating said signal without releasing the selective switch when the auxiliary switch is standing in another of its positions.

1,480,216. TRANSMISSION SYSTEM. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1916. Serial No. 124,958. 82 Claims. (Cl. 250—6.)



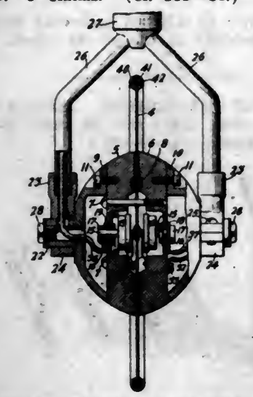
81. The method of signaling by electromagnetic waves which comprises radiating signaling waves from one station and thereby rendering inoperative another transmitting station during the continuance of signal radiation from the first-named station.

1,480,217. METHOD AND MEANS FOR SIGNALING. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Substitute for application Serial No. 139,541, filed Dec. 29, 1916. This application filed Jan. 20, 1922. Serial No. 530,528. 43 Claims. (Cl. 250—6.)



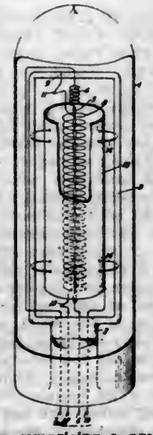
1. The method of secret telephony which comprises generating currents representing speech, generating confusion currents, having at least one frequency coinciding with the frequency range of said first mentioned currents, transmitting simultaneously and together the superposed speech and confusion currents, and receiving a relatively wide band of frequencies of the speech representing currents free from the confusion currents.

1,480,218. SUBMARINE SIGNALING. CHARLES R. MOORE, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 19, 1919. Serial No. 324,803. 9 Claims. (Cl. 181—31.)



1. A vibration responsive device comprising a vibrating diaphragm, a non-vibrating housing clamped about the central portion of the diaphragm, the outer portion of said diaphragm extending outside of said housing and means within the housing to alter the electrical characteristics of a circuit upon vibration of the diaphragm.

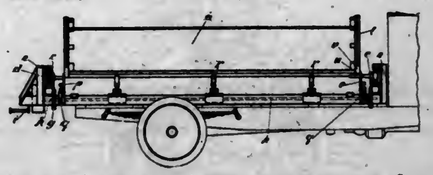
1,480,219. VACUUM TUBE. ALEXANDER MCLEAN NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 25, 1917. Serial No. 176,738. 9 Claims. (Cl. 250—27.)



1. A vacuum tube comprising a press, a helical electrode supported from said press, and means for maintaining said electrode under tension in the direction of its axis.

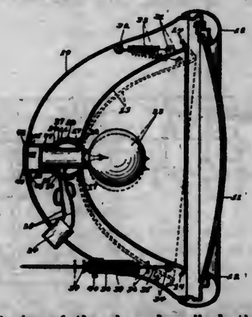
3. A vacuum tube comprising a press, an electrode, a pair of supports extending thereabove, and an electrode mounted on said supports and comprising a continuous surface surrounding said first electrode, said supports being located outside of said second electrode.

1,480,220. CART WITH SIDEWARDS-TILTABLE BRIDGE. JACOB OCHSNER, Zurich, Switzerland. Filed Nov. 16, 1921. Serial No. 515,445. 4 Claims. (Cl. 298—18.)



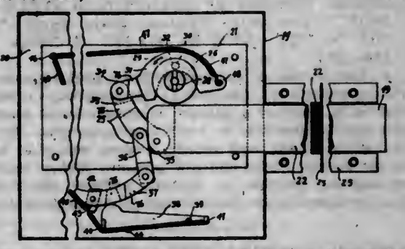
1. In a dumping arrangement for vehicle bodies, the combination with a fixed guide frame, of a body frame slidably mounted in said guide frame, a tiltable body carried by the second frame, means for moving the second frame transversely with respect to the fixed frame, and complementary engaging means carried by the fixed frame and the said body for limiting the travel of the body frame and for providing a fulcrum about which the inclination of the body frame is adjusted.

1,480,221. AUTOMOBILE HEADLIGHT. PERCY W. POMEROY and HAROLD P. SCHNEIDER, Toledo, Ohio, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 1, 1917, Serial No. 194,171. Renewed June 2, 1923. 8 Claims. (Cl. 240—41.)



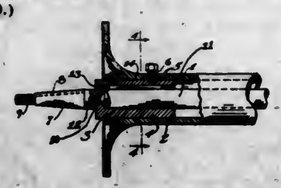
1. In a device of the class described, the combination of a casing, a reflector pivotally mounted at the rear thereof within said casing, means tending to move said reflector in one direction, and means connected to said reflector to move it in the opposite direction.

1,480,222. LOCK. LASZLO PONGRACS, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,710. 3 Claims. (Cl. 70—14.)



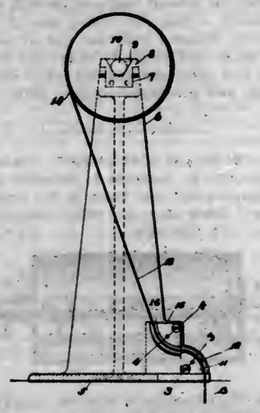
1. In a lock of the class described, a casing, a bolt within said casing, an excenter in said casing connected to said bolt by a link mechanism; a key adapted to turn said excenter and set said link mechanism and said bolt into motion in an inward or outward direction; a pivotally mounted plate within said casing connected with said link mechanism and adapted to terminate its motion, and springs within said casing secured to said link mechanism, said excenter and said plate and adapted to steady and regulate their movements.

1,480,223. EMERGENCY SPINDLE FOR AUTOMOBILES. ALCIDE ROBECHAUD, Milwaukee, Wis. Filed Nov. 26, 1921. Serial No. 518,088. 4 Claims. (Cl. 301—130.)



2. In combination, an automobile axle and housing therefor, a spindle having a hollow portion adapted to receive a portion of the axle and having an eccentric recess merging into said hollow portion, and an externally opening hole in communication with said eccentric recess, a pin adapted to be inserted through said hole and positioned within said eccentric recess, and means for retaining the spindle in position within said housing.

1,480,224. UNWINDER. CAMILLE A. SENTOU and ETIENNE JACQUET, Fort Lee, N. J., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 27, 1921. Serial No. 503,552. 6 Claims. (Cl. 242—76.)



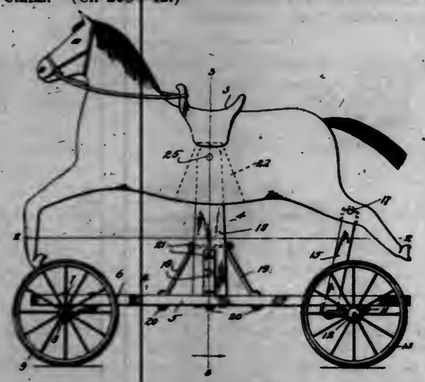
4. In a device of the class described, a support for a roll of film, facing quadrants secured to the supports, said quadrants having facing curvilinear V-notches each forming a fraction of a circle, means secured to the support presenting convex beveled surfaces for guiding the edges of a film into the V-notches of the quadrants.

1,480,225. ELECTRICAL CUT-OUT. HOMER CLYDE SNOOK, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 8, 1921. Serial No. 499,267. 5 Claims. (Cl. 200—120.)



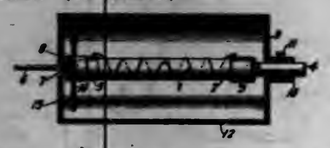
1. An electric fuse having a filling material comprising a gelatinous gas adsorbing material.

1,480,226. TOY. GEORGE F. SPANGLER, New Lexington, Ohio. Filed Feb. 24, 1921. Serial No. 447,446. 1 Claim. (Cl. 208—42.)



In a vehicular toy, a wheel base including a platform, a steering axle pivotally connected with the forward end of the platform, a crank shaft carried by the rear end of the platform, wheels on the shaft, said platform having an opening therein in which the crank of said shaft revolves, a standard rising centrally from the platform, a seat structure having a centrally downwardly tapered socket for receiving the upper end of the standard, the side walls of said socket having aligned openings formed therein, a cross pin engaged in the openings and bridging the socket for pivotal engagement with the upper end of the standard, a plug for closing one of the openings, said plug being engaged with one end of the pin, a link having its upper end pivotally connected to a rear portion of the seat structure and its lower end operable in said opening and pivotally engaged with the crank of said shaft.

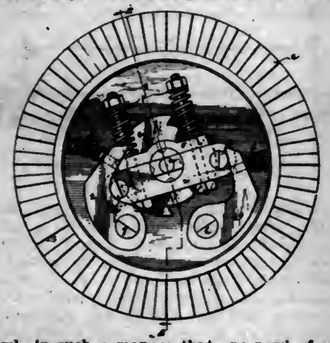
1,480,227. IMPEDANCE ELEMENT. GEORGE H. STEVENSON, Rye, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 16, 1921. Serial No. 460,826. 3 Claims. (Cl. 250—16.)



1. An electrical impedance element comprising a winding and means to adjust the reactance of said element comprising, an enclosing casing forming an electrostatic shield for said winding and connected to one end of said winding, and an adjustable member within the casing connected to the other end of said winding and forming with said casing a variable condenser.

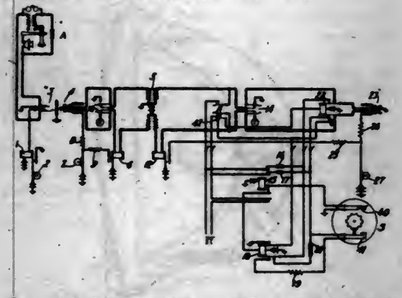
1,480,228. DIFFERENTIAL MECHANISM. JAMES A. STREET, Pontiac, Mich., assignor of one-half to Hugo C. Zeitz, Detroit, Mich. Filed June 23, 1921. Serial No. 479,867. 6 Claims. (Cl. 74—7.)

1. In a differential, an axle divided into two sections, toothed disks secured to adjacent ends of said sections to rotate therewith, a rotatably-driven ring-gear encircling said toothed disks, a pair of pawls for each toothed disk carried by said gear adapted to engage said toothed disks to rotate as one piece with said gear but in such a manner as to permit either toothed disk to overrun said gear, pawl-controlling means comprising a spindle journaled freely in one axle section and engaged with the other section to rotate therewith, and a pawl-engaging portion carried by the spindle releasably engaged thereto to rotate therewith, said pawl-engaging portion adapted to engage



said pawls in such a manner that one pawl of each pair is held out of engagement with its toothed disk permitting the other pawl in pair to engage the toothed disk for rotation.

1,480,229. TELEPHONE-EXCHANGE SYSTEM. WALTER B. STRICKLER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,209. 13 Claims. (Cl. 179—27.)



1. In a telephone system, a cord circuit having normally continuous talking conductors terminating in an answering and a calling plug, an operator's key, an impulse sender, means responsive to the actuation of the key and the sender for rendering the talking conductors of the cord circuit discontinuous, and a talking path provided differing from the normally continuous talking conductors of the cord circuit if the operator's key is not restored to normal.

1,480,230. PROCESS OF CARBURIZING STEEL AND IRON. TOYOKICHIRO TASHIRO, Tokyo, Japan. Filed May 24, 1921. Serial No. 472,282. 7 Claims. (Cl. 148—19.)

1. The process of carbonizing iron, steel and the like, which consists in embedding the material to be carburized in a bed of a mixture of carboniferous substance and metallic peroxide in a carburizing chamber that can be tightly closed, and causing carbon monoxide to act in its nascent state under a pressure higher than the atmospheric pressure by heating, utilizing the reaction heat produced when the said carbon monoxide is formed.

1,480,231. WRENCH. JAMES ARTHUR THOMPSON, Rushville, Ill. Filed Feb. 9, 1922. Serial No. 535,142. 12 Claims. (Cl. 145—68.)

1. A tool comprising a socketed member, an arm with respect to which said socketed member is transversely journaled, a second arm with respect to which said first mentioned arm is transversely journaled and rotatable upon its axis, a latch for adjustably securing said arms



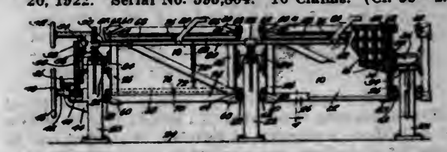
in any desired relative position, a right angled arm extending from said second arm, and a knob revolubly mounted on the extended end of said right angled arm.

1,480,232. APPARATUS FOR DISTRIBUTING CONCRETE. JOHN TRIMBLE, Philadelphia, Pa. Filed Mar. 17, 1922. Serial No. 544,598. 11 Claims. (Cl. 104—95.)



1. In apparatus for distributing concrete, a plurality of supports each comprising spaced legs united at the top to give a free space between the legs, a track supported thereby, a carrier adapted to travel along the length of the track, a walk for the operator beneath the track parallel with it and between the legs, permitting the operator to shove the carrier and a mount for the walk transverse to the legs and supported from them.

1,480,233. MACHINE FOR PRESERVING EGGS. OSCAR BOPP VON OBERSTADT, McHenry, Ill. Filed Oct. 20, 1922. Serial No. 595,804. 10 Claims. (Cl. 99—2.)



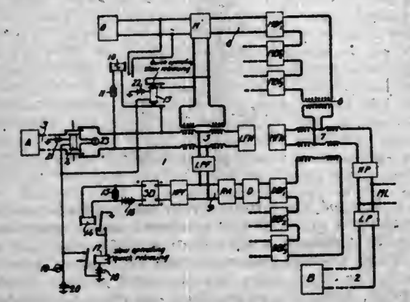
2. In mechanism of the class described, a crate carrying frame, initially open in two opposite directions, means at each opening for detachably fastening a crate therein, means rotatable mounting the frame so that said openings are successively moved to top position, means normally clear of the case as it rotates capable of being moved to release the crate securing mechanism which is then in top position, means for rotating the frame and means interlocking the rotating and releasing mechanisms for the purposes set forth.

1,480,234. SHOE. BENJAMIN G. WEDD, Mortimer, N. Y. Filed Mar. 14, 1922. Serial No. 543,710. 4 Claims. (Cl. 36—59.)

2. A shoe comprising an outer sole of substantially uniform thickness having a small circular depression cut therein near the inside of the sole immediately beneath the metatarsal joint of the great toe, an inner sole having an opening surrounding said depression and a layer inserted in said opening over said depression.

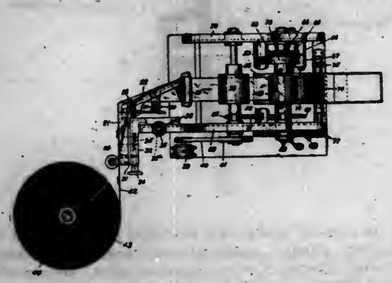


1,480,235. CARRIER-WAVE SIGNALING SYSTEM. CHARLES WHITE, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1920. Serial No. 432,191. 10 Claims. (Cl. 179—15.)



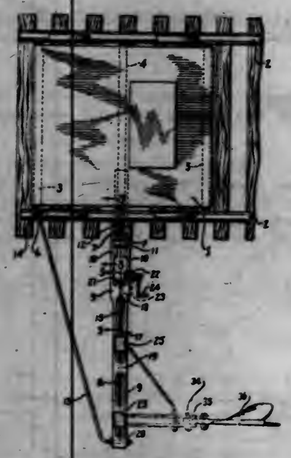
1. A method of signaling in a carrier wave signaling system employing a two-position relay, a controlled element and a second relay for controlling said element, which method comprises receiving impulses of carrier waves at a predetermined impulse periodicity, actuating the controlled element only when the two-positioned relay is changing from one position to the other and vice versa at a predetermined rate, and energizing the second relay to prevent actuation of the controlled element when the first relay remains in either position for a duration of time exceeding a definite minimum period.

1,480,236. PAPER-FOLDING MACHINE. CHARLES ARELT, Brooklyn, N. Y., assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,256. 7 Claims. (Cl. 270—65.)



1. In a machine for holding a traveling web of paper, a folding device comprising a member formed with an intermediate section and inclined side sections, and a second member extending at an angle to said first member and provided with slots converging toward each other from the line of junction of said two members.

1,480,237. SOD-LINE CUTTER FOR RAILROADS. ALBERT J. BRANCHEAU and PHILIP BOGAIR, Flint, Mich. Filed Mar. 19, 1923. Serial No. 626,019. 4 Claims. (Cl. 97—230.)



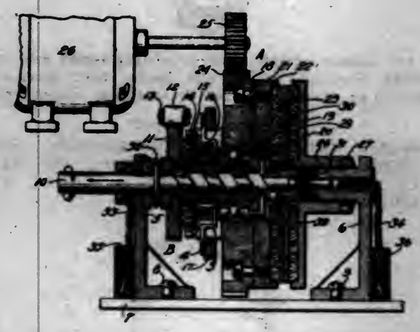
1. In a sod line cutter for railroads, a boom adapted to be attached to the side of a railroad car to extend horizontally therefrom, a screw shaft carried by the boom and rotatably mounted therein, a crank for rotating the screw shaft, the boom being provided with a pair of slots through which the screw shaft extends, a nut slidably mounted in each slot through which the screw shaft is threaded, an arm pivoted to one of the said nuts, a brace rod supporting the arm and connected to the other of said nuts, the depending end of the said arm being adapted for the attachment of a cutting device.

1,480,238. DIAL MOUNTING FOR ELECTRICAL INSTRUMENTS. FRANK H. BURNS, Hoosick Falls, N. Y., assignor to Hoosick Falls Radio Parts Manufacturing Company, Inc., Hoosick Falls, N. Y., a Corporation of New York. Filed May 20, 1922. Serial No. 562,542. 2 Claims. (Cl. 74—33.)



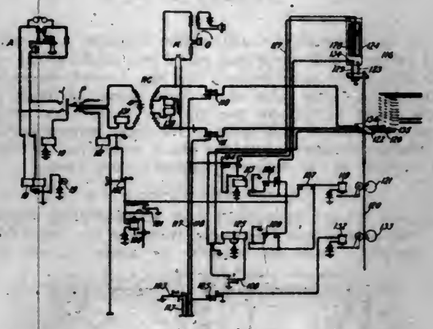
1. In a device of the class described and in combination, a rotatory spindle; a dial of insulating material having a central exteriorly screw-threaded boss, and provided with a central opening extending through the body of the dial and into said boss, said boss being provided with a lateral screw-threaded opening communicating with said central opening; a set-screw fitting said lateral opening in the boss engageable with the spindle inserted in said central opening; and a cap of insulating material fitting said screw-threaded boss, and enclosing and protecting said set-screw.

1,480,239. FRICTION CLUTCH. MERLE P. CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1921. Serial No. 507,336. 11 Claims. (Cl. 192—35.)



1. In combination, a driving member, a driven member normally tending to rotate, a shaft also to be driven, and a driving coupling on said shaft rendered effective upon the release of said driven member, whereby power is communicated to said shaft independent of said driven member.

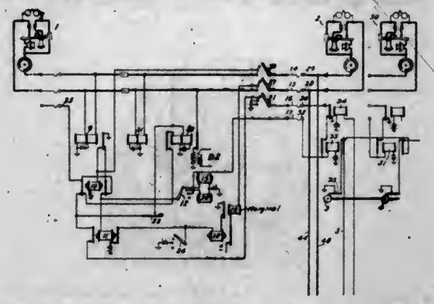
1,480,240. TELEPHONE-EXCHANGE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 22, 1920. Serial No. 375,704. 15 Claims. (Cl. 179—27.)



14. In a telephone exchange system, a plurality of offices, a plurality of switches of a certain type in certain of said offices, a plurality of switches, of another type in other of said offices, and a switch controlling mechanism associated with each of said certain offices, said mechanism being provided with means for controlling the switches of said certain offices by impulses received from said switches during the setting thereof and for controlling the switches of said other offices by transmitting impulses thereto.

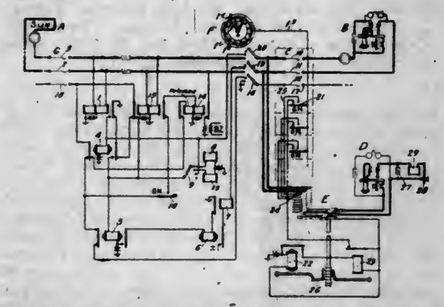
1,480,241. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. HENRY P. CLAUSEN, Mount Vernon, and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 16, 1918. Serial No. 245,145. 7 Claims. (Cl. 179—18.)

1. In a telephone system, telephone lines each including a calling signal, a secondary calling signal common to said lines, means individual to each of said lines for automatically operating said secondary calling signal in a different characteristic manner, means for selecting said



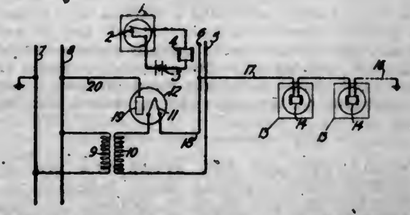
lines and operating said signals, and means responsive to an additional operation of said selecting means for subsequently causing the actuation of said first means.

1,480,242. TELEPHONE-EXCHANGE SYSTEM. HENRY P. CLAUSEN, Mount Vernon, and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, a Corporation of New York. Filed July 19, 1919. Serial No. 311,958. 10 Claims. (Cl. 179—27.)



1. In a telephone system, calling and called lines, an attendant's position, switching means for interconnecting said calling and called lines, and means automatically operated simultaneously with said switching means during predetermined intervals for connecting said attendant's position to said calling and called lines.

1,480,243. SIGNALING SYSTEM. ALLISON A. CLOKEY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 5, 1921. Serial No. 513,018. 6 Claims. (Cl. 58—24.)



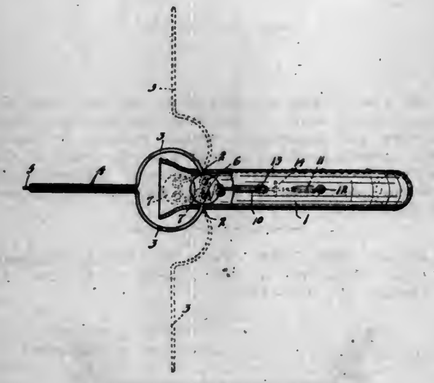
1. In an electric control system, the combination with a controlling device, of a series of auxiliary devices to be controlled, electromagnetic means for controlling said auxiliary devices, means for operating said electromagnetic means comprising a source of alternating current, and a thermionic rectifying device, and means associated with said controlling device for rendering said rectifying device operative.

1,480,244. GUARD FOR HARVESTERS. UDO H. CREMER, Minonk, Ill., assignor of one-third to Herman F. Cremer and one-third to Fred H. Cremer, both of Minonk, Ill. Filed June 27, 1922. Serial No. 571,130. 1 Claim. (Cl. 198—102.)



As an article of manufacture, an attachment for harvesters comprising a substantially flat body having parallel longitudinal edges and having a wing extension at one end thereof, said extension being bent at right angles to the body, the longitudinal edge portions of the body being reversely curved and one of said curved longitudinal edge portions constituting a hook, a longitudinal reinforcing element secured to the body and to the wing extension and extending beyond the end of the body remote from the wing extension, said extending portion of the reinforcing element being bent into parallel relation to the wing portion, said reinforced wing portion of the body and said extending portion of the reinforcing element being provided with openings to receive fastening elements whereby the body may be secured to the frame of the harvester, and a plurality of transversely extending reinforcing elements secured to the body and having offset end portions spaced from the second longitudinal edge portion of the body to cooperate with the latter in engaging a fixed part of the harvester, as and for the purpose set forth.

1,480,245. DEVICE FOR CATCHING FLIES OR OTHER INSECTS. OWEN R. DAILEY, Nichols, Wis. Filed Sept. 29, 1922. Serial No. 591,402. 6 Claims. (Cl. 43—135.)



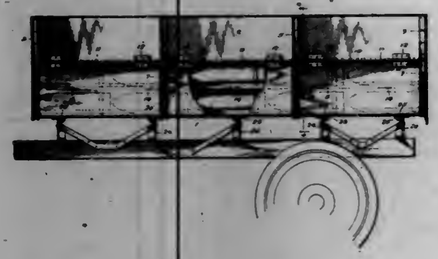
1. A fly catching device in a form of a gun, comprising a barrel, a member movable in said barrel, a pair of reticulate members pivoted to said movable member for movement toward and from each other, resilient means for suddenly moving said movable member, means for holding said means under tension and suddenly releasing the same and a cam action device for suddenly moving said reticulate members together when said resilient means are released.

1,480,246. EDGING FOR ROOF COVERINGS. CHARLES E. DOUGLAS, Nashua, N. H. Filed Apr. 13, 1923. Serial No. 631,842. 5 Claims. (Cl. 108—26.)



1. The combination with sheathing, of an edging formed of a strap of sheet metal so bent as to form a holding fold extending along the edge of the sheathing and having a water lip at its lower edge, said strip being bent back on top of the sheating, thence in a fold back upon itself over the edge of the sheathing, thence in a second fold back upon itself beyond the first fold forming a pocket and down to form a biting edge, sheet roofing which extends into said pocket, elastic cement which substantially fills the rest of said pocket, nails which pass through the top edge of the edging and the sheet roofing into the sheathing, and nails which pass through the holding fold into the sheathing.

1,480,247. TRUCK BODY. WALTER T. DOVE, U. S. Army, assignor to Newton D. Baker, Secretary of War, trustee. Filed June 10, 1919. Serial No. 303,220. 1 Claim. (Cl. 296—19.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



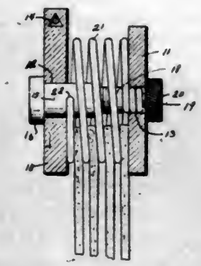
An army truck, including seats, movable parts attached to the seats for converting the seats into litter carriers and ammunition carriers beneath the seats, said carriers provided with grooves, the sides of the grooves formed of curved surfaces of different radii whereby ammunition of different sizes may be retained in the grooves.

1,480,248. ASH GATE. FRANK H. DUNBAR, Cleveland, Ohio. Filed Mar. 5, 1923. Serial No. 622,728. 12 Claims. (Cl. 110—171.)



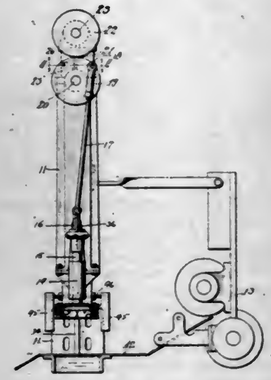
1. The combination in a closure mechanism for bottom discharge hoppers, of a frame and a door reciprocable thereon, said door having drain troughs along its sides and means for scraping material from said side troughs upon relative movement of said door and said means.

1,480,249. CLOTHES HOLDER FOR CLOTHESLINES. JANIE EDWARDS, Cardin, Okla. Filed May 21, 1923. Serial No. 640,495. 6 Claims. (Cl. 24—137.)



6. A garment holder for clothes lines comprising a helical spring, between the coils of which the garments are adapted to be placed, and means operatively supported in conjunction with the coil for compressing the coil or permitting the expansion thereof.

1,480,250. PIE MARKER. WILLIAM EHRLICH, Chicago, Ill., assignor to Case & Martin Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1922. Serial No. 530,583. 14 Claims. (Cl. 107—1.).

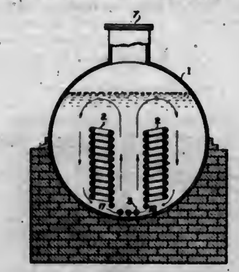


2. A pie marker comprising a marking die; a shaft; an operable connection between the shaft and pie marking die; power driving means normally disconnected from said shaft; and manual means connected with said connection and adapted to initially rotate the shaft to effect a connection of the power driving means with said shaft.

1,480,251. PROCESS AND APPARATUS FOR HYDROGENATION. CARLETON ELLIS, Montclair, N. J. Filed Nov. 25, 1918. Serial No. 264,005. 12 Claims. (Cl. 87—12.)

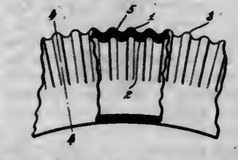
1. In the hydrogenation of fatty oils containing unsaturated constituents, the step of maintaining an elongated substantially horizontal body of such oil while causing a defined circulation therein in a vertical plane, such oil carrying in suspension therein a catalyst which carried about in the oil by currents of the oil, and introducing thereinto, at a level well below the surface

of such oil, at a plurality of points in the length of such body, a hydrogen-containing gas, while such oil



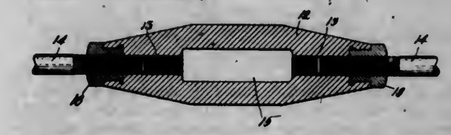
is at a temperature at which such catalyst is capable of causing a union of hydrogen with constituents of such oil.

1,480,252. INNER TUBE. EDWARD FETTER, Baltimore, Md. Filed Nov. 3, 1922. Serial No. 598,947. 2 Claims. (Cl. 152—13.)



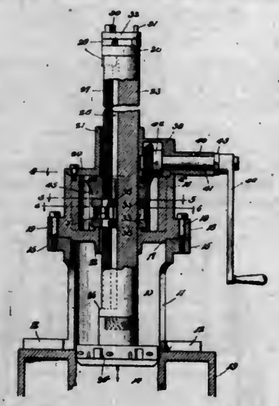
2. An inner tube for pneumatic tires having a portion of the wall thereof formed in plaits, extending transversely to the length of the tube, the plaits being so disposed that they are flattened when the tube is inflated within the casing, the plaited portion of the wall being formed of two layers spaced apart and a quantity of adhesive material between said two layers the flattening of the plaits providing surplus material which prevents stretching and tends to expand and close any punctures which may be formed, the flattening of the plaits also serving to further compress the adhesive material and provide an extra supply thereof to be forced into the punctures when formed.

1,480,253. TURNBUCKLE. DANIEL C. FISHER, Boston, Mass. Filed May 11, 1923. Serial No. 638,353. 1 Claim. (Cl. 287—60.)



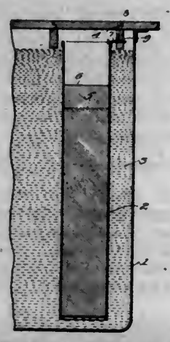
A turn-buckle comprising a body having the usual alined spaced apart internal screwthreaded sockets, adapted to engage externally threaded rods connected by the body, the inclination of the thread of one socket being opposite that of the thread of the other socket, the end portions of the body being provided with internally threaded socket enlargements; and nut members having wrench-engaging faces, external threads adapted to engage the internal threads of the socket enlargements, and internal threads adapted to engage the external threads of said rods, the arrangement being such that the nut members are adjustable, first, to permit the simultaneous rotation of the body and the nut members on said rods, and the engagement of the rods with the socket threads and with the internal threads of the nut members, and secondly, to lock the body and the nut members against rotation on the rods, the threads of the said socket enlargements and the external threads of said nut members being of finer pitch than the internal threads of the nut members and of the said sockets; the inclination of the threads of the socket enlargements being opposite that of the internal threads of said sockets; and the inclination of the external threads of said nut members corresponding to that of the threads of the socket enlargements.

1,480,254. CYLINDER-REBORING MACHINE. FREDERICK T. FLINCHBAUGH, York, Pa. Filed Feb. 8, 1921. Serial No. 443,392. 12 Claims. (Cl. 77—2.)



1. A cylinder reboring machine including supporting means, a boring bar journaled thereon, a feed screw carried by the bar, bearing plates slidable upon the bar, a feed star upon the screw confined between said plates, and means upon the supporting means disposed to engage said star for advancing the bar upon rotation thereof.

1,480,255. ART OF MANUFACTURING ICE. HERMAN FRIEDL, Chicago, Ill. Filed Oct. 22, 1923. Serial No. 670,003. 3 Claims. (Cl. 62—172.)

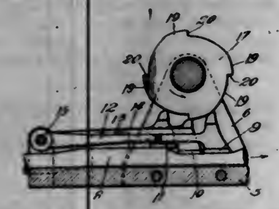


1. The method of manufacturing ice, which consists in subjecting the receptacle in which the water is to be frozen to a refrigerating bath the level of which extends to such a height relative to the water in the receptacle that when all of the water is frozen the top of the ice cake is a substantial distance below the level of the refrigerating bath.

1,480,256. FLUID-CONTROLLING DEVICE. MAJOR E. GATES, Terra Cotta, Ill. Filed Sept. 19, 1919. Serial No. 325,041. 13 Claims. (Cl. 103—149.)

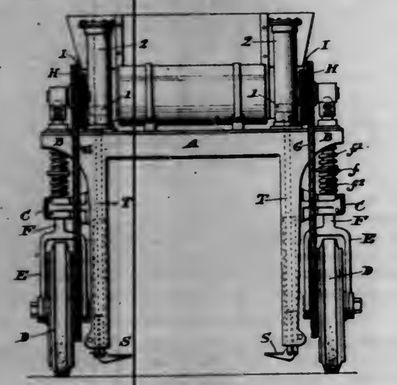
1. In a device of the character described, the combination of a flexible pipe through which the fluid is to pass, a series of presser-devices, the said series extending

lengthwise of said pipe, said presser-devices being movable in planes substantially at right angles to the axis



of the said pipe into and out of engagement with the side of said pipe, and means for operating said presser devices in succession, for the purpose set forth.

1,480,257. LUMBER CARRIER. CARL F. GERLINGER, Dallas, Oreg. Filed July 17, 1922. Serial No. 575,678 2 Claims. (Cl. 212—141.)



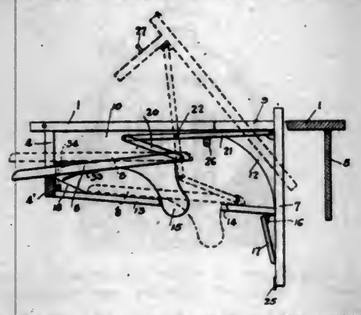
2. A lumber carrier comprising a frame, hydraulic cylinders carried thereby, a piston in each cylinder, means connected to the pistons for raising a load of lumber, means for operating the pistons in either direction, automatic means for controlling the power exerted by the operating means, and means for cutting off the operating means and thereby holding the pistons in any position to which they have been moved.

1,480,258. PRESS PLATE OR DIE FOR MANUFACTURING PHONOGRAPH RECORDS. TRUMAN J. GLOVER, Caldwell, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Sept. 7, 1921. Serial No. 499,017. 12 Claims. (Cl. 18—5.3.)



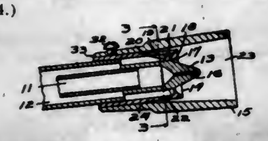
1. A die for shaping thermoplastic material comprising a body having an inlet passage therein, a series of fluid conducting channels of varying cross-sectional area communicating with said passage and an outlet passage communicating with said channels.

1,480,259. CABINET FOR CALCULATING MACHINES. LOUIS C. GREINER, Evansville, Ind. Filed Sept. 20, 1921. Serial No. 501,911. 1 Claim. (Cl. 45—52.)



In a cabinet for keyboard machines, the combination of a cover arranged to be movable from forward horizontal position to rearward vertical position, a supporting platform for the keyboard machine having a downwardly extending projection on its under side, a fixed bottom board adapted to receive and support the supporting platform in its rearward position having an opening therein to receive said downwardly extending projection, means operated by the cover for moving the supporting platform bodily forward on the bottom board, raising its rear end and sustaining it in raised position, comprising levers having fixed pivots between their ends and having pivoted connection at one end with the forward end of the cover and links pivoted at one end to the free end of a lever and at the other end pivoted to the rear end of the supporting platform, and means for sustaining the front end of the supporting platform, the downwardly extending projection, on the supporting platform cooperating with the opening in the bottom board to guide the supporting platform in its forward and rearward movement and pivoted supporting means near the front edge of the bottom board for supporting the front edge of the supporting platform above the front board.

1,480,260. BLOWPIPE. VICTOR E. HAAS, Toledo, Ohio, assignor of one-half to William E. Waldo and one-half to Samuel E. Starr, both of Toledo, Ohio. Filed Mar. 16, 1922. Serial No. 544,108. 4 Claims. (Cl. 158—27.4.)



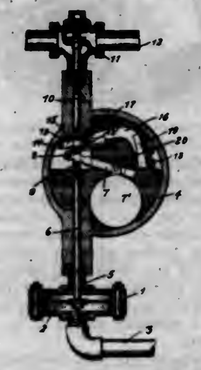
1. In a blow pipe, a burner having a conical inner tip and a concentric shell, means for connecting a source of fuel and air under pressure with the tip and with the shell of the burner, the shell having an opening near the base of the cone of the tip, a second shell surrounding the said shell and tip and extending beyond the edge and end of the shell and tip.

1,480,261. ROOF GUTTER AND HOLDER. FREDERICK J. HACKER, Waterloo, Iowa. Filed July 5, 1922. Serial No. 572,880. 2 Claims. (Cl. 108—28.)



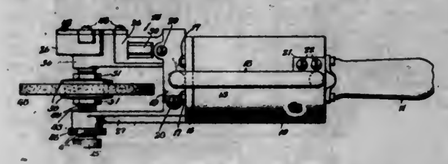
1. The combination, a metal support of longitudinally trough-ed form with one longitudinal margin laid closely upon a pitched roof and the other longitudinal margin shaped with an incurved tubular roll, a gutter made of flexible waterproof material fitted within said troughed support and upheld thereby, the upper longitudinal edge of the gutter inserted into and clipped by the opposite walls of the split of said tubular roll.

1,480,262. HOT-WATER-HEATER GAS REGULATOR. BENJAMIN A. HAWKINS, Providence, R. I., assignor to Gaia E. Hawkins, Providence, R. I. Filed Jan. 18, 1922. Serial No. 530,213. 5 Claims. (Cl. 236—25.)



4. In a gas regulator, a water pressure responsive member, a gas controlling member, a pivoted link coacting with each member at points between the ends of the respective links, the opposite ends of the links being spaced apart, means to tension one link to normally hold same spaced from the other link, and a cam having connection with the other link and engageable by said opposite end of the tensioned link so as to effect operation of the gas controlling member upon predetermined movement of the water responsive member.

1,480,263. PORTABLE BUFFING TOOL. WILLIE HOFFMAN, Chicago, Ill. Filed Jan. 16, 1922. Serial No. 529,724. 2 Claims. (Cl. 51—170.)



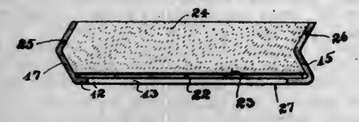
1. A portable electric motor operated hand tool, comprising an electric motor, including its casing, its motor driven shaft at one end, and a handle at its other end, and an attachment for converting said motor into a handtool, comprising a forked gear casing secured to said motor casing, a tool driving shaft extending transversely of said motor driven shaft, journaled solely in one fork of said gear casing and secured therein against endwise movement, said tool driving shaft projecting into the space between the forks of said gear casing, a tool holding screw threadedly secured in the other fork of the gear casing, and coaxial with said tool driving shaft, a rotative working tool located between said forks and extending in a plane parallel with the axis of the motor, and being operatively connectible with and disconnectible from said tool driving shaft, and with said screw, and gearing between said motor driven shaft and tool driving shaft contained in the fork of said gear casing which contains said tool driving shaft.

1,480,264. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Apr. 16, 1923. Serial No. 632,235. 10 Claims. (Cl. 197—136.)



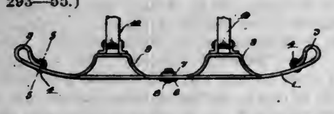
1. The combination of a cylindrical platen and clamping means carried thereby and releasable at will, said clamping means comprising a rod contained within and extending longitudinally of the platen, one or more clamping fingers carried by said rod and extending through the platen to the outer surface thereof, means for supporting the rod at one end in the platen so that the rod may swing with a pivotal movement around said point of support at one end of the platen and thus cause the clamping fingers to engage or release the sheet to be clamped to the platen, and a finger piece carried by the platen and co-acting with said rod to control its pivotal movement.

1,480,265. FILM LETTERING AND TITLING DEVICE. HARRISON H. HOOD, Los Angeles, Calif., assignor to Thimmeway Titles, Inc., Hollywood, Calif. Filed Aug. 31, 1922. Serial No. 585,471. 8 Claims. (Cl. 95—1.1.)



1. In a device of the class described, a film having detail characters impressed thereon disposed in a protecting holding member adapted to be arranged in a combination of holding members to be photographed for lettering, identifications, titles, and inscriptions of moving pictures.

1,480,266. BUMPER FOR MOTOR VEHICLES. CHARLES J. IVEN, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed June 6, 1923. Serial No. 643,776. 8 Claims. (Cl. 293—55.)



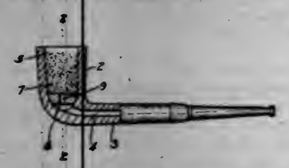
1. A bumper comprising two substantially parallel bars, arranged one above the other, each having its ends bent rearwardly, inwardly and toward the other, and supporting means for the bumper secured to said ends and also to the two bars at a point between the ends of each of the bars.

1,480,267. PROCESS FOR THE MANUFACTURE OF MANGANESE OR OF MANGANESE ALLOYS POOR IN CARBON AND SILICON. BO MICHAEL STURE KALLING and SVEN DAGOBERT DANIELI, Trollhattan, Sweden, assignors to Aktiebolaget Ferrolegeringar, Stockholm, Sweden, a Limited Joint Stock Company. Filed Feb. 1, 1922. Serial No. 533,382. 8 Claims. (Cl. 204—64.)

1. The process of manufacturing manganese poor in carbon and silicon, and having low percentages of phosphorus and iron, which consists in smelting manganese ores in which the principal content of manganese occurs in the form of manganese oxides having an average degree of oxidation of the manganese higher than is represented by the formula MnO in an electric furnace with a quantity

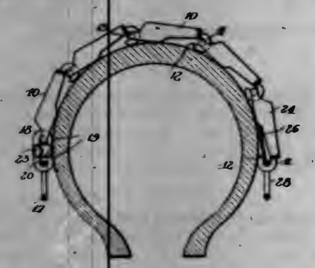
of reduction-carbon adapted to reduce the main part of the higher manganese oxides of the ore into manganous oxide, a part of the eventually occurring iron oxides to iron and a part of the eventually occurring phosphoric combinations to phosphorus, then reducing the prereduced manganese ore in an electric furnace by silicon in the form of alloys preferably having more than 10% of silicon, the latter reduction taking place under such conditions that the metal formed has no opportunity to absorb any appreciable quantity of carbon.

1,480,268. SMOKER'S APPLIANCE. JOHN W. KIDWELL, Hartford, Conn. Filed Mar. 10, 1922. Serial No. 542,704. 1 Claim. (Cl. 131—12.)



A smoker's appliance comprising a frusto-conical plug of clay, having a channel extending entirely across its under side, the upper face of the plug being flat, the plug having a port leading centrally from said flat surface to and intersecting the passage.

1,480,269. NONSKID CHAIN. HARRY KLONICK, Rochester, N. Y. Filed Oct. 4, 1922. Serial No. 592,432. 9 Claims. (Cl. 152—14.)

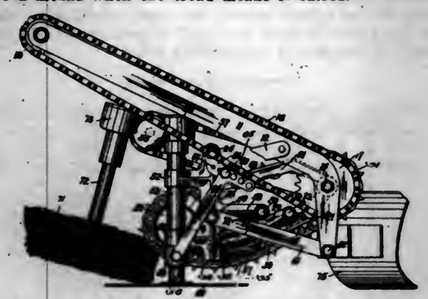


7. In a non-skid chain, a pair of side chains, cross chains therebetween having a plurality of links of substantially rectangular shape with relatively high sides forming wear resisting portions, each of said links having a hook at one end and a hook receiving bar at the other having a flattened side adapted for detachment from the hook of an adjacent link with the links in substantially back to back relation, said hook being adapted in engagement with an adjacent link to obstruct movement of the latter to said position for detachment, and a member detachably connecting an end of said cross chain to the adjacent side chain.

1,480,270. BEET-HARVESTING MACHINE. WILLIAM H. KOPITKE, Toledo, Ohio, assignor to American Beet Harvester Company, Toledo, Ohio, a Corporation of Delaware. Filed Nov. 20, 1920. Serial No. 425,321. 25 Claims. (Cl. 55—107.)

5. In a machine of the class described, a frame, a tread means and a topping means in operable combination trailing therefrom, and means for holding the tread means and topping means in a predetermined normally operable relation to one another independent of contact with the surface over which operating.

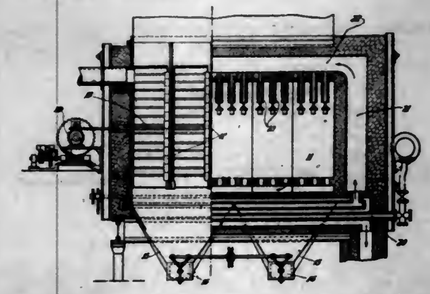
12. In a machine of the class described, a frame, a tread means carried by the frame, a cutting element permanently projecting under the tread means, and means connecting the cutting element, tread means and frame and operable to advance the cutting means under the tread means when the tread means is raised.



16. In a machine of the class described, a frame, a tread means carried by the frame for vertical swinging movements relative thereto and including a tread belt having its lower run straight for a distance outward from the inner end of the tread means and then formed with a prolonged curve at its outer end, a topping means carried by the tread means for swinging movements therewith and having its cutting element projecting under the curved portion of the tread belt, means for driving the tread belt and topping means, and means exerting a yielding downward pressure on the outer end of the tread means to normally retain it at a predetermined lowered position.

20. In a machine of the class described, a trailing tread means, a topping element extending beneath the tread means for relative movements therewith, and means maintaining the contour of the tread means substantially parallel to the cutting edge of the topping element at all times.

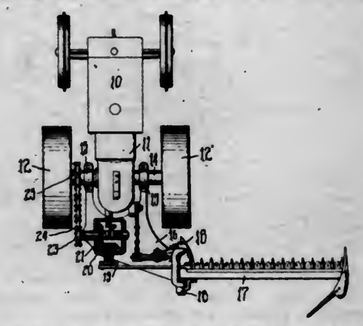
1,480,271. INSTALLATION FOR DEGASIFYING NONCOKING, BITUMINOUS MATERIALS AT LOW TEMPERATURE. HEINRICH KOPPERS, Essen-Ruhr, Germany. Filed Jan. 2, 1923. Serial No. 610,341. 14 Claims. (Cl. 202—9.)



1. An installation for continuous distillation of noncoking bituminous materials at low temperature consisting of retorts chambers of rectangular cross-section; heating walls for said chambers; jalousie walls arranged alongside said heating walls to force the materials to be distilled to move downward along the heating walls in thin layers.

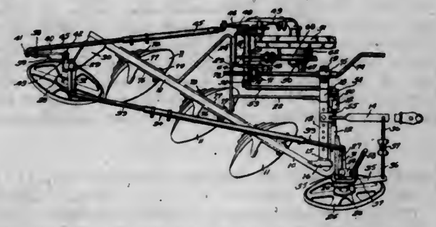
1,480,272. TRACTOR-DRAWN IMPLEMENT. ALVARO S. KROTZ, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 5, 1920. Serial No. 349,696. 9 Claims. (Cl. 56—25.)

9. The combination of a forward vehicle, a trailer structure pivotally connected to said vehicle, cutter mechanism carried by said trailer structure, gearing on the trailer structure for driving said cutter mechanism and including a clutch, means on the forward vehicle for lifting the cutter mechanism and trailer structure,



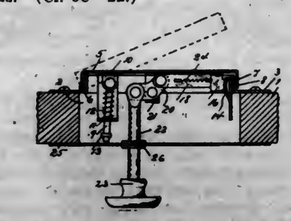
and thereby giving the said gearing and clutch a bodily swinging movement, and means actuated by the said swinging movement to release the clutch as the trailer structure is lifted.

1,480,273. POWER-LIFT PLOW. ALVARO S. KROTZ, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 8, 1920. Serial No. 429,205. 16 Claims. (Cl. 97—72.)



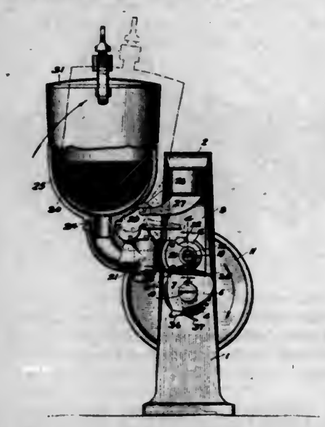
1. In a plow of the class described, a diagonally arranged bar extending fore and aft of the plow and adapted to support a plurality of furrow turning elements, and the forward end of which is bent inward toward the center of the plow and extends transverse to the path of travel thereof; wheels for supporting said bar from the ground; a brace member extending between the inner free end of said bent in portion and the middle portion of said supporting bar; and draft mechanism connected with said inwardly bent portion and with the front end of said supporting bar and through which the plow is drawn.

1,480,274. VENTILATOR FOR CLOSED CARS. RAYMOND A. LA BARRE, Detroit, Mich., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed May 27, 1920. Serial No. 384,526. 9 Claims. (Cl. 98—22.)



1. A ventilator for vehicles comprising an open frame, a closure hinged to said frame inclined at an angle to said frame in open position, means limiting the opening movement of the closure, yieldable means engaging said limiting means and actuating said movement, and means for maintaining the closed position of the closure.

1,480,275. CEMENTING MACHINE. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to Lorenz Muther, Newton, Mass. Filed Apr. 22, 1920. Serial No. 375,834. 4 Claims. (Cl. 91—40.)



2. In a cement applying machine, a cement supplying head providing a horizontal conduit having a semi-cylindrical seat surface about the outlet opening at the end of said conduit, a rotary cement distributing roll journaled in the end of said conduit and engaging said seat surface to provide a closure for said outlet opening, the roll periphery and seat surface extending above said opening to a degree preventing cement permeation or seepage upwardly between and through the joint of said roll and seat surface, and a rotative cement-applying brush journaled beneath and brushing said roll.

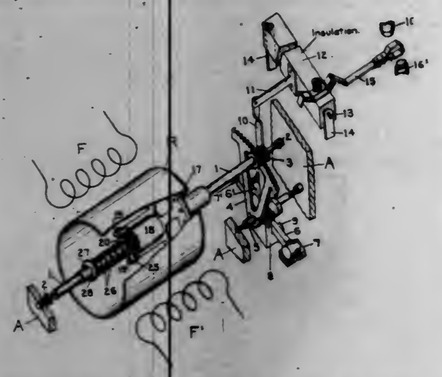
4. In a cement applying machine, a frame, a pair of parallel shafts journaled in said frame, a cement supply reservoir having an outlet conduit, a rotatable cement distributing roll journaled upon said conduit providing a valve closure for the outlet opening thereof and having a tubular axis adapted to be removably engaged upon the end of one of said shafts adapting the reservoir and roll to be removed from the machine as a unit, and a cement applying brush mounted upon the end of said second shaft for cooperating with said cement distributing roll.

1,480,276. RELAY. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 17, 1919. Serial No. 283,136. 10 Claims. (Cl. 200—91.)

6. In a relay of the rotor type, the combination with a rotor and its operating shaft, a biased relay movement positively connected to said shaft, field windings adapted if energized to cause rotation of said rotor, of a friction clutch and lost motion connection between the rotor and the shaft for permitting free movement of the rotor relatively to the shaft to a limited extent, and for producing a frictional connection between the rotor and its shaft at the limits of said free run, whereby the rotor may freely over-run the operating shaft and the relay movement to a limited extent upon deenergization of the relay.

9. In a relay, circuit controlling means and associated operating parts constituting a relay movement, means adapted when energized to cause operation of the relay movement and including a movable operating element, and a lost motion connection between said operating element and the relay movement, which permits free

movement of said operating element with respect to the other parts of the relay movement, and means for causing electro-magnetic braking of said operating parts,



whereby upon deenergization of the relay said operating element may continue its movement by itself and be brought to rest gradually while the parts of the relay movement stop in their biased position.

1,480,277. TRACTION GRADING MACHINE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor, by mesne assignments, to Kreebring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 26, 1919. Serial No. 279,235. 20 Claims. (Cl. 37—97.)



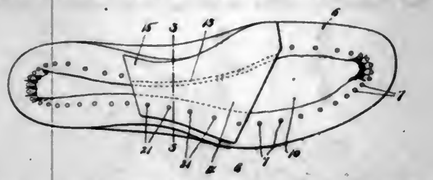
1. In a grading machine of the class described, the combination of a movable support, a grading device mounted thereon, and a single means for raising and lowering said grading device and for preventing lateral movement of the same.

8. A grading device of the character described including a rotary drum, transversely disposed excavating buckets mounted thereon in a peripheral series, each bucket having its entering edges of a formation reversely angled from a median point with respect to a line of cut at right angles to the direction of movement of the device to thereby progressively apply its cutting edge to the work.

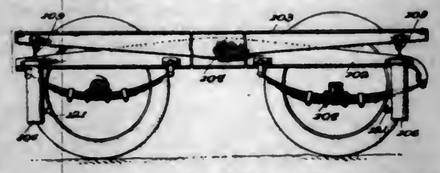
10. In an excavating and grading machine, the combination of an excavating and grading device, means to operate the same, stopping means for discontinuing operation of the excavating and grading device, and trip means in the path of certain materials excavated by the grading device for operating the stopping means.

1,480,278. BOOT OR SHOE AND PROCESS OF MAKING. GEORGE T. MCLEOD, Boston, Mass., assignor to Thomas G. Plant Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1923. Serial No. 611,943. 3 Claims. (Cl. 36—19.)

3. An improved boot or shoe, having an insole with the edge adjacent the inner arch portion of the shank narrowed, the upper materials at the corresponding shank portion having an extension adapted to secure this part of the upper to the opposite edge of the insole, said upper and insole being attached excepting at the narrowed insole portion, and the upper, insole and outsole being secured by through and through stitching, excepting at said narrowed insole portion.

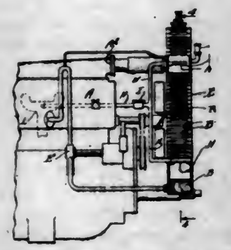


1,480,279. VEHICLE. WILLIAM B. MACLACHLAN, Minneapolis, Minn. Filed Feb. 10, 1923. Serial No. 618,368. 2 Claims. (Cl. 280—106.5.)



1. The combination with main and auxiliary frames pivotally connected intermediate their ends, of cylinders connected to the ends of said main frame, plungers connected to said auxiliary frames and having piston heads, tubular members arranged in said cylinders and having chambers slidably receiving said head, coiled springs confined between said head and the ends of said cylinders, and valves communicating with said chambers.

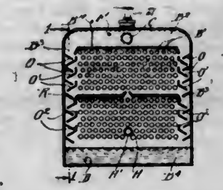
1,480,280. ENGINE-COOLING SYSTEM. HARRY C. MALLORY, New York, N. Y.; Sue R. Mallory administratrix of said Harry C. Mallory, deceased. Filed July 2, 1921. Serial No. 482,090. 6 Claims. (Cl. 123—174.)



1. In a cooling system, the combination with a liquid cooling jacket having a top outlet, of a surface condenser comprising distributed condensing surfaces, a connection from said outlet to the upper portion of the condenser for passing liquid and vapor into the latter, means within the condenser for diverting liquid away from the condensing surfaces and a pump for passing liquid from the bottom of the condenser into said jacket.

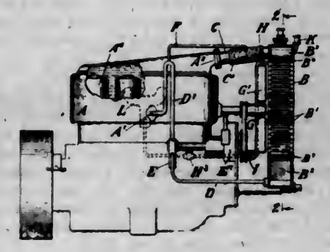
1,480,281. CONDENSER FOR ENGINE-COOLING SYSTEMS. HARRY C. MALLORY, New York, N. Y.; Sue R. Mallory administratrix of said Harry C. Mallory, deceased. Filed July 30, 1921, Serial No. 488,595. Renewed Dec. 6, 1923. 3 Claims. (Cl. 257—25.)

3. A condenser for an engine cooling system, comprising a shell and distributed condensing surfaces arranged therein to provide an upper inlet space, a lower hot well space, and channels leading downward past the condensing surfaces from the inlet space to the hot well, means for diverting liquid entering said inlet space into



said channels, and baffles in said channels arranged to retard and break up streams of liquid flowing downward through the channels.

1,480,282. ENGINE-COOLING SYSTEM. HARRY C. MALLORY, New York, N. Y.; Sue R. Mallory administratrix of said Harry C. Mallory, deceased. Filed Sept. 3, 1921. Serial No. 498,265. 8 Claims. (Cl. 123—174.)



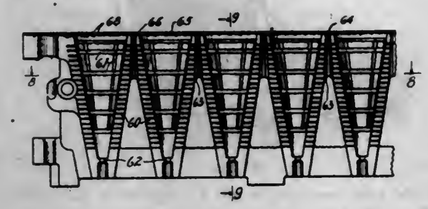
1. In an engine cooling system, the combination with an engine cooling jacket, of a surface condenser comprising a shell and distributed condensing surfaces therein interposed between an inlet chamber at the top of the condenser and a water space at the bottom of the condenser, a connection leading from the jacket to said inlet chamber, means for returning water from said water space to the jacket, an air outlet opening from the condenser adjacent to its top and a baffle in said condenser interposed between said inlet chamber and said air outlet, said baffle, air outlet and condensing surfaces being so relatively disposed as to compel air or vapor passing to said outlet from said inlet chamber to follow an elongated path of flow through which said condensing surfaces are interspersed.

1,480,283. ROOFING STRUCTURE. AUGUST MEYER, Hicksville, N. Y., assignor of one-half to William A. Kielmann, Hicksville, N. Y. Filed Jan. 12, 1922. Serial No. 528,664. 1 Claim. (Cl. 108—10.)



A roofing structure comprised of a plurality of cooperating pairs of elements, each of said elements being provided with a central projecting rib extending longitudinally the full length of the element, a reduced portion extending alongside of and projecting laterally from said rib, and a downwardly projecting lug adapted to be engaged over a purlin to hold said elements in position, said reduced portions having one of the faces thereof inclined, and said central rib and inclined faces of the respective members of each pair of elements facing in opposite directions and being so proportioned that said elements may be arranged in substantially horizontally extending series with the longitudinally extending edges of said ribs and reduced portions in contacting engagement, whereby the outer surfaces of said elements will be in a common plane.

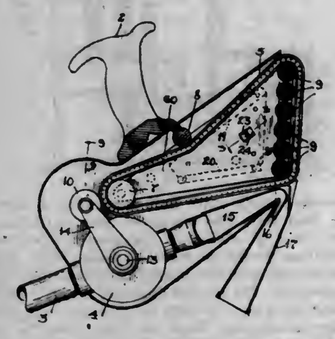
1,480,284. ICE-CREAM-CONE MACHINE. CHARLES MIGNEREY, Union Course, N. Y., assignor to Consolidated Wafer Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 17, 1921. Serial No. 492,905. 11 Claims. (Cl. 107—58.)



1. In an ice-cream cone machine two rows of coacting cone sections, stiffening means extending longitudinally along the outer side of each cone section, and means for pressing the said stiffening means snugly against the central portion of the said side.

10. In an ice-cream cone machine a plurality of banks of cores arranged to revolve about a common center, a scraper pivotally associated with each bank of cores and revolving therewith, and means for moving the edge of each scraper across the open ends of the molds with which the scraper is associated after the baked cones are removed from the cores.

1,480,285. PORTABLE SANDING MACHINE. ROBERT A. MOORE, Detroit, Mich. Filed Dec. 31, 1917. Serial No. 209,756. 3 Claims. (Cl. 51—170.)

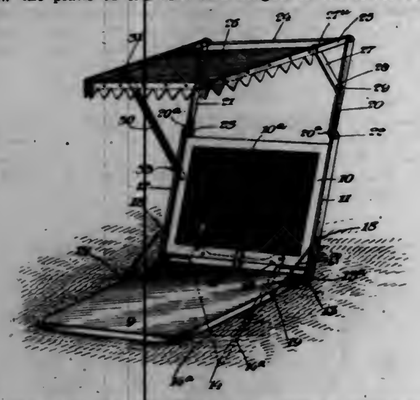


1. In a machine of the character described, the combination of a casing, a motor therein, a roller operated by said motor, a frame removably mounted therein, a series of spaced rollers on said frame, an endless belt mounted around said rollers on said frame and removable therewith, and means adapted to lock said frame in said casing with said belt in operative relation with said first named roller.

1,480,286. SAND OR OUTING REST OR THE LIKE. ALICE MORGANSTERN, New York, N. Y. Filed Jan. 16, 1923. Serial No. 612,935. 5 Claims. (Cl. 155—153.)

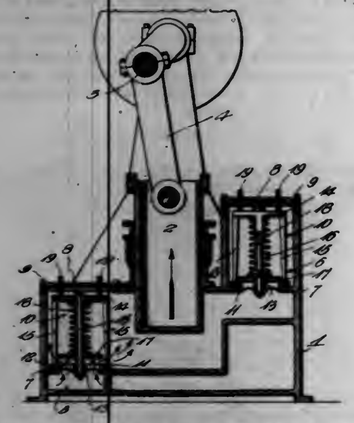
1. In a seating device the combination of a seat, a back rest hinged thereto, flexible means connecting said

back rest and seat, a wedge-shaped anchor extending below the plane of the seat and hinged to the lower edge



of said back rest, and means for releasably maintaining said anchor and back rest against relative movement.

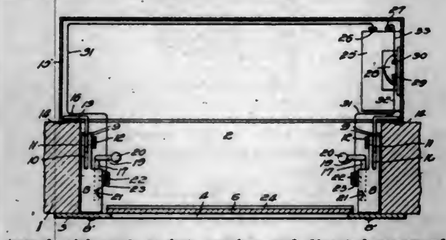
1,480,287. REMOVABLE CHECK VALVE. FRANK M. MORTON, Phenix City, Ala. Filed Nov. 25, 1921. Serial No. 517,656. 1 Claim. (Cl. 251—144.



A removable check valve unit comprising a valve cage having a head plate and elongated arms extending from said head plate, a valve seat engaging the free ends of said arms and having a central opening and fluid passages about the central opening, a connecting bolt extending axially of the cage and passing through the center of the head plate and through the central opening of said valve seat to securely hold the valve seat in contact with said arms, a check valve freely slidable upon said bolt between said head plate and valve seat, and a spring coiled about said bolt having one end engaging said head plate and the other engaging said check valve to yieldably hold the check valve in engagement with said valve seat and close the fluid passages thereof.

1,480,288. LETTER PLATE FOR DOORS AND MAIL BOXES. GEORGE D. MURRAY, St. Louis, Mo. Filed July 21, 1920. Serial No. 397,977. 1 Claim. (Cl. 200—57.)

In a mail alarm structure, a mail box, a plate having a hinged mail slot flap fixed to a door having a slot therein, a bridging conductor fixed to the rear face of the flap and extending from end to end thereof, a socket member fixed at its forward end to the flap plate adjacent the end of the flap, a pair of conductors directed rearwardly therefrom and provided with an upwardly and inwardly directed arm provided with a spherical contact head, means for longitudinally and rotatably adjusting said conductor arms with relation to its respective socket member and the flap conductor strip, a bifurcated arm in-

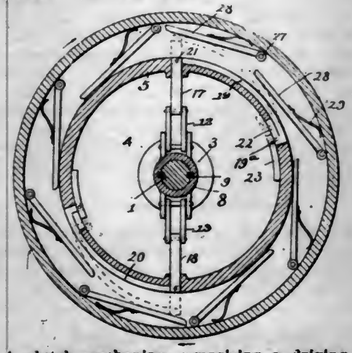


tegral with each socket member and directed rearwardly therefrom, a pair of L-shaped supporting arms fixed at their rear ends to the mail box and adjustably fixed at their forward ends to the bifurcated arms of the socket member for adjustably supporting the mail box with relation to the inner face of the door, said flap conductor strip when raised to contact with the spherical heads of the conductor arms.

1,480,289. METHOD OF IMPREGNATING CLOTHES AND THE LIKE AS A PROTECTION FROM MOTHS. ERWIN NAEFE, Berlin-Britz, Germany. Filed Sept. 5, 1922. Serial No. 586,326. 2 Claims. (Cl. 167—6.)

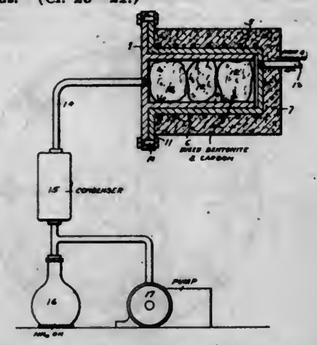
1. A method of impregnating clothes, upholstered furniture, furs, tapestry and the like as a protection from moths, consisting in applying to them by means of a spraying device or the like, an alcoholic solution of antimony-tannate, substantially as set forth.

1,480,290. CLUTCH MECHANISM. OSCAR T. NELSON, Cleveland, Ohio, assignor to Christian A. Barnholth, Akron, Ohio. Filed Oct. 9, 1920. Serial No. 415,928. 5 Claims. (Cl. 192—58.)



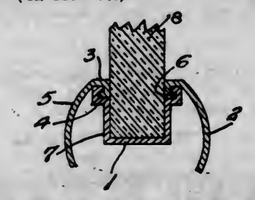
5. A clutch mechanism comprising a driving member and a driven member having laterally extending cylindrical flanges, the flange of one member being concentric with the flange of the other member, a closure member rotatable with one of said flanged members and cooperating with said flanged members to form an outer annular closed chamber and an inner chamber, both chambers being adapted to be filled with liquid, vanes pivoted adjacent the outer flange and bearing against the inner flange, a radially movable gate slidably mounted in the inner flange and adapted to be moved into the annular chamber, means within the inner chamber for shifting said gate, and means extending through said closure member for operating said shifting means.

1,480,291. PROCESS FOR OBTAINING NITROGEN FROM THE AIR. WILBUR ARMISTEAD NELSON, Nashville, Tenn. Filed July 13, 1923. Serial No. 651,258. 7 Claims. (Cl. 23—21.)



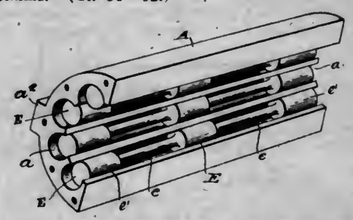
1. The herein described process which consists of heating a mass of moisture-bearing clay and carbon, passing a current of air in contact therewith thereby forming ammonia and condensing the water vapor which absorbs the ammonia whereby ammonium hydroxide is recovered.

1,480,292. WINDSHIELD TUBING. HUGO NEUMAN, Detroit, Mich. Filed Feb. 21, 1921. Serial No. 446,721. 2 Claims. (Cl. 189—77.)



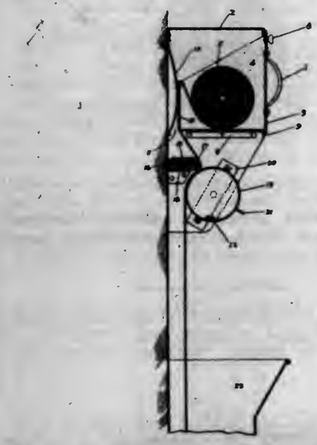
1. A device of the class described comprising a channel member adapted to receive an edge of a transparent member, the edges of said channel member extending inwardly, and a tube enclosing the channel member and having inwardly extending portions return-bent around the inwardly extending edges of said channel member.

1,480,293. ROLLER BEARING. FRANK O. NORRIS, Baltimore, Md. Filed Feb. 16, 1922. Serial No. 536,999. 3 Claims. (Cl. 64—62.)



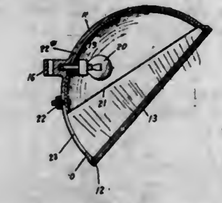
1. A roller bearing comprising a non-rotating cylindrical body composed of separable substantially semi-cylindrical parts each having in its inner bearing surface a circularly spaced series of longitudinal grooves which are interiorly enlarged or widened in circular form so as to provide open fronts of reduced width, a series of independent rollers inserted endwise within said grooves and having their peripheries projecting slightly through said open fronts and adapted to anti-frictionally bear upon the entire bearing surface of the periphery of a shaft journaled therein, and removable means at one end of said body to prevent the withdrawal or endwise movement of said rollers.

1,480,294. TOWEL CABINET. ALBERT L. OVERHOLT, Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed July 15, 1921. Serial No. 484,843. 15 Claims. (Cl. 45—32.)



9. A towel holder comprising means for holding a web of towel so that portions may be fed off by pulling on the towel in a certain direction, and means for automatically gripping the towel as it is fed in the same direction, said gripping means preventing the further feed thereof when a predetermined length of towel has been delivered until said gripping means is re-set, said gripping means including a stationary member and an oscillating member, substantially as described.

1,480,295. SIDE LAMP FOR VEHICLES. WILLIAM F. O'CONNOR, Tariffville, Conn., assignor to Robbins, Gamwell & Company, a Copartnership composed of Eugene H. Robbins, Richard H. Gamwell, and Loring G. Robbins, all of Pittsfield, Mass. Filed June 24, 1920. Serial No. 391,444. 1 Claim. (Cl. 240—44.)

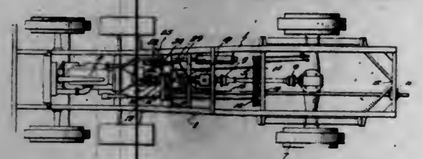


A side lamp for a vehicle, including a substantially semi-spherical casing with a window and having on its interior a fixed socket disposed toward the center of the window, an approximately semi-spherical reflector movable on the inner surface of the wall of the casing surrounding the socket, said reflector having a slot through which the socket is disposed to allow the reflector to be adjusted upwardly and downwardly, and a handle protruding from the reflector through a slot in the casing so that the reflector may be manually adjusted from the exterior of the casing.

1,480,296. TRUCK. ELMER H. OVERSMITH, Buffalo, N. Y., assignor to The Buffalo Truck & Tractor Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 21, 1920. Serial No. 383,050. 6 Claims. (Cl. 180—70.)

1. In a motor vehicle, the combination with the engine and the transmission gearing connected thereto, of a drive shaft, an auxiliary transmission gearing between

said drive shaft and first mentioned transmission gearing and supported independently of said first-mentioned transmission gearing, a power transmission gearing intermediate said first-mentioned transmission gearing and



auxiliary transmission gearing and mounted independently thereof, and means for selectively driving either said power transmission gearing or auxiliary transmission gearing from said first-mentioned transmission gearing independently of each other.

1,480,297. FLUID-PRESSURE-CONTROLLING MEANS. ARTHUR A. PARKER, Portland, Oreg. Filed Dec. 28, 1922. Serial No. 609,498. 10 Claims. (Cl. 50—11.)



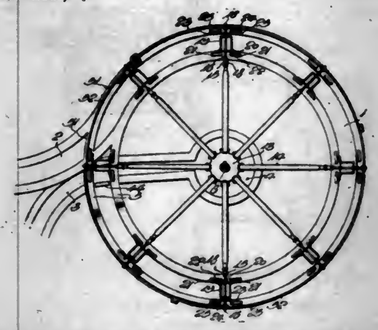
1. A device of the character described, comprising a chamber provided with an inlet port and an escape port, the inlet port being adapted to be connected with a source of fluid under pressure, valves controlling said ports respectively, a member movable in said chamber by the pressure in the latter, means between such member and said valves adapted to position the latter relatively to the position of said member, said chamber provided with an outlet orifice, a tube connected thereto, a hose connection at the free end of said tube, said hose connection having an outlet bore, a valve controlling the latter.

1,480,298. BEZEL. GEORGE A. PEARSON, Chicago, Ill. Filed Oct. 14, 1922. Serial No. 594,665. 2 Claims. (Cl. 156—14.)



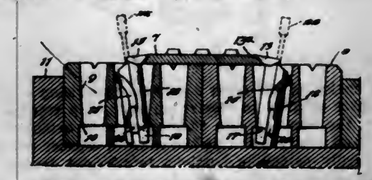
1. A device of the character described, comprising a pair of annular bands of thin resilient sheet metal, the one band being tapered and provided at one edge with an outwardly disposed peripheral flange, the other band being of substantially uniform diameter and provided at one edge with an outwardly disposed flange, said bands adapted to telescope yieldingly, with the flanges engaging opposite sides of a panel, and a flexible diaphragm within the first mentioned band adapted to be held in place through contraction of said band induced by the telescoping of the bands.

1,480,299. WATER-POWER PLANT. GEORGE W. PRISBREY, St. George, Utah, assignor of thirty-four seventy-seconds to Wicks Larson & Co., St. George, Utah. Filed Aug. 7, 1922. Serial No. 580,167. 11 Claims. (Cl. 170—116.)



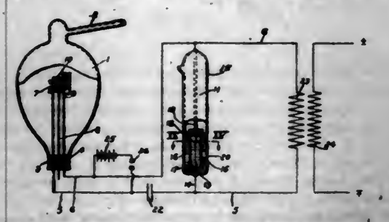
1. A current motor comprising a substantially circular trough open at its ends and pitched at a downward incline from its inlet end to its outlet end, a bridge extending upwardly from the outlet end portion of the trough to the inlet end portion thereof, a rotatable operating element, arms radiating from said operating element, carriages carried by said arms and moving upon said trough, and paddle elements carried by said carriages for extending into said trough whereby water flowing through the trough may impart movement to said carriages.

1,480,300. PRINTING APPLIANCE. JOHN P. QUIGGAN, Brooklyn, N. Y. Filed May 26, 1923. Serial No. 641,566. 7 Claims. (Cl. 101—385.)



1. A clamping device for printing plates comprising a shank having a plate-engaging jaw formed at one end thereof, a shoulder on the other end of said shank adapted to engage a part of the plate support, an element mounted for movement on said shank adjacent to the jaw-end thereof, and positively actuated means contained within said shank for controlling the movement of said element.

1,480,301. FURNACE. HARVEY C. RENTSCHLER, Pittsburgh, Pa., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 13, 1920. Serial No. 430,118. 34 Claims. (Cl. 204—64.)



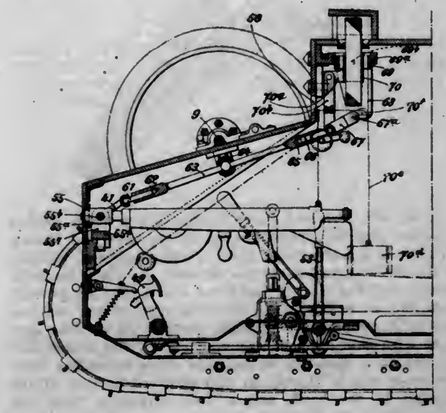
1. A furnace comprising a chamber having an inert environment, an induction coil within said chamber and adapted to heat a resistor and means for passing high-frequency current through said coil.

1,480,302. FOUNTAIN DRAWING PEN. ERNST RICHARD GUSTAV ALBERT RÖSLER, Hamburg, Germany, assignor to the Firm of Simplo Füllfeder Gesellschaft Voss, Lansen & Dziambor, Hamburg, Germany. Filed Mar. 12, 1923. Serial No. 624,610. 6 Claims. (Cl. 120—109.5.)



1. A fountain drawing pen comprising a fountain, a tube communicating with the fountain and having an oblique opening at its end adapted to impinge against the inside of one of the shanks of the drawing pen, a set screw screwed into the other shank of the pen and adapted to engage the said tube to press its end against the first named shank.

1,480,303. MILITARY VEHICLE. IRÈNE ROY, Paris, France. Original application filed June 28, 1920, Serial No. 392,308. Divided and this application filed July 14, 1921. Serial No. 484,754. 3 Claims. (Cl. 89—40.)



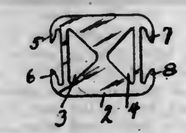
2. In a motor vehicle, the combination of an armoured body, a gun adapted to be pointed by hand and mounted for universal movement, a periscope, a pivoted support for the said periscope adapted to allow horizontal turning and vertical tilting movement, and an articulated system formed of rigid rods connecting the gun with the periscope and adapted to maintain the periscope in the direction of firing.

1,480,304. RAMMER. ANTON SALIGER, St. Louis, Mo. Filed July 5, 1921. Serial No. 482,302. 9 Claims. (Cl. 22—187.)



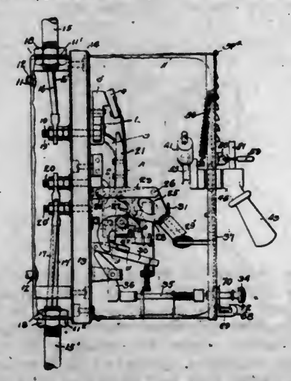
1. A rammer-head comprising a body member and an impact piece therefor, said body member and said impact piece being formed with mating undercut portions, whereby they are detachably secured together.

1,480,305. GARTER. SUSANA A. SCHECK, San Francisco, Calif. Filed May 2, 1922. Serial No. 557,884. 2 Claims. (Cl. 24—74.)



1. A garter fastener comprising a plate having two openings therein and having two oppositely placed prongs at each end whereby the ends of a garter tape may be passed through the two openings and then under the prongs to secure the garter in a desired adjustment.

1,480,306. ELECTRICAL-SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed Oct. 2, 1919. Serial No. 328,056. 42 Claims. (Cl. 200—107.)



2. In a resetting mechanism for circuit breakers and other switches, a switch, an operating lever therefor, a box enclosing the switch and having a movable cover, a resetting mechanism for the switch carried by the cover and movable, when the cover is in closed position, through the path of movement of the operating lever, and wedge-fastening mechanism insuring complete closure of the cover and the operative positioning of the resetting lever.

42. The combination with movable contact structure and restraining means therefor, of an enclosing housing, resetting mechanism carried by said housing in detached relation to said contact structure and operable from the exterior of said housing for moving said contact structure to circuit closing position, means for preventing circuit closure by said contact structure when actuated by said resetting mechanism during existence of a predetermined electrical condition, means for locking said

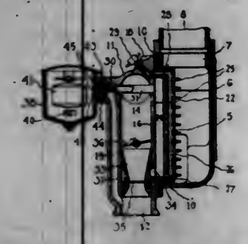
resetting mechanism to said housing, and manually operated tripping means independent of said resetting mechanism carried by said housing in detached relation to said restraining means for actuating said restraining means independently of said resetting mechanism to trip said contact structure.

1,480,307. LABEL FOR WOUND OR ROLLED FABRICS. FREDERICK W. SEATON, Lonsdale, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed May 3, 1923. Serial No. 636,372. 3 Claims. (Cl. 40—2.)



1. A label for cloth wound upon a holder, comprising a card-board label bearing portion having an exposed face for the label, a card-board leg portion to be inserted between a surface of the holder and the cloth wound thereon and having the part which extends beyond the end of the holder and edges of the cloth bent to provide a hinge leaf integral with the leg portion and connected to the leg portion by a line of fold of increased flexibility, and an adhesive connecting the outer surface of the hinge leaf to the back of the label bearing portion.

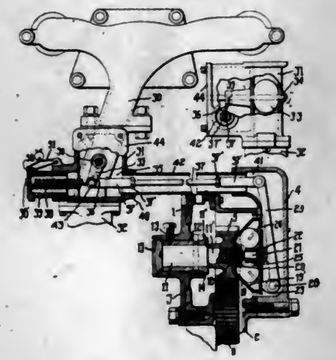
1,480,308. FUEL-SUPPLY DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES R. SHORT and CALEB E. SUMMERS, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 31, 1919. Serial No. 301,076. 22 Claims. (Cl. 261—12.)



1. In a carbureting device for internal combustion engines, a casing having an air inlet passage leading thereinto and a mixture outlet passage leading therefrom, a vaporizing chamber, means for heating said vaporizing chamber, means for supplying atomized liquid fuel to said vaporizing chamber to be vaporized therein, a passage leading from said vaporizing chamber and discharging into said air inlet passage, a passage leading from said vaporizing chamber and discharging into said casing, and a throttle valve for controlling the flow through said casing.

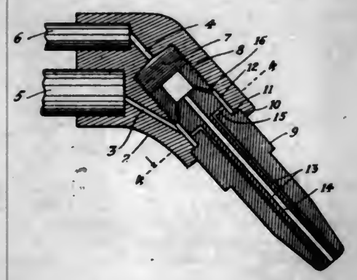
1,480,309. GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. CHARLES R. SHORT and ALEX TAUB, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 25, 1919. Serial No. 333,290. 2 Claims. (Cl. 264—8.)

2. In an internal combustion engine, an intake passage, a throttle valve for controlling the flow therethrough, an operating arm for said valve, a casing within which said arm is located and which casing is provided with an opening leading thereinto, a screw cap in threaded engagement with the wall of said casing, a spring connected at one end to said arm and the other end of which is connected with said screw cap, a removable cover for closing the opening aforesaid, a ball governor actuated by the engine, a lever actuated by said governor, a link intermediate the free end of



said lever and the free end of the operating arm for said valve, a tubular member surrounding said link, a hollow cover plate within which said link is housed and which cover plate provides a pivotal support for one end thereof and which casing fits over the governor aforesaid to thereby enclose the same.

1,480,310. CUTTING TORCH TIP. ELMER H. SMITH, Minneapolis, Minn. Filed May 12, 1919. Serial No. 296,490. 5 Claims. (Cl. 158—27.4.)

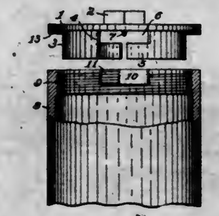


1. An oxy-acetylene torch comprising a head having a socket therein screw-threaded at its base and having an inter-fitting outer end and a portion enlarged relative to the screw-threaded portion between the screw-threaded portion and the inter-fitting outer end, a tip open at both ends and all in one piece screw-threaded at one end and having a peripherally enlarged portion inter-fitting gas-tight with said outer inter-fitting end of the socket said tip having a plurality of separate ducts extending from the outer end of the tip to said enlarged portion of the opening in the head, and a duct extending from the outer end of the tip entirely through the tip lengthwise thereof and opening into the socket in the head.

1,480,311. QUICK-REMOVAL COVER. JAMES H. STEBBINS, Waterloo, Iowa, assignor to George H. Quest and Sidney C. Smith. Filed Mar. 12, 1923. Serial No. 624,581. 4 Claims. (Cl. 137—13.)

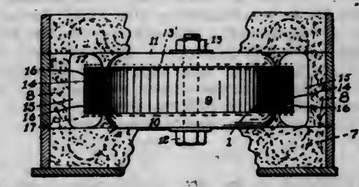
1. In combination, a container having an interiorly-threaded open end, a cross-bar having its opposite ends

threaded with the threads in mesh with the container threads, and a cover having projections depending into



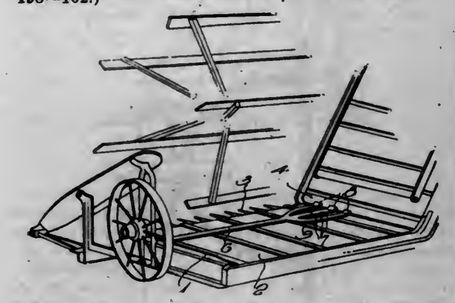
the container on opposite sides of said cross-bar, the projections each having a lateral opening to receive and interlock with the cross-bar releasably.

1,480,312. METHOD OF MAKING STATORS. HARRY F. STRATTON, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 26, 1922. Serial No. 577,702. 5 Claims. (Cl. 171—252.)



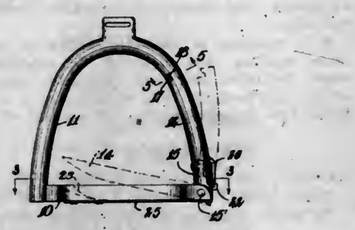
2. The method of making stators for induction motors with frames cast around the laminations which consists in forming a core containing an assembly of laminations, forming a mold with a molding space for the frame around the periphery of the core and adjacent portions of the sides thereof, and pouring molten metal into the molding space, yieldable material having been previously disposed in the molding space to receive strains due to the shrinking of the cast metal toward the core.

1,480,313. SHORT-GRAIN-HANDLING ATTACHMENT FOR BINDERS. THOMAS SVOBODNY, Svea, Minn. Filed Jan. 18, 1923. Serial No. 613,470. 4 Claims. (Cl. 198—102.)



1. The combination with a grain binder having the usual platform apron and elevator inclining therefrom; of a bar over the front portion of said apron and of negligible width with respect to the width of said apron, said bar extending from the outer end of the platform frame toward the elevator in rearwardly spaced relation with the front edge of said apron, the inner end of said bar having a plurality of horizontally spaced tines whose free ends turn upwardly to guide short grain onto said elevator.

1,480,314. SADDLE STIRRUP. BERNARD SZYMANSKI, Rawl, W. Va. Filed Jan. 3, 1922. Serial No. 526,517. 5 Claims. (Cl. 54—40.)



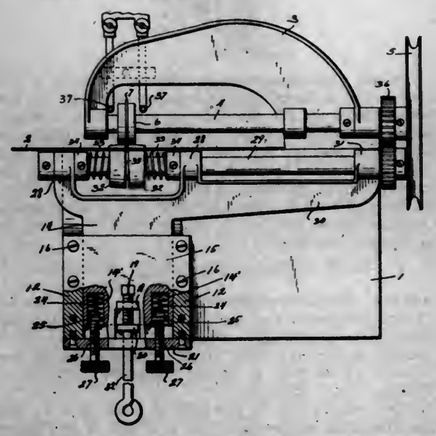
1. A stirrup comprising a bottom bar, a yoke section fixed to one end thereof, an arm extending along said bar and hinged to the opposite end thereof and having its top face flush with the top face of said bar, and a complementary yoke section having its base portion formed on and rigid with said arm.

1,480,315. MAGNETIC SEPARATOR. HERBERT HUBAND THOMPSON, Birmingham, and ALFRED EVAN DAVIES, Tanworth-in-Arden, England. Filed Sept. 30, 1921. Serial No. 504,433. 2 Claims. (Cl. 83—71.)



1. In a magnetic separator, a trough for the material to be separated provided at its bottom with magnetic surfaces, magnets arranged below the bottom of the trough and operating to magnetize the said magnetic surfaces, and a frame provided with stationary armature bars of magnetic metal arranged in the upper part of the trough and suitably distanced from the said magnetic surfaces below them, and energized by the said magnets.

1,480,316. SHOE MACHINERY. JAMES P. TIERNEY, Brockton, Mass. Filed Dec. 6, 1922. Serial No. 605,185. 8 Claims. (Cl. 12—96.)

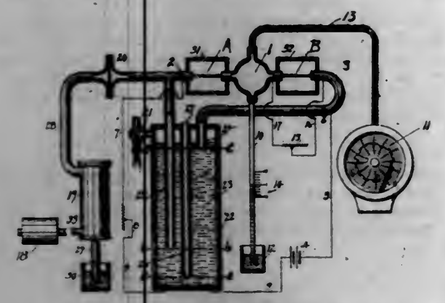


1. A machine of the class described comprising a table, a vertically movable slide positioned below the table, a shaft carried by the slide, rolls keyed to the shaft for rotation therewith but having movement lengthwise

of the shaft, means for urging the rolls one toward the other, a roll supported above the table, said table having an opening through which the under rolls are adapted to extend, and means for constantly urging the slide upwardly.

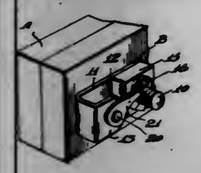
8. A machine of the class described comprising a table, coacting rolls supported for rotation above and below the table, said table having an opening through which certain of the rolls are adapted to extend, and a gauge arm extending across the opening of the table.

1,480,317. GAS-ANALYSIS APPARATUS. FRITZ FREDERICK UEHLING, Passaic, N. J. Filed Apr. 18, 1923. Serial No. 632,883. 17 Claims. (Cl. 23—3.)



1. In a combustible recorder, the combination with a chamber having an inlet and an outlet, means for passing gas through the same, means for heating the inlet and outlet, and means for measuring the tension of the gas in the chamber.

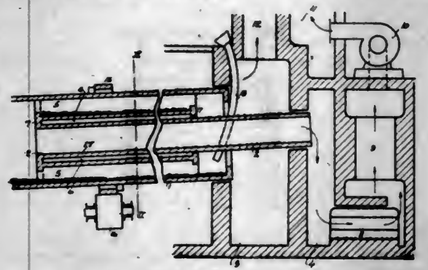
1,480,318. NUT LOCK. JOSEPH EMILE VALADE, Coaticook, Quebec, Canada. Filed May 13, 1922, Serial No. 560,807. Renewed Oct. 16, 1923. 2 Claims. (Cl. 151—13.)



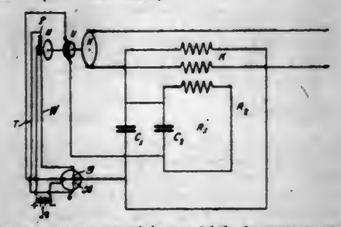
1. A nut lock comprising in combination with a bolt, a nut having a flange formed integral with the top face thereof, teeth on the top face of the nut, a U-shaped member having a long arm provided with an orifice designed to engage the bolt, and a short arm provided with a pin having three faces squared, a head on the pin, and a pawl pivotally mounted thereon engaging the teeth on the flange, the pawl being provided with orifices having a squared recess designed to engage the pin, as and for the purpose described.

1,480,319. ROTARY CEMENT-BURNING KILN. MIKAEL VOGEL-JÖRGENSEN and KRISTIAN MIDDELBOE, Frederiksberg, near Copenhagen, Denmark, assignors to F. L. Smidth & Co., New York, N. Y., a Corporaiton of New Jersey. Filed Jan. 6, 1923. Serial No. 611,201. 2 Claims. (Cl. 222—7.)

1. In a rotary kiln, a plurality of tubes open at both ends extending lengthwise of the kiln and of less length than the kiln arranged about a central tube adapted to serve as a flue for products of combustion from the burning zone of the kiln, means for drawing said products of combustion through said flue, the tubes surrounding the central flue having their upper ends in communication inside a chamber surrounding the central tube, said chamber being provided with an outlet for volatile products independent of the flue, and means for supplying material to be treated to the upper ends of said surrounding tubes.

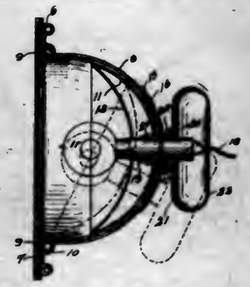


1,480,320. SPEED REGULATOR FOR HIGH-FREQUENCY MACHINES. GRAF GEORG VON ARCO, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie M. B. H., Hallesches Ufer 12/13 Berlin, Germany. Filed Oct. 25, 1922. Serial No. 596,861. 6 Claims. (Cl. 171—119.)



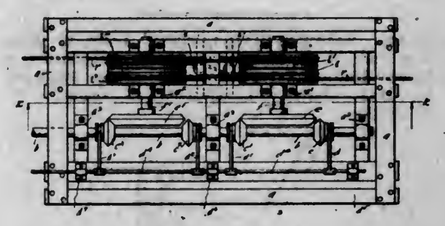
1. In a system comprising a high frequency generator, the combination of a rectifier driven synchronously with the generator, a resonant circuit supplied from the generator and connected to the rectifier, and means controlled by rectified current from said circuit for regulating the speed of the generator.

1,480,321. ADJUSTABLE SPOTLIGHT. MARTIN A. WALSH, Marmarth, N. Dak. Filed Sept. 28, 1922. Serial No. 591,072. 4 Claims. (Cl. 240—61.)



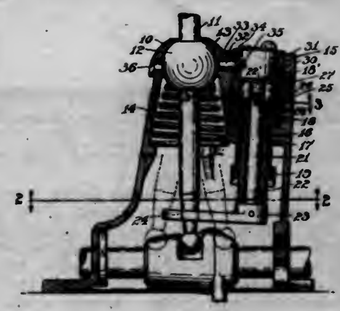
1. In combination with a vehicle having a windshield thereon, of a lamp within said vehicle comprising a retaining ring adapted to be held against the surface of said windshield, a housing rotatably supported by said ring and means for rotating said housing, said windshield adapted to serve as a closure for the housing and ring, a reflector associated with said housing for varying the direction of rays projected therefrom through said windshield, and means for securing said reflector in adjusted position with respect to the housing.

1,480,322. CABLE MECHANISM. FREDRICK C. WALTERS, Eugene, Oreg. Filed June 21, 1922. Serial No. 569,969. 8 Claims. (Cl. 74—21.)



1. A cable mechanism of the character described comprising, a frame, a pair of shafts journaled in the frame, two companion drums loosely mounted on each shaft, a cable running on said drums, releasable means adapted to connect operatively said companion drums individually with their respective shafts in either direction, automatic means restraining the operative connection of that one of two companion drums which, because of the reduction of its diameter by wear of the cable, revolves the faster, thereby permitting such faster drums to idle until the cable has worn the companion relatively slower drum to a traction diameter equal to that of the faster drum, and means for communicating power thru said shafts.

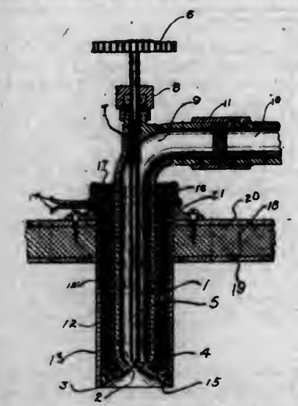
1,480,323. MOUNTING FOR GEAR-SHIFT LEVERS. SAMUEL O. WHITE, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Aug. 11, 1922. Serial No. 581,127. 13 Claims. (Cl. 70—128.)



1. A gear shift lever lock comprising a pedestal, a shifting lever mounted therein, a locking fork formed for separable interlocking engagement with the shifting lever, a shaft carrying said fork and journalled in the pedestal, a key-controlled lock pocketed in the pedestal in cooperative relation with said shaft and having a non-rotative engagement with said shaft, and a spring acting upon the shaft to hold the same axially in position in the pedestal.

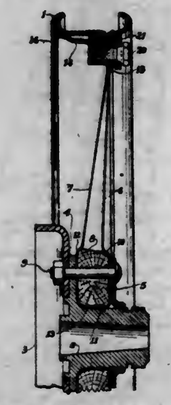
1,480,324. LIQUID ATOMIZER. RUSSELL A. WILLSON, Spokane, Wash., assignor of one-half to Fred N. Martin, Spokane, Wash. Filed Oct. 18, 1921. Serial No. 508,568. 1 Claim. (Cl. 299—107.)

The combination with an enclosure wall of an atomizer including a nozzle having a restricted end opening and outwardly flaring head, an external attaching flange on said head, a casing secured to said flange and forming a space around the nozzle, an electric heating element with-



in said space, an insulating medium between said element and casing, and a head closing the opposite open end of said casing.

1,480,325. DOUBLE-DISK WHEEL FOR AUTOMOBILES. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed June 4, 1920. Serial No. 386,448. 3 Claims. (Cl. 301—63.)

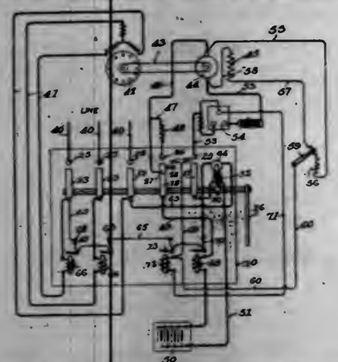


2. The combination with an annular felloe member having at one side a broad, plane, annular, inwardly-extending flange, of two disks having plane peripheral zones overlapping each other and said flange and bent laterally in contact with the inner side of said member, means rigidly uniting said zones at short intervals, said means securing the united zones to said flange, and means for detachably securing rim-attaching wedges to said flange and zones.

1,480,326. CONTROLLING APPARATUS FOR BATTERY-CHARGING MOTOR-GENERATOR SETS AND METHOD OF STARTING OPERATION OF THE SAME. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1920. Serial No. 369,990. 6 Claims. (Cl. 171—314).

1. The combination of a motor, a generator, a storage-battery and a source of power, a circuit including said motor and source of power, a circuit including said generator and storage battery, switch members in said

circuits, a single means for holding said switch members in circuit-closing position, and means automatically op-



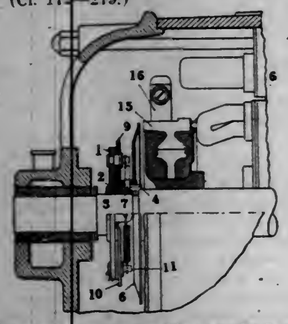
erable by adverse current conditions in either circuit for actuating said holding means to release all of said switch members.

1,480,327. AEROPLANE WING. OSCAR H. WISENANT, Colorado Springs, Colo. Filed May 10, 1920. Serial No. 380,250. 3 Claims. (Cl. 244—31.)



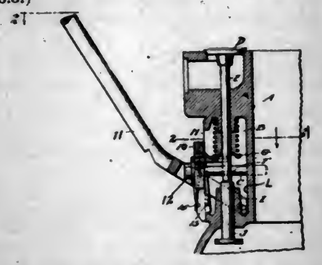
3. In an aeroplane wing a pocket formed in one face extending longitudinally of the wing but of less length than the wing, said pocket concaved relative its longitudinal axis and having end faces substantially perpendicular to the plane of the wings.

1,480,328. SHORT-CIRCUITING MECHANISM. CARL H. WOLFF, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Jan. 19, 1923. Serial No. 613,629. 4 Claims. (Cl. 172—279.)



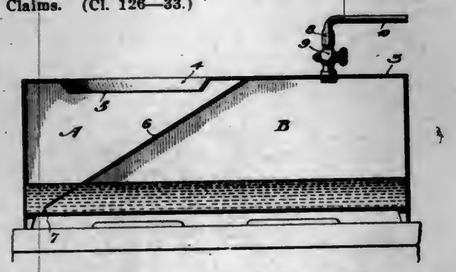
4. In a dynamo electric machine provided with a commutator having a vertical face, a circuit closing disk supported for sliding motion into contact with the commutator, and capable of tilting with respect to its support to adjust itself to the commutator face, means to prevent tilting of the disk when it is in retracted position, and centrifugal means for actuating the disk.

1,480,329. VALVE-SPRING LIFTER. LOUIS M. WOOD, New York, N. Y., assignor, by mesne assignments, to Speed-O-Multiple Valve Lifter Corporation. Filed Feb. 28, 1922. Serial No. 539,993. 22 Claims. (Cl. 29—86.3.)



1. A valve spring lifter comprising a bar adapted to engage the under sides of a plurality of valve spring seats, means for lifting said bar and compressing the springs, and resilient locking means carried by said bar for retaining the same in lifted position and the springs under compression.

1,480,330. STEAMER. LEROY SAXON WORSLEY, Tampa, Fla. Filed Jan. 23, 1923. Serial No. 614,481. 4 Claims. (Cl. 126—33.)

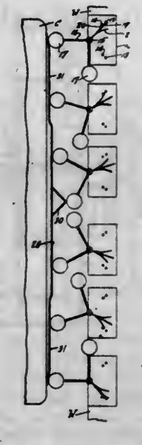


1. A steamer comprising a casing having a top wall and being arranged to have heat applied to the bottom thereof, and a partition dividing the interior of said casing into a filling-chamber and a steam-chamber and extending in downwardly-inclined disposition from the top wall of said casing toward the bottom and under said filling-chamber, there being a passage in the lower portion of the steamer affording communication between said chambers, a filling-opening to said filling-chamber in the top wall of said casing, and a steam-outlet from said steam-chamber.

1,480,331. ELEVATOR SYSTEM. GEORGE R. ZORN, Baltimore, Md., assignor to General Elevator Company, Baltimore, Md. Filed Dec. 20, 1922. Serial No. 608,016. 13 Claims. (Cl. 187—29.)

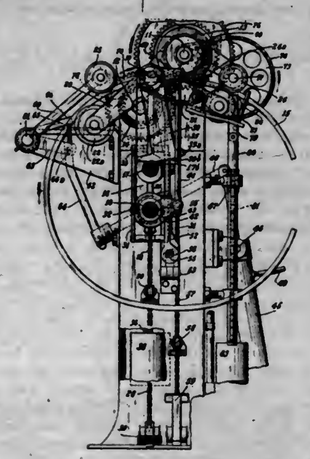
5. The combination with an elevator well, a motor driven elevator within the well and a control switch for the motor mounted upon the well embodying a main blade and a pair of auxiliary blades, pairs of spaced contacts adapted for alternate engagement by said main blade and one of said auxiliary blades or said main blade and the other of said auxiliary blades, said auxiliary blades remaining in engagement with their contacts subsequently to the disengagement of the main blade from the associated contact of the pair, of a car

carried cam having a body portion operatively engaging said switch to shift the blades thereof to a point where they disengage from their contacts and upon its ends with portions adapted to operatively engage the switch



to shift the blades to a position disengaging the main blade from its engaged contact and maintaining the auxiliary blade in engagement with its engaged contact, said body portion being adjustable as to length.

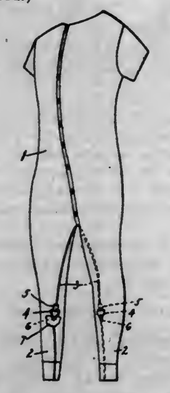
1,480,332. ABRADING MACHINE. ROBERT R. AMBLER and GEORGE F. WILSON, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1922. Serial No. 551,467. 17 Claims. (Cl. 51—88.)



1. In an abrading machine for a resiliently flexible strip of material, the combination of a pair of abrading wheels spaced apart longitudinally of the work, said wheels being adapted simultaneously to abrade respective faces of the work as the latter passes between them, a work-engaging roller spaced from said wheels longitudinally of the work and so positioned as to cause the work to be progressively flexed against said wheels as it passes between them, driving means for said abrading wheels, and means associated with said driving means for causing the work to pass said wheels at a determinate, uniform speed with relation to the speed of said wheels.

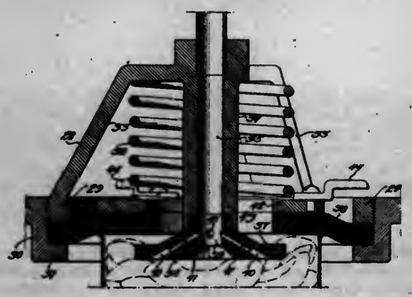
2. In an abrading machine for a resiliently flexible, annular article, the combination of a pair of overhanging abrading wheels spaced apart longitudinally of the work, said wheels being adapted simultaneously to abrade respective faces of the work as the latter passes between them, and a work-supporting and guiding structure pivotally mounted adjacent said wheels and on an axis substantially parallel thereto, said structure being adapted in one angular position on its pivot to hold an annular article hung thereon with an upper reach of the article passing between but out of contact with said wheels, and in another angular position to hold the article flexed against both of said wheels.

1,480,333. UNION SUIT. DAVID ATWATER, Westfield, Mass. Filed Apr. 25, 1922. Serial No. 556,492. 4 Claims. (Cl. 2—144.)



4. As an improved article of manufacture, a full-length union suit having seams on the insides of the legs thereof, looped tabs attached above the loops therein to the said legs across said seams, hose-engaging clasps having their top parts passed through the loops in said tabs, and hose-engaging buttons attached to said legs across said seams below said tabs.

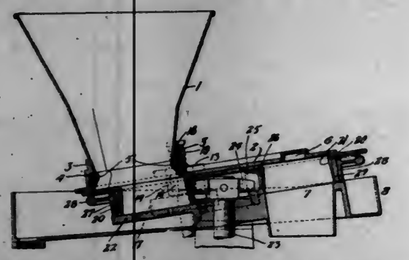
1,480,334. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed May 6, 1922. Serial No. 558,866. 3 Claims. (Cl. 226—98.)



1. In a can filling machine, a tank having a discharge port; a depending annular flange surrounding the port and having an inwardly projecting annular shoulder, a disk mounted centrally of the port and having a flat

portion on its upper side; an elastic ring seated upon the annular shoulder and the disk; a housing having its base upon the outer part of the elastic ring, and a spring mounted in the housing and normally holding the elastic ring in its closed position.

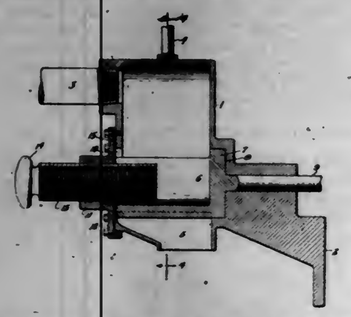
1,480,335. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Feb. 27, 1923. Serial No. 621,527. 6 Claims. (Cl. 226—72.)



1. In a can filling machine, the combination with traveling measuring receptacles of a plate carrying a hopper and having a pivot, adjacent one edge, connecting it with the frame, and means for swinging the plate to and fro, with the discharge opening of the hopper over the measuring receptacles, with said pivot as an axis.

2. In a can filling machine, a plate carrying a hopper and a yielding compression member disposed under the throat of the hopper.

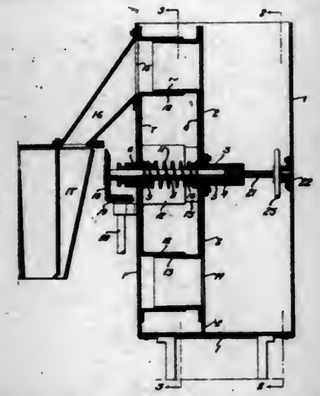
1,480,336. ROTARY MEASURING VALVE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Feb. 27, 1923. Serial No. 621,529. 1 Claim. (Cl. 221—107.)



A liquid measuring device consisting of a liquid receptacle; a U-shaped valve having one end seated in a circular recess in the wall of the casing and the other in a circular opening in said wall; a threaded collar having a flange partly closing the opening; a threaded plunger taking through the collar, and means for rotating the valve.

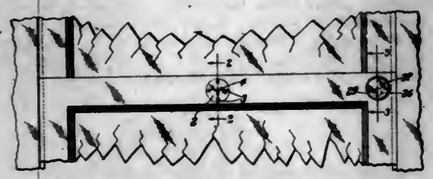
1,480,337. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Mar. 3, 1923. Serial No. 622,662. 3 Claims. (Cl. 221—97.)

1. Liquid measuring apparatus including a tank having a discharge opening; a measuring wheel mounted to rotate therein in a vertical plane and consisting of sections having corresponding series of telescoping sleeves with open ends; means for closing one end of the sleeves in the upper arc of rotation of the measuring wheel; means for closing the other end of the sleeves during said upper arc of rotation, except when in regie-



try with the discharge opening; means for adjusting the wheel sections relatively to each other to vary the capacity of the sleeves, and means for imparting rotation to the measuring wheel.

1,480,338. SASH LOCK. ALLAN H. BACON, St. Louis, Mo. Filed Dec. 5, 1921. Serial No. 519,824. 5 Claims. (Cl. 70—14.)

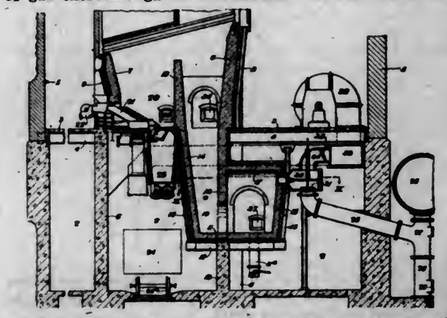


1. The combination with the adjacent horizontal members of upper and lower window sashes; of a lock for said members comprising a barrel mounted in the horizontal member of the lower sash, threads in the outer end of said barrel opposite the lower horizontal member of the upper sash, a stem mounted in said barrel of smaller diameter than the internal diameter of said threads, an enlarged threaded portion on the outer end of said stem arranged to engage with said threads, a flange near the outer end of said stem arranged to abut against the threads to prevent further outward movement of said stem, a barrel embedded in the lower horizontal member of the upper sash arranged to be alined with said barrel in the lower sash, threads in said second barrel arranged to engage the threads on said stem, and means for turning said stem to cause the threads thereon to pass wholly out of the first-named barrel and entirely within the second named barrel leaving the unthreaded portion of said stem entirely within the first-named barrel and said flange against the outer ends of the threads in the first-named barrel.

1,480,339. COMBINATION GAS AND COAL FIRED FURNACE. BRYANT BANNISTER, Pittsburgh, Pa. Filed Sept. 8, 1920. Serial No. 408,905. 5 Claims. (Cl. 110—22.)

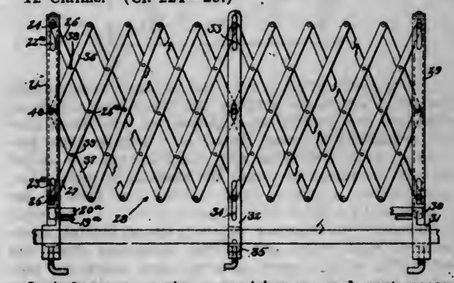
1. A combined coal and gas fired boiler furnace comprising in combination, a coal combustion chamber above the floor level, a back wall along the rear end of said chamber and extending upwardly an appreciable distance

so as to direct the products of combustion from said chamber against the boiler being heated, a gas combustion chamber located materially below the floor level at a point to the rear of said back wall, said chamber having an ignition wall therein for retarding the passage of gas therethrough until combustion is established, the



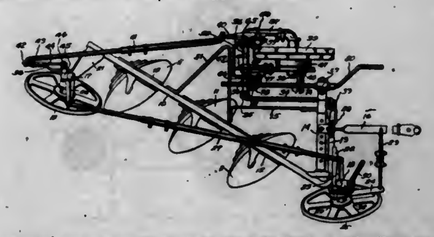
portion of said gas combustion chamber beyond said ignition wall being of constantly increasing cross sectional area towards the boiler to provide for the expansion of the gas as combustion takes place, and means for supplying air and gas to said gas combustion chamber.

1,480,340. LUGGAGE CARRIER. LOUIS I. BECKWITH, Boston, Mass. Filed Jan. 30, 1922. Serial No. 532,805. 12 Claims. (Cl. 224—29.)



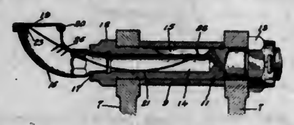
8. A luggage carrier comprising an end post, means for securing said post to the running board of an automobile, a hinge bar, means for pivotally connecting said bar and post comprising elements extending substantially at right angles to the length of the bar, said elements having journal openings therein, and a luggage retainer device having one end thereof secured to said bar.

1,480,341. LIFTING MECHANISM FOR POWER-LIFT PLOWS. DAVID A. BIEBINGER, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 8, 1920. Serial No. 429,220. 2 Claims. (Cl. 97—73.)



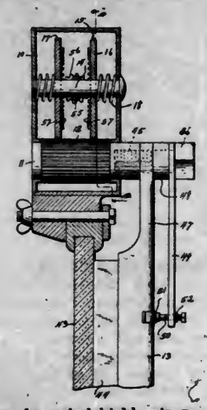
2. In a plow of the class described, a vertically movable main frame adapted to support one or more furrow turning elements; an auxiliary frame carried by said main frame; brackets carried by said auxiliary frame; an oscillating lifting shaft supported in bearings carried by said brackets; means for adjusting said brackets relative to one another; a ground wheel carried by said lifting shaft; clutch mechanism operated by said ground wheel; and means intermediate said clutch mechanism and said main frame and through which said main frame is lifted by power derived from said ground wheel.

1,480,342. SHACKLE BOLT. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 13, 1922. Serial No. 543,365. 6 Claims. (Cl. 64—27.)



1. A shackle bolt having a passage extending longitudinally thereof, and a slot through which said passage communicates with the peripheral surface of the bolt; an oil cup communicating with said passage and through which oil may be supplied thereto; a cover pivotally connected with said oil cup for closing the same; and a curved and resilient reciprocating cleaning wire operating within said passage and the middle portion of which contacts with the interior thereof opposite said slot, one end of said wire being pivotally connected with said cover so as to be operated thereby and the other end thereof being held in place within said slot by the resilience of said wire, and which last mentioned end moves along said slot as said cover is operated.

1,480,343. WINDSHIELD WIPER. CHARLES M. BOLICH, Allentown, Pa. Filed May 24, 1922. Serial No. 563,327. 8 Claims. (Cl. 74—14.)

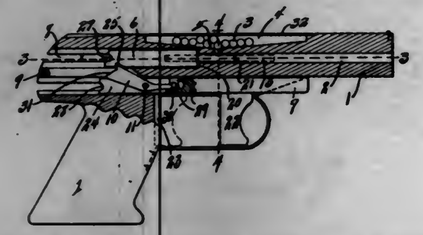


1. In a drive for windshield wipers, the combination with a geared wiper shaft, of a pair of synchronously rotatable mutilated gears engaged with the wiper shaft, means for oppositely rotating said gears embodying a drive shaft, and means connecting the drive shaft and gears for adjustably regulating the relative speeds thereof.

1,480,844. TOY PISTOL. LEVI M. BOWMAN, Fort Worth, Tex., assignor to Otto H. Lang, trustee, Dallas, Tex. Filed Dec. 16, 1922. Serial No. 607,321. 1 Claim. (Cl. 124—2.)

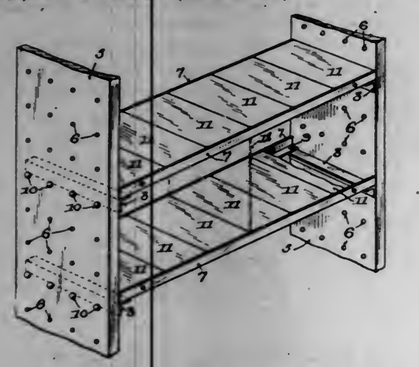
A toy pistol comprising a trigger plunger and a discharge plunger, a trip pivoted in said trigger plunger and operatively engaging said discharge plunger, elastic means

normally holding said trip in engagement with said discharge plunger, a frame for said plungers having a longitudinal bore therein forming a barrel for said discharge plunger and a longitudinal slot for said trigger plunger and having a magazine in the upper part for containing shot and for feeding shot one at a time to said barrel, means for preventing premature displacement of



a shot in said barrel, means for automatically releasing said trip from said discharge plunger when the trigger is forced backwardly by the operator, resilient means for actuating said discharge plunger when released from said trip, and means for restoring said trigger plunger to normal position and for causing said trip to engage said discharge plunger.

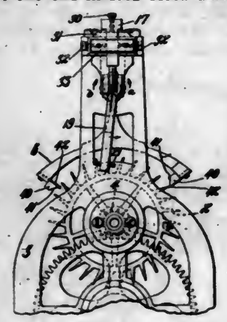
1,480,345. SHELF STRUCTURE. HARRY L. BRADLEY, Milwaukee, Wis., assignor of one-half to Lynde Bradley, Milwaukee, Wis. Filed Feb. 20, 1920. Serial No. 360,084. 2 Claims. (Cl. 211—27.)



1. A shelf structure comprising end supports, a plurality of shelf units each comprising longitudinal angle iron sections extending between and carried by said end supports and having their flanges extending repectively upwardly and inwardly and a series of transversely extending shelf boards having their ends seated on the inwardly extending flanges and confined between the upwardly extending flanges, certain of said shlef boards defining seating recesses therebetween, and partition members extending between the shelf units and having their edges engaged in said recesses.

1,480,346. ESCAPEMENT MECHANISM. CHARLES H. BRIGDEN, Waltham, Mass. Filed June 8, 1922. Serial No. 566,715. 4 Claims. (Cl. 58—123.)

1. In a mechanism of the class described, an escape wheel, a pallet shelf, a pallet carried by said shaft and cooperating with said wheel, a member having a pair of spaced arms at its outer end made fast to one end of said shaft, a block fixed between said arms adjacent their outer ends, a support having spaced arms straddling said block between the arms of said member, a pendulum, leaf springs forming the pivotal axis of said pendulum made fast to the arms of said support, and a leaf spring fixed at one end in said block and having its op-



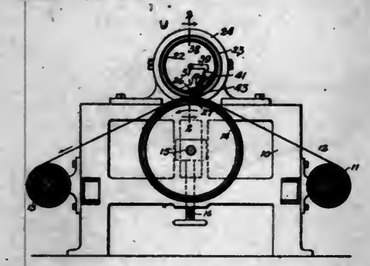
posite end in operative engagement with said pendulum and through which swinging impulses are imparted to said pendulum from said shaft.

1,480,347. BUCKLE. SOPHIE H. BROWN, Muskogee, Okla. Filed Mar. 9, 1923. Serial No. 623,905. 1 Claim. (Cl. 24—191.)



A buckle embodying a wire rod having a substantially straight intermediate portion, and the opposite ends of which rod are returned upon themselves into alined relation to constitute spaced trunnions, a locking plate provided at its lateral edges with tongues which are curled over the trunnions to mount the plate for pivotal movement thereon, a locking flange on the plate between the tongues and provided with a serrated edge eccentrically positioned with reference to the axis of pivotal movement of said plate, and prongs projecting from the under side of said plate and arranged along the free end thereof, said prongs being rounded and of relatively small cross section and adapted to impale the material with which the buckle is associated when the serrated edge of the locking flange is in locked relation with said material, whereby the material is doubly impaled, without cutting by the serrated edge and prongs.

1,480,348. FABRIC-PRINTING MACHINE. ERNEST CADGENE, Englewood Cliffs, and GEORGE DUPONT, Paterson, N. J. Filed Dec. 5, 1922. Serial No. 605,084. 18 Claims. (Cl. 101—120.)



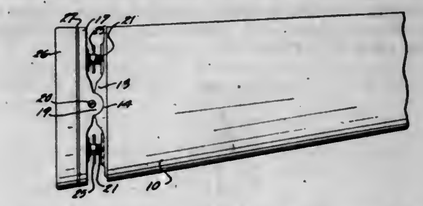
1. In a fabric printing machine, a stationary support, a stencil freely mounted for rotation thereabout, means exerting a pressure against said stencil for rotating the same, and other means exerting a pressure against said stencil in opposition to the first named pressure for insuring a uniform rotation of said stencil about said stationary support, and for evenly distributing a composition to a fabric to be printed which is passed between said stencil and the first named means.

1,480,349. ADJUSTABLE BOOT AND SHOE LAST. MYRON STANLEY CADWALLADER, Olean, N. Y. Filed Feb. 21, 1922. Serial No. 538,277. 6 Claims. (Cl. 12—128.5.)



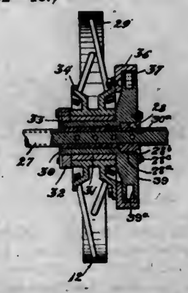
1. In a device of the class described, the combination of a frame provided with an apertured head and with a bifurcated extension, a sleeve in said bifurcated extension and provided at its inner end with an enlarged portion positioned between the bifurcated extension and the head, a rod threaded through said sleeve and head, toe jaws, means connecting said toe jaws to said rod, and a heel jaw adjustably mounted upon said frame.

1,480,350. GUN. GEORGE H. MARTIN, New York, N. Y., and ALBERT V. ARNOLD, Denville, N. J. Filed Nov. 7, 1921. Serial No. 513,267. 8 Claims. (Cl. 42—74.)



2. An attachment for gun stocks, comprising a base-plate arranged to be rigidly affixed to the rear end of a gun stock and having bearing parts, a shoulder pad pivoted to said base-plate and having bearing parts coacting with the bearing parts on said base-plate and means disposed on opposite sides of the bearing parts for bodily adjusting said shoulder pad pivotally on the base-plate.

1,480,351. RATCHET MECHANISM FOR AGRICULTURAL IMPLEMENTS. CHARLIE SANG, Castorville, Calif. Filed June 16, 1920. Serial No. 389,334. 1 Claim. (Cl. 192—46.)



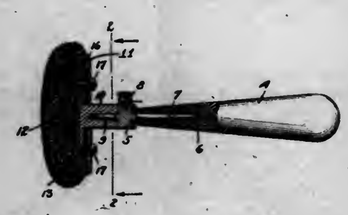
In a device of the character described, a rotatable axle, an axle sleeve keyed to the axle and provided at its outer end with an enlargement, a hub sleeve mounted on the axle sleeve and provided with a counterbore to receive the enlargement, said hub sleeve being provided with projecting arms, means for securing the enlargement of the axle sleeve to the arms of the hub sleeve, a wheel mounted on the hub sleeve, means secured to the hub sleeve and cooperating with the said arms for retaining the wheel in position on the hub sleeve, a ratchet ring carried by the wheel, and pawls pivotally mounted on the arms and engaging the ratchet wheel whereby rotation of the axle will be produced only upon rotation of the wheel in one direction.

1,480,352. METHOD OF RESTORING FABRICS AND REMOVING SHINE THEREFROM. GEORGE K. SUZUKI, Oakland, Calif., assignor of one-half to Elmer T. Cox, San Francisco, Calif. Filed Nov. 1, 1922. Serial No. 598,326. 3 Claims. (Cl. 8—8.)



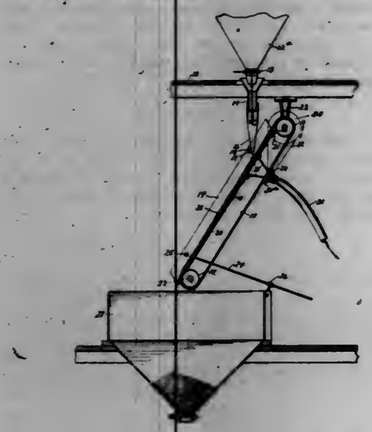
1. A method of restoring fabrics and removing shine therefrom, which consists in first impregnating the goods with a liquid which will moisten the goods and thereby swell the fiber and raise the nap, and then removing the shiny surface of the nap by rubbing the fabric with rubber containing an abrasive.

1,480,353. ELECTRODE. REINHOLD H. WAPPLER, Yonkers, N. Y., assignor to Wappler Electric Co., Inc., a Corporation of New York. Filed Jan. 19, 1921. Serial No. 438,298. 10 Claims. (Cl. 174—89.)



1. An electrode of the character described, comprising a holder, a pad member engaging said holder and made of such material as to become conducting when moistened, and a container enveloping said pad and made of conducting material, said container being in the form of a netting.

1,480,354. METHOD AND APPARATUS FOR REMOVING DUST FROM ROOFING GRIT. HENRY R. WARDELL, New York, N. Y., assignor to Staso Laminated Slate Company, Chicago, Ill., a Corporation of Massachusetts. Filed Sept. 16, 1919. Serial No. 324,169. 3 Claims. (Cl. 83—54.)



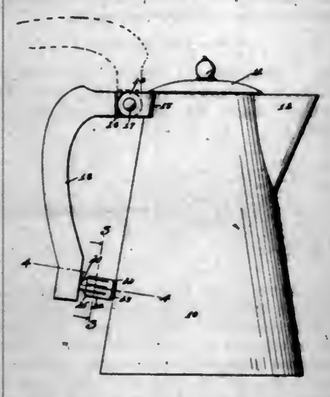
1. A method of separating pulverulent adhering matter from roofing grit, which consists of contacting the mass of grit and pulverulent matter with a moving adhering surface and thereby simultaneously causing said surface to polish and clean said roofing grit and causing the adherence of said pulverulent matter to said surface, and separately delivering said grit and said pulverulent matter from said surface.

1,480,355. HOLDER FOR TOOLS. OSCAR A. WEBSTER, Cranston, R. I., assignor to Allen Wrench & Tool Company, Providence, R. I., a Corporation of Rhode Island. Filed May 31, 1923. Serial No. 642,492. 2 Claims. (Cl. 279—91.)



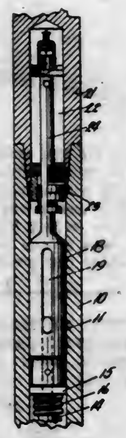
1. A tool holder having a body portion internally screw threaded and formed with a socket seat to receive the end of a tool shank, and a threaded cylindrical retaining nut having a helical opening through its side wall for the reception of the tool shank and adapted to be screwed into said body to bind the tool shank in its socket seat.

1,480,356. HANDLE FOR COOKING UTENSILS. FRANK C. WEGENER and JOHN F. LARSON, Des Moines, Iowa. Filed Jan. 25, 1923. Serial No. 614,773. 4 Claims. (Cl. 53—3.)



1. A cooking utensil provided with a handle having one end pivoted near the top of the utensil, means for yieldably holding the handle in an elevated position, a releasably connecting member for latching the lower end of the handle adjacent to the side of the cooking utensil.

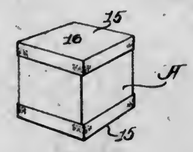
1,480,357. UNDERREAMER BLADE CHECK. ROBERT A. WILSON, Dallas, Tex. Filed Aug. 14, 1922. Serial No. 581,649. 8 Claims. (Cl. 255—75.)



1. In an underreamer blade check, the combination with a body structure and a relatively moveable mandrel and cutting blades carried by the mandrel, of means for checking a sudden relative upward movement of the body structure independently of the blades when the underreamer is moved thru its upward stroke.

1,480,358. FOLDING CARTON. GEORGE M. WIRTZ, St. Paul, Minn. Filed Sept. 10, 1918. Serial No. 253,478. 8 Claims. (Cl. 229—47.)

7. A carton of the class described which is adapted to be folded into a flat, thin state when collapsed, a body portion, a closure for said body portion, interlocking flaps formed on said body portion and closure and means secured to said flaps at the corners of said carton adapted to be concealed by said flaps to lock said flaps and carton



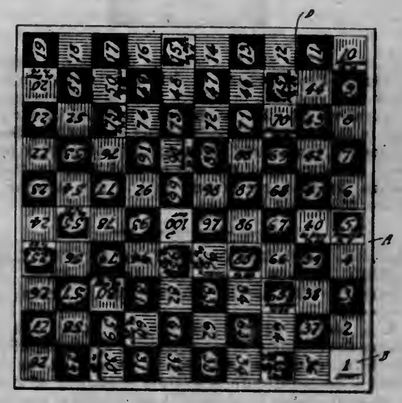
at the corners with the interlocked flaps folded flat against the side walls of the body portion of said carton to form a compact carton when concealed.

1,480,359. WHEEL. THOMAS W. WOOD, Chicago, Ill. Filed June 6, 1921, Serial No. 475,244. Renewed Nov. 30, 1923. 4 Claims. (Cl. 301—63.)



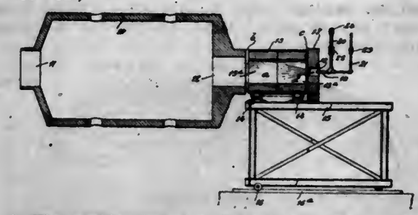
1. A wheel comprising a bushing and metal discs having edges formed into a compound tubular rim, engaging web portions extending from said rim portions, and central web portions curved outwardly from said engaging portions to the bushing, which is mounted by having its ends upset in ragged openings in said central portions.

1,480,360. GAME APPARATUS. WILLIAM P. AGEE, Jr., Hope, Ark. Filed Mar. 8, 1922. Serial No. 542,103. 5 Claims. (Cl. 46—63.)



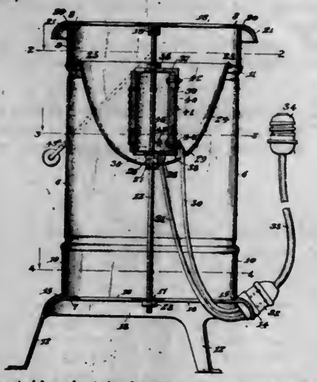
2. A game apparatus comprising a die having differently colored faces, each face having a number thereon, and a board divided into spaces having the same colors as those on the die and being consecutively numbered, one of the spaces constituting a finishing point for the game and having the highest number, certain of the spaces having indicia thereon indicating the player arriving at that space is to go backward or move forward a certain number of spaces.

1,480,361. FURNACE. FRANK M. ALLEN, Claymont, Del., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Nov. 29, 1921. Serial No. 518,501. 12 Claims. (Cl. 263—32.)



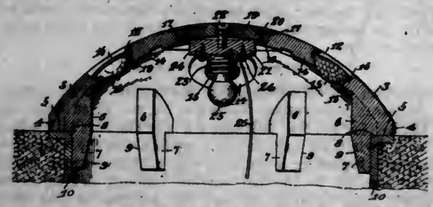
1. The combination of a furnace, a burner for firing the same and a rotatable combustion chamber located between said furnace and burner and having its opposite ends duplicates of each other whereby said combustion chamber may be reversed with respect to said burner.

1,480,362. PORTABLE ELECTRIC HEATER. OLIVER N. ANDERSON, Minneapolis, Minn., assignor of one-half to E. S. Van Koughnet, St. Paul, Minn., and one-half to Ralph Parker, Minneapolis, Minn. Filed Oct. 2, 1922. Serial No. 592,093. 10 Claims. (Cl. 219—34.)



1. A portable electric heater comprising a body portion, a top, a base, a holding element connecting said base, body portion and top together, a reflector secured to said element, a pair of clamping elements carried by the holding element, a cylinder of refractory material interposed between and secured in position by said clamping element, said cylinder inclosed by said reflector, an electric heating element mounted in the periphery of said cylinder, a socket supported by said base, and electrical conductors leading from said socket to said heating element.

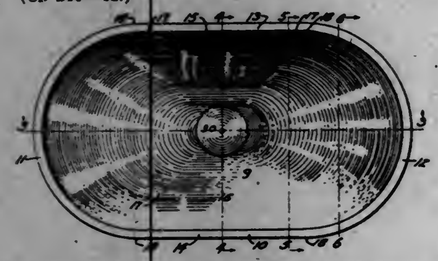
1,480,363. STREET MARKER. NOBLE G. ASHLEY, Fort Dodge, Iowa. Filed Dec. 9, 1922. Serial No. 605,886. 4 Claims. (Cl. 240—1.)



1. A device for the purpose set forth comprising a dome-shaped shell provided with a plurality of openings,

colored lenses mounted in said openings, a plurality of lugs depending from said shell, and an illuminating device suspended centrally from the top of the shell.

1,480,364. REFLECTOR. LOUIS A. BEAN, Denver, Colo. Filed Apr. 16, 1923. Serial No. 632,353. 3 Claims. (Cl. 240—41.)



1. The combination in a reflector, having an oblong opening defined by two parallel straight lines connected by semi-circular ends, of two triangular-shaped surfaces of a base equal to the length of, and coinciding with, said two parallel straight lines and extending back in a parabolic curve to a common apex on the axis of said reflector; and concave surfaces connecting with said semi-circular edges and extending back on a curve to tangential connection with said triangular shaped surfaces and terminating at the axis of said reflector.

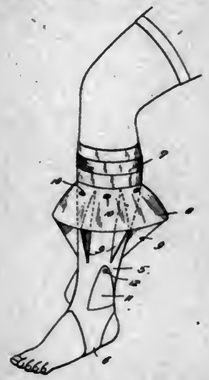
1,480,365. DETACHABLE BROOM HANDLE. AMOS DEAN BENNETT, Independence, Colo. Filed June 6, 1922. Serial No. 566,334. 2 Claims. (Cl. 287—125.)



1. A coupling device of the class described including an outer cylindrical member and an inner cylindrical member in spaced relation, an annular member connected respectively to said outer and inner cylindrical member at one end, said inner cylindrical member being externally and internally threaded, a socket adapted to receive one end of a handle and having a reduced externally threaded portion to engage the internal threads of the inner cylindrical member and with a lateral shoulder at the junction of the socket and the reduced threaded portion thereof bearing on the annular connecting member of the inner and outer cylindrical members, and a stock member adapted to engage in the outer cylindrical member and having an internally threaded cavity to engage the external threads of the inner cylindrical member.

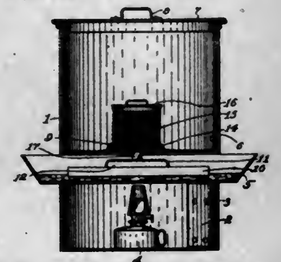
1,480,366. SWIMMING AND BATHING APPLIANCE. WILLIAM BERGERSON, Brooklyn, N. Y. Filed Sept. 13, 1923. Serial No. 662,442. 3 Claims. (Cl. 9—21.)

1. A swimming and bathing appliance of the character described including a sock having a downwardly flared collar secured to the leg portion thereof, flexible webs secured longitudinally of the leg portion of the sock and having their upper edges secured to the under surface of the collar for preventing turning of the latter upwardly to an undue extent, said webs being arranged in uniformly spaced relation in a circular series about the leg of the sock and dividing the space beneath the collar



into a plurality of compartments, and relatively small openings being provided thru the collar adjacent the inner edge of the latter, each opening communicating with one of said compartments.

1,480,367. WATERING DEVICE. CRENO P. BETTENGA, Waterloo, Iowa. Filed Mar. 31, 1923. Serial No. 629,000. 6 Claims. (Cl. 119—80.)



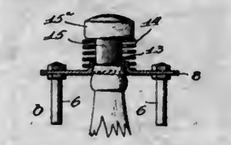
5. In a device of the character described, a reservoir having a discharge-port, a drinking trough supported below said reservoir to receive from said discharge-port, a reticulated container supported within said reservoir, a float in said drinking trough having a valve-head thereon adapted to control the discharge of said port, a reticulated inclosure upon the top of said float to initially receive the discharge of said port, and a filtering substance filling said inclosure.

1,480,368. PROCESS OF MANUFACTURING LIQUID FUEL. JOSEPH BLACK, Los Angeles, Calif. Filed Sept. 27, 1923. Serial No. 665,183. 5 Claims. (Cl. 44—9.)

1. A process of manufacturing a liquid fuel comprising the distilling of a composition consisting of crude petroleum untreated coal oil in approximately equal volumes combined with a mixture consisting of acetone in the approximate proportion of one-fiftieth of the volume of petroleum, benzole in the approximate proportion of one-fiftieth of the volume of the petroleum, sal soda in the approximate proportion of one-eightieth of the volume of the petroleum, and alcohol in the approximate proportion of one two-hundredth of the volume of the petroleum to a temperature of one hundred twenty degrees Fahr. to start a come-over or run, then collecting in a receiver the come-over or run until the temperature of the composition reaches four hundred twenty degrees Fahr., thereby providing a liquid fuel of fifty-eight proof gravity

and 437 end point, and then collecting in an independent receiver the come-over or run until the composition reaches a temperature of four hundred eighty degrees, thereby providing a liquid fuel of forty-five proof gravity and end point of 480.

1,480,369. BOTTLE-CAPPING MACHINE. WILLIAM W. BURESCH, Baltimore, Md. Filed Aug. 18, 1922. Serial No. 582,690. 1 Claim. (Cl. 228—84.)



In a bottle capping machine, a supporting table, a reciprocating frame comprising parallel rods vertically movable through the table top and cross-heads at the upper and lower ends of the rods, the upper cross-head having a central opening the wall of which is adapted to bear upon the flange of a crimped bottle cap when the cap is pressed into the opening, a helical spring on said upper cross-head concentric with the opening and projecting above the opening, a plunger adapted to enter the opening and having a knob adapted to rest on said spring, and means for reciprocating the frame.

1,480,370. RAILWAY-TRACK STRUCTURE. CARROLL BURTON, Johnstown, Pa. Filed Sept. 13, 1923. Serial No. 662,524. 2 Claims. (Cl. 246—457.)



1. A railway track structure comprising, in combination, intersecting rails of the grooved rail type, and a hardened steel center wear plate secured at the intersection of said rails, said rails and said plate being provided with wheel flange grooves, said grooves having elevated floors tapered down towards the extreme ends to the normal depth of the groove in the connecting rail so as to provide a floor elevation through the intersection, which will engage the flange of a wheel passing through the intersection and raise the tread portion of the wheel above the rail head while passing over the intersection, thus preventing the shock due to the treads of the wheels passing over the interrupted head surfaces, and a ferrous metal base cast around said rails at their intersection after they are assembled to secure said rails together.

1,480,371. APPLIANCE FOR SETTING AND REMOVING TIRES. ALBINO CATTONI, Bradford, Pa. Filed Mar. 7, 1922. Serial No. 541,848. 1 Claim. (Cl. 157—6.)

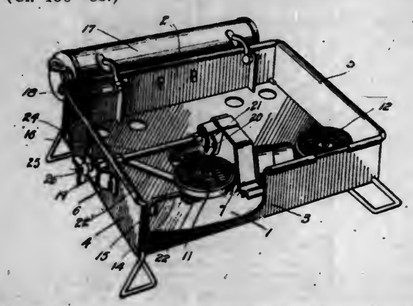


An appliance for setting and removing tires comprising a member supported from the hub of the wheel and a companion member pivoted to the outer end of the aforesaid member, the last mentioned member consisting of a body portion having a handle at one end and a fixed jaw at the other end, the handle being rotatably connected to the body portion and the fixed jaw provided with a notch at its underside to engage the rim of the wheel, a movable jaw slidable on the fixed jaw and having a hook at its outer end, and a threaded rod extending rearwardly from the movable jaw and engaging a threaded bore in the handle for moving said jaw by means of the handle.

1,480,372. FUEL AND PROCESS OF PRODUCTION. EDWARD A. CHARBONNEAUX, San Francisco, Calif. Filed Dec. 20, 1920. Serial No. 432,043. 5 Claims. (Cl. 44—9.)

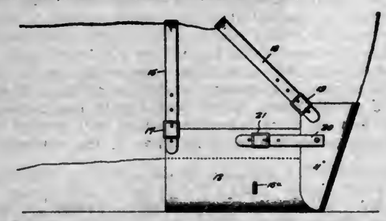
1. A method of making a liquid fuel comprising treating crude oil containing nitratable ingredients with nitric acid, separating the nitrated product and mixing it with suitable proportions of alcohol.

1,480,373. STOVE. WILLIAM C. COLEMAN, Wichita, Kans. Filed Apr. 23, 1923. Serial No. 634,138. 6 Claims. (Cl. 158—83.)



5. In an oil stove, the combination with an oil vaporizer, an oil burner, a valve for the oil burner having a stem provided with a right angular projection, and means for oscillating the burner into and out of line with the vaporizer, the stem of the valve being adapted to project through an opening n the stove case when the burner is in line with the vaporizer and to be received within the stove case when the burner is out of line with the vaporizer, the right angular projection on the valve for the burner being adapted to overlap the edge of the opening in the stove case when the valve is unseated and to be susceptible of being moved through the opening in the stove case when the valve is seated.

1,480,374. PNEUMATIC KNEE PAD. WILLIAM DAVIS COVINGTON, Vernon, Tex. Filed Apr. 5, 1921. Serial No. 458,812. 1 Claim. (Cl. 2—130.)



A knee pad comprising a horizontally disposed semi-oval shaped supporting element, a vertically disposed tapering protecting member hinged at the lower terminus of its front to the forward terminus of the bottom of said element, said member overlapping throughout and extending above the forward terminal portion of said element and further projecting forwardly from said terminal

portion, a vertical closure and a longitudinally extending flat strip secured together and arranged within and secured to said element and providing in connection therewith a semi-cylindrical pocket open at the forward end of said element and with said hinged member constituting the sole closure for the open end of said pocket, a cushioning element mounted in and conforming in contour to the shape of the pocket, and an attaching means for said element and member.

1,480,375. ILLUMINATED INTAGLIO DISPLAY DEVICE. CHARLES C. CRISTADORO, Los Angeles, Calif., assignor of one-half to Thos. H. Rosenberger, Los Angeles, Calif. Filed Jan. 29, 1917. Serial No. 145,008. Renewed June 8, 1923. 2 Claims. (Cl. 40—130.)



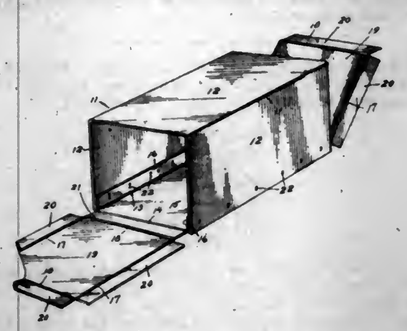
1. An intaglio consisting of the representation on an opaque surface of a given object formed in opaque material the prominent parts thereof being depressed, the degree of depression varying directly with the prominence of the detail to be emphasized and predetermined parts of the intaglio surface being permanently colored to give harmonic light and shadow effects when the face of the device as a whole is subjected to the action of light rays.

1,480,376. METHOD OF FORMING HOLLOW INFLATED RUBBER ARTICLES. ROBERT C. DABNEY, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 29, 1923. Serial No. 628,565. 4 Claims. (Cl. 18—53.)

4. The hereindescribed method of expanding hollow rubber articles during vulcanization, which consists in introducing into the hollow rubber article before vulcanization a dry mixture containing ingredients which will react in the presence of water to form a gas when heated, and containing also an ingredient containing water of crystallization which when heated will supply the necessary water, and an inert ingredient which will protect the mixture from the action of moisture in the atmosphere.

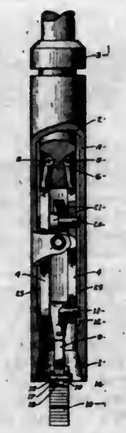
1,480,377. FIBER SHIPPING CASE. JAMES J. DALY, Three Rivers, Mich. Filed Feb. 7. 1922. Serial No. 534,712. 4 Claims. (Cl. 229—23.)

1. A collapsible box of the type having countersunk ends, comprising two attached sections of sheet material, one section being formed with three side panels defined by intervening scored fold lines, and the second section being formed with a fourth side panel and two integral end panels connected by folding strips or flanges, and short inwardly folding attaching flanges upon said fourth side panel and said end panels, all of said flanges being defined by scored fold lines, the two box sections



being secured together by attaching said short side flanges of said fourth side panel to the inner faces of the adjacent side panels of the other box section.

1,480,378. FISHING TOOL. CHARLES F. DE ARMOND, Elko, Nev., assignor to Elko Drill Co., Elko, Nev., a Corporation of Nevada. Filed Mar. 29, 1922. Serial No. 547,778. 14 Claims. (Cl. 294—102.)

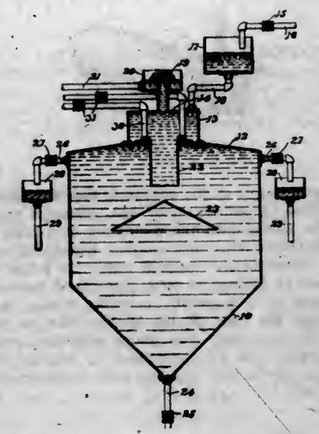


1. A fishing tool comprising an elongated cylindrical shell, a plunger slidably mounted therein, a hammer head on said plunger engageable with the upper end of the shell, a pair of gripping jaws carried by the plunger and having a free vertical sliding movement with relation thereto, and a tapered portion on the lower end of the shell adapted to be driven downwardly over the jaws to increase their grip and to secure the jaws in gripping position.

1,480,379. SETTLING TANK. ROY D. ELLIOTT and OTTO J. JACOBSEN, Crockett, Calif. Filed July 5, 1922. Serial No. 572,878. 4 Claims. (Cl. 183—2.6.)

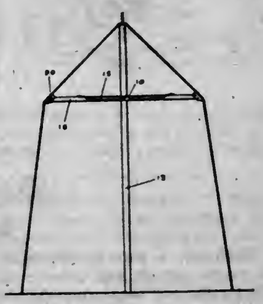
1. A device of the character described comprising a container into which a liquid is poured, a settling tank to receive the liquid draining from the container, said tank being formed with a substantially cylindrical body portion, a central tubular passageway extending downwardly through the top of the tank and into the body

thereof, a dome carried upon the top of the tank and inclosing the opening in said tube and into which dome



the liquid directly drains from the filling tank, an overflow pipe extending upwardly from the dome, and a launder surrounding the mouth of said overflow pipe.

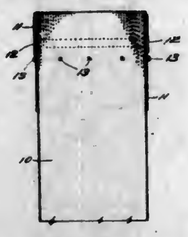
1,480,380. TENT. ROBERT B. ELROD, Lincoln, Nebr. Filed Dec. 7, 1922. Serial No. 605,432. 4 Claims. (Cl. 135—1.)



1. In a tent having a single centrally-positioned tent pole, a clamp adapted to be secured to the tent pole, said clamp consisting of a plurality of L-shaped straps each having a long and a short leg with the short leg of one strap bearing against the long leg of the adjacent strap to form ears at the corners of the clamp, connections between adjacent straps, through the ears, jointed arms pivotally connected to said ears, and means at the extremities of said jointed arms for engaging the tent at the corners formed by the junction of the walls and the roof of the tent.

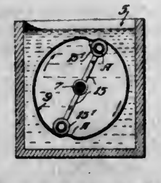
1,480,381. STOCKING OR SOCK TOP. CURT FRIG, Philadelphia, Pa., assignor to Junior Hosiery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1922. Serial No. 555,690. 1 Claim. (Cl. 2—28.)

In an article of the character stated the combination of a sock having an integrally knit cuff exteriorly encircling the top of the leg portion of said sock, means between said cuff and leg portion securing the intermediate portion of the cuff to said leg portion at spaced intervals only and forming an upper annular passage, and a continuous rubber band loosely positioned in said



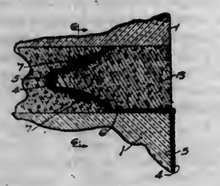
passage and normally of substantially the same length as the circumference of said leg portion, whereby the expansion of said rubber band in use causes the free, lower edge of said cuff to closely hug said leg portion.

1,480,382. METHOD OF CRYSTALLIZING FLUIDS. CROSBY FIELD, Yonkers, N. Y. Filed Jan. 24, 1922. Serial No. 531,502. 5 Claims. (Cl. 62—172.)



1. In the method of crystallizing fluids by heat transference, that step which consists in momentarily altering the normal conformation of a heat transfer element upon which a film of crystals is deposited and thereby effecting a separation of said element from said film to permit the fluid to enter between said film and the heat transfer element and directly contact with the latter.

1,480,383. FLASHING. CARROLL C. FIGGE, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,847. 15 Claims. (Cl. 108—26.)

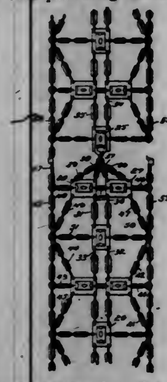


1. A flashing comprising strips of fabric secured together along one edge only of each fabric independent of its attachment to a wall.

1,480,384. TIRE CHAIN. OGDEN D. FOSBURGH, St. Joseph, Mo. Filed Dec. 27, 1922. Serial No. 609,239. 6 Claims. (Cl. 152—14.)

1. An anti-skid device comprising a set of anti-skid elements, two sets of traction elements, the traction elements of one set opposing the traction elements of the other set and flexibly connected therewith, means for flexibly connecting the anti-skid elements to the sets of traction elements, flexible members connected to and projecting outwardly from the elements of each set of traction elements, two sets of flexible elements, each set

of flexible elements connected to the outer ends of the flexible members which project outwardly from a set of traction elements and providing in connection with said



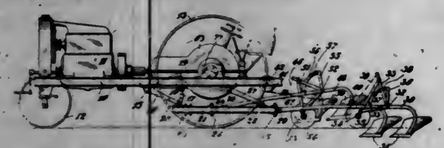
members sustaining means for the traction elements, and means for flexibly connecting the anti-skid elements to the said sets of flexible elements.

1,480,385. STOCKING AND LIKE GARMENT AND TO ATTACHMENTS THEREFOR. HANNAH CHISHOLM FRASER, Bournemouth, England. Filed Oct. 27, 1920. Serial No. 419,980. 1 Claim. (Cl. 2—23.)



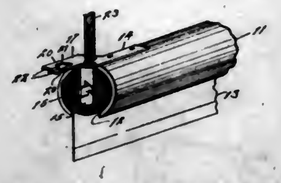
A new article of manufacture for use with stockings or similar garments and suspenders, comprising a length of fabric crossed to form a loop and secured at the crossing and enlarged tabs, formed on the fabric, spaced from each other and forming the only points of connection between the said length of fabric and the stocking or similar garment, so that the supporting pull is spaced around the circumference of the stocking or similar garment being exerted diagonally thereon and lateral stretching of the material of the said stocking or similar garment being permitted whilst the flexibility of the said material is preserved.

1,480,386. MOTOR PLOW. ÖDÖN GÁL, Budapest, Hungary. Filed Oct. 29, 1921. Serial No. 511,486. 4 Claims. (Cl. 97—237.)



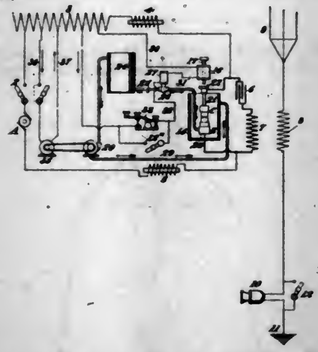
1. In a soil-working machine, a wheeled frame, an auxiliary frame adjustable up and down relatively to the first-named frame means for adjusting said auxiliary frame, a swinging frame carried adjustably by said auxiliary frame and provided with soil-working devices, and mechanism for adjusting said swinging frame independently of said auxiliary frame.

1,480,387. ADJUSTABLE SHADE PROTECTOR. HENRY YOUNG GARRETT, Atlanta, Ga. Filed June 5, 1922. Serial No. 565,921. 5 Claims. (Cl. 156—27.)



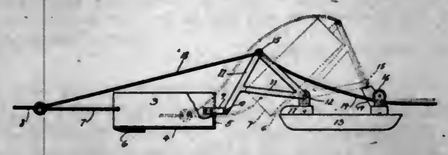
4. An attachment of the character specified, comprising spaced guides, a shade shield and protector positioned between the said guides and consisting of a tube of relatively adjustable telescopic sections presenting a longitudinally extending slot through which the rolled up part of the shade is adapted to pass, said shield having plates at each end with depending portions struck therefrom for engaging the ends of the shade roller to hold the shade within the tube, said plates extending outwardly from opposite ends of the shield to engage the said guides, and means for raising and lowering the said shield between the said guides.

1,480,388. OSCILLATOR. ALPHONSUS L. GOLDEN, Oakland, Calif., assignor to National Radio Company, San Francisco, Calif., a Corporation of Arizona. Filed Sept. 16, 1919. Serial No. 324,153. 5 Claims. (Cl. 250—36.)



1. In an oscillator, a pair of electrodes, means for circulating a liquid through and between the electrodes, means for contacting and separating the electrodes, and means cooperating with said last mentioned means for stopping the circulation of liquid through the electrodes when they contact, and for re-establishing the circulation when the electrodes are separated.

1,480,389. SCRAPER. LESLIE P. GREEN, Chicago, Ill. Filed June 24, 1921, Serial No. 479,991. Renewed July 30, 1923. 6 Claims. (Cl. 37—122.)



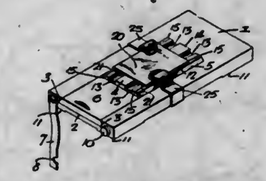
1. A scraper comprising a sled-like member; a scraper member separate from and performing its scraping operations substantially independently of said sled; cables connected to drag said members forward and back; and means operable by said cables whereby said scraper member will be lifted onto said sled when said cables are operated to drag said members back and extended into operative position when said cables are operated to drag said members forward, substantially as described.

1,480,390. APPARATUS FOR INSPECTING AND GAUGING SCREW THREADS. JAMES HARTNESS, Springfield, Vt. Original application filed Jan. 16, 1919, Serial No. 271,540. Divided and this application filed Feb. 17, 1920. Serial No. 359,394. 16 Claims. (Cl. 88—24.)



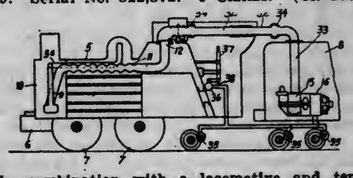
12. An optical comparator comprising a chart or screen to receive a magnified image, a lantern having a source of light and a condensing lens for forming the magnified image, a stage located between said condensing lens and said second-mentioned lens and threaded or serrated cradles for engaging the sides of and supporting a threaded object to be gaged.

1,480,391. HÆMACYTOMETER. CARL ADOLPH HAUSSER, Philadelphia, Pa., assignor to C. A. Hausser & Son, Philadelphia, Pa., a Firm consisting of Carl Adolph Hausser and Anthony Adolph Hausser. Filed Apr. 11, 1921. Serial No. 460,564. 11 Claims. (Cl. 88—40.)



1. In a hæmacytometer, a slide comprising a frame of relatively non-breakable material, and a counting chamber structure detachably secured in said frame.

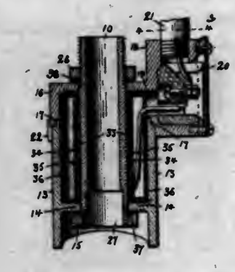
1,480,392. LOCOMOTIVE. HERBERT T. HERR, Merion, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Sept. 8, 1919. Serial No. 322,372. 9 Claims. (Cl. 105—36.)



7. In combination with a locomotive and tender, a boiler, an engine forming a part of the locomotive, a turbine mounted in the tender, an exhaust pipe extending from the engine to the turbine and longitudinally through at least a part of the steam space of the boiler and a flexible joint in said exhaust pipe between the boiler and the tender.

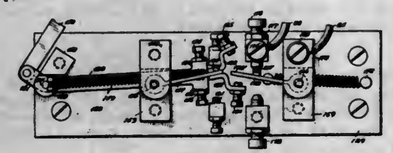
1,480,393. SAND-PIPE HEATER. CHILION BENJAMIN JOHNS, Ebensburg, Pa., assignor of one-half to Joseph O. Clark, Glen Campbell, Pa. Filed Apr. 28, 1923. Serial No. 635,403. 5 Claims. (Cl. 291—20.)

1. A device of the class described comprising a tubular conductor member adapted to be coupled to a sand pipe, a tubular guard member enclosing a portion of said conductor member and with an inwardly directed bearing flange spaced from the lower end of the guard member and supporting the conductor member, a cap member engaging around the conductor member and bearing upon the guard member, a housing extending from



the cap member and communicating with the interior of the same and adapted to contain an electrically conductive coupling device, an electrical heating appliance within the guard member and externally of the tubular conductor and adapted to be coupled to the electrical coupling device within the housing.

1,480,394. SNAP SWITCH. ERNEST M. JOHNSON, Jersey City, N. J., assignor to Edward V. Hartford, Deal, N. J.; Henrietta Pollitzer Hartford administratrix of said Edward V. Hartford, deceased. Filed July 14, 1920. Serial No. 396,217. 16 Claims. (Cl. 200—67.)



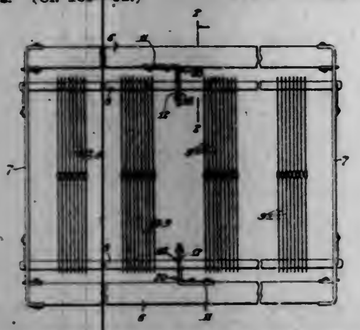
1. In an electric switch, a pivotally mounted operating member, a pivotally mounted intermediate member, means on the first member to embrace the second member and provide lost motion therebetween, means to bias the intermediate member to one side or to the other side of its pivot, contact mechanism operated by the intermediate member, and fixed stops independent of the contact mechanism for limiting the movement of the intermediate member and holding the intermediate member out of contact with the operating member while the operating member is at rest.

1,480,395. AUTOGRAPHIC SALES-CHECK-PRINTING MACHINE. CLARENCE L. JOHNSTON, Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed May 17, 1920. Serial No. 382,099. 70 Claims. (Cl. 101—76.)



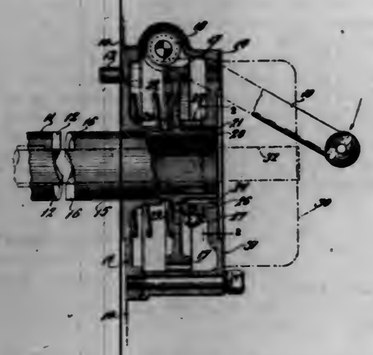
1. A web printing press having, in combination, packing cylinders and plate cylinders cooperative to print successive impressions on the web while it is moving and a mechanism for consecutively numbering successive imprinted sections of the web; and means for intermittently withdrawing and restoring the numbering mechanism during the operation of the press so as to provide unnumbered printed sections.

1,480,396. HEDDLE FRAME. JACOB KAUFMANN, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1923. Serial No. 619,610. 7 Claims. (Cl. 139—92.)



1. In a heddle frame, the means for supporting the heddle bars intermediate their ends comprising a device secured to the heddle frame bar, said device having an extension provided with a recess adapted to receive and support the heddle bar, said recess being open to one side of said extension, a member pivoted to said extension having a recess open to the opposite side from that of the recess in the extension and adapted to engage the heddle bar when the same is mounted in the supporting device, said pivoted member also having a recess in the end thereof, and a leaf spring adapted to engage the recess in the end of said pivoted member to lock the same in closed position.

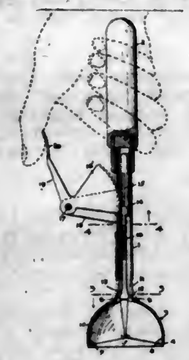
1,480,397. STARTING MECHANISM. ALEXANDER H. KING and HAROLD H. YOUNG, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Dec. 21, 1922. Serial No. 608,158. 21 Claims. (Cl. 74—7.)



1. A starter arranged to co-act with a rotatable engine member provided with engaging means, said starter including a shaft having means to engage the engine member and mounted for rotation in a manner so as to permit of axial movement to effect an engagement with the engine member, means comprising an angularly guided friction member adapted to effect said axial movement.

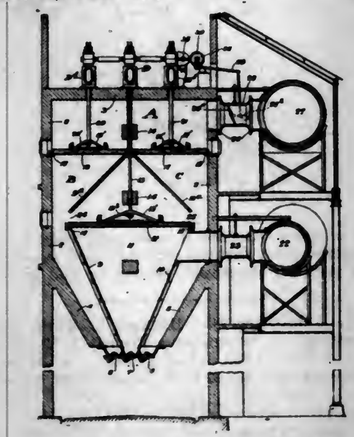
1,480,398. ICE-CREAM SCOOP. FREDERICK C. KIRCHHOFF, San Francisco, Calif. Filed July 21, 1922. Serial No. 576,407. 2 Claims. (Cl. 107—48.)

1. An ice cream scoop comprising a substantially semi-spherical body member, a handle fixed to and extending axially from said member, scoop segments pivoted within the body member and adapted when extended to form



with the said body member, a hollow spherical container and means associated with the handle for moving the said segments into and out of the body member.

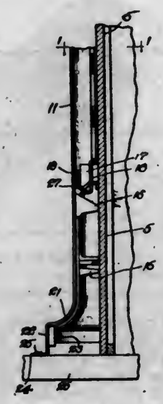
1,480,399. DRY GAS CLEANER. FRED E. KLING, Youngstown, and LUTHER B. WEIDLEIN, Cleveland, Ohio. Filed Jan. 13, 1921. Serial No. 436,993. 6 Claims. (Cl. 183—54.)



6. A dry gas cleaner for hot blast furnace gas comprising a plurality of units, each unit having a cleaning chamber, a metal wool filter mat arranged transversely within said chamber so as to form a porous wall completely dividing said chamber, flanges on the walls of said chamber for supporting said mat, a vibrating mechanism supported above said chamber and connected by a vertical shaft to said mat, an inlet pipe communicating with said chamber below said mat, an outlet pipe arranged above said mat, a butterfly valve adapted to close said outlet pipe, and means for automatically, simultaneously, closing said valve and setting said vibrating mechanism in motion to vibrate said mat.

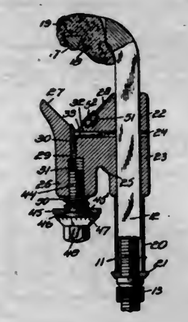
1,480,400. METAL TRIM FOR PLASTERED WALLS. GEORGE A. KNAPP, Chicago, Ill., assignor to Knapp Brothers Manufacturing Company, a Corporation of Illinois. Filed Feb. 20, 1922. Serial No. 537,844. 4 Claims. (Cl. 189—85.)

1. A sheet metal trim for bounding a plastered wall having an edge bent laterally to space the trim from an unplastered wall and to provide a knee to serve as a ground to gage the thickness of a plaster coating, the



bend at the knee being formed after bending into a sharp salient edge in a plane with the exposed face of the trim.

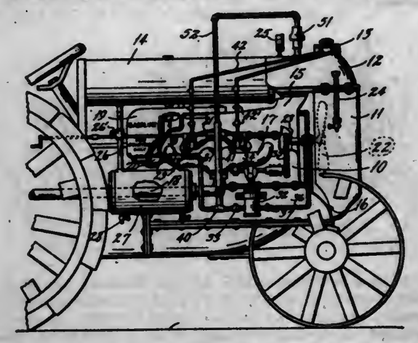
1,480,401. CRANK-PIN TOOL. GEORGE F. KRIEGER, Wisconsin Rapids, Wis. Filed Aug. 18, 1922. Serial No. 582,776. 11 Claims. (Cl. 82—4.)



1. A tool for the purpose set forth comprising an adjustable jaw body provided with a V-shaped jaw, an adjustable cutter positioned at the point of jointure between the working faces of said V-shaped jaw, means arranged exteriorly of said jaw body for adjusting said cutter, means arranged within said jaw body for clamping said cutter in adjusted position, and a lubricating element mounted in one of the working faces of said V-shaped jaw and means carried by said jaw body for securing said lubricating element thereto.

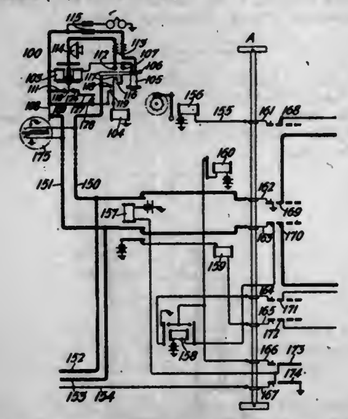
1,480,402. MOTOR FUEL AND COOLING SYSTEM. RUDOLPH KROLLAGE, McGregor, Tex., assignor of one-eighth to Martin A. Jones, McGregor, Tex. Filed Mar. 3, 1922. Serial No. 540,909. 5 Claims. (Cl. 123—122.)

1. In a motor fuel system, the combination with a radiator and circulatory jacket of a motor, of a preheating receptacle, the radiator and jacket containing a body of fuel oil, the radiator having a vapor dome at its upper end, means for supplying fuel oil to the receptacle, a conductor extending from the receptacle for conveying the preheated fuel oil to the jacket, and means for admitting air into the fuel oil conductor, said con-



ductor including a manifold having means for introducing said preheated fuel oil and air into the said jacket at a plurality of points.

1,480,403. TELEPHONE-EXCHANGE SYSTEM. JACOB W. LATTIG, Bethlehem, Pa., and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,091. 59 Claims. (Cl. 179—6.3.)

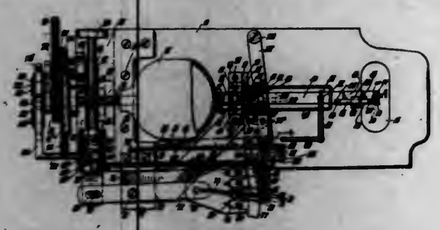


1. In a telephone system, subscribers' lines, automatic switches for establishing a connecting circuit through which a calling and a called subscriber may converse during predetermined time units, charging means, means associated with said automatic switches for operating the same, and automatic means for operating said charging means at different rates in accordance with the length of the conversational period.

1,480,404. MACHINE FOR SEWING SNAP FASTENERS. ARTHUR E. LINDNER, Brooklyn, N. Y., assignor to The L. and H. Special Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 20, 1919. Serial No. 339,393. 6 Claims. (Cl. 112—112.)

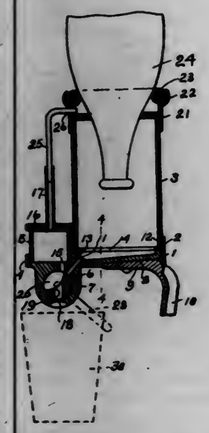
1. In a sewing machine of the character described, a stitch forming mechanism including a needle, a supporting member adapted to support an article to be sewed having eyelets, said member adapted to have longitudinal and transverse movement relatively to said needle, cam means for causing said transverse movement, said cam means having individual cam parts sepa-

rately adjustable to adjust the extent of said transverse movement, and cam means for causing said longitudinal movement.



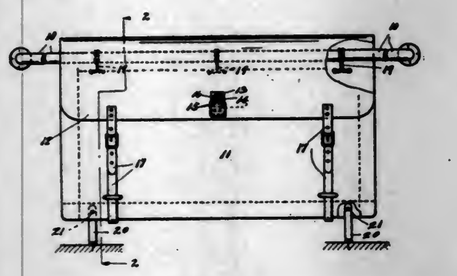
6. In a sewing machine of the character described, a throat plate, a stitch forming mechanism including a needle, a supporting member provided with an opening adapted to receive and support an article to be sewed having eyelets, a pivotal support at one end of said supporting member, spring means adapted to yieldably engage its other end with said throat plate, means for raising said end from said throat plate, a laterally movable pin adapted to project into said opening to engage said article to retain the same therein against removal and turning movement, spring means adapted to yieldably project said pin into said opening, and means adapted to withdraw said pin from said opening upon the raising of said supporting member, to permit the removal of said article and the insertion of another one, said pin adapted to be projected into said opening upon the lowering of said supporting member.

1,480,405. LIQUID-DISPENSING DEVICE. GEORGE R. LONG, Waterbury, Conn., and HENRY G. CORDLEY, Glen Ridge, N. J. Filed Jan. 14, 1921, Serial No. 437,352. Renewed July 13, 1923. 7 Claims. (Cl. 221—116.)



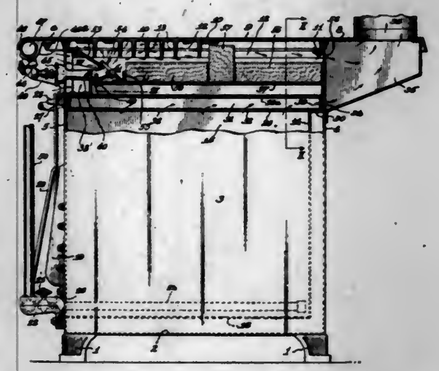
1. In a dispensing device, a base plate having the rear portion of its upper face adapted to receive a liquid container, having the front portion of its upper face adapted to receive a measuring vessel, and having on its lower face below the portion which receives the measuring vessel, a faucet casing integral with said base plate having a seat for a turning plug, ports leading from the container and measuring vessel to the seat for the turning plug, and a discharge port leading downward from the seat, and a turning plug in said seat having an operating handle provided with a laterally extending portion below the faucet.

1,480,406. AUTOMOBILE ATTACHMENT. FRANK MASHEK, Chicago, Ill. Filed Oct. 13, 1922. Serial No. 594,348. 3 Claims. (Cl. 224—29.)



1. A case having means for securing the same on a supporting rod, said means consisting of hooks disposed and fixed on the inside of said case, the cover of said case being looped over said supporting rod and secured to said case; and means for locking said cover to said case and thereby lock said case on said rod.

1,480,407. HOTEL RANGE. HENRY C. MAUL, Detroit, Mich., assignor to The Michigan Stove Co., Detroit, Mich., a Corporation of Michigan. Filed Aug. 7, 1922. Serial No. 580,081. 16 Claims. (Cl. 126—39.)

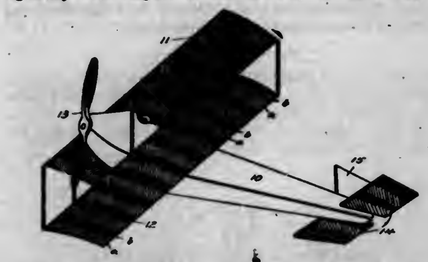


1. A cooking range comprising a cooking top, a combustion chamber below said cooking top communicating with the atmosphere and having a bottom wall composed of heat resisting members, one of which serves as a baffle and is surrounded and maintained in position by other members, and burners directing flames upwardly against said cooking top in front of said baffle, said burners being grouped at the front edge of one of said heat resisting members forming the bottom of said combustion chamber.

1,480,408. AIR-PRESSURE SURFACE CONSTRUCTION. PAUL K. MILLER, Covington, Ohio. Filed Nov. 14, 1921. Serial No. 515,016. 4 Claims. (Cl. 244—12.)

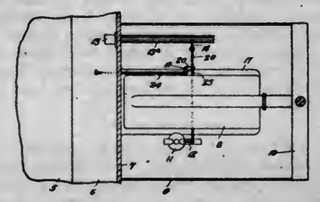
1. In air pressure surface construction in aerial navigation, means to provide the surface to be acted upon, and means for effecting the direction of the travel of the air current or stream on said surface, said means arranged in series, each series comprising two sets of spaced oppositely extending relatively thin rectangular

ribs of slab-like form projecting from and disposed diagonally with respect to said surface, certain of the ribs



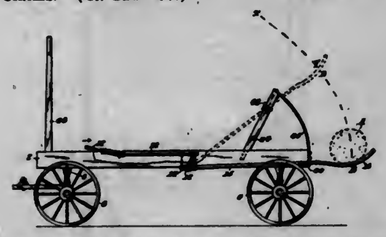
of each pair of sets abutting, and certain of the ribs of one set of ribs of one series abutting against certain of the ribs of one set of an adjacent series.

1,480,409. FOOT ACCELERATOR. CHARLES S. NELSON, Sandpoint, Idaho, assignor of one-half to Allen P. Asher, Sandpoint, Idaho. Filed Oct. 6, 1920, Serial No. 415,183. Renewed June 20, 1923. 2 Claims. (Cl. 74—89.)



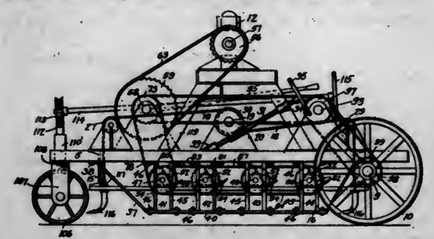
1. In a foot accelerator, a supporting post rising from the base of an engine, means for adjusting said post vertically, a lever supported for pivotal movement upon the post, spring means connecting the post with the lever and responsive to rotative adjustments of the post for varying the tension exerted upon the lever and normally maintain the latter in a predetermined position, and throttle valve actuating and foot operated rods connected with the lever.

1,480,410. FODDER LOADER. ROBERT NOSE, Fairmount, Ind. Filed Feb. 20, 1922. Serial No. 587,998. 2 Claims. (Cl. 214—77.)



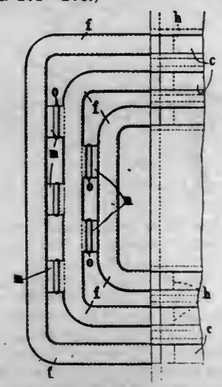
1. In a bundle loading apparatus, in combination with a receiving rack, a frame pivoted thereon and comprising a plurality of spaced arms, said arms being provided at their free ends with bundle receiving portions, means for swinging said frame on its pivot to initially carry said bundles through an arcuate lifting path, a transverse stop device supported on and above said receiving rack intermediate the ends of said frame, and arcuate tracks supported by said receiving rack and intermediate the ends of said pivoted frame and adapted to guide said bundles through their arcuate lifting path, said frame being adapted to be abruptly stopped by said transverse stop device to project the bundles in a line tangential to their arcuate lifting path.

1,480,411. ROTARY PLOW AND CULTIVATOR. RICHARD J. O'NEILL, Denver, Colo. Filed June 17, 1921. Serial No. 478,301. 4 Claims. (Cl. 97—40.)



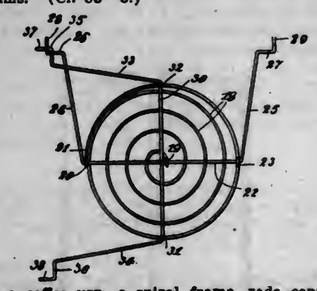
1. In a motor plow, the combination with a main frame having an auxiliary plow-carrying frame suspended therein for vertical adjustment, of rotary plow-carrying shafts journaled in each side member of said auxiliary frame and extending to engagement with vertically-slidable crossheads carried on said main frame.

1,480,412. DYNAMO-ELECTRIC MACHINERY. CHARLES ALGERNON PARSONS and JESSEL ROSEN, Newcastle-on-Tyne, England; said Rosen assignor to said Parsons. Filed Apr. 30, 1923. Serial No. 635,663. 5 Claims. (Cl. 171—206.)



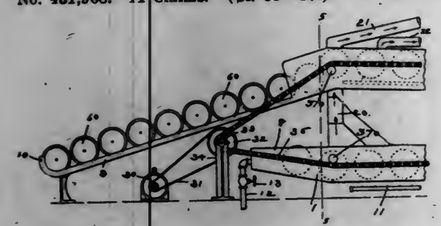
1. In dynamo-electric machinery, a rotor, coils held in slots in said rotor, and an individual shield covering the end of each coil, trough-shaped in cross section.

1,480,413. COFFEE URN. JOHANNES TH. PEDERSEN, Flushing, N. Y. Filed Oct. 5, 1922. Serial No. 592,494. 4 Claims. (Cl. 53—3.)



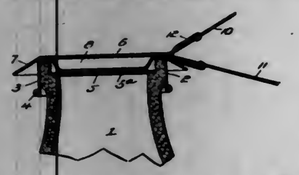
1. In a coffee urn, a spiral frame, rods connected to the spiral frame, and supporting means extending from the rods and turnable to lie in positions substantially parallel with the frame and to be extended to positions at substantial right angles thereto to support the frame in the coffee urn.

1,480,414. WASHING-MACHINE DEVICE. NICOLA PETTI, Cleveland, Ohio. Filed Dec. 20, 1920. Serial No. 431,968. 11 Claims. (Cl. 68—37.)



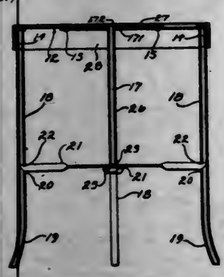
2. In a washing machine, the combination of a conveyor, a plurality of compartments, a plurality of containers, means for attaching said containers to said conveyor, means for operating said conveyor to cause said containers to pass through said compartments in succession, means for rotating said containers back and forth as they are carried through said compartments, and means for automatically detaching said containers from said conveyor when they pass through the last compartment.

1,480,415. MILK-BOTTLE COVER. HENRY M. PIERCE, Chippewa Falls, Wis. Filed Feb. 16, 1923. Serial No. 619,440. 3 Claims. (Cl. 215—38.)



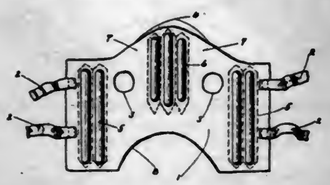
1. A milk bottle cover comprising, a top having a depending split collar adapted to frictionally engage the milk bottle about its mouth and further having a central portion inset to depend into the bottle mouth to provide a coin tray, a handle member extending outwardly and downwardly from said top between the ends of said split collar, a cover for said coin tray having a split flange extending outwardly and downwardly around said collar, a handle member extending upwardly and outwardly from said cover between the ends of said split flange, and in opposed relation to said first mentioned handle, and a spring member extending through both handle members and having each end in engagement with a handle member.

1,480,416. STOOL. CHARLES POHL, Los Angeles, Calif., assignor of one-half to A. L. Shipley, Venice, Calif. Filed Feb. 16, 1922. Serial No. 536,894. 3 Claims. (Cl. 155—196.)



1. In a stool, the combination of side seat members pivoted to one another at their ends, crossed seat members pivoted together at their centers and pivoted to opposite side members, legs loosely supporting the ends of the side seat members, braces, and means detachably connecting the braces with the crossed seat members and holding the braces engaged with the legs.

1,480,417. LIFE PRESERVER. THOMAS IRVING POTTER, East Orange, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed May 26, 1922. Serial No. 563,915. 5 Claims. (Cl. 9—17.)

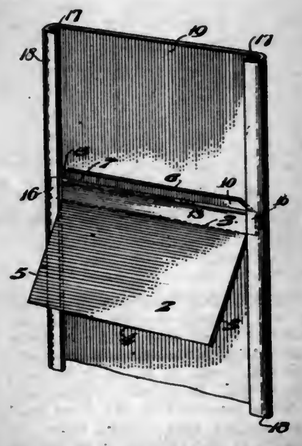


1. A life preserver comprising a flexible body portion buoyantly reinforced adjacent its side edges, an integral head supporting extension at the intermediate portion of the upper edge of said body portion, buoyant reinforcing material arranged to extend from adjacent the top of said extension to the intermediate portion of said body at a point normally disposed well below wearer's shoulders whereby to effect a substantially rigid connection between the body portion and the head supporting extension.

1,480,418. MATERIAL FOR CARBURIZING. GEORGE W. PRESSELL, Philadelphia, Pa., assignor to E. F. Houghton & Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1922. Serial No. 546,807. 5 Claims. (Cl. 148—30.)

1. A carburizing material of pasty consistency consisting of a liquid vehicle, carbon and at least one carbonate.

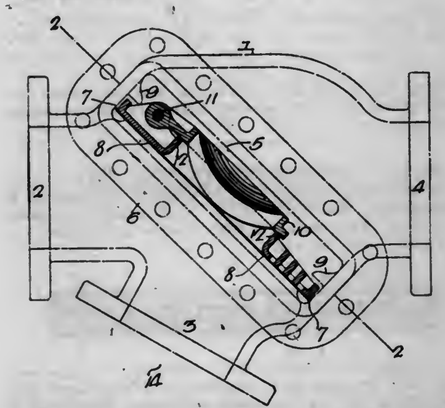
1,480,419. VISIBLE CARD SYSTEM. WILLIAM A. RINGLER, New York, N. Y., assignor to Globe Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 25, 1920. Serial No. 412,855. 9 Claims. (Cl. 129—16.)



6. A filing card having a pair of weakened lines in parallelism to one of its edges and on which it is folded to provide an outwardly extending terminal tab the distance between said weakened lines being less than the width of said terminal tab.

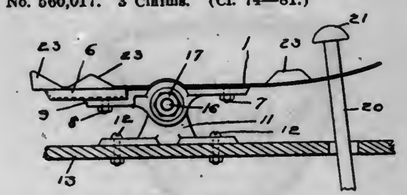
7. The combination with a plurality of juxtaposed filing cards, of a signal comprising a strip of material having an overhanging lip insertable between and held in place by the juxtaposed cards and interlocking with one of them.

1,480,420. STRAINER. ARTHUR C. ROWLEY, Philadelphia, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1922. Serial No. 528,767. 2 Claims. (Cl. 210—164.)



1. The combination in a strainer having an inlet and an outlet; a strainer element mounted in the casing in a plane at an angle to the line of flow of liquid from the inlet to the outlet, said element including an annular perforated body; and a gate pivoted to said body in position to normally close the central opening therethrough but free to automatically open to permit passage of material when the perforations of the body become clogged.

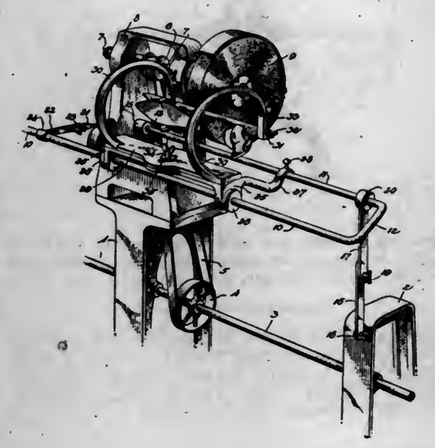
1,480,421. FOOT-PEDAL MECHANISM. FREDERICK C. SMITH, Marion, Ohio. Filed May 11, 1922. Serial No. 560,017. 3 Claims. (Cl. 74—81.)



1. In a foot pedal mechanism for automobiles, the combination of a foot plate for supporting the foot of an automobile operator, a support upon which said plate rests, a bracket adapted to be attached to the floor of the automobile and containing a bearing upon which said support rocks, means associated with said bearing for holding said support and foot plate in any desired position independent of the foot of the operator, an accelerator rod passing through said foot plate so that it is engaged by the foot of the operator in accordance with the position of said foot plate, the movement of said accelerator being independent of said foot plate.

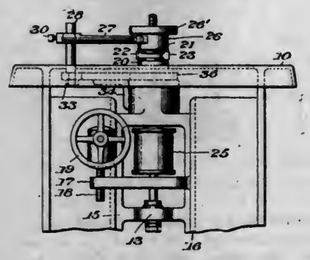
1,480,422. SKATE-GRINDING CLAMP. SVEN E. STROM, Detroit, Mich. Filed Feb. 2, 1923. Serial No. 616,482. 6 Claims. (Cl. 51—228.)

1. An attachment for grinding machines comprising a guide frame, means for attaching said guide frame to a grinding machine, reciprocable means guided by said frame, and holding means carried by said reciprocable means for holding a skate to present the blade thereof in right angular relation to a grinding wheel of the grinding machine, said reciprocable means being rockable upon said frame transversely of its reciprocating



movement to move the skate held thereby toward and from the wheel, and said holding means being turnable about an upwardly extending axis relative to the frame to present a curved surface of the skate to the grinding wheel during the reciprocatory movement.

1,480,423. ATTACHMENT FOR SHAPING MACHINES. WILLIAM TATE, High Point, N. C. Filed July 6, 1923. Serial No. 649,845. 14 Claims. (Cl. 144—251.)

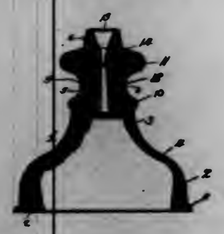


1. In a device of the class described, the combination of a spindle, a cutter head assembly carried by said spindle, a support at one side of the cutter head, a stationary guide device substantially encircling said spindle on the opposite side of said cutter head from said support, and means for adjusting said cutter head and simultaneously adjusting said guide.

1,480,424. MASSAGE APPARATUS. RALPH S. THOMPSON, New York, and CARL F. DOSCHER, White Plains, N. Y., assignors to The Thompson-Barlow Company, Inc. Filed July 12, 1921. Serial No. 484,056. 6 Claims. (Cl. 128—300.)

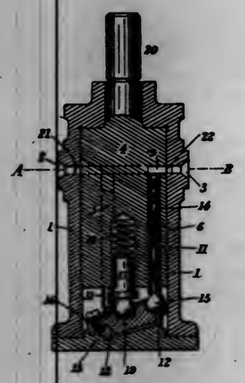
1. A massage apparatus of the finger control type comprising a cup-shaped body formed throughout of resilient material and including a depressible outer portion and an inner portion of substantial rigidity to remain upright when the outer portion of said body is depressed to extend into the inner portion, and a

finger gripping handle integral with one end of said outer portion and formed of the same material throughout as said body and provided with a bore having its



inner end opening into said body and its outer end sealable by one of the fingers employed for depressing said outer portion into said inner portion.

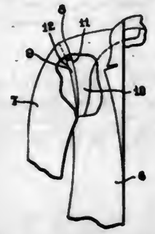
1,480,425. PUMPING APPARATUS FOR VISCOUS LIQUIDS. CHARLES FRED TOPHAM, Coventry, England, assignor to Courtaulds Limited, London, England, a British Company. Filed Feb. 6, 1923. Serial No. 617,315. 3 Claims. (Cl. 103—162.)



1. In apparatus for pumping viscous liquids, a pump casing having inlet and outlet ports, a rotatable body fitting within the casing, said body having longitudinally extending cylinder openings and associated ports, the latter successively establishing communication with the ports in the casing on the rotation of said body with respect to the casing, hollow plungers reciprocating in said cylinder openings, the length of said plungers being considerably greater than their diameter, a rotatable cam plate inclined to the axis of the rotatable body, and rods extending from said hollow plungers and flexibly connecting the latter with the inclined cam plate, and means for rotating the body member within the casing to cause the hollow plungers to reciprocate by reason of their connection with the cam plate.

1,480,426. BRACING MEMBER FOR LININGLESS COAT SLEEVES. ROCK TRISTANO, Chicago, Ill. Filed Dec. 8, 1920. Serial No. 429,244. 2 Claims. (Cl. 2—88.)

2. A reinforcing member for the sleeve of a tropical coat, consisting of an oval shaped piece of cloth, folded over and stitched with its joined edges to the connected material of the sleeve and the shoulder of the coat, and



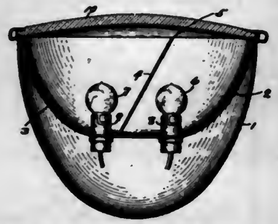
having its folded part protruding into the sleeve engaging and movably bearing beneath the upper part thereof.

1,480,427. COLLAR-BUTTON-DISPLAY TRAY. EARL UNDERWOOD, New York, N. Y., assignor to Krements & Company, New York, N. Y., a Corporation of New Jersey. Filed June 21, 1922. Serial No. 569,991. 1 Claim. (Cl. 211—28.)



A collar button display tray consisting of a base and rim, and provided with alternate parallel grooves and projections, the tops of which projections, extend laterally, a lining of suitable material, glued to the interior of the tray, excepting at the recesses that extend under the edges of the projecting portions, to provide a cushion spring for the collar buttons when they are inserted in the grooves, an inclined portion at the top of the tray to permit the insertion of the collar buttons in the grooves and their removal from same with facility.

1,480,428. LIGHTING STRUCTURE. CHARLES M. WALES, New York, N. Y. Filed Jan. 30, 1922. Serial No. 532,545. 4 Claims. (Cl. 240—41.)

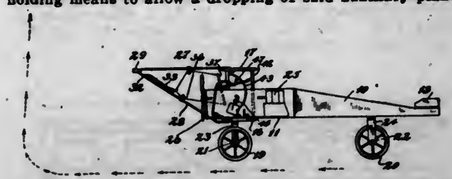


1. A lighting structure comprising side portions of two parabolic reflectors, said reflector portions being joined to each other by an intermediate portion, a vertically extending partition extending from said connecting portion to divide the structure into two compartments, and illuminative elements co-operating with said reflector portions, one element being located in the compartment at one side of said partition and the other being located in the compartment at the opposite side of said partition.

1,480,429. SELF-BALANCING AIRSHIP. SIMON YASULANTIS, Hoboken, N. J. Filed Nov. 18, 1922. Serial No. 601,798. 16 Claims. (Cl. 244—29.)

1. An air craft comprising an auxiliary plane, means for securing said plane in front of said craft, cables for normally holding said auxiliary plane in one plane with the plane of the fixed planes, means for normally holding

said cables taut, means for automatically releasing said holding means to allow a dropping of said auxiliary plane



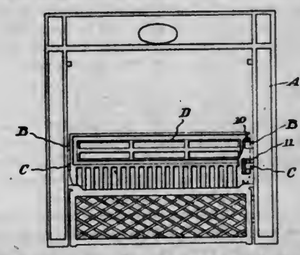
into inclined position to the plane of the fixed planes for stabilizing the falling craft, and means for locking the parts after the operation of said releasing means.

1,480,430. OIL BURNER. ELMER G. GIBSON, Herington, Kans. Filed Apr. 20, 1923. Serial No. 633,440. 8 Claims. (Cl. 158—4.)



2. An oil burner comprising, in combination with an oil conduit, an inclined spreader plate adapted to receive oil from the conduit, a trough at the lower end of said plate, an air supply conduit positioned below said plate, a damper pivotally mounted in said air supply conduit below said trough, and apertures in said trough permitting gravitation of said oil to said damper, substantially as described.

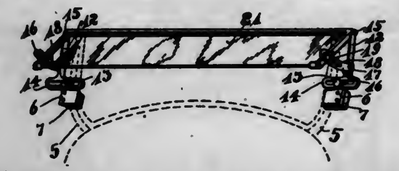
1,480,431. GRATE AND MOUNTING. THEODORE H. GRAF, Louisville, Ky., assignor to Southern Signal Company, Inc., Birmingham, Ala. Filed Apr. 29, 1922. Serial No. 557,860. 2 Claims. (Cl. 126—165.)



1. In combination, a fire place grate frame provided at its confronting edges with upper and lower lugs extending toward each other and formed integrally upon the frame, and a grate formed at the rear side of its upper corners with integral hooks engageable over the upper ones of said lugs, the grate being further formed on its rear side with brackets integral thereon and engageable over the lower lugs, said brackets being L-shaped in cross section with their free ends directed outwardly.

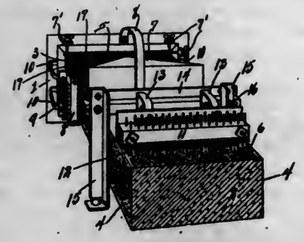
1,480,432. WINDSHIELD ATTACHMENT. GEORGE GLAUDEL, Los Angeles, Calif., assignor to Ben F. Forest, Los Angeles, Calif. Filed Mar. 8, 1922. Serial No. 542,087. 1 Claim. (Cl. 296—95.)

In a shading shield, a pair of clamping members at each end of the shading shield for engaging with the uprights of the framework of the wind shield of an automobile, one of the members in each pair having a lug projecting upwardly, a shading-shield proper, the shading shield proper being of standard width and nearly equal to the width of the wind-shield, a supporting arm pivotally engaged at each end with the shading shield proper, each arm having a slotted portion in its lower end forming in con-



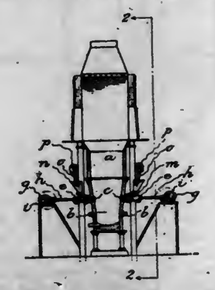
junction with the lug of the clamping members the adjusting means for the standard-sizes shading shield so as to make the standard shading shield applicable to the windshields of different widths, and securing means inserted through the slotted portions of the supporting arms and the lugs of the clamping members.

1,480,433. METHOD OF FORMING RUG TEXTURE SURFACES ON BRICK AND TILE AND THE LIKE. BOB GOBN, Millsap, Tex., assignor to Acme Brick Company, Fort Worth, Tex., a Corporation of Texas. Filed June 14, 1923. Serial No. 645,453. 3 Claims. (Cl. 25—156.)



1. A method of forming rug surfaces on the faces of brick and tile and the like which comprises treating the surfaces of green material while in motion to form matte surfaces and then scoring the matte surfaces while in motion to form the rug surfaces.

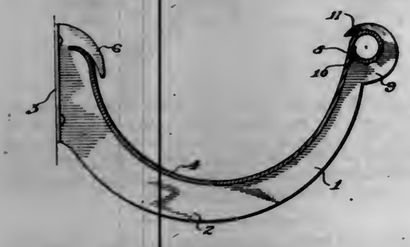
1,480,434. FEEDING OF FUEL TO BLAST FURNACES. EWART NOEL GOODE and MORGAN JONES JOHNS, Mount Morgan, Queensland, Australia. Filed June 30, 1923. Serial No. 648,788. 4 Claims. (Cl. 266—28.)



1. The combination with a blast furnace having a wall provided with tuyère openings near its lower end and fuel feeding openings arranged below the level of the charge and above the tuyère openings, of a series of tubular casings arranged to feed fuel through the fuel openings, a plunger reciprocatingly mounted in each cas-

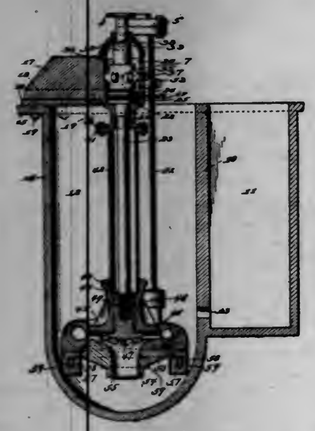
ing, a fuel throat supported above said casing and adapted to deliver fuel into the casing when the plunger is at the outermost end of its stroke, and fuel sealed means for preventing the admission of air or gas into the furnace through said casings and fuel feeding openings.

1,480,435. GUTTER BRACKET. IRVIN GREEN, Pontiac, Ill. Filed Mar. 18, 1921. Serial No. 453,314. 1 Claim. (Cl. 108—29.)



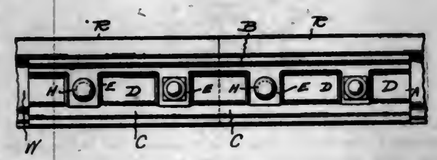
A gutter supporting bracket stamped from sheet metal and comprising an arcuate arm having an attaching portion on one end and having a hook-shaped gutter-roll engaging portion on its other end, said hook-shaped end forming more than three-fourths of a circle and adapted to be bent laterally of the bracket to be brought into engagement with the roll of a gutter.

1,480,436. PUMP. JAMES A. GRIFFIN, Baltimore, Md., assignor to E. S. Royster Guano Company, Norfolk, Va., a Corporation of Virginia. Filed Apr. 11, 1921. Serial No. 460,267. 3 Claims. (Cl. 103—103.)



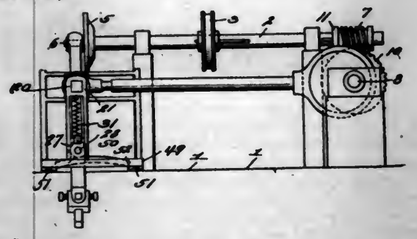
1. In a device of the class described, the combination of a receptacle containing the fluid to be pumped, a vertical driving shaft suspended from a thrust bearing and extending into said receptacle, a pump immersed in the fluid having an impeller secured to one end of said shaft, a casing for said impeller, having downwardly extending spaced lugs, a closure plate having wings received between and secured to the lugs, and a tubular housing for said driving shaft connected at one end to the pump casing, a bearing standard for supporting said thrust bearing and means for securing the bearing standard to said housing.

1,480,437. SPLICE BAR FOR RAIL JOINTS. EMORY L. GROFF, Washington, D. C., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Aug. 11, 1923. Serial No. 656,854. 13 Claims. (Cl. 238—243.)



1. A rail joint bar including a web having thinned sections and upright reinforcing enlargements located at the bolt-hole locations and alternating with said sections.

1,480,438. MACHINE FOR TRUING LENS-GRINDING LAPS. JOHN J. GUILFOYLE, FREDERICK W. WILKES, and BENJAMIN E. BRIERTON, Birmingham, Ala. Filed June 15, 1922. Serial No. 568,653. 10 Claims. (Cl. 29—76.)



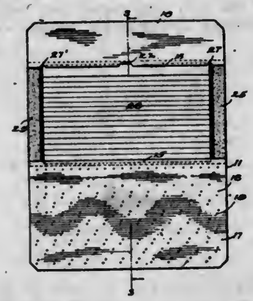
1. A machine for truing lens-grinding laps comprising, in combination, a lap-support, means for reciprocating a tool across the face of a lap on said support, said tool being shaped to conform with the shape to be given the face of the lap on one diameter thereof, means for moving the tool in a direction transverse to its direction of reciprocation, and means governing the path of the latter movement of the tool in conformity with the curvature to be given the face of the lap on a diameter transverse to the diameter first mentioned.

1,480,439. TREATMENT OF SULPHIDE AND OXIDIZED ORES. HENRY JOHN EDMUND HAMILTON, North Broken Hill, New South Wales, Australia. Filed July 16, 1920. Serial No. 396,782. 2 Claims. (Cl. 75—18.)

1. A process for separating metalliferous substances from each other and from their gangue constituents; characterized in that the ores, and ore products, containing such metalliferous substances are (a) subjected to a selective chloridizing roast at a temperature below or approximating 400 degrees centigrade in an open furnace to which air has free access; (b) then leached in the presence of a boiling or hot temperature solution of a chloride of an alkali metal, such as sodium chloride (common salt); and (c) then subjecting the resulting solution to the action of a metallic precipitant to deposit the lead and silver.

1,480,440. CARD HOLDER FOR TYPEWRITERS. WALTER A. HARDMAN, Brooklyn, N. Y. Filed Aug. 16, 1922. Serial No. 582,233. 2 Claims. (Cl. 197—135.)

1. A device of the character described comprising a body portion, a rib crimped in said body portion adjacent one end and extending transversely of said body portion, a second rib formed by crimping the body portion, said second rib extending transversely of the body portion in spaced relation to the first-mentioned rib,



said first-mentioned rib being provided with a plurality of notches to facilitate the insertion and removal of the card between spaced ribs.

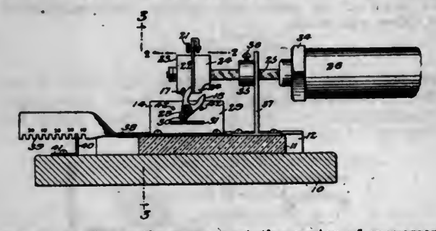
1,480,441. CENTRIFUGAL PUMP. FRANK P. HARMON, Lisbon, Tex., assignor of one-fourth to Thomas S. Pitcock, Dallas, Tex. Filed Jan. 6, 1922. Serial No. 527,434. 2 Claims. (Cl. 103—100.)



1. In a centrifugal pump, the combination of an upright supporting frame, a plate mounted on the upper end of the frame, a stuffing box carried by the plate, a pump housing mounted on the plate having an outlet, a tubular shaft passing through the stuffing box into the housing, a circular head mounted on the shaft within the housing and having a plurality of radial passages connecting with the tubular shaft, plugs in the outer ends of said passages having elevated discharge openings, whereby a level of fluid is maintained in said passages for priming said head, a transverse support in the frame, means connected with said tubular shaft and mounted on said support for rotating said tubular shaft, and a stationary tubular shaft coupled to the lower end of the rotatable shaft.

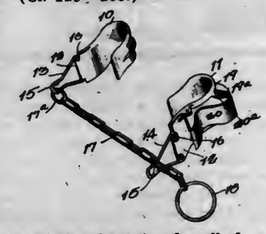
1,480,442. CIRCUIT BREAKER. JOHN THOMAS HECK, Hedrick, Ind. Filed June 9, 1922. Serial No. 567,039. 10 Claims. (Cl. 200—67.)

1. A circuit controller including a rockable element, a slidable and adjustable insulating member mounting said element, a plunger subject to fluid pressure, means on said plunger to rock said element, and means to make or break an electric circuit by the rocking of said element; together with a spring acting on said rockable



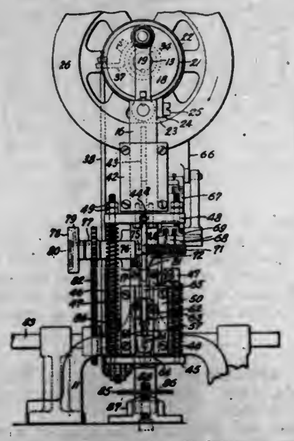
element to throw the same past the center of movement in either direction when said rockable element is moved to a given position by the movement of the plunger.

1,480,443. ANIMAL HOPPLE. EDGAR HERMAN, Fairfield, Iowa. Filed Dec. 7, 1922. Serial No. 605,415. 1 Claim. (Cl. 119—105.)



In a device of the character described, a substantially hook-shaped shackle having the inner surface thereof smooth, one of the side members of the shackle being longer than the other side member and having at its outer end at the outer side thereof a pair of tubular eyes, said tubular eyes being in alignment transversely of the shackle, and a clevis having the inturned end portions of the arms thereof journalled in said tubular eyes, said clevis having a relatively narrow free end portion adapted to engage with the links of a chain.

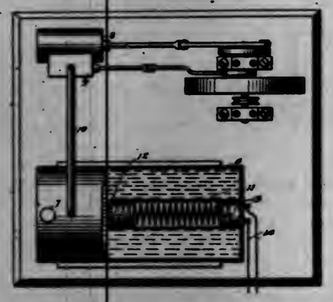
1,480,444. NAILING MACHINE. LESLIE A. HOLMAN, Waltham, Mass. Filed Dec. 6, 1919. Serial No. 343,018. 5 Claims. (Cl. 1—1.)



1. In a nailing machine, a nail driver, a nail holder positioned below the driver, a yoke on the nail holder, guide rods rigidly connected to the ends of said yoke

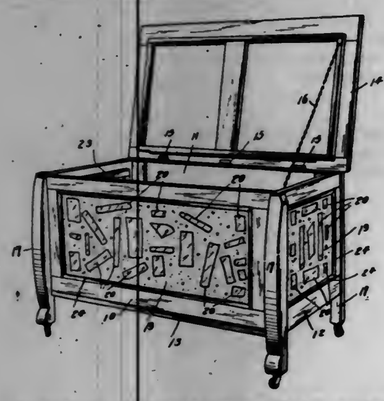
having slidable engagement with the nail driver, springs in compression between the yoke and driver, and adjustable stops on the guide rods limiting the separation of the driver and holder.

1,480,445. TOY ELECTROSTEAM ENGINE. SCOTT DEILY HOBLACHER and WILLIAM EDWIN HOBLACHER, Tunkhannock, Pa. Filed Mar. 13, 1922. Serial No. 543,506. 1 Claim. (Cl. 219—38.)



As an article of manufacture a toy comprising a steam engine, a steam generator, a tubular member mounted within the steam generator, and an electric heating element adapted to be received within said tubular member and retained therein in adjusted position, the position of the heating element relative to the tubular member determining the volume and pressure of the steam generated therein, and thus determine the speed of operation of the engine.

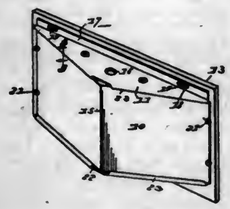
1,480,446. PACKING AND STORING CHEST. JULIUS HOWELL, St. Louis, Mo. Filed Jan. 27, 1923. Serial No. 615,260. 2 Claims. (Cl. 217—7.)



1. A chest of the character specified comprising a skeleton frame, a panel therein of plastic material having facial inserts of glass of irregular shape and varicolored, a molding preventing outward displacement of the molded frame, a lining covering the rear side of the panel, and strips retaining the lining in place.

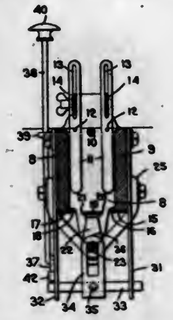
1,480,447. REFLECTOR BOX. MARTHA MAE HUSTON, Springfield, Ohio. Filed Oct. 3, 1921. Serial No. 505,063. 1 Claim. (Cl. 40—132.)

A reflector box for signs consisting of a rear wall formed with a single blank of sheet material and bent on an intermediate vertical line to form an angle to dispose the terminal portions of the back in angular relation to properly reflect and concentrate light supplied by a light unit, a frame having on its rear side edges headed studs with which notches formed in the side rear edges of the back wall engage, the material of the back wall providing spring action tending to keep said



notches in engagement with the studs to preclude rattling, and top and bottom triangular walls having interlocking engagement with the edges of the rear wall at their rear ends and detachably secured to the frame at their front edges.

1,480,448. WARP STOP MOTION FOR LOOMS. PATRICK KEEGAN, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 17, 1922. Serial No. 575,523. 1 Claim. (Cl. 139—351.)

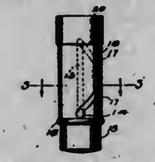


A warp stop motion for looms comprising a series of flat warp detectors normally supported in parallelism by the warps, a pair of parallel bars extending longitudinally of the edges of the series of detectors, means operated by a moving part of the loom to give a relative lateral reciprocation to said bars and cause them to grasp a dropped detector by its edges and thereby effect the stopping of the loom, a vertically movable handle rod mounted for vertical movement on a fixed part of the loom and extending upwardly above the warp sheet into a convenient position to be reached by the operator, and a lever connection between said handle rod and said bars acting upon movement of the handle rod to effect a relative longitudinal movement of the said bars whereby upon the movement of the handle rod by the operator after the loom is stopped the dropped detector will be twisted out of parallelism with the other detectors thereby to indicate the position of the dropped detector.

1,480,449. LIP-STICK HOLDER. WILLIAM G. KENDALL, Newark, N. J., assignor to Henri Rigaud, Paris, France, also known as Parfumerie Rigaud, New York, N. Y. Filed Aug. 2, 1922. Serial No. 579,242. 2 Claims. (Cl. 206—56.)

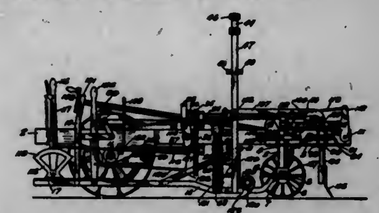
1. In a device of the character described, comprising an outer casing provided with a spiral slot, a tubular member mounted in said casing and provided with a straight slot, an article carrier mounted within said

second tubular member, and means carried by the article carrier and projecting through the straight slot of the



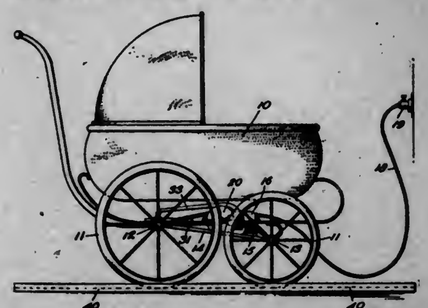
tubular member and the spiral slot of the outer member, whereby upon rotation of the tubular member the article carrier will be projected from the container.

1,480,450. ICE-HARVESTING MACHINE. ELMER E. KEYSER, Sioux City, Iowa. Filed May 8, 1922. Serial No. 559,269. 5 Claims. (Cl. 262—20.)



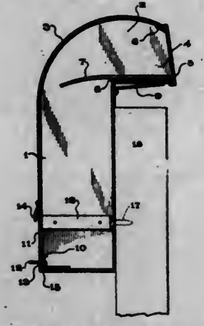
1. An ice harvesting machine comprising a portable frame, a vertical track secured to said frame, a sliding carriage guided by said track for vertical reciprocation, a horizontal mandrel journalled in bearings secured to said carriage, a saw carried by said mandrel, adapted to cut a groove in the surface of an ice-field, a shaft journalled in said frame in parallelism to said mandrel, said shaft being externally screw threaded, a guide having a screw threaded bore engaging the threaded portion of said shaft, said guide being normally depressible into the groove cut in the ice-field by said saw, said guide being lifted when confined within the sides of said groove by rotation of said shaft and transversely shiftable by rotation of said shaft when not so confined.

1,480,451. BABY CARRIAGE. CAMILLE J. KOCH, Bayou Goula, La., assignor of one-half to Edward G. Koch, Bayou Goula, La. Filed Aug. 29, 1922. Serial No. 584,978. 5 Claims. (Cl. 180—1.)



1. In an arrangement of the class described, a wheeled vehicle, a driving axle for a pair of said wheels, an electric motor mounted on said vehicle, a sleeve carrying a pinion loosely mounted on said axle, means for coupling said sleeve to said axle, a rack for oscillating said pinion and means for connecting said rack to said motor for reciprocating said rack.

1,480,452. MAIL BOX. OLE O. KOLSTAD, Duluth, Minn. Filed Sept. 29, 1922. Serial No. 591,886. 3 Claims. (Cl. 232—17.)



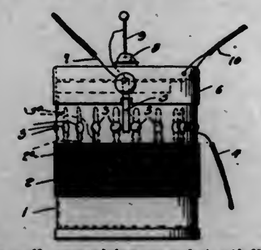
1. A mail box of the character described having a laterally disposed extension formed at its upper end and the rear wall of the box being curved over said extension to form the top thereof, a flanged closure for the extension and being hingedly secured to the curved top, a substantially U-shaped reinforcing strip secured to the inner face and side walls of the box adjacent its bottom, a fastening element passing through the reinforced portion intermediate its ends and securing the box to a post so as to position the said extension in spaced relation from the top of the post and a substantially V-shaped spring having its ends secured to the box between the extension and post respectively for the purpose specified.

1,480,453. SASH-GEAR BALANCE. LOUIS LANE, Habana, Cuba. Filed Aug. 30, 1922. Serial No. 585,268. 3 Claims. (Cl. 20—52.)



1. In a window, a window frame having vertical jamb elements, stops outside of said jamb elements, sliding sashes, channel side members on said sashes, each channel member having a longer and a shorter leg, the longer legs extending between said jamb elements and said stops and formed with racks, the shorter legs of the channel members having their edges adjacent to the faces of said jamb elements, pinions meshing with said racks, and means to constrain the pinions to turn in unison in opposite directions.

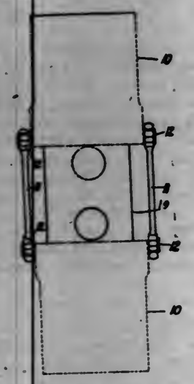
1,480,454. RADIO TUNING COIL. JAMES L. MCLAUGHLIN, New York, N. Y., assignor to Sidney Gernsback, New York, N. Y. Filed June 29, 1922. Serial No. 571,606. 1 Claim. (Cl. 171—119.)



A tuning coil comprising a substantially cylindrical body member, a coil wrapped peripherally about the

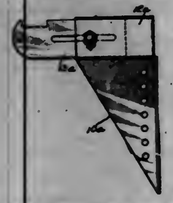
body member, a top member on said body member, one of said members being turnable with respect to the other member, contacts in insulated relation to the coil, said contacts having heads disposed exteriorly of the body member and in a row about the body member intermediate the coil and top member, a contact blade carried by said top member for coacting engagement with said heads, said contacts having securing shanks extending from the heads through and interiorly of the body member, and conductors leading from the coil secured to the shanks interiorly of the body member.

1,480,455. CYLINDER MORE PARTICULARLY THOSE FOR COMBUSTION ENGINES. JOHN CAMPBELL MACCALL MACLAGAN, Drumchapel, Scotland, assignor to North British Diesel Engine Works (1922) Limited, Glasgow, Scotland. Filed Mar. 28, 1923. Serial No. 628,233. 3 Claims. (Cl. 74—108.)



1. A cylinder element more particularly for combustion engines comprising two end members connected together at their inner ends by a separate structure consisting of a series of links.

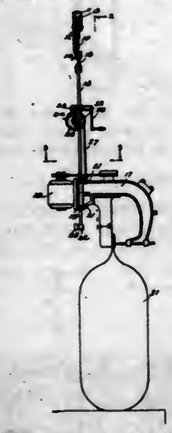
1,480,456. RADIATOR BRACKET. EDWARD J. MALLEN, New York, N. Y. Filed Jan. 20, 1922. Serial No. 530,711. 2 Claims. (Cl. 248—30.)



1. A radiator supporting bracket, comprising a triangular base member having at its rear vertical edge a right angular and apertured flange and provided at its upper end with a flange extending downwardly in parallel and spaced relation thereto, the base and flange having registering openings, a supporting arm slidable in the space between the base and flange and having a longitudinal slot, and a bolt passing through the openings of the base and the slot of the arm.

1,480,457. MOUNTING FOR SEWING-MACHINE HEADS. JEREMIAH F. MARTIN, Pawtucket, R. I. Filed June 21, 1922. Serial No. 569,979. 1 Claim. (Cl. 112—11.)

A swingable sewing machine for sewing filled bags adapted to be suspended by an overhead track and comprising a guide bar, means for supporting the guide bar upon the overhead track and providing for linear movement of the bar, means for removably connecting the bar with the supporting means and including means to permit rotation and swinging of the bar, a sewing machine head slidably mounted on the guide bar, means for connecting the sewing machine head to said bar and providing for vertical adjustment of the head on the bar, said sewing machine head being adapted to straddle the unsupported tops of the bags and adapted to be rocked in a plurality of directions to conform to the movements of the tops of the bags and support the tops of the bags when said bags are being sewed.



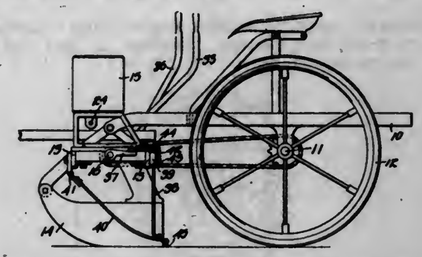
1,480,458. EDUCATIONAL APPLIANCE. SAMUEL D. MERSHON, Rahway, N. J., assignor of one-fourth to Theodore G. Auge, Rahway, N. J. Filed Sept. 17, 1921. Serial No. 501,432. 1 Claim. (Cl. 35—12.)



An educational appliance, comprising a plurality of sheets each having the representation of an object intended to be multi-colored, each object being sub-divided by outlined areas, and a plurality of sheets each having one side colored in a single color, the colors of the sheets being different, the other sides of the sheets being each provided with outlined sub-divisions, the sub-divisions of the several sheets corresponding in number with the areas of the several objects on the first sheets, said sub-divisions being adapted to be cut out and applied to the areas of the several objects of the first sheets to effect the multi-coloring of said objects.

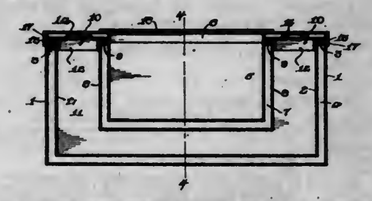
1,480,459. CORN PLANTER. HOWARD N. NAUGLE, Waynesboro, Pa., assignor of one-fourth to David R. Wishard and one-third to Maurice Harbaugh, both of Waynesboro, Pa. Filed Apr. 27, 1922. Serial No. 556,978. 1 Claim. (Cl. 111—30.)

In a wheel-supported corn planter having a pair of seed boxes and means for dropping predetermined amounts of seeds therefrom, a transverse shaft adjacent said seed boxes and driven from the supporting wheels of the machine, means on the shaft for operating the dropping mechanism, marking shoes normally contacting with the ground, a tie member associated with each of said shoes, each member being pivoted to the frame and extending downwardly for connection with each shoe, a vertically reciprocable rod fastened to each shoe and extending



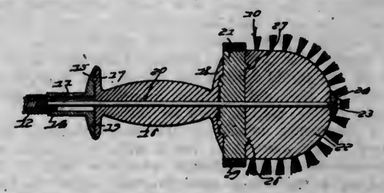
through a bearing in the frame each rod having a bent over upper end, arms mounted on the shaft adapted to contact with the bent over ends of the rods to reciprocate the rods to move the shoes, and springs secured to the frame and adapted to return the shoes to their normal position adjacent the ground, substantially as set forth.

1,480,460. SAMPLE CASE. ARTHUR O. NUTTALL, Chicago, Ill. Filed Aug. 20, 1921. Serial No. 493,908. 4 Claims. (Cl. 220—16.)



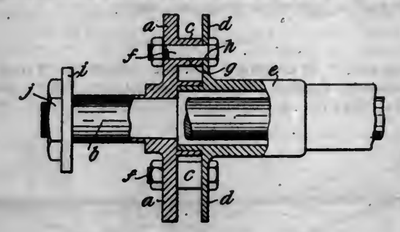
1. A sample carrying case comprising a sample containing compartment, a refrigerant compartment about said sample containing compartment, said compartments having double walls with air spaces therein, removable sealing covers for said refrigerant compartment, hinged covers mounted over said sealing covers, and a hinged cover for said sample containing compartment, said sample compartment cover having its edges overlapping the edges of the hinged covers of said refrigerant compartment.

1,480,461. SHOE-POLISHING MACHINE. WILLIAM H. NUTTER, Kearney, Nebr. Filed May 24, 1921. Serial No. 472,255. 2 Claims. (Cl. 15—23.)



1. A device for the purpose indicated having a rotatable spindle, a grip revolubly mounted on the spindle, a head carried by the spindle in abutting relation to the grip and polishing and brush units of which the former consists of a disk having a peripheral rubbing surface, the brush unit being removably seated upon the exterior surface of said disk, said brush unit and disk having interlocked engaging faces.

1,480,462. EMERGENCY AXLE FOR MOTOR VEHICLES. GEORGE STRANGE OWEN, Chelsea, London, England. Filed July 22, 1918. Serial No. 246,108. 1 Claim. (Cl. 301—130.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



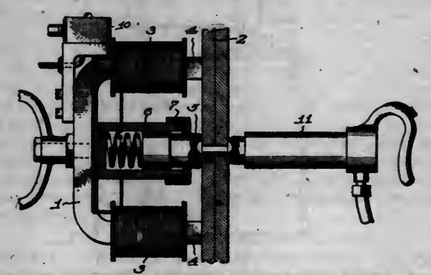
An auxiliary axle unit comprising a body including an axle-boss, and an integral circular flange portion having tubular offset fastening receiving and spacing legs at the side opposite the boss and arranged in circumferentially spaced relation, and fastening bolts arranged in the tubular leg portions for attaching the unit to the housing flange of the axle construction.

1,480,463. BODY FOR FILLING COLUMNS, TOWERS, ETC. GUSTAV PETZEL, Zurich, Switzerland, assignor to the Firm Gustav Weinmann, Zurich, Switzerland. Filed Mar. 25, 1921. Serial No. 455,563. 2 Claims. (Cl. 261—95.)



1. A body for filling columns, towers, etc., to enlarge the contacting surface of a liquid flowing in one direction and of a gas flowing in opposite direction having a number of wings arranged at suitable angles to each other the wings being provided with corners, the length of said body being approximately equal to the diameter of a cylinder encircling said body.

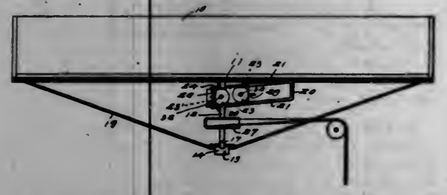
1,480,464. HOLDER-ON FOR RIVETING MACHINES. WILLIAM A. PUNGS, Detroit, Mich. Filed Oct. 16, 1920. Serial No. 417,345. 1 Claim. (Cl. 78—50.)



A device for the purpose described comprising a pair of electro-magnets, a tubular casing mounted between said magnets, a head having an enlarged inner end portion to slide within said tubular casing, an outer reduced end portion to project from the casing, a cap detachably secured to the end of the casing and having an opening through which the reduced outer end portion of the head

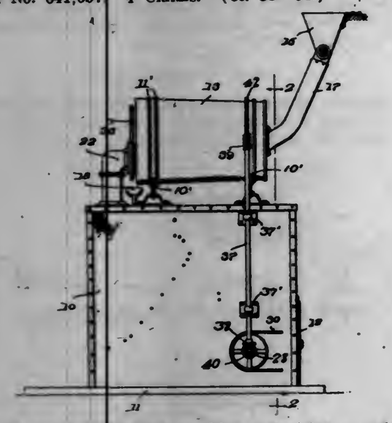
projects, said cap forming a stop to limit the outward movement of said head and being detachable for the ready removal of the head from the casing, and a spring within said tubular casing engaging the inner end of said head to normally hold the head with its reduced end portion projected from the casing.

1,480,465. GYRATORY FLOUR SIFTER. JACOB E. RAMSEY, Spokane, Wash. Filed Sept. 7, 1922. Serial No. 586,677. 1 Claim. (Cl. 83—38.)



In combination with a sifter box, a vibrating apparatus having a revolvible spindle arranged in substantially perpendicular relation with and seated at one end upon the bottom of the box, a foot bearing for the other end of said shaft, said foot bearing connected by braces with the bottom of the box, an eccentric weight carried by said spindle, the spindle being provided with a looped offset forming a radial guide which is inclined upward toward its outer end for directing the movement of the weight toward and from the axis of rotation, the spindle being provided with a looped retaining member for limiting the inward movement of the weight, the weight being provided at its inner end with a recess adapted to receive said loop, the looped retaining member and recess co-operating to permit said weight to project to both sides of the axis of rotation when said weight is in normal position, and a cushioning spring carried by said looped retaining member and adapted to contact with the weight when in normal position.

1,480,466. CONCENTRATING MACHINE. PHILIP F. REINHART, Meriden, Conn. Filed May 26, 1923. Serial No. 641,657. 4 Claims. (Cl. 83—54.)



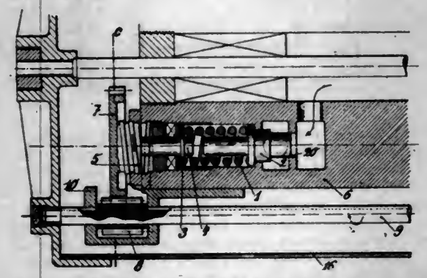
1. An ore concentrating machine comprising a casing, a drum mounted for rotation thereon and adapted to receive the material to be dealt with, means for creating a suction in said casing, a perforated suction chamber horizontally disposed within the drum and communicating with said casing, means for adjusting said chamber horizontally and vertically with respect to the drum, means for holding said suction chamber fixed in any given position with relation to the drum, means for rotating said drum, and a baffle plate arranged within the casing and upon which the material conveyed from the drum is deposited, said drum having an outlet at one end, and a trough arranged beneath said outlet to receive the material passing through the drum.

1,480,467. DRIVING WHEEL FOR CLOCKS. CLIFFORD G. RILEY, Sale, England. Filed Jan. 21, 1922. Serial No. 530,960. 1 Claim. (Cl. 58—46.)



In a weight driven clockwork mechanism a compound driving wheel stamped from sheet metal comprising a dished centre pierced out to form the teeth, half of the teeth being bent outwards at their base forming a serrated groove adapted to receive the weight cord and the periphery formed with pinion teeth adapted to mesh with the clock train substantially as described.

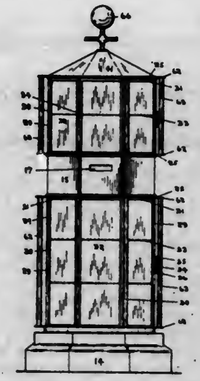
1,480,468. REGULATOR FOR THE OUTLET OF LIQUID IN ARTILLERY BRAKES. EMILE RIMAILHO, Paris, France, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Filed Oct. 2, 1923. Serial No. 666,145. 4 Claims. (Cl. 89—43.)



3. A regulating device for the outlet of liquid in an artillery brake adapted to recoil with the cannon in a cradle pivoted to the carriage when the shot is fired, comprising a throttling valve disposed upon the brake, a spring serving to close the said valve, a shaft disposed in the cradle and situated parallel with the direction of sliding of the cannon and brake controlling means slidable upon said shaft and adapted to impel the said spring against the said valve, said spring having a sufficient strength to balance pressure exercised upon the valve by the liquid during the recoil, and a mechanism for rotating the said shaft in accordance with the inclination of the cannon upon its carriage.

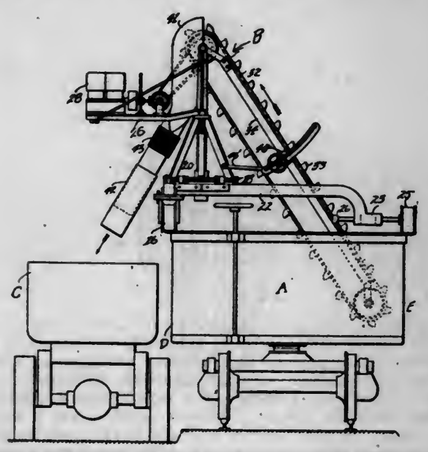
4. A regulating device for the outlet of liquid in an artillery brake adapted to recoil with the cannon in a cradle pivoted to the carriage when the shot is fired, comprising a throttling valve disposed upon the brake, a spring serving to close the said valve, a stop-rod limiting the lift of said valve, a nut disposed upon the brake, a screw turning therein and adapted to impel the said stop-rod towards the said valve, and controlling means for rotating the said screw in accordance with the pivoting movements of the cannon upon its carriage, said means being adapted to operate independently of the sliding of the cannon in its carriage.

1,480,469. COMBINED POSTAL AND ADVERTISING PILLAR. GREGOR ROBERTSON, Adelaide, South Australia, Australia. Filed Dec. 15, 1922. Serial No. 607,145. 7 Claims. (Cl. 40—33.)



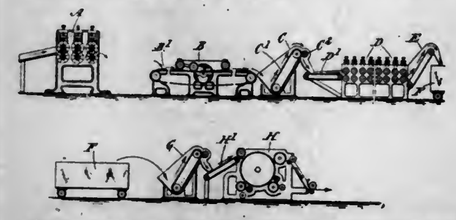
1. A combined postal and advertising pillar comprising a stationary postal pillar adapted to receive the mail matter, said pillar having adjacent its upper end an opening for placing the mail therein and near the bottom a door for removing the mail, lower and upper frames rotatable about the upper and lower parts of the stationary pillar in spaced relation to each other, hinged frames attached to such main frames, and panels carried by the hinged frames upon which advertisements are displayed.

1,480,470. UNLOADING MACHINE FOR RAILROAD CARS AND THE LIKE. ROBERT C. ROSENBERG, Jr., San Francisco, Calif. Filed Dec. 12, 1921. Serial No. 521,717. 3 Claims. (Cl. 198—88.)



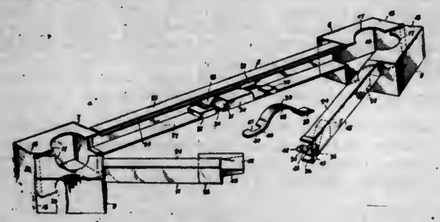
1. A machine of the character described adapted to rest and travel upon the top of the walls of a car, said machine comprising a supporting frame, a turn table connected to said frame, a vertical standard positioned in said turn table, a yoke connected to said standard, endless conveying means for receiving the material in the car and delivering the material outside the car, mechanism for actuating said conveying means, means for adjusting the conveyor to retain the same in a fixed receiving and delivering position, and means connected to said turn table for compensating for various widths of cars so that the machine may be balanced thereon, said means including a cross arm provided with a sleeve, and a shaft longitudinally movable in said sleeve.

1,480,471. TREATMENT OF JUTE AND LIKE FIBROUS MATERIAL. FREDERICK DAVID STEWART SANDEMAN, Dundee, Scotland, assignor to Jute Industries Limited, Dundee, Scotland, a Company of Great Britain. Filed Sept. 12, 1921. Serial No. 500,114. 8 Claims. (Cl. 19—65.)



3. A process for the treatment of fibrous material such as jute having long fibres according to which the material is first opened, next the fibres are cut so as to reduce them to a length of from seven inches to two feet, the cut fibres being delivered automatically into a hopper feed mechanism and thereby delivered to a softener, the fibres next being delivered automatically from the softener into barrows whence the fibres are taken and placed in a hopper feed mechanism which delivers them automatically on to the feed sheet of a breaker card.

1,480,472. GAS-METER-PROTECTING MEANS. GEORGE H. SAUTON, New Orleans, La., assignor of one-sixteenth to Edward H. Walsdorf and one-sixteenth to Louis Hufft, both of New Orleans, La. Filed Aug. 18, 1922. Serial No. 582,669. 10 Claims. (Cl. 70—122.)



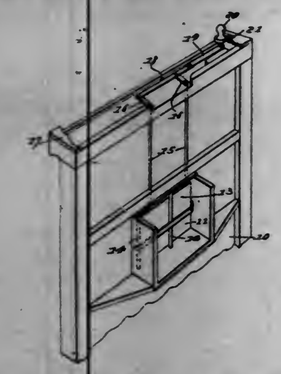
1. In a gas meter protecting means, the combination with the coupling joints of pipes communicating with a meter, of enclosing means completely covering each joint and having hollow members extending from one to the other of the said means, the hollow members being in part fixed to the enclosing means and in part movably associated with the latter and provided with interfitting extremities and movable to and from the fixed parts of the hollow members, and locking devices completely held and concealed within the said members and automatically secured when the movable members are closed to protect the locking devices against exterior manipulation.

1,480,473. PROCESS FOR THE WORKING UP OF LINOLEUM SCRAPS INTO NEW LINOLEUM. VICTOR SCHOLS, Tauer, Germany, assignor of one-half to the Firm Carl Tiedemann, Chemische Werke, Coswig-Dresden, Germany. Filed Aug. 8, 1921. Serial No. 490,766. 2 Claims. (Cl. 106—7.)

1. In a process for working up scrap linoleum of all kinds into new linoleum by treating the scrap with organic solvents, the using of so small a quantity of

organic solvents that a mere softening of the scrap occurs which renders it possible to remove the jute fibres by a mechanical means, after which the regenerated basic linoleum pulp is reconverted into new linoleum.

1,480,474. WASHBOARD. ALECK SHIMKUS, Hamtramck, Detroit, Mich. Filed Sept. 25, 1922. Serial No. 590,412. 1 Claim. (Cl. 68—29.)



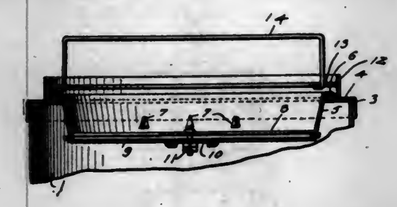
A washboard having a seat for receiving a soap cake with the front surface of the latter substantially in the plane of the rubbing surface of the board, a plunger movably mounted in said seat for contact with the rear surface of the soap cake, an operating knob mounted upon the head of the washboard within convenient reach of the hand of the operator, and operating connections between said knob and the plunger, whereby a progressive advance of the latter toward the plane of the rubbing surface may be effected, said connections including rock shafts having crank arms to which said plunger is attached and operating arms disposed adjacent to the head of the washboard, and a slide bar connected with said operating arms and having a link connection carrying said knob.

1,480,475. DOOR MOUNTING. WALTER S. SLANGERUP, Omaha, Nebr., assignor to Perfection Door Mounting Hinge Company, Omaha, Nebr. Filed June 23, 1923. Serial No. 647,382. 3 Claims. (Cl. 16—151.)



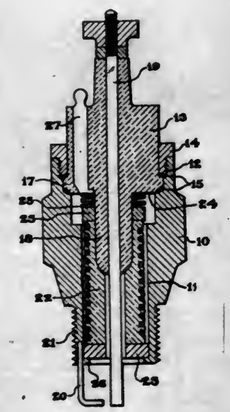
1. In a door mounting, a lower vertical sleeve, an upper vertical sleeve each being provided with a flange, a pair of wing-plates each being provided with a pintle for engaging in a sleeve and having a flange extending outwardly of its sides at its junction with the pintle for engaging the flange of the sleeve, each wing-plate being disposed in line with the longitudinal axis of its pintle to permit the door to engage a selected side of a wing-plate in engagement with the flange thereof.

1,480,476. SELF AND EVER SET TRAP. GEORGE WESLEY STEELE, Double Springs, Ala., assignor of one-half to John C. Steele, Double Springs, Ala. Filed May 12, 1923. Serial No. 638,556. 1 Claim. (Cl. 43—69.)



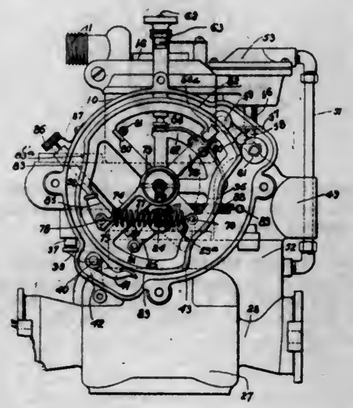
A self-set trap comprising a vessel, a rim fitted to the top of the vessel and having a flange engaging the outer side of the vessel at the upper edge thereof and having an inner flange projecting inwardly of the vessel, a tapering collar having an outer flange overlapping the inner flange of said rim and suspending the collar in the upper portion of the vessel in spaced relation from the sides thereof and with its smaller portion disposed lowermost, a trap door pivotally mounted in the lower portion of the collar and within the vessel, the pivotal mounting of the trap door comprising a shaft having its ends journaled in opposite sides of the collar and means clamping the trap door to the shaft, a second rim embracing the outer flange of the collar and resting upon the inner flange of the first mentioned rim, and said second rim having an inwardly disposed flange to form a ledge and a crosspiece mounted upon the inner flange of the second rim, and disposed over and spaced above said trap door.

1,480,477. SPARK PLUG. JOHN CASIMIR SULB and WILLIAM WYATT, Philadelphia, Pa. Filed July 12, 1922. Serial No. 574,372. 1 Claim. (Cl. 123—169.)



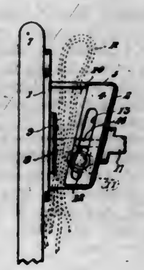
A spark plug embodying a housing, power and ground electrodes, a core secured to the housing and having a reduced extension projecting into one end of the housing and defining a shoulder at the inner end of said extension, a resistance coil located within the housing and having one end surrounding the core extension, a coiled spring surrounding said extension between the coil and shoulder, a stop within the housing for engagement with the opposite end of the coil and a terminal extending through the core and having one end engaging the spring.

1,480,478. CARBURETOR. GEORGE H. TABER, Binghamton, N. Y. Filed Apr. 11, 1919. Serial No. 289,350. 9 Claims. (Cl. 123—119.)



1. In a carburetor, the combination of a fuel feed manifold connection, down feed connections for gaseous or liquid fuels thereto, means to control the delivery of fuel and air through the carburetor and supplementary warm air delivery means through the carburetor and through the manifold connections aforesaid for supplying fresh heated air to the engine when the air and fuel supplies are shut off.

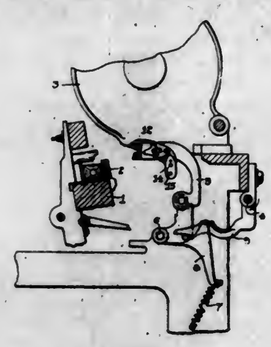
1,480,479. REIN HOLDER. PAUL TRUSKOWSKI, Remsen, N. Y. Filed Apr. 24, 1923. Serial No. 634,267. 2 Claims. (Cl. 280—183.)



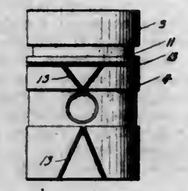
1. In a rein holder, a casing having an end opening and an outer wall extending on an incline to the inner wall, a roughened gripping plate therein, and a sliding cylinder wedge cooperating with the gripping plate, there being a slotted opening in the inclined outer wall of the casing and a finger extending through the slot, positioned above the wedging cylinder and operable exteriorly of the casing for forcing the wedging cylinder into operative engagement with reins.

1,480,480. THREAD-CLAMPING MECHANISM FOR LOOMS. ARTHUR C. VARNUM and JAMES ERNEST BIRDSALL, Southbridge, Mass. Filed Mar. 10, 1922. Serial No. 542,668. 5 Claims. (Cl. 139—264.)

1. In an automatic filling replenishing loom, the combination with a thread parter to act upon the thread of the filling supply to be abandoned, and comprising a movable blade and a surface of revolution, of means for moving said blade to clamp the thread by rolling friction between said blade and said surface of revolution.

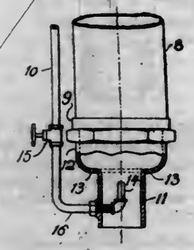


1,480,481. PISTON. ROBERT W. WAKEFIELD, Langeloth, Pa. Filed Sept. 23, 1921. Serial No. 502,733. 2 Claims. (Cl. 74—108.)



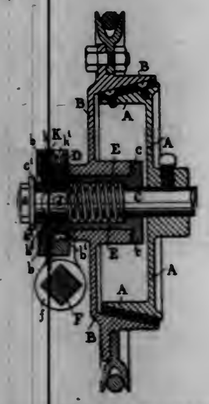
1. A piston having an annular oil collecting groove immediately below a piston ring groove, said piston having oil grooves intersecting the oil collecting groove and intersecting each other, said last named grooves intersecting at a point to deliver the collected oil, to the wrist pin bearing of the piston.

1,480,482. PUMPING APPARATUS. HERVEY J. WHEELER, Brooklyn, N. Y., assignor to H. J. Wheeler Salvage Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,698. 6 Claims. (Cl. 103—4.)



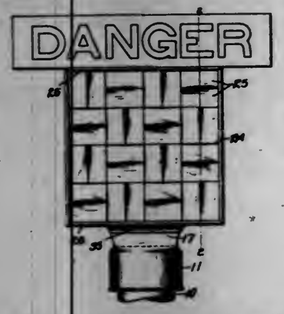
5. In an apparatus for pumping viscous material, a vacuum suction line, means for allowing air to expand into said suction line and mix with the viscous material to be pumped and means for heating the pumped mixture necessarily cooled by the air expansion.

1,480,483. CLUTCH DRIVING MECHANISM. HENRY WEILDING, Belfast, Ireland, assignor to York Street Flax Spinning Company Limited, Belfast, Ireland. Filed Aug. 11, 1921. Serial No. 491,529. 1 Claim. (Cl. 192—66.)



A friction clutch driving mechanism for spinning frames and other machines comprising the combination with a driven clutch member adapted to be affixed to a shaft, a driving clutch member free to rotate around a shaft and a sleeve upon which the latter is free to rotate, formed with an internal recess, of a spring within the recess in the sleeve to move it and the clutch member mounted thereon in one direction, a bush within the sleeve against which one end of the spring abuts and adapted to be affixed to the shaft, a stop washer secured to the exterior of the sleeve to maintain the clutch member in position thereon and a ring on the stop washer provided with trunnions by which to move the sleeve against the pressure of the spring substantially as described.

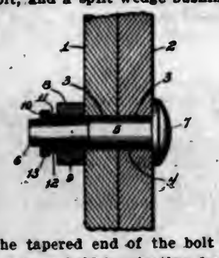
1,480,484. SIGNAL. JOHN A. WERTS, Canton, Ohio. Filed Dec. 9, 1922. Serial No. 605,941. 8 Claims. (Cl. 88—1.)



1. A signal comprising a plurality of rectangular reflecting surfaces arranged in pairs to cast sets of diverging beams, said pairs of surfaces being so arranged that the gap between each set of diverging beams is filled by beams from one or more adjacent reflecting surfaces, substantially as set forth.

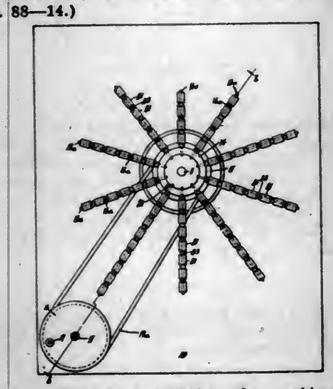
1,480,485. FASTENING BOLT OR RIVET. KELLEY G. YONCE, Ridge Spring, S. C. Filed Feb. 23, 1923. Serial No. 620,801. 2 Claims. (Cl. 85—5.)

1. A bolt or rivet having a shank provided with a cylindrical end portion and a tapered end portion, a head upon the cylindrical end portion, a collar having a tapered bore adapted to fit upon the tapered end portion of the bolt, and a split wedge bushing adapted to be



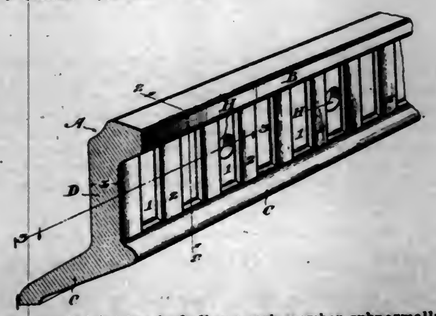
fitted upon the tapered end of the bolt and driven into said collar and to be held by riveting down the extremity of the tapered end of the bolt.

1,480,486. COLOR MODEL. ARTHUR S. ALLEN, North Tarrytown, N. Y., assignor to Munsell Color Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 18, 1921. Serial No. 438,106. 5 Claims. (Cl. 88—14.)



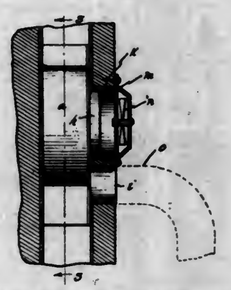
1. In a color display device, the combination of a standard, collars mounted thereon having radially extending arms, colored blocks detachably supported upon the arms, the colors of the blocks on the same arm having the same light value and each arm bearing a neutral gray color corresponding to the value of the colors of the blocks mounted thereon.

1,480,487. LIGHTENED CONSTRUCTION FOR RAIL JOINTS. VICTOR C. ARMSTRONG, New York, N. Y., and EMORY L. GROFF, Washington, D. C., assignors to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed June 28, 1923. Serial No. 648,315. 6 Claims. (Cl. 238—243.)



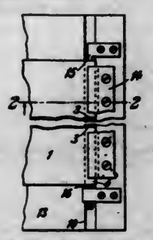
1. A rail joint bar including a web member subnormally thinned at intervals and a rail engaging top chord overhanging such member.

1,480,488. VENTILATOR OR AIR EJECTOR. KENNETH M. DE VOS and EARLE W. BAGG, Detroit, Mich. Filed Jan. 14, 1922. Serial No. 529,149. 5 Claims. (Cl. 98—25.)



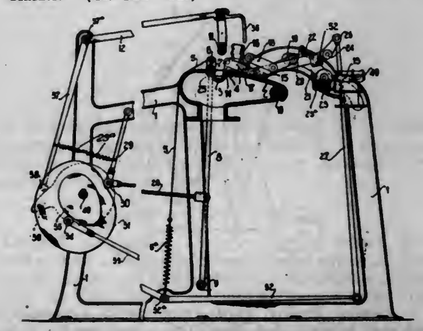
5. The combination with a chimney provided with a flue, of a ventilator, comprising a shell having a bulbous central portion having openings in the top and bottom thereof and provided with an air duct within said bulbous portion acting as a catch pocket, said duct and bulbous portion forming an annular by-pass flue communicating with the openings in said shell, the annulus of said flue having a horizontal axis.

1,480,489. PLATE-REGISTERING DEVICE. WILLIAM H. BANZETT, Bergenfield, N. J., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Oct. 28, 1919. Serial No. 333,972. 9 Claims. (Cl. 101—415.1.)



1. In a plate registering device the combination of a plate, a rail fixed to one edge thereof, a seat for said rail, means for locating said rail in predetermined position lengthwise in said seat, means for locating said rail in predetermined position transversely in said seat, and means for holding the rail so located, in said seat.

1,480,490. MACHINE FOR MAKING CIGARILLOS AND THE LIKE. ADOLF BARGEBOER, Rotterdam, Netherlands. Filed Nov. 5, 1921. Serial No. 513,173. 11 Claims. (Cl. 131—42.)



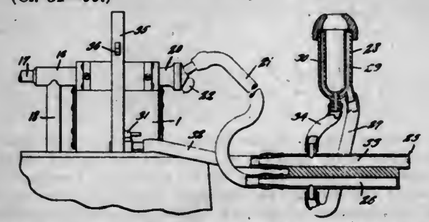
1. In a machine for manufacturing cigars and the like, a perforated rolling table having a groove, a perforated flexible band stretched over said table, means for actuating said band, a stamper for forcing tobacco into said groove, a frame carrying gumming means and a pneumatic transporter, means for supporting and actuating said frame and a stationary pneumatic receiver adapted to cooperate with said transporter and gumming means.

1,480,491. GARMENT SUPPORTER. JOHN W. BEASLEY, Jr., Los Angeles, Calif. Filed Apr. 23, 1920. Serial No. 376,085. 1 Claim. (Cl. 24—230.)



A fastener of the class described comprising a flexible body, a head secured to one end thereof, a rigid pin extending forwardly from said head, a head secured to the opposite end of the body, a socket member carried by said second named head, said socket member comprising a tubular member rigidly secured to said second named head and projecting forwardly therefrom and adapted to receive said pin, a shell having an opening in one end and a shoulder surrounding said opening, said tubular member projecting into said shell through said opening, said tubular member having a head forming a shoulder at its free end, balls arranged in radially extending openings in said head, said shell having tapering inner walls adapted when the shell is moved to engage and move said balls inwardly of said head to engage said rigid pin to secure it within said tubular member, a coil spring within said shell and surrounding said tubular member and having one of its ends engaging said head and having its other end engaging said shoulder and normally maintaining said shell in the position described, and said shell adapted to move independent of movement of the flexible body and in opposition to the action of said coil spring to release the rigid pin from the tubular member.

1,480,492. PULSATOR FOR MILKING MACHINES. ARTHUR BEHNKE and JENS C. JENSON, Royalton, Wis. Filed July 22, 1922. Serial No. 576,740. 4 Claims. (Cl. 31—99.)

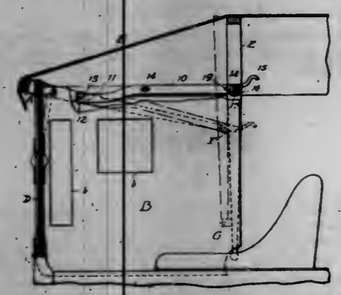


1. A pulsator including single, independent, pistons, means for supplying vacuum direct to one of said pistons, a reciprocatory valve controlling the vacuum supply to the other piston, means for regulating the vacuum supplied to said second mentioned piston for controlling the speed of said piston, the direct vacuum operated piston being connected to alternate said valve, and means controlled by said second mentioned piston for controlling the pulsations in the teat cups without affecting the movement of said reciprocatory valve.

1,480,493. CURTAIN SWING. JOHN ZIEGLER BENSON, Des Moines, Iowa. Filed Sept. 15, 1922. Serial No. 588,458. 1 Claim. (Cl. 296—138.)

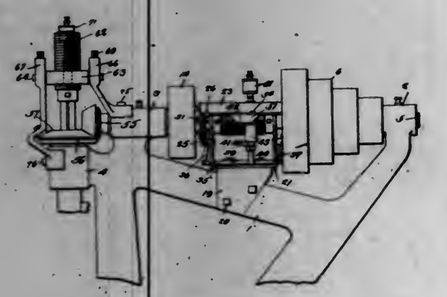
A curtain supporting attachment for automobile tops comprising an arm having a combined attaching and hinge plate hingedly connected thereto, a combined pivot and fastening bolt for pivotally connecting the attaching plate to a bow of the automobile top whereby the arm

may swing about a vertical axis or into parallel relation to the bow to which it is connected, the rear portion of said arm being formed with an opening for the reception of a pin by means of which the rear portion of the arm may be secured to a bow of the top when the top is



folded, and a supporting clip carried by one of the top bows and having a slot opening out through the upper end thereof, said arm being provided with curtain supporting members, one of which is adapted to extend through the slot in said clip.

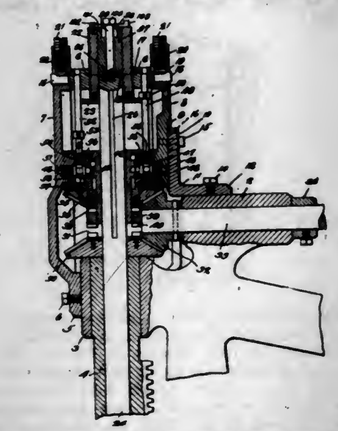
1,480,494. ATTACHMENT FOR DRILL PRESSES. FRANK E. BESSLER, Akron, Ohio. Filed May 2, 1921. Serial No. 466,064. 4 Claims. (Cl. 10—136.)



1. In a device of the class described, a tap shaft; a driven shaft disposed at an angle to the tap shaft; means for connecting the shafts operatively; means for raising and lowering the tap shaft responsive to a change in the direction of rotation of the tap shaft; rotatable members loose on the driven shaft; a screw on the driven shaft; a nut traversing the screw; clutch means on the driven shaft for connecting the rotatable members, one at a time, with the driven shaft; and mechanism operated by the nut for moving the clutch means in opposite directions toward the respective rotatable members—said mechanism comprising a shift bar supported for right line sliding movement; stops on the shift bar, for engagement by the nut; and movable elements operated by the shift bar and coacting with the clutch means to move the same in opposite directions.

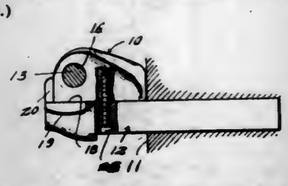
1,480,495. ATTACHMENT FOR DRILL PRESSES. FRANK E. BESSLER, Akron, Ohio. Filed Apr. 27, 1923. Serial No. 635,176. 6 Claims. (Cl. 74—50.)

1. In a device of the class described, a frame; a first shaft journaled in the frame and movable longitudinally therein; means for establishing threaded connection between the first shaft and the frame; first pinions loose on the first shaft; a second shaft journaled in the frame; a pinion on the second shaft and meshing with the first



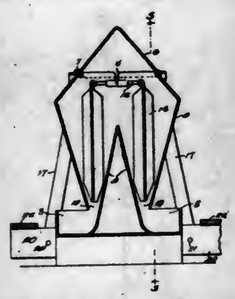
pinions; a clutch operating to connect either of the first pinions to the first shaft; and mechanism responsive to the rotation of the first shaft for actuating the clutch.

1,480,496. OILLESS BEARINGS FOR HARNESS ROLLS FOR LOOMS. JOHN L. BOBO, Greenville, S. C. Filed Mar. 7, 1921. Serial No. 450,374. 2 Claims. (Cl. 64—24.)



1. In a harness mechanism for looms, a supporting arm for the harness rod secured to and extending horizontally from the harness frame, said arm having an upper flat surface and provided at its outer end with a flange extending upwardly beyond said surface, and an oil impregnated block secured upon said flat surface between and engaging said flange and frame and having a bearing for said rod.

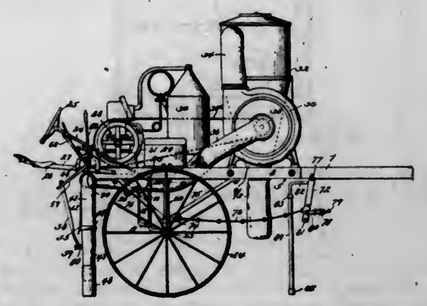
1,480,497. DRY-MASH-FEED HOPPER. MARTIN BRANDT, Toms River, N. J. Filed June 21, 1923. Serial No. 646,895. 1 Claim. (Cl. 119—55.)



A chicken feeding device, comprising a hopper, a feed trough associated therewith, a rectangular frame, trunnions extending from the ends of said rectangular frame and forming means for pivotally mounting the

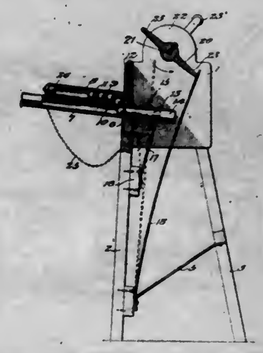
frame in the upper portion of the hopper, a cross arm connected to each of said trunnions, levers depending from each end of said cross arms and pivotally connected thereto, perches associated with said levers whereby the rectangular frame will be rocked about its pivotal points each time a bird occupies a position on one of said perches, and agitators carried by said rectangular frame and extending downwardly into the hopper.

1,480,498. BOLL-WEEVIL DESTROYER. JOHN B. BROADWELL, Alpharetta, Ga. Filed Apr. 21, 1921. Serial No. 463,143. 15 Claims. (Cl. 43—140.)



1. In a machine of the class specified, a wheeled frame, suction mechanism mounted on the frame, and a tubular gathering unit connected to the suction mechanism and comprising laterally and rotatably adjustable divergent extremities adapted to closely engage the ground surface.

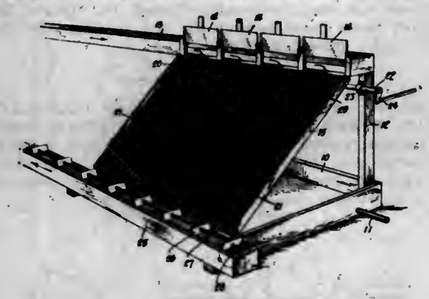
1,480,499. TOY MACHINE GUN. ADAM RANDOLPH BROWN, Louisville, Ky. Filed Apr. 22, 1922. Serial No. 556,041. 6 Claims. (Cl. 124—13.)



1. In a toy machine gun, a barrel, means for delivering projectiles to the barrel, an ejector adapted to shoot said projectiles from the barrel, and a striker engageable with ejector to operate the same.

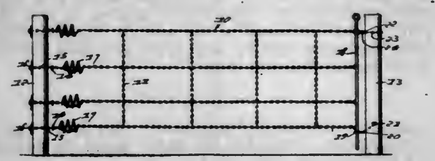
1,480,500. SAVE-ALL. GEORGE WILBUR BROWN, Millwood, Wash., assignor to Inland Empire Paper Co., Millwood, Wash., a Corporation of Washington. Filed Apr. 6, 1921. Serial No. 458,927. 7 Claims. (Cl. 92—30.)

1. A save-all comprising a delivery means for the waste water, an adjustable screen in front of the delivery means and inclined downwardly and forwardly therefrom to allow the water to separate from the stock and pass through the screen and to allow the separated stock to



travel down the screen, and an endless conveyor into which discharges the lower end of the said screen for carrying off the stock separated from the waste water.

1,480,501. GATE. STEPHEN O. BRYANT, Bethany, Mo. Filed Aug. 18, 1921. Serial No. 493,284. 2 Claims. (Cl. 39—74.)



1. A gate having in connection with the hinge post and latch post a plurality of longitudinal flexible runners provided at one end with means for engaging the hinge post and at the other end with means for engaging the latch post and provided at intermediate points with yielding tensile cushioning means consisting of volute springs, terminally engaged with said runners with intermediate normally slack or loose portions of the runners constituting means for limiting the extension of the springs.

1,480,502. MATCH SAFE AND VENDING DEVICE. ROSTUS BUTLER, Little Cobary, N. C. Filed Apr. 12, 1923. Serial No. 631,711. 5 Claims. (Cl. 206—30.)



4. In a match safe and vending device, a containing body having a lower converged discharge extremity formed with a lower terminating trough provided with

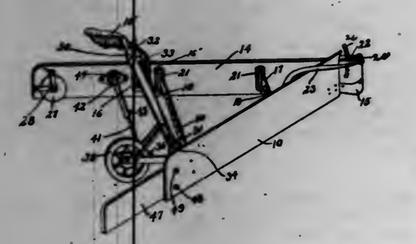
an opening at each end and also a larger opening at the center, the said larger opening extending transversely and also downwardly through the trough, the trough being closed between the end openings and the said center opening thereof.

1,480,503. APPARATUS FOR AUTOMATICALLY PLACING BRAKE BLOCKS ON RAILWAY LINES. LÉON CHASSY, Firminy, Loire, France. Filed Aug. 8, 1921. Serial No. 490,743. 4 Claims. (Cl. 104—257.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Means for automatically placing brake-blocks on the rails of railways comprising a bracket a horizontal pin mounted on said bracket a brake block lugs fixed to said block and rotatable and slidable on said pin, a vertical support, a two armed lever pivoted on said support, a chain attached to one arm of said two armed lever means for guiding said chain and hand operated means for drawing said chain.

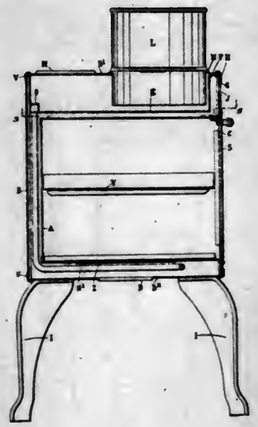
1,480,504. DITCHING MACHINE. ECTOR L. CLARK, Sidney, Tex. Filed May 27, 1922. Serial No. 564,175. 4 Claims. (Cl. 37—174.)



1. In a device of the class described, a blade, a land side member connected with said blade, the blade and land-side member converging with reference to each other, and adjustable braces extending transversely between the blade and land-side member, beams adjustably connected with the blade and landside respectively, said beams extending upwardly and then forwardly over the upper edges of the blade and landside, and means for connecting the forward ends of the beams.

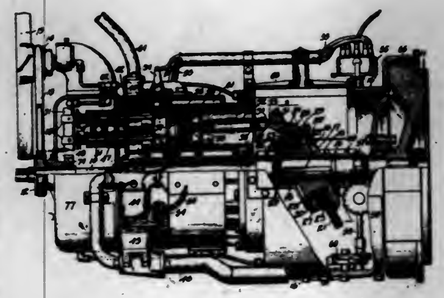
1,480,505. OVEN, HOT PLATE, BAIN-MARIE, AND THE LIKE. EDWIN CLEARY, London, England; Alfred Hutchison administrator of said Edwin Cleary, deceased. Filed May 12, 1922. Serial No. 560,352. 3 Claims. (Cl. 126—39.)

1. A cooking apparatus comprising an oven-chamber, a door to said chamber, an outer casing surrounding said chamber so as to leave an intermediate space around the oven-chamber, said outer casing having a hot-gas inlet-aperture in its bottom and an outlet at its upper part for the cooled gases, a water bath extending to the top of the intermediate space, and which communicates with the exterior through holes in the top plate of the outer casing, and a circulation pipe the ends of which communicate with the interior of the water tank and which extends into the part of the intermediate space



between the oven-chamber and the bottom of the outer casing where it is formed into a loop arranged around the hot-gas inlet-aperture, one vertical limb of said pipe being of larger diameter than the other.

1,480,506. CRANKLESS ENGINE. CLARENCE W. CLEMENTZ, Jacksonville, Fla., assignor to Crankless Engine Company, Jacksonville, Fla., a Corporation of Florida. Filed Aug. 17, 1922. Serial No. 582,568. 4 Claims. (Cl. 123—58.)

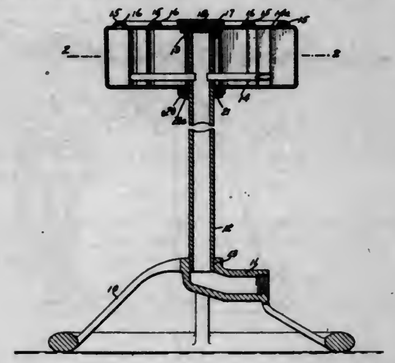


4. A crankless engine having a main shaft, a set of cylinders arranged in a circle concentric with said shaft, inlet and outlet valves in sets also concentric with said shaft, cam shafts extending transversely of the main shaft bearing pairs of cams each pair operating the inlet and outlet valves of a cylinder, and gearing for driving the cam shafts from the main shaft, substantially as set forth.

1,480,507. LAWN SPRINKLER. GEORGE WILLIAM COBLENTZ, JOSEPH ROLLINS FARIES, and HENRY PAUL BOND, Tacoma, Wash. Filed Oct. 12, 1921. Serial No. 507,310. 4 Claims. (Cl. 299—67.)

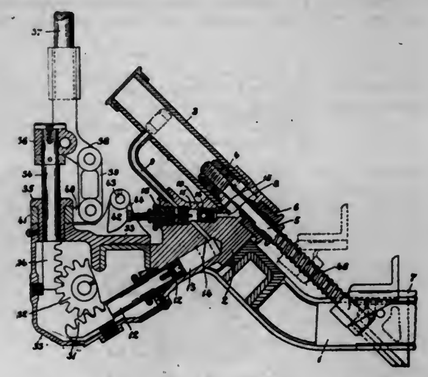
1. In a sprinkler, a water box mounted to revolve and having jet orifices at the top, blades on the box at the

interior, said blades having sides at an angle to the side wall of the box and at an angle to each other, the



sides of the blades being convergent toward said wall, and means to direct water under pressure into said box and against said blades.

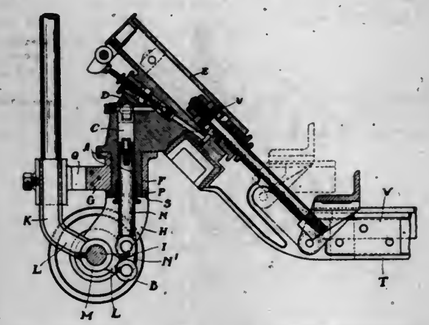
1,480,508. CONSTRUCTION OF HYDRAULIC LIFTING JACKS. LESLIE ALFRED COLLIS, Putney, London, England. Filed Apr. 16, 1921. Serial No. 461,993. 3 Claims. (Cl. 138—9.)



1. Hydraulic lifting jack comprising a ram cylinder containing a ram rod and of greater length than necessary for movement of the ram, passage ways connecting the ends of the ram cylinder, two valves and a piston controlling the passage ways, the passage way from the working end of the cylinder leading to one valve, the other passage way leading to between the other valve and the piston, a pump with a passage way leading to between the two valves the pumping action taking the liquid from the nonworking end of the cylinder and passing it to the other end the piston being operable to move the valves and reduce the opening to the nonworking end of the cylinder to allow of slow movement of the ram within the ram cylinder to eject the liquid from the working side to the nonworking side of the ram.

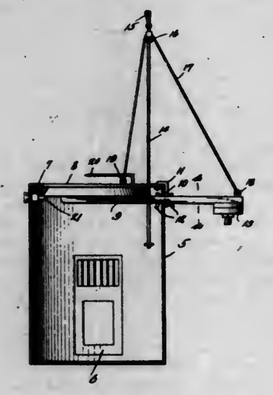
1,480,509. HYDRAULIC LIFTING TRUCK. LESLIE ALFRED COLLIS, Putney, London, England. Filed Aug. 3, 1921. Serial No. 489,452. 2 Claims. (Cl. 254—2.)

1. In a truck, a forward body portion having a king bolt thereon, a lifting platform connected to and movable relative to said forward body portion, a cylinder connected to the forward body portion, a piston slidable in said cylinder connected to the platform and a pump



piston and cylinder concentric with the king bolt, said pump cylinder being in communication with said first named cylinder.

1,480,510. TRAP. FRANK COLMAN, Lumberton, Miss. Filed Dec. 31, 1921. Serial No. 526,190. 1 Claim. (Cl. 43—69.)

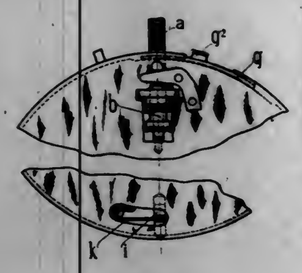


In a trap, a housing having an open upper end, said housing having an opening in the wall thereof, a beam mounted within the opening and carrying a pin disposed adjacent to the opening to restrict movement of the beam, a door mounted at one end of the beam and adapted to normally close the open end of the housing, vertical rods supported by the housing and having a loop portion, a pulley supported by the loop portion, a weight at the outer end of the beam to counter-balance the weight of the door, a flexible member having one end thereof connected to the beam adjacent to the weight, the opposite end of the flexible member having connection with the door and the intermediate portion of the flexible member operating over the pulley.

1,480,511. TIMEPIECE. HENRI COLOMB, Tavannes, Switzerland. Original application filed May 13, 1921, Serial No. 469,311. Divided and this application filed Sept. 12, 1922. Serial No. 587,782. 1 Claim. (Cl. 58—63.)

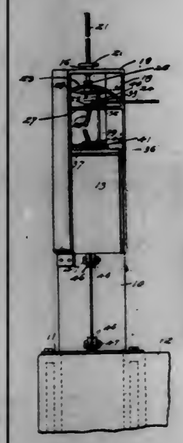
A time piece which is provided with a stem of two pieces, both parts of said stem being coupled and uncoupled by a rotative relative movement, one of said parts being locked in order to uncouple both parts, the

locking of the lower part being effected by means of organs directly acting on said part, the latter being pro-



vided with a notch in which a locking device may be introduced, this locking device consisting in a push-piece fitted to the plate.

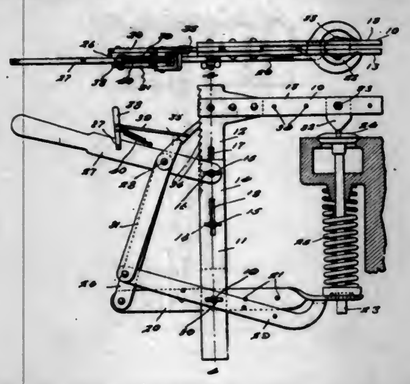
1,480,512. CYLINDER-GRINDING MECHANISM. JAMES C. CAITHFIELD, Wenubleau, Mo. Filed May 4, 1922. Serial No. 558,461. 6 Claims. (Cl. 51—245.)



1. A cylinder grinding apparatus including a guide cylinder adapted for alinement with the cylinder to be ground, a frame rising from the guide cylinder having side members outwardly offset with respect to said guide cylinder, a carrier of greater length than the guide cylinder slidable therein, a grinder arbor carried by the cylinder, a yoke rising from the carrier and disposed within and guided by said frame, said yoke being of greater width than the guide cylinder and at its side being in contact with said side members, operating gearing for the arbor carried by the yoke, and means extending into the frame intermediate the side members to drive said gearing.

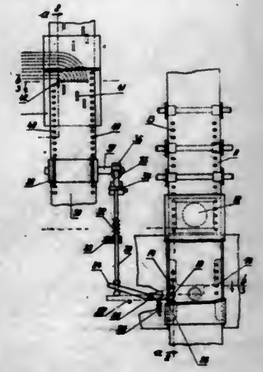
1,480,513. VALVE-SPRING TOOL. JOHN F. DANIKEN, Adonis, Mo. Filed Jan. 16, 1922. Serial No. 529,598. 4 Claims. (Cl. 29—96.3.)

1. A valve spring tool comprising a frame including right angularly arranged members, a valve engaging element carried by one of said members, a spring engaging arm pivotally mounted upon the other member, an oper-



ating lever pivotally secured to the frame and a link connecting the arm and lever.

1,480,514. KINEMA FILM AND LIKE STRIP HAVING FEED PERFORATIONS AND MECHANISM CO-OPERATING WITH SAID PERFORATIONS. WILLIAM CECIL JEAPES, Belmont, England, and ANDRÉ LÉON VICTOR CLÉMENT DEBRIE, Paris, France. Filed June 6, 1922. Serial No. 566,408. 6 Claims. (Cl. 95—75.)

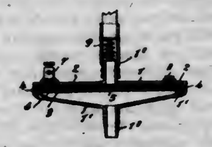


2. In apparatus handling a strip having feed perforations and particularly in film printing apparatus, the combination of a strip which is blinded at the location of appropriate feed perforations, a movable member cooperating with said strip, pins carried by said movable member and entering the feed perforations, means for moving said pins by contact with the strip at the blinded portions and operating means, actuated by the movement of said pins for changing the intensity of printing light.

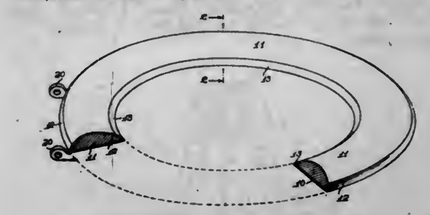
1,480,515. ELECTRICAL INSTANTANEOUS WATER HEATER WITH CONTINUOUS CIRCULATION, WORKING AT DIFFERENT VOLTAGES. ATTILIO DE MARCHIS, deceased; by Ernilia Caselli, administratrix, Rome, Italy. Filed Feb. 18, 1921. Serial No. 446,090. 3 Claims. (Cl. 219—40.)

1. An electrical water heating device, comprising a casing having an inlet and outlet, two metallic members arranged in the casing in spaced relation and upon one of

which the water is delivered and passes between the said plates to the outer of the casing, and electrical terminals, one secured to the casing and the other to one of the said members.

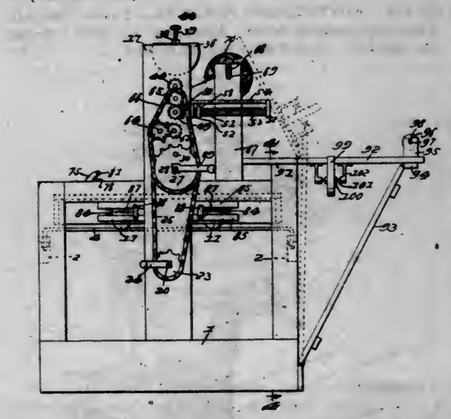


1,480,516. TOILET SEAT. GRAHAM CHARLES DOBSON, New York, N. Y. Filed Jan. 31, 1921. Serial No. 441,310. 1 Claim. (Cl. 4—287.)



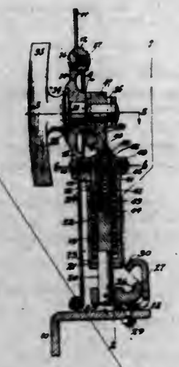
As a new article of manufacture a toilet seat, comprising a flat metal ring-shaped frame having at its inner and outer edges integral annular flanges inclined upwardly and inwardly toward each other, and a ring-shaped filling having a flat lower face resting upon the frame and a curved upper face presenting curved inner and outer edges and provided in said edges with annular rabbets of a depth and length equal to the thickness and length of the flanges, whereby the flanges lie flush with the filling and the latter secured to the frame without additional means.

1,480,517. WALL-PAPER PASTING AND FOLDING MACHINE. HORACE G. DOOLITTLE, Knoxville, Iowa. Filed June 19, 1919. Serial No. 305,322. 4 Claims. (Cl. 270—79.)



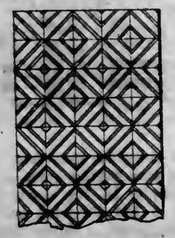
1. A machine of the character described embodying a work table, means for reciprocating the work table, means for feeding paper from a supply roll to the work table, paper folding means carried by the work table, a clamp comprising spaced bell crank levers, pins spanning the levers and securing them together, means for pivotally mounting the levers on the work table, a contractile spring disposed between the levers and tensioned between one of said pins and a point on the work table, one of said levers being provided with lateral extension, and a relatively fixed lifting arm disposed in the direction of the length of the table, and engaging said extension to raise the levers against the tension of the spring in one position of the work table.

1,480,518. HOOD FASTENER FOR AUTOMOBILES. CLEBURNE EBERHART, Jr., Buffalo, N. Y. Filed Dec. 29, 1921. Serial No. 525,542. 9 Claims. (Cl. 70—14.)



9. A fastener for automobile hoods comprising a bracket adapted to be arranged on the inner side of the hood and having an upper rim which is secured to the hood and a tubular guide projecting downwardly from said frame, and having an upwardly facing shoulder, a shifting rod sliding in said tubular guide and having a downwardly facing shoulder, a spring for raising said rod interposed between said shoulders, a face plate adapted to be secured to the outer side of the hood in line with said rim and having a bearing, a shaft journaled in said bearing, a handle arranged on the outer end of said shaft, a cam arranged on the inner end of said shaft and adapted to depress said rod, an upwardly facing hook arranged on said rod, a downwardly facing hook adapted to be arranged on the automobile frame and to be engaged by said upwardly facing hook, and means for locking said cam against turning comprising a locking bolt slidable laterally on said shaft into and out of engagement with an opening in said face plate, and a lock mechanism mounted on the shaft for operating said bolt.

1,480,519. PROCESS OF MAKING MOSAIC, MITER-SQUARE WORK. SWAN C. ECKLUND, Hershey, Nebr. Filed Aug. 30, 1921. Serial No. 496,935. 1 Claim. (Cl. 20—75.)



A process of preparing mosaic in miter-squares which consists in arranging primary strips of contrasting color, side by side at an angle of 45° relative to the width of the respective strips and uniting the same by an adhesive, then separating the composite sheet into bars of uniform width very materially in excess of the width of said pri-

mary strips, said bars having the primary strips arranged at an angle of 45° to the length of the respective bars, then arranging the composite bars in reverse order with like primary strips matching and forming lines or strips of zig zag form, with the primary strips of adjacent bars disposed at an angle of 90°, then cutting the second sheet into bars of a width equal to the width of the first named bars, the cuts being along lines at right angles to the lines of the first cuts, then arranging the last named set of bars in reverse order and uniting the same by an adhesive, the resultant product presenting a tessellated surface having major and minor squares, the minor squares being within the major squares and the squares having the elements united by miter joints.

1,480,520. VITAMIN COMPOUND. JOHN R. EOFF, JR., St. Louis, Mo., assignor to Vitamine Products Company, a Corporation of Missouri. Filed July 25, 1921. Serial No. 487,457. 5 Claims. (Cl. 167—7.)

1. A vitamin compound comprising a vitamin concentrate combined with the organic substances of unclarified wine.

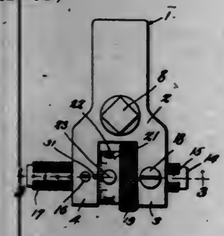
3. A vitamin compound comprising wine as the vehicle for a vitamin concentrate and in which the tannin is combined with said vitamin concentrate.

1,480,521. GUN. JAMES FALLER and ISAAC LAPIDUS, Brooklyn, N. Y. Filed Sept. 6, 1922. Serial No. 586,488. 3 Claims. (Cl. 42—1.)



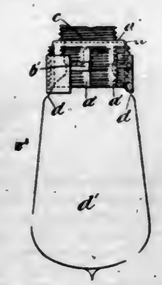
1. A gun of the class described including a casing having a cartridge discharge, a revoluble magazine within said casing and provided with radial chambers, a reciprocating trigger operable from the exterior of the casing and extending into the latter, means to cause step by step turning of the magazine by the movement of the trigger, and a firing device engageable by the magazine with the turning thereof to fire the gun.

1,480,522. STOP FOR CARRIAGES OF METAL-WORKING MACHINES. CHARLES A. FERGUSON, North East, Md. Filed Oct. 15, 1919. Serial No. 330,713. 1 Claim. (Cl. 82—34.)



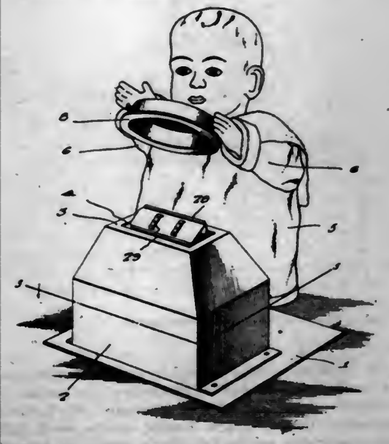
In a device of the class described, comprising a clamp including a main jaw having arms, a micrometer screw slidable longitudinally in the arms and having a flat longitudinal side, a nut threaded on the screw and located between the arms, a collar rotatable for adjustment on the nut and having a scale, and means for holding the collar in adjusted positions circumferentially of the nut—those improvements which comprise a longitudinal scale inscribed on the flat side of the screw, the flat side being located at the periphery of the screw to render the scale on the flat side readily visible, an adjustable member in one arm and cooperating with the flat side of the screw to hold the screw against rotation but for longitudinal movement, and a clamping device in the other arm and cooperating with the flat side of the screw to hold the screw against rotation at the will of an operator, said one arm exercising a three-fold office, in that it carries an index cooperating with the scale of the collar, in that one edge of said arm forms a second index cooperating with the scale of the screw, and in that said arm supports the adjustable member, the flat side of the screw exercising a three-fold office in that it carries the second specified scale and cooperates both with the adjustable member and with the clamping device.

1,480,523. DEVICE FOR LOCKING ELECTRIC INCANDESCENT LAMPS IN THEIR LAMP HOLDERS. HENRY FRANCIS, Shepherds Bush, England. Filed Nov. 15, 1921. Serial No. 515,260. 2 Claims. (Cl. 173—356.)



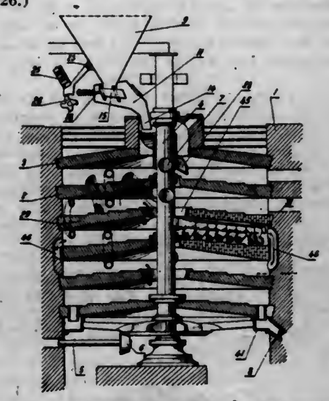
2. A device for locking an electric incandescent lamp to its holder, characterized by a collar consisting of an inner and externally screw-threaded member, a series of vertically disposed notches across the threads of said member, an outer and internally screw-threaded outer member screwing on said inner member, and a spring catch carried by said outer member and interior thereof to engage in the notches of said inner member.

1,480,524. ADVERTISING NOVELTY. ERNEST THOMAS GARLICK, Saginaw, Mich. Filed Oct. 13, 1922. Serial No. 594,297. 2 Claims. (Cl. 211—21.)



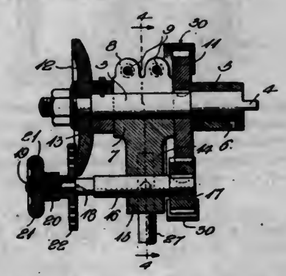
1. In an advertising novelty, a casing having an open top and representing a table, a figure having movable arms positioned at one side of the table, a flanged casing representing a hat carried by the hands of the figure and normally over the opening in the table, revoluble means in the table, articles to be displayed carried thereby, means for imparting a continuous intermittent motion to the revoluble means, means for singly projecting the articles therefrom through the opening in the table when the wheel is halted, means for automatically returning the article to normal position when the wheel is in motion, and means for swinging the arms of the figure to bring the hat thereof away from the opening when an article is in display position and for again swinging the arms to bring the hat over the opening when the revoluble means is actuated.

1,480,525. MECHANICALLY-OPERATED FURNACE FOR ROASTING PYRITES. LUCIEN JOSEPH GESCHWIND, Paris, France, assignor to Sté A° Des Manufactures de Produits Chimiques du Nord-Etablissements Kuhlmann, Paris, France, a French Corporation. Filed June 29, 1921. Serial No. 481,345. 6 Claims. (Cl. 263—26.)



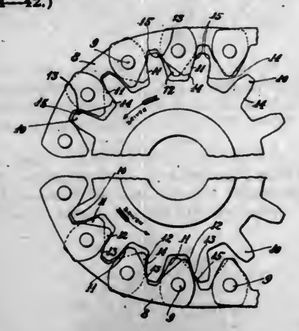
1. In a furnace mechanism for roasting pyrites, having fixed stepped hearths, a central rotating shaft and a rake carried by the shaft, teeth carried by the rake being in the form of plough mold boards.

1,480,526. CUTTER-GRINDING ATTACHMENT FOR MEAT AND BONE GRINDERS. EDWIN CHEATHAM CHILES, Denver, Colo. Filed Mar. 12, 1923. Serial No. 624,621. 3 Claims. (Cl. 51—241.)



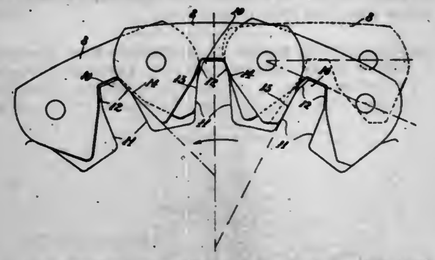
1. A cutter grinding attachment for a meat grinder or similar machine comprising a shaft adapted to be coupled to a driven shaft of the machine, a bearing through which the intermediate portion of said shaft passes rotatably, a gear secured on said shaft at the inner end of said bearing, and a grinding wheel on said shaft at the outer end of said bearing; a second bearing laterally spaced from and parallel with the first named bearing, the two bearings being rigidly joined to each other; a second shaft rotatable and slidable in said second bearing and having on its inner end a pinion meshing with said gear, means for clamping a cutter on the outer end of the said second shaft in overlapping relation with the outer side of said grinding wheel, and a knob swiveled on said outer end of said second shaft for permitting the operator to exert axial pressure thereon to hold the cutter against the grinding wheel.

1,480,527. MULTIPLATE POWER CHAIN. FRANK L. MORSE, Ithaca, N. Y., assignor to The Morse Chain Company, Ithaca, N. Y., a Corporation of New York. Filed May 16, 1921. Serial No. 469,789. 5 Claims. (Cl. 74—42.)



5. The combination with a sprocket wheel having symmetrical double faced teeth with outer and inner bearing faces, of a drive chain formed of links each composed of a plurality of arched plates, the plates of each link having an external surface at one end for engaging said inner bearing faces upon the driving wheel, and an internal surface for engaging the outer bearing faces upon the driven wheel.

1,480,528. DRIVE CHAIN. FRANK L. MORSE, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a Corporation of New York. Filed Sept. 16, 1922. Serial No. 588,574. 5 Claims. (Cl. 74—32.)



1. The combination, with sprocket wheels having teeth, each provided with a comparatively steep bearing face upon one side and a less steep bearing face upon the opposite side, of a drive chain formed of non-symmetrical links, each having an outside end engaging surface for said steep bearing face on one sprocket, and a more slanting outside engaging surface at the other end of the link for the less steep bearing face on another sprocket.

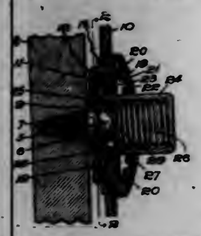
1,480,529. TILTABLE VEHICLE STAND. MYRON BAKER, Washington, D. C. Filed Oct. 3, 1922. Serial No. 592,050. 5 Claims. (Cl. 254—86.)

1. A tiltable vehicle stand, said stand comprising a frame, on which a vehicle may be disposed, downwardly extending brackets carried by the sides of the frame, the lower ends of said brackets being pivotally mounted, forwardly extending pivoted arms carried by the frame and disposed beneath the frame, ground engaging wheels carried by the forwardly extending arms, rearwardly

extending links pivoted to the forwardly extending arms, a transversely disposed rotatable shaft adjacent the rear end of the frame and rotatable in bearings thereof, worm and gear means for rotating said shaft, flexible members connecting the shaft and the rear ends of the rearwardly extending links, said flexible members extending downwardly to a point below the pivotal point of the stand and thence forwardly to the links.



1,480,530. SEPARABLE FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 2, 1921. Serial No. 519,381. 4 Claims. (Cl. 24—211.)



1. A fastener comprising, in combination, a stud having a head and a neck, a casing containing jaw means for engagement in said neck of said stud behind said head, said casing and jaw means secured to a carrying fabric and located on that side of said fabric from which said stud enters, and manipulatory means on the opposite side of said fabric for disengaging said jaw means from said neck of said stud.

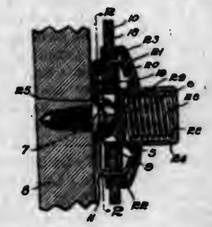
1,480,531. SEPARABLE FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 2, 1921. Serial No. 519,382. 7 Claims. (Cl. 24—218.)



1. A fastener comprising, in combination, a socket having forwardly projecting prongs and a socket-securing part including a cover plate, a clench plate within the cover plate, said clench plate having penetrations to permit passage of said prongs therethrough, and portions of said clench plate bent toward said cover plate adjacent said penetrations to provide prong-deflecting surfaces interiorly of said cover plate.

1,480,532. SEPARABLE FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 2, 1921. Serial No. 519,384. 2 Claims. (Cl. 24—211.)

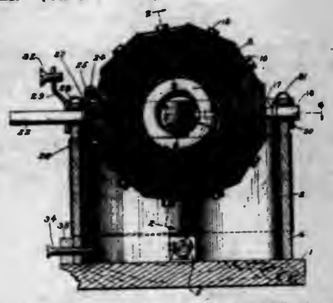
1. A separable fastener comprising, in combination, a stud having a head and a neck, and a socket comprising a casing, a spring providing two stud-engaging jaws connected by the body of the spring, a stationary part projecting between portions of said spring on that portion thereof away from the connection to the body of the spring, and a jaw-moving part adjacent said stationary part and acting to move one end of one jaw away from the stud while moving the opposite end of the second jaw about said stationary part as a fulcrum in a direction to separate said jaws from the neck of the stud, the portions of said spring at the side thereof opposite said stationary part being free to swing toward said stationary part during separation of said jaws.



1,480,533. DEPOLARIZING MIXTURE AND METHOD OF PREPARING SAME. WILLIAM R. CLYMER, Cleveland, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,923. 7 Claims. (Cl. 204—38.)

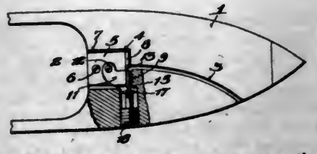
1. Method of preparing a battery depolarizer comprising subjecting a mixture containing pyrolusite and conductive carbon to a milling operation until the desired depolarizing efficiency is attained.

1,480,534. VARIOCOUPLER. ALFRED CROSSLEY, Washington, D. C., assignor to The Hartman Electrical Manufacturing Company, Mansfield, Ohio., a Corporation. Filed Aug. 16, 1922. Serial No. 582,254. 10 Claims. (Cl. 171—119.)



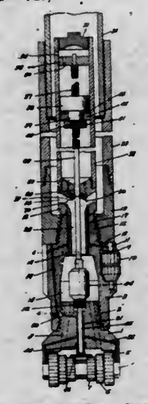
1. A variocoupler comprising a cylindrical support, a primary winding on said support, a flat spider web wound secondary mounted adjacent one end of said support, and means for rotating said spider web wound coil relatively to said primary coil.

1,480,535. SHUTTLE. WILFRED J. GLADUE, Providence, R. I. Filed Sept. 14, 1922. Serial No. 588,176. 4 Claims. (Cl. 139—212.)



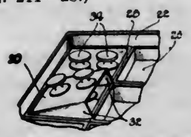
2. In combination with a shuttle having a thread slot extending from the throat of the shuttle, a pair of relatively movable thread engaging members carried by the shuttle and arranged between the slot and throat, a screw carried by the shuttle and operable from the outer side face of the shuttle, and means between the screw and one of said members whereby rotation of the screw effects relative movement between the two members.

1,480,536. GEAR-OPERATED LUBRICATOR. HAROLD W. FLETCHER, Houston, Tex. Filed Nov. 13, 1922, Serial No. 600,631. Renewed Nov. 19, 1923. 7 Claims. (Cl. 255—71.)



1. In an earth boring drill, a head, vertical toothed cutters rotatable thereon in combination with means to lubricate the bearings of said cutters comprising, a lubricator barrel on said head, having ducts leading to said cutters, a piston therein, a central shaft in said barrel threaded longitudinally through said piston and having bearings in the head, a second vertical shaft connected with said first named shaft by a speed reduction means, said second shaft having a limited vertical motion, a horizontal disc on the said second shaft, teeth thereon adapted to mesh with the teeth of said cutters so as to rotate said gear and shaft.

1,480,537. DISPLAY CABINET. ALBERT L. HELLER, Chicago, Ill. Filed May 22, 1922. Serial No. 562,597. 12 Claims. (Cl. 211—28.)



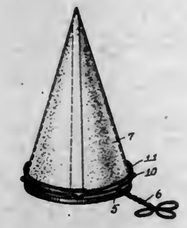
1. In combination, a base, a lattice for supporting engagement with a plurality of inserts on a plane spaced from said base, and inserts having end portions bent down to pass below the plane of support and offering frictional resistance to withdrawal.

1,480,538. EMBROIDERY FOR FINISHING THE EDGES OF FABRICS. WILLIAM N. PARKES, Brooklyn, N. Y. Filed Feb. 25, 1919, Serial No. 279,094. Renewed Oct. 11, 1923. 6 Claims. (Cl. 112—266.)

1. An edging for fabrics comprising a row of sewing machine stitches formed in the fabric, a row of sewing machine stitches formed in a scallop design over and away from the edge of the fabric, the stitches formed over and away from the edge of the fabric connected with those formed in the fabric by connecting links of thread, the said stitches and connecting links of thread located so that the connecting links of thread extend progressively step by step over and away from the edge of the fabric and thereby serve as a finish continuously along said edge, and an auxiliary thread looped around the said connecting links of thread along the outer edge of the said scallop design.

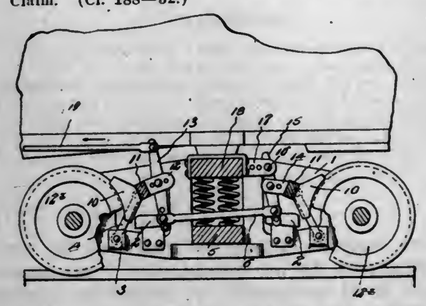


1,480,539. FLY PAPER. JOHN GRECU, New York, N. Y. Filed Sept. 1, 1920. Serial No. 407,473. 2 Claims. (Cl. 43—114.)



1. A fly paper, comprising a conical body coated with adhesive material and adapted to be formed into a roll, and a strip of flexible material having one end secured to the apex of the cone and extending over the face of the cone beyond the base thereof, whereby when the cone is formed into a roll and a pull is exerted on the base of the cone and the flexible strip, the cone will be unrolled.

1,480,540. SAFETY BRAKE. EMORY M. IVIE, Atlanta, Ga. Filed June 20, 1922. Serial No. 569,708. 1 Claim. (Cl. 188—52.)



In a brake construction, the combination of a truck frame including side members on which are brackets and inwardly extending shelves, and brake means carried by the said truck frame and including swinging means pivotally connected to and extending upwardly from the said brackets and carrying crosswise beams above said shelves and shoes on the beams, said shoes being arranged to be opposed to the upper inner quarters of wheels complementary to the truck frame, and means for the actuation of the said swinging means.

Patents Nos. 1,480,541 to 1,481,248.

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OF THE
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Issue of January 15, 1924.

Trade-Marks	279—No.	178,467 to No.	178,745, inclusive.
Reissues	4—No.	15,745 to No.	15,748, inclusive.
Designs	49—No.	63,765 to No.	63,813, inclusive.
Patents	708—No.	1,480,541 to No.	1,481,248, inclusive.
Total	1040		

ADJUDICATED PATENTS.

(D. C. N. Y.) The Gilson patents, Nos. 1,004,643, claim 9, and 1,004,644, claims 1, 2, and 3, for machine and method for armoring cable, *Held* valid, but not infringed. *National Metal Molding Co.* v. *Triangle Conduit Co.*, 292 Fed. Rep. 989.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Jan. 3, 1924.*

Sara A. Devlin, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Kosmos Chemical Company, 120 East Sixth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered February 24, 1903, No. 39,845, to Sara A. Devlin, 80 Henry Street, Detroit, Mich., and a notice of such declaration sent by registered mail to said Devlin at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Devlin, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Dec. 17, 1923.*

Plummer & Edwins, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Buffalo Vegetable Marketing Co., of 29 East Market Street, Buffalo, N. Y., and Sol Perlmon, of 1837 West Jefferson Avenue, Detroit, Mich., for registration of a trade-mark and trade-mark registered September 20, 1921, No. 146,841, to Plummer & Edwins, of Second Avenue and University Street, Seattle, Wash., and a letter sent by registered mail to said Plummer & Edwins at the said address having been returned by the post office undeliverable, the Office has failed to secure service upon said Plummer & Edwins. Notice is therefore given that unless said Plummer & Edwins, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Trade-Marks.

The trade-mark searching facilities open to the public at Room 159 in the Patent Office have been augmented by installing trade-marks published under the act of 1905, but not yet placed upon the register. These are arranged in accordance with the arrangement of words and symbols of registered marks, as well as by classes. All marks published since January 1, 1923, have been included.

CLASSIFICATION MANUAL.

A Manual of Classification of Patents in the United States Patent Office has been published, indicating the classes and subclasses as of January 1, 1924, on sheets about 6 inches by 9 inches, punched for insertion in a loose-leaf binder. An index is being prepared for publication. It is proposed to keep the Classification Manual current by reprinting necessary pages from time to time as changes in classification are made. While this is done primarily for the use of the Office, the Superintendent of Documents, Government Printing Office, Washington, D. C., on receipt of $1.00 will furnish a copy of the Manual of Classification at once, and for the same price will send, on publication, a copy of the index and copies of such pages as may be reprinted during the calendar years 1924 and 1925.

Condition of Applications Under Examination at Close of Business January 4, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 67,135; Trade-Mark Division, 2,232. Oldest new case, Apr. 3, 1923; oldest amended, Apr. 5, 1923. The dates given are 1923., Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 2	May 2	1,211
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 11	May 14	1,244
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	July 20	Aug. 20	1,078
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	May 1	June 2	1,365
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 3	Apr. 6	1,457
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Apr. 3	June 6	1,362
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	June 1	June 2	2,478
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	July 12	Sept. 4	1,713
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 16	Dec. 19	727
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	May 18	June 18	1,478
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Aug. 2	Aug. 14	799
322	12. PIERCE, P. P., Machine Elements	May 8	June 1	1,176
329	13. NIXON, O. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 8	July 13	1,195
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 5	Nov. 9	1,065
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 11	Apr. 25	2,005
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Apr. 7	Apr. 7	2,727
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 3	Aug. 2	1,362
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 4	Apr. 5	2,047
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	July 16	Sept. 7	1,254
179	20. WRIGHT, B., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 5	June 1	1,330
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Apr. 18	Oct. 23	929
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance, Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	May 18	July 14	495
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Apr. 6	Apr. 12	674
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 4	June 12	1,156
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation	Aug. 6	Sept. 14	912
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Apr. 26	May 4	982
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 7	May 16	1,348
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	June 20	1,322
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Apr. 3	June 1	1,238
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	May 17	Oct. 15	1,111
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	May 12	May 15	1,416
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Apr. 9	Apr. 6	1,333
70	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	May 16	May 18	1,448
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	June 6	June 25	964
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Aug. 17	Aug. 21	836
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	June 25	June 9	1,887
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	May 4	May 2	1,782
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Apr. 9	Apr. 13	1,641
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 6	Apr. 7	1,136
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Apr. 19	Sept. 21	1,949
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 7	June 7	976
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	May 4	May 19	1,773
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	May 16	May 1	1,736
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Apr. 17	Aug. 13	1,067
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	July 5	June 20	1,511
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 27	July 7	1,205
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	May 5	Aug. 30	1,031
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Apr. 5	Apr. 7	2,391
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	May 17	June 22	519
102	DESIGNS: C. O. MARKHAM (Acting)	Nov. 10	Nov. 6	794
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. — Trade-Marks	Nov. 6	Nov. 30	2,084
	Labels and Prints	Dec. 8	Dec. 18	148

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. Circuit Court of Appeals—Second Circuit.

CHESTER-POLLARD AMUSEMENT CO., INC., *v.* KENTUCKY DERBY CO., INC., ET AL.

Decided February 17, 1923.

[288 Fed. Rep. 802.]

1. PATENTS—1,203,852, FOR GAME OF SKILL, HELD VALID, BUT NOT INFRINGED.

The Clorius patent, No. 1,203,852, for a game of skill, *Held* valid, but not infringed.

2. SAME—1,368,111, FOR AN AMUSEMENT APPARATUS, HELD VALID, BUT NOT INFRINGED.

The Chester patent, No. 1,368,111, for an amusement apparatus, *Held* valid, but not infringed.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit in equity by the Chester-Pollard Amusement Company, Inc., against the Kentucky Derby Company, Inc., and Arnold Neble, with counterclaim by defendants. Decree for complainant, and dismissing counterclaim, and defendants appeal. Modified.

MEMORANDUM OF COURT BELOW.

Plaintiff sues in usual form on Chester patent 1,368,111, while defendants, without admitting infringement of the Chester patent if valid, sue by counterclaim on Clorius patent 1,203,852, which patent is admittedly prior to Chester patent and is said to be infringed, not by any device made strictly in accordance with Chester's disclosure, but by the commercial apparatus which the patentee and his assignee, the plaintiff, have made, used, and sold.

Similarly plaintiff does not, and of course cannot, assert that anything made strictly in compliance with the disclosure of Clorius's prior patent infringes the Chester patent, but it is asserted that defendants, perceiving the advantages of the Chester device and its attractive novelty over Clorius (which when new had obtained marked success), proceeded to imitate Chester.

Both Clorius and Chester spent their inventive thought over what each of them calls "an amusement device," that is, a catch-penny affair intended to be set up at places like Coney Island and Asbury Park for the purpose of attracting patrons each of whom is charged a small fee to "show his skill" in bursting a balloon or by actuating the effigy of a race horse along a track, or the like, to the end that the most skillful manipulator may get a prize, presumably of greater value than the fee he paid to enter the so-called contest.

I cannot think that an "amusement device" is patentable merely because it amuses, much less because the process of amusing the public is profitable. Therefore I regard all the patents brought to the attention of the court herein merely as mechanical devices, though I pay some attention to the fact (plainly enough proven) that the defendant has put out a machine for bursting balloons solely because the plaintiff was the first person to attract and amuse a foolish public by doing the same thing with a machine requiring "skill." Nor does it make any difference that the plaintiff's balloon burster simulates an aerodrome; while defendants' balloons are when distended the heads of dancing or gesticulating manikins. These are but the attribute of the "show business," and I disregard them wholly in considering the patent question which is the only question at bar.

It is clear that the Kentucky Derby Company is entirely controlled by Mr. Neble, and it is also proven that the latter has himself personally used (if he has not caused to be made and sold) the alleged infringing devices. Therefore he is a proper defendant.

I believe the evidence that Mr. Neble examined Chester's balloon burster, that he expressed the opinion that it was the only amusement device that he had seen which did not infringe his Kentucky Derby patent, and I find that he thereupon simulated the amusement features of Chester's apparatus as soon as he could. I am also of opinion that he simulated the mechanism which an examination of Chester's apparatus revealed to him.

It needs no citation of authority to hold that as against a plain copyist a patent may be more generously construed in favor of the patentee than would be proper where the lines of action of persons wholly independent of each other happened to cross. This observation is made although I do not think that this case requires application of the doctrine referred to.

The essential inventive thought in Chester's patent is that the "fluid pressure" shall be subject to "controlling means controlled by the hand-operated member."

But an examination of Chester's disclosure proves that his controlling means consist essentially in breaking the connection between the power of the hand and the pump which furnishes the liquid pressure whenever the handle is revolved too rapidly; and the reason why the revolution of the handle no longer pumps is found in the governor, which (so to speak) diverts the pumped air from (for instance) a balloon.

The disclosed mechanical operation is very simple, a description of it would be of no value; it is sufficient to state my conclusion, viz that the prior art does not display any other mechanical combination or arrangement producing Chester's result.

I may note here that it seems to me quite immaterial that Chester's patent discloses no means of simultaneously relieving all the unburst balloons when a so-called contest is ended, by the bursting of one of them. This necessarily follows from my view of all the patents considered, viz that as producers of amusement I care nothing for them, they are to be regarded merely as mechanical devices; and Chester's mechanical device is complete, and completely disclosed when the art of bursting a single balloon is comprehended.

I think it also perfectly immaterial that in any balloon-bursting apparatus a puncturing pin may be rigged so as to prick a balloon at a predetermined degree of inflation. This is a mere adjunct, designed only to terminate inflation at a certain size. Invention resides in the scheme (with more or less rapidity) of getting the balloon to the puncturing point.

If the Chester patent is to be restricted to a device which prevents due and regular inflation through the operation of a bleed valve, defendants' actual apparatus does not infringe.

Undoubtedly, however, claims 1, 2, and 6 will read upon defendants' alleged infringement. Therefore the question is whether defendant is within a reasonable range of equivalents having regard to the prior art and common knowledge.

Defendants use the fly-ball governor of Chester's patent, but use it to wholly sever connection between his handwheel and his pump, whereas, the function of Chester's fly-ball governor is to bring a bleed valve into operation; the connection between handwheel and pump is never severed.

I think that Chester's patent is a pioneer in the use of mechanically-compressed air for the purpose indicated; that under such circumstances he is entitled to a range of equivalents which will make defendants' putting of his own pump out of action by disconnecting a clutch by means of a governor, the equivalent of Chester putting his pump out of useful action by bleeding it, also by means of a governor.

On this ground I find the defendants infringe.

I have not overlooked defendants' very careful and indeed able argument based upon the file wrapper, but am not thereby persuaded that Chester is debarred from occupying the position of a pioneer in a field commercially rather wide, whatever one may think of its social utility.

It is impossible for me not to feel that the counterclaim in this suit is an afterthought, and indeed something like a smoke screen. The Clorius patent is a very clever and ingenious mechanical contrivance; it is in its way as much of a pioneer as Chester, although Woods and others had at an earlier date disclosed and put out mechanical racers.

From the "amusement" standpoint it is quite possible to say that there is considerable resemblance between Clorius and Chester, in that both have "critical speeds," which when steadily maintained produce results at a distance, and the results are amusing. But from the mechanical standpoint there is to my mind no resemblance whatever between Clorius's means of accomplishment and those of Chester.

It is undeniable that some of Clorius's claims will verbally read on Chester, or rather on Chester's commercial device. Of this, Clorius's claim 36 is an example; but such correspondence can only be declared by saying that when Clorius claims "means connected with said units to cause the same to travel along the course at a speed which is determined by the speed of operation of said hand-operated means," he is entitled to cover by these words the air pipes and connections, etc., of Chester's pneumatic device.

If claims could be construed in this manner, patentable invention would cease.

The counterclaim is dismissed, and the plaintiff awarded a decree, with costs.

Mr. Ivan E. A. Konigsberg (*Mr. Henry J. Lucke* and *Mr. Harold E. Stonebraker* of counsel) for the appellants.

Messrs. Munn, Anderson & Munn (*Mr. T. Hart Anderson* of counsel) for the appellee.

Before ROGERS, MANTON, and MAYER, Circuit Judges.

MAYER, *Cir. J.*:

Plaintiff is the owner of United States Letters Patent No. 1,368,111 to Frank R. Chester, dated February 3, 1921, for "amusement apparatus." Defendant Kentucky Derby Company, Inc., is the owner of United States Letters Patent to A. V. and O. T. Clorius No. 1,203,852 dated November 7, 1916, for "game of skill." Defendant Neble is president of defendant company.

Plaintiff filed a bill of complaint against defendant alleging infringement of claims 1, 2, and 6 of the Chester patent.

Defendant Kentucky Derby Company, after the usual denials, alleged as a counterclaim the infringement by plaintiff of the claims of the Clorius patent, and defendant Neble answered denying liability.

The district court filed its decree holding the Chester patent valid and (1) that defendants infringed claims 1, 2, and 6 thereof, and (2) that plaintiff did not infringe the Clorius patent, and (3) therefore that the counterclaim should be dismissed.

The decree did not specifically hold the Clorius patent valid, but, after examining the opinion and the wording of the decree, it is plain that the district court assumed that the claims of the Clorius patent were valid.

This case does not involve any debatable question of law nor any mechanical nor scientific problem requiring extensive exposition.

Both devices were designed to appeal to a public which enjoys a certain type of amusement furnished by operation of these contrivances. Clorius was first in the field with toy horse racing, held by the New York courts not to be unlawful. Chester followed with toy balloons. As this balloon game became popular, defendant company, as one of its devices, substituted balloons for horses. Hence this lawsuit.

We are concerned only with the features of the controversy which relate to the mechanism used and, as pointed out by the district court, the amusement features make no difference. Clorius and Chester can each race toy horses or explode toy balloons at will, if the respective patents, as defined in the claims, are different from the patent standpoint.

[1] We agree with the district court in holding that plaintiff does not infringe the claims of the Clorius patent and, in order to remove any doubt as affecting future litigations, if any, we hold the Clorius patent valid.

[2] We also agree that the Chester patent is valid.

Our sole disagreement with the district court is that, owing to a different mental concept, we look at the Chester patent as narrower than held to be by the district court, and, hence we think, that claims 1, 2, and 6 of the Chester patent were not infringed by defendants.

We think, among other reasons, that the file wrapper prevents the allowance to Chester of the range of equivalents necessary to find infringement in the case at bar.

The Chester patent may be typified by claim 1, which reads:

> An amusement apparatus, comprising a hollow fragile object adapted to be demolished by the action of fluid pressure, a fluid pressure generating means having a hand-operated member and arranged to generate fluid pressure for demolishing the said object, and controlling means controlled by the said hand-operated member and controlling the generated fluid pressure.

Thus claim 1 of Chester is limited to "controlling means controlled by the said hand-operated member and controlling the generated fluid pressure." The word "generated" defines what the Chester patent is intended to do, namely, to control the pressure after it is generated, or, in other words, to maintain constantly a generated pressure, and to control such pressure at some point between the pump which generates it and the balloon.

Defendants' machine does not maintain a constant generated pressure, because when the critical speed of the handwheel is exceeded in defendants' machine, the pump stops operating. Thus, defendants' machin unclutches the pump or motor element. Plaintiff's invention consisted in letting the pump run continuously with the handwheel and placing a bleed valve or some other means between the pump and the balloon to effect changes in the speed of inflation of the balloon.

Claim 2 is limited to "controlling the flow of the fluid pressure from the said fluid pressure supply means to the said hollow fragile object." Defendants' machine does not control the flow of fluid pressure from the fluid-pressure-supply means to the hollow fragile object, because defendants' machine stops the operation of the fluid-pressure-supply means, and during such stoppage, there is no flow from the fluid-pressure-supply means to the balloon.

Claim 6 is restricted to "controlling the flow of the compressed air from the air pump into the said object." The Chester patent contemplates compressing air continuously while the handwheel is turned, and permitting a greater or less amount of such compressed air to flow to the balloon. Defendants' machine does not compress the air continuously, but when the critical speed of the handwheel is exceeded, the pump stops and there is no compression during the interval.

Decree modified, as indicated, with half costs in this court and in the district court.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

935,590, 935,781, J. Deinet, New vat dyestuff; 1,009,741, O. Gunther, Red-violet coloring matter; 1,012,853, G. Holste, New dye; 1,045,805, W. Berchelmann, Greenish-blue wool dye; 1,101,739, Gunther & Zart, Azo dyestuffs, suit filed Oct. 2, 1923, D. C., E. D. N. Y., Doc. 1319, *Grasselli Chemical Co.* v. *Commonwealth Color & Chemical Co.*

935,781. (See 935,590.)

1,009,741. (See 935,590.)

1,012,853. (See 935,590.)

1,045,805. (See 935,590.)

1,081,225, Des. 47,035, H. L. Feasel, Mop, suit filed Nov. 8, 1923, D. C., E. D. Wis., Doc. 1366 C D, *O-So-Ezy Products Co.* v. *The Gem Hammock & Fly Net Co.*

1,084,656. (See 1,156,141.)

1,101,739. (See 935,590.)

1,105,927, 1,171,143, 1,171,144, W. B. Ruggles, Drier; 1,150,887, same, Furnace; 1,269,120, same, Mixer and drier; 1,229,978, W. J. Kuntz, Drier, suit filed Nov. 24, 1923, D. C., N. D. Pa., Doc. 403, *Ruggles-Coles Engineering Co.* v. *McGann Mfg. Co., Inc.*

1,107,325, W. B. Laskey, Candy and process of making same; 1,468,535, same, Die for making porous candies, suit filed Oct. 23, 1923, D. C., E. D. N. Y., Doc. 1337, *The Chocolate Sponge Co.* v. *Repetti, Inc.*

1,139,685, F. E. Judd, Controlling mechanism for throttle valves; 1,284,523, Williams & Williams, Accelerator attachment, suit filed Oct. 1, 1923, D. C., E. D. N. Y., Doc. 1318, *Williams Bros. Aircraft Corp.* v. *The Gould Mersereau Co.*

1,150,887. (See 1,105,927.)

1,156,141, Hess & Myers, Ribbon spools for typewriting machines; 1,301,696, E. B. Hess, same; and (inserted by amended bill of complaint, Nov. 22, 1923), 1,084,656, L. C. Myers, Ribbon mechanism for typewriting machines, suit filed Oct. 17, 1923, D. C., S. D. N. Y., Doc. E 27/171, *Royal Typewriter Co., Inc.* v. *W. Gratton & Son, Ltd.*

1,171,143. (See 1,105,927.)

1,171,144. (See 1,105,927.)

1,229,978. (See 1,105,927.)

1,269,120. (See 1,105,927.)

1,284,523. (See 1,139,685.)

1,301,696. (See 1,156,141.)

1,307,734. (See Re. 14,667.)

1,411,391, J. D. Tucker, Spoke tightener, suit filed July 29, 1922, D. C., S. D. Calif., Doc. E 84-B, *Tucker Bros. Mfg. Co.* v. *W. A. Waterman.* Decree Nov. 12, 1923, holding patent valid and infringed by defendant and granting permanent injunction.

1,468,535. (See 1,107,325.)

Re. 14,667, F. D. Winkley, Lubricating systems; 1,307,734, A. V. Gullborg, Lubricating means, suit filed Nov. 12, 1923, D. C., N. D. Ohio, Doc. 1000, *The Bassick Mfg. Co.* v. *The Lyman Mfg. Co. et al.*

Re. 15,641, J. H. Emery, Artificial fruit and methods of producing same, suit filed Aug. 20, 1923, D. C., S. D. N. Y., Doc. E 27/85, *J. H. Emery* v. *Gluckin & Schneiderman* (*W. Gluckin & Co.*).

Des. 47,035. (See 1,081,225.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,341,806, A. König, Machine for forming saw blades, decided December 7, 1923, claim 5.

Pat. 1,360,931, H. W. Graves, Roof truss, decided October 29, 1923, claim 1.

Pat. 1,370,312, F. A. Hart, Combined typewriting and computing machine, decided December 8, 1923, claim 32.

Pat. 1,396,348, B. C. Stickney, Combined typewriting and computing machine, decided December 8, 1923, claims 1, 26, 33, 72, and 73.

Disclaimers.

1,383,843.—*Carl G. Olson* and *Frank W. England*, Chicago, Ill. HOB-GRINDING MACHINE. Patent dated July 5, 1921. Disclaimer filed December 10, 1923, by the assignee, *Illinois Tool Works*.

Hereby enters this disclaimer—

"To that part of the claim in said specification which is in the following words, to wit:

"1. A machine tool having a tool holder and a rocking frame, one of which oscillates about a fixed axis for producing relative movement between the tool and the work for producing relief in the work, means for rotating the work in the work holder, a rotating cam, a pivoted arm actuated by said cam, a rider carried by the aforesaid part which oscillates, for transmitting the movement of the arm to the part which oscillates, said rider being adjustable relatively to the axis of the part which oscillates.

"2. A machine tool having a rocking frame for swinging the work toward and from the tool for taking an eccentric cut, a cam for oscillating the rocking frame, a pivotally supported arm adapted to be oscillated about its pivot by said cam, and a rider directly cooperating with the arm and the rocking frame for transmitting the oscillatory movement of the arm to the rocking frame, said rider being adjustable toward and from the axis of one of the elements with which it directly cooperates."

1,388,334.—*John E. Greenawalt*, New York, N. Y. GRATES FOR SINTERING PANS. Patent dated August 23, 1921. Disclaimer filed December 20, 1923, by the patentee.

Hereby enters this disclaimer—

"To that part of the claims in said specification which is in the following words, to wit:

"16. In combination with a treatment vessel, a grate presenting a substantially even surface for the support of the charge to be treated, said vessel being tiltable for dumping the charge, and means for causing a distortion of the charge-supporting surface of the grate with a dumping movement of the vessel.

"17. In combination with a treatment vessel tiltable in a vertical plane about a fixed axis, a grate presenting a substantially even surface for the support of the charge to be treated, and means for causing a distortion of the charge-supporting surface of the grate with a tilting of the vessel to dumping position.

"18. A grate of the character described, comprising a series of component members forming a support for the charge, and means for permitting a member to participate in a limited outward movement from its normal position of rest.

"19. A grate of the character described, comprising a series of component members forming a support for the charge, and means for permitting a member to participate in a limited outward movement in a direction transverse to the supporting surface of the grate.

"20. A grate of the character described, comprising a series of component members collectively presenting a normally horizontal supporting surface for the charge, and means for permitting a member to participate in a limited vertical outward movement.

"21. A grate of the character described, comprising a series of component members collectively forming a support for the charge, said grate being provided with openings for the passage of gases, and means for permitting a member to participate in a limited outward movement in a direction transverse to the supporting surface of the grate.

"22. A grate of the character described, comprising a series of grate-bars spaced suitable distances apart to form grate openings, means for supporting the bars, and means for permitting a predetermined number of the bars to participate in a limited outward movement in a direction transverse to the supporting surface of the grate.

"29. In combination with a sintering pan rotatable in a vertical plane for dumping the charge treated, supporting means positioned beneath the charge during the period of treatment, said supporting means participating in a limited downward movement to break up and dislodge any sintered material adhering thereto upon rotation of the pan to dumping position.

"30. In combination with a sintering pan tiltable in a vertical plane for dumping the charge treated, a support for the charge, and means for causing said support to shift its position within suitable limits with a dumping movement of the pan, in a direction operating to release any sintered material adhering to the support.

"31. In combination with a sintering pan mounted to be inverted for dumping the treated charge, a series of supports for the charge, and means for causing a predetermined portion of said supports to become displaced from their normal positions of rest with an inversion of the pan, said displacement being in a direction operating to break up and release any sintered material adhering to said supports.

"32. In combination with a sintering pan tiltable in a vertical plane for purposes of dumping, a grate for supporting the charge during treatment, said grate having component parts capable of a limited vertical movement, and means cooperating with said parts to cause a vertical outward displacement thereof from their normal positions of rest with a dumping movement of the pan, thereby dislodging and breaking up any sinter adhering to the grate.

"34. In combination with a grate-bar, a suitable support for the bar, and cooperating means between the bar and its support for causing the bar to drop a certain distance with an inversion of the bar and its support.

"38. In combination with a sintering pan mounted to be inverted for dumping the treated charge, supporting means positioned beneath the charge during the period of treatment, said supporting means participating at different points in a limited downward movement to break up and dislodge any sintered material adhering thereto, upon the tilting of the pan to dumping position.

"39. In combination with a tiltable treatment vessel, a grate member positioned to support the charge and being at rest during the treatment of the charge, and means for causing said member to drop through a limited distance away from its normal position of rest, with a dumping movement of the vessel.

"40. In combination with a tiltable treatment vessel, a perforated support for the charge, and means for causing different portions of said support to drop through a limited distance away from their original positions of rest with a dumping movement of the vessel.

"41. In combination with a tiltable sintering pan, a grate comprising a plurality of independent members for supporting the charge, and means for causing a portion of the members to participate in a limited downward displacement from their original supporting positions with a dumping movement of the pan.

"42. In combination with an open top sintering pan rotatable about a fixed axis for dumping, a grate comprising a plurality of bars spaced apart and collectively presenting an even supporting surface to the charge resting thereon, and means for causing a portion of the bars to participate in a limited drop with a dumping movement of the pan.

"45. In a tiltable treatment vessel, a grate comprising a plurality of members spaced apart, and means for imparting to any predetermined number of the members a limited outward displacement in a direction transverse to the charge-supporting surface of the grate with a dumping movement of the vessel.

"47. In combination with a treatment vessel tiltable in a vertical plane, a grate member participating in a limited outward movement or drop with a tilting of the vessel to dumping position.

"49. In combination with a tiltable treatment vessel, a grate comprising a series of component members forming a support for the charge, and means for causing a member to participate in a limited outward movement from its normal position of rest with a tilting of the vessel to dumping position."

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 15, 1924.

[VOL. 318. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 138,735. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Oct. 23, 1920.

FROSCOAT FINISH

No claim is made to the exclusive use of the word "Finish" apart from the mark shown herein. The mark consists of the words "Froscoat Finish."

Particular description of goods.—Tools, Machines, and Parts Thereof Used in the Manufacture of Shoes, Comprising Splitting Knives, Skiving Knives, Scarfing Knives, Strip Bevelers, Tap Cutters, and Edge-Trimming Cutters.

Claims use since about Apr. 23, 1920.

Ser. No. 140,448. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Tandstickor, Made in Sweden, Trade Mark Registered" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto. The medals shown as a part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.

Claims use since about Feb. 2, 1911.

Ser. No. 147,025. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM H. HUGHES, Washington, Pa. Filed Apr. 30, 1921.



Particular description of goods.—Oil-Base Liquid Detergent and Cleaning Preparations and Liquid Dressings for Automobile Tops and for Automobile Seats.

Claims use since June, 1919.

Ser. No. 148,667. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTHWESTERN LEATHER CO., Boston, Mass. Filed June 4, 1921.



No claim is made to the word "Tannery" apart from the mark shown in the drawing.

Particular description of goods.—Leathers.

Claims use since 1898.

Ser. No. 149,794. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BLAXILK PRODUCTS COMPANY, Minneapolis, Minn. Filed June 29, 1921.

BLAXILK

Particular description of goods.—Top Dressing for Automobiles and Other Vehicles.
Claims use since Feb. 1, 1921.

Ser. No. 155,983. (CLASS 39. CLOTHING.) THE WILEY-BICKFORD-SWEET COMPANY, Worcester, Mass., and Hartford, Conn. Filed Nov. 26, 1921.

Capitol

Particular description of goods.—Knitted Suits, Knitted Coats, Bathing Suits, Sport Coats, Spiral Spats, Leggings, Overgaiters; Felt, Satin, and Leather Slippers; Insoles, and Felt, Satin, and Leather Shoes.
Claims use since January, 1917.

Ser. No. 157,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLENWILD HOTEL & FARMS, INC., Monroe, N. Y. Filed Dec. 24, 1921.

TRAHANA

Particular description of goods.—Soup.
Claims use since Dec. 12, 1921.

Ser. No. 159,115. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn. Filed Feb. 9, 1922.

"TEXTILE PELTS"

The mark consists of the words "Textile Pelts."
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Jan. 4, 1922.

Ser. No. 160,111. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CROFTS & REED CO., Chicago, Ill. Filed Mar. 3, 1922.

Supreme OLIVE

No claim is made to exclusive use of the word "Olive" apart from the mark as shown.
Particular description of goods.—Toilet Soap.
Claims use since June, 1922.

Ser. No. 160,916. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ARROW NOVELTY COMPANY, INC., New York, N. Y. Filed Mar. 20, 1922.

ANCO

Particular description of goods.—Leather Goods and Novelties—Namely, Wallets, Change Purses, Pocketbooks, Bill Folds, Hand Bags, Hand-Painted Bags, Cardcases, Alligator Purses and Wallets, Wrist Purses; Combination Cases Containing Bill Fold, Notebook, Pencil, Change Purse, Cardcase, Stamp Pocket, Calendar, Either in This Combination or in Other Combinations; Finger Purses, Leather Ring Cases, Sheepskin Purses with Leather Straps, Auto Cap Purses, Frame Purses, Frame Tray Purses, Change Purses, Bag Tags of Leather.
Claims use since January, 1917.

Ser. No. 160,917. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ARROW NOVELTY COMPANY, INC., New York, N. Y. Filed Mar. 20, 1922.

ARROW NOVELTY CO. INC. NEW YORK

Particular description of goods.—Leather Goods and Novelties—Namely, Wallets, Change Purses, Pocketbooks, Bill Folds, Hand Bags, Hand-Painted Bags, Cardcases, Alligator Purses and Wallets, Wrist Purses; Combination Cases Containing Bill Fold, Notebook, Pencil, Change Purse, Cardcase, Stamp Pocket, Calendar, Either in This Combination or in Other Combinations; Finger Purses, Leather Ring Cases, Sheepskin Purses with Leather Straps, Auto Cap Purses, Frame Purses, Frame Tray Purses, Change Purses, Bag Tags of Leather.
Claims use since January, 1917.

Ser. No. 160,918. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ARROW NOVELTY COMPANY, INC., New York, N. Y. Filed Mar. 20, 1922.

ANCO

Particular description of goods.—Leather Goods and Novelties—Namely, Wallets, Change Purses, Pocketbooks, Bill Folds, Hand Bags, Hand-Painted Bags, Cardcases; Alligator Purses and Wallets, Wrist Purses; Combination Cases Containing Bill Fold, Notebook, Pencil, Change Purse, Cardcase, Stamp Pocket, Calendar, Either in This Combination or in Other Combinations; Finger Purses, Leather Ring Cases, Sheepskin Purses with Leather Straps, Auto Cap Purses, Frame Purses, Frame Tray Purses, Change Purses, Bag Tags of Leather.
Claims use since 1917.

Ser. No. 161,327. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PAUL MCBRIDE, Richmond, Ind. Filed Mar. 27, 1922.

MYSTIC WHEEL

No claim made to the word "Wheel."
Particular description of goods.—Table Board Game Played with Pieces.
Claims use since Jan. 3, 1922.

Ser. No. 164,381. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORTLAND LINE CO., INC., Cortland, N. Y. Filed May 24, 1922.

HERCULES PRESSURE PROCESSED YDS. 25 SIZE E TEST 32 LBS ENAMELED SILK FLY LINE

No claim is made to the exclusive use of the representation of the fish and line, the words "Brand, Enameled Silk Fly Line, Pressure Processed, Yds. 25, Size E, Test 32 Lbs." apart from the mark as shown in the drawing.
Particular description of goods.—Enameled Silk Fishing Lines.
Claims use since Feb. 23, 1918.

Ser. No. 165,523. (CLASS 12. CONSTRUCTION MATERIALS.) JAMES EDWARD CASSIDY, doing business as Asphalt Roofing Products Co., Washington, D. C. Filed June 15, 1922.

TRINITY

Particular description of goods.—Coating for Roofs, Composed of Natural Lake Asphalt, Volatile Oils, and Long Asbestos Fiber.
Claims use since Feb. 1, 1922.

Ser. No. 165,768. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SOCIÉTÉ ANONYME LE CARBONE, Levallois-Perret, France. Filed June 20, 1922.

LE CARBONE

For purposes of this registration and without waiving any common-law rights thereto the words "Le Carbone" are disclaimed apart from the mark as shown in the drawing. The color lines shown upon the letter "C" are for the purpose of indicating shading only.
Particular description of goods.—Electric Cells.
Claims use since May 10, 1922.

Ser. No. 166,402. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed July 1, 1922.



Particular description of goods.—Soap, Ivory Polish, Glove Cleaner, a Liquid Cleaning Preparation for Use on Textile Fabrics, Fuller's Earth for Detergent Purposes, Whiting, Powdered Pumice Stone, Spanish Bark in the Nature of a Soap for Cleaning Textiles, a Textile-Cleaning Preparation in the Nature of a Soap, and a Floor Cleaning or Sweeping Compound in Powder Form.
Claims use since 1900.

Ser. No. 167,140. (CLASS 39. CLOTHING.) D. NUSBAUM & CO., INC., New York and Woodhaven, N. Y. Filed July 20, 1922.

NUKNIT

Particular description of goods.—Knitted Outer Garments and Undergarments—Namely, Knitted Capes; Hats for Men, Women, and Children; Mufflers, Scarfs, Gloves of Knitted Fabric, Mittens, Leggings, Sweaters, Vests, Coats, and Hosiery.
Claims use since Apr. 11, 1922.

Ser. No. 167,283. (CLASS 39. CLOTHING.) GOLDMAN COSTUME COMPANY, INC., New York, N. Y. Filed July 22, 1922.

Betty Wales

The script words "Betty Wales" is the signature adopted by the author, who created the fictitious character known as "Betty Wales" for the series of books bearing that name.
Particular description of goods.—Underwear and Furnishings—viz, Men's and Women's Underwear Consisting of Shirts, Undershirts, Chemise, Chemisette, Camisole, Combination Aprons, Rubber Coats and Mackintoshes, Overalls, Cloaks, Suits, Hats, Helmets, Athletic Underwear, Knitted Undergarments, Oiled Clothing and Waterproofed Garments, Sleeping Garments, Gymnasium Suits, Jackets, Bonnets, Hat Frames, Sashes, Scarfs, Mufflers, Gaiters, Bustles; Dress, Negligee, and Work Shirts; Trousers, Rubbers, Boots, Shoes, Union Suits, Shirt Waists, Brassières, Negligees, Toques, Jumpers, Leggings, Putties, Bathing Suits, Gauntlets, Sweaters, Hoods, Caps, Vests, Capes, Hosiery, Sport and Sporting-Goods Suits, Outing Shirts, Jerseys, Knee Tights, Camping Suits, Sandals, Kimonos, Neckwear, Cuffs, Shawls, Blouses, Mittens, Drawers, Bloomers, Petticoats, Corset Covers, Corsets, Teddy Envelopes, and Slippers.
Claims use since about Jan. 5. 1917.

Ser. No. 167,349. (CLASS 39. CLOTHING.) DUTCHESS KNITTING MILLS, New York, N. Y. Filed July 25, 1922.

KDM DUTCHESS KNITTING MILLS

The words "Dutchess Knitting Mills" are disclaimed apart from the mark as shown.
Particular description of goods.—Knitted Outerwear for Men, Women, Children, and Infants—Namely, Sweaters, Jerseys, Dresses, Skirts, Slip-Ons, Scarfs, Caps, Hats, Bathing Suits, Drawer Leggings, Gloves, and Bootees.
Claims use since June, 1920.

Ser. No. 167,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILFRID PAUL HEATH, Chicago, Ill. Filed July 31, 1922.

HEATHIZED

Particular description of goods.—Bread, Butter, and Ice Cream.
Claims use since Dec. 10, 1921.

Ser. No. 167,991. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES F. MACDONALD, doing business as Jas. F. Macdonald Company, San Francisco, Calif. Filed Aug. 9, 1922.

BRUME

Particular description of goods.—Rakes.
Claims use since July 10. 1922.

Ser. No. 168,177. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEMOLIN CORPORATION, New York, N. Y. Filed Aug. 12. 1922.

KLEEN KUT

Particular description of goods.—Lawn-Mower Blades.
Claims use since June 20, 1922.

Ser. No. 168,438. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TUTTLE & BAILEY MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Aug. 18, 1922.

FERROCRAFT

Particular description of goods.—Heating and Ventilating Apparatus—Namely Grilles, Screens, Registers, and Ventilators, Either Plain or Ornamental, of Bronze, Brass, Iron, and Steel.
Claims use since July 8, 1922.

Ser. No. 168,531. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH J. KLEINER & CO., New York, N. Y. Filed Aug. 21, 1922.

JOSEPH J. KLEINER & CO. PARAMOUNT NEW YORK, N.Y.

No claim is made to the exclusive use of the words "New York, New York" apart from the mark shown on the drawing.
Particular description of goods.—Clinical Thermometers, Hypodermic Needles, Hypodermic Syringes, Sputum-Cup Refills, Sputum-Cup Holders, Blood-Counting Pipettes, Blood-Counting Chambers; Hospital Rubber Goods, Including Surgeons' Gloves, Hot-Water Bottles, Ice Caps, Sheeting, Catheters, Rectal Tubes, Colon Tubes, Stomach Tubes, Rubber Tubing, Operating Pads, Invalid Rings; Hospital Glassware, Including Glass Urinals, Rectal Tips, Vaginal Tips, Drinking Tubes, Gruel Tubes, Murphy Drips; Hospital Enamel Ware, Including Bedpans, Douche Pans, Urinal, Irrigators, Pus Basins; Sutures, Including Silkworm Gut, Catgut, Etc.; Wood Applicators, Wood Tongue Blades.
Claims use since about Feb. 1, 1922.

Ser. No. 169,175. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MIRACLE SALES CO., Los Angeles, Calif. Filed Sept. 7, 1922.



Particular description of goods.—Soap.
Claims use since Aug. 21, 1922.

Ser. No. 169,476. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DEMING COMPANY, Salem, Ohio. Filed Sept. 15, 1922.

OIL-RITE

Particular description of goods.—Power Pumps.
Claims use since Aug. 31, 1922.

Ser. No. 169,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ABILENE FLOUR MILLS COMPANY, Abilene, Kans. Filed Sept. 16, 1922.

BETTER BREAD

No claim is made to the words "Better Bread" apart from the mark as shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since January, 1915.

Ser. No. 169,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABELLA LABORATORY, Chicago, Ill. Filed Sept. 16, 1922. Under ten-year proviso.

ELSNER'S PEARL CREAM

Particular description of goods.—Cream for Removing Freckles, Tan, and All Discolorations of the Skin.
Claims use since prior to Jan. 1, 1895.

Ser. No. 171,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. JONES & CO., Oakland, Calif. Filed Nov. 11, 1922.

GOLDEN WEST

Particular description of goods.—Canned Peaches.
Claims use since Aug. 10, 1922.

Ser. No. 171,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTONIO CORRAO, New York, N. Y. Filed Nov. 13, 1922.



The feature originally shown in the drawing, but now sought to be eliminated therefrom—namely, "Vittorio Emanuele II"—considered either alone or as a part of the mark originally shown in the drawing, is deemed by the applicant to be neither material nor essential; that the applicant disclaims the right to the exclusive use of the above-identified feature upon goods of the same descriptive properties.

Particular description of goods.—Olive Oil.
Claims use since Dec. 4, 1920.

Ser. No. 173,167. (CLASS 39. CLOTHING.) BRODIN MILLINERY COMPANY, Los Angeles, Calif. Filed Dec. 11, 1922.

California Girl

Particular description of goods.—Girls' Hats.
Claims use since Sept. 22, 1917.

Ser. No. 173,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIANCHI, SALVATERRA & Co., Modena, Italy. Filed Dec. 21, 1922.



The three-leaf clover is green upon a circular field of light yellow, the three letters "B. S. C." being white, and the broken triangular shield around the center of the said clover leaf being in yellow, all as indicated upon the annexed drawing.

Particular description of goods.—Cheese and Salt Meat (Sausage).
Claims use since Jan. 15, 1921.

Ser. No. 173,900. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LANSBURGH & BRO., INC., Washington, D. C. Filed Dec. 27, 1922. Under ten-year proviso.

Lansburgh & Bro.

Particular description of goods.—Shoe Lasts, Blind Awnings, Rat Traps, Rubber Cloth, Rubber Carriage Drill and Duck, Corks, Rubber Mats, Statuary, Statuettes, Banners, Sticky Fly Paper, Rubber Floor and Bath Mats, Bronzes, Artificial Leather, Imitation Chamois Skins, Waterproof Cloths, Cloth or Canvas Backed Leather, Fly and Insect Catchers, Stepladders, Canvas Canopies, Bottle Stoppers, Artificial Straws, Mousetraps, Bottle Corks, Blackboards; Holders for Spreading and Hanging Coats, Vests, Skirts, Waists, and Other Apparel; Imitation Leather, Waterproof Fabric, Awnings, Roll Felts, Moth Catchers, Shoe-Trees; Elastic Felt for Mattresses, Cushions, and Stair and Other Pads; Cloth Felts, Shoe Felts, and Hat Felts; Hollow Shoe Forms, Flags and Banners, Wooden Ladders of All Kinds, Caps and Corks, India-Rubber Stair Nosings, India-Rubber Binding for Mats or Carpets, Bottle and Prescription Corks, Apparatus for Cooking by Retained Heat, Sheet Rubber, Waterproofed Cotton Piece Goods, Straw Pipes or Tubes Through Which Liquids May be Drawn, Fireless Cookstoves, Flagpoles, Felts in the Piece, Skirt and Trousers Hangers Made of Metal, Textile Cotton Fabric Waterproofed with Oil, Rubber Sheeting, Leather Cloth, Curtain Stretchers, Felt Pennants, Waterproofed and Spotproofed Silks, Garment Hangers, Devices for Catching Flies, Boot and Shoe Trees, Dress Forms, Pennants, Emblem Pins and Display Emblems not made of Precious Metal, Waterproofed Fabric for Vehicle Tops, Garment Folders or Flat Forms Placed Inside a Coat or Garment to Keep Same from Creasing; Porcelain, Glass, and Vitreous-Ware Stoppers for Bottles; Wood-Top Corks, Portable Garment Hangers for Household and Travelers' Use, Ladders, Ladder Brackets, Packing Forms for Garments and Garment-Display Forms, Asbestos Table Pads, Trouser Stretchers, Pile Fabrics and Corduroys Treated to be Waterproof, Rubberized Top Fabric for Vehicles, Millinery Felts in the Piece, Fly Swatters.
Claims use since 1860.

Ser. No. 174,856. (CLASS 17. TOBACCO PRODUCTS.) S. S. PIERCE CO., Boston, Mass. Filed Jan. 20, 1923.



No exclusive claim is made to the words "Special" and "Smoking Mixture" except as associated with the other features of the mark.

Particular description of goods.—Smoking Tobacco.
Claims use since Oct. 2, 1922.

Ser. No. 175,382. (CLASS 32. FURNITURE AND UPHOLSTERY.) CALIFORNIA GLASS & PAINT COMPANY, Los Angeles, Calif. Filed Feb. 1, 1923.



Particular description of goods.—Mirrors.
Claims use since June, 1920.

Ser. No. 175,383. (CLASS 32. FURNITURE AND UPHOLSTERY.) CALIFORNIA GLASS & PAINT CO., Los Angeles, Calif. Filed Feb. 1, 1923.

POPPY BRAND

No claim is made to the word "Brand."
Particular description of goods.—Mirrors.
Claims use since June, 1920.

Ser. No. 175,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PASK, CORNISH & SMART, London, England. Filed Feb. 9, 1923.



No claim is made to the exclusive use of the letters "P. O. P." or the reading matter "The Pick of the Palm" or "Finest Tunis Dates" or the name of the firm's agents "J. Lavagne & Co., Marseille."

Particular description of goods.—Dates.
Claims use since Oct. 24, 1921.

Ser. No. 175,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS-REECE COMPANY, INC., Brooklyn, N. Y. Filed Feb. 13, 1923.

Thrill

Particular description of goods.—Articles of Confectionery—Namely, Cake.
Claims use since Aug. 1, 1922.

Ser. No. 176,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND BAKERY COMPANY, Somerville, Mass. Filed Feb. 14, 1923.

New England Bread

No claim is made to the words "New England Bread" apart from the mark as shown, applicant, however, reserving its common-law rights to the use of the disclaimed words.

Particular description of goods.—Bread.
Claims use since May 1, 1922.

Ser. No. 176,248. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Feb. 19, 1923.

SILVERTOWN SILK CORDS

No claim for registration is made herein for the words "Silk Cords" except in the association shown in the drawing, no common-law or other rights, however, being waived.

Particular description of goods.—Shirts.
Claims use since February, 1922.

Ser. No. 176,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DULUTH SUPERIOR MILLING COMPANY, Duluth, Minn., and New York, N. Y. Filed Feb. 26, 1923.

WISKOTA

Particular description of goods.—Wheat Flour.
Claims use since Sept. 27, 1892.

Ser. No. 177,399. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MISENER & IRVING MFG. CO., Syracuse, N. Y. Filed Mar. 13, 1923.

MISENER

The word "Misener" is disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Tools Using a Hack-Saw Blade for Cutting Circular Holes in Metal, Etc.
Claims use since on or about Jan. 1, 1920.

Ser. No. 177,504. (CLASS 39. CLOTHING.) MELANSON SHOE CO., Lynn, Mass. Filed Mar. 15, 1923.

KORE X ARCH

No claim is made to the word "Arch" apart from the mark.
Particular description of goods.—Shoes of Leather and Fabric with or without Rubber Heels and Canvas Shoes with Rubber or Leather Soles and Heels.
Claims use since Feb. 15, 1923.

Ser. No. 177,571. (CLASS 39. CLOTHING.) JOSEPH PIETZUCH, Cincinnati, Ohio. Filed Mar. 16, 1923.

FOOT GUIDE

Particular description of goods.—Rubber Heels and Lifts for Heels (Made of Rubber or Analogous Material) for Boots, Shoes, and Slippers.
Claims use since Jan. 15, 1923.

Ser. No. 178,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCO-ICE COMPANY, Chicago, Ill. Filed Mar. 27, 1923.

COLD-DOG

Particular description of goods.—Confections and Food Products—Namely, Chocolate or Candy Coated Pastry Containers for Ice Cream and Other Food Products.
Claims use since about March, 1922.

Ser. No. 178,102. (CLASS 39. CLOTHING.) HILLSBORO SHOE CO., Manchester, N. H. Filed Mar. 27, 1923.

HILLSBORO KIXIE SHOE CO.

No claim is made to the words "Hillsboro Shoe" apart from the mark shown in the drawing.
Particular description of goods.—Boots and Shoes Made in Whole or in Part of Leather and of Fabric and Having Soles of Leather or Rubber or Composition.
Claims use since Dec. 2, 1922.

Ser. No. 178,710. (CLASS 39. CLOTHING.) BURNHAM, STOEPEL & COMPANY, Detroit, Mich. Filed Apr. 7, 1923.

AUTOCITY

Particular description of goods.—Men's Work Shirts, Dress Shirts, Pyjamas, Nightshirts, Overcoats, Mackinaws, Sheep Coats, and Overalls.
Claims use since Aug. 1, 1922.

Ser. No. 179,552. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ESTEBAN PUIGDENGOLAS, Barcelona, Spain. Filed Apr. 23, 1923.



BULL-DOG

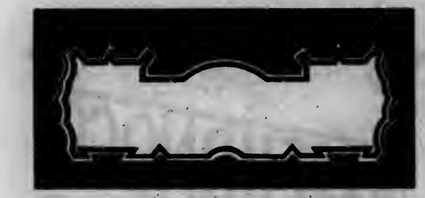
Particular description of goods.—Toothpicks.
Claims use since December, 1922.

Ser. No. 180,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACHILLE STARACE & CO., New York, N. Y. Filed May 18, 1923.

AQUILA

Particular description of goods.—Salad Oil for Cooking and Table Use Composed of Cottonseed Oil Flavored with Pure Olive Oil.
Claims use since January, 1895.

Ser. No. 181,008. (CLASS 39. CLOTHING.) THE BETTMANN-DUNLAP COMPANY, Cincinnati, Ohio. Filed May 23, 1923.



Particular description of goods.—Leather Boots and Shoes.
Claims use since Nov. 1, 1903.

Ser. No. 181,017. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed May 23, 1923.

PARACORD

Particular description of goods.—Rubber Soles and Heels.
Claims use since May 1, 1923.

Ser. No. 181,070. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RICHARD ABRAHAM HERDER, doing business as Richard Abr. Herder, Solingen, Germany. Filed May 24, 1923.



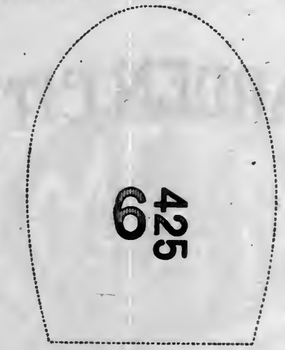
Particular description of goods.—Industrial Knives, Table Knives and Forks of Base Metal, Scissors, Corkscrews, Razors, Safety Razors, Daggers, Sabers, Plane Irons, Saws, Files, and Axes.
Claims use since Mar. 2, 1887.

Ser. No. 181,283. (CLASS 39. CLOTHING.) THE JEAN GARMENT COMPANY, Chicago, Ill. Filed May 28, 1923.

Jean MAID

Particular description of goods.—Lingerie, Women's and Children's Gymnasium Bloomers, and Underwear Made of Cotton and Silk Fabrics—Namely, Bloomers, Petticoats, and Step-ins.
Claims use since about Nov. 15, 1922.

Ser. No. 181,359. (CLASS 39. CLOTHING.) WILLIAMSBURG WOOD HEEL CO., INC., Brooklyn, N. Y. Filed May 29, 1923.



The lining in the drawing is used to represent the colors red and black. The outline of the top of the heel forms no part of the mark and is disclaimed apart from the mark as shown.
Particular description of goods.—Wood Heels.
Claims use since about June 1, 1918.

Ser. No. 181,523. (CLASS 39. CLOTHING.) FINERY SILK STOCKING CO., INC., New York, N. Y. Filed June 4, 1923.



No claim is made for the word "Hosiery" apart from the mark shown by the drawing.
Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1923.

Ser. No. 181,670. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PAUL H. BRANDES, Bridgeport, Conn. Filed June 8, 1923.

GALUPIGO

"Galupigo."
Particular description of goods.—Toys—Namely, Tricycles.
Claims use since May 1, 1923.

Ser. No. 181,827. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GARDEN CITY PAINT & VARNISH CO., Chicago, Ill. Filed June 11, 1923.

GARDEN CITY

Particular description of goods.—Cleaner for the Hands and for Painted and Enameled Walls and Woodwork, Tile Floors, Marble, Oilcloths, Linoleum, Sinks, Toilet Bowls, Stoves, Plated Articles, Carpets, and Automobiles.
Claims use since May, 1915.

Ser. No. 182,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IWAN BURGER, INC., New York, N. Y. Filed June 16, 1923.

SARDINETTE

Particular description of goods.—Canned Fish—Namely, Sardines.
Claims use since Aug. 12, 1922.

Ser. No. 182,212. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. L. HOFFMAN, doing business as S. L. Hoffman & Co., New York, N. Y. Filed June 19, 1923.

ECONOMAID

Particular description of goods.—Gingbams in the Piece.
Claims use since about Apr. 23, 1923.

Ser. No. 182,323. (CLASS 12. CONSTRUCTION MATERIALS.) WASMUTH-ENDICOTT COMPANY, Andrews, Ind. Filed June 21, 1923.

Pulmanook

Particular description of goods.—Built-in Furniture—Namely, Tables, Chairs, Cabinets, and Closets.
Claims use since Apr. 1, 1923.

Ser. No. 182,638. (CLASS 32. FURNITURE AND UPHOLSTERY.) AMERICAN FURNITURE NOVELTY CO., Chicago, Ill. Filed June 30, 1923.



Particular description of goods.—Library, Davenport, Gate-Leg, and End Tables, Tea Wagons, Smoking Stands, Ferneries, Sewing Cabinets, Spinet Desks, and Telephone Stands.
Claims use since Mar. 1, 1923.

Ser. No. 182,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SECURITY MANUFACTURING COMPANY, Los Angeles, Calif. Filed June 30, 1923.

SECURITY

Particular description of goods.—Piston Pins, Poppet Valves for Automobiles.
Claims use since Apr. 15, 1921.

Ser. No. 183,001. (CLASS 39. CLOTHING.) SPERLING & SPERLING, New York, N. Y. Filed July 9, 1923.

The Deauville

Particular description of goods.—Juvenile and Women's Coats.
Claims use since about June 1, 1923.

Ser. No. 183,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY E. THORNBERRY, Cairo, Ill. Filed July 9, 1923.



Particular description of goods.—Sandwiches.
Claims use since June 22, 1923.

Ser. No. 183,126. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SPERRY GYROSCOPE COMPANY, Brooklyn, N. Y. Filed July 12, 1923.

MIKE

Particular description of goods.—Navigational Apparatus—Namely, Automatic Steering Devices.
Claims use since Sept. 1, 1922.

Ser. No. 183,345. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE H. D. SMITH & COMPANY, Plantsville, Conn. Filed July 17, 1923.

4

Particular description of goods.—Screw Drivers.
Claims use since Oct. 1, 1922.

Ser. No. 183,663. (CLASS 5. ADHESIVES.) O. K. MANUFACTURING CO., INC., Philadelphia, Pa. Filed July 25, 1923.



Particular description of goods.—Belt and Pulley Covering and Cement.
Claims use since Jan. 10, 1923.

Ser. No. 183,664. (CLASS 39. CLOTHING.) D. M. OBERMAN MANUFACTURING COMPANY, Jefferson City, Mo. Filed July 25, 1923.

KING'S A KNOWN OWN KB OVERALL

No claim is made to the words "A Known Overall" apart from the mark shown on the drawing.
Particular description of goods.—Overalls.
Claims use since January, 1923.

Ser. No. 183,700. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ELEKTRIZITATSWERK LONZA, Gampel and Basel, Switzerland. Filed July 26, 1923.



Particular description of goods.—Burners Adapted to Be Used for Solid Fuels Such as Metaldehyde, Methyl Alcohol, and Ethyl Alcohol for Lighting, Heating, and Cooking Purposes.
Claims use since about Jan. 1, 1923.

Ser. No. 183,801. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) PITTSBURGH STEEL CO., Pittsburgh, Pa. Filed July 28, 1923.

"PITTSTEEL"

Particular description of goods.—Barbed Wire, Bright Wire, Nails, Cement-Coated Wire Nails, Blue-Wire Nails, Galvanized-Wire Nails, Fence Staples, Poultry-Netting Staples, Welded-Joint Wire Fence, Wrapped-Joint Wire Fence, Bale Ties, Wire Spikes, Steel Fenceposts, Cotton Ties.
Claims use since Jan. 9, 1923.

Ser. No. 188,131. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PITTSBURGH STEEL CO., Pittsburgh, Pa. Filed Nov. 8, 1923.

"PITTSTEEL"

Particular description of goods.—Fence Stretcher and Single-Wire Stretchers.
Claims use since Jan. 9, 1923.

Ser. No. 188,132. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PITTSBURGH STEEL CO., Pittsburgh, Pa. Filed Nov. 8, 1923.

"PITTSTEEL"

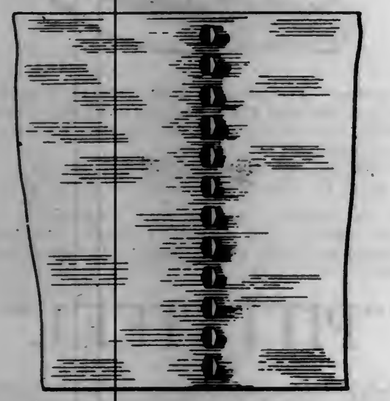
Particular description of goods.—Galvanized Wire, Bright Wire, Annealed Wire, Wire Rods, Hoop Steel, Band Steel, and Strip Steel.
Claims use since Jan. 9, 1923.

Ser. No. 183,133. (CLASS 7. CORDAGE.) PITTSBURGH STEEL CO., Pittsburgh, Pa. Filed Nov. 8, 1923.

"PITTSTEEL"

Particular description of goods.—Two-Ply Twist Cable Wire.
Claims use since Jan. 9, 1923.

Ser. No. 183,864. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed July 30, 1923. Under ten-year proviso.



Particular description of goods.—Toilet Paper.
Claims use since Jan. 1, 1889.

Ser. No. 183,871. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLACK BAND CONSOLIDATED COAL COMPANY, Olcott, W. Va. Filed July 31, 1923.

BLACK BAND

Particular description of goods.—Coal.
Claims use since June 5, 1923.

Ser. No. 183,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTENNIAL MILL COMPANY, Spokane, Wash. Filed Aug. 1, 1923.

BIG LOAF

Particular description of goods.—Wheat Flour.
Claims use since about July 5, 1892.

Ser. No. 183,927. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOTTFRIED LEHMANN, Worb, Switzerland. Filed Aug. 1, 1923.



The word "Brand" is disclaimed.
Particular description of goods.—Cheese.
Claims use since May 31, 1923.

Ser. No. 183,943. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE RIVERSIDE METAL COMPANY, Riverside, N. J. Filed Aug. 1, 1923.



No claim is made to the words "Brand, Metals, New Jersey" apart from the mark as shown on the drawing.
Particular description of goods.—Nonferrous Metal and Nonferrous Metal Alloys.
Claims use since June 27, 1923.

Ser. No. 183,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY SOUTH GRAIN COMPANY, Birmingham, Ala. Filed Aug. 1, 1923.



Particular description of goods.—Cattle, Chicken, and Pigeon Feeds.
Claims use since July 5, 1919.

Ser. No. 183,950. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY SOUTH GRAIN COMPANY, Birmingham, Ala. Filed Aug. 1, 1923.



Particular description of goods.—Cattle, Chicken, and Pigeon Feed.
Claims use since July 5, 1919.

Ser. No. 184,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOYT'S CONSUMERS CRACKER & BISCUIT CORPORATION, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Filed Aug. 4, 1923.

Particular description of goods.—Crackers, Cakes, and Biscuit.
Claims use since May 1, 1923.

Ser. No. 184,076. (CLASS 39. CLOTHING.) KARP, ROTH & LOHREN, New York, N. Y. Filed Aug. 4, 1923.



The words "New York" are hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Women's Clothing, Specifically Women's Coats, Suits, Capes, Wraps, and Dresses.
Claims use since Jan. 2, 1920.

Ser. No. 184,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. R. HOLLINGSHEAD, INC., Binghamton, N. Y. Filed Aug. 7, 1923.



The applicant disclaims the right to the registration of the words "Foot Relief."
Particular description of goods.—Ointment for Relief of Soreness in the Feet, Bunions, Callouses, and Corns, and Applied by Rubbing Ointment on Parts Affected.
Claims use since Dec. 1, 1921.

Ser. No. 184,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. A. WILLIAMS, doing business as Twee Chemical Company, Fort Wayne, Ind. Filed Aug. 8, 1923.



Particular description of goods.—Volatile Crystalline Preparation for the Control of the Clothes Moths by Destruction of Their Eggs and Worms.
Claims use since June 15, 1923.

Ser. No. 184,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Aug. 13, 1923. Under ten-year proviso.

L.T. PIVER

Particular description of goods.—Perfume, Extracts, Toilet Water, Lotions, Hair Tonic, Face Powder, Rouges, Bath Salts, Cold Cream, Talcum Powder, and Sachet.
Claims use since prior to 1880.

Ser. No. 184,459. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Good Feeler

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1909.

Ser. No. 184,460. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Jewel

Particular description of goods.—Women's Shoes of Leather.
Claims use since 1897.

Ser. No. 184,464. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Dairyman

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1912.

Ser. No. 184,465. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Hummer

Particular description of goods.—Children's Shoes of Leather.
Claims use since 1905.

Ser. No. 184,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Aug. 14, 1923.

CLAREX

Particular description of goods.—Clarifying Material Used in the Manufacture of Vinegar.
Claims use since January, 1923.

Ser. No. 184,508. (CLASS 39. CLOTHING.) MICHAELS, STERN & CO., Rochester, N. Y. Filed Aug. 15, 1923.



Particular description of goods.—Men's Suits, Coats, Vests, and Trousers.
Claims use since Mar. 3, 1923.

Ser. No. 184,666. (CLASS 39. CLOTHING.) THE HILL & DALE DISTRIBUTING CO., New York, N. Y. Filed Aug. 18, 1923.

HILLAND DALE

Particular description of goods.—Knitted Sport Coats.
Claims use since May 1, 1923.

Ser. No. 184,670. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JULIUS KELLER, Jr., New York, N. Y. Filed Aug. 18, 1923.

DEEMSTER

Particular description of goods.—Automobiles.
Claims use since about Feb. 1, 1923.

Ser. No. 184,695. (CLASS 12. CONSTRUCTION MATERIALS.) SUPERIOR LIME & HYDRATE CO. INC., Pelham, Ala. Filed Aug. 18, 1923.



The trade-mark is lined for color, the panels with vertical lines indicating red and the panel with horizontal lines blue. No claim is made herein to the words "Best by Test," "White Lime," and "Superior" apart from the mark as shown.
Particular description of goods.—Lime.
Claims use since Aug. 10, 1923.

Ser. No. 185,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MUSTOBASE COMPANY, Butte and Walkerville, Mont. Filed Sept. 4, 1923.

MUSTOEASE

Particular description of goods.—Ointment for Rheumatism, Lumbago, Backache, Neuritis, Sciatica, Neuralgia, Sore Joints and Muscles, Sprains, Stiff Neck, Headache, Toothache, Chest Colds, Congestion, Bronchitis, Whooping Cough, Bruises, Frosted Feet, Chilblains, and Local Pains and Aches.
Claims use since May 15, 1923.

Ser. No. 185,335. (CLASS 39. CLOTHING.) JULIUS GOLDSTEIN & SONS, Boston, Mass. Filed Sept. 5, 1923.

MATCHLAND

Particular description of goods.—Leather Shoes and Felt Slippers.
Claims use since Sept. 1, 1922.

Ser. No. 185,361. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN H. BUSCHE, doing business as Mama Cookie Bakery, Cleveland, Ohio. Filed Sept. 6, 1923.

MAMA'S

Particular description of goods.—Cookies.
Claims use since Mar. 5, 1922.

Ser. No. 185,404. (CLASS 39. CLOTHING.) BEACON MERCHANDISE CO., INC., White Plains, N. Y. Filed Sept. 7, 1923.

SURE-RITE

Particular description of goods.—Hosiery, Underwear for Men and Women Made of Textile Fabric, and Union Suits, Drawers, Shirts, Vests and Bloomers, Bathing Suits, and Sweaters.
Claims use since January, 1922.

Ser. No. 185,672. (CLASS 39. CLOTHING.) POPPY KNITTING MILLS, Newark, N. J. Filed Sept. 11, 1923.

POPPY KNITTING MILLS

No registration rights are claimed for the words "Knitting Mills" apart from the mark shown on the drawing, but applicants waive none of their common-law rights in said mark or any element thereof.
Particular description of goods.—Sweaters and Bathing Suits.
Claims use since May 1, 1923.

Ser. No. 185,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. S. PIERCE CO., Boston, Mass. Filed Sept. 12, 1923.

CREOLE

Particular description of goods.—Chili Sauce, Tomato Catchup, Oyster-Cocktail Sauce, Tomato Purée, Salad Dressing, and Pepper Sauce.
Claims use since September, 1905.

Ser. No. 185,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Sept. 12, 1923.

VITA-LAC

Particular description of goods.—Bread and Cake.
Claims use since Aug. 29, 1923.

Ser. No. 185,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRIEDRICH-FRIEDRICH CO., INC., Philadelphia, Pa. Filed Sept. 13, 1923.



The picture is fanciful.
Particular description of goods.—Hair Pomade.
Claims use since on or about Jan. 1, 1923.

Ser. No. 185,825. (CLASS 43. THREAD AND YARN.) PHILIP B. HART, Montreal, Quebec, Canada. Filed Sept. 15, 1923.



Applicant hereby disclaims the words "Mixture" and "For Better Hosiery," apart from the mark as shown in the drawing.
Particular description of goods.—A Combination Yarn for Knitting Hosiery Made from Two Ends of Egyptian Cotton Twisted with One End of Ceylonese Silk, which is a New Acetate-Cellulose Artificial Silk and is Used as a Substitute for Natural Silk.
Claims use since July 1, 1923.

Ser. No. 185,829. (CLASS 39. CLOTHING.) KREHN BROTHERS, Chicago, Ill. Filed Sept. 15, 1923.



The color of the shoe tip in the drawing is blue. No claim is made to the words "Trade-Mark," "Best Box Toe," and "Best Leather" and the pictorial representation of the goods apart from the mark shown in the drawing.
Particular description of goods.—Leather Shoes.
Claims use since Oct. 17, 1922.

Ser. No. 185,845. (CLASS 39. CLOTHING.) THE SHEPARD COMPANY, Providence, R. I. Filed Sept. 15, 1923.

THUNDERBOLT

Particular description of goods.—Dry Goods—Namely, Sweaters, Shirts, Skirts, Shirt Waists, Hats; Men's, Women's and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material; Hosiery, Undergarments, Coats, Wraps, and the Like.
Claims use since July 1, 1923.

Ser. No. 185,851. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT P. SWEENY, Greenville, S. C. Filed Sept. 15, 1923.

PNEU-WAY
TRADE MARK

No claim is made to the exclusive use of the words "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Vacuum Cleaners and Parts Thereof.
Claims use since Oct. 19, 1922.

Ser. No. 185,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND R. BECKWITH, Montgomery, Ala. Filed Sept. 18, 1923. Under ten-year proviso.



Particular description of goods.—Antidyspeptic Pills.
Claims use since about 1815.

Ser. No. 185,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Filed Sept. 18, 1923.



The lining shown in the drawing indicates shading and not any particular color scheme.
Particular description of goods.—Wheat Flour.
Claims use since 1900.

Ser. No. 185,907. (CLASS 39. CLOTHING.) J. J. STERNBERG & Co., New York, N. Y. Filed Sept. 18, 1923.



Without waiving any common-law rights the exclusive use of the words "Hand Made" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Infants' and Children's Knitted Sweaters, Sacks, Bootees, Vestees, Capes, Caps, and Leggings Made of Hand Knitting and Crocheting Yarns.
Claims use since Aug. 23, 1923.

Ser. No. 185,910. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALLEN WRENCH & TOOL CO., Providence, R. I. Filed Sept 19, 1923.

BLUE TIP

Particular description of goods.—Bit Holders.
Claims use since Sept. 1, 1923.

Ser. No. 185,925. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Sept. 19 1923.



The words "Manufacturing, Chemists, Chicago," and the phrases "U. S. A." and "Trade Mark Registered" are hereby disclaimed apart from the mark as shown in drawing and specimens.
Particular description of goods.—Insecticides, Meat-Curing Preparations and Compounds, Food Colors, Baking Powder, Chemical Preparations for Washing and Cleaning Purposes, Chemical Preparations for Cleaning Market and Butchers' Utensils and Tools, Chemical Preparations for Cleaning and Softening Hair and Bristles on Hogs, Disinfectants, and Chemical Preparations for Curing, Preserving, and Coloring Meats and Meat Products.
Claims use since 1900.

Ser. No. 185,926. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Sept. 19, 1923.



The words "Chicago, Manufacturing Chemists," and the phrase "U. S. A." are hereby disclaimed apart from the mark as shown in drawing and specimens.
Particular description of goods.—Insecticides, Meat-Curing Preparations, and Compounds, Food Colors, Baking Powder, Chemical Preparations for Washing and Cleaning Purposes, Chemical Preparations for Cleaning Waste Pipes and Drains and Sinks, Chemical Prepara-

tions for Cleaning Toilet Bowls or Privies; Chemical Preparations for Cleaning Windows, Glass, and Skylights; Chemical Preparations for Cleaning Market and Butchers' Utensils and Tools, Chemical Preparations for Cleaning and Softening Hair and Bristles on Hogs, Chemical Preparations for Cleaning Enamel and Porcelain Ware, Chemical Preparations for Tanning Animal Skins, Disinfectants, and Chemical Preparations for Curing, Preserving, and Coloring Meats and Meat Products.

Claims use since 1912.

Ser. No. 186,047. (CLASS 32. FURNITURE AND UPHOLSTERY.) CONCORD COLONIAL CHAIR COMPANY, Ashland, Mass. Filed Sept. 22, 1923.

Wallace Nutting

The mark is the facsimile signature of Wallace Nutting.

Particular description of goods.—Household and Office Chairs.

Claims use since July 1, 1923.

Ser. No. 186,068. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MUELLER METALS COMPANY, Port Huron, Mich. Filed Sept. 22, 1923.



No claim is made to the word "Forgings" apart from its association as shown in the drawings.

Particular description of goods.—Forgings, Particularly Forgings of Nonferrous Metals.

Claims use since about Aug. 16, 1923.

Ser. No. 186,104. (CLASS 39. CLOTHING.) CLINTON SHOE MANUFACTURING COMPANY, Clinton, Iowa. Filed Sept. 24, 1923.

The Walkure Shoe

No claim is made to the word "Shoe" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Leather Shoes.

Claims use since May 26, 1923.

Ser. No. 186,134. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE MFG. CO., Charleston, W. Va., and New York, N. Y. Filed Sept. 24, 1923. Under ten-year proviso.



Particular description of goods.—Adzes, Axes, Bush Hooks, Grass Hooks, Grub Hoes, Hammers, Hatchets, Machetes, Mattocks, Picks, and Scythes.

Claims use since February, 1890.

Ser. No. 186,164. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. S. PIERCE CO., Boston, Mass. Filed Sept. 24, 1923.

Lionceau

Flor de España

Particular description of goods.—Toilet Water and Toilet Extract.

Claims use since Sept. 4, 1923.

Ser. No. 186,225. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Sept. 26, 1923.

BOB-HER

Particular description of goods.—Women's, Girls', and Misses' Furnishings, Undergarments, and Clothing—Namely, Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Golf Suits, Riding Suits, Negligees, Skirts, Nightgowns, Petticoats, Collars, Cuffs, Gloves, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Sport Coats, Hats, Caps, and Coats Made out of Textile Material; and Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Negligees, Golf Suits, Riding Suits, Skirts, Nightgowns, Petticoats, Collars, Cuffs, Gloves, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made out of Knitted Material; and for Women's and Girls' Shoes, Boots, Slippers, Leggings, Putties, Made out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials.

Claims use since Sept. 1, 1923.

Ser. No. 186,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOLF MILLING COMPANY, Ellinwood, Kans. Filed Sept. 26, 1923.



Particular description of goods.—Graham Flour, Rye Flour, Wheat Flour, Corn Meal, Corn Flour, Corn Chop, and Wheat Feed.

Claims use since September, 1908.

Ser. No. 186,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOPEZ & CO., Philadelphia, Pa. Filed Sept. 27, 1923.



The pictorial representation of the girl shown in the drawing is fanciful. The lining of the drawing indicates shading only. Without waiving any common-law rights thereto no claim is made to the words "Prodotto Italiano," "Olio Puro d'Oliva," "Vergine," "Porto Maurizio Italia," and "One Full Quart Net" apart from the mark shown in the drawing.

Particular description of goods.—Olive Oil.

Claims use since about June 22, 1923.

Ser. No. 186,282. (CLASS 39. CLOTHING.) MARINETTE KNITTING MILLS, Marinette, Wis., Chicago, Ill., and New York, N. Y. Filed Sept. 27, 1923.



"Marinette" associated with the representation of a colonial lady, as shown in accompanying drawing.

Particular description of goods.—Men's, Boys', Ladies', Misses', Children's and Juveniles' Wearing Apparel—Namely, Skirts, Dresses, Capes, and Suits, Coats, Sweaters, and Sweater Coats.

Claims use since July 1, 1923.

Ser. No. 186,306. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TRAVIS, ROMAINE & JELLE, INC., New York, N. Y. Filed Sept. 27, 1923.

Pierrot Crepe

The word "Crepe" is disclaimed apart from the mark shown.

Particular description of goods.—Silk Crepes in the Piece.

Claims use since July 25, 1923.

Ser. No. 186,308. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WADE HILL MANUFACTURING CO., St. Louis, Mo. Filed Sept. 27, 1923.

NU-HEAT

No claim is made herein to the phrases "Price Down" and "Quality Up" nor to the representation of the goods apart from the mark as shown, but applicant reserves any common-law rights it may have in these phrases or representation.

Particular description of goods.—Oil Burners and Burner Apparatus.

Claims use since June 20, 1923.

Ser. No. 186,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL WESTERN FEEDING MOLASSES COMPANY, Warsaw, Ind. Filed Sept. 28, 1923.

PICO

Particular description of goods.—Stock Food Consisting of a Composition of Oil and Molasses.

Claims use since Jan. 1, 1921.

Ser. No. 186,329. (CLASS 39. CLOTHING.) EVERBEST ONE-PIECE SHOE CO., Boston and Wellesley, Mass. Filed Sept. 28, 1923.

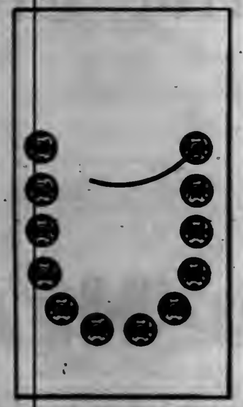


No claim is made for the representation of a shoe apart from the mark shown in the accompanying drawing.

Particular description of goods.—Shoes Made of Leather and Combinations of Leather and Fabric, Leather and Rubber, and Leather, Fabric, and Rubber.

Claims use since Sept. 1, 1923.

Ser. No. 186,338. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WALDES & CO., INC., Long Island City, N. Y. Filed Sept. 28, 1923.



No claim is made to the illustration of the snap or the mount apart from the trade-mark shown. The mark consists of a short length of string attached to the card or mount on which the snap fasteners are displayed. The shading on the representation of the string on the drawing is not intended to indicate color.

Particular description of goods.—Snap Fasteners on Cards.

Claims use since Sept. 11, 1923.

Ser. No. 186,359. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ELECTRO MANUFACTURING CO., Thibodaux, La. Filed Sept. 29, 1923.

ELECTRO
MENDS-IT

The words "Mends It" are disclaimed apart from the mark shown.

Particular description of goods.—Compound for Soldering Enameled Ware, Aluminum Ware, Tin, Zinc, and Other Metal.

Claims use since Aug. 1, 1923.

Ser. No. 186,402. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LOUIS JACOB WERTHEIMER, doing business as Ralston's Manufacturing Co., Dallas, Tex. Filed Sept. 29, 1923.

Prof. Ralston's
KORRECT
POLISH

No claim made to the word "Polish" apart from the mark as shown.

Particular description of goods.—Polish for Painted, Enameled, and Varnished Surfaces.

Claims use since Sept. 1, 1923.

Ser. No. 186,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLACK & WHITE MILLING COMPANY, East St. Louis, Ill. Filed Oct. 1, 1923.



Particular description of goods.—Corn Meal, Grits, and Corn Flour.

Claims use since June 1, 1921.

Ser. No. 186,417. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE DENVER ROCK DRILL MFG. CO., Denver, Colo. Filed Oct. 1, 1923.

COMPARASCOPE

Particular description of goods.—Steel-Condition-Determining Apparatus.

Claims use since May 1, 1923.

Ser. No. 186,427. (CLASS 39. CLOTHING.) HICKS-HAYWARD CO., El Paso, Tex. Filed Oct. 1, 1923.

Booger Red

Particular description of goods.—Pants, Coats, Men's Hats, Leather Boots, and Shirts.

Claims use since June 2, 1923.

Ser. No. 186,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSSELL CLAIBORNE BOYER, doing business as Boyer & Co., Kansas City, Mo. Filed Oct. 2, 1923.

KURL-STA

No claim is made to the lining indicative of the color blue in the drawing.

Particular description of goods.—Hair-Curling Fluid.

Claims use since Sept. 10, 1923.

Ser. No. 186,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed Oct. 3, 1923.

Sunnyfield

Particular description of goods.—Wheat Flour.

Claims use since Sept. 26, 1923.

Ser. No. 186,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILANO BROS., Cleveland, Ohio. Filed Oct. 3, 1923.



No claim is made to the exclusive use of the words, "Pure Olive Oil," "Extra Vergine," "Trade Mark Reg.," "Brand," and "Italian Product" apart from the mark shown in the drawing.

Particular description of goods.—Olive Oil.

Claims use since Sept. 1, 1921.

Ser. No. 186,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW ERA MILLING COMPANY, Arkansas City, Kans. Filed Oct. 3, 1923.



POLAR BEAR

Particular description of goods.—Wheat Flour, Graham Flour, Wheat Bran, Wheat Shorts, and Corn Meal.

Claims use since Nov. 1, 1899.

Ser. No. 186,573. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TIRE AND RIM ASSOCIATION OF AMERICA, INC., Cleveland, Ohio. Filed Oct. 4, 1923.



Particular description of goods.—Rims for Vehicle Wheels.

Claims use since Apr. 24, 1908.

Ser. No. 186,728. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Filed Oct. 8, 1923.

VANITONE

Particular description of goods.—Handkerchiefs and Hair Nets.

Claims use since Aug. 9, 1923.

Ser. No. 186,786. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE GREENVILLE MFG. COMPANY, Greenville, Ohio. Filed Oct. 10, 1923.

Omort

Particular description of goods.—Motor-Driven Dump Trucks.

Claims use since Sept. 1, 1923.

Ser. No. 186,795. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES A. LEEKA, Peoria, Ill. Filed Oct. 10, 1923.

SMILIN' THRU

ONCE A WEEK FOR YOUR HEALTH

No claim is made for the clause appearing on the drawing "Once a Week for Your Health."

Particular description of goods.—Weekly Circulars.

Claims use since Oct. 1, 1923.

Ser. No. 186,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEO SIMON, doing business as Natchez Baking Co., Natchez, Miss. Filed Oct. 10, 1923.

"The Gift of Perfect Taste"

Particular description of goods.—Fruit Cake.

Claims use since Sept. 1, 1923.

Ser. No. 186,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE MILLING COMPANY, Huntingburg, Ind. Filed Oct. 10, 1923.

B-B

BETTER BAKE

No claim is made to the words "Better Bake" apart from the mark shown.

Particular description of goods.—Pure Hard-Wheat Flour.

Claims use since Oct. 9, 1922.

Ser. No. 186,829. (CLASS 38. PRINTS AND PUBLICATIONS.) COYNE TRADE & ENGINEERING SCHOOL, doing business as Cooke Auto School, Chicago, Ill. Filed Oct. 11, 1923.

JOB-WAY

Particular description of goods.—Correspondence Lessons.

Claims use since Sept. 5, 1922.

Ser. No. 186,859. (CLASS 39. CLOTHING.) SILBERG BROS., Baltimore, Md. Filed Oct. 11, 1923.

REALART $3 CLOTHES

No claim is made for the word "Clothes" apart from the mark shown in the drawing.

Particular description of goods.—Men's Outer Suits and Overcoats.

Claims use since Sept. 11, 1923.

Ser. No. 186,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENT COFFEE COMPANY, Milwaukee, Wis. Filed Oct. 12, 1923.

AZO

Particular description of goods.—Coffee.

Claims use since Feb. 1, 1923.

Ser. No. 186,930. (CLASS 39. CLOTHING.) ROSENBERG & KRONENBERG, doing business as Rakt Manufacturing Co., New York, N. Y. Filed Oct. 12, 1923.

"RAKT"

Particular description of goods.—Ladies' Wearing Apparel—Namely, Nightgowns, Dresses, and Aprons.

Claims use since Sept. 19, 1923.

Ser. No. 186,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY TURNER BRICE, Quitman, Ga. Filed Oct. 13, 1923.



DR. G. B. WILLIAMS'

LIVER and KIDNEY PILLS

The portrait is that of Dr. G. B. Williams, deceased. No claim is made to the words "Liver and Kidney Pills" disassociated from the trade-mark shown.

Particular description of goods.—Liver and Kidney Pills for Biliousness, Constipation, Headache, Backache, and Troubles Arising from Inactive Liver and Kidneys.

Claims use since about 1900.

Ser. No. 186,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY TURNER BRICE, Quitman, Ga. Filed Oct. 13, 1923.

DR. WILLIAMS'



No. 101 TONIC

No claim is made to the word "Tonic" disassociated from the trade-mark shown. The portrait is that of Dr. G. B. Williams, deceased.

Particular description of goods.—Tonic for Malaria, Chills, Chills and Fever, Colds, La Grippe, and Influenza.

Claims use since about 1900.

Ser. No. 186,987. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Oct. 15, 1923.

BROADWAY'S LATEST!

LONG FELLOW TIES

No claim is made to the words "Broadway's Latest" and "Ties" apart from the mark shown in drawing.

Particular description of goods.—Ties, Cravats, Four-in-Hand-Ties, and Bow Ties.

Claims use since July, 1918.

Ser. No. 187,052. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HEXAGON TIRE CO., INC., New York, N. Y. Filed Oct. 16, 1923.

HEXAGON

Particular description of goods.—Automobile and Truck Rubber and Rubber and Fabric Tires and Rubber Inner Tubes Therefor

Claims use since June 4, 1923.

Ser. No. 187,126. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUISENBERRY FEED MF'G. CO., Kansas City, Mo. Filed Oct. 17, 1923.



Without waiving any rights of common law applicant disclaims any attempt to cover in this registration the words "More Egg" except in the precise relation and association in which they appear in the specimens and drawing.

Particular description of goods.—Feeds and Feedstuffs.

Claims use since October, 1921.

Ser. No. 187,146. (CLASS 39. CLOTHING.) H. ADLER & BRO., New York, N. Y. Filed Oct. 18, 1923.



The words, as such, "Brand," "Hosiery," and "Daily Foot Service" are not claimed apart from the mark as shown in the drawing.

Particular description of goods.—Hosiery.

Claims use since Oct. 15, 1923.

Ser. No. 187,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY FARM BUREAU FRUIT ASSOCIATION, Lindsay, Calif. Filed Oct. 18, 1923.

GOLDEN CHICKEN

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits, and Fresh Grapes.

Claims use since Aug. 7, 1923.

Ser. No. 187,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENARD MAYONNAISE COMPANY, Nashville, Tenn. Filed Oct. 19, 1923.

MALETO

Particular description of goods.—Salad Dressing.
Claims use since July 24, 1922.

Ser. No. 187,301. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVENPORT MFG. CO., INC., Davenport, Iowa. Filed Oct. 22, 1923.

Oil Davenport Engine

The words "Oil Engine" appearing in the drawing are disclaimed apart from the mark as shown.
Particular description of goods.—Oil Engines.
Claims use since Dec. 6, 1920.

Ser. No. 187,320. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LELONG-KENDICK COMPANY, Newark, N. J. Filed Oct. 22, 1923.

KENDICK

Particular description of goods.—Metal Alloys—Namely, Platinum Alloys, Nonplatinum Alloys, Gold Alloys, Platinum Solders, and White-Gold Solder.
Claims use since Apr. 1, 1922.

Ser. No. 187,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS MAHER, doing business as Maher & Company, St. Louis, Mo. Filed Oct. 22, 1923.

SILK

Particular description of goods.—Evaporated Milk.
Claims use since Aug. 18, 1923.

Ser. No. 187,331. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAILOMETER COMPANY, Detroit, Mich. Filed Oct. 22, 1923.

MAIL-O-METER

Particular description of goods.—Combined Sealing and Stamping Machines and Sealing Machines.
Claims use since December, 1915.

Ser. No. 187,342. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed Oct. 22. 1923.

KYBER CLOTH

Applicant disclaims any exclusive right to the word "Cloth" apart from mark shown on the drawing.
Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Sept. 15, 1923.

Ser. No. 187,349. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROBERT ROSSMAN COMPANY, New York, N. Y. Filed Oct. 22, 1923.

ROSSMAN RECESSORIES

Particular description of goods.—China Bathroom Fixtures—Namely, Shelves, Soap Holders, Toothbrush Holders, Towel Bars, Safety Grips, Sponge Holders, Medicine Cabinets, Paper Holders, and Tumbler Holders.
Claims use since May 15, 1923.

Ser. No. 187,358. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TRAIL-IT COMPANY, Minneapolis, Minn. Filed Oct. 22, 1923.

TRAIL-IT

Particular description of goods.—Hitches for Automotive Vehicles.
Claims use since July 16, 1923.

Ser. No. 187,359. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON CO-OPERATIVE EGG & POULTRY ASSOCIATION, Seattle, Wash. Filed Oct. 22, 1923.

WASHINGTON EGG & CO-OPERATIVE POULTRY ASSOCIATION

Particular description of goods.—Eggs.
Claims use since June 1, 1920.

Ser. No. 187,361. (CLASS 39. CLOTHING.) THE WASHINGTON SHIRT CO., Chicago, Ill. Filed Oct. 22, 1923.

WASHINGTON SHIRT CO.

Particular description of goods.—Collars, Union Suits of Knitted and Textile Fabric for Men, Cravats, Hosiery, Belts for Personal Wear, Suspenders, Garters, Arm Bands, Sleeping Garments, Bath Robes, Smoking Jackets, Hats, and Caps for Men.
Claims use since July 5, 1894.

Ser. No. 187,364. (CLASS 39. CLOTHING.) WINSHIP, BOIT & COMPANY, Wakefield, Mass. Filed Oct. 22, 1923.

Mérode

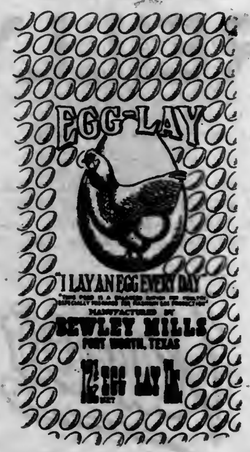
Particular description of goods.—Two-Piece Underwear, Union Suits, Hose, and Half Hose of All Textures, One and Two-Piece Bathing Suits, Sweaters, Gloves of Fabric and Combination of Fabric and Leather and Fabric and Rubber, Hose Supporters, Shawls, Scarfs, Athletic Suits, Pyjamas, Nightgowns, Kimonos, Bath Robes, Jackets, Mufflers, Reefers, Belts, Coats, Hats, Caps, Slippers and Shoes for Men, Women, and Children of Leather, Rubber, Fabric, or Combinations Thereof; Bloomers, Petticoats, Tights, Pantalets, Chemise, Camisoles, Brassières, Corsets, Corset Covers, Bandeaux, Negligee, Sleeping Jackets, Dressing Gowns, Sacks, Breakfast Robes, Blouses, Neckties, Capes, Wraps, Vests, Sport Suits and Skirts, Leggings for Women and Children, and Mittens, Tams, Hoods, Bootees, Shirts, Bands, for Infants.
Claims use since Nov. 1, 1922.

Ser. No. 187,447. (CLASS 39. CLOTHING.) ALLIGATOR CLOTHING COMPANY, St. Louis, Mo. Filed Oct. 25, 1923.

Brentworth

The letters of which the trade-mark is composed are formed of marginal lines within which is arranged a plurality of horizontal lines.
Particular description of goods.—Topcoats, Raincoats, Overcoats, and Suits for Men and Boys, Made of Cotton, Woolen, and Silk Materials.
Claims use since Oct. 17, 1923.

Ser. No. 187,452. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEWLEY MILLS, Fort Worth, Tex. Filed Oct. 25, 1923.



No claim is made to "I lay an egg every day," "This feed is a balanced ration for poultry, especially prepared for maximum egg production," "Manufactured by," "Fort Worth, Texas," "12½ lbs. Net Egg Lay."
Particular description of goods.—Poultry Feed.
Claims use since Mar. 1, 1917.

Ser. No. 187,454. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Oct. 25, 1923.

BROADSPUN

The mark consists of the word "Broadspun."
Particular description of goods.—Cotton Piece Goods.
Claims use since about Sept. 13, 1923.

Ser. No. 187,497. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOHN A. TOPPING, Nyack, N. Y. Filed Oct. 25, 1923.

LOK-TOP

The mark consists of the word "Lok-Top."
Particular description of goods.—Shingle-Attaching Devices.
Claims use since March, 1923.

Ser. No. 187,514. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DORMEUIL FRERES, Paris, France. Filed Oct. 26, 1923.

TRITWIST

Particular description of goods.—Worsted Piece Goods.
Claims use since April, 1923.

Ser. No. 187,519. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GRISCOM-RUSSELL COMPANY, New York, N. Y. Filed Oct. 26, 1923. Under ten-year proviso.

REILLY

Particular description of goods.—Heat Exchangers, Distillers, and Evaporators.
Claims use since about 1891.

Ser. No. 187,555. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VAN CAMP HARDWARE & IRON COMPANY, doing business as A. B. Caldwell Mfg. Co., Indianapolis, Ind. Filed Oct. 26, 1923.

Vanco

Particular description of goods.—Hinges, Sash Lifts, Door Hangers, Turnplates, Screws, Nails; Steam, Water and Gas Valves; Bath and Laundry Tubs, Urinals, Washstands, Chafing Dishes, Kettles, Tea and Coffee Pots, Pans, Dippers; Coffee, Tea, and Milk Urns; Sieves, Strainers, and Funnels.
Claims use since Jan. 1, 1914.

Ser. No. 187,592. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SIEMENS & HALSKE, A. G., Siemensstadt, near Berlin, Germany. Filed Oct. 27, 1923.

ARDOMETER

Particular description of goods.—Radiation Pyrometers.
Claims use since September, 1921.

Ser. No. 187,597. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARREN PRODUCTS COMPANY, INC., New York, N. Y. Filed Oct. 27, 1923.

HELIOS

Particular description of goods.—Lamps for Motion-Picture Projection.
Claims use since Oct. 5, 1923.

Ser. No. 187,634. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREW H. MILLER, doing business as B-Metal Refining Company, Detroit, Mich. Filed Oct. 29, 1923.

B-METAL

No claim is made to exclusive use of the word "Metal" apart from the mark shown in the drawing.
Particular description of goods.—Radio Equipment Comprising Receiving Sets and Parts Thereof, Crystals, and Detectors.
Claims use since about Jan. 15, 1923.

Ser. No. 187,639. (CLASS 12. CONSTRUCTION MATERIALS.) RADFORD & WRIGHT COMPANY; Oshkosh, Wis. Filed Oct. 29, 1923.

RADFORD PILGRIM DOOR

No claim is made to the word "Door."
Particular description of goods.—Wooden Doors.
Claims use since Oct. 1, 1923.

Ser. No. 187,651. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed Oct. 29, 1923.

WARRENFOLD

Particular description of goods.—Printing Paper.
Claims use since Oct. 1, 1923.

Ser. No. 187,747. (CLASS 39. CLOTHING.) KOPS BROS. INC., New York, N. Y. Filed Oct. 31, 1923.

Variolastic

Particular description of goods.—Corsets, Brassières, Bust Supporters, Suspenders, Garters, and Underwear of Textile Fabric for Women.
Claims use since Aug. 1, 1923.

Ser. No. 187,748. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LELONG-KENDICK COMPANY, Newark, N. J. Filed Oct. 31, 1923.

K D

Particular description of goods.—Metal Alloys, Particularly Platinum Alloy.
Claims use since Apr. 1, 1922.

Ser. No. 187,750. (CLASS 2. RECEPTACLES.) SAMUEL LEWIS, New York, N. Y. Filed Oct. 31, 1923.

Curro-Art

The word "Art" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Waste Baskets.
Claims use since June, 1915.

Ser. No. 187,753. (CLASS 39. CLOTHING.) ETHEL L. MARSHALL, Winston-Salem, N. C. Filed Oct. 31, 1923.

DRYAD

Particular description of goods.—Knit Underwear for Ladies and Children, Skirts, Sweaters, and Hosiery.
Claims use since Oct. 10, 1923.

Ser. No. 187,757. (CLASS 39. CLOTHING.) SAMUEL NEUMANN, New York, N. Y. Filed Oct. 31, 1923.

FUR THE LOOKS

Particular description of goods.—Coats and Jackets for Ladies, Girls, and Infants.
Claims use since May 1, 1923.

Ser. No. 187,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Nov. 1, 1923.

Beatrice SEALED

Particular description of goods.—Eggs.
Claims use since June 28, 1923.

Ser. No. 187,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Nov. 1, 1923.

Imperial

Particular description of goods.—Eggs.
Claims use since July 2, 1923.

Ser. No. 187,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW N. ANDERSON, doing business as Gladwin Creamery and Produce Co., Gladwin, Mich. Filed Nov. 2, 1923.

GLADWIN BRAND

Particular description of goods.—Butter.
Claims use since on or about Aug. 1, 1921.

Ser. No. 187,859. (CLASS 39. CLOTHING.) JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923.



Particular description of goods.—Lingerie.
Claims use since October, 1914.

Ser. No. 187,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DOOLITTLE NEW ENGLAND DOUGHNUT CO., Torrington, Conn. Filed Nov. 2, 1923.



No claim is made to the representation of the doughnuts and crullers and the words "Doughnuts & Crullers Crispy-Fresh Every Day for Sale Here" apart from the mark as shown in the drawing.
Particular description of goods.—Homemade Doughnuts and Crullers.
Claims use since Oct. 15, 1923.

Ser. No. 187,862. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 2, 1923.

KODASCOPE

Particular description of goods.—Motion-Picture Projectors and Projecting Outfits Containing a Projector, Film Reels, Lamps, Lubricating Oil, Oil Can, Film-Splicing Tools and Film Cement Projection Screens, Motion-Picture-Film Reels, Clips for Holding Motion-Picture Film on Reels.
Claims use since about July 1, 1923.

Ser. No. 187,870. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KODASCOPE LIBRARIES, INC., Rochester, N. Y. Filed Nov. 2, 1923.

KODASCOPE

Particular description of goods.—Motion-Picture Film Carrying Completed Images for Projection.
Claims use since on or about Sept. 10, 1923.

Ser. No. 187,932. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Griselda

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,934. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Lenora

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,952. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANK MORRIS, Southington, Conn. Filed Nov. 3, 1923.

BULL DOG

Particular description of goods.—Tire Irons.
Claims use since Oct. 15, 1923.

Ser. No. 187,954. (CLASS 39. CLOTHING.) ARTHUR F. PARSIL, New York, N. Y. Filed Nov. 3, 1923.

GOLD TIPS

Particular description of goods.—Stockings.
Claims use since Oct. 29, 1923.

Ser. No. 188,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Nov. 5, 1923.

MAH JONGG

Particular description of goods.—Biscuits.
Claims use since Sept. 15, 1923.

Ser. No. 188,042. (CLASS 32. FURNITURE AND UPHOLSTERY.) WALTER LEWIS CAMPBELL, Philadelphia, Pa. Filed Nov. 6, 1923.

MOOROOM MOOROOM

Particular description of goods.—Dining Table Cabinets.
Claims use since about Oct. 24, 1923.

Ser. No. 188,083. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 6, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since June 14, 1916.

Ser. No. 188,084. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 6, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since June 23, 1916.

Ser. No. 188,088. (CLASS 39. CLOTHING.) BLAUNER'S, Philadelphia, Pa. Filed Nov. 7, 1923.

Marvette

Particular description of goods.—Silk Hosiery.
Claims use since on or about Oct. 15, 1923.

Ser. No. 188,101. (CLASS 39. CLOTHING.) SOUTHERN HOSIERY COMPANY, INC., Fort Worth, Tex. Filed Nov. 7, 1923.

COUNTRY CLUB

Particular description of goods.—Hosiery.
Claims use since Oct. 26, 1923.

Ser. No. 188,146. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN THERMO-WARE COMPANY, New York, N. Y. Filed Nov. 9, 1923.

ATCO

Particular description of goods.—Thermometers, Binoculars, Field Glasses, Magnifying Glasses, Reading Glasses, Magnifiers, Opera Glasses, Barometers, Urinometers, and Linen Testers.
Claims use since 1915.

Ser. No. 188,151. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Nov. 9, 1923.



The words "Guaranteed" and "100% Pure Wool" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Woolen Goods in the Piece.
Claims use since Oct. 15, 1923.

Ser. No. 188,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

GOLDEN VALE

Particular description of goods.—Oleomargarine.
Claims use since February, 1920.

Ser. No. 188,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

Loretta

Particular description of goods.—Oleomargarine.
Claims use since Nov. 15, 1917.

Ser. No. 188,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

Bossy

Particular description of goods.—Oleomargarine.
Claims use since Aug. 13, 1919.

Ser. No. 188,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

Golden-Vail

Particular description of goods.—Oleomargarine.
Claims use since July 30, 1917.

Ser. No. 188,173. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

DE LUXE

Particular description of goods.—Oleomargarine.
Claims use since Oct. 15, 1922.

Ser. No. 188,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ED. S. VAIL BUTTERINE CO., Chicago, Ill. Filed Nov. 9, 1923.

FERNWOOD

Particular description of goods.—Oleomargarine.
Claims use since May 17, 1918.

Ser. No. 188,184. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Nov. 10, 1923.

ROYAL

Particular description of goods.—Lead Pencils.
Claims use since 1899.

Ser. No. 188,192. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed Nov. 10, 1923.

27

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since 1911.

Ser. No. 188,193. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed Nov. 10, 1923.

35

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since 1909.

Ser. No. 188,194. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed Nov. 10, 1923.

45

Particular description of goods.—Flexible or Hinged Belt Fasteners.
Claims use since 1909.

Ser. No. 188,212. (CLASS 26. MUSICAL INSTRUMENTS AND SUPPLIES.) WILLIAM LEWIS & SON, Chicago, Ill. Filed Nov. 10, 1923.

Joachim

Particular description of goods.—Strings for Violins and Similar Musical Instruments.
Claims use since 1894.

Ser. No. 188,235. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRA-HOT APPLIANCES, INC., Minneapolis, Minn. Filed Nov. 12, 1923.

Electrahot

Particular description of goods.—Electric Curling and Electric Soldering Irons, Electric Percolators, Electric Ranges, and Portable Reflecting Heaters.
Claims use since about Jan. 21, 1923.

Ser. No. 188,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL BUTTER CORPORATION, New York, N. Y. Filed Nov. 12, 1923.

Good Morning BUTTER

No claim is made to the word "Butter" apart from the mark shown in the drawing.
Particular description of goods.—Butter.
Claims use since May 5, 1923.

Ser. No. 188,251. (CLASS 5. ADHESIVES.) EARL F. OLSON, doing business as All-In-One Adhesive Company, St. Louis, Mo. Filed Nov. 12, 1923.



Particular description of goods.—Adhesive for the Repair and Attachment of Articles of Rubber, Leather, and Cloth.
Claims use since about Oct. 29, 1923.

Ser. No. 188,254. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROBINSON SILK COMPANY, INC., Astoria and New York, N. Y. Filed Nov. 12, 1923.

Knobi-Kord

Particular description of goods.—Silk Piece Goods.
Claims use since September, 1923.

Ser. No. 188,267. (CLASS 39. CLOTHING.) HELENA WHOLESALE DRY GOODS COMPANY, Helena, Ark. Filed Nov. 13, 1923.

HELCO

Particular description of goods.—Men's, Youths', and Boys' Overalls; Men's Work Pants and Dress Pants, Men's and Boys' Work Shirts, Men's and Boys' Dress Shirts, and Men's and Boys' Flannel Shirts; Men's, Women's, and Children's Cotton Knit Underwear; Men's and Boys' Athletic Underwear; and Men's, Women's, and Children's Cotton, Silk, and Wool Hosiery.
Claims use since Oct. 4, 1922.

Ser. No. 188,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Nov. 13, 1923.

NOVENA

Particular description of goods.—Wheat Flour.
Claims use since Sept. 2, 1911.

Ser. No. 188,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL SULZER & COMPANY, Chicago, Ill. Filed Nov. 13, 1923.

JACK SPRAT

Particular description of goods.—Bread.
Claims use since Oct. 29, 1923.

Ser. No. 188,297. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. B. COHEN & BRO., Scranton, Pa. Filed Nov. 14, 1923.

TWINS

Particular description of goods.—Hair Nets.
Claims use since Aug. 28, 1923.

Ser. No. 188,305. (CLASS 39. CLOTHING.) GUITERMAN BROS. INC., St. Paul, Minn. Filed Nov. 14, 1923.

SUMKNIT

Particular description of goods.—Bathing Suits, Sweater Coats, Jersey Coats, and Knit Sport Coats for Men, Women, and Children.
Claims use since on or about Dec. 15, 1915.

Ser. No. 188,315. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. L. KRAFT & BROS. CO., Chicago, Ill. Filed Nov. 14, 1923.

ROKA

Particular description of goods.—Cheese.
Claims use since Nov. 6, 1923.

Ser. No. 188,342. (CLASS 39. CLOTHING.) E. M. TOWNSEND & CO., New York, N. Y. Filed Nov. 14, 1923.

KOTTON

KING

Particular description of goods.—Hosiery and Underwear of Knitted and Textile Fabrics for Men, Women, and Children.
Claims use since Oct. 24, 1923.

Ser. No. 188,343. (CLASS 39. CLOTHING.) E. M. TOWNSEND & CO., New York, N. Y. Filed Nov. 14, 1923.

PERSONALITY

Particular description of goods.—Hosiery and Underwear of Knitted and Textile Fabrics for Men, Women, and Children.
Claims use since Oct. 24, 1923.

Ser. No. 188,344. (CLASS 39. CLOTHING.) E. M. TOWNSEND & CO., New York, N. Y. Filed Nov. 14, 1923.

MULE-HIDE

Not a kick
in a million pairs

Particular description of goods.—Hosiery and Underwear of Knitted and Textile Fabrics for Men, Women, and Children.
Claims use since Oct. 24, 1923.

Ser. No. 188,347. (CLASS 39. CLOTHING.) JOSEPH RALPH WARDLAW, doing business as Everneat Hosiery Mills, Chattanooga, Tenn. Filed Nov. 14, 1923.

EVERNEAT

Particular description of goods.—Silk, Cotton, and Wool Hosiery.
Claims use since Sept. 24, 1923.

Ser. No. 188,353. (CLASS 39. CLOTHING.) R. H. WHITEHEAD, Burlington, N. C. Filed Nov. 14, 1923.

SEVEN POINT

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1915.

Ser. No. 188,374. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MURIEL MILLER, doing business as The Merle Napkin Co., Denver, Colo. Filed Nov. 15, 1923.



The shade lining on the drawing conventionally indicates the color blue.
Particular description of goods.—Catamenial Pads, Mere Commonly Known to the Commercial Trade as Sanitary Napkins.
Claims use since Oct. 24, 1923.

Ser. No. 188,380. (CLASS 33. GLASSWARE.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Lamp Chimneys and Reservoirs.
Claims use since Sept. 19, 1923.

Ser. No. 188,412. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FARMASTIC COMPANY, Fort Washington and Philadelphia, Pa. Filed Nov. 16, 1923.

FARMASTIC

Particular description of goods.—Ready-Mixed Paints and Paint Enamels.
Claims use since August, 1923.

Ser. No. 188,471. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., also doing business as The Hungarian Flour Mills, Denver, Colo. Filed Nov. 17, 1923.

MOUNTAIN ROSE

Particular description of goods.—Wheat Flour.
Claims use since 1888.

Ser. No. 188,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOS. LOUDENSLAGER FLOUR MILLS, Tiffin, Ohio. Filed Nov. 17, 1923.

"ATTA BOY"

Particular description of goods.—Wheat Flour.
Claims use since Oct. 1, 1922.

Ser. No. 188,512. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y. Filed Nov. 17, 1923.

LINGERSEY

Particular description of goods.—Bleached and Piece-Dyed Cotton and Silk and Cotton Textiles.
Claims use since Oct. 8, 1923.

Ser. No. 188,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. H. BEHRENS & CO. INC., New York, N. Y. Filed Nov. 19, 1923.

AMSHAN

Particular description of goods.—Silks and Dress Goods, Piece Goods with Cotton Warp and Douppioni Silk Filling Used for Dress Goods.
Claims use since Nov. 13, 1923.

Ser. No. 188,535. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CURRIE & STEGE, New York, N. Y. Filed Nov. 19, 1923.

MADRI-SILK

No claim is made to the exclusive use of the word "Silk" apart from the mark shown.
Particular description of goods.—Artificial Silk and Cotton Madras in the Piece.
Claims use since Sept. 20, 1923.

Ser. No. 188,552. (CLASS 39. CLOTHING.) JAMES B. HAINES & SONS COMPANY, Pittsburgh, Pa. Filed Nov. 19, 1923.

H

FORT PITT

Particular description of goods.—Hosiery; Knitted and Fabric Underwear for Men, Women, and Children; Canvas, Leather, and Fabric Gloves for Men, Women, and Children; Sweaters, Caps, Toques, Scarfs; Mittens for Men, Women, and Children; and Men's Dress Shirts and Work Shirts.
Claims use since 1907.

Ser. No. 188,553. (CLASS 39. CLOTHING.) JAMES B. HAINES & SONS COMPANY, Pittsburgh, Pa. Filed Nov. 19, 1923.

FORT PITT

Particular description of goods.—Hosiery; Knitted and Fabric Underwear for Men, Women, and Children; Canvas, Leather, and Fabric Gloves for Men, Women, and Children; Sweaters, Caps, Toques, Scarfs; Mittens for Men, Women, and Children; and Men's Dress Shirts and Work Shirts.
Claims use since 1907.

Ser. No. 188,576. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STRAUSS MANUFACTURING CO., San Francisco, Calif. Filed Nov. 19, 1923.

PYRA-WHITE

Particular description of goods.—Towel Bars, Glass Shelves, Toilet-Paper Holders, Toothbrush Holders, Soap Holders, and Tumbler Holders.
Claims use since Oct. 2, 1922.

Ser. No. 188,582. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England. Filed Nov. 20, 1923.

LUSAYDA

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 14, 1919.

Ser. No. 188,583. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYERS' ASSOCIATION LIMITED, Bradford, England. Filed Nov. 20, 1923.

SUPASAYDA

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 25, 1918.

Ser. No. 188,618. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELICIA WEISS, doing business as Mme. Felicia, Coney Island, Brooklyn, N. Y. Filed Nov. 20, 1923.

LA PREMET

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Oct. 28, 1923.

Ser. No. 188,624. (CLASS 39. CLOTHING.) HARRY BARNOWITZ, doing business as Honeymoon Hosiery Shoppe, Brooklyn, N. Y. Filed Nov. 21, 1923.

HONEYMOON

"Honeymoon."
Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Nov. 14, 1923.

Ser. No. 188,665. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COLONIAL WORKS, Brooklyn, N. Y. Filed Nov. 22, 1923.

AMAVEGAS

Particular description of goods.—Ready-Mixed Paint, Varnish Stain, Paint-Oil, and Enamel in the Nature of Paint.
Claims use since about July 1, 1923.

Ser. No. 188,680. (CLASS 39. CLOTHING.) HOCHBERG BROS., New York, N. Y. Filed Nov. 22, 1923.

The Shur-Fit

Particular description of goods.—Bloomers.
Claims use since Nov. 1, 1923.

Ser. No. 188,690. (CLASS 2. RECEPTACLES.) STEPHEN W. MILLIGAN, Harrison, N. J. Filed Nov. 22, 1923.

"POLI-WOG"

Particular description of goods.—Spouts for Receptacles.
Claims use since Nov. 5, 1923.

Ser. No. 188,691. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINOT, HOOPER & CO., New York, N. Y. Filed Nov. 22, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since 1898.

Ser. No. 188,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUELLER BAKING CO., Bowling Green, Mo. Filed Nov. 22, 1923.

Honey Cream

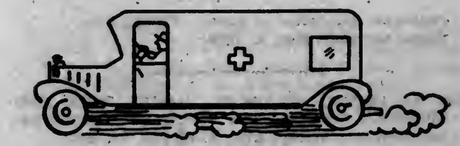
Particular description of goods.—Bread.
Claims use since Jan. 1, 1919.

Ser. No. 188,706. (CLASS 39. CLOTHING.) MAURICE H. ROSENBERG, doing business as M. H. Rosenberg & Co., New York, N. Y. Filed Nov. 22, 1923.

DAINTY MAID

The lining on the drawing represents shading only.
Particular description of goods.—Ladies' Silk and Muslin Undergarments.
Claims use since October, 1918.

Ser. No. 188,714. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARRY H. SHAPIRO, New York, N. Y. Filed Nov. 22, 1923.



Particular description of goods.—Medicated Tooth Filling.
Claims use since July 1, 1923.

Ser. No. 188,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEST VIRGINIA CAMERA CO., Kimball, W. Va. Filed Nov. 22, 1923.

WESVAC

Particular description of goods.—Photographic Chemicals.
Claims use since Nov. 1, 1923.

Ser. No. 188,728. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SIDNEY D. WELLS, Madison, Wis. Filed Nov. 19, 1923.

PYCNOGRAPH

Particular description of goods.—Hydrometers.
Claims use since Oct. 15, 1923.

Ser. No. 188,738. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHLE CARADONNA, doing business as 4 CCCC Co., New York, N. Y. Filed Nov. 23, 1923.

4
CCCC

Particular description of goods.—Dandruff Remedy.
Claims use since Nov. 1, 1922.

Ser. No. 188,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed Nov. 23, 1923.

AMARANTE

Particular description of goods.—Rouges.
Claims use since Mar. 1, 1923.

Ser. No. 188,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed Nov. 23, 1923.

CAPUCINE

Particular description of goods.—Rouges.
Claims use since Mar. 1, 1923.

Ser. No. 188,756. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES JURASINSKI, New York, N. Y. Filed Nov. 23, 1923.

CHA-TED

Particular description of goods.—Hair Tonic to Prevent Dandruff and Falling Hair and Also Relieve the Scalp from Itching and Other Skin Troubles.
Claims use since Mar. 15, 1923.

Ser. No. 188,769. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PAINT PRODUCTS CORPORATION, Philadelphia, Pa. Filed Nov. 23, 1923.

DRION

Particular description of goods.—Prepared Paints Ready for Use.
Claims use since March, 1921.

Ser. No. 188,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TADEUSZ SZEWCZYK, Passaic, N. J. Filed Nov. 23, 1923.

TADES

Particular description of goods.—Womb Drops in Liquid Form to Relieve Pains from Stomach Troubles, All Kinds of Liver Diseases, Periodical Colic, Hiccoughing, and Cramps.
Claims use since June 15, 1922.

Ser. No. 188,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TADEUSZ SZEWCZYK, Passaic, N. J. Filed Nov. 23, 1923.

SZYK

Particular description of goods.—Salve to Relieve All Kinds of Old Wounds, Blood Poisoning, Burns, Scalds, and Bites from Insects.
Claims use since June 15, 1922.

Ser. No. 188,799. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"Chancellor"

Particular description of goods.—Fishing Line.
Claims use since Aug. 20, 1916.

Ser. No. 188,800. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

CHARTER

Particular description of goods.—Fishing Line.
Claims use since Sept. 5, 1916.

Ser. No. 188,803. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

DOMINO

Particular description of goods.—Fishing Line.
Claims use since May 12, 1916.

Ser. No. 188,804. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

ECKO

Particular description of goods.—Frog Spears.
Claims use since June 2, 1916.

Ser. No. 188,817. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

NONSUCH

Particular description of goods.—Fishing Line.
Claims use since Mar. 2, 1916.

Ser. No. 188,819. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"ORIOLE"

Particular description of goods.—Fishing Line.
Claims use since Feb. 10, 1916.

Ser. No. 188,820. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

PLEXUS

Particular description of goods.—Fishing Line.
Claims use since Aug. 7, 1916.

Ser. No. 188,827. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"Silver Belle"

Particular description of goods.—Fishing Line.
Claims use since Feb. 12, 1916.

Ser. No. 188,829. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

SURPRISE

Particular description of goods.—Artificial Minnows.
Claims use since Feb. 10, 1910.

Ser. No. 188,831. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"TRIBUNE"

Particular description of goods.—Fishing Line.
Claims use since Jan. 20, 1916.

Ser. No. 188,832. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

"VIKING"

Particular description of goods.—Fishing Line.
Claims use since Sept. 3, 1916.

Ser. No. 188,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING D. HIRSCH, doing business as Park Laboratories, New York, N. Y. Filed Nov. 24, 1923.

Hairform

Particular description of goods.—Dressing for the Hair.
Claims use since June 7, 1923.

Ser. No. 188,852. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE MUNDY, doing business as The Naturalizing Mfg. Co., Atlanta, Ga. Filed Nov. 24, 1923.

Naturalizing

Particular description of goods.—Skin Bleach, Vanishing Face Cream, and Hair Grower.
Claims use since July 1, 1920.

Ser. No. 188,855. (CLASS 32. FURNITURE AND UPHOLSTERY.) NICHOLS ELECTRIC FURNITURE COMPANY, Bennington, Vt. Filed Nov. 24, 1923.

SERVICE MAID

Particular description of goods.—Electrically-Equipped Serving Table.
Claims use since Sept. 20, 1923.

Ser. No. 188,856. (CLASS 32. FURNITURE AND UPHOLSTERY.) NICHOLS ELECTRIC FURNITURE COMPANY, Bennington, Vt. Filed Nov. 24, 1923.

VANITY MAID

Particular description of goods.—Electrically-Equipped Serving Table.
Claims use since Sept. 20, 1923.

Ser. No. 188,864. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLEVE T. SHAFFER, doing business as Dek Co., San Francisco, Calif. Filed Nov. 24, 1923.

"TENIKOIT"

Particular description of goods.—A Net Game Similar to Tennis.
Claims use since October, 1923.

Ser. No. 188,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARBER MILLING COMPANY, Minneapolis, Minn. Filed Nov. 26, 1923.



Particular description of goods.—Wheat Flour.
Claims use since a date prior to Jan. 1, 1872.

Ser. No. 188,895. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. KELLEY CRISWELL, doing business as California Liquid Bleach Co., Los Angeles, Calif. Filed Nov. 26, 1923.

OZITE

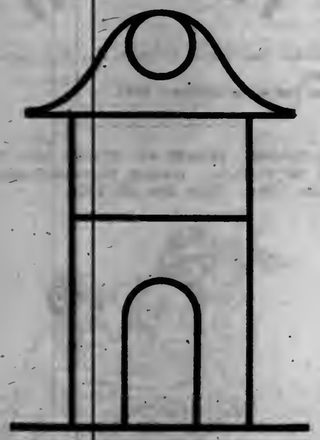
Particular description of goods.—Antiseptic Washing Fluid for Use as a Bleach.
Claims use since Aug. 15, 1923.

Ser. No. 188,898. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ENGLISH & MESSICK CO., New Haven, Conn. Filed Nov. 26, 1923.

E&M

Particular description of goods.—Vehicle Door Hinges.
Claims use since 1918.

Ser. No. 188,926. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) PLATTEELBAKKERIJ "ZUID-HOLLAND", Gouda, Netherlands. Filed Nov. 26, 1923.



Particular description of goods.—Pottery of All Kinds, Both Articles for Ornamental and Practical Use.
Claims use since December, 1897.

Ser. No. 188,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OKLAHOMA MILL CO., Kingfisher, Okla. Filed Nov. 27, 1923.

WHITE HEART

Particular description of goods.—Wheat Flour.
Claims use since Sept. 11, 1923.

Ser. No. 188,987. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CORNING GLASS WORKS, Corning, N. Y. Filed Nov. 28, 1923.

PYREX

Particular description of goods.—Beakers, Flasks, Test Tubes, Extraction Tubes and Apparatus, Ignition Tubes, Centrifuge Tubes, Evaporating Dishes, Distilling Apparatus, Condensers, Volumetric Ware, Funnels, Stop Cocks, Tubing, Tube Joints and Fixtures, Cascade Dishes, Desiccators, Drying Trays, Covers, Retorts, Sight Glasses and Gauges, Graduated Ware, Stoppers, Graduated Seals for Uniting Glass Parts of Different Composition, and Sheet Glass for Laboratory Work.
Claims use since Dec. 8, 1915.

Ser. No. 189,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., doing business as The Model Flour Mills, Denver and Greeley, Colo. Filed Nov. 30, 1923.

HIGH STEPPER

Particular description of goods.—Wheat Flour.
Claims use since Aug. 20, 1923.

Ser. No. 189,042. (CLASS 32. FURNITURE AND UPHOLSTERY.) DUTTON & COMPANY, Chicago, Ill. Filed Nov. 30, 1923.

VELVET

Particular description of goods.—Bed Springs.
Claims use since June 1, 1922.

Ser. No. 189,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCKENZIE MILLING CO., McKenzie, Tenn. Filed Nov. 30, 1923.

WHITE FROST

Particular description of goods.—Wheat Flour and Corn Meal.
Claims use since May, 1909.

Ser. No. 189,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 30, 1923.

CRESTA

Particular description of goods.—Butter.
Claims use since Jan. 1, 1914.

Ser. No. 189,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 30, 1923.

Forestville

Particular description of goods.—Butter.
Claims use since Jan. 1, 1914.

Ser. No. 189,115. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

FRANZ HALS

"Frans Hals" is the name of the Dutch artist deceased 1666.
Particular description of goods.—Artists' Brushes.
Claims use since July 1, 1920.

Ser. No. 189,119. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

The Mentor

Particular description of goods.—Artists' Brushes.
Claims use since August, 1920.

Ser. No. 189,120. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

MICHELANGELO

Particular description of goods.—Artists' Brushes.
Claims use since about Jan. 1, 1910.

Ser. No. 189,121. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923.

RAPHAEL

Raphael is the name of the Italian artist deceased since 1520.
Particular description of goods.—Artists' Brushes.
Claims use since Jan. 1, 1908.

Ser. No. 189,131. (CLASS 15. OILS AND GREASES.) THE MCWADE MERCHANDISE CORPORATION, INC., Rochester, N. Y. Filed Dec. 1, 1923.

THE McWADE OIL

No claim is made for the word "Oil" apart from the mark as shown.
Particular description of goods.—Lubricating Oils, Cup Greases, and Gasoline.
Claims use since Feb. 1, 1923.

Ser. No. 189,150. (CLASS 32. FURNITURE AND UPHOLSTERY.) BURTON-DIXIE CORPORATION, Chicago, Ill. Filed Dec. 3, 1923.

Down-O-Pok

Particular description of goods.—Mattresses, Pillows, Cushions, and Box Springs.
Claims use since Oct. 30, 1923.

Ser. No. 189,178. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOODWARD-WAGNER COMPANY, Philadelphia, Pa. Filed Dec. 3, 1923.

Sani-Seat

No claim made to the word "Seat" apart from the mark shown in the drawing, but reserving any common-law right said corporation may have therein.
Particular description of goods.—Bathroom Fixtures, Particularly the Seats, Covers, and Hinges for the Seats, and Covers of Toilets.
Claims use since about Jan. 1, 1917.

Ser. No. 189,213. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.



No claim is made to the representation of the reeled barbed wire and spool apart from the mark shown on drawing. The mark consists of a red line around the spooled barbed wire between the ends of the spool thereof.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,214. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.



The mark consists of a blue line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,215. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

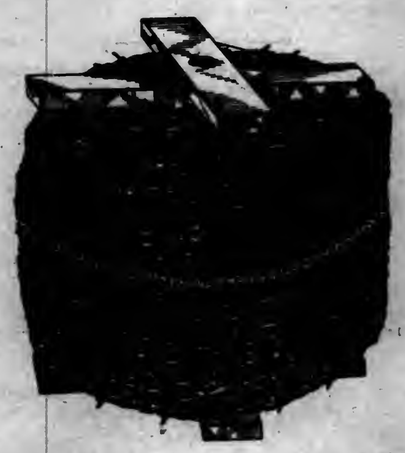


The mark consists of a white line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by the drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,216. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.



The mark consists of a yellow line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,217. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

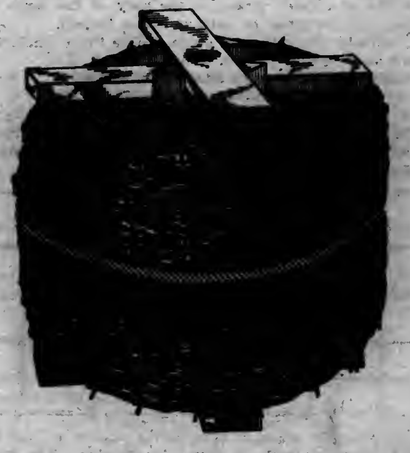


The mark consists of a black line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,218. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

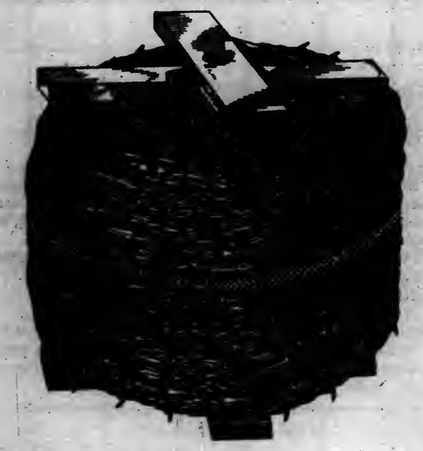


The mark consists of a green line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,219. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

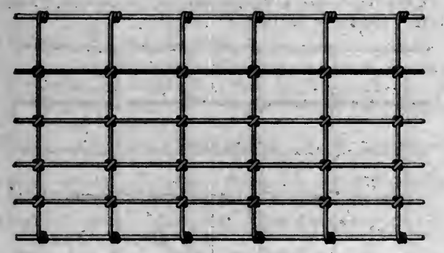


The mark consists of an orange line around the spooled barbed wire between the ends of the spool thereof. No claim is made to the representation of the reeled barbed wire and spool apart from the mark as shown by drawing.

Particular description of goods.—Reeled or Spooled Barbed Wire.

Claims use since about Sept. 8, 1923.

Ser. No. 189,220. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

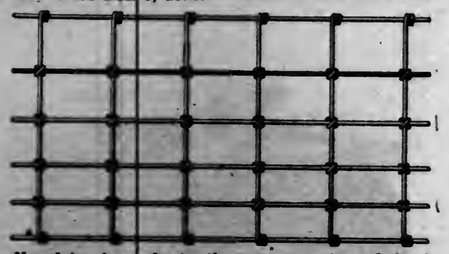


No claim made to the representation of fencing apart from the mark as shown by the drawing. The mark consists of a red strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,221. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

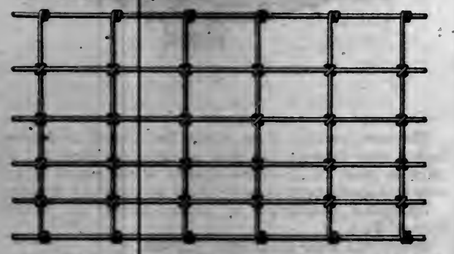


No claim is made to the representation of fencing apart from the mark as shown by the drawing. The mark consists of a blue strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,222. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

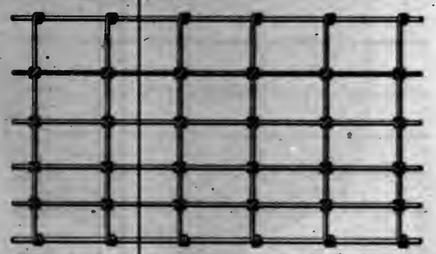


No claim is made to the representation of fencing apart from the mark as shown by the drawing. The mark consists of a white strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,223. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

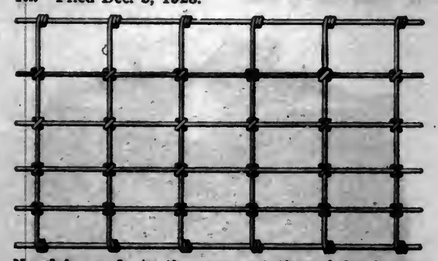


No claim is made to the representation of fencing apart from the mark as shown by the drawing. The mark consists of a yellow strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,224. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

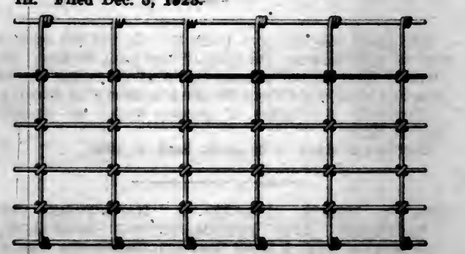


No claim made to the representation of fencing apart from the mark as shown by the drawing. The mark consists of a black strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fences, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,225. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.

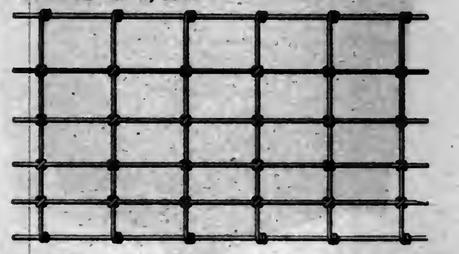


No claim is made to the representation of fencing apart from the mark as shown by drawing. The mark consists of a green strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

Ser. No. 189,226. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Dec. 5, 1923.



No claim is made to the representation of fencing apart from the mark as shown by drawing. The mark consists of an orange strand in the body of the fence between the marginal or selvage wires thereof.

Particular description of goods.—Wire Fence, Including Farm and Poultry Fences.

Claims use since on or about Sept. 8, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JANUARY 15, 1924.

178,467. OVERALLS, NEGLIGEE AND WORK SHIRTS, TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, PYJAMAS. THE KING OVERALL CO. INC., Suffolk, Va.
Filed July 18, 1923. Serial No. 183,388. PUBLISHED OCTOBER 30, 1923.

178,468. HOSIERY. NEW HAVEN KNITTING MILLS, New Haven, Conn.
Filed July 31, 1923. Serial No. 183,883. PUBLISHED OCTOBER 30, 1923.

178,469. SWEATERS AND SCARFS. KAUFMAN-ROHRLICH KNITTING MILLS, INC., New York, N. Y.
Filed July 30, 1923. Serial No. 183,836. PUBLISHED OCTOBER 30, 1923.

178,470. HOSIERY. JOHN BLOOD & COMPANY, INC., Philadelphia, Pa.
Filed July 30, 1923. Serial No. 183,817. PUBLISHED OCTOBER 30, 1923.

178,471. EMBOSSED NAPKINS. THE TISSUE COMPANY, Saugerties, N. Y.
Filed July 28, 1923. Serial No. 183,808. PUBLISHED OCTOBER 30, 1923.

178,472. CERTAIN NAMED CLOTHING FOR MEN AND YOUNG MEN. HEIDELBERG, WOLFF & CO., New York, N. Y.
Filed July 27, 1923. Serial No. 183,743. PUBLISHED OCTOBER 30, 1923.

178,473. ASPHALT, INCLUDING ASPHALT PRODUCTS DESIGNED FOR ROOFING, PAVING, FLOORING, COATING, INSULATING, AND ACID-PROOFING. THE HEPBURN COMPANY, Cleveland, Ohio.
Filed July 25, 1923. Serial No. 183,651. PUBLISHED OCTOBER 30, 1923.

178,474. PREPARED PORTLAND CEMENT STUCCO FINISH (WHITE AND TINTED). A. J. COOK & CO., INC., Memphis, Tenn.
Filed July 23, 1923. Serial No. 183,555. PUBLISHED OCTOBER 30, 1923.

178,475. BUILDING PAPER, SHEATHING, PLASTER BOARD, AND INDENTED PAPER. SCHMIDT & AULT PAPER CO., York, Pa.
Filed July 20, 1923. Serial No. 183,503. PUBLISHED OCTOBER 30, 1923.

178,476. CEMENT AND OTHER PETRESCENT MATERIALS, MAGNESITE FLOORING, AND ARTIFICIAL BLOCKS OF ALL KINDS FOR BOTH INTERIOR AND EXTERIOR WORK. HERBERT P. PAGE, doing business as H. P. Page Co., Boston, Mass.
Filed July 20, 1923. Serial No. 183,491. PUBLISHED OCTOBER 30, 1923.

178,477. SHEET-METAL PRODUCTS, CORNER IRONS, HIP AND RIDGE METAL SHINGLES, PLASTER BEAD, METAL TRIM, METAL TILES. DUNCO METAL PRODUCTS CO., Los Angeles, Calif.
Filed July 20, 1923. Serial No. 183,471. PUBLISHED OCTOBER 30, 1923.

178,478. BED SPRINGS. SIMMONS COMPANY, Kenosha, Wis.
Filed July 18, 1923. Serial No. 183,412. PUBLISHED OCTOBER 30, 1923.

178,479. OVERALLS, JUMPERS, NEGLIGEE AND WORK SHIRTS; TROUSERS OF ALL LENGTHS (REGULAR, KNEE, LACE, OR BUTTON BOTTOMS), VESTS, COATS, AND HUNTING COATS. RUMMEL, HIMES & CO., Shippensburg, Pa.
Filed July 18, 1923. Serial No. 183,410. PUBLISHED OCTOBER 30, 1923.

178,480. CERTAIN NAMED CLOTHING. BOB & BASKIND, New York, N. Y.
Filed July 18, 1923. Serial No. 183,356. PUBLISHED OCTOBER 30, 1923.

178,481. WAGONS. THE BAIN WAGON COMPANY, Kenosha, Wis.
Filed July 17, 1923. Serial No. 183,354. PUBLISHED OCTOBER 30, 1923.

178,482. KNIT UNDERWEAR AND ATHLETIC SUITS FOR MEN, WOMEN, AND CHILDREN. REPUBLIC KNITTING MILLS, Philadelphia, Pa.
Filed July 16, 1923. Serial No. 183,316. PUBLISHED OCTOBER 30, 1923.

178,483. INSULATED ELECTRIC WIRE. THE ACME WIRE COMPANY, New Haven, Conn.
Filed July 16, 1923. Serial No. 183,241. PUBLISHED OCTOBER 23, 1923.

178,484. AUTOMATIC TELEPHONE SYSTEMS. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed July 13, 1923. Serial No. 183,133. PUBLISHED OCTOBER 30, 1923.

178,485. INSECTICIDES AND CLEANING LIQUIDS. FLASH CHEMICAL COMPANY, Cambridge, Mass.
Filed July 10, 1923. Serial No. 183,027. PUBLISHED OCTOBER 30, 1923.

178,486. PREPARATION FOR INVIGORATING AND CLEANING THE SCALP. FALIKA LABORATORY, Bridgeport, Conn.
Filed July 10, 1923. Serial No. 183,026. PUBLISHED OCTOBER 30, 1923.

178,487. WOMEN'S, MISSES', AND CHILDREN'S CLOAKS, COATS, SUITS, DRESSES, AND SKIRTS. LINDER BROS., New York, N. Y.
Filed August 28, 1923. Serial No. 185,085. PUBLISHED OCTOBER 30, 1923.

178,488. CANNED VEGETABLES. J. B. MARGOLIES WHOLESALE GROCER CO., East St. Louis, Ill.
Filed August 27, 1923. Serial No. 185,030. PUBLISHED NOVEMBER 6, 1923.

178,489. CANNED VEGETABLES. J. B. MARGOLIES WHOLESALE GROCER CO., East St. Louis, Ill.
Filed August 27, 1923. Serial No. 185,029. PUBLISHED NOVEMBER 6, 1923.

178,490. INKED RIBBONS. THE COLUMBIA CARBON COMPANY, Dayton, Ohio.
Filed August 27, 1923. Serial No. 185,006. PUBLISHED OCTOBER 30, 1923.

178,491. AUTOMOBILE TOP DRESSING, LEATHER DRESSING, SOAPS, NEAT'S-FOOT OIL. THE GRIN CO., INC., Los Angeles, Calif.
Filed August 22, 1923. Serial No. 184,851. PUBLISHED OCTOBER 30, 1923.

178,492. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,751. PUBLISHED OCTOBER 30, 1923.

178,493. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,750. PUBLISHED OCTOBER 30, 1923.

178,494. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,749. PUBLISHED OCTOBER 30, 1923.

178,495. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,748. PUBLISHED OCTOBER 30, 1923.

178,496. BANJOS. THE BACON BANJO CO. INC., Groton, Conn.
Filed August 17, 1923. Serial No. 184,580. PUBLISHED OCTOBER 30, 1923.

178,497. EYELASH CRIMPERS. THE STICKEL COMPANY, INC., Rochester, N. Y.
Filed August 10, 1923. Serial No. 184,310. PUBLISHED OCTOBER 16, 1923.

178,498. DRESS, NEGLIGEE, OR WORK SHIRTS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed August 10, 1923. Serial No. 184,287. PUBLISHED OCTOBER 30, 1923.

178,499. LADIES' AND MISSES' MUSLIN AND SILK UNDERWEAR. JACOB SALSBERG INC., New York, N. Y.
Filed August 9, 1923. Serial No. 184,265. PUBLISHED OCTOBER 30, 1923.

178,500. LADIES' DRESSES AND SKIRTS. MAY & LOEB, INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,175. PUBLISHED OCTOBER 30, 1923.

178,501. SCARFS, CRAVATS, AND NECKTIES. LEVY & MARCUS, New York, N. Y.
Filed August 4, 1923. Serial No. 184,083. PUBLISHED OCTOBER 30, 1923.

178,502. KNITTED OUTER GARMENTS—NAMELY, BATHING SUITS, SWEATERS, AND SLIP-ONS. ATLAS KNITTING MILLS, INC., Union, N. J.
Filed August 4, 1923. Serial No. 184,060. PUBLISHED OCTOBER 30, 1923.

178,503. MOTOR-DRIVEN VEHICLES. AMERICAN LA FRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y.
Filed August 4, 1923. Serial No. 184,052. PUBLISHED OCTOBER 30, 1923.

178,504. MEN'S AND YOUNG MEN'S CLOTHES FOR OUTER WEAR—VIZ, SUITS IN ONE, TWO, THREE AND FOUR PIECE GARMENTS, AND OVERCOATS. CHAS. DOUGLIS-MACK CO. INC., New York, N. Y.
Filed August 4, 1922. Serial No. 167,803. PUBLISHED OCTOBER 30, 1923.

178,505. HOSIERY. YOUNG INVENTIONS INC., New York, N. Y.
Filed August 2, 1922. Serial No. 167,750. PUBLISHED OCTOBER 23, 1923.

178,506. CERTAIN NAMED PRECIOUS-METAL WARE. T. N. BENEDICT MFG. CO., East Syracuse, N. Y.
Filed August 1, 1922. Serial No. 167,670. PUBLISHED OCTOBER 23, 1923.

178,507. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF. BALDWIN RADIO ELECTRICAL MANUFACTURING CO., INC., Brooklyn, N. Y.
Filed July 1, 1922. Serial No. 166,344. PUBLISHED OCTOBER 30, 1923.

178,508. ELECTRICAL-LIGHTING-FIXTURE UNITS. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed June 30, 1922. Serial No. 166,277. PUBLISHED OCTOBER 23, 1923.

178,509. CERTAIN NAMED RADIO EQUIPMENT. CLAPP-EASTHAM COMPANY, Cambridge, Mass.
Filed June 26, 1922. Serial No. 166,040. PUBLISHED OCTOBER 17, 1923.

178,510. PHARMACEUTICAL AND BIOLOGICAL PRODUCTS. ISAAC F. HARRIS, doing business as Harris Laboratories, Tuckahoe, N. Y.
Filed June 8, 1922. Serial No. 165,193. PUBLISHED OCTOBER 30, 1923.

178,511. AUTOMOBILE HEADLIGHT MOUNTINGS. ROADFINDER COMPANY LIMITED, Hamilton, Ontario, Canada.
Filed May 25, 1922. Serial No. 164,514. PUBLISHED NOVEMBER 28, 1922.

178,512. FRESH AND CANNED TAMALES AND ENCHILADAS. FREDERICK W. GRIESNOW, doing business as El Rey Club Tamale & Enchilada Corporation, San Francisco, Calif.
Filed April 17, 1922. Serial No. 162,403. PUBLISHED OCTOBER 23, 1923.

178,513. TELEPHONE RECEIVING SETS AND RADIO RECEIVING SETS. THE MAGNAVOX COMPANY, Oakland, Calif.
Filed March 30, 1922. Serial No. 161,501. PUBLISHED JUNE 13, 1922.

178,514. MINCEMEAT. OEST FRUIT CO., San Francisco, Calif.
Filed March 29, 1922. Serial No. 161,448. PUBLISHED OCTOBER 30, 1923.

178,515. MINCEMEAT. OEST FRUIT CO., San Francisco, Calif.
Filed March 29, 1922. Serial No. 161,446. PUBLISHED OCTOBER 30, 1923.

178,516. STORAGE BATTERIES. GILL STORAGE BATTERY CO., INC., San Bernardino, Calif.
Filed December 7, 1921. Serial No. 156,380. PUBLISHED FEBRUARY 7, 1922.

178,517. SHIRTS, OVERALLS, PANTS, JACKETS, OVERCOATS, ROMPERS, LEATHER VESTS, FUR-LINED COATS, OVERALL SUITS, UNDERWEAR, HOSIERY, GLOVES, SWEATERS, NIGHTSHIRTS, SUSPENDERS, BATHING SUITS, MEN'S NECKWEAR, KNICKERS, AND BELTS. MARTIN BROTHERS COMPANY, Minneapolis, Minn.
Filed October 26, 1921. Serial No. 154,611½. PUBLISHED SEPTEMBER 18, 1923.

178,518. CERTAIN NAMED JEWELRY AND PRECIOUS-METAL WARE. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed August 27, 1921. Serial No. 152,250. PUBLISHED OCTOBER 16, 1923.

178,519. BUTTER, CHEESE, ICE CREAM, AND EGGS. BORDEN'S FARM PRODUCTS COMPANY, INC., Wassaic and New York, N. Y.
Filed August 2, 1921. Serial No. 151,249. PUBLISHED FEBRUARY 7, 1922.

178,520. CERTAIN NAMED RADIO APPARATUS. ELECTRICAL SPECIALTY COMPANY, Columbus, Ohio.
Filed July 30, 1921. Serial No. 151,150. PUBLISHED OCTOBER 23, 1923.

178,521. WORKING GLOVES, MITTENS, AND GAUNTLETS, MADE OF COTTON, CANTON FLANNEL, OR CANVAS, AND JERSEY GLOVES, AND WORKING GLOVES, MITTENS, AND GAUNTLETS OF LEATHER COMBINATIONS COMPOSED OF CANTON FLANNEL, OR CANVAS AND LEATHER. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed December 23, 1920. Serial No. 141,451. PUBLISHED DECEMBER 6, 1921.

178,522. TEA, COFFEE, FLAVORING EXTRACTS FOR FOOD, COCOA, CHOCOLATE, SPICES, MACARONI, SPAGHETTI, NOODLES, CORNSTARCH, TAPIOCA, RICE, AND SALAD DRESSING. A. J. DONALDSON, doing business as Great Western Tea Co., San Francisco, Calif.
Filed November 26, 1920. Serial No. 140,169. PUBLISHED AUGUST 29, 1922.

178,523. SALTED PEANUTS. IMPERIAL CANDY COMPANY, Seattle, Wash.
Filed September 11, 1922. Serial No. 169,802. PUBLISHED OCTOBER 30, 1923.

178,524. COMPOUND USED IN THE CURING OF RUBBER ARTICLES. THE RUBBER SERVICE LABORATORIES CO., Akron, Ohio.
Filed July 9, 1923. Serial No. 182,908. PUBLISHED OCTOBER 30, 1923.

178,525. JELLY SOAP. A. B. HOLDER, Abilene, Tex.
Filed July 9, 1923. Serial No. 182,971. PUBLISHED OCTOBER 16, 1923.

178,526. LAXATIVE. THE FRIES & FRIES COMPANY, Cincinnati, Ohio.
Filed July 9, 1923. Serial No. 182,969. PUBLISHED OCTOBER 30, 1923.

178,527. LAXATIVE. THE FRIES & FRIES COMPANY, Cincinnati, Ohio.
Filed July 9, 1923. Serial No. 182,968. PUBLISHED OCTOBER 30, 1923.

178,528. FIRE-EXTINGUISHING COMPOSITIONS. AMERICAN DYEWOOD COMPANY, New York, N. Y.
Filed July 7, 1923. Serial No. 182,897. PUBLISHED OCTOBER 30, 1923.

178,529. MEDICINAL LAXATIVES IN CHEWING-GUM FORM. JACQUES M. STRULLY, doing business as Chiklax Chemical Products Co., Brooklyn, N. Y.
Filed July 6, 1923. Serial No. 182,884. PUBLISHED OCTOBER 30, 1923.

178,530. POLISHING SOAP AND PADS OF STEEL WOOL TO BE USED THEREWITH. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed July 6, 1923. Serial No. 182,859. PUBLISHED OCTOBER 30, 1923.

178,531. HAIR TONIC. NETTIE E. HECKETHORN, Casper, Wyo.
Filed July 5, 1923. Serial No. 182,810. PUBLISHED OCTOBER 30, 1923.

178,532. TOILET PREPARATIONS. GIVIEMME COMPANY, Philadelphia, Pa.
Filed July 5, 1923. Serial No. 182,797. PUBLISHED OCTOBER 30, 1923.

178,533. WIGS. NATIONAL HAIR GOODS CO., New York, N. Y.
Filed July 3, 1923. Serial No. 182,764. PUBLISHED OCTOBER 16, 1923.

178,534. MEDICINAL PREPARATION FOR RHEUMATISM, MUSCULAR PAINS, AND SIMILAR DISEASES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 3, 1923. Serial No. 182,760. PUBLISHED OCTOBER 30, 1923.

178,535. COLD CREAM. FOLEY & COMPANY, Chicago, Ill.
Filed July 3, 1923. Serial No. 182,745. PUBLISHED OCTOBER 30, 1923.

178,536. COUGH REMEDY. SCHLINTZ BROS. CO., Appleton, Wis.
Filed July 2, 1923. Serial No. 182,725. PUBLISHED OCTOBER 30, 1923.

178,537. SHAMPOO. SCHLINTZ BROS. CO., Appleton, Wis.
Filed July 2, 1923. Serial No. 182,724. PUBLISHED OCTOBER 30, 1923.

178,538. CORN REMEDY. SCHLINTZ BROS. CO., Appleton, Wis.
Filed July 2, 1923. Serial No. 182,723. PUBLISHED OCTOBER 30, 1923.

178,539. PREPARATION FOR TREATMENT OF SLUGGISH CONDITIONS OF THE BOWELS. JAMES DUTTON, Philadelphia, Pa.
Filed July 2, 1923. Serial No. 182,705. PUBLISHED OCTOBER 30, 1923.

178,540. CANNED OLIVES, CANNED GRAPEFRUIT, CANNED PIMIENTOES, CANNED SPINACH. VAN CAMP SEA FOOD COMPANY, Los Angeles, Calif.
Filed June 30, 1923. Serial No. 182,685. PUBLISHED OCTOBER 16, 1923.

178,541. CERTAIN NAMED ELECTRICAL APPARATUS. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed June 30, 1923. Serial No. 182,669. PUBLISHED OCTOBER 23, 1923.

178,542. BLEACHING AND CLEANSING FACIAL LIQUIDS AND CREAMS. L. M. MOREHOUSE, doing business as La-Bay Co., San Francisco, Calif.
Filed June 30, 1923. Serial No. 182,665. PUBLISHED OCTOBER 30, 1923.

178,543. LIP STICK AND ROUGE. THE GEORGE W. LUFT COMPANY, INC., Long Island City, N. Y.
Filed June 30, 1923. Serial No. 182,664. PUBLISHED OCTOBER 30, 1923.

178,544. LAXATIVES AND TONICS. GEDDES & BARNABY, also doing business as Al-Fa-Fa Mfg. Co., Los Angeles, Calif.
Filed June 29, 1923. Serial No. 182,579. PUBLISHED OCTOBER 30, 1923.

178,545. ELECTRIC FLATIRONS. DONNELLY MACHINE CO. INC., Brockton, Mass.
Filed June 29, 1923. Serial No. 182,573. PUBLISHED OCTOBER 23, 1923.

178,546. DENATURED ETHYL ALCOHOL SUITABLE FOR USE IN ALCOHOL STOVES. BLU-BLAZE CORPORATION, Chicago, Ill.
Filed June 27, 1923. Serial No. 182,497. PUBLISHED OCTOBER 30, 1923.

178,547. ALCOHOL STOVES. BLU-BLAZE CORPORATION, Chicago, Ill.
Filed June 27, 1923. Serial No. 182,496. PUBLISHED OCTOBER 30, 1923.

178,548. ELECTRICAL DISHWASHING MACHINES. WONDER PORTABLE DISHWASHER COMPANY, Oakland, Calif.
Filed June 25, 1923. Serial No. 182,454. PUBLISHED OCTOBER 23, 1923.

178,549. PHONES FOR USE WITH RADIO AND TELEPHONE APPARATUS. MARINETTE ELECTRIC CORPORATION, Marinette, Wis.
Filed June 22, 1923. Serial No. 182,353. PUBLISHED OCTOBER 23, 1923.

178,550. LADIES' UNDERVESTS, CORSET COVERS, AND BRASSIÈRES. BENJAMIN & WEIL, INC., New York, N. Y.
Filed June 21, 1923. Serial No. 182,289. PUBLISHED OCTOBER 30, 1923.

178,551. VANILLIN. UNGERER & COMPANY, INC., New York, N. Y.
Filed June 20, 1923. Serial No. 182,275. PUBLISHED OCTOBER 30, 1923.

178,552. MEDICINE IN POWDER FORM. LOUIS PUEHRER, New York, N. Y.
Filed June 18, 1923. Serial No. 182,182. PUBLISHED OCTOBER 30, 1923.

178,553. MEDICINAL OIL FOR USE AS AN INTESTINAL LUBRICANT. WILLIAM D. CAVANAUGH, doing business as Velvet Oil Co., Reno and Oil City, Pa.
Filed June 18, 1923. Serial No. 182,131. PUBLISHED OCTOBER 30, 1923.

178,554. PERFORATED MUSIC ROLLS. UNITED STATES MUSIC COMPANY, Chicago, Ill.
Filed June 16, 1923. Serial No. 182,118. PUBLISHED OCTOBER 30, 1923.

178,555. WINDOW SHADES. FOREST C. C. SMITH, doing business as The Hem-Locked Shade Co., Luverne, Minn.
Filed June 15, 1923. Serial No. 182,060. PUBLISHED OCTOBER 30, 1923.

178,556. COLLARS, SCARFS, NECKTIES, AND CRAVATS. Isidore Rosen, doing business as Capital Neckwear Company, New York, N. Y.
Filed June 15, 1923. Serial No. 182,062. PUBLISHED OCTOBER 30, 1923.

178,557. OLIVE OIL. John Har Savvas, New York, N. Y.
Filed June 14, 1923. Serial No. 182,011. PUBLISHED OCTOBER 23, 1923.

178,558. CLOCKS. Phinney-Walker Company, New York, N. Y.
Filed Sept. 10, 1923. Serial No. 185,614. PUBLISHED OCTOBER 30, 1923.

178,559. CLOCKS. Phinney-Walker Company, New York, N. Y.
Filed September 10, 1923. Serial No. 185,613. PUBLISHED OCTOBER 30, 1923.

178,560. FILTER PAPER. Central Scientific Company, Chicago, Ill.
Filed September 7, 1923. Serial No. 185,446. PUBLISHED OCTOBER 30, 1923.

178,561. BOYS' AND GIRLS' PLAY SUITS. Louis Schwartz, doing business as Z. & S. Middy Company, New York, N. Y.
Filed September 6, 1923. Serial No. 185,382. PUBLISHED OCTOBER 30, 1923.

178,562. MANIFOLD PAPER. Eaglock Manufacturing Co., Turners Falls, Mass.
Filed September 5, 1923. Serial No. 185,332. PUBLISHED OCTOBER 30, 1923.

178,563. WATCH MOVEMENTS AND WATCHCASES. Mendel Levitt, doing business as M. Levitt & Co., Albany, N. Y.
Filed September 1, 1923. Serial No. 185,254. PUBLISHED OCTOBER 30, 1923.

178,564. DRESSING FOR LEATHER OR CANVAS BELTS. Chicago Belting Company, Chicago, Ill.
Filed June 12, 1923. Serial No. 181,879. PUBLISHED OCTOBER 30, 1923.

178,565. SAFETY PINS. W. T. Grant Company, New York, N. Y.
Filed June 11, 1923. Serial No. 181,831. PUBLISHED OCTOBER 16, 1923.

178,566. SAFETY PINS. W. T. Grant Company, New York, N. Y.
Filed June 11, 1923. Serial No. 181,830. PUBLISHED OCTOBER 16, 1923.

178,567. MEN'S SUITS, PANTS, VESTS, AND COATS. Haspel Brothers, New Orleans, La.
Filed June 9, 1923. Serial No. 181,746. PUBLISHED OCTOBER 30, 1923.

178,568. PEARLS. William S. Orkin, doing business as W. S. Orkin & Company, Boston, Mass.
Filed June 8, 1923. Serial No. 181,696. PUBLISHED OCTOBER 16, 1923.

178,569. RADIO AMPLIFIER HORNS. Sheip and Vandegrift, Inc., Philadelphia, Pa.
Filed June 5, 1923. Serial No. 181,572. PUBLISHED OCTOBER 23, 1923.

178,570. CERTAIN NAMED ELECTRICAL APPARATUS. Electric Regulator Mfg. Corp., New York, N. Y.
Filed June 1, 1923. Serial No. 181,439. PUBLISHED OCTOBER 23, 1923.

178,571. GENERAL LINE OF TOILET PREPARATIONS AND THEATRICAL PERFUMERY. L. Leichner, Berlin, Germany.
Filed May 31, 1923. Serial No. 181,406. PUBLISHED OCTOBER 30, 1923.

178,572. GENERAL LINE OF TOILET PREPARATIONS AND THEATRICAL PERFUMERY. L. Leichner, Berlin, Germany.
Filed May 31, 1923. Serial No. 181,405. PUBLISHED OCTOBER 30, 1923.

178,573. GENERAL LINE OF TOILET PREPARATIONS AND THEATRICAL PERFUMERY. L. Leichner, Berlin, Germany.
Filed May 31, 1923. Serial No. 181,404. PUBLISHED OCTOBER 30, 1923.

178,574. GENERAL LINE OF TOILET PREPARATIONS AND THEATRICAL PERFUMERY. L. Leichner, Berlin, Germany.
Filed May 31, 1923. Serial No. 181,403. PUBLISHED OCTOBER 30, 1923.

178,575. GENERAL LINE OF TOILET PREPARATIONS AND THEATRICAL PERFUMERY. L. Leichner, Berlin, Germany.
Filed May 31, 1923. Serial No. 181,402. PUBLISHED OCTOBER 30, 1923.

178,576. CERTAIN NAMED CHEMICALS. H. D. Kampf, New York, N. Y.
Filed May 28, 1923. Serial No. 181,285. PUBLISHED OCTOBER 30, 1923.

178,577. CONNECTING PLUGS FOR USE WITH RADIO APPARATUS. Dubilier Condenser & Radio Corp., New York, N. Y.
Filed May 28, 1923. Serial No. 181,254. PUBLISHED OCTOBER 30, 1923.

178,578. LADIES', MISSES', AND CHILDREN'S UNDERWEAR OF TEXTILE FABRIC, BATH ROBES, NIGHTGOWNS, SLIPS, KIMONOS, AND BUNTINGS. P. Wolf-Goldman, Inc., New York, N. Y.
Filed May 26, 1923. Serial No. 181,230. PUBLISHED OCTOBER 30, 1923.

178,579. YOUNG MEN'S OVERCOATS AND SUITS IN ONE, TWO, THREE, AND FOUR PIECE GARMENTS. Aaron Mintz & Sons, Inc., New York, N. Y.
Filed May 25, 1923. Serial No. 181,138. PUBLISHED OCTOBER 30, 1923.

178,580. PREPARATION TO RELIEVE INDIGESTION, HEARTBURN, AND GASES. Isadore Ehrlich, doing business as Rockaway Pharmacal Co., New York, N. Y.
Filed May 25, 1923. Serial No. 181,113. PUBLISHED OCTOBER 30, 1923.

178,581. CANDY. C. F. Blanke Candy Company, Branch of C. F. Blanke Tea & Coffee Company, St. Louis, Mo.
Filed May 25, 1923. Serial No. 181,108. PUBLISHED OCTOBER 30, 1923.

178,582. CANDY. C. F. Blanke Candy Company, Branch of C. F. Blanke Tea & Coffee Company, St. Louis, Mo.
Filed May 25, 1923. Serial No. 181,107. PUBLISHED OCTOBER 30, 1923.

178,583. PERIODICAL PUBLICATIONS ISSUED APPROXIMATELY QUARTERLY. Chicago Automobile Trade Association, Chicago, Ill.
Filed May 12, 1923. Serial No. 180,522. PUBLISHED OCTOBER 30, 1923.

178,584. ELECTRIC CLOTHES WASHERS. Delphin Specialty Manufacturing Company, Detroit, Mich.
Filed May 11, 1923. Serial No. 180,469. PUBLISHED OCTOBER 23, 1923.

178,585. DEODORIZING PREPARATION. William A. Voigt, doing business as The Toledo Dental Supply Co., Toledo, Ohio.
Filed May 8, 1923. Serial No. 180,247. PUBLISHED OCTOBER 30, 1923.

178,586. HOROLOGICAL INSTRUMENTS CONSISTING OF WATCH MOVEMENTS, WATCHES, AND CLOCKS. Morris S. Rosenberg, New York, N. Y.
Filed May 5, 1923. Serial No. 180,240. PUBLISHED OCTOBER 30, 1923.

178,587. CONFECTION CONSISTING OF TWO SUGAR WAFERS OR CAKES WITH A FILLING OF CREAMED SUGAR CONTAINING GROUND FRUIT INTERPOSED TO FORM A SANDWICH. Elwin C. Webber, doing business as Webber and Company, Los Angeles, Calif.
Filed May 1, 1923. Serial No. 180,035. PUBLISHED OCTOBER 16, 1923.

178,588. CANTALOUPES IN THEIR NATURAL STATE. W. T. Lane, Jr., Jonesboro, Ark.
Filed May 1, 1923. Serial No. 180,015. PUBLISHED SEPTEMBER 11, 1923.

178,589. CANNED SALMON. Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash.
Filed May 1, 1923. Serial No. 180,007. PUBLISHED OCTOBER 30, 1923.

178,590. CANNED SALMON. Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash.
Filed May 1, 1923. Serial No. 180,006. PUBLISHED OCTOBER 30, 1923.

178,591. CANNED SALMON. Hodgson and Company Limited, doing business as Cron and Dehn Inc., Sydney, New South Wales, Australia, and Seattle, Wash.
Filed May 1, 1923. Serial No. 180,004. PUBLISHED OCTOBER 30, 1923.

178,592. MESH BAGS MADE OF PRECIOUS METALS. Whiting & Davis Company, Plainville, Mass.
Filed April 30, 1923. Serial No. 179,979. PUBLISHED OCTOBER 16, 1923.

178,593. PORCH SHADES. Clyde W. Warren, doing business as Automatic Curtain Co., Sauk Rapids, Minn.
Filed April 28, 1923. Serial No. 179,907. PUBLISHED OCTOBER 16, 1923.

178,594. PORCH SHADES. Clyde W. Warren, doing business as Automatic Curtain Co., Sauk Rapids, Minn.
Filed April 28, 1923. Serial No. 179,906. PUBLISHED OCTOBER 23, 1923.

178,595. PORCH SHADES. Clyde W. Warren, doing business as Automatic Curtain Co., Sauk Rapids, Minn.
Filed April 28, 1923. Serial No. 179,905. PUBLISHED OCTOBER 16, 1923.

178,596. CHEST-PROTECTING GARMENTS USED AS CLOTHING AND BODY-PROTECTING GARMENTS USED AS CLOTHING. Max Kassler, doing business as City Naval Equipment Co., Brooklyn, N. Y.
Filed April 26, 1923. Serial No. 179,731. PUBLISHED OCTOBER 30, 1923.

178,597. CANDY. Cardinet Candy Company, Oakland, Calif.
Filed April 24, 1923. Serial No. 179,584. PUBLISHED OCTOBER 30, 1923.

178,598. INDIVIDUALLY-PACKED CRYSTALS (GALENA) FOR RADIO SETS. Abraham S. Goldstein, doing business as The Anchor Company, Pittsburgh, Pa.
Filed April 21, 1923. Serial No. 179,486. PUBLISHED OCTOBER 23, 1923.

178,599. GAS HOT-WATER-STORAGE HEATERS. The Welsbach Co. of N. E., Boston, Mass.
Filed March 27, 1923. Serial No. 178,154. PUBLISHED OCTOBER 30, 1923.

178,600. PIANOS. Story & Clark Piano Co., Chicago, Ill.
Filed April 12, 1923. Serial No. 179,066. PUBLISHED OCTOBER 30, 1923.

178,601. WATER HEATERS, FUEL-OIL HEATERS, AND EVAPORATOR WATER HEATERS. The Griscom-Russell Company, New York, N. Y.
Filed March 27, 1923. Serial No. 178,099. PUBLISHED OCTOBER 30, 1923.

178,602. REMEDY USED INTERNALLY FOR SEA-SICKNESS AND OTHER DISORDERS AND DISEASES. Max Zeller Söhne, Romanshorn, Switzerland.
Filed March 21, 1923. Serial No. 177,794. PUBLISHED OCTOBER 30, 1923.

178,603. REMEDY USED INTERNALLY FOR SEA-SICKNESS AND OTHER DISORDERS. Max Zeller Söhne, Romanshorn, Switzerland.
Filed March 21, 1923. Serial No. 177,793. PUBLISHED OCTOBER 30, 1923.

178,604. CERTAIN NAMED ELECTRICAL APPARATUS. The Eastern Specialty Company, Philadelphia, Pa.
Filed March 3, 1923. Serial No. 176,687. PUBLISHED OCTOBER 30, 1923.

178,605. CLOAKS, SUITS, DRESSES, AND HOSIERY. Kellogg Drake & Co., Galesburg, Ill.
Filed March 2, 1923. Serial No. 176,836. PUBLISHED OCTOBER 30, 1923.

178,606. NECKWEAR, MUFFLERS (MEN AND WOMEN), SWEATERS (MEN AND WOMEN), BATHING SUITS (MEN AND WOMEN), AND KNITTED TOQUES. Thomas Edward Resnick, Chicago, Ill.
Filed February 28, 1923. Serial No. 176,761. PUBLISHED OCTOBER 30, 1923.

178,607. FACIAL PACK. The Crown Chemical Company, now by change of name, Boncilla Laboratories, Incorporated, Indianapolis, Ind.
Filed February 27, 1923. Serial No. 176,671. PUBLISHED OCTOBER 30, 1923.

178,608. GERMICIDE AND ANTISEPTIC MOUTH WASH. John T. Milliken & Company, St. Louis, Mo.
Filed February 24, 1923. Serial No. 176,563. PUBLISHED OCTOBER 30, 1923.

178,609. A NUT CEREAL FOOD. The Battle Creek Food Company, Battle Creek, Mich.
Filed February 8, 1923. Serial No. 175,703. PUBLISHED OCTOBER 30, 1923.

178,610. PHONOGRAPHS. Stettner Phonograph Corporation, New York, N. Y.
Filed January 22, 1923. Serial No. 175,035. PUBLISHED OCTOBER 30, 1923.

178,611. DATES. Alexandre Rannou & Cie., Marseille, France.
Filed January 22, 1923. Serial No. 174,874. PUBLISHED OCTOBER 16, 1923.

178,612. PREPARATION FOR THE BLOOD. Paxtonic Blood Food Co. Inc., Birmingham, Ala.
Filed January 19, 1923. Serial No. 174,798. PUBLISHED OCTOBER 30, 1923.

178,613. CERTAIN NAMED STEEL EQUIPMENT AND FURNITURE. Morris Lobwy, doing business as New York Machinery Company, New York, N. Y.
Filed January 19, 1923. Serial No. 174,790. PUBLISHED OCTOBER 30, 1923.

178,614. CHEMICAL COMPOUND FOR THE TREATMENT OF SYPHILIS. Etablissemens Poulenc Frères (Société Anonyme), Paris, France.
Filed December 23, 1922. Serial No. 173,756. PUBLISHED OCTOBER 30, 1923.

178,615. CHEMICAL PREPARATION USED AS A HYPNOTIC, SEDATIVE, OR ANTIEPILEPTIC. Etablissements Poulenc Frères, Paris, France.
Filed December 23, 1922. Serial No. 173,755. PUBLISHED OCTOBER 30, 1923.

178,616. SOLUTION FOR THE TREATMENT OF SYPHILIS. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,753. PUBLISHED OCTOBER 30, 1923.

178,617. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,743. PUBLISHED OCTOBER 30, 1923.

178,618. HAIR GROWER. EMMA G. FULTON, Chicago, Ill.
Filed November 18, 1922. Serial No. 172,218. PUBLISHED OCTOBER 30, 1923.

178,619. RHEOSTATS. SOLOMON RITTER HIPPLE, Williamsport, Pa., assignor to DX Instrument Company, Harrisburg, Pa., a Corporation of Delaware.
Filed December 7, 1922. Serial No. 173,047. PUBLISHED OCTOBER 23, 1923.

178,620. SOAP. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,543. PUBLISHED OCTOBER 30, 1923.

178,621. BACON, CANNED CORNED BEEF, CORNED PORK, VEAL LOAF, HAMS AND LARD. A. C. HOFMANN & SONS, Syracuse, N. Y.
Filed November 7, 1922. Serial No. 171,538. PUBLISHED NOVEMBER 6, 1923.

178,622. SALVES FOR HAIR AND SCALP TREATMENT. ALMA E. ALLEN, doing business as The Allen Company, Cleveland, Ohio.
Filed November 10, 1922. Serial No. 171,782. PUBLISHED OCTOBER 30, 1923.

178,623. CERTAIN NAMED FURNITURE. HEYWOOD-WAKEFIELD COMPANY, Gardner, Mass.
Filed November 1, 1922. Serial No. 171,459. PUBLISHED OCTOBER 16, 1923.

178,624. OUTER CLOTHING—NAMELY, SUITS, COATS, TROUSERS, SKIRTS, CLOAKS, AND CAPES. THE LEWIS & HARRIS HANDWOVEN TWEED COMPANY LIMITED, Stornaway, Island of Lewis, Scotland.
Filed October 24, 1922. Serial No. 171,132. PUBLISHED OCTOBER 30, 1923.

178,625. SEAL AND COMPENSATING MEANS FOR PISTON RINGS. GENERAL ASBESTOS & RUBBER COMPANY, Charleston, S. C.
Filed October 14, 1922. Serial No. 170,717. PUBLISHED OCTOBER 30, 1923.

178,626. FUR COATS, CAPES, WRAPS, AND STOLES. ISADORE A. HESSEL, St. Louis, Mo.
Filed October 9, 1922. Serial No. 170,485. PUBLISHED OCTOBER 30, 1923.

178,627. CANNED OYSTERS AND CANNED SHRIMP. BILOXI PACKING & TRADING CO., Biloxi, Miss.
Filed October 6, 1922. Serial No. 170,364. PUBLISHED OCTOBER 30, 1923.

178,628. ANTISEPTIC AND DISINFECTANT COMPOUNDS. THE OAKLAND CHEMICAL COMPANY, New York, N. Y.
Filed June 6, 1923. Serial No. 181,608. PUBLISHED NOVEMBER 6, 1923.

178,629. INSECTICIDE. BAILEY E. CHANEY, Baton Rouge, La.
Filed June 6, 1923. Serial No. 181,586. PUBLISHED NOVEMBER 6, 1923.

178,630. INCENSE. WEST COAST TRADING COMPANY, San Francisco, Calif.
Filed June 5, 1923. Serial No. 181,577. PUBLISHED NOVEMBER 6, 1923.

178,631. FLUID FOR REMOVING STAINS FROM THE TEETH. PRESTO MANUFACTURING CO., New York, N. Y.
Filed June 5, 1923. Serial No. 181,569. PUBLISHED NOVEMBER 6, 1923.

178,632. DEODORANTS AND PREVENTIVES OF EXCESSIVE PERSPIRATION. ARTHUR W. TAYLOR, doing business as Taylor & Taylor, Portland, Oreg.
Filed June 1, 1923. Serial No. 181,465. PUBLISHED NOVEMBER 6, 1923.

178,633. MUSLIN IN THE PIECE. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed May 28, 1923. Serial No. 181,265. PUBLISHED OCTOBER 23, 1923.

178,634. GINGHAM PIECE GOODS. HERBERT B. LEDERER CORP., New York, N. Y.
Filed April 27, 1923. Serial No. 179,804. PUBLISHED OCTOBER 30, 1923.

178,635. COFFEE. BETTERTON-RUPERT COFFEE CO., Ashland, Ky.
Filed April 27, 1923. Serial No. 179,771. PUBLISHED OCTOBER 23, 1923.

178,636. CERTAIN NAMED PAPER. BENNINGTON WAX PAPER COMPANY, Bennington, Vt.
Filed April 21, 1923. Serial No. 179,453. PUBLISHED OCTOBER 30, 1923.

178,637. PREPARATION FOR ROUP, CHOLERA, AND WHITE DIARRHEA FOR POULTRY. GEORGE E. BLANCHARD, doing business as Blanco Remedy Company, Mendota, Ill.
Filed April 19, 1923. Serial No. 179,352. PUBLISHED NOVEMBER 6, 1923.

178,638. SEESAW TOY. BUDDY-BOUNCER COMPANY, Dallas, Tex.
Filed April 20, 1923. Serial No. 179,395. PUBLISHED JUNE 19, 1923.

178,639. A MIXTURE OF DRIED CHILE, SPICES, AND CEREALS — NAMELY, CANNED CHILE. PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif.
Filed April 19, 1923. Serial No. 179,348. PUBLISHED OCTOBER 30, 1923.

178,640. CUSTARDS, CAKES, EGG SUBSTITUTES, WHEAT FLOUR, RYE FLOUR, PREPARED SELF-RISING FLOUR, FRUIT AND PASTRY PUDDINGS, MINCEMEATS, GELATINS, AND CANDIES. CHARLES H. MURRAY, Brooklyn, N. Y.
Filed April 18, 1923. Serial No. 179,310. PUBLISHED OCTOBER 30, 1923.

178,641. ROUGE, COLD CREAM, LIP STICK, TOILET WATER, TALCUM POWDER, AND FACE POWDER. LOURNAY, INC., Milwaukee, Wis.
Filed April 17, 1923. Serial No. 179,279. PUBLISHED NOVEMBER 6, 1923.

178,642. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. ALFRED DUNHILL OF LONDON, INC., New York, N. Y.
Filed April 17, 1923. Serial No. 179,265. PUBLISHED OCTOBER 23, 1923.

178,643. TOBACCO PIPES. FREDERICK WINSTANLEY MODY, Manchester, England.
Filed April 14, 1923. Serial No. 179,160. PUBLISHED OCTOBER 23, 1923.

178,644. TOILET PREPARATION IN TABLET, POWDERED, AND LIUID FORM TO BE ADDED TO THE BATH FOR MEDICINAL PURPOSES. C. F. WUNDERLICH CO. INC., New York, N. Y.
Filed April 10, 1923. Serial No. 178,943. PUBLISHED NOVEMBER 6, 1923.

178,645. AN ORGANIC COMPOUND OF MERCURY USED AS A LOCAL ANTISEPTIC IN MEDICINE. MAURICE H. ROSOFF, doing business as The Rosoff Pharmacal Company, Philadelphia, Pa.
Filed April 7, 1923. Serial No. 178,773. PUBLISHED NOVEMBER 6, 1923.

178,646. VAGINAL SUPPOSITORIES. FRANCES ALMEDA ELIASON, Muscatine County, Iowa.
Filed April 6, 1923. Serial No. 178,660. PUBLISHED NOVEMBER 6, 1923.

178,647. FOOT SALVE TO RELIEVE INFLAMMATION AND PAINS IN THE FEET. LILLIE BROWN, Brooklyn, N. Y.
Filed April 4, 1923. Serial No. 178,548. PUBLISHED NOVEMBER 6, 1923.

178,648. A MONTHLY MAGAZINE. NATIONAL ASSOCIATION OF MARBLE DEALERS, Buffalo, N. Y.
Filed September 11, 1923. Serial No. 185,666. PUBLISHED NOVEMBER 6, 1923.

178,649. COTTON GLAZED BRAIDER THREAD. WORCESTER BLEACH & DYE WORKS CO., Worcester, Mass.
Filed September 10, 1923. Serial No. 185,642. PUBLISHED OCTOBER 30, 1923.

178,650. ROAD MAPS. LUDO L. ZIMMER, doing business as The Dependable Information Bureau, Detroit, Mich.
Filed August 31, 1923. Serial No. 185,236. PUBLISHED NOVEMBER 6, 1923.

178,651. WOVEN, PRINTED, AND DYED DRAPERY FABRICS. BARBE-MCKENZIE CORPORATION, New York, N. Y.
Filed August 31, 1923. Serial No. 185,197. PUBLISHED OCTOBER 30, 1923.

178,652. HAIR NETS. ALBERT A. JULIN, doing business as Julin Importing Company, Chicago, Ill.
Filed August 25, 1923. Serial No. 184,972. PUBLISHED OCTOBER 30, 1923.

178,653. WOVEN JUTE FLOOR RUGS. S. COHEN & SON, Philadelphia, Pa.
Filed August 25, 1923. Serial No. 184,959. PUBLISHED OCTOBER 30, 1923.

178,654. COLORED GLASS. SEMON BACHE & COMPANY, New York, N. Y.
Filed August 23, 1923. Serial No. 184,920. PUBLISHED OCTOBER 30, 1923.

178,655. CERTAIN NAMED YARNS AND THREADS. BERNHARD ULMANN CO., INC., New York, N. Y.
Filed August 18, 1923. Serial No. 184,698. PUBLISHED OCTOBER 23, 1923.

178,656. WOOLEN PIECE GOODS INTENDED FOR WOMEN'S COATS, CAPES, CLOAKS, ETC. S. STEIN & COMPANY, New York, N. Y.
Filed August 16, 1923. Serial No. 184,568. PUBLISHED OCTOBER 30, 1923.

178,657. TERRY TOWELING. HOLT MANUFACTURING CO., Paterson, N. J.
Filed August 15, 1923. Serial No. 184,499. PUBLISHED OCTOBER 23, 1923.

178,658. HAIR NETS. THE EMPORIUM, San Francisco, Calif.
Filed August 14, 1923. Serial No. 184,441. PUBLISHED OCTOBER 23, 1923.

178,659. PLAIN WHITE, DYED, OR PRINTED COTTON DRESS AND UNDERWEAR PIECE GOODS. OPPENHEIM, OBERNDORF & CO., INC., also doing business as Franklin Manufacturing Company, Baltimore, Md.
Filed August 13, 1923. Serial No. 184,418. PUBLISHED NOVEMBER 6, 1923.

178,660. BEADS AND METAL SPANGLES. CANUET FRÈRES, Paris, France.
Filed August 3, 1923. Serial No. 184,018. PUBLISHED OCTOBER 9, 1923.

178,661. CHAMBRAY, CHEVIOT, AND DENIMS IN THE PIECE. THE STONEWALL COTTON MILLS, Stonewall, Miss.
Filed July 18, 1923. Serial No. 183,415. PUBLISHED OCTOBER 23, 1923.

178,662. COTTON PIECE GOODS. BURNHAM-MUNGER-ROOT DRY GOODS COMPANY, Kansas City, Mo.
Filed July 18, 1923. Serial No. 183,358. PUBLISHED OCTOBER 23, 1923.

178,663. CAKE ICING. LEWIS A. TUECK, Hornell, N. Y.
Filed July 13, 1923. Serial No. 183,179. PUBLISHED OCTOBER 30, 1923.

178,664. ICE CREAM. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed July 3, 1923. Serial No. 182,734. PUBLISHED OCTOBER 30, 1923.

178,665. COTTON FABRICS. HILL MANUFACTURING CO., Lewiston, Me., assignor to Hill Manufacturing Co., Boston, Mass., a Corporation of Massachusetts.
Filed June 30, 1923. Serial No. 182,659. PUBLISHED OCTOBER 23, 1923.

178,666. COTTON PIECE GOODS. HILL MANUFACTURING CO., Lewiston, Me., assignor to Hill Manufacturing Co., Boston, Mass., a Corporation of Massachusetts.
Filed June 30, 1923. Serial No. 182,658. PUBLISHED OCTOBER 23, 1923.

178,667. CANDY. FULTON CONFECTIONERY COMPANY, Boston, Mass.
Filed June 29, 1923. Serial No. 182,577. PUBLISHED OCTOBER 30, 1923.

178,668. PHOTOGRAPHIC-DRY-PLATE GLASS AND PICTURE GLASS. CHAUFOURAUX GLASS COMPANY, St. Louis, Mo.
Filed June 9, 1923. Serial No. 181,728. PUBLISHED OCTOBER 23, 1923.

178,669. COTTON PIECE GOODS. THE ROBT. J. LEBENSON CORPORATION, New York, N. Y.
Filed June 22, 1923. Serial No. 182,350. PUBLISHED OCTOBER 30, 1923.

178,670. A PURGATIVE AND LAXATIVE. BARNET OSMAN, doing business as Stamford Drug Company, Stamford, Conn.
Filed June 6, 1923. Serial No. 181,610. PUBLISHED NOVEMBER 6, 1923.

178,671. HONEY. A. I. ROOT COMPANY OF TEXAS, San Antonio, Tex.
Filed June 8, 1923. Serial No. 181,698. PUBLISHED OCTOBER 30, 1923.

178,672. COFFEE. NORTHWESTERN DISTRIBUTING CO., Billings, Mont.
Filed April 2, 1923. Serial No. 178,456. PUBLISHED OCTOBER 9, 1923.

178,673. A PREPARATION FOR THE TREATMENT OF RHEUMATISM, SCIATICA, LUMBAGO, GOUT, AND NEURITIS. VOLTA CO. OF AMERICA, INC., Philadelphia, Pa.
Filed March 10, 1923. Serial No. 177,255. PUBLISHED NOVEMBER 6, 1923.

178,674. PORCELAIN TEAPOTS. GERTRUDE BARNETT, San Francisco, Calif.
Filed March 5, 1923. Serial No. 176,942. PUBLISHED OCTOBER 30, 1923.

178,675. COFFEE, TEA, AND SUBSTITUTES THEREFOR. HENRY A. SCHNITTKER, doing business under the name H. A. S. Coffee Co., St. Louis, Mo.
Filed March 2, 1923. Serial No. 176,858. PUBLISHED SEPTEMBER 18, 1923.

178,676. COMPOUND USED IN THE TREATMENT OF HEADACHE, NEURALGIA, BRAIN FATIGUE, AND SLEEPLESSNESS. JOHN B. REESIDE, doing business as Reeside Drug Company, Baltimore, Md.
Filed February 15, 1923. Serial No. 176,100. PUBLISHED NOVEMBER 6, 1923.

178,677. RELIEF OF CARBUNCLES, TUMORS, ENLARGED GLANDS, ABSCESSES, INFECTIONS, AND SWELLINGS. C. BASCELLI & BROS., Philadelphia, Pa.
Filed December 18, 1922. Serial No. 173,462. PUBLISHED NOVEMBER 6, 1923.

178,678. CERTAIN NAMED TEXTILES. CALHOUN, ROBBINS & Co., New York, N. Y.
Filed November 13, 1922. Serial No. 172,200. PUBLISHED APRIL 3, 1923.

178,679. PIECE GOODS OF SILK, ARTIFICIAL SILK, AND SILK AND COTTON. THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass.
Filed October 12, 1922. Serial No. 170,624. PUBLISHED OCTOBER 30, 1923.

178,680. ICE CREAM. PURITY ICE CREAM COMPANY, Tulsa, Okla.
Filed October 10, 1922. Serial No. 170,543. PUBLISHED OCTOBER 23, 1923.

178,681. FUSTIAN. J. H. LANE & Co., New York, N. Y.
Filed August 16, 1922. Serial No. 168,319. PUBLISHED OCTOBER 23, 1923.

178,682. CANNED PEAS. CALUMET PACKING CO., Sheboygan, Wis.
Filed July 26, 1922. Serial No. 167,383. PUBLISHED OCTOBER 16, 1923.

178,683. COTTON PIECE GOODS. GEORGE WILLCOMB COMPANY, Boston, Mass.
Filed July 22, 1922. Serial No. 167,282. PUBLISHED OCTOBER 23, 1923.

178,684. A CERTAIN NAMED MEDICINAL PREPARATION. C. & A. DRUG Co., Elmer, N. J.
Filed July 18, 1922. Serial No. 167,066. PUBLISHED OCTOBER 23, 1923.

178,685. PURE MALT EXTRACT, A SIRUP FOR FOOD PURPOSES AND SOLD FOR HOME USE. PACIFIC MALT & HOPS CO. INC., Brooklyn, N. Y.
Filed April 27, 1922. Serial No. 163,001. PUBLISHED OCTOBER 30, 1923.

178,686. MONTHLY TRADE MAGAZINE CIRCULATED GENERALLY THROUGHOUT THE UNITED STATES—I. E., "THE CANDY JOBBER." MODERN CONFECTIONER PUBLISHING COMPANY, Chicago, Ill.
Filed April 15, 1922. Serial No. 162,350½. PUBLISHED OCTOBER 30, 1923.

178,687. FRESH PEARS. HOWARD REED, Marysville, Calif.
Filed March 31, 1922. Serial No. 161,579. PUBLISHED OCTOBER 16, 1923.

178,688. LINEN GOODS, HANDKERCHIEFS, AND HOUSEHOLD OR DOMESTIC GOODS. IRELAND BROS. INC., New York, N. Y.
Filed March 25, 1922. Serial No. 161,256. PUBLISHED OCTOBER 23, 1923.

178,689. FABRICS OF SILK. COUDURIER, FRUCTUS & DESCHER, Lyon, France.
Filed August 10, 1921. Serial No. 151,613. PUBLISHED OCTOBER 30, 1923.

178,690. CANDY. WEBERS, Milwaukee, Wis.
Filed February 25, 1922. Serial No. 159,826. PUBLISHED OCTOBER 23, 1923.

178,691. PARTS OF MOTOR VEHICLES. H. G. JOHN FRANE, doing business as Auto Parts Company, Houston, Tex.
Filed February 24, 1922. Serial No. 159,749. PUBLISHED NOVEMBER 6, 1923.

178,692. MEDICINE USED AS AN ANTISEPTIC AND MOUTH WASH. JOHN W. ROGERS, doing business as Sanateva Research Co., Washington, D. C.
Filed October 11, 1923. Serial No. 186,858. PUBLISHED NOVEMBER 13, 1923.

178,693. CAKE. R. B. WARD & Co. INC., Los Angeles and Piedmont, Calif.
Filed May 22, 1923. Serial No. 180,995. PUBLISHED SEPTEMBER 11, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

178,694. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SIDNEY MACHINE TOOL COMPANY, Sidney, Ohio. Filed Oct. 22, 1923. Serial No. 187,855.

SIDNEY

Particular description of goods.—Band Saws, Saw Tables, Joiners, Wood Lathes, Shapers, Swinging Saws, Mortisers, Tenoners, Wood-Boring Machines, Wood Planers and Surfacers, and Engine Lathes.
Claims use since 1907.

178,695. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 10, 1923. Serial No. 186,788.



Particular description of goods.—Metal Polishes.
Claims use since 1912.

178,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRS. KOSTER & SON, New York, N. Y., assignor to Koster Butter & Eggs Co., Inc., New York, N. Y., a Corporation of New York. Filed July 12, 1923. Serial No. 183,116.

CERTIFIED EGGS

Particular description of goods.—Eggs.
Claims use since 1918.

178,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB COMPANY, Chicago, Ill. Filed Apr. 7, 1923. Serial No. 178,788.

MOUNT VERNON

Particular description of goods.—Coffee.
Claims use since Sept. 21, 1905.

178,698. (CLASS 32. FURNITURE AND UPHOLSTERY.) AARON ORANSKY, doing business as United Chair Seat & Novelty Co., Brooklyn, N. Y. Filed Mar. 15, 1923. Serial No. 177,509.

UNITED
"FAST-UNDER"
SEAT

Particular description of goods.—Chair Seats.
Claims use since June, 1922.

178,699. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 176,124.

Heller's
REG. U.S. PAT. OFF.

Particular description of goods.—Metal Polishes.
Claims use since 1894.

178,700. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERMAN CAKE CORPORATION, Cleveland, Ohio; Detroit, Mich.; St. Paul and Minneapolis, Minn.; and Chicago, Ill. Filed Nov. 16, 1922. Serial No. 172,091.

Butter Cream

Particular description of goods.—Cakes, Cookies, and Fried Cakes.
Claims use since on or about Dec. 1, 1917.

178,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERMAN CAKE CORPORATION, Cleveland, Ohio; Detroit, Mich.; St. Paul and Minneapolis, Minn.; and Chicago, Ill. Filed Nov. 10, 1922. Serial No. 171,796.

JERSEY CREAM

Particular description of goods.—Cakes.
Claims use since on or about May 5, 1910.

178,702. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CLAUDE M. GARLAND, Chicago, Ill. Filed May 5, 1922. Serial No. 163,391.

No-Jolt
SPRING CHECKS

Particular description of goods.—Shock Absorbers.
Claims use since Apr. 1, 1920.

178,703. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PLOUGH CHEMICAL COMPANY, doing business as the Ever-Ready Company, Memphis, Tenn. Filed July 18, 1922. Serial No. 167,053.

Ever-Ready

Particular description of goods.—Metal Polish.
Claims use since about June 26, 1922.

178,704. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WM. POWELL CO., Cincinnati, Ohio. Filed Nov. 17, 1923. Serial No. 188,496.

POWELL
PETROL

Particular description of goods.—Throttle Valves.
Claims use since Apr. 13, 1922.

178,705. (CLASS 39. CLOTHING.) TOBIAS SIMON, McKeesport, Pa. Filed Oct. 29, 1920. Serial No. 138,960.

"Make Me Prove It"
Simon's

Particular description of goods.—Coats, Vests, Trousers, and Neckties for Men; Coats, Vests, Trousers, and Caps for Boys.
Claims use since Apr. 1, 1912.

178,706. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUTLER AUTOMOTIVE STEEL CO., Easton, Pa. Filed Jan. 27, 1922. Serial No. 158,516.

Butler

Particular description of goods.—Automobile Shafts.
Claims use since April, 1919.

178,707. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACME APPARATUS COMPANY, Cambridge, Mass. Filed Oct. 26, 1923. Serial No. 187,501.

KLEERSPEAKER

Particular description of goods.—Loud-Speaking Telephones and Loud Speakers.
Claims use since about Oct. 1, 1922.

178,708. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SELFLOCK NUT AND BOLT COMPANY, INC., East Syracuse, N. Y. Filed Oct. 23, 1923. Serial No. 187,390.

SELFLOCK

Particular description of goods.—Bolts and Nuts.
Claims use since September, 1921.

178,709. (CLASS 12. CONSTRUCTION MATERIALS.) DORICO SLATE COMPANY, New York, N. Y. Filed Oct. 31, 1923. Serial No. 187,729.

METTOWEE

Particular description of goods.—Structural and Ornamental Stone and Flagging.
Claims use since Dec. 15, 1921.

178,710. (CLASS 2. RECEPTACLES.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 10, 1923. Serial No. 186,789.



Particular description of goods.—Empty Pasteboard and Wooden Boxes; Empty Pasteboard, Fiber, and Wooden Cases; Empty Paper and Pasteboard Cartons; Empty Paper, Pasteboard, and Tin Packages; Empty Paper, Pasteboard, Tin, Fiber, Wooden, and Metal Containers.
Claims use since 1900.

178,711. (CLASS 2. RECEPTACLES.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 10, 1923. Serial No. 186,787.



Particular description of goods.—Empty Fiber, Wood, and Metal Barrels; Empty Fiber, Wood, and Metal Drums; Empty Pasteboard and Wooden Boxes; Empty Pasteboard, Fiber, and Wooden Cases, Paper and Pasteboard Cartons; Empty Paper, Pasteboard, and Tin Packages; and Empty Paper, Pasteboard, Tin, Fiber, Wooden, and Metal Containers.
Claims use since 1912.

178,712. (CLASS 37. PAPER AND STATIONERY.) ARKWRIGHT FINISHING COMPANY, Providence, R. I. Filed Oct. 5, 1923. Serial No. 186,579.

ARKWRIGHT

Particular description of goods.—Tracing Cloth.
Claims use since Nov. 23, 1921.

178,713. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LEO KRAUSS, Indianapolis, Ind. Filed Oct. 1, 1923. Serial No. 186,480.

LABAHAMA

Particular description of goods.—Artificial Pearls.
Claims use since Feb. 15, 1921.

178,714. (CLASS 39. CLOTHING.) GOODENOW TEXTILES COMPANY, Kansas City, Mo. Filed Sept. 28, 1923. Serial No. 186,322.

Goodknit

Particular description of goods.—Textile-Fabric Underwear and Men's, Women's, and Children's Hosiery.
Claims use since about Jan. 1, 1911, on underwear; since about Jan. 1, 1918, on hosiery.

178,715. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID A. MCDILL, Sterling, Kans. Filed Sept. 27, 1923. Serial No. 186,284.

McDILL'S

Particular description of goods.—A Preparation for Use in the Treatment of Piles.
Claims use since September, 1915.

178,716. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DU CHARME ELECTRICAL MANUFACTURING CO., Cleveland, Ohio. Filed Sept. 27, 1923. Serial No. 186,273.

Du Charme

Particular description of goods.—Electric Cooking Appliances—Namely, Portable and Stationary Molds for Making Staple and Novelty Foods.
Claims use since September, 1922.

178,717. (CLASS 39. CLOTHING.) MAURICE GROSS, Philadelphia, Pa. Filed Sept. 24, 1923. Serial No. 186,126.

Gross

Particular description of goods.—Wearing Apparel for Women, Comprising Dresses, Coats, and Suits of Textile Fabric, and Women's Knitted Underwear and Hosiery.
Claims use since on or about July 1, 1914.

178,718. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 15, 1923. Serial No. 185,838.

DUO JACK

Particular description of goods.—Jacks for Radio Telephone and Telegraph and Similar Purposes.
Claims use since Nov. 22, 1922.

178,719. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HASLER MANUFACTURING COMPANY, Hampton, Iowa. Filed Sept. 10, 1923. Serial No. 185,582.

HASLER'S
SURE SHOT
PILE
TREATMENT

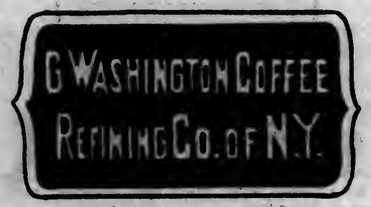
Particular description of goods.—Pile Remedy.
Claims use since June, 1916.

178,720. (CLASS 39. CLOTHING.) PENDLETON WOOLEN MILLS, Pendleton, Wash. Filed Sept. 8, 1923. Serial No. 185,583.

"PENDLETON"

Particular description of goods.—Outer Coats, Trousers, and Vests, Overcoats, Work and Dress Shirts; Underwear of Knit and Textile Fabric for Men, Women, and Children; Hosiery, Bathrobes, Sweaters, and House Jackets and Coats Which are Knitted, Netted, or Woven.
Claims use since April, 1899.

178,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. WASHINGTON COFFEE REFINING CO., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,505.



Particular description of goods.—Coffee.
Claims use since June, 1911.

178,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. WASHINGTON COFFEE REFINING CO., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,504.



Particular description of goods.—Coffee.
Claims use since September, 1910.

178,723. (CLASS 37. PAPER AND STATIONERY.) KANSAS CITY PAPER HOUSE, Kansas City, Mo. Filed Sept. 5, 1923. Serial No. 185,340.

BELFAST

Particular description of goods.—Book Papers.
Claims use since 1904.

178,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED H. MENGE, doing business under the name of Menge Mfg. Co., San Francisco, Calif. Filed Aug. 8, 1923. Serial No. 184,211.



Particular description of goods.—Massaging Preparation for Burning, Sore, Tired Feet, Varicose Veins, and Congested Circulation.
Claims use since Jan. 21, 1922.

178,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHREDDED WHEAT COMPANY, Niagara Falls, N. Y. Filed Nov. 14, 1923. Serial No. 188,229.

SHREDDED WHEAT

Particular description of goods.—Biscuits or Crackers.
Claims use since Jan. 1, 1894.

178,726. (CLASS 37. PAPER AND STATIONERY.) THE TUTTLE PRESS COMPANY, Appleton, Wis. Filed June 16, 1923. Serial No. 182,117.

Paris

Particular description of goods.—Toilet Paper, Paper Napkins, Shelf Paper, Luncheon Sets, Ribbon Crepe Streamers.
Claims use since 1905.

178,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL A. FJELSTAD, Minneapolis, Minn. Filed June 16, 1923. Serial No. 182,093.

RUB-IT-IN

Particular description of goods.—Skin Preparation Useful in Any Rough, Dry Condition of the Skin, Particularly for That Condition Commonly Called "Chaps," and is Useful in Many Forms of Eczema and Dermatitis Caused by External Irritants, as Strong Soap, Excessive Use of Water, Acids, and Similar Substances, and by Exposure to Cold Weather, Wind, or the Sun's Rays and to Manual Labor and Other Similar Conditions, and for Removing Freckles and Softening and Whitening the Skin.
Claims use since May 1, 1922.

178,728. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEELIG SPECIALTIES COMPANY, New Orleans, La. Filed May 24, 1923. Serial No. 181,091.

SEECO

The Best Mattress Insurance in America

Particular description of goods.—A Mattress Protector Made of Textile Fabric Separate from the Mattress.
Claims use since May 1, 1922.

178,729. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAHLMAN AND WELLS, Grover Hill, Ohio, and Falmouth, Ky. Filed Apr. 5, 1923. Serial No. 178,635.



Particular description of goods.—Pure Natural Honey.
Claims use for not less than one year.

178,730. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINCOLN LABORATORIES, INC., Chicago, Ill. Filed Apr. 18, 1923. Serial No. 179,307.

TISSUCREME

Particular description of goods.—Cold Cream and Beauty Cream.
Claims use since November, 1922.

178,731. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WALL-KANE NEEDLE MFG. CO. INC., Brooklyn, N. Y. Filed Mar. 6, 1923. Serial No. 177,067.

JAZZ

Particular description of goods.—Phonograph Needles.
Claims use since Oct. 21, 1922.

178,732. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AYWON TOY & NOVELTY CORPORATION, New York, N. Y. Filed Dec. 19, 1922. Serial No. 173,553.



Particular description of goods.—Games, Dolls, Balls, Blocks, Toy Animals, Toy Human Figures.
Claims use since on or about July, 1920.

178,733. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NORTH CAROLINA HAND-WOVEN MANUFACTURING CO., Asheville, N. C. Filed Dec. 18, 1922. Serial No. 173,293.

North Carolina Hand-Woven

Particular description of goods.—Piece Goods of Wool, of Cotton, and of Combinations of Wool and Cotton.
Claims use since Nov. 14, 1922.

178,734. (CLASS 39. CLOTHING.) STETSON SHIRT CO. INC., New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,807.

Stetson

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Sept. 7, 1922.

178,735. (CLASS 39. CLOTHING.) ATHLETIC GARMENT & MFG. COMPANY, Chicago, Ill. Filed Nov. 23, 1922. Serial No. 172,411.

No-fade

Particular description of goods.—Bathing Suits.
Claims use since Sept. 22, 1922.

178,736. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio. Filed Nov. 11, 1922. Serial No. 171,839.

FIRST-BECAUSE THEY-LAST

Particular description of goods.—Baseball Supplies—Namely, Baseballs, Masks, Baseball-Shoe Plates, Playground Balls, Handballs, Health Balls, Mitts, Bat Bags, Body Protectors, Gloves, Athletic Pads, Sliding Pads, Picnic Balls, Indoor Balls; Football Supplies—Namely, Helmets, Footballs, Soccer Balls, Football Carriers; Tennis Supplies—Namely, Nets, Balls; Basket-Ball Supplies, Including Basket Balls, Basket-Ball Carriers; and Miscellaneous Other Articles—Namely, Striking Bags, Striking-Bag Gloves, Volley Balls, Inflatable Bladders, Knee Pads, Shoulder Pads, Elbow Pads, Tennis-Racket Covers, Boxing Ear Protectors, Football Gloves, Boxing Gloves, Handball Gloves, Leg Guards, Football Ankle Protectors, Shin Guards.
Claims use since 1915.

178,737. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LOUISVILLE ELECTRIC MANUFACTURING COMPANY, Louisville, Ky. Filed Sept. 28, 1922. Serial No. 170,030.

"GARAGE SPECIAL"

Particular description of goods.—Electric Drills, Electric Motors, and Portable Electric Tools.
Claims use since Sept. 6, 1922.

178,738. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARTHUR J. MOELLER, doing business as Moeller Battery Works, Chicago, Ill. Filed Aug. 31, 1922. Serial No. 168,932.

Moeller

Particular description of goods.—Storage Batteries.
Claims use since June 1, 1921.

178,739. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922. Serial No. 167,759.

DEPOSIT LEDGER

Particular description of goods.—Ledger Paper.
Claims use since March, 1917.

178,740. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM A. VOIGT, Toledo, Ohio. Filed Aug. 28, 1922. Serial No. 168,814.

Diamond Burs

CUT LIKE DIAMONDS

No claim being made to the word "Burs" aside from the mark shown.
Particular description of goods.—Dental Burs and Broaches.
Claims use since June, 1921.

178,741. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922. Serial No. 167,755.

COMMERCIAL MANIFOLD

Particular description of goods.—Thin Paper Suitable for Making Numerous Copies.
Claims use since March, 1919.

178,742. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STOWE & WOODWARD COMPANY, Newton and Newton Upper Falls, Mass. Filed July 26, 1922. Serial No. 167,433.

Ebonite
THE BALL THAT ROLLS RITE

Particular description of goods.—Bowling Balls.
Claims use since May 15, 1922.

178,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 24, 1921. Serial No. 154,505.

Cashmere

Particular description of goods.—Dyes and Dyestuffs.
Claims use since about Oct. 17, 1904.

178,744. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed June 3, 1921. Serial No. 148,621.

KHIVA-FUR

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats.
Claims use since Jan. 18, 1921.

178,745. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ERWIN COTTON MILLS CO., West Durham, N. C. Filed Sept. 22, 1920. Serial No. 137,456.

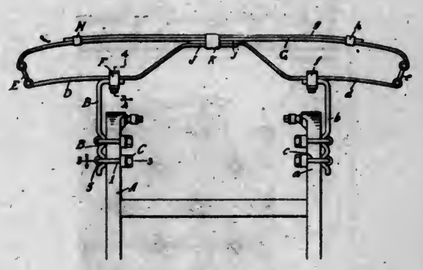
PEERLESS

Particular description of goods.—Denims in the Piece.
Claims use since Mar. 3, 1908.

REISSUES

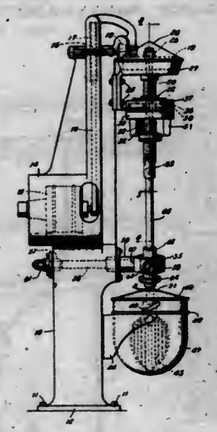
JANUARY 15, 1924.

15,745. WHEEL FENDER. ALEXANDER M. HUDSON, New York, N. Y. Filed Sept. 21, 1923. Serial No. 644,139. Original application filed Jan. 29, 1919, Serial No. 273,703. Renewed Mar. 16, 1921, Serial No. 452,722. Original No. 1,393,020, dated Oct. 11, 1921. 11 Claims. (Cl. 293—55.)



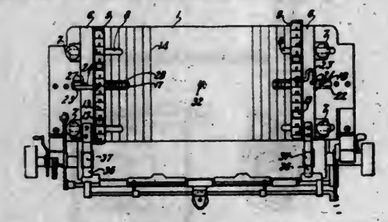
6. In a wheel fender, the combination with fender supports, of a main buffer front spring, a rear auxiliary spring, shackles pivotally connecting the outer ends of the main and rear springs and spacing the said ends apart.

15,746. BEATER. FREDERICK WESTERMAN, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 677,190. Original No. 1,438,281, dated Dec. 12, 1922, Serial No. 534,301, filed Feb. 6, 1922. 6 Claims. (Cl. 259—102.)



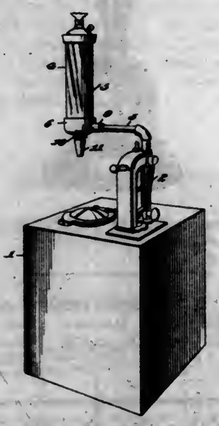
1. In apparatus of the class described, an operating shaft capable of simultaneous rotation and revolution, and a paddle shaft operatively connected to said operating shaft by a flexible joint.

15,747. COLLATING DEVICE FOR TYPEWRITERS AND ADDING MACHINES. JOHN A. WHEERY, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 4, 1921. Serial No. 475,121. Original No. 1,336,453, dated Apr. 13, 1920, Serial No. 289,120, filed Apr. 10, 1919. 35 Claims. (Cl. 197—127.)



1. In a machine of the class described, the combination with a rotatable platen and a traveling carriage, of a collating board associated therewith, said board having deformable supporting standards, whereby the angle of inclination and the distance of the lower edge of the board from the platen may be varied.

15,748. VISIBLE DISPLAY ATTACHMENT FOR MEASURING PUMPS. WILLIAM S. TOWNSEND and FRANK E. DOUGLASS, Rochester, Pa. Filed Nov. 14, 1923. Serial No. 674,774. Original No. 1,450,994, dated Apr. 10, 1923, Serial No. 567,836, filed June 12, 1922. 5 Claims. (Cl. 221—67.)

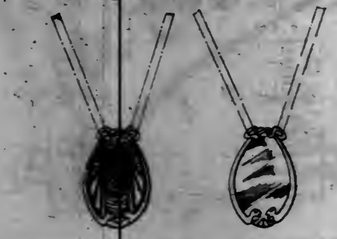


5. A visible display attachment for pumps, comprising a visible container having an inlet in its bottom for connecting it with the discharge side of a pump and an outlet also in the said bottom having a restricted passage of less cross sectional area than said inlet, and a normally closed vent valve in the upper end of the container which, when opened, will first allow the liquid retarded at the restricted outlet to rise and fill the container for display purposes and which, when closed, will cause the liquid to be held in the container while liquid is being forced by the pump from the inlet to the outlet for dispensing purposes.

DESIGNS

JANUARY 15, 1924.

63,765. PENDANT MIRROR. ILDEBERTO J. ALVAREZ, New York, N. Y. Filed May 29, 1923. Serial No. 6,315. Term of patent 3½ years.



The ornamental design for a pendant mirror, as shown.

63,766. COMBINED CLOCK CASE AND ELECTRIC LAMP. LOUIS BALDINGER, Brooklyn, N. Y. Filed Aug. 3, 1923. Serial No. 6,939. Term of patent 7 years.



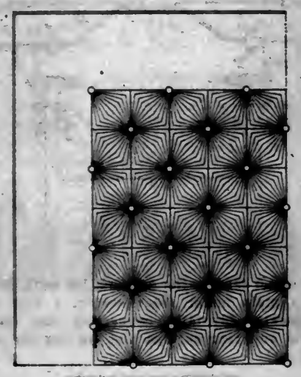
The ornamental design for a combined clock case and electric lamp as shown.

63,767. VEHICLE TIRE TREAD OR SIMILAR ARTICLE. ARTHUR B. BAUMAN, Akron, Ohio. Filed June 28, 1922. Serial No. 2,875. Term of patent 14 years.



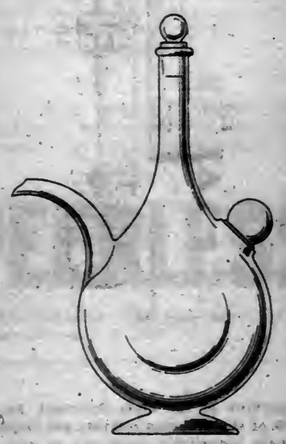
The ornamental design for a vehicle tire tread or similar article, as shown.

63,768. RUBBER BATH MAT. ALFRED BENEDEK, New York, N. Y. Filed July 12, 1923. Serial No. 6,769. Term of patent 7 years.



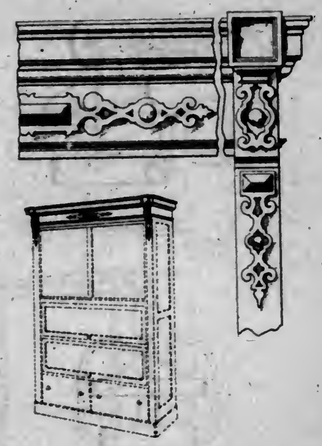
The ornamental design for a rubber bath mat, as shown.

63,769. DECANTER. PETER BIANCO, New York, N. Y. Filed Sept. 15, 1922. Serial No. 3,732. Term of patent 7 years.



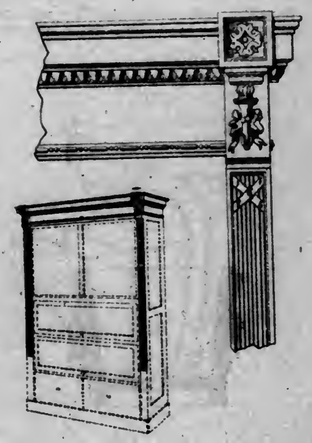
The ornamental design for a decanter as shown.

63,770. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 14. Term of patent 14 years.



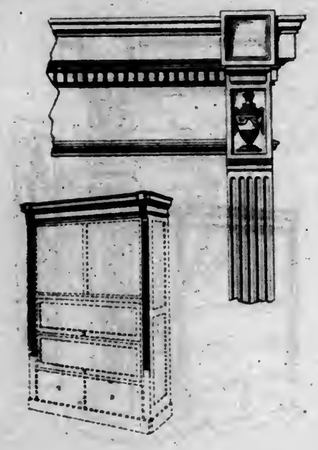
The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,771. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 15. Term of patent 14 years.



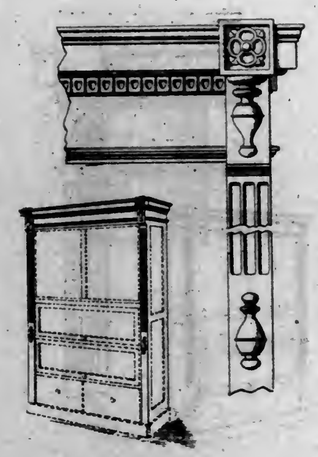
The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,772. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 16. Term of patent 14 years.



The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,773. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 17. Term of patent 14 years.



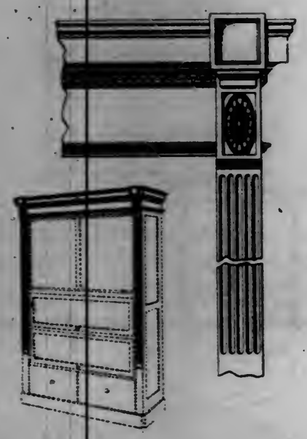
The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,774. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 18. Term of patent 14 years.



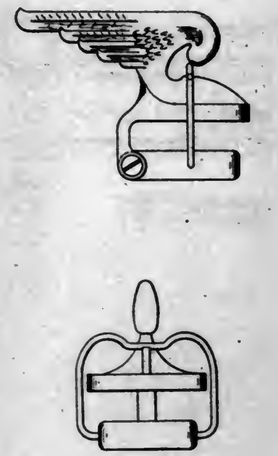
The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,775. COMBINATION CORNICE AND PILASTER FOR STORE FURNITURE. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 3, 1922. Serial No. 19. Term of patent 14 years.



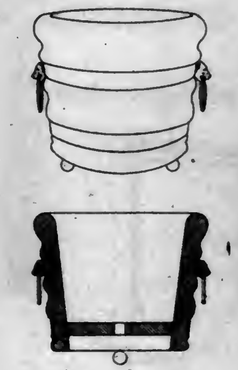
The ornamental design for a combination cornice and pilaster for store furniture, substantially as shown.

63,776. RADIATOR CAP. FRANK E. CHRISTENSEN, Necedah, Wis. Filed Oct. 11, 1923. Serial No. 7,478. Term of patent 7 years.



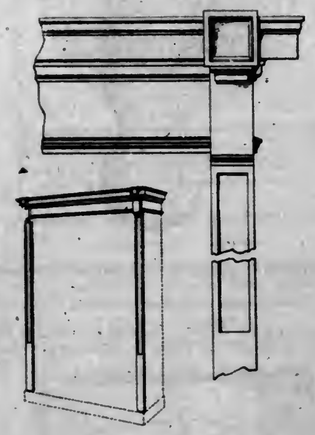
The ornamental design for a radiator cap, as shown.

63,777. FLOWERPOT. PETER E. DE YOUNG COOK, Brooklyn, N. Y. Filed Apr. 12, 1923. Serial No. 5,792. Term of patent 7 years.



The ornamental design for a flowerpot, as shown.

63,778. COMBINED CORNICE AND PILASTER FOR STORE FURNITURE. CHARLES C. CURTIS, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 17, 1923. Serial No. 4,908. Term of patent 14 years.



The ornamental design for a combined cornice and pilaster for store furniture, substantially as shown.

63,779. COMBINATION BOWL AND SPOON HOLDER. JOHN DEMSTADT, Wilkes-Barre, Pa. Filed Mar. 31, 1922. Serial No. 1,469. Term of patent 14 years.



The ornamental design for a combination bowl and spoon holder, as shown.

63,780. PERCOLATOR URN OR SIMILAR ARTICLE. EDWARD ALBERT FARR, Meriden, Conn., assignor to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 2, 1923. Serial No. 5,053. Term of patent 14 years.



The ornamental design for a percolator urn or similar article as shown.

63,781. TIRE. CHARLES E. FELLOWS, Trenton, N. J., assignor to Globe Rubber Tire Manufacturing Co., Trenton, N. J., a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 4,703. Term of patent 14 years.



The ornamental design for a tire, as shown.

63,782. TOY BANK. ANTHONY FOLTA, Clarkson, Nebr. Filed Mar. 6, 1923. Serial No. 5,373. Term of patent 7 years.



The ornamental design for a toy bank, as shown.

63,783. PAN FOR LIGHTING FIXTURES. RUTH LUCILLE GRIFFIN, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 27, 1922. Serial No. 1,407. Term of patent 14 years.



The ornamental design for a pan for lighting fixtures, as shown.

63,784. HUMIDIFIER. GEORGE GUNTHER, Long Beach, and ADELBERT J. SEBASTIAN, Los Angeles, Calif., assignors, by direct and mesne assignments, to The Gunther Humidifier Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 6, 1920. Serial No. 349,816. Term of patent 3½ years.



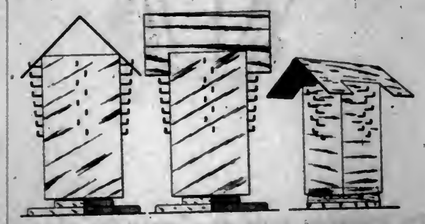
The ornamental design for a humidifier, as shown.

63,785. COVERED DISH. GEORGE HASSALLS, Penkhull, England, assignor to Hugh C. Edmiston, New York, N. Y. Filed Nov. 5, 1923. Serial No.o 7,683. Term of patent 3½ years.



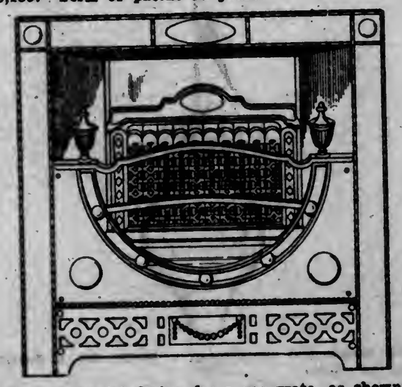
The ornamental design for a covered dish, as shown.

63,786. DISPLAY RACK. PAUL S. HENDERSON, Denver, Colo. Filed Apr. 18, 1922. Serial No. 1,827. Term of patent 3½ years.



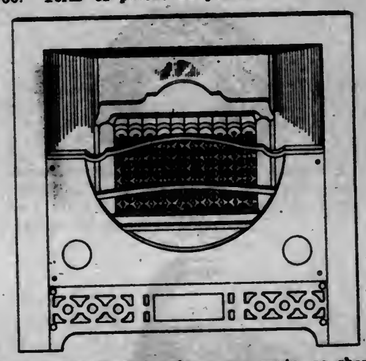
The ornamental design for a display rack as shown.

63,787. GAS GRATE. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 12, 1913. Serial No. 5,159. Term of patent 14 years.



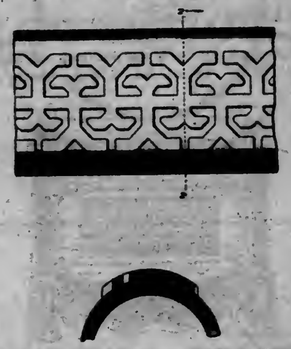
The ornamental design for a gas grate, as shown.

63,788. GAS GRATE. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 12, 1923. Serial No. 5,160. Term of patent 14 years.



The ornamental design for a gas grate, as shown.

63,789. RESILIENT TIRE. ROBERT IREDELL, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 15, 1922. Serial No. 2,262. Term of patent 14 years.



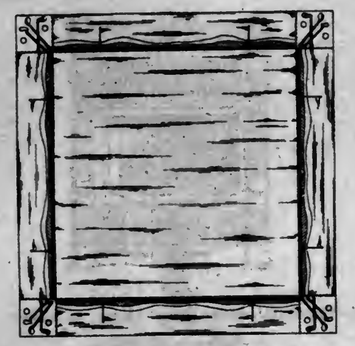
The ornamental design for a resilient tire, as shown.

63,790. WALL BRACKET FOR LIGHTING FIXTURES. GEORGE J. KLEIN, Cleveland, Ohio. Filed Oct. 19, 1923. Serial No. 7,545. Term of patent 7 years.



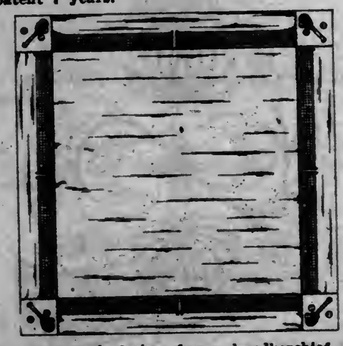
The ornamental design for a wall bracket for lighting fixtures, as shown.

63,791. HANDKERCHIEF. JACK KLEIN, New York, N. Y. Filed Oct. 9, 1923. Serial No. 7,486. Term of patent 7 years.



The ornamental design for a handkerchief substantially as shown.

63,792. HANDKERCHIEF. JACK KLEIN, New York, N. Y. Filed Oct. 9, 1923. Serial No. 7,437. Term of patent 7 years.



The ornamental design for a handkerchief substantially as shown.

63,793. SHOE. VINCENT MARTELLI, Revere, Mass. Filed July 10, 1923. Serial No. 6,748. Term of patent 7 years.



The ornamental design for a shoe as shown.

63,794. HEATER. BERTRAM L. MILLER, Cleveland, Ohio, assignor to Peerless Mfg. Company, Louisville, Ky., a Corporation of Delaware. Filed Jan. 9, 1922. Serial No. 136. Term of patent 7 years.



The ornamental design for a heater, as shown.

63,795. PLAQUE. WILLIAM PATRICK MORAN, Honesdale, Pa., assignor to T. B. Clark & Co., Inc., Honesdale, Pa., a Corporation of Pennsylvania. Filed Jan. 18, 1923. Serial No. 4,923. Term of patent 7 years.



The ornamental design for a plaque, as shown.

63,796. BOTTLE FOR A FLOATING SIGNAL. GEORGE F. MULHOLLAND, Belleville, Ill. Filed July 23, 1921. Serial No. 487,194. Term of patent 7 years.



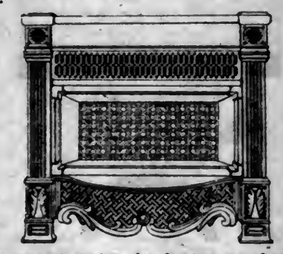
The ornamental design for a bottle for a floating signal as shown.

63,797. BALL LAMP COVER FOR LIGHTING FIXTURES. KARL NACKE, Brooklyn, N. Y., assignor to United Metal Spinning Co., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 27, 1922. Serial No. 1,404. Term of patent 3½ years.



The ornamental design for a ball lamp cover for lighting fixtures, as shown.

63,798. HEATER. FRANK A. NIEBERDING, Cleveland, Ohio, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 7,296. Term of patent 7 years.



The ornamental design for heater, as shown.

63,799. DIRECTION SIGNAL. STEPHEN B. NOWAK, Buffalo, N. Y. Filed Apr. 14, 1922. Serial No. 1,767. Term of patent 14 years.



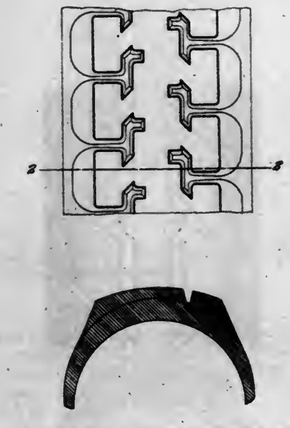
The ornamental design for a direction signal, as shown.

63,800. PLATE OR SIMILAR ARTICLE. HARRY OAKES, Wolstanton, England, assignor to William S. Pitcairn Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 5,624. Term of patent 3½ years.



The ornamental design for a plate or similar article as shown.

63,801. TIRE TREAD. MEYER PARMET, New York, N. Y., assignor to Dragon Tire & Rubber Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1922. Serial No. 4,654. Term of patent 14 years.



The ornamental design for a tire tread as shown.

63,802. COMBINED TABLE AND LAMP. EDWARD C. PELKEY, Portland, Me. Filed Sept. 21, 1923. Serial No. 7,285. Term of patent 7 years.



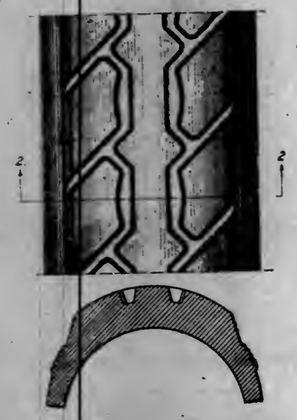
The ornamental design for combined table and lamp as shown.

63,803. FLOWERPOT. GEORGE REASNER, New York, N. Y. Filed June 10, 1923. Serial No. 6,534. Term of patent 7 years.



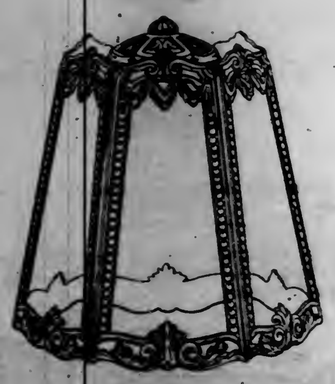
The ornamental design for a flowerpot, as shown.

63,804. TIRE TREAD. HAROLD D. REICHARD, Akron, Ohio, assignor to The Salem Rubber Company, Salem, Ohio, a Corporation of Ohio. Filed Oct. 20, 1923. Serial No. 7,617. Term of patent 14 years.



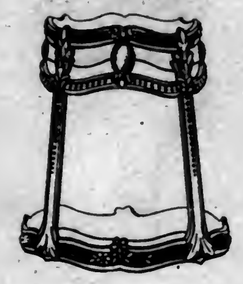
The ornamental design for a tire tread, as shown.

63,805. SHADE FOR LIGHTING FIXTURES. FREDERICK ROETTGES, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed Mar. 4, 1922. Serial No. 1,032. Term of patent 7 years.



The ornamental design for a shade for lighting fixtures, as shown.

63,806. SHADE FOR LIGHTING FIXTURES. FREDERICK ROETTGES, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed Mar. 4, 1922. Serial No. 1,036. Term of patent 7 years.



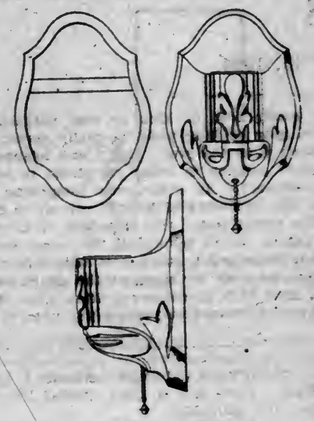
The ornamental design for a shade for lighting fixtures, as shown.

63,807. SHADE FOR LIGHTING FIXTURES. FREDERICK ROETTGES, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y., a Copartnership. Filed Mar. 4, 1922. Serial No. 1,037. Term of patent 7 years.



The ornamental design for a shade for lighting fixtures, as shown.

63,808. ELECTRIC LIGHT BRACKET. CEPHAS B. ROGERS, Danbury, Conn. Filed Mar. 31, 1923. Serial No. 5,657. Term of patent 3½ years.



The ornamental design for an electric light bracket, as shown.

63,809. HAND BAG. MAX SCHEUER, New York, N. Y. Filed Aug. 12, 1922. Serial No. 3,361. Term of patent 7 years.



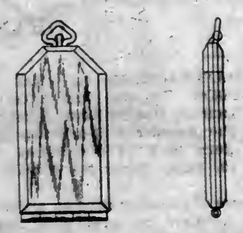
The ornamental design for a hand bag, as shown.

63,810. BADGE. JOHN J. SOMMER, North Attleboro, Mass., and JAMES O. OTIS, ELLIS W. MACALLISTER, and ALFRED B. LEMON, Providence, R. I. Filed July 14, 1923. Serial No. 6,776. Term of patent 3½ years.



The ornamental design for a badge, as shown.

63,811. DOCUMENT CASE. FRANK M. WOJCIECHOWSKI, North Attleboro, Mass., assignor to Marathon Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1923. Serial No. 5,070. Term of patent 3½ years.



The ornamental design for a document case substantially as shown and described.

63,812. DOCUMENT CASE. FRANK M. WOJCIECHOWSKI, North Attleboro, Mass., assignor to Marathon Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 21, 1923. Serial No. 5,892. Term of patent 3½ years.



The ornamental design for a document case substantially as shown and described.

63,813. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 27, 1923. Serial No. 7,609. Term of patent 7 years.



The ornamental design for a lamp as shown.

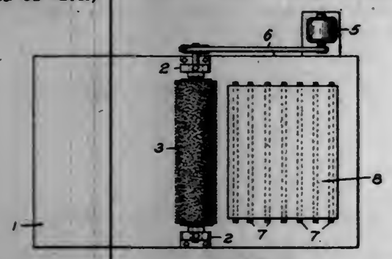
PATENTS

GRANTED JANUARY 15, 1924.

1,480,541. MANUFACTURE OF ARTICLES FROM WOVEN GOODS. THOMAS DOW AINSLIE, Metuchen, N. J., and RICHARD MARION LEVY, Brooklyn, N. Y., assignors to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed July 19, 1923. Serial No. 652,655. 12 Claims. (Cl. 2—67.)

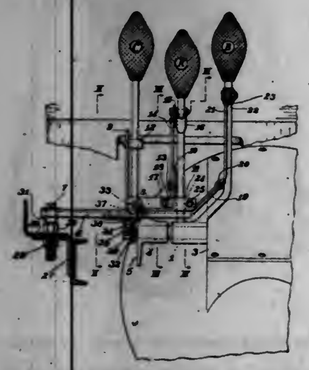
1. The process of manufacturing an article from woven fabric which consists in forming a rough oversized multiple layer article from unbleached piece goods, then bleaching and shrinking.

1,480,542. PROCESS OF POLISHING GLASS. CHRISTOPHER BROWN, Charlerol, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 7, 1919. Serial No. 336,385. 2 Claims. (Cl. 51—278.)



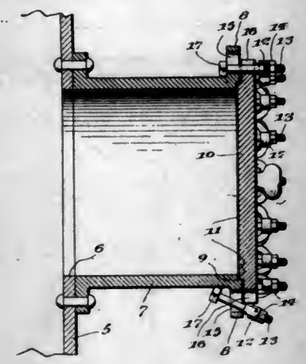
1. A process of smoothing or polishing a glass sheet which consists in rotating a brush with its axis extending transversely of the sheet and having radially extending fibers with the ends of such fibers in contact with the sheet at a high rate of speed so that the fibres engage the sheet with an impact or whipping action, and supplying an abrading or polishing material to make such action effective to smooth or polish the glass.

1,480,543. ATTACHMENT FOR GEAR-SHIFTING AND BRAKING MECHANISM. VACLAV CHUCHEL, Pittsburgh, Pa. Filed July 13, 1923. Serial No. 651,310. 8 Claims. (Cl. 74—89.)



1. In combination with the gear shifting and braking mechanism of an automobile including a brake pedal normally spring held at back or rear position, and a clutch and gear shifting pedal normally spring held at rear position with the gear "high," and adapted at its next forward position to bring the clutch to release or neutral position, of an attachment comprising a lever pivoted to the framework or body of the car on the outer side of the clutch pedal and extending transversely of the two pedals, means connecting the inner end of the lever to the brake pedal, and means carried by the lever intermediate its ends for engaging the clutch pedal and moving it from high to neutral position when the brake pedal is pressed forward and before the brake is applied.

1,480,544. CLOSURE FASTENER. ALBERT J. COX, Spokane, Wash. Filed Jan. 5, 1922. Serial No. 527,122. 2 Claims. (Cl. 220—55.)

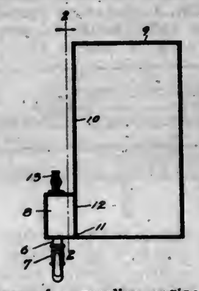


1. The combination with an element having an opening and an outstanding annular flange at the outer end of the opening; of a cover on said flanged end, said cover having edge recesses and the flange having radial slots terminating at their outer ends beyond the edge of the cover and short of the edge of the flange, bolts passing through said recesses and slots, nuts carried by the bolts, and arched clamping bars slidably mounted on the bolts beneath the nuts for engagement by the latter to force the ends of said clamping bars against the cover.

1,480,545. AUTOMATIC LUBRICATOR FOR GASOLINE ENGINES. THOMAS H. CUMMINGS, St. Louis, Mo., assignor of one-half to Hattie L. Cummings, St. Louis, Mo. Filed Dec. 23, 1921. Serial No. 524,434. 2 Claims. (Cl. 184—108.)

1. An automatic lubricator for gasoline engines comprising a main reservoir provided with an air tight closure on its top for the introduction of lubricant, oil passages formed in one wall thereof adjacent its bottom, an air passage formed in said wall adjacent to and above said first mentioned passages, an auxiliary reservoir formed integral with the main reservoir, said auxiliary reservoir enclosing said openings and having its bottom in the same plane as the bottom of the main reservoir, a stop cock for admitting air to the auxiliary reservoir,

a stop cock secured to the bottom of said auxiliary reservoir, a pipe secured to the last mentioned stop cock and



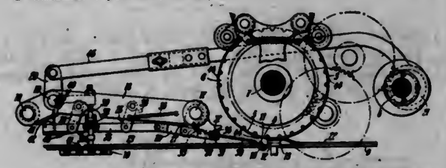
to the crank case of a gasoline engine, and a bracket for securing the main reservoir to the crank case of said engine.

1,480,546. TIMER. WILLIAM M. CUMMISKEY, Newark, N. J. Filed Sept. 24, 1919. Serial No. 326,011. 7 Claims. (Cl. 200—27.)



3. In a timer, the combination of a timer shaft and contacts disposed about the same, an insulating bushing eccentrically mounted upon the timer shaft, an annular ball bearing having the inner race ring thereof engaged on said insulating bushing and diverging contact arms engaged with the outer race ring of the bearing and provided with contacts for engagement with the contacts aforesaid.

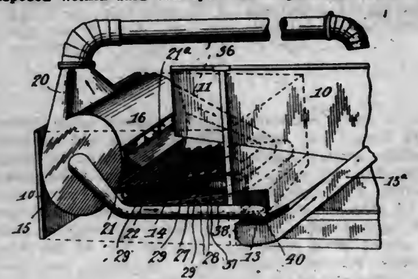
1,480,547. ADDRESSING MACHINE. FRANK DE MINICO, New York, N. Y., assignor to Pollard-Alling Manufacturing Company, New York, N. Y., a Corporation of New York. Filed July 7, 1920. Serial No. 394,517. 8 Claims. (Cl. 101—58.)



1. In a machine of the class described the combination of a series of printing plates, means for advancing said plates serially to and away from printing position, a classification printer carrying a latch, a hammer for impressing said classification printer upon an article, a trigger carried by said hammer, and means carried by one of said printing plates for bringing said latch into the path of said trigger whereby said hammer is brought into operative relation with the classification printer.

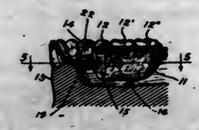
1,480,548. ATTACHMENT FOR THRASHING MACHINES. ELZEAR DORÉ, Laprairie, Quebec, Canada. Filed Jan. 27, 1921. Serial No. 440,435. 2 Claims. (Cl. 130—21.)

1. An attachment for a thrashing machine comprising an endless conveyor adapted for communication with the discharge end of the machine, a reciprocable sieve disposed within said conveyor for cooperation therewith,



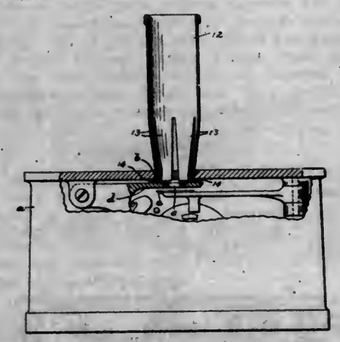
a blower adapted to draw from the upper lap of the conveyor, and means for directing a blast of air to the underside of the sieve.

1,480,549. DENTAL STRESS BREAKER. CHARLES J. EMERSON, Omaha, Nebr. Filed Mar. 6, 1923. Serial No. 623,285. 4 Claims. (Cl. 32—12.)



1. A dental stress breaker comprising a narrow tubular boxing imbedded longitudinally in a denture body and having one side flush with the lingual surface of the body as well as one end forming a lingual edge of the body, a transverse retaining pin removably seated in the boxing, and a slidable plate covering the mouth of the boxing and having a slotted portion extending into the boxing and working in its own plane on the retaining pin.

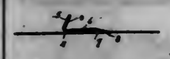
1,480,550. GUARD FOR CIGAR CUTTERS. ERNEST W. GATES, Wrentham, Mass. Filed Dec. 14, 1922. Serial No. 606,850. 4 Claims. (Cl. 131—38.)



1. A self-attaching guard for cigar-cutters, composed of a cigar-receiving tube having resilient means at one end, adapted to yieldingly engage the top plate of a cigar-cutter around the margin of a cigar-receiving orifice therein.

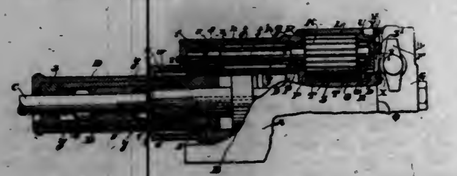
4. A self-attaching guard for cigar-cutters, composed of a cigar-receiving tube, provided at one end portion with means for slidably and yieldingly engaging the top plate of a cigar-cutter, around a cigar-receiving orifice therein, the arrangement being such that said tube is capable of a limited endwise movement to actuate a member of the cutter.

1,480,551. RULER. MARIS JOSEPH GOESEL, Alton, Iowa. Filed Sept. 28, 1922. Serial No. 591,090. 7 Claims. (Cl. 33—107.)



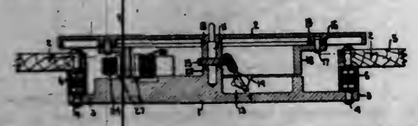
7. A ruler consisting of an elongated plate formed with flanged and unflanged ruling edges and an intermediate portion interconnecting the edges, the flange being disposed at an acute angle to the intermediate portion, and the unflanged edge portion being bent at an obtuse angle to the face of the intermediate portion opposite from the flange, and a longitudinal series of spaced studs projecting from the face of the intermediate portion opposite from the flange, and position adjacent to the flanged edge.

1,480,552. INDEPENDENT ROTATION FOR PERCUSSIVE TOOLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Apr. 7, 1922, Serial No. 550,421. Divided and this application filed Mar. 5, 1923. Serial No. 622,721. 4 Claims. (Cl. 121—7.)



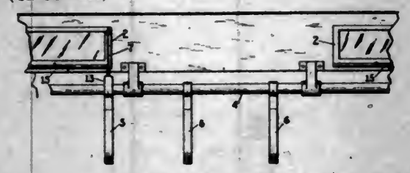
1. In a fluid actuated percussive tool, the combination of a cylinder and reciprocating piston, and a fluid pressure rotation motor mounted at the side of the rearward end of the cylinder and operatively connected to rotate the drill steel, said motor having a casing, a back head for said motor casing, rotary gears mounted in said motor casing, a sectional driving shaft having forward and rearward sections slidably coupled together, the rearward section being keyed to one of the gears, and having anti-friction bearings in the said back head and in the body portion of the cylinder, the forward shaft section having an anti-friction bearing at the forward end of the cylinder body, and a loose shaft sleeve over said shaft coupling, whereby the motor may be dismounted without removing the entire driving connections.

1,480,553. PHONOGRAPH MOTOR. EARL B. HOFF, Cleveland, Ohio, assignor to The Apex Motor Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 572,556. 6 Claims. (Cl. 172—278.)



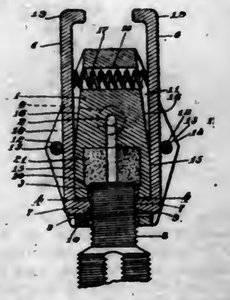
1. In a phonograph motor, a cylindrical conducting band, a magnetizable core located on one side of said band and having spaced pole pieces presented thereto, wire wound on said core between adjacent pole pieces, and a magnetizable bridge member located upon the opposite side of said band from said pole pieces and having a pole piece opposite each of said first pole pieces, corresponding portions of all of said pole pieces being magnetically shielded.

1,480,554. CAR VENTILATION. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Mar. 27, 1923. Serial No. 628,001. 5 Claims. (Cl. 98—23.)



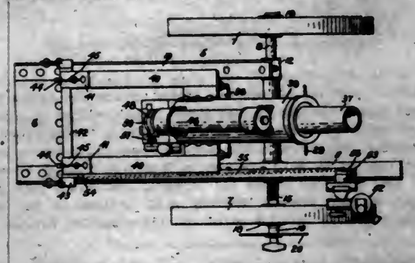
1. Car ventilating means of the character described comprising a ventilator, a hanger strap for supporting passengers, and ventilator operating means connected with and actuated by said hanger strap.

1,480,555. AIR-PUMP CONNECTION. WALTER M. INGRAM, Baltimore, Md., assignor to The Reliance Pump and Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Dec. 11, 1920. Serial No. 430,035. 3 Claims. (Cl. 285—150.)



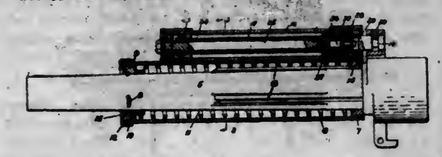
1. A tire pump hose connection consisting of a block having an air passage, means for connecting the pump hose at one end and a chamber to receive the valve tube at the other end of the passage, the block having angular surfaces at the side, gripper arms mounted to rock on said surfaces and having fingers at their ends at each side of said chamber, and a spring tending to hold the grippers in gripping position with their fingers in engagement with the valve tube.

1,480,556. SEPARABLE GUN CARRIAGE. BRYAN P. JOYCE, Davenport, Iowa. Filed Oct. 1, 1923. Serial No. 665,866. 5 Claims. (Cl. 89—40.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. A separable gun carriage including a trail, a gun cradle supported on said trail, wheels for said carriage, an axle connecting said wheels, an axle housing fast on said trail and adapted to receive said axle, cooperating means on the axle housing and axle for traversing the trail and means in said axle housing for elevating the gun.

1,480,557. GUN RECOIL MECHANISM. BRYAN P. JOYCE, Davenport, Iowa. Filed Oct. 1, 1923. Serial No. 665,867. 1 Claim. (Cl. 89—43.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



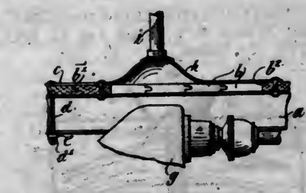
In combination, a gun barrel, a casing for said barrel, a ring in said casing surrounding said barrel, means for limiting the movement of said ring in one direction, a bearing in said casing for slidably supporting said barrel, said bearing being adapted to limit the movement of said ring in the other direction, cooperating means on said bearing and gun barrel for preventing rotation of said barrel with respect to said casing, said ring and barrel being formed with tongues and grooves, said ring being adapted to be rotated to releasably lock said barrel in said casing.

1,480,558. SHOE AND METHOD OF MAKING THE SAME. JOHN A. KELLY, Brooklyn, N. Y. Filed May 27, 1920. Serial No. 384,535. 8 Claims. (Cl. 36—22.)



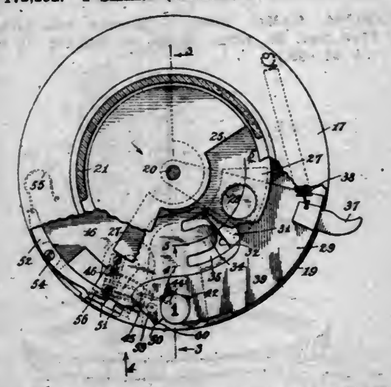
8. A single sole shoe embodying a sole provided in the top face with a channel extending from said face to a definite line from the edge and with a second channel extending from the edge inwardly of the sole and parallel to the under face thereof, a lip on the upper face joined to the edge portion of the sole and having a free edge in contact with an upper exteriorly thereof, a second lip provided on the sole at the under face thereof by said second channel, an upper the margin of which is encased within the first channel, and a seam passing through the upper and the sole in the material thereof intermediate said channels, said seam being parallel to the edge of the sole and being encased by closing the lips of said sole, one of which is closed against the upper to produce a shoulder contacting with said upper exteriorly thereof.

1,480,559. BUS BODY FOR MOTOR-PROPELLED VEHICLES. FRANK KOHLBERGER, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 8, 1921. Serial No. 513,636. 1 Claim. (Cl. 296—28.)



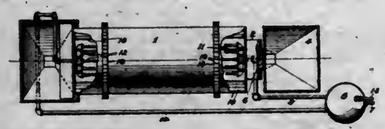
In body constructions for self-propelled motor vehicles, cross planks supported directly on the side frame members of the chassis, means to secure the planks in place on the side frame members, a well to provide clearance for the differential housing formed by sawing out an opening in the planks over the housing, a dome-shaped cover secured to the floor and completing the well, and a suitable hand rail secured to the dome-shaped cover and extending upwardly through the body and secured at its upper end to the roof to afford support thereto.

1,480,560. COIN-CONTROLLED APPARATUS. HANS K. LORENTZEN, New York, N. Y. Filed Mar. 19, 1914, Serial No. 825,753. Renewed May 24, 1921. Serial No. 472,292. 1 Claim. (Cl. 211—8.)



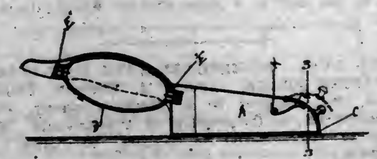
In a device of the character described, the combination of a reservoir having an opening formed in its bottom, a base comprising a top plate and upon which the reservoir is supported with its bottom in spaced relation to said top plate, a swingingly mounted flat plate movable bodily in a horizontal plane beneath the opening of the reservoir, said plate carrying a tubular downward extension which opens at the top of said plate, said tubular extension having a transverse slot formed horizontally in its wall, a trough depending from the top plate of the base and having two levels connected by an abrupt descent, said top plate of the base having an opening formed therein for the passage of the tubular member into said trough and having an integral tongue at the end of said opening which enters the slot of the tubular member at one of the limits of movement of the latter.

1,480,561. COATING GRANULES. CLAUDE P. MCNEIL, Whiting, Ind., assignor to Secretary of War of the United States of America, trustee. Original application filed Apr. 21, 1919, Serial No. 291,585. Divided and this application filed Jan. 16, 1922. Serial No. 529,789. 2 Claims. (Cl. 91—68.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a process of coating soda-lime granules, passing the granules through a spray of a solution of an oxidizing salt and agitating said granules in a spray of a solution of an oxidizing salt.

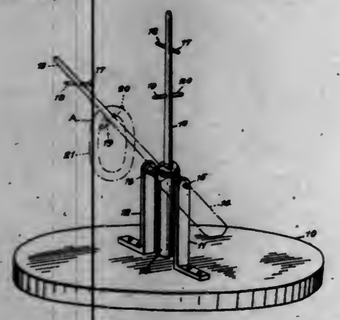
1,480,562. CRUMB COLLECTOR. HUGO MOCK, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,705. 3 Claims. (Cl. 65—20.)



1. In a crumb collector, a chamber having a longitudinal orifice, and handle at the rear of said chamber,

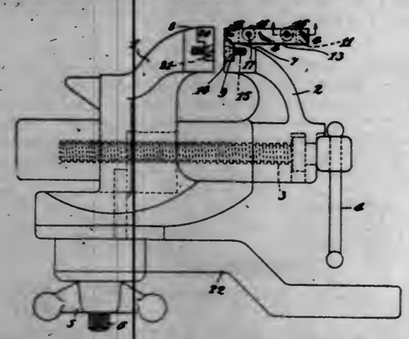
and a bulb located under said handle so that the bulb and handle may be simultaneously gripped by one hand of the operator.

1,480,563. GAME. EDWIN J. MORGAN, New York, N. Y. Filed Mar. 23, 1922. Serial No. 546,213. 3 Claims. (Cl. 46—59.)



1. A game including two closely spaced parallel upstanding brackets, a goal post between the brackets, having intermediate its ends two oppositely extending lugs pivoted to the brackets whereby the post may be swung to and from vertical positions and the portion of the post above the brackets having spaced obstructing arm members protruding laterally in relative radial directions, and a separate ring element of a diameter adapted to encircle the post and said arm members.

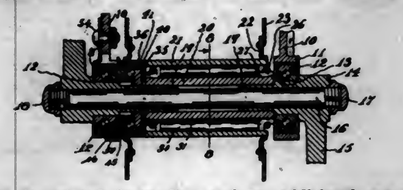
1,480,564. GUIDE FOR USE IN FILING. HARRY MORRISON, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,719. 6 Claims. (Cl. 81—38.)



1. The combination with a pair of clamping jaws movable relatively to one another to clamp a work object between them of a roller-supporting structure disposed at one side of the jaws, and a pair of rollers supported by said structure, in spaced parallelism to said jaws, the rollers projecting beyond said structure and beyond said jaws to provide a file bearing plane which limits the filing operation upon a work object held by the jaws to a plane slightly removed from the jaws.

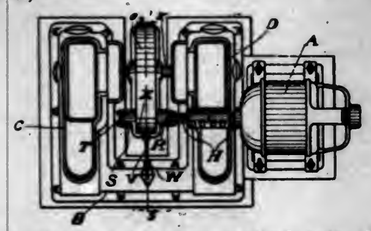
1,480,565. REVERSE-PEDALING BALL-CLUTCH COASTER BRAKE. AUGUST J. MOTTLAU, Philadelphia, Pa., assignor to A. Mecky Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1922. Serial No. 537,293. 19 Claims. (Cl. 192—6.)

1. In combination, a rotatable drive means; a driven sleeve member rotatable relative to the drive means when the latter is at rest; roller clutch means whereby the driven member is clutched to the drive means when the



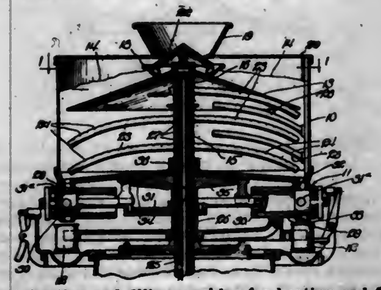
latter is rotated forwardly; and an additional means whereby the driven member is rotated backwardly.

1,480,566. GEAR DRIVE. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,284. 1 Claim. (Cl. 74—7.)



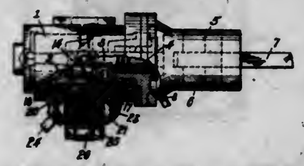
In a gear drive for direct connected power driven units and the like, the combination of a driving shaft supported at one end in stationary bearings, the outer end of the shaft being overhung beyond the bearings, a pinion on the outer end of the driving shaft, bearing sleeves on the driving shaft at each side of said pinion, a driven shaft extending parallel to the driving shaft, a gear on the driven shaft meshing with said pinion, bearing sleeves on the driven shaft at each side of said gear, a longitudinally split gear case enclosing said gear and pinion and supported at its larger end by the driven shaft on said bearing sleeves at each side of the gear, the smaller end of the gear case having outwardly extending bearing housings at each side of the pinion, and the bearing sleeves on said driving shaft being carried by said housings, a cap for closing the housing over the outer end of the driving shaft, a gland in the other housing for sealing the housing, and a distance piece supported from a stationary portion of the power unit and adjustably connected to the smaller end of said gear case for supporting the gear case to counteract torque and permit angular adjustment of the driving and driven shafts.

1,480,567. HEATING AND FILLING MACHINE. GEORGE E. PELLAM, Newark, N. Y. Filed Aug. 23, 1922. Serial No. 583,711. 14 Claims. (Cl. 99—2.)



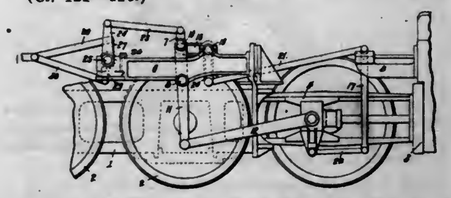
1. A heating and filling machine for heating and filling semi-fluid material, comprising a cylindrical tank rotatable about a vertical axis, means for withdrawing the heated material from the bottom of the tank and putting it in cans, a stationary material distributing and heat-retaining partition extending across said tank substantially below the level of the material in the tank, means for supplying heat to the material beneath said partition and means for delivering material to said tank above said partition.

1,480,568. FLUID-CONTROL MEANS. CHARLES J. PILLIOD, Toledo, Ohio, assignor to Daniel Searles, trustee, Toledo, Ohio. Filed June 5, 1920. Serial No. 386,849. 2 Claims. (Cl. 121—38.)



1. In a fluid control, a cylinder, a live fluid chamber having a valve seat, an inlet passage from each end of the cylinder to the valve seat, exhaust passages also leading from each end and from the central portion of the cylinder to the valve seat, and a disk valve mounted on the seat and having a pair of ports for opening communication respectively between the chamber and one or the other of the inlet passages when the valve is in a predetermined position, said valve seat also having a main exhaust passage to the atmosphere, and said valve having a recess in permanent communication with each end exhaust passage and a recess in like communication with the exhaust passage from the central portion of the cylinder, said valve recesses cooperating to place the exhaust passages for either cylinder end in series communication with the main exhaust passage when the inlet passage at the opposite cylinder end is open.

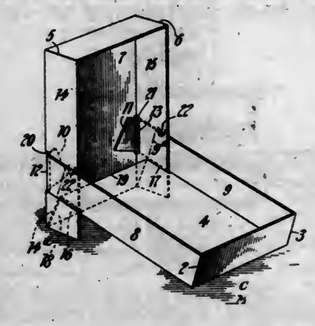
1,480,569. VALVE GEAR. CHARLES J. PILLIOD, Toledo, Ohio, assignor to Daniel Searles, trustee, Toledo, Ohio. Filed Feb. 10, 1921. Serial No. 443,742. 3 Claims. (Cl. 121—116.)



2. In a locomotive, a cross-head operated valve gear having a radius-lever, a cross-shaft, a rocker-arm connecting the cross-shaft and radius lever, a combination lever having a cross-head operated lap and lead movement and directly connected to the valve, and a connection between the cross-shaft and upper end of the combination lever for communicating valve accelerating movements thereto from radius lever actuating movements of the cross-shaft, and means for reversing the valve operating motion.

1,480,570. DISPLAY CARTON. CHARLES E. SCHODER and MAX A. TROEGER, New York, N. Y., assignors to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1921. Serial No. 502,329. 6 Claims. (Cl. 206—44.)

1. A display carton including in combination a body comprising a bottom, a front-wall and opposite side-walls, a cover adapted for closing over said body, said cover having side walls and an end wall hingedly connected to said body bottom, said cover end wall being severed from the adjacent ends of the cover side-walls respectively, whereby said cover end-wall may be folded into said cover when the carton is erected, thereby providing



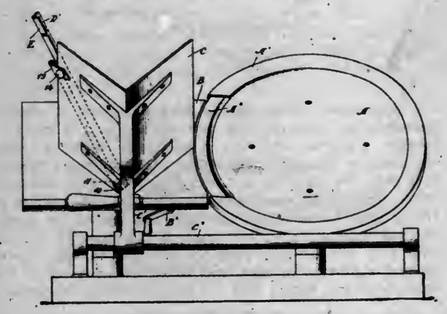
a downwardly reaching foot for elevating the adjacent end of the body, said body side-walls having ears inreaching from their rear ends respectively, and each of said cover side-walls having a slot therethrough for the reception of the adjacent body-side ear.

1,480,571. BEARING. HARRY SELKER, Cleveland, Ohio, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 2, 1922. Serial No. 591,697. 2 Claims. (Cl. 64—10.)



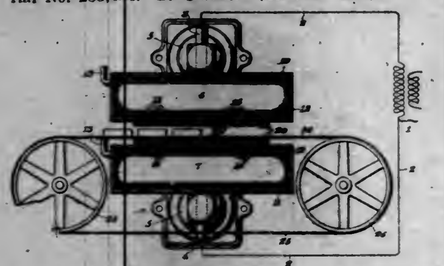
1. A removable bearing member comprising, an outer annular supporting member and an inner wearing member wedged together by complementary longitudinal non-parallel-sided projections and slots formed, respectively, upon and in said supporting and wearing members, the aggregate width of a projection and adjacent slot lying within the limits of ¼-inch and ⅜-inch; and amalgamating material securing said members together, substantially as shown and described.

1,480,572. SLICING MACHINE. PETER SIVERTSEN, New York, N. Y. Filed Apr. 18, 1922. Serial No. 555,034. 18 Claims. (Cl. 146—102.)



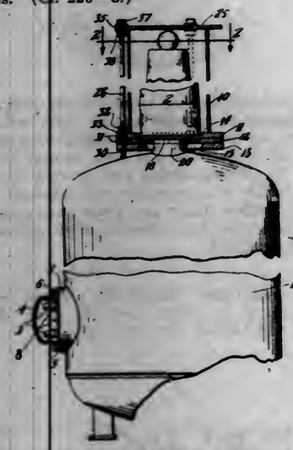
1. A slicing machine combining a cutting mechanism and reciprocative gravity feeding means for feeding the object to be sliced to said cutting mechanism, the direction of feed being variable relatively to the direction of the reciprocation.

1,480,573. APPARATUS FOR TREATING GRAIN, BEANS, ETC., BY DISRUPTIVE CONDUCTION. FRANKLIN S. SMITH, Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 27, 1919. Serial No. 285,484. 27 Claims. (Cl. 175—311.)



1. In an apparatus for treating products electrically, the combination of a transformer, a plurality of condensers, and a plurality of electrodes connected with the respective condensers, the electrodes having connection with one condenser being situated in opposed spaced relation with respect to those connected with the other condenser, and the said condensers and electrodes being arranged in series with the secondary of said transformer.

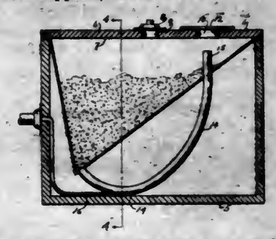
1,480,574. PROTECTIVE MEANS FOR THE LEADS OF ELECTRIC TRANSFORMERS. FRANKLIN S. SMITH, Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 2, 1922. Serial No. 540,410. 6 Claims. (Cl. 220—3.)



1. Protecting means for the lead structures of electric transformers, comprising a pipe section and a plate in contact with the outer end of said pipe section to close the same, a plurality of annular plate members in contact with the opposite end of said pipe section, said annular plates being concentrically situated with respect to the axis of the said lead structure, and means for clamping and holding said plates against the opposite ends of said pipe and for clamping one of said annular plates against a portion of said lead structure to interlock the said protecting means with the said terminal structure.

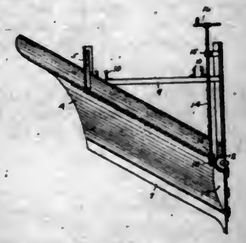
1,480,575. SPARK-PLUG CLEANER. ERNEST E. SNIDER, Wichita, Kans. Filed Dec. 11, 1920. Serial No. 430,037. 1 Claim. (Cl. 51—8.)

A device for cleaning spark plugs comprising a casing, a hopper for loose abrasive material arranged within and supported from the upper edge elements of the side and end walls of the casing and sealed with respect to the remainder of the casing; a cover for the casing, an article support through the cover of the casing at one end thereof adjacent the sloping floor of the hopper, a vent in the cover of the casing towards the opposite end thereof; a U-shaped pipe connecting to the base of the hopper and upwardly leading from the base portion of the casing through the sloping floor of the hopper to a point below the article support; blast means connecting with the



base of the said U-shaped pipe and so as to inject a flow of air in the axial direction of the flow of the abrasive material from the hopper; a screen in the vent of the proper mesh to permit escape of air and fine dust particles without permitting the escape of abrasive materials driven under air pressure from the pocket formed between the sloping floor of the hopper and its connection with the top of said casing and forced thereby to pass said screened opening prior to the action of gravity forcing the abrasive material into the bottom of the hopper.

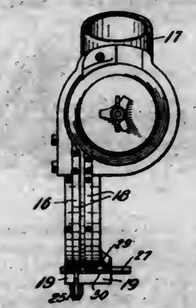
1,480,576. SNOWPLOW. OLE O. SONJU, Two Harbors, Minn. Filed Mar. 19, 1923. Serial No. 626,024. 2 Claims. (Cl. 37—50.)



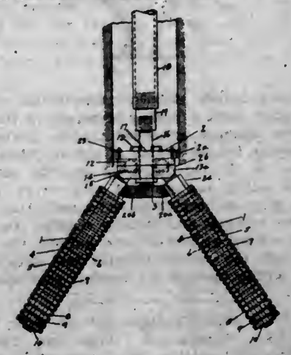
1. The combination with a snow plow of the character described having a mould board and landside sheet, of steering means at the forward end of the landside sheet for directing the course of the plow.

1,480,577. RIVET-SETTING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed June 16, 1921. Serial No. 477,967. 7 Claims. (Cl. 218—21.)

6. In a machine of the kind described, a stationary member having a downwardly extending main raceway on its outer face and terminating at the lower end thereof in a nose, said nose consisting of two plates fastened to the inner face of the stationary member with their edges spaced apart and formed with grooves in which the head of a rivet may be accommodated with its shank passing in the space between the plates, said grooves being out of registry with the main raceway, and a slide in the lower end of the stationary member movable between the lower end of the stationary member and the plates, and having a longitudinal face projecting at the outer face of the stationary member, having a rivet-guiding groove extending therethrough transversely of its length adapted to register either with the raceway or with the grooves in the spaced plates, as the slide is moved in one direction or the other, the outwardly projecting longitudinal face of the slide having a cut-out, and a detent carried by the stationary member and extending into the cut-out, said detent being movable into and out of the cut-out, the detent comprising an internally threaded tubular member passing through the stationary member with a head and a finger resting non-rotatively against the outer face of the stationary member, a screw entering the tube from the inner face of the stationary member with a flange resting rotatively against the inner face of the stationary member, and means for holding the flange against the stationary member while permitting its rotation.



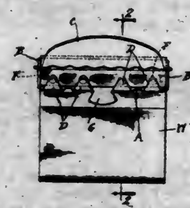
1,480,578. WELL REAMER. ELVIN TILTON, Wheeling, W. Va., assignor to himself, Joseph M. Du Bois, and Samuel G. Crow, both of Bellaire, Ohio, and C. Monroe Watson, Wheeling, W. Va. Filed Mar. 14, 1922. Serial No. 543,567. 14 Claims. (Cl. 255—76.)



1. In a reamer for oil wells and the like a plurality of pivoted cutting arms, and a rotatably mounted cam having a plurality of operating wings arranged to act upon said arms and so curved in both a horizontal and a vertical plane that the contour lines of their operating faces lie parallel to the longitudinal axis of the cutting arms in all angular positions thereof.

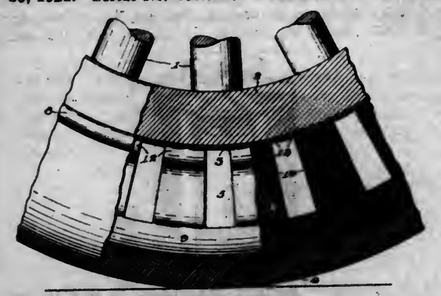
1,480,579. BUCKLE. DE VER H. WARNER and LOUIS B. LOVEJOY, Bridgeport, Conn., assignors to The Warner Brothers Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 21, 1923. Serial No. 652,884. 2 Claims. (Cl. 24—184.)

1. A buckle comprising a back plate provided with upstanding ears in which a clamping lever is pivotally mounted, the lower edge of said back plate being cut into teeth which are bent up and adapted for securing the end of a piece of webbing to said buckle, said teeth being provided at their ends with prongs adapted to penetrate said webbing, and said back plate being provided with openings which register with and are adapted to receive said prongs, the running length of the webbing passing up between the back plate and lever, thence across the



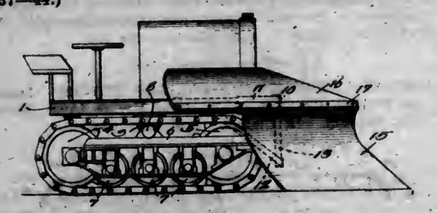
upper edge of said back plate and down, to form a loop, and thence up between said clamping lever and the secured end of the webbing.

1,480,580. TIRE FILLER. THOMAS C. WATKINS, Brooklawn, N. J., assignor to Master Tubeless Tire Corporation, a Corporation of Delaware. Filed July 30, 1921. Serial No. 488,512. 4 Claims. (Cl. 152—5.)



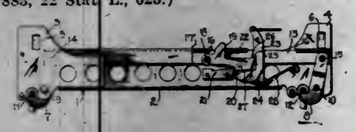
1. The combination of a vehicle wheel provided with a rim having oppositely disposed tire-retaining means, with a hollow tire casing carried by said wheel yieldingly between said means and substantially circular in cross-section, and a tire-filler comprising a circumferentially continuous body portion normally bearing uniformly against the inner surface of the road-contacting portion of the said casing, and spaced resilient integral projections extending radially from said body portion and normally bearing against the rim of the wheel, and operative to maintain said body portion and road-contacting portion of said casing in spaced relation from said rim, the laterally opposite sides of said projections being spaced from the adjacent walls of said casing, to permit the free passage of air circumferentially of said casing.

1,480,581. SNOWPLOW. ARTHUR B. WEBB, Watertown, Wis., assignor to Monarch Tractors Incorporated, Watertown, Wis., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 554,328. 5 Claims. (Cl. 37—44.)



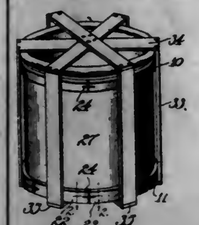
1. In a road plow, the combination with a vehicle; of a scraping blade carried by the vehicle obliquely thereof and having an upper rear portion overhanging and projecting rearwardly of and outwardly from the underlying portion of the blade.

1,480,582. BOMB RELEASE GEAR. HARRY D. WEED, U. S. Army. Filed June 7, 1919. Serial No. 302,585. 1 Claim. (Cl. 244—1.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



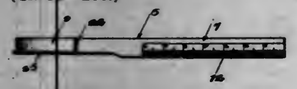
In a bomb release, a hanger, a hook pivoted to said hanger, said hook being so designed that the weight of a bomb tends to move the hook in a given direction, a stop, a bar pivoted to the hook, a sear pivoted to the bar and movable with the bar and hook, the sear normally engaging the stop to lock the hook against movement, and a trigger normally locking the sear in stop engaging position and movable to release the sear and trip the same to stop disengaged position.

1,480,583. PACKAGE FOR STONEWARE OR THE LIKE. RICHARD P. WHITE, Chicago, Ill. Filed Apr. 1, 1922. Serial No. 548,665. 6 Claims. (Cl. 217—52.)



1. A stoneware package comprising, in combination, a jar or the like having an upwardly facing circumferential shoulder adjacent its lower edge, and a protecting hoop extending about the jar above the shoulder and underneath the jar.

1,480,584. RULE. EUGENE M. WILHITE, Indianapolis, Ind. Filed Dec. 24, 1921. Serial No. 524,595. 3 Claims. (Cl. 33—200.)



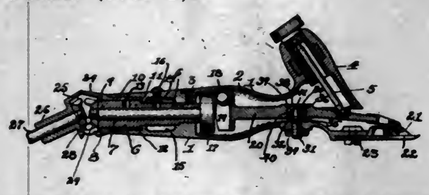
1. A rule for use by opticians comprising a single length of material having one end portion curved whereby a temple piece may be flatly engaged with the outer surface of the same, said length of material being formed along one longitudinal edge with a flange constituting a means to limit the lateral movement of the temple piece, the curved end of said length of material being formed with a second flange limiting the endwise movement of the temple piece and cooperating with the first named flange in strengthening the rule.

1,480,585. ATTACHMENT FOR GAS STOVES. JAMES G. WILKIE, Brooklyn, N. Y. Filed Dec. 9, 1922. Serial No. 605,805. 6 Claims. (Cl. 126—214.)



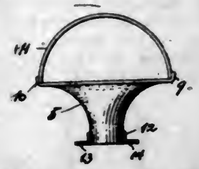
1. An attachment of the class described provided with an aperture having a downwardly and an outwardly flared wall, and a plurality of supporting members adjustably mounted in connection with said attachment and movable inwardly and radially of said aperture.

1,480,586. SHEEP SHEARS. FRANK N. L. WILLETT, Aurora, Ill. Filed July 19, 1920. Serial No. 397,319. 5 Claims. (Cl. 30—1.)



1. A fulcrum for sheep shears comprising a support and a vibrating arm provided with a rounded recess on its lower surface, in combination with a fulcrum stud on said support and extending into said recess, and a bearing member rotatably mounted on said stud and resting on said support, said bearing member having an upper portion located in said recess and shaped to conform to the curvature of the latter.

1,480,587. ELECTRIC WIRING SYSTEM. RAY C. WILSON, New York, and HARRY S. ARNOLD, Brooklyn, N. Y. Filed June 10, 1922. Serial No. 567,260. 8 Claims. (Cl. 247—3.)



1. Overhead flexible electrical distribution comprising in combination with a ceiling structure, a line of conduit or wire raceway embedded therein, providing continuous passage for the fishing of electric wires and having outlets at desired intervals opening downwardly through the ceiling and provided with covers closing the tops of the same conforming to and constituting continuations of the raceway and thereby enabling the drawing out of the wiring at any of said outlets, the insertion of wiring into the conduit through said outlets, or the feeding of wiring through the conduit past said outlets.

1,480,588. ADJUSTABLE WHEEL FOR VACUUM CLEANERS. WILLIAM J. WISE and THOMAS O. ADAMS, New Philadelphia, Ohio, assignors to The Wise-McClung Manufacturing Company, New Philadelphia, Ohio, a Corporation of Ohio. Filed Nov. 23, 1921. Serial No. 517,397. 2 Claims. (Cl. 16—19.)

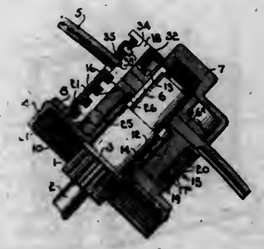


1. A castor for a vacuum cleaner or the like having an outwardly extending lug, a vertically adjustable screw located through the lug, a head upon the upper end of the screw for operating the same, a wheel swivelled upon the lower end of the screw, said lug having a horizontal tapped bore, a disk in said bore frictionally engaging the screw, a tension spring engaging the disk and an adjusting screw for adjusting the tension upon the spring.

1,480,589. CUTTING OIL. JOSEF WONDRUSCHKA and STANLY DUDA, New York, N. Y. Filed Dec. 4, 1922. Serial No. 604,746. 1 Claim. (Cl. 87—9.)

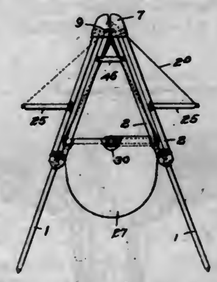
A cutting oil composed by volume of two parts of cotton seed oil, two parts of tallow, one part of plastic soap, all thoroughly mixed and boiled in two parts of water, until the resultant product resembles a thick grease, and an additional amount of hot water thoroughly mixed with said grease in the proportion of one pound of grease to three gallons of hot water.

1,480,590. PERMUTATION LOCK FOR AUTOMOBILES. GILBERT LINCOLN BAKER, Oakdale, Calif. Filed Oct. 18, 1922. Serial No. 595,249. 9 Claims. (Cl. 70—53.)



1. In an automobile steering assembly, a post having a steering wheel keyed thereto, a gear cover in which the post is journaled, a plate fastened to the cover, a core secured to the wheel hub and covering the plate fastening means, tumblers revolubly mounted on the core, a cap secured onto the outer end of the post and concealing the core securing means, and a bolt insertible through the cap and hub and into said plate, the tumblers being operable to lock the bolt after it has been inserted.

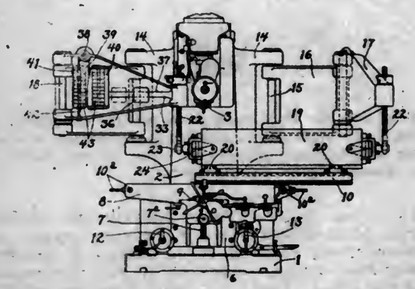
1,480,591. COLLAPSIBLE HAMMOCK. SAMUEL BAKERSEF and HARVEY H. EPSTEIN, Los Angeles, Calif. Filed Jan. 18, 1922. Serial No. 530,087. 2 Claims. (Cl. 5—128.)



1. In combination in a hammock, two pairs of legs with the legs of each pair secured together at their upper ends, and a roller shade extending between said upper ends and serving as a brace between the two sets of legs, the roller and shade being made in two sections with the roller sections releasably secured together, and a hammock body suspended from such legs.

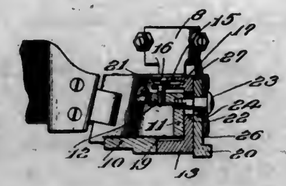
1,480,592. COUNTERBALANCING MECHANISM. LOUIS GARFIELD BAYBER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 6, 1921. Serial No. 498,834. 11 Claims. (Cl. 90—58.)

1. In a machine tool, a work supporting mechanism comprising the combination of a support, a lever fulcrumed between the ends thereof on the support and comprising a short arm and a long arm, means on the short arm of the lever for supporting a piece of work, and



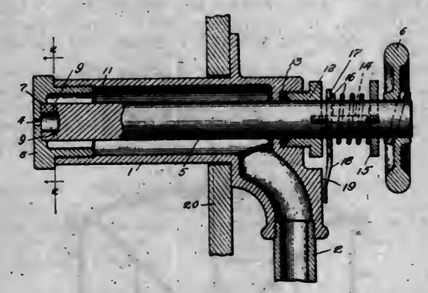
counterweight means operatively connected to the long arm of the lever and adjustable in a manner to exert either a downward or upward force on the said long arm.

1,480,593. PRESSER FOOT FOR SEWING MACHINES. JOSEPH BERGER, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1921. Serial No. 497,533. 11 Claims. (Cl. 112—235.)



1. A presser foot for sewing machines including a supporting shank, a main foot section rigidly carried thereby, an auxiliary foot section, and means for positively shifting said auxiliary section vertically up and down relative to the main foot section to various set positions.

1,480,594. SPRAY APPLIANCE. HARRY D. BINKS, River Forest, Ill. Filed Mar. 25, 1921. Serial No. 455,545. 7 Claims. (Cl. 299—119.)



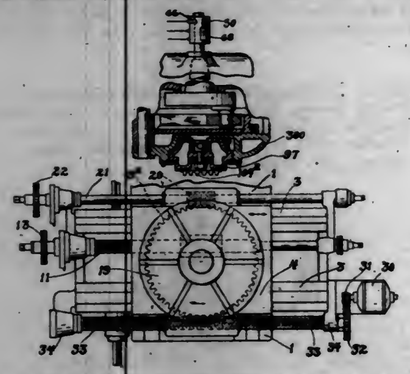
2. In a spraying appliance, a casing having an outlet and having a pair of spaced opposed longitudinal passages, a rotatable stem having a chamber extending through one end thereof and communicating with the outlet, said stem being disposed in the space between the pair of passages and having pairs of lateral ports leading directly into said chamber and adapted to be brought into register with the respective passages upon rotation of the stem.

1,480,595. WAD FOR SHOT SHELLS OR CARTRIDGES. CHARLES S. BIRD, East Walpole, Mass. Filed Mar. 3, 1920. Serial No. 363,040. 6 Claims. (Cl. 102—43.)



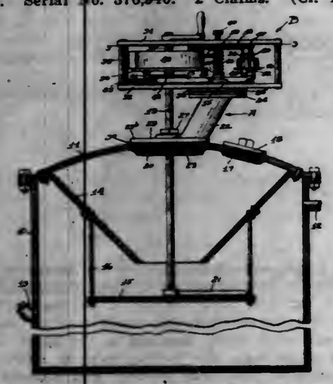
1. A wad for shot shells or cartridges comprising a plurality of plies of compressible paper secured to each other by a suitable adhesive with the external faces of the outermost plies waterproofed.

1,480,596. WORK-SUPPORT-POSITIONING MEANS FOR GEAR-GENERATING MACHINES. HAROLD L. BLOOD, North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 506,001. 10 Claims. (Cl. 90—9.)



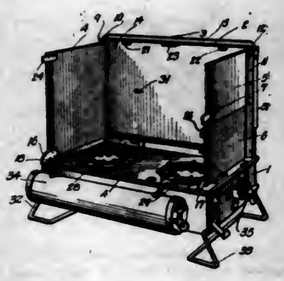
1. A metal cutting machine comprising in combination, a cutting tool, a work support, means to move said work support in opposite directions to position work carried thereby relative to said cutting tool, auxiliary means to assist in moving said support, said auxiliary means being reversible to assist in moving said support in both directions, and means to operate said auxiliary moving means to lock said support in predetermined positions during the cutting operation.

1,480,597. ACETYLENE-GAS GENERATOR. LORN CAMPBELL, Jr., Minneapolis, Minn. Filed Apr. 27, 1920. Serial No. 376,940. 2 Claims. (Cl. 48—52.)



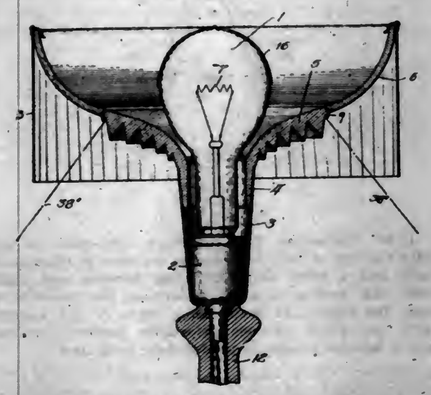
1. In a device of the class described, the combination with a generating tank of a unitary carbide feeding mechanism for said tank having communication therewith through a single opening therein, said mechanism including a motor, a feeding shaft operated thereby and reaching into the tank through said opening, a diaphragm, motor controlling means actuated by the latter, and a hollow bracket upon which said members are mounted, said bracket supplying the sole anchorage to the tank for said mechanism and serving to close the opening in said tank, also serving as a conduit between the tank and diaghragm and as a bearing for said shaft at its point of entry into the tank.

1,480,598. OVEN. WILLIAM C. COLEMAN, Wichita, Kans. Filed Mar. 24, 1923. Serial No. 627,329. 6 Claims. (Cl. 126—38.)



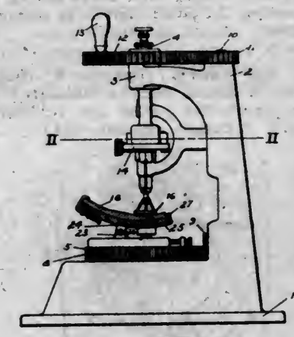
1. A stove comprising a burner-carrying case, a vertical side wall hinged to said case, end walls hinged to said side wall but offset with respect thereto to provide receiving grooves, the end walls having swinging movement toward and away from the side wall, and a combined top and side wall structure co-operating with the first side wall member and the end walls to form an oven, the combined top and side wall structure being receivable in the grooves when the oven is collapsed.

1,480,599. FLOOR LAMP. JAMES R. CRAVATH and AUSTIN M. CRAVATH, Berkeley, Calif. Filed Mar. 11, 1921. Serial No. 451,499. 14 Claims. (Cl. 240—81.)



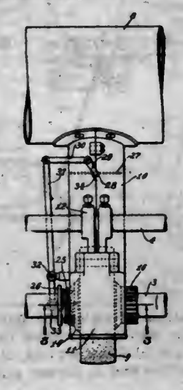
1. In a lighting unit, a glass refractor having on its outer face a series of concentric annular prisms, each prism having its laterally outward face composed of a plurality of convex annular surfaces of relatively slight transverse convexity.

1,480,600. LENS CUTTER. OCTAVE DE GRENIER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 12, 1920. Serial No. 423,667. 13 Claims. (Cl. 83—28.)



1. A bifocal lens cutter including a table, a holder pivotally supported by the table, means for securing the holder in angularly adjusted position to one side of the center of the table, a cutter disposed over the table toward the center line thereof, and means for causing relative rotary movement between the cutter and holder to effect the cutting action, substantially as described.

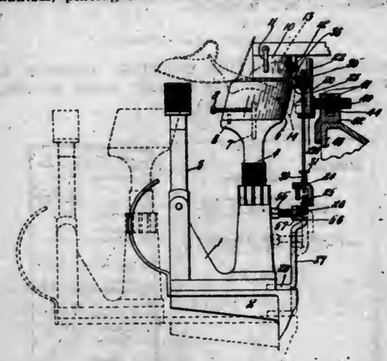
1,480,601. SHOE-FINISHING MACHINE. STEPHEN A. DOBYNE, St. Louis, Mo., assignor to Champion Shoe Machinery Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 20, 1922. Serial No. 530,550. 2 Claims. (Cl. 51—273.)



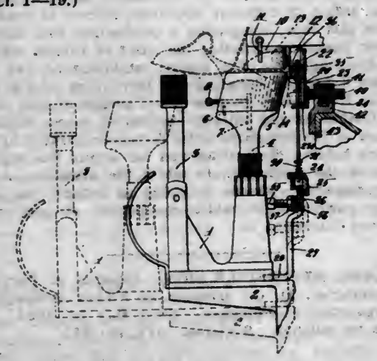
1. In a shoe finishing machine, the combination with a rotary finishing tool, its dust hood and an outlet connection therefrom, of a damper in said connection, a drive shaft on which said tool is loosely mounted, an endwise movable grooved cam sleeve between said tool and said shaft, a roll on said tool engaging the groove in said cam, and an operating connection from said sleeve to said damper.

1,480,602. METHOD FOR ATTACHING MOLDED COUNTERS TO TURN SHOES. MILTON L. DODGE, Newburyport, Mass. Filed Mar. 7, 1922. Serial No. 541,667. 8 Claims. (Cl. 12—142.)

1. That improvement in the art of fastening counters to turn shoes which comprises removing the last before the shoe is turned, placing the unturned heel portion of the shoe in inverted position over a block movable in a determined path into cooperative relation to a nailing mechanism, placing a molded counter in position on the nailing mechanism, moving the block with the shoe thereon to said nailing mechanism, and nailing the counter to the shoe sole.



1,480,603. MACHINE FOR ATTACHING MOLDED COUNTERS TO TURN SHOES. MILTON L. DODGE, Newburyport, Mass. Original application filed Mar. 7, 1922, Serial No. 541,667. Divided and this application filed Sept. 27, 1922. Serial No. 590,836. 4 Claims. (Cl. 1—19.)



1. In a nailing machine, a nailing mechanism, a jack post movable horizontally into and out of position beneath said nailing mechanism and vertically into cooperative relation therewith, and a centering gage movable vertically with said jack post and against which a shoe supported on said post is brought when said post is moved to position it beneath said nailing mechanism, to center the shoe laterally in relation to said nailing mechanism.

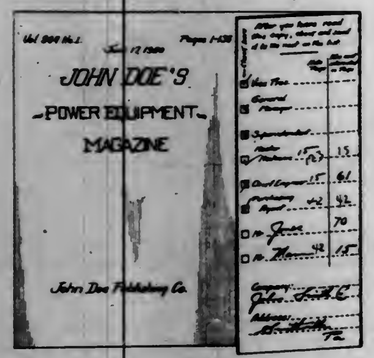
1,480,604. TERMINAL CONNECTION FOR CONDENSERS. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, a Corporation of Delaware. Filed Jan. 27, 1921. Serial No. 440,309. 6 Claims. (Cl. 250—41.)



1. A condenser stack including adjacent sections each provided with a plurality of conducting plates having terminals extending from the sides of the stack in combination with metallic members enclosing the terminals

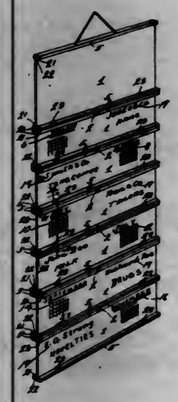
of both sections, said metallic members having a smooth rounded exterior contour at points adjacent the outer extremities of said terminals.

1,480,605. PUBLICATION ROUTING. GLENN H. EDDY, Chicago, Ill. Filed July 6, 1920. Serial No. 394,235. 7 Claims. (Cl. 283—36.)



1. Means for routing a single copy of a publication through an organization or institution and for calling the attention of different employees thereof to contents of the said copy, comprising a publication part bearing printed legends designating the titles of various officials or other employees of a typical establishment and also bearing a heading directing the forwarding of the publication from one to another of the holders of said titles, and further having suitably designated spaces adjacent to each of the respective titles for check-marking by the persons holding these titles and for noting the page or pages of the publication to which the attention of the other respective persons is called to indicate the part of the publication in which the holders of such titles are most interested in.

1,480,606. REVERSIBLE SIGN. CHARLES A. FETTERS, Washington, D. C., assignor to X-Lent Company, a Corporation of Delaware. Filed May 23, 1923. Serial No. 640,859. 8 Claims. (Cl. 40—64.)

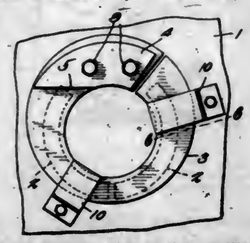


1. The combination with a reversible sign comprising a plurality of sections reversible independent of each other, of means carried by the opposite sides of the sections for receiving slides.

1,480,607. PROCESS OF TREATING AND PRESERVING CHERRIES. JOSEPH A. FORD, Brooklyn, N. Y. Filed Oct. 18, 1922. Serial No. 595,424. 6 Claims. (Cl. 99—14.)

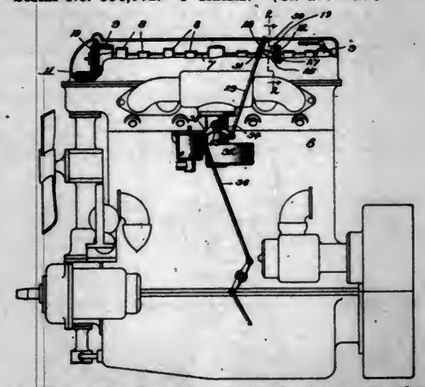
1. The process of treating and preserving cherries, which consists in chilling them before pitting, removing the pits, packing the pitted cherries in containers, and freezing them.

1,480,608. AIR VALVE. CHARLES W. GARDNER, deceased, late of Austin, Tex.; by Elizabeth F. Gardner, executrix, Austin, Tex. Filed Apr. 17, 1922. Serial No. 554,316. 6 Claims. (Cl. 251—123.)



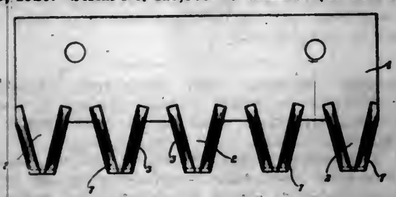
1. An air valve comprising a flat resilient split ring, fastening means secured on one end portion of the ring and providing a bending edge tangent to the inner edge of the ring.

1,480,609. INTERNAL-COMBUSTION ENGINE. CHARLES R. GREUTER, Chicago, Ill. Filed Oct. 21, 1922. Serial No. 596,072. 6 Claims. (Cl. 123—90.)



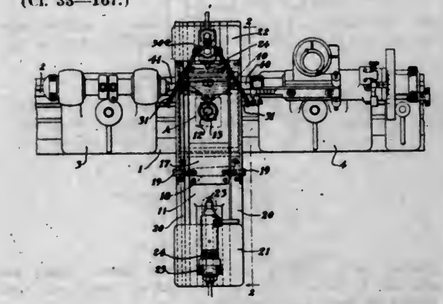
1. The combination of an engine having a cam shaft; a releasable brake serving to oppose the rotation of the cam shaft; and a mechanism serving to apply said brake when the engine idles and to release said brake at higher speeds.

1,480,610. GEAR CUTTER. JOHN HARTEN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 30, 1920. Serial No. 413,877. 7 Claims. (Cl. 29—95.)



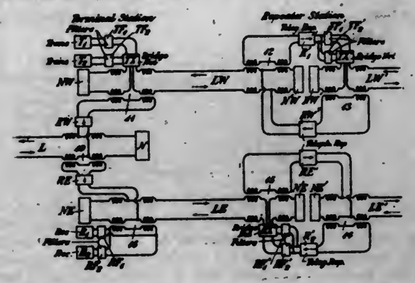
1. A metal cutting tool comprising, a body portion, a rack tooth formed thereon, the intersection of the flanks of said rack tooth and one of the faces of the tool forming cutting edges, said face adjacent said flank having a cut away portion intersecting one of the flanks of the rack tooth whereby the cutting angle of said cutting edge is reduced uniformly throughout its length.

1,480,611. MEASURING MACHINE. REUBEN HILL, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 2, 1920. Serial No. 348,094. 15 Claims. (Cl. 33—167.)



1. A device for measuring diameters of threaded bodies adapted to be applied to a measuring machine, comprising in combination, a carriage, a support for said carriage, means for adjustably attaching said support to a part of the measuring machine, ball bearing means between said carriage and support permitting a limited amount of free movement between said support and carriage, and means for adjustably mounting a specimen to be measured on said carriage in measuring position.

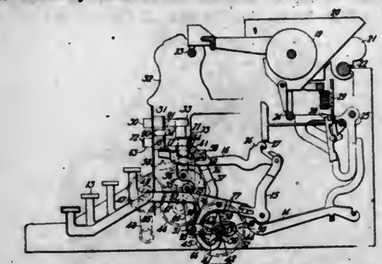
1,480,612. MULTIPLEX SIGNALING SYSTEM. HARRY W. HITCHCOCK, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 12, 1921. Serial No. 514,736. 8 Claims. (Cl. 179—4.)



1. In a multiplex transmission system, a four-wire circuit comprising two lines, over one of which telephone currents are transmitted in one direction and over the other of which telephone currents are transmitted in the other direction, and means whereby signaling currents within the voice range may be transmitted over each of said lines in a direction opposite that to which the voice currents are transmitted.

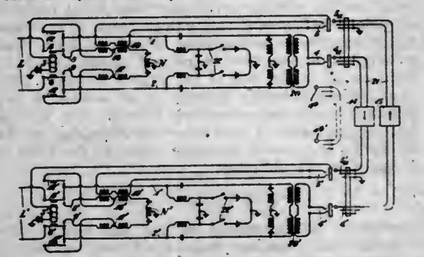
1,480,613. TYPEWRITING MACHINE. ARTHUR E. HOWELL, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 27, 1920. Serial No. 361,783. 27 Claims. (Cl. 197—118.)

1. In a typewriting machine, in combination, a plurality of leader-types, leader-type-actuating keys, means operable continuously for actuating any one of said leader-types repetitiously to type a leader across a work-sheet, but normally ineffective therefor, and selecting means



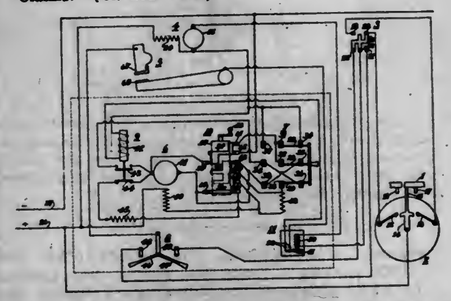
settable at will, independently of the leader-type-actuating keys, to render said actuating means effective to operate a selected type.

1,480,614. TELEPHONE REPEATER. OLIVER B. JACOBS, Morris Plains, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 18, 1919. Serial No. 331,679. 17 Claims. (Cl. 179—4.)



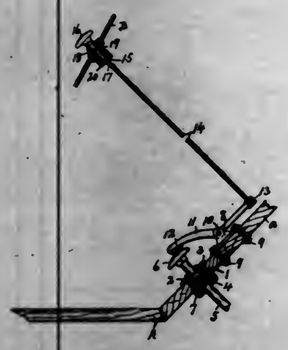
10. In combination, two telephone lines normally adapted for direct connection, a two-way two-element repeater, and means to connect said lines directly, or alternatively, through said repeater.

1,480,615. CONTROL SYSTEM FOR MACHINE TOOLS. SVEN P. JOHNSON, Philadelphia, Pa., and HARRY HARDING, Collingdale, Del., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 2, 1921. Serial No. 441,827. 17 Claims. (Cl. 172—240.)



1. In a control system, the combination comprising a feed and a control motor, means comprising a cam member operated by the control motor for closing a circuit of the feed motor, and means comprising a second cam member adjustable with respect to the cam member for closing the feed motor circuit and operated by the control motor for opening the circuit of the feed motor after a predetermined time.

1,480,616. ACCELERATING-PEDAL-OPERATING DEVICE. JOHN P. KANTAK, Manlius, N. Y. Filed Feb. 17, 1923. Serial No. 619,642. 1 Claim. (Cl. 74—39.)



The combination with a foot board, an instrument board, and an electric switch operating pedal reciprocally movable in an opening in the floor board of a forwardly and rearwardly extending lever of the first kind pivotally mounted upon the floor board and having its rear end engaging the upper face of the switch operating pedal, a hand piece reciprocally movable in an opening in the instrument board and connections between said hand piece and the rear end of said lever for operating the latter to depress the switch operating pedal as the hand piece is moved in one direction.

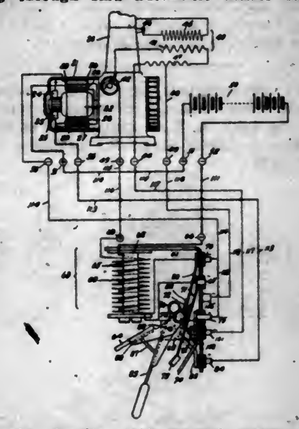
1,480,617. EXPANSIBLE SPIKE OR BOLT. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed Apr. 18, 1922. Serial No. 554,630. 2 Claims. (Cl. 85—26.)



1. An expansible fastener having a slot formed in its entering end, a wedge in said slot, and interlocking elements on said wedge and the walls of the slot holding said wedge in said slot, against outward displacement both axially and transversely.

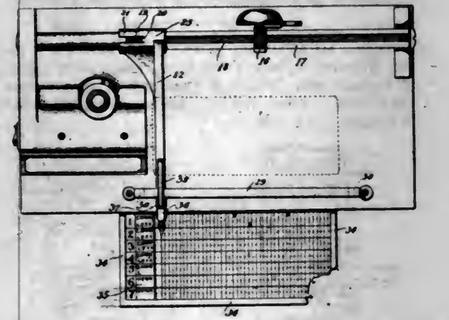
1,480,618. CONTROLLER FOR ELECTRICAL SYSTEMS. LESTER S. KEILHOLTZ, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed May 26, 1919. Serial No. 299,876. 11 Claims. (Cl. 290—35.)

10. In a controller for an engine starting and battery charging system, including an engine, a storage battery, a dynamo driven by the engine to charge the battery or operable on battery current to crank the engine, and ignition means for the engine including a primary circuit having a resistance, the combination with automatic means for maintaining closed circuits from the battery to the dynamo and ignition means; of manual means operating through said automatic means for initially



closing said circuits, said manual means being also adapted to reduce the ignition circuit resistance when moved to close said circuits.

1,480,619. CORRECTION INDICATOR FOR SOUND RECORDING AND REPRODUCING MACHINES. LOUIS Z. LA FOREST, Bridgeport, Conn., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 28, 1921. Serial No. 440,577. 16 Claims. (Cl. 274—17.)



1. In a correction device for dictating machines, correction indication means, a movable sound box carriage, an indicating member adapted to be moved to indicating position relative to the carriage, a tubular supporting guide therefor, provided with a longitudinal slot, means on the indicating member engaging the slot and permitting a limited vertical swinging movement of the indicating member, a coiled spring disposed in the tubular guide member, adapted to exert pressure on the last mentioned means to move the indicating member into relative position with the carriage, and spring-pressed releasable holding means adapted to yieldably oppose the vertical swinging movement of the indicating member and retain it stationary until released by such vertical swinging movement thereof.

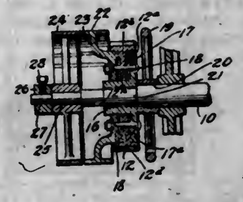
1,480,620. STONE SPREADER. JAMES L. LATTURE, Portland, Oreg., assignor to The Burch Plow Works Company, Crestline, Ohio, a Corporation of Ohio. Filed July 12, 1921. Serial No. 484,178. 9 Claims. (Cl. 94—44.)

1. A device of the character described including a hopper provided with a discharge opening, and a spreading wing connected with the hopper and inclined in a direction across said opening from one end thereof for



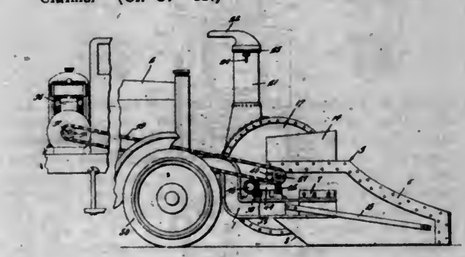
distributing all of the material issuing from said opening laterally in one direction with respect to the hopper.

1,480,621. TRANSMISSION MECHANISM FOR LOOMS. ANDREW J. LEE, Inman, S. C. Filed June 21, 1922. Serial No. 569,844. 2 Claims. (Cl. 74—7.)



1. In transmission mechanism for looms, the combination with a gear having an internal web positioned intermediate its side edges, the said web being formed with transverse openings and transversely projecting lugs, of a hub member provided with a web formed with a series of transverse openings to receive the said lugs, the said web of the hub being housed within a space bounded by one edge portion of the gear rim, and a drive pulley carried by the hub at the other side of the said gear.

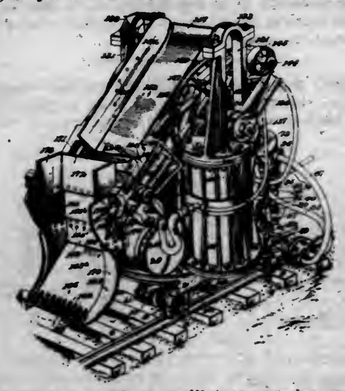
1,480,622. SNOWPLOW. MARVIN G. LEE, Alliance, Nebr. Filed Apr. 23, 1923. Serial No. 634,103. 4 Claims. (Cl. 37—43.)



1. A snow plow comprising a support; a scoop carried thereby; a suction and blower mechanism located at one side of the scoop and communicating therewith; a first conveyor operating longitudinally of the scoop; a second conveyor operating transversely of the scoop and receiving material from the first conveyor, the second conveyor discharging into the suction and blower mechanism; and means for operating the conveyors.

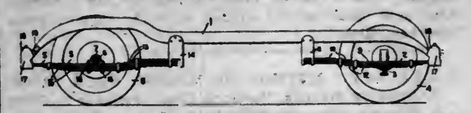
1,480,623. AUTOMATIC FLUID-PRESSURE-OPERATED MACHINE SHOVEL. AUGUST G. LIEBMANN, Chicago, Ill. Filed July 7, 1919. Serial No. 309,053. 92 Claims. (Cl. 214—90.)

1. In a shoveling machine, a chute, a shovel supported for oscillatory movement with relation to the receiving end of the chute and having its entering portion located, in the loading position of the shovel, below the plane of the bottom of the chute, and fluid-pressure means including a piston coacting directly with the shovel to



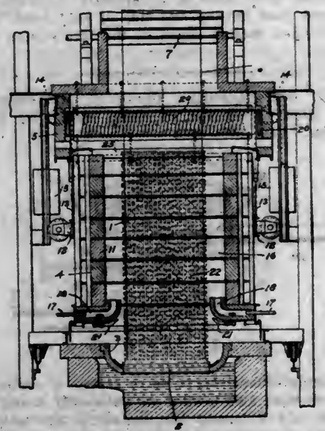
operate the same with an oscillatory scooping movement independently of the chute to accumulate a load of the material to be handled.

1,480,624. SPRING CONSTRUCTION FOR VEHICLES. RALPH M. LOVEJOY, Meredith, N. H. Filed Aug. 4, 1919. Serial No. 315,051. 10 Claims. (Cl. 267—54.)



1. In combination with a vehicle comprising a frame and an axle, a spring comprising a long leaf having superimposed upon one end a plurality of progressively shorter leaves rigidly secured together and to the frame and upon the opposite side of the leaf intermediate of its ends a series of progressively shorter leaves secured together and to said axle and means including a universal joint connecting the other end of said long leaf to the end of the frame.

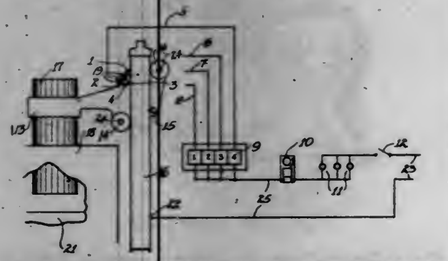
1,480,625. APPARATUS FOR DRAWING SHEET GLASS. ROBERT A. MILLER, Creighton, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 11, 1922. Serial No. 593,721. 4 Claims. (Cl. 49—17.)



4. In apparatus for drawing sheet glass from a bath of molten glass, means for drawing a sheet upwardly from

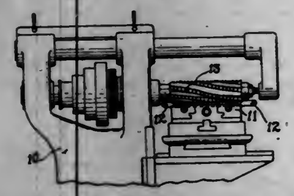
the bath, temperature equalizing means in the form of a flexible open work curtain surrounding the sheet and extending upwardly from the bath, a leer casing surrounding the curtain, and means for applying heat to the interior of the casing.

1,480,626. ELECTRIC-FURNACE SIGNAL. WALTER W. MIRON, Oakland, Calif. Filed July 3, 1919. Serial No. 308,604. 2 Claims. (Cl. 177—311.)



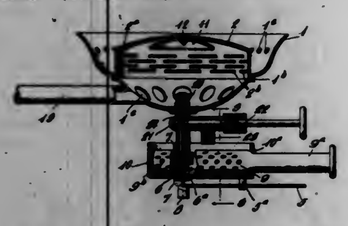
2. In an electric furnace, the combination with a movable electrode; of a supporting arm carrying said electrode, a support on which the arm is slidable and also free to tilt upon contact of the electrode with an obstruction, an electro-responsive signal device, an energizing circuit for said device grounded on the aforesaid support, and a switch blade carried by the aforesaid arm, said blade making contact with the support when said arm tilts.

1,480,627. METHOD OF MAKING HACK SAWS. FRIEDERICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 31, 1921. Serial No. 526,120. 5 Claims. (Cl. 76—25.)



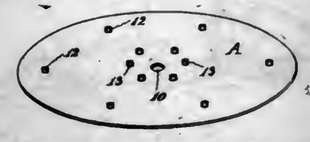
1. The process of forming hack-saw blades comprising first milling both sides of a plurality of teeth of the blades, and then milling one side of said teeth to form sharply defined cutting edges at the intersection of said sides.

1,480,628. OIL BURNER. CLYDE W. MUMMERY, Richmond, Mich. Filed Nov. 27, 1922. Serial No. 603,557. 3 Claims. (Cl. 158—68.)



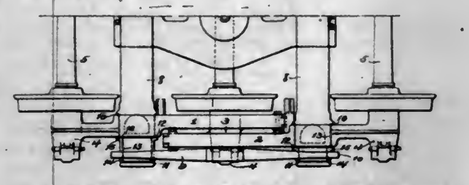
1. A burner comprising a valve casing, a cupper body mounted thereon and having an outwardly flared perforated rim, and a burner cap seated in the body, said cap having a depending slotted flange, the body having air holes therein below the cap.

1,480,629. YIELDABLE SUPPORT FOR PHONOGRAPH RECORDS. JAMES G. NOLEN, New York, N. Y. Filed Sept. 29, 1921. Serial No. 504,227. 6 Claims. (Cl. 274—39.)



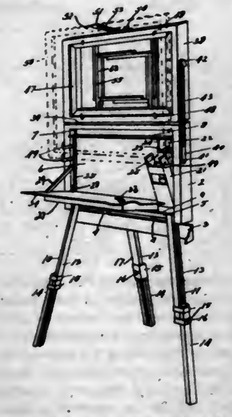
1. A record support comprising, a base member, and a plurality of cupped projections extending upwardly from the base member, said projections constituting zones of yieldable support for rotation of a record by a phonograph turntable.

1,480,630. CAR TRUCK OF THE SIX-WHEEL OR THREE-AXLE TYPE. CLAUDE L. ORR and GEORGE T. JOHNSON, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Jan. 18, 1923. Serial No. 613,440. 6 Claims. (Cl. 105—195.)



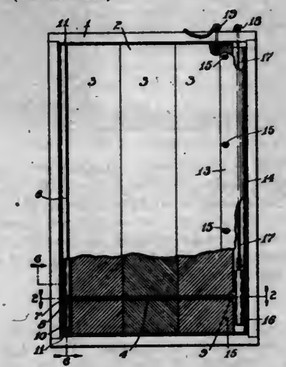
1. In a six-wheel truck of the type described, the combination of the bolsters and a bridge engaging the ends of the bolsters and interlocking with the latter, whereby the use of bolts or similar means of attachment other than the interlocking connection is obviated.

1,480,631. ARTIST'S SKETCH BOX. SYDNEY OSBORN, Philadelphia, Pa. Filed Dec. 21, 1922. Serial No. 608,151. 5 Claims. (Cl. 45—129.)



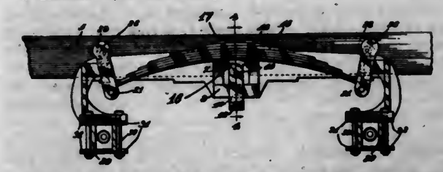
1. An artist's sketch box comprising a body open at the front and having one of its sides hinged thereto, partitions for dividing the interior of said body into a plurality of compartments one of said compartments being formed adjacent the hinged side, adjustable legs hinged at opposite ends of said compartment and adapted to be foldel therein, an adjustable brace leg adapted to be detachably connected with the back of the body and when folded removed to be placed within one of the compartments of said body, rods secured to and located between the partitions in said body, a tray, means rotatably connected with said tray and slidably mounted on said rods to permit said tray to be placed within the body or set at substantially right angles thereto, means for holding the inner end of said tray against accidental upward movement, and means for supporting the outer end of said tray.

1,480,632. STOCK DOOR. HENRY H. PALS, Meservey, Iowa. Filed Sept. 18, 1922. Serial No. 588,982. 7 Claims. (Cl. 20—16.)



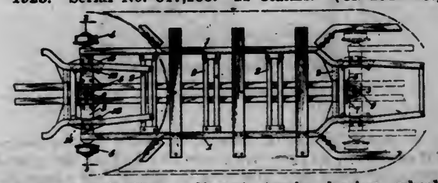
5. A swinging wooden door, a tubular hinge rod extending along the side edge of the door, and clamping bolts extending transversely through said rod and door for securing said rod and door in fixed relation to each other.

1,480,633. SPRING DEVICE. FRED N. PETTEGREW, Fox Lake, Wis. Filed Nov. 9, 1922. Serial No. 599,839. 5 Claims. (Cl. 267—52.)



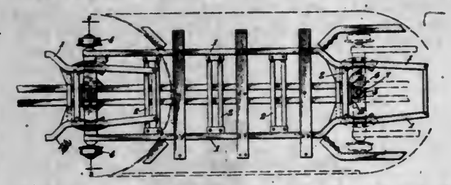
1. In a device of the character described, a bracket member having a depression formed in the under side thereof, a U-shaped member associated with the bracket member and having a depressed portion, the depressed portions adapted to cooperate to accommodiate a ball bearing, a spring member, means for pivotally supporting the spring member within the U-shaped member, and shackles at the ends of the spring member for pivotally supporting the spring member at the ends thereof.

1,480,634. COUPLING MECHANISM FOR TRUCKS AND THE LIKE. HENRY S. PUTNAM, New York, N. Y., assignor to Continuous Transit Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,135. 11 Claims. (Cl. 104—25.)



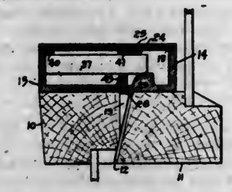
1. In combination, adjacent trucks having wheels adapted to guide the same along a trackway, and coupling mechanism for said trucks comprising a vertical king pin pivotally engaging a part on one truck, a trunnion member pivoted on a horizontal axis to the other truck, said king pin also pivotally engaging said trunnion member.

1,480,635. TRUCK CONSTRUCTION FOR MOVING PLATFORMS. HENRY S. PUTNAM, New York, N. Y., assignor to Continuous Transit Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1923. Serial No. 647,136. 12 Claims. (Cl. 104—25.)



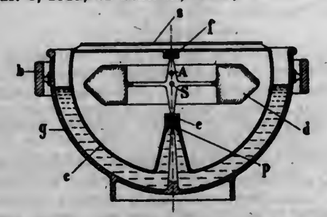
2. In combination a series of trucks disposed end to end, coupling devices near the ends of adjacent trucks to interconnect the same, alined racks extending respectively along the several trucks adapted to cooperate with driving elements disposed along a trackway to propel the trucks, and means associated with coupling devices for altering the spacing between the ends of adjacent racks to bring the teeth of the racks into phase with each other.

1,480,636. SASH LOCK. MAX S. ROSENTHAL, New York, N. Y. Filed July 20, 1921. Serial No. 486,311. 3 Claims. (Cl. 70—14.)



1. A lock having a casing formed of two box sectional members, each having an open side, co-acting tongues and grooves formed on all edges of the open sides of both said parts, a locking bar normally projecting from one said part and adapted to be projected into the other said part, resilient means for retracting said locking bar and resiliently operated means for retaining said locking bar.

1,480,637. ARTIFICIAL HORIZON. MAX SCHULER, Neumuhlen, near Kiel, Germany, assignor to Anschütz & Co., Neumuhlen, near Kiel, Heikendorfer, Germany. Filed Feb. 23, 1918. Serial No. 218,871. 1 Claim. (Cl. 74—78.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In a device of the kind described, an outer vessel an inner vessel, a liquid in the outer vessel buoyantly supporting the inner vessel, a gyroscope mounted in the inner vessel with its axis vertical and having its center of gravity below the center of flotation of the liquid, the

distance of said center of gravity below said center of flotation being such as to cause the gyroscope when running at the normal speed to describe its precession cone in eighty-four minutes and a mirror mounted on top of the inner vessel in a plane normal to the axis of the gyroscope.

1,480,638. PERMANENT HAIR WAVING. MARIE CATHERINE STEICHEN, New York, N. Y. Filed June 9, 1923. Serial No. 644,332. 1 Claim. (Cl. 132—33.)



A form for producing a Marcel wave, comprising a substantially round and straight stem having substantially round tapering branches projecting from diametrically opposite sides of the same and terminating in abruptly curved hooks, said hooked branches forming substantially right angled curved bends relative to the stem to enable a strand of hair being caught within the curve of the hooks and interlaced back and forth across the back of the straight stem and said stem having a substantially round continuation of the same extended beyond the last hooked branch to provide a terminal for the end of the strand of hair to be wrapped about.

1,480,639. PRODUCING IMITATIONS OF OIL PAINTINGS. HOWARD R. STONE, Evanston, Ill., assignor to American Colortype Company of Illinois, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1921. Serial No. 505,500. 7 Claims. (Cl. 41—25.)

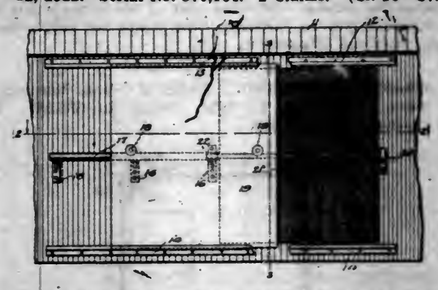


1. The method of imitating oil paintings which consists in mounting a flat color print, producing surface irregularities in imitation of canvas marks thereon, brushing a coating material on the print to form brush marks, using the resulting doubly marked print as the matrix for making an embossing die, and embossing duplicates of the said flat color print with the said die.

1,480,640. MANUFACTURE OF CHROMIUM COMPOUNDS OF AZO DYESTUFFS. FRITZ STRAUB and RICHARD SALLMANN, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Feb. 27, 1922. Serial No. 539,739. 1 Claim. (Cl. 260—12.)

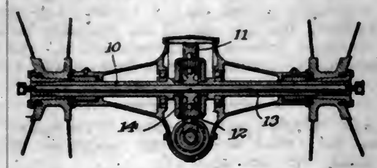
The herein described manufacture of chromium compounds of azo-dyestuffs containing groups capable of being chromed, consisting in uniting in a single operation the manufacture of the dyestuff and that of its chromium compound by preparing the azo-dyestuff in presence of alkali compounds of the trivalent chromium hydroxide $Cr(OH)_3$ and then heating the product of the reaction until the dyestuff is completely converted into its chromium compound.

1,480,641. SLIDING-DOOR SUPPORT. FRANK TETZLAFF, Brooklyn, N. Y.; Ella Geffke and Herman Geffke executors of said Frank Tetzlaff, deceased. Filed June 22, 1922. Serial No. 570,164. 2 Claims. (Cl. 16—87.)



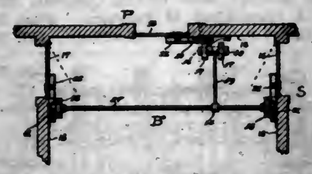
1. A sliding door support comprising a rigidly supported tubular member for supporting the door in open position, a rigid member slidably mounted in said tubular member and adapted to be withdrawn therefrom and bridged across the door opening to support the door in closed position, and means for supporting said rigid member across the door opening.

1,480,642. AXLE CONSTRUCTION. LIONEL THEORET, Asquith, Saskatchewan, Canada. Filed Apr. 2, 1923. Serial No. 629,505. 1 Claim. (Cl. 74—99.)



In an axle construction, a housing, a solid axle extending throughout the length thereof, a ring gear rigidly secured upon the center of said axle and carrying a plurality of differential pinions, a pair of hollow axle sections engaged upon said solid axle and having their inner ends reduced and threaded, bevel gears on said reduced ends meshing with said pinions, nut members screwed onto said reduced ends for holding said gears on the hollow axle sections, circular supporting members within the housing outwardly of said last named gears, bearing elements carried by said circular members, other bearing elements carried by the hollow axle sections and co-operating with said first named bearing elements, the axle sections having enlargements engaging against the last named gears and the last named bearing elements, and wheels secured upon the outer ends of said hollow axle sections.

1,480,643. PLURAL-DOOR LOCK. WILLIAM R. THOMPSON, Rowayton, Conn., assignor to John Tiebout, New York, N. Y. Filed Nov. 2, 1922. Serial No. 598,504. 9 Claims. (Cl. 292—33.)



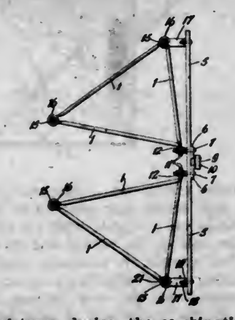
1. In combination a plurality of doors, locking means for each door, an operative connection between the locking means whereby they will move in unison, and means for preventing locking of one door when the other door is open.

1,480,644. DIE AND METHOD OF MAKING THE SAME. FRANK M. VOGAN, Canton, Ohio. Filed July 3, 1922. Serial No. 572,433. 6 Claims. (Cl. 22—190.)



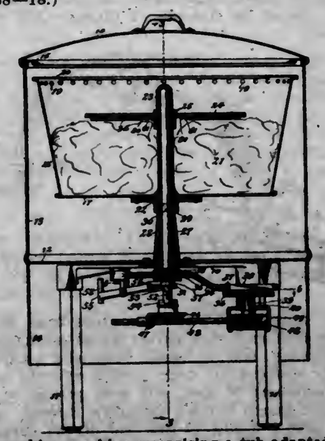
1. The method of forming dies which consists in forming a mold having sockets upon opposite edge portions, making a plaster impression of the same, producing lugs in the impression interfitting with said sockets, using the original mold as a pattern to cast an iron die, making a second plaster impression from the first named plaster impression, using said second plaster impression as a pattern to cast an iron mold and making a lead impression of the iron mold, said lead impression forming a die to co-act with the iron die.

1,480,645. RESISTANCE DEVICE. ALFRED ERNEST WALLER, Bronxville, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed Mar. 27, 1922. Serial No. 547,006. 16 Claims. (Cl. 219—63.)



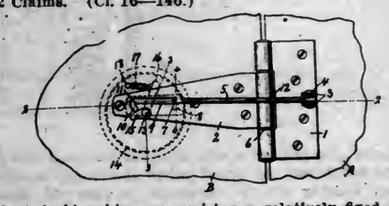
1. In a resistance device, the combination of a ribbon resistor element having a flat supporting portion, a bolt passing through said portion, a rectangular washer of a size approximately equal to the width of said portion in contact therewith, and means on said bolt for clamping said rectangular washer against said flat portion of the resistor element.

1,480,646. WASHING MACHINE. PHILIP H. WALLER, Buffalo, N. Y., assignor to Excel Tool, Die & Machine Corporation, Buffalo, N. Y., a Corporation of New York. Filed Aug. 23, 1921. Serial No. 494,480. 4 Claims. (Cl. 68—18.)



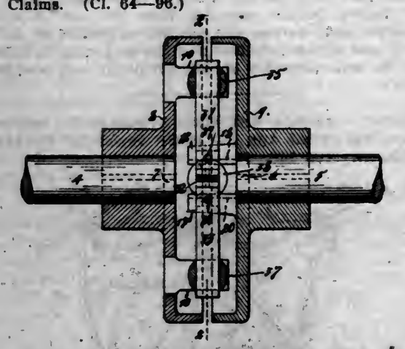
1. A washing machine comprising a tub adapted to turn about a vertical axis and to receive the washing liquid and the articles to be washed and provided with a central hollow post projecting upwardly from the bottom of the tub, an upright shaft the upper end of which receives said hollow post, and means for coupling and uncoupling said shaft and tub consisting of a collar arranged on the shaft and a hub arranged on said bottom, said collar and hub being provided with coupling surfaces which are adapted to be interlocked upon lowering the tub on said shaft and to be unlocked upon raising said tub relatively to said shaft.

1,480,647. LOCK HINGE FOR DOORS AND OTHER MOVABLE ELEMENTS. ALBERT F. WALTERS, Syracuse, N. Y. Filed Jan. 25, 1923. Serial No. 614,774. 2 Claims. (Cl. 16—146.)



1. A locking hinge comprising a relatively fixed hinge section and a movable hinge section, in combination with a latch bar hinged at one end to the fixed section to swing vertically and horizontally and having its other end extended across and some distance beyond the hinge joint and provided with an offset slidable in a slot in the movable hinge section as the door is opened and closed, said slot having a downwardly extending branch into which the offset of the latch bar is adapted to drop when the door is opened to lock the door in said open position, and a rock shaft journaled on the movable hinge section and having one end provided with a cam for engaging said offset and tripping the latch from its locking position when the rock shaft is rotated in one direction, and a hand piece on the other end of the rock shaft for operating the same.

1,480,648. FLEXIBLE COUPLING. ARTHUR C. WOODWARD, Cranford, N. J., assignor to The A. & F. Brown Company, Elizabethport, N. J., a Corporation of New Jersey. Filed Apr. 5, 1922. Serial No. 549,833. 13 Claims. (Cl. 64—96.)

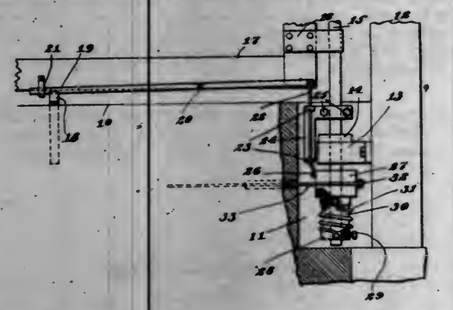


1. A flexible coupling comprising two abutting coupling members, means capable of universal rotation mounted in said members, and an inner floating member having radially disposed arms engaging said means.

1,480,649. SHOCK-ABSORBING DEVICE FOR GATES. FRANK R. ASHLEY, Denver, Colo. Filed June 29, 1922. Serial No. 571,637. 1 Claim. (Cl. 39—28.)

In a device of the kind described, the combination of a rotatably mounted gate post, a gateway secured to said post and rotatable therewith, a latching member pivotally mounted on the gate and cooperating with the

latch to maintain the gate in closed position, a member loosely mounted on said post, an operating lever located at a point remote from the gate, an operating cable extending between said operating lever and the loosely mounted member on the post, a collar secured to the



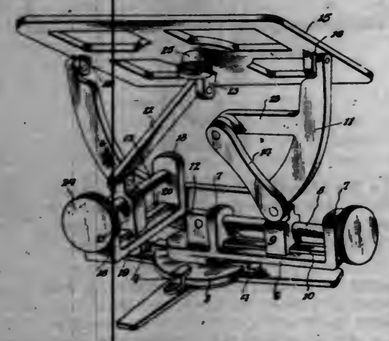
lower end of said post, a helical spring attached one end to said collar and the other end to the loosely mounted member whereby relative movement between the loosely mounted member and post is permitted, and injury to the gate or operating means prevented on sudden stoppage of the gate.

1,480,650. MEANS FOR PREVENTING THE TURNING OF CYLINDER AND LIKE LOCKS. WILLIAM DANIEL BACON, Wellington, New Zealand. Filed Jan. 6, 1922. Serial No. 527,494. 3 Claims. (Cl. 70—46.)



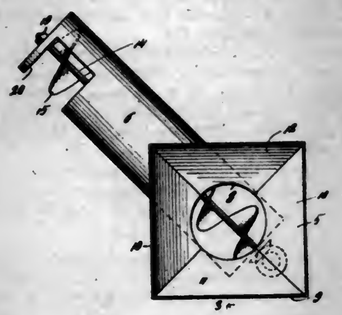
1. The combination with a door having an opening therein, a lock secured to said door, said lock comprising a latch bolt and spring container, of a keeper comprising a cylindrical body portion adapted to be seated within said opening, prongs extending from one end of said cylindrical body portion and adapted to project on each side of said spring container and fins projecting radially from the outer periphery of said cylindrical body portion.

1,480,651. CAMERA SUPPORT. CHARLES G. BAILEY, York, Pa. Filed Apr. 17, 1922. Serial No. 553,545. 6 Claims. (Cl. 248—47.)



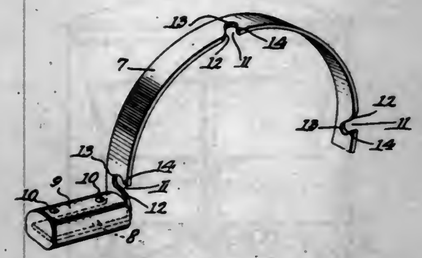
1. In a camera support, the combination of a turntable, a carrying arm rigid with and projecting radially from the turntable, a camera-carrying frame arranged over the turntable and having a pendent member, fixed guides upon the turntable engaging opposite sides of said pendent member to prevent relative lateral movement of the camera-carrying frame, and means mounted upon the carrying arm and operatively connected with the camera-carrying frame for angularly adjusting the said frame and effecting movement of the pendent member between said guides.

1,480,652. SNOWPLOW. FLETCHER B. BURRIS, Minneapolis, Minn. Filed Dec. 2, 1920. Serial No. 427,856. 1 Claim. (Cl. 37—45.)



A snow collector comprising a stationary tubular casing having its ends closed and adapted to be positioned in inclined relation on a vehicle with its upper end disposed beyond one side of the vehicle and its lower end in proximity to the ground, a rotatable screw or auger conveyor extending longitudinally through the casing and being journaled in the ends thereof, the relative under surface of the upper end of said tubular casing having a discharge opening, the relative side of the lower end of said tubular casing being provided with an opening, and a scoop extending laterally of the casing and having a top, bottom and sides, said scoop communicating with said opening in the lower end of the tubular casing whereby the material collected by the scoop is delivered laterally of the auger and into the path thereof through the opening in the lower end of the tubular casing.

1,480,653. IMPLEMENT FOR TURNING LENS RIMS. FRANK H. BARR, Washington, D. C. Filed Jan. 3, 1923. Serial No. 610,444. 3 Claims. (Cl. 81—64.)



1. An implement for removing rims from headlights of automobiles, such rims having spaced projections upon their periphery, said implement comprising a curved substantially semi-circular body portion whereby one side of the implement is open, said body portion being provided with spaced notches extending through one edge thereof, and a handle at one end of the curved body portion.

1,480,654. BOX. CHARLES E. BEARDSLEY, Waterbury, Conn., assignor, by mesne assignments, to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Sept. 19, 1921, Serial No. 501,762. Renewed Nov. 17, 1923. 3 Claims. (Cl. 220—76.)



1. A box of sheet material having opposed flanged sides whose flanges are provided with openings, and opposed sides whose edges are seamed over said flanges and crimped into said openings.

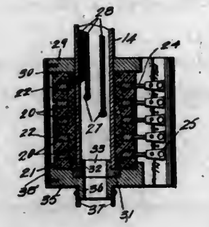
1,480,655. FISHING FLOAT. GEORGE EVERETT BENNETT, Corry, Pa. Filed Dec. 7, 1921. Serial No. 520,647. 8 Claims. (Cl. 43—49.)



1. A float comprising a body provided with an inclined bore adjacent to each of its ends and converging towards each other, a longitudinal groove connecting the bores at their convergent ends, longitudinal grooves extending from the opposite ends of the bores towards the respectively adjacent ends of the body and inclined slots communicating with said bores to admit a connecting line thereinto.

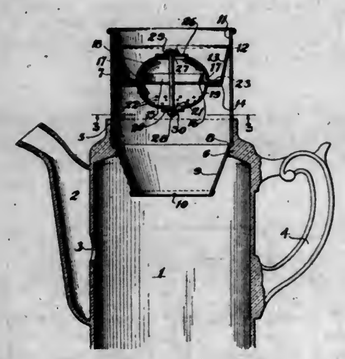
1,480,656. ELECTRICAL CONNECTION FOR AUTOMOBILES. JASPER BLACKBURN, Webster Groves, Mo. Filed Nov. 8, 1919. Serial No. 336,763. 2 Claims. (Cl. 173—324.)

2. A device of the class described, comprising a rotating steering column, a core of insulating material surrounding said column near its lower end and firmly secured thereto, a plurality of spaced apart peripheral grooved conductor rings embedded in said core, a collar loosely mounted on said steering column at each end of the core, an insulated housing surrounding the core and secured to said collars, sliding conductors carried by said housing, said conductors fitting within the peripheral grooves of the conductor rings and embracing the major



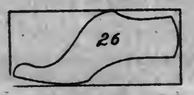
portion thereof, and means carried by one of said collars for preventing the rotation of said housing.

1,480,657. COFFEEPOT. CYRUS F. BLANKE, St. Louis, Mo. Filed Nov. 9, 1923. Serial No. 673,767. 3 Claims. (Cl. 53—3.)



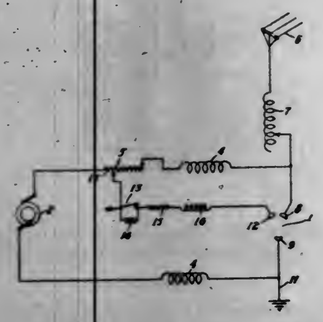
1. In combination with a coffee pot, a coffee container adapted to be supported within the pot, a screen at the lower end of the container, a removable cup normally closing the upper end of the container, a perforated water spreader depending from the bottom of said cup, a dome-shaped hood arranged above the water spreader, said hood being provided with a series of perforations near its base, and means for holding the hood and the spreader to the cup.

1,480,658. MANUFACTURE OF WOODEN ARTICLES. WILLIAM F. BOSTOCK, Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 29, 1920. Serial No. 399,796. 3 Claims. (Cl. 12—133.)



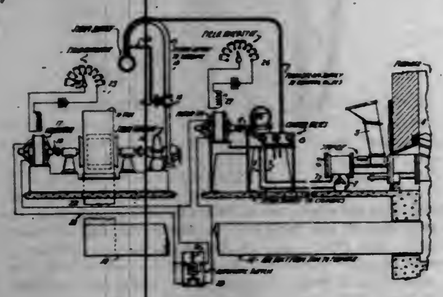
1. That improvement in the art of manufacturing lasts which consists in compressing the block normally to its annual layers while holding it firmly supported tangentially thereto, placing it in a last lathe and turning it to the desired shape.

1,480,659. SIGNALING SYSTEM. QUINCY A. BRACKETT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 7, 1920. Serial No. 428,876. 23 Claims. (Cl. 250—19.)



1. The method of arc signaling which consists in selectively supplying energy either to an oscillatory circuit or to a non-oscillatory circuit while maintaining uninterrupted operation of the arc.

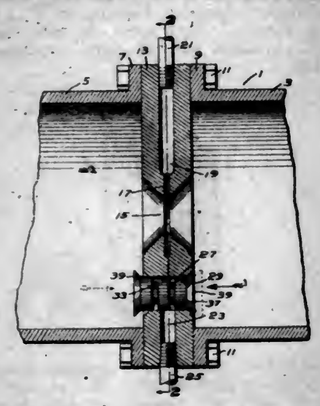
1,480,660. CONTROL MECHANISM FOR STOKERS. JOSEPH BRESLOVE, Pittsburgh, Pa. Filed Apr. 19, 1920. Serial No. 374,922. 8 Claims. (Cl. 236—14.)



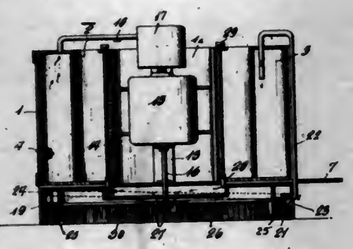
1. In combination with a furnace and the boiler associated therewith, a blast delivery mechanism, means responsive to changes in the steam output of the boiler for driving said blast delivery mechanism, an electric generator operatively connected to said means, a fuel feeding mechanism, means for controlling the operation thereof, and electrical apparatus responsive in operation to variations in the speed of said generator for controlling the operation of said last mentioned means.

1,480,661. DIFFERENTIAL-PRESSURE RESPONSIVE DEVICE. FRANCIS H. BROWN, Glen Olden, Pa. Filed July 2, 1920, Serial No. 393,640. Renewed June 8, 1923. 12 Claims. (Cl. 73—167.)

1. A differential fluid pressure responsive device, comprising a plate having therein an orifice adapted to have fluid flow therethrough, a groove communicating with said orifice, a port for transmitting kinetic fluid pressure from said groove, a port for transmitting static fluid pressure, and valve means automatically responsive to the direction of flow of fluid through said orifice for enabling transmission of static fluid pressure through said static pressure port on flow of fluid toward either side of said plate.

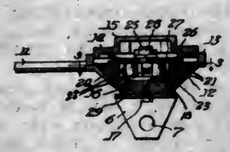


1,480,662. FOUNTAIN SCRUBBING MACHINE. ANSEL M. CAINE, New Orleans, La. Filed Sept. 11, 1922. Serial No. 587,517. 3 Claims. (Cl. 15—50.)



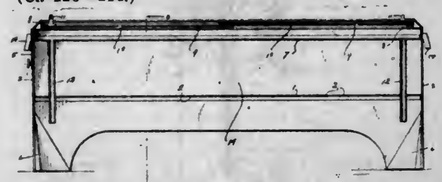
1. A scrubbing machine comprising a frame, a tank thereon having concentrically arranged compartments, one of which is closed and another divided into pockets, a circular head arranged adjacent and beneath the tank and divided into a plurality of compartments, absorbent material in each of said compartments, suction creating means supported upon the tank and communicating with one of said compartments and a circular pipe arranged in proximity to said head having branch pipes extending into engagement with said absorbent material, said pipe communicating with that compartment connected to the suction creating means, a rotatable brush received in the head and a common means for driving said brush and suction creating means.

1,480,663. SHOCK ABSORBER. AUGUSTINE G. CAMPORINI, Chicago, Ill. Filed June 3, 1921. Serial No. 474,740. 6 Claims. (Cl. 188—130.)



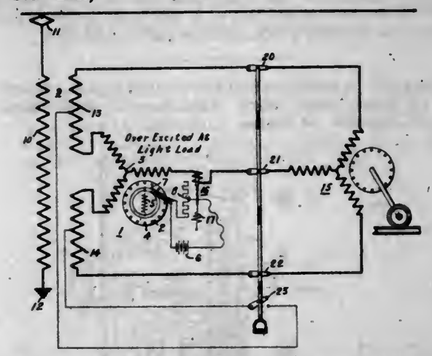
1. In a shock absorber, the combination of a frusto-conical housing member, a friction member disposed therein and adapted to be rotated in one direction by said housing member, ratchet mechanism disposed within said friction member for holding said friction member against rotation in the opposite direction, a spring for yieldingly urging said friction and housing members together and a closure cooperating with said housing member to enclose said spring and ratchet mechanism, said closure being adjustable to regulate the tension on said spring.

1,480,664. STOVE. PHILIP CHOKAS, Bluefield, W. Va. Filed Apr. 2, 1923. Serial No. 629,394. 3 Claims. (Cl. 126—214.)



1. A stove of the class described comprising a hollow member, the top wall of which forms a hot plate, a damper controlled opening in communication with the interior of said member, the walls of the member extending above the top plate, and cover sections associated with said extended portions of the walls.

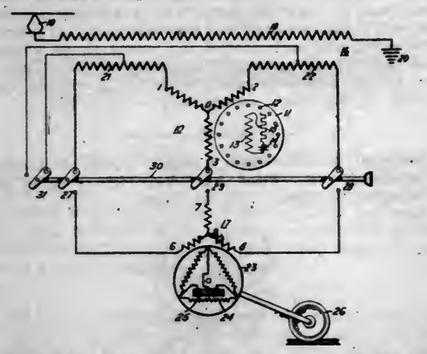
1,480,665. PHASE-CONVERTING SYSTEM. LEWIS WARRINGTON CHUBB, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1918, Serial No. 564,220. Renewed May 27, 1922. 14 Claims. (Cl. 173—246.)



4. The method of operating a synchronous phase-converter operatively associated with a supply transformer and having a plurality of its phases connected to a load circuit through portions of the secondary winding of said transformer in such manner as to reverse the phase-sequence of the output electromotive forces thereof, which comprises over-exciting the secondary member of said converter during light-load operation whereby leading currents may be supplied to said supply transformer at the expense of balance in said system.

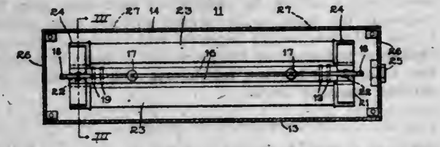
1,480,666. BALANCED PHASE-CONVERTING SYSTEM. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1917, Serial No. 206,924. Renewed Oct. 14, 1922. Serial No. 594,645. 17 Claims. (Cl. 171—238.)

1. In a converting system, the combination with a phase-converter having "n" primary windings and a tertiary winding, of a single-phase source subdivided into "n" portions, a polyphase load circuit, connections from each primary winding through one of said portions of the source, respectively, to a phase division of said load circuit, and connections from the tertiary winding of said converter to other phase-divisions of said load circuit, said connections being such that the electromotive forces of said source sub-divisions combine with the electromotive forces supplied from said converter to supply a resultant system of electromotive forces to said load circuit having the reverse phase-sequence from the converter electromotive forces.



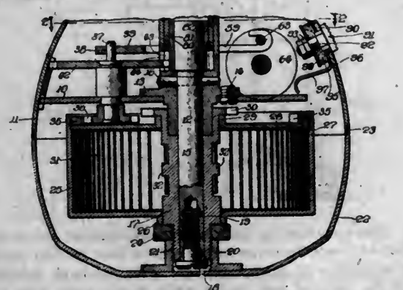
17. In a balancing system, the combination with a phase-balancer, of a supply circuit therefor, a load circuit, only one of said circuits being a balanced polyphase circuit, and symmetrical connections for inserting the unbalanced circuit between said converter and the balanced circuit.

1,480,667. ELECTRIC HEATER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1922. Serial No. 585,844. 5 Claims. (Cl. 219—34.)



1. In an electric heater, in combination, a pair of parallel, co-extensive, insulating bars, terminal members clamped between and supported by said bars, resistor supporting means carried by said terminal members, and refractory resistor rods supported by said resistor-supporting means.

1,480,668. SPRING MOTOR. CAP B. COLLINS, Franklin, Pa., assignor to Collins Safety Razors, Chicago, Ill., a Common Law Business Trust. Filed Feb. 24, 1920, Serial No. 360,887. Renewed June 18, 1923. 9 Claims. (Cl. 185—37.)



7. In an appliance of the character described, the combination of a casing composed of registering sec-

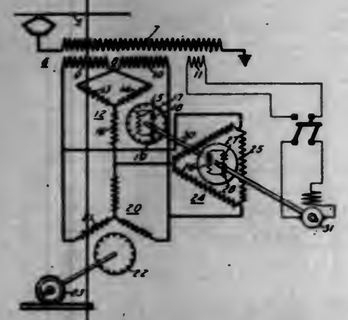
tions capable of rotation relatively to one another, a post carried by one of said sections, a sleeve revoluble on said post and connected to the other casing section, a coil-spring having its inner end connected to said sleeve, a ratchet-wheel rotated by said sleeve, a pawl co-operating with said ratchet-wheel to prevent backward rotation of the sleeve on the post, a spring-barrel connected to the outer end of the spring and revoluble on said sleeve, a second sleeve on said post, and gearing connecting said spring-barrel and second sleeve whereby the motor revolves the latter, the spring being wound up by the turning of one of said casing sections relatively to the other, substantially as described.

1,480,669. FOOT-POWER BRAKE. JAMES L. COLVIN, Scranton, Pa. Filed Nov. 24, 1920. Serial No. 426,270. 1 Claim. (Cl. 74—116.)



In a brake comprising a supporting bracket, a brake shaft, a bevelled gear carried by the end of said shaft, a stub shaft disposed at right angles to the brake shaft, a bevelled gear mounted upon the stub shaft and engaging the gear on the brake shaft, and a ratchet on the periphery of the second gear; a double armed lever pivoted upon the stub shaft and normally disposed in an inclined position relative the horizontal with one end above the shaft, means carried by the lever for engagement with the ratchet whereby to rotate said gears upon the application of pressure to the upper end of said lever, means carried by the end of said lever arm for returning the same to its normal position upon release of the pressure, means engaging said ratchet to prevent backward movement of the gears and a finger carried by the supporting bracket to contact and disengage the ratchet engaging means.

1,480,670. PHASE-CONVERTING AND POWER-FACTOR-CONTROL MACHINE. STUART H. COWIN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 17, 1918. Serial No. 258,581. 10 Claims. (Cl. 172—246.)



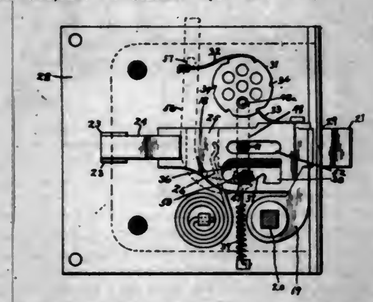
6. The combination with a dynamo-electric phase balancer, of a synchronous motor, and a lost motion means for supplying a torque to the rotor of said balancer from the rotor of said motor while at the same time permitting changes in the relative angular relationship of the two rotors.

1,480,671. MEANS FOR VARYING THE TEMPERATURE OF THE ATMOSPHERE IN A CHAMBER. EDWARD T. CURRAN, Detroit, Mich. Filed Dec. 6, 1920. Serial No. 428,781. 2 Claims. (Cl. 257—154.)



1. In means for changing the temperature of the atmosphere in a chamber, an element to be placed in said chamber for the circulation of a medium therethrough of a temperature different from the temperature of the atmosphere in the chamber and about which the atmosphere of the chamber is circulated, said element comprising spaced tanks, said tanks being arranged with transverse partitions to divide the tanks into justaposed chambers, tubes connected at opposite ends to the chambers of the tanks and arranged so that one tube will communicate with a chamber of one tank and the successive chamber of the other tank, and an inlet leading to the chamber at one end of a tank and outlet leading from the chamber at the opposite end of said tank.

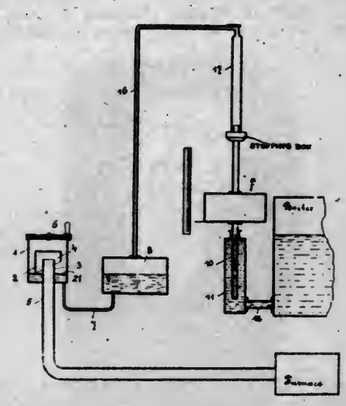
1,480,672. CARTRIDGE-FIRING DOOR LOCK. JOSEPH DE JOHN, Detroit, Mich. Filed June 18, 1923. Serial No. 646,022. 4 Claims. (Cl. 116—11.)



3. In combination with a shell, a manually actuatable latch piece limitedly movable therein and through one edge thereof, an ammunition magazine rotatably supported within said shell in position to be normally actuated by the movement of said latch to successively place its several firing chambers in registry with a suitably positioned aperture in one side of said shell, a pivoted firing member also actuatable to firing position by the movement of said latch, and means regulatable from either side of the shell whereby the response of said firing member to the releasing movement of the latch may be selectively controlled.

1,480,673. DEVICE FOR REGULATING THE AIR SUPPLY TO FURNACES OF STEAM BOILERS. SIEGFRIED DEUTSCH, Vienna, Austria. Filed June 23, 1920. Serial No. 391,249. 4 Claims. (Cl. 236—26.)

1. In a device of the character described having an air passage, the combination of a regulator proper for varying the cross-section of the air passage, and fluid pressure means for actuating the regulator proper, said means comprising a reserve vessel for holding a liquid, a pipe connection between the lower part of said reserve vessel and said regulator proper, a vessel of relatively large cross-section, a pipe connection between the upper



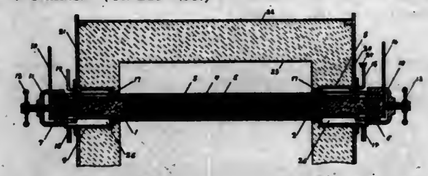
part of said reserve vessel and the upper part of said vessel of large cross-section, a pipe connection of relatively small cross-section between the lower part of said vessel of large cross-section, and the boiler, said pipe connection being normally filled with a liquid up to the bottom of said vessel of large cross-section.

1,480,674. DRILLING WELLS. SAMUEL E. DIESCHER, Wilkinsburg, Pa., assignor to S. Diescher & Sons, a Partnership consisting of Samuel E. Diescher and August P. Diescher. Filed Mar. 7, 1921. Serial No. 450,170. 3 Claims. (Cl. 61—36.)



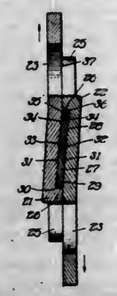
3. The method herein described for rendering the wall of a well impervious to water and permanent which consists in filling the bore of the well with concrete in a fluid state to a suitable distance above the porous or frangible portion thereof and causing the concrete to penetrate the crevices or openings in the bore of the well by blows or impacts of a string of tools employed in boring the well and forming a bore through the concrete in the previously formed bore.

1,480,675. ELECTRIC RESISTOR AND ITS PROCESS OF MANUFACTURE. JOHN F. DIRZUWEIT, Laurel, Md., assignor of one-half to William W. Varney, Baltimore, Md. Filed Nov. 11, 1920. Serial No. 423,232. 7 Claims. (Cl. 219—68.)



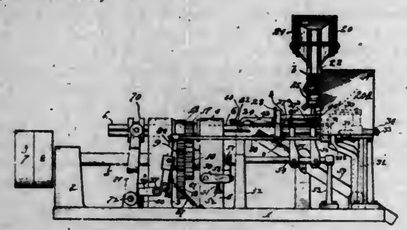
7. An electric resistor provided with water cooled terminals and regulating means between said terminals for compressing the resistor, a conductor between said terminals comprising a pile of carbon blocks surrounded by silica contained in a refractory casing and means of introducing a gas through said silica from the exterior of said terminals.

1,480,676. AUTOMATIC SPRINKLER. SAMUEL DORAIS, Chicago, Ill., assignor of one-third to Charles L. Byron, Winnetka, Ill. Filed July 20, 1922. Serial No. 576,180. 5 Claims. (Cl. 169—42.)



1. In an automatic sprinkler, a control link including a plurality of relatively movable members normally sealed together and having keyways therein at an angle with respect to the oppositely directed forces tending to separate said members longitudinally, and keys mounted in said keyways inclined in the same manner and having a knife edge fulcruming engagement with respect to each other for causing a quick lateral separating movement of said members upon the occurrence of predetermined thermal conditions.

1,480,677. BOLT AND NUT ASSEMBLING MACHINE. THOMAS EYNON, Rock Island, Ill., assignor to Williams, White & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 23, 1921. Serial No. 464,010. 38 Claims. (Cl. 10—155.)



30. In mechanism of the class described, the combination of a nut holder, an upright longitudinally movable and rotatable spindle in axial alinement with the nut holder, said spindle having means to engage and rotate

a bolt when pressed against it and to automatically release the bolt when retracted, means for holding a bolt in axial alinement with said spindle and said nut holder, and an ejector device operating in timed relation with the spindle to eject the assembled nut and bolt laterally after retraction of the spindle.

1,480,678. CAR COUPLING. CHRISTIAN G. FEUCHT, Brooklyn, N. Y. Filed June 3, 1922. Serial No. 565,541. 7 Claims. (Cl. 213—46.)



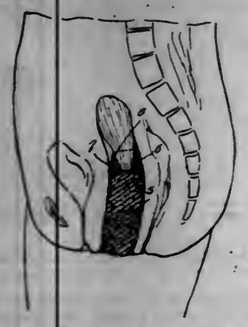
1. In a car coupling, an outer casing provided at one end with a car connection, a tubular member disposed in spaced relation within said casing and secured at one end to the car connection thereof and arranged to form a spring abutment thereon, means provided at the opposite or free end of said tubular member for engaging the inner wall of said casing and forming a spring abutment, a coupling rod having an end longitudinally slidable in said tubular member and provided at its opposite end with a car connection, a collar slidably mounted on said tubular member and connected through the walls of the latter in fixed relation with said coupling rod, and helical springs mounted upon said tubular member on opposite sides of said collar and disposed to engage said abutments and exert an endwise resistance in opposite directions to the movement of said rod.

1,480,679. COLLAPSIBLE TOOTHBRUSH. JAMES W. FORD, Chicago, Ill. Filed May 24, 1922. Serial No. 563,193. 7 Claims. (Cl. 15—202.)



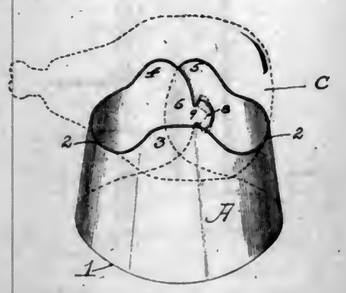
1. A toothbrush construction comprising an elongated handle member having a fixed abutment thereon, a brush head removably associated with the same, and a screw propelled non-rotatable head-engaging element movable longitudinally of the handle member for clamping the brush head rigidly against the abutment.

1,480,680. PESSARY. FRED MACK GLOVER, West Point, Ga. Filed Feb. 26, 1923. Serial No. 621,454. 1 Claim. (Cl. 128—127.)



In an article of the class described, a longitudinally pliable body of soft rubber formed in its upper end with a womb receiving pocket, the upper end of said pocket being cut inwardly of the front edges thereof for preventing displacement of the womb therefrom, and said pocket opening upon one end and upon one of the vertical faces of said body.

1,480,681. DISPLAY STAND. CHARLES B. GOES, Chicago, Ill. Filed May 4, 1923. Serial No. 636,512. 1 Claim. (Cl. 211—24.)



The blank for a display stand consisting of a single, substantially crescent shaped, thin but relatively stiff card board adapted when folded and its ends secured together to form a truncated cone, said blank being provided with a curved lower margin or base and rounded ends and with a top margin having a lug at each end and a centrally disposed lug, the portions of the top margin on each side of said central lug being substantially parallel with the base curve of the blank, a slot aperture through one end of the blank with a tongue projecting from one margin of the slot, and a lug projecting from the margin of the other end of the blank and adapted for interlocking engagement with said slot and tongue, substantially as described.

1,480,682. BOX STITCHER. EMIL HENNINGS, Chicago, Ill. Filed Nov. 19. 1919. Serial No. 339,082. 2 Claims. (Cl. 1—15.)



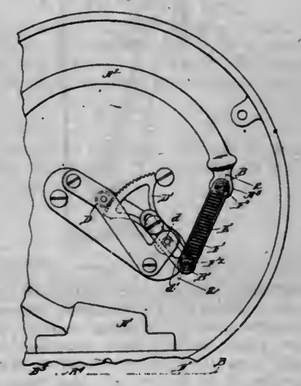
1. In a stitcher for sealing fibre shipping boxes having an inturned flange around the edge of the box and a flat cover therefor, a stitcher head, a short clincher block for insertion beneath the flange, a support for the clincher block extending inwardly then rearwardly and angularly upwardly and then outwardly above and over the flange beneath the cover and beyond the edge thereof whereby the block may be moved along beneath the flange so as to stitch the flange and cover along their overlapping portions, said support being of dimensions and construction to be capable of clenching the staples without any additional support beneath the clincher block.

1,480,683. GAME. HARRY HOLBROOK, Shawnee on Delaware, Pa., assignor to Worthington Mower Company, Shawnee on Delaware, Pa., a Corporation of Delaware. Filed Dec. 1, 1922. Serial No. 604,150. 3 Claims. (Cl. 46—4.)



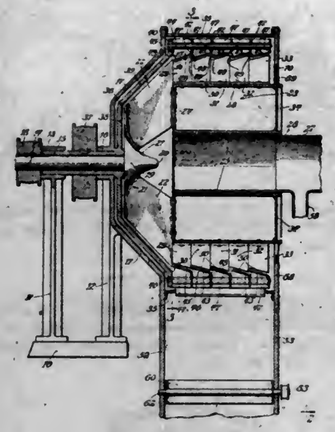
1. In the game of golf, the combination with the fairway and the adjoining rough, of a set of targets of conspicuous and singular appearance placed in said rough and serving as datum points wherewith to fix the location of the ball.

1,480,684. SPRING LINK. WILLIAM S. HUDSON, West Medford, Mass., assignor to The Ashton Valve Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 19, 1922. Serial No. 595,651. 2 Claims. (Cl. 74—17.)



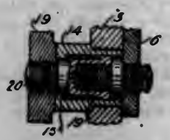
1. A spring link mechanism comprising two movable elements; a rigid link having two openings; a member connected with one of said elements and passing through one of said openings; another member connected with the other of said elements and passing through the other of said openings; and a spring connected to said members and tending to draw them together.

1,480,685. DUST COLLECTOR. LESTER L. LADD, Lockport, Ill. Filed June 19, 1922. Serial No. 569,195. 26 Claims. (Cl. 183—76.)



1. In a dust collector, a stationary casing, means for producing a current of air in said casing, a plurality of revolving members having conical inner wall portions within said casing, said members being spaced to provide gaps therebetween and means for dislodging dust from the wall of said stationary casing, said casing having a discharge opening in said wall and said means moving over said opening to force the dislodged dust therethrough.

1,480,686. SECURING DEVICE. ALBERT T. LIGHT, New York, N. Y. Original application filed May 28, 1919, Serial No. 300,293. Divided and this application filed Aug. 20, 1921. Serial No. 493,977. 7 Claims. (Cl. 220—55.)

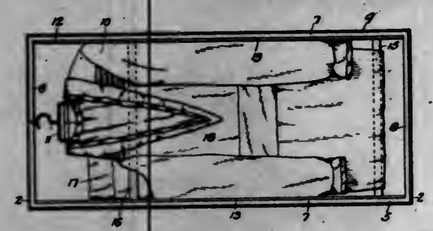


1. In a device for attaching two structures together, a seating member having threaded lugs projecting therefrom in opposite directions, one of said structures being provided with a threaded opening for engagement by one of said threaded lugs, said other structure being provided with an opening into which said seating member may be fitted, and a holding member arranged to have threaded engagement with the other of said lugs, said holding member including a portion having a greater diameter than the diameter of the seat-securing opening.

1,480,687. DEVICE FOR SUPPORTING GARMENTS IN BOXES. HARRY T. LOOMIS, Jamaica, N. Y. Filed Oct. 7, 1921. Serial No. 506,060. 3 Claims. (Cl. 206—7.)

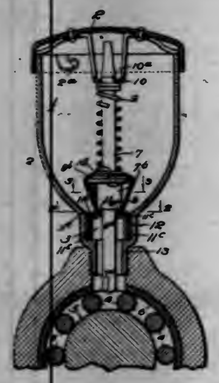
1. A garment supporting device of the class described, comprising a frame composed of elongated strips, spaced

transverse members rigidly secured to said strips, one of said transverse members being located adjacent to the



lower edges of said strips and the other of said transverse members being located centrally of the top and bottom edges of said strips.

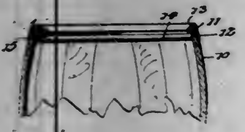
1,480,688. LUBRICATOR. HERBERT L. MAGILL and FREDERICK J. KEORE, Chicago, Ill. Filed May 23, 1917, Serial No. 170,548. Renewed May 17, 1923. 35 Claims. (Cl. 184—65.)



8. In combination with a roller bearing, a chamber for lubricant provided with an outlet leading to the bearing rollers, and a movable feed pin in said chamber extending through the outlet for contact with said rollers in their travel.

10. In the combination defined in claim 8, said feed pin being yieldingly held in position for contact of its end portion with the rollers in their travel.

1,480,689. BARREL. BENJAMIN B. MICHAELS, Brooklyn, N. Y. Filed Apr. 16, 1920. Serial No. 374,291. 1 Claim. (Cl. 217—76.)



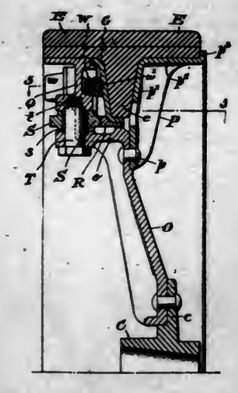
In combination with a container having an inner, circumferential groove adjacent one end thereof; a closure for said container comprising a top, said top having a peripheral, upwardly and outwardly bent portion adapted to snap and be seated in the groove of the container, said upwardly and outwardly bent period being formed integral with a chime and hoop encircling the top edge externally of the container.

1,480,690. CHECK PROTECTOR. STANLEY E. PETERS, Chicago, Ill., assignor to Kritikson Brothers, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1922. Serial No. 548,891. 8 Claims. (Cl. 101—24.)



6. A fountain pen cap having an end wall thereof provided with a recess for the reception of a roller having inking and mutilating elements, the axis of said roller being arranged transversely to the axis of the cap, and inking material for feeding ink to said roller.

1,480,691. GRIP PULLEY. GEORGE JOHN RACKHAM, Putney, London, England, assignor to Roadless Patents Holding Company, Washington, D. C., a Corporation of Delaware. Filed June 17, 1922. Serial No. 568,895. 7 Claims. (Cl. 64—40.)

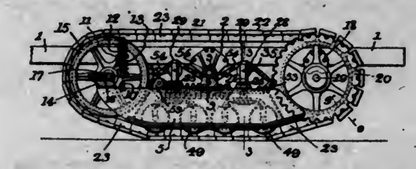


6. A grip pulley adapted to be associated with a belt having a rib or flange on its inner side, comprising two opposed sections, and a gripping member interposed between the pulley sections, and engaging the rib of the belt and being associated with devices which automatically cause it to firmly grip the ribbed part of the belt when the belt starts to slip on the pulley.

1,480,692. ENDLESS-TRACK VEHICLE. GEORGE JOHN RACKHAM, Chicago, Ill., assignor to Roadless Patents Holding Company, Washington, D. C. Filed Jan. 16, 1923. Serial No. 613,004. 7 Claims. (Cl. 305—9.)

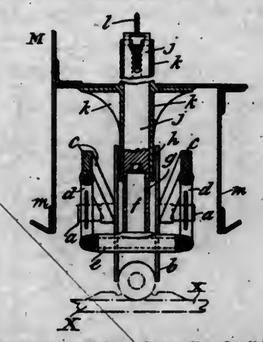
3. An endless track vehicle comprising a chassis, subframes supported from opposite sides thereof and each

mounted to rock fore and aft about an axis intermediate its front and rear portions, tractor belts on opposite sides of the vehicle, pulleys for the belts carried by the front portions of the subframes, pulleys for the rear portions of the belts carried by the chassis, body supporting wheels engaging the lower runs of the belts,



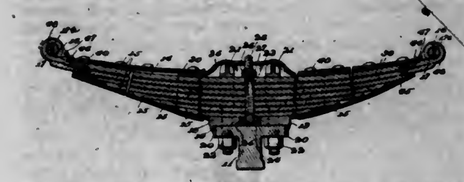
frames within the subframes in which the wheels are mounted, flexible cables connected with the subframes on which the vehicle body rests and vertically movable connections between the frames of the body-supporting wheels and said cables which also permit the frames to swing sidewise or laterally with the tractor belts.

1,480,693. ENDLESS-TRACK VEHICLE. GEORGE JOHN RACKHAM and FREDERICK BRIDDON LAMB, London, England, assignors to Roadless Traction, Limited, London, England. Filed Mar. 17, 1923. Serial No. 625,751. 12 Claims. (Cl. 305—9.)



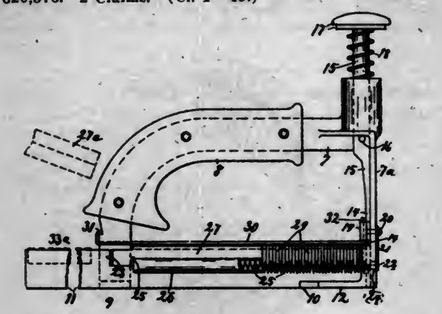
11. In combination with a laterally flexible track, a bogie supporting or wheel-carrying frame which is mounted to swing laterally with the tractor belt when the latter is bent or flexed laterally for steering and other purposes.

1,480,694. SPRING DEVICE. ALFRED R. ROCHE, Casper, Wyo. Filed Sept. 6, 1922. Serial No. 586,467. 4 Claims. (Cl. 267—37.)



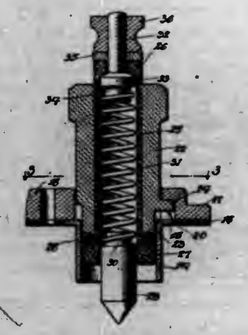
3. In a device of the character described, a leaf spring and a jacket enclosing said leaf spring, said jacket being constructed of fabric and comprising a center section folded around the leaf spring and having its meeting ends overlapping around the bottom of the leaf spring, snap fasteners for releasably securing said overlapping ends together, and end sections folded around the leaf spring and having their meeting ends overlapping along the top of said leaf spring, said end sections also overlapping portions of said center section, snap fasteners for releasably securing the end sections to the center section, and snap fasteners for releasably securing the meeting ends of the end sections together.

1,480,695. STAPLE DRIVER. THOMAS T. RODEBERG, Montevideo, Minn. Filed Feb. 23, 1923. Serial No. 620,576. 2 Claims. (Cl. 1—49.)



1. A staple driver having an open frame forming a horizontal staple holding bar, a vertical body portion extending at about right angles upward from the front end of the horizontal bar, and a curved handle connecting said two bars, a plunger slidable in the vertical body portion and having its upper end provided with a head and a spring engaging said head to raise the plunger, means limiting the raising of the plunger, the lower end of the plunger forming a punch arranged to drive one staple at a time through a slotted hole in the frame close by the front end of the staple supporting bar, a guiding strip fixed near above the staple supporting bar to prevent raising of the staples, a channel-shaped follower straddling the horizontal bar to push the staples toward the punch and a contracting coil spring arranged to pull the follower forward, said spring being long enough to permit removal of the follower from the bar without detaching either end of the spring while the bar receives a supply of staples.

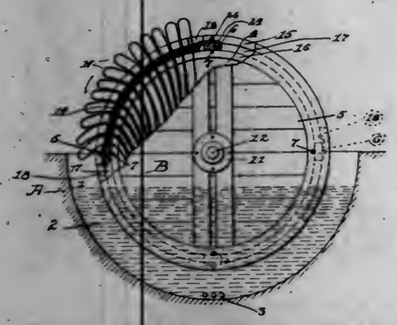
1,480,696. MAGNETO CONTACT. PETER A. SCHAEFER, Greensburg, Pa. Filed Mar. 1, 1922. Serial No. 540,262. 5 Claims. (Cl. 173—324.)



5. In a magneto contact for motor vehicles, the combination of a shell for connection with an element having an opening therethrough, a tubular insulator slidably fitting through the shell and provided at its lower end with a shoulder, a gasket interposed between said shell and the shoulder, and an electrical conductor extending within the insulator and including a spring tending when compressed to shift the insulator upon the shell for com-

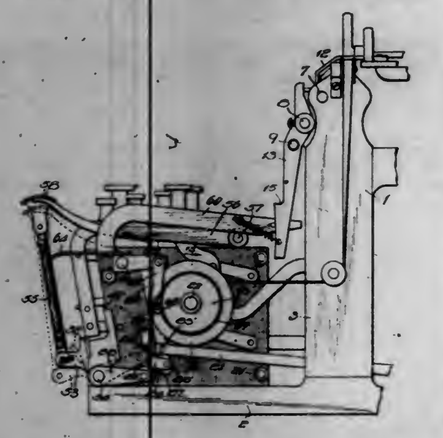
pressing the gasket between said shoulder and the shell and feeding the gasket to the wall of said opening forming a joint therewith yieldably closed by said spring.

1,480,697. TANNING APPARATUS. WILLIAM S. SHAW, Chicago, Ill. Filed May 1, 1922, Serial No. 557,764. Renewed June 20, 1923. 6 Claims. (Cl. 149—11.)



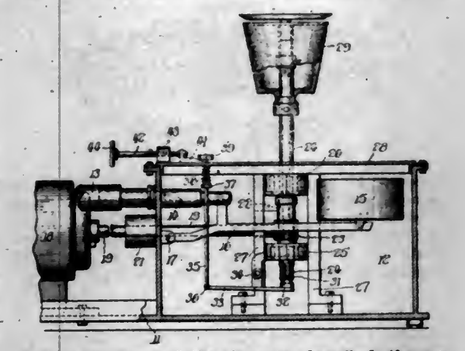
1. A tanning apparatus comprising a vat for containing the tanning liquid, and a rotary drum or wheel mounted therein, said wheel having two spaced apart heads, spreader bars, binding rods, and a plurality of removable slats, strips of soft, liquid absorbing material between the slats and means for clamping the hides between said strips.

1,480,698. POWER-DRIVEN OPERATING MEANS FOR TYPEWRITERS AND THE LIKE. DANIEL W. SHIEK, Aurora, Ill., assignor to S. E. Miller, Aurora, Ill., trustee on behalf of said Daniel W. Shiek and Miller-Bryant-Pierce Company, a Corporation of Illinois. Filed Oct. 5, 1921. Serial No. 505,544. 28 Claims. (Cl. 197—17.)



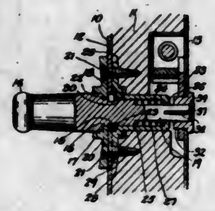
1. In a machine of the kind described and in combination, key levers for type bars, type keys, word spacing mechanism, means for locking said keys against accidental operation, said means being controlled by the weight of the operator's hands, and means controlled by the lifting of the operator's hands from said first-mentioned means for automatically operating said spacing mechanism.

1,480,699. ADJUSTABLE VALVE. CHARLES H. SIMMONS, Chicago, Ill., assignor to Milton E. Page, jr., Adolph T. Johanson, and Christopher M. Page, all of Chicago, Ill., trustees for Anball Manufacturing Company, a Common Law Trust. Filed Mar. 28, 1923. Serial No. 628,269. 5 Claims. (Cl. 158—77.)



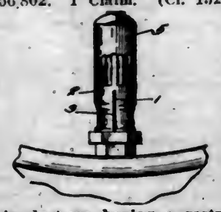
1. In a structure of the character described, the combination of a member having a valve-port, means to revolve said member, a relatively-stationary valve cooperating with said port, and means to adjust said valve and member with relation to one another to vary the extent of port opening.

1,480,700. ANTIRATTLING DOORKNOB. JOSEPH SOSS, New York, N. Y. Filed Jan. 25, 1921. Serial No. 439,764. 5 Claims. (Cl. 292—355.)



1. The combination with the door knob of a motor vehicle door, of means for retaining said knob against displacement in the door and for preventing rattling thereof comprising a part secured to the door and provided with a spring seat, a shoulder on the shank of the knob forming another spring seat between which and said first named spring seat is mounted a coil spring and an escutcheon plate secured to the door outwardly of said part and which serves to limit the inward movement ff the door knob in the door, and a lock washer mounted on the shank of the door knob inwardly of said escutcheon plate and cooperating with said plate to retain the door knob against displacement in the door.

1,480,701. FRICTION-GRIP DUST CAP. WILLIAM F. STAGGERS, Mannington, W. Va. Filed Apr. 26, 1922. Serial No. 556,802. 1 Claim. (Cl. 152—12.)



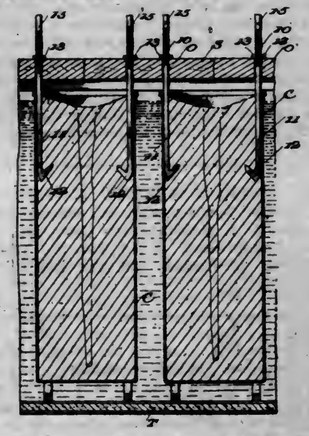
A friction-grip dust-cap having a restricted end portion, the cap having a plurality of slots extending longitudinally of the cap through said end portion, and a rubber cover snugly fitting over the entire cap and preventing the ingress of dust through the slots.

1,480,702. STOVEPIPE COUPLER. LOUIS P. VOGTMAN, Park Rapids, Minn. Filed June 25, 1921. Serial No. 480,331. 2 Claims. (Cl. 285—185.)



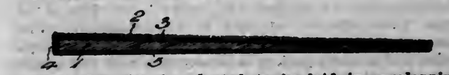
1. A pipe coupler comprising pipe sections having adjacent ends telescoped to provide a joint, separable fasteners, and means comprising loop straps for radially hinging one separable fastener to each pipe section.

1,480,703. ICE-REMOVING APPARATUS. JOHN CLARK WARD, Beaumont, Tex. Filed May 10, 1922. Serial No. 559,970. 1 Claim. (Cl. 294—1.)



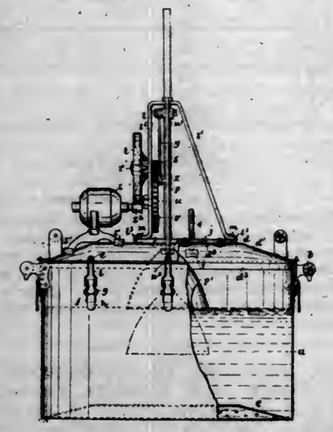
In a device for removing manufactured ice from cans, a pair of grappling devices having shanks provided at their lower ends with inwardly directed and upturned hooked heads, said grappling devices being adapted to be inserted into a can before the ice is formed whereby the shanks and the upturned hooked heads are embedded in the sides of the block of ice with the hooked heads engaging the ice in such manner as to be held against accidental displacement or against displacement by upward pull while being readily removable by a blow on the upper end of the grapples.

1,480,704. SHINGLE. HENRY A. WHEELER, Jacksonville, Fla. Filed Sept. 27, 1923. Serial No. 665,197. 1 Claim. (Cl. 108—8.)



A wooden shingle adapted to be laid in overlapping relation with other shingles upon spaced roofing lath and adapted to have its edges spaced from adjacent shingle edges to form ventilating passages, a thick fire-resisting plastic coating of uniform thickness over the entire upper side and extending around the edges of said shingle to resist fire on the portion of the shingle exposed to the weather and to also resist fire burning through an overlapping shingle, said coating being convertible by fire heat into a thick viscous fluid adapted to run into and seal the above-mentioned ventilating passages to resist passage of fire therethrough to the interior of the roof.

1,480,705. WASHING MACHINE. WILLIAM WIRTZ, Cristobal, Canal Zone, Panama. Filed Nov. 28, 1921. Serial No. 518,206. 3 Claims. (Cl. 259—113.)



1. A washing machine including, in combination, with a housing comprising a receptacle and a cover therefor, inverted bent uprights forming a supporting structure and arranged in planes crossing each other and one straddling and bearing down on the other, the latter upright being mounted on the cover, means to detachably clamp the first-named upright to said receptacle, an agitator projecting into the housing, and means on said structure to actuate the agitator.

1,480,706. FORGEABLE ALLOY OF IRON AND NICKEL. TRYGVE D. YENSEN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1919. Serial No. 290,022. 6 Claims. (Cl. 75—1.)

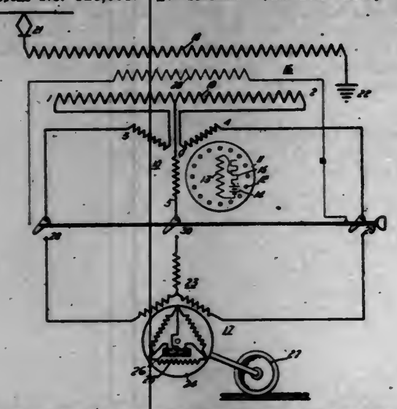
1. A forgeable alloy comprising unequal quantities of iron and nickel and a relatively small amount of titanium, the amount of titanium varying in proportion to the amount of the lesser metal present.

1,480,707. FISH LURE. LE ROY OSBORN EDWARDS, East Hampton, N. Y. Filed Aug. 7, 1922. Serial No. 580,331. 1 Claim. (Cl. 43—45.)



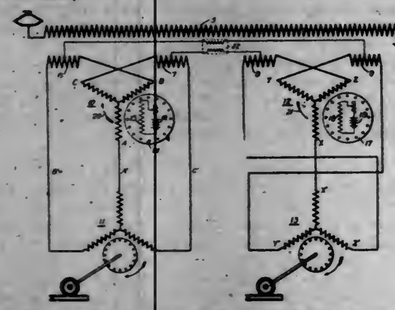
A fish lure comprising a non-metallic core, a solid metal casing of prolate spheroid shape surrounding said core and a shank passing through the core and casing, said shank having a fish hook on one end and an eye on the other end.

1,480,708. BALANCED PHASE-CONVERTING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1917, Serial No. 206,932. Renewed Dec. 30, 1921. Serial No. 526,035. 23 Claims. (Cl. 172—238.)



3. The combination with a polyphase dynamo-electric machine wherein the electromotive force drops in the different phase windings have the opposite phase sequence from the electromotive forces of said windings, of means for, in effect, reversing the phase sequence of one of said sets of electromotive forces relative to the other.

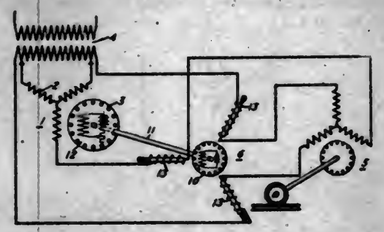
1,480,709. BALANCED PHASE-CONVERTING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1918. Serial No. 254,312. 14 Claims. (Cl. 172—238.)



1. The method of producing single-phase current which comprises dynamically combining a system of polyphase currents having a given phase-sequence with another system of polyphase currents having the same phase-number but the opposite phase-sequence, generating the desired single-phase current by the resultant alternating energy, and providing for the flow of currents between the two systems in such manner as to maintain substantially balanced conditions in the system.

3. The combination with two balanced polyphase systems of like phase-number, of means for deriving equal balanced polyphase components of current from each system, respectively, means for dynamically combining said components with opposite phase-sequence, whereby an alternating force is produced, means for generating a single-phase current by said alternating force, and means for providing for the flow of currents between the two systems in such manner as to maintain substantially balanced conditions in the systems.

1,480,710. BALANCING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 17, 1918. Serial No. 258,578. 46 Claims. (Cl. 172—246.)

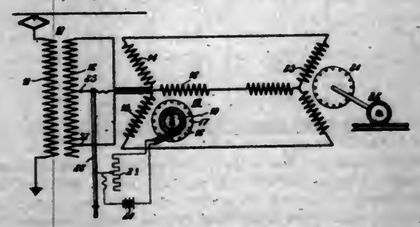


3. The combination with an alternating-current system having two component electromotive-forces, of a system carrying currents corresponding to only one of said components, and a dynamo-electric machine connecting said systems for precluding the flow of currents corresponding to the other of said component electromotive forces therebetween, said component electromotive forces being of such nature as to tend to drive said dynamo-electric machine at different speeds.

19. In a polyphase system of distribution, the combination with an unbalanced translating device, of a balanced translating device, a dynamo-electric machine connecting said devices for precluding the flow of unbalancing currents therebetween, and a unidirectional exciting means for said dynamo-electric machine.

21. An electrical system comprising a polyphase network having a balanced portion and an unbalanced portion, and a series balancer for automatically balancing the polyphase currents flowing between said portions, said series balancer comprising a dynamo-electric machine having a damper winding and having its rotor running backwardly at substantially synchronous speed.

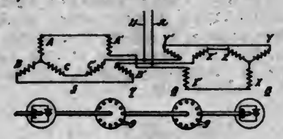
1,480,711. PHASE-CONVERTING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 16, 1918. Serial No. 262,809. 22 Claims. (Cl. 172—238.)



16. An electrical system including, in combination, a three-phase translating device, a single-phase transformer winding provided with three taps dividing the same into two winding elements, a dynamo-electric machine having non-interconnected three-phase primary windings and a damper winding, connections for connecting the three primary windings severally in series circuit relation between the respective transformer taps and the three-phase translating device, and means for shifting the intermediate transformer tap.

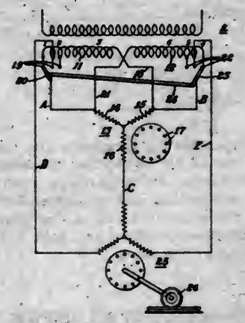
22. The method of operating a series synchronous phase-balancer to substantially prevent the flow of reverse phase-sequence currents in an unbalanced three-phase line, which consists in adjusting the unidirectional excitation of the balancer in accordance with the magnitude of the reverse phase-sequence symmetrical component voltage of the unbalanced line.

1,480,712. PHASE CONVERTER FOR SINGLE-PHASE CURRENTS. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 5, 1921. Serial No. 442,763. 12 Claims. (Cl. 172—246.)



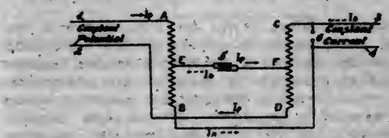
11. The combination with a plurality of dynamo-electric machines, of a polyphase system, said machines being connected in symmetrical relation to different conductors of said polyphase system, and dynamo-electric means connected in series with said conductors for providing a path for the flow of only symmetrical polyphase currents in said conductors.

1,480,713. PHASE-CONVERTER SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Nov. 16, 1918, Serial No. 262,809. Divided and this application filed Feb. 5, 1921. Serial No. 442,766. 5 Claims. (Cl. 172—246.)



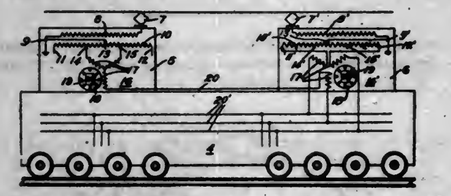
1. The combination with single-phase windings and a polyphase circuit, of a phase converter connecting said windings to said circuit for interchange of power, said windings being provided with taps whereby the voltage applied to the converter may be varied with respect to the voltage applied to the polyphase system, switch-arms for selectively engaging said taps, and connections whereby said converter operates as a shunt-connected machine when said switch-arms are in engagement with said taps and whereby said converter operates as a series-connected machine during the transition period in which said switch arms are disengaged from said taps in passing from one position to another.

1,480,714. SYSTEM OF DISTRIBUTION. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 1, 1921. Serial No. 497,755. 11 Claims. (Cl. 171—119.)



1. The combination with a supply circuit and a receiving circuit, of means for converting electrical energy from a constant potential in said supply circuit to a constant current in said receiving circuit, said means comprising a plurality of inductively related inductive devices, a condensive device associated therewith and means for varying the mutual inductance of said inductive devices while maintaining the self-inductance thereof substantially constant.

1,480,715. PHASE-CONVERTER SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 27, 1922. Serial No. 556,858. 28 Claims. (Cl. 172—246.)

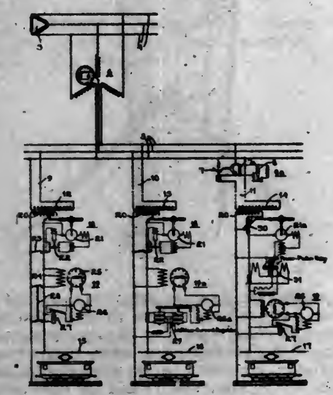


5. The combination with a single-phase system and a substantially balanced three-phase system, of phase converter means for providing an unbalanced three-phase system and for interconnecting the same for interchange of power with said single-phase system and with said balanced three-phase system, respectively, said unbalanced three-phase system having substantially an isosceles triangular polygon of electromotive forces in which the altitude is substantially 0.289 of the base.

6. In combination, a single-phase system, a substantially balanced polyphase system having one phase directly connected to said single-phase system and having a tertiary component electromotive force at substantially right angles to the single-phase electromotive force in said first-mentioned phase, and phase-converter means for providing an unbalanced polyphase system and for interconnecting the same for interchange of power with said single-phase system and with said balanced polyphase system respectively, said unbalanced polyphase system having, in effect, a tertiary component approximately half as large as said balanced system.

15. The method of operating a phase-converting system embodying shunt and series phase-converting machines, which consists in utilizing said shunt machine to perform materially less than the whole of the phase-converting operation under all load conditions and utilizing said series machine to complete the phase-converting operation.

1,480,716. PHASE-BALANCING SYSTEM. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1922. Serial No. 596,597. 15 Claims. (Cl. 172—246.)

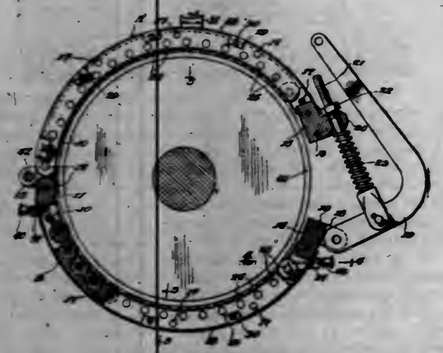


3. The method of operating a plurality of unbalanced single-phase loads from a polyphase supply line with

which is associated a dynamo-electric series phase balancer in series circuit relation to the load currents, said method comprising adjustably transforming the resultant unbalanced voltages to maintain predetermined voltage conditions on the respective single-phase loads.

6. The combination with a polyphase supply line and a plurality of single-phase load lines, of means for maintaining an instantaneous balance in the currents drawn from the supply line and means for individually adjusting the voltages in the respective single-phase lines.

1,480,717. BRAKE BAND. WILLIAM L. FOURNIER, Seattle, Wash. Filed Sept. 9, 1922. Serial No. 587,108. 8 Claims. (Cl. 188—262.)



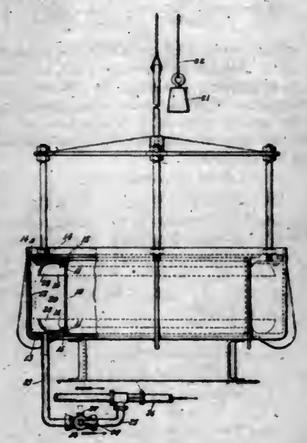
5. A brake band including companion pivoted sections each having side bars, gripping rollers provided at their ends with trunnions journaled in said side bars, the side bars being formed with lubricant channels having passages leading therefrom to the trunnions of said rollers, and lubricant cups feeding said channels.

1,480,718. WIREBOUND SHIPPING PACKAGE. NEIL A. FOWLER, Indianapolis, Ind., assignor, by mesne assignments, to Wirebounds Patents Company, a Corporation of Maine. Filed July 6, 1915, Serial No. 38,178. Renewed Mar. 17, 1921. Serial No. 452,996. 35 Claims. (Cl. 217—44.)



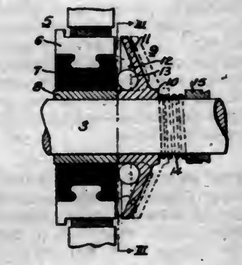
1. A wirebound package comprising a considerable number of comparatively narrow strips of thin material arranged with their edges abutting at their inner corners, each of said strips being provided with a transverse cleat having a maximum length substantially equal to the width of the sheet and having its ends beveled at an angle materially less than 45°, binding wires extended transversely across the series of strips and firmly attached thereto, said binding wires being extended beyond the series of strips to facilitate fastening.

1,480,719. METHOD AND APPARATUS FOR MAKING OR MANIPULATING TIRES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 15, 1920. Serial No. 389,171. 19 Claims. (Cl. 154—10.)



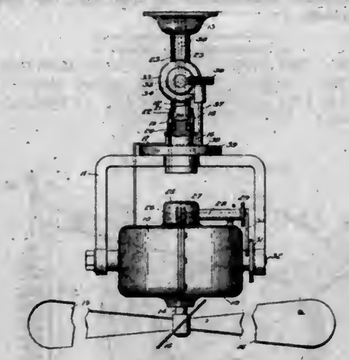
18. In an apparatus for forming a tire casing from an endless band, means for supporting the band by its edge portions and moving these portions relatively axially of the band and means for creating differential fluid pressures on the opposite faces of the band, to distend the middle portion thereof, the fluid acting directly against the faces of the band.

1,480,720. SHORT-CIRCUITING DEVICE. GEORGE H. GARCELON, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 12, 1922. Serial No. 581,317. 6 Claims. (Cl. 172—279.)



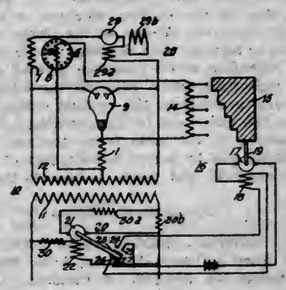
1. A short-circuiting device for dynamo-electric machines of the commutator type comprising a short-circuiting member adapted to be carried by said machine and in spaced relation with respect to the commutator cylinder thereof, and a substantially spherical contact member adapted to be confined between said short-circuiting member and said commutator cylinder for movement both about constantly changing axes and for movement in a radial direction into and out of short-circuiting engagement with the segments of said commutator cylinder and said short-circuiting member.

1,480,721. FAN. MAURICE M. GLASSER, Charleston, S. C. Filed Mar. 15, 1923. Serial No. 625,848. 7 Claims. (Cl. 230—1.)



1. In a fan, the combination of a motor and its rotor, a series of blades carried by the rotor, means for oscillating the rotor and blades, and means for revolving said rotor and blades, said rotor oscillating and revolving means being operable independently of one another.

1,480,722. MEANS FOR AND METHOD OF ELIMINATING HARMONIC DISTURBANCES. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,748. 25 Claims. (Cl. 172—238.)

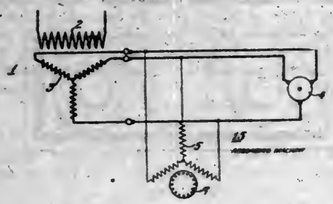


3. In combination with an alternating-current circuit and a rectifier connected thereto, a squirrel-cage induction machine having its primary connected in parallel with said rectifier, and a series inductance device included in the connections between said rectifier and said alternating-current circuit.

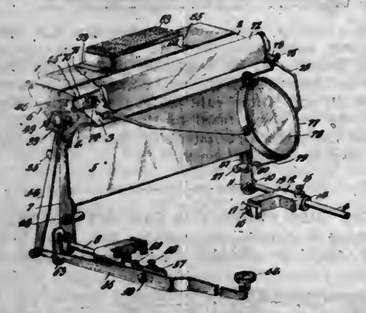
9. In combination with an alternating-current rectifier and a transformer supplying power thereto, dynamo-electric means for adjusting the phase of the higher-harmonic currents relative to the phase of the primary fundamental wave of the transformer current.

1,480,723. ABSORPTION OF CURRENTS OF UNDESIRABLE FREQUENCIES. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,750. 14 Claims. (Cl. 172—238.)

2. The combination with a dynamo-electric machine having primary and secondary circuits, said secondary circuit carrying currents of a plurality of frequencies, of means connected to said secondary circuit and furnishing a negligibly small conductance to currents of one of said frequencies but being substantially a short circuit for currents of the other frequencies.

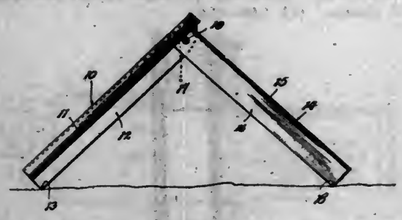


1,480,724. COMBINED COPYHOLDER, SIGHT READER, AND SPACER. GEORGE C. HOHEIN, Clarendon, Va. Filed Oct. 2, 1922. Serial No. 591,860 4 Claims. (Cl. 120—32.)



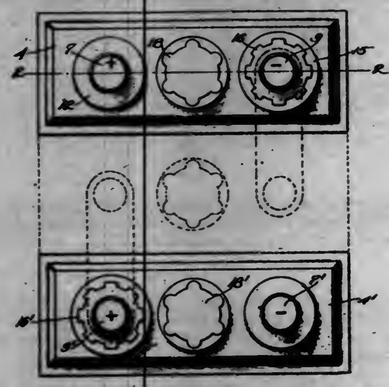
3. A device of the class described including a body provided with a line displaying opening, a roller journaled in the body below the opening, means for rotating the roller, a frame fulcrumed in the body, a guide rod disposed at the upper end of the frame in substantial horizontal alignment with the opening of the body, a roller journaled in the frame in horizontal alignment with the first mentioned roller, a spring engageable with the frame for holding the second mentioned roller in engagement with the first mentioned roller, a rod rotatable on the frame, a cam keyed to the rod and engageable with the body, and means for rotating the rod so as to engage the cam with the body so as to fulcrum the frame thereby separating the two mentioned rollers.

1,480,725. WHEEL CHOCK. ELI ISRAEL, Wilkes-Barre, Pa. Filed Feb. 3, 1922. Serial No. 533,873. 5 Claims. (Cl. 188—32.)



1. A wheel chock including pivotally connected channel-shaped members each open at one side and movable into divergent relation locked against each other, the members being foldable into nested relation each closed at its open side by the other.

1,480,726. STORAGE BATTERY. LOUIS JACQUEMIN, Orlando, Fla. Filed July 2, 1923. Serial No. 648,864. 4 Claims. (Cl. 204—29.)



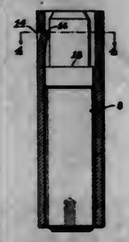
4. In a storage battery, the combination of a plurality of battery units each including a jar containing the battery elements of its respective unit, connections between the electrodes of the units, and a metal cover for each of the end jars of said units, the negative terminal of one end jar being fused to the metal cover for said jar and the positive terminal of the opposite end jar being fused to its metal cover.

1,480,727. SIDE FRAME FOR FREIGHT-CAR TRUCKS. WILLIAM F. KIESEL, Jr., Altoona, Pa. Filed Nov. 20, 1922. Serial No. 602,138. 13 Claims. (Cl. 105—205.)



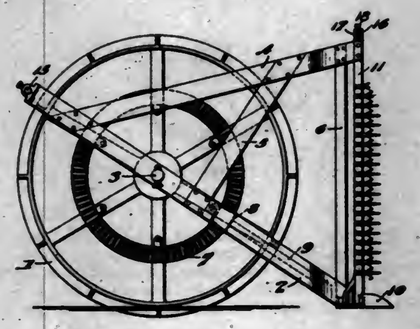
1. A truck side frame comprising an upper chord, a lower chord, and upright struts defining with said chords a central bolster opening, said lower chord depending from said upper chord as nearly as practicable in the form of a catenary and having a U-section opening downwardly below said bolster opening, and opening upwardly through the remainder of its extent.

1,480,728. THREAD-HOLDING DEVICE. WILLIAM E. KING, Needham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 24, 1920. Serial No. 398,613. 5 Claims. (Cl. 242—138.)



5. A thread holder comprising a stationary base, a cop spindle secured at one end to the base, a thread cop provided with a cop tube having its wall bent inward near one end to form a stop for preventing the placing of the cop on the spindle this end first, and a thread guide arranged substantially in line with the free end of the spindle.

1,480,729. EXTENSION SICKLE FOR MOWING MACHINES. CHARLES W. LEFLER, Boise, Idaho. Filed Mar. 10, 1921. Serial No. 451,117. 2 Claims. (Cl. 56—233.)



1. An extension sickle for mowing machines including with a substantially U-shaped main frame member to be mounted on the axle of a mowing machine and embrace one of the ground wheels thereof, supporting frame members and braces associated with the main frame member to provide a supporting frame structure extending forwardly and substantially in vertical line with the shoe of the mowing machine, a hollow shoe mounted on the lower portion of the frame structure to receive and be secured upon the shoe of the mowing machine, an extension sickle structure pivoted at one end upon the supporting frame adjacent the hollow shoe to swing to any angle from the vertical outwardly, a rod pivoted on the outer end of the extension sickle bar, a holder mounted on the main frame through which said rod is slidable and by which adjustments of the extension sickle are held, and means to operate the extension sickle.

1,480,730. DENTAL SHOULDER-CUTTING INSTRUMENT. JOHN A. LENTS, Phoenix, Ariz. Filed May 31, 1922. Serial No. 564,790. 5 Claims. (Cl. 32—10.)



1. A dental instrument for cutting a shoulder into a tooth comprising a rotary bur and a sheath for the same leaving one side of the bur free for lateral engagement with the tooth at any desired elevation.

1,480,731. DOOR-HANGER STRUCTURE. LON LIGHT and NORMAN E. WILKINS, Cedar Rapids, Iowa. Filed July 26, 1922. Serial No. 577,509. 5 Claims. (Cl. 16—88.)

1. A door hanger structure comprising a tubular track having a longitudinal slot in its lower portion, a hanger plate movable longitudinally in said slot, oppositely

facing pockets in the upper portion of said plate and positioned within the track, and antifriction balls

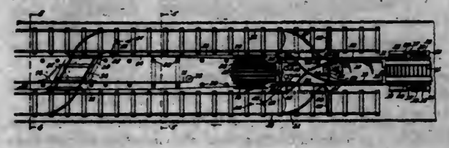


mounted in said pockets, one of said pockets adapted to support the door through its respective ball upon the lower portion of the track.

1,480,732. PLATFORM SCALE. JOSEPH J. MAGRADY, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,837. 6 Claims. (Cl. 94—4.)

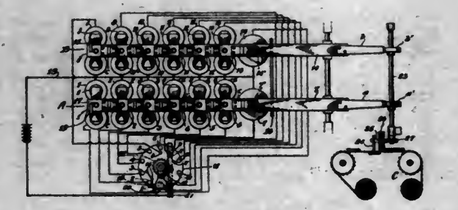
1. An all-metal deck for heavy duty platform scales including a series of spaced parallel supporting beams, a series of spaced parallel channel beams inverted upon, and disposed at right angles to, the said supporting beams, clamping members secured to the several supporting beams at spaced points therealong, said clamping members being disposed within and connected to the channel beams and completely covered and protected thereby and bolts connecting said clamping members with the channel beams.

1,480,733. SYSTEM AND APPARATUS FOR MINING COAL. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Apr. 28, 1920. Serial No. 377,415. 70 Claims. (Cl. 262—1.)



1. In a system of mining, the combination with a mine track extending longitudinally along a mine chamber, of a plurality of track extensions in stacked relation and mounted directly on the forward portion of said track, and means for sliding said stack or track extensions beyond the end of said track to effect the laying of said track extensions one after another beyond the end of said track and in continuation thereof to extend the length of said track longitudinally along the mine chamber.

1,480,734. ACTUATING DEVICE. KARL O. NELSON, Mineola, Long Island, N. Y. Filed Oct. 28, 1920. Serial No. 420,323. 37 Claims. (Cl. 234—1.5.)

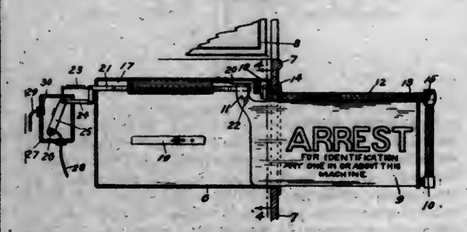


1. Actuating devices comprising in combination, a movable actuating element, a series of power applying members adapted to operate it, and a stop associated with each such member adapted to limit the movement of said actuating element, each stop being effective to limit movement of said actuating element only when its power applying member is active and thereby adapting said actuating element to be moved to successive different positions according to the actuation of the power applying members.

13. Actuating devices comprising in combination, an actuating element subject to actuation by power applied thereto, a series of movably mounted members associated with said actuating element, means movable in opposite directions in response to the movement to be made the basis of actuation of the actuating element and operatively related to said movably mounted members for giving controlled actuating movement to said actuating element whatever the direction in which said means moves.

36. A recorder comprising in combination a control movable in opposite directions in correspondence with movements which are to be made the basis of the record, a stylus, an actuating lever operatively connected therewith, a series of pivotally or flexibly mounted members carried by the lever, a corresponding series of operating means, a series of stepped stops corresponding to said pivotally or flexibly mounted members, and operative connections between said control and said operating means.

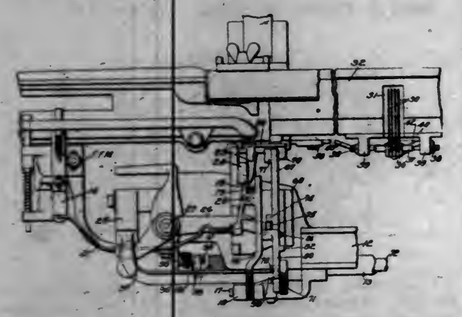
1,480,735. AUTO THEFT-PREVENTING DEVICE. ROBERT O. NELSON, San Francisco, Calif. Filed July 27, 1923. Serial No. 654,243. 5 Claims. (Cl. 40—2.2.)



1. The combination with a motor vehicle, of a sign plate movable from a concealed to an exposed position,

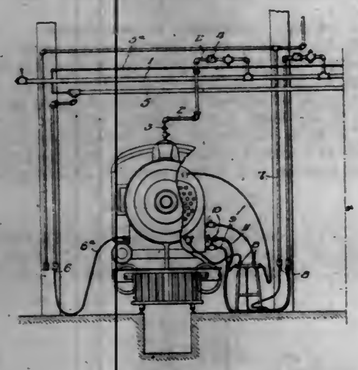
means operable by so moving the plate to break an ignition circuit, and means for locking the plate in said exposed position.

1,480,736. FEELER LOOM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1919. Serial No. 250,412. 12 Claims. (Cl. 139—228.)



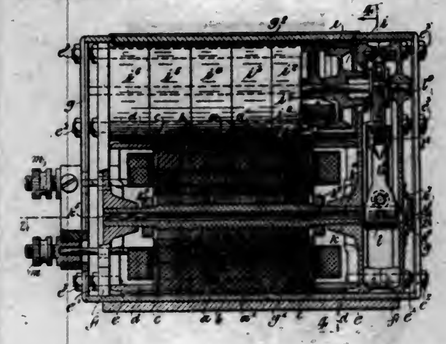
1. A weft replenishing loom having, in combination, loom controlling devices, a filling feeler mechanism, a filling detector mechanism, and connections between the two mechanisms having provision whereby the loom controlling devices are rendered inoperative on the first pick of the shuttle after replenishment.

1,480,737. METHOD OF AND SYSTEM FOR WASHING OUT BOILERS. SPENCER OTIS, Chicago, Ill. Filed Jan. 29, 1920. Serial No. 354,767. 17 Claims. (Cl. 122—396.)



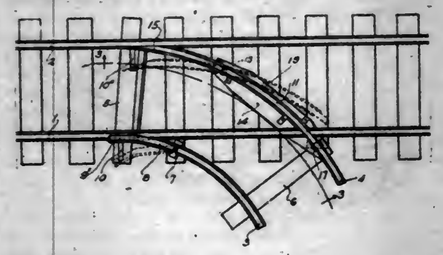
1. The improvement in the art of washing out steam boilers while under pressure, which consists in delivering into the boiler, under a pressure sufficient to overcome the pressure of the boiler and causing to rise through the water of the boiler a gas that is non-absorbing in the water, thereby bringing the sediment to a state of suspension in the water, collecting the added gas under pressure in the steam space of the boiler and evacuating the resultant water and sediment by pressure within the boiler.

1,480,738. MAGNETIC COUNTER. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,693. 5 Claims. (Cl. 235—92.)



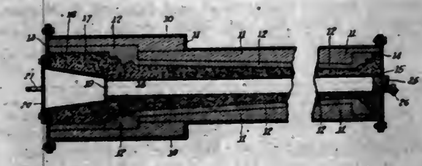
1. A magnetic counter comprising counting mechanism, an electromagnetic actuating mechanism having an oscillating armature, and operative connections between the armature and the counting mechanism including a toggle lever.

1,480,739. CROSSOVER MINE SWITCH. ROBERT T. BAGBY, Birmingham, Ala., assignor of one-half to E. M. Kilby, Birmingham, Ala. Filed June 9, 1923. Serial No. 644,343. 11 Claims. (Cl. 238—12.)



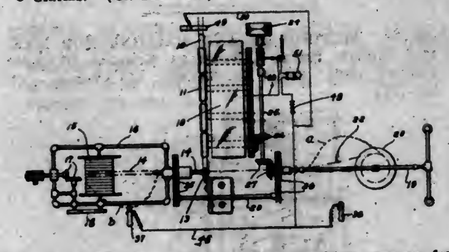
5. In a cross-over switch, the combination with main track rails and siding rails, of a pivoted latch rail operable to connect one main and one siding rail, and an intermediately pivoted turn-out rail adapted to connect the other main and the other siding rail, and means to elevate the movable switch rails as they are shifted towards operating position.

1,480,740. PROCESS OF MAKING AND CURING HOLLOW CONCRETE BODIES. HENRY A. BARKSCHAT, Los Angeles, Calif. Filed Mar. 18, 1922. Serial No. 544,763. 5 Claims. (Cl. 25—155.)



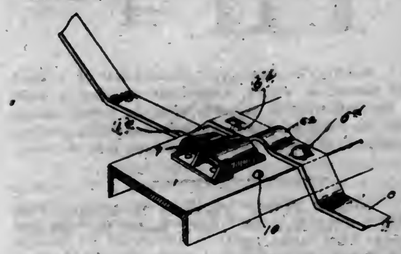
1. A process of curing a hollow concrete body that includes introducing steam into the interior of the body under pressure and holding it in the interior under a pressure.

1,480,741. STOP MOTION FOR FLEXIBLE-TUBE-MAKING MACHINES. STEPHEN W. BOURN, Providence, R. I. Filed Nov. 9, 1922. Serial No. 599,955. 5 Claims. (Cl. 113—35.)



1. In a flexible conduit making machine, means for winding a strip of metal into tubular form, means for feeding the strip to the point of winding, means for advancing the tube as wound and means for automatically stopping the machine if the strip or tube move from their normal line of travel.

1,480,742. MOUNT FOR THIRD OR FOURTH POINT SUPPORTS FOR BRAKE BEAMS. EDWIN G. BUSSE, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 12, 1921. Serial No. 491,800. 10 Claims. (Cl. 188—213.)



5. The combination of a part of a car truck, a bracket thereon, a flexible third or fourth point support having a projection formed in its truck engaging portion, said projection being adapted to interlockingly engage said bracket, whereby said support is held against longitudinal movement in said bracket, and a fixed projection on said part of the car truck and in the path of movement of said support to and from its operative position for holding said support against lateral movement when in its home position.

1,480,743. METHOD OF PREVENTING SULPHUR DIOXIDE IN SMELTER GASES. GEORGE CAMPBELL CARSON, San Francisco, Calif. Filed May 21, 1917. Serial No. 170,092. 3 Claims. (Cl. 75—60.)



3. A method of oxidizing metal sulphides which consists of introducing them in a divided condition into a gas mixture produced by heating an oxide gas mixture produced by heating an oxide of sulphur to dissociation.

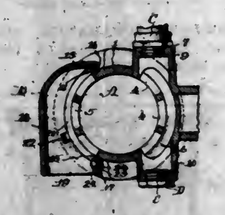
1,480,744. CLOTHES WRINGER. FLOYD L. CHAMBERLAIN, Waterloo, Iowa. Original application filed Feb. 17, 1921, Serial No. 445,702. Divided and this application filed Apr. 17, 1922. Serial No. 554,151. 3 Claims. (Cl. 68—82.)

1. A clothes wringer, comprising in combination, a frame, a pair of coacting rolls rotatably mounted therein, a rock-shaft provided with cranks and mounted in said frame with one bent angularly, a deflector positioned below said rolls and above said rock-shaft, pivotally



mounted on said cranks, and a releasbale gravity-locking device adapted to interlock with the bent end of said rock-shaft when said deflector is in either of oppositely extended positions.

1,480,745. REVERSIBLE CYLINDER. HARVEY W. CUTSHALL, Chicago, Ill., assignor to Mudge & Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1922. Serial No. 595,911. 5 Claims. (Cl. 123—193.)



5. In an internal combustion engine, a cylinder, exhaust port or ports through its wall, a pair of circumferentially extending ribs on the outside of the cylinder, one on each side of said exhaust port or ports, a pair of radially and longitudinally extending lugs on the cylinder between said rib ends, one at each end of the exhaust port or ports, the outer face of each lug being centrally recessed, in combination with an open bottomed, removable deflector hood member, the side walls of which have curved faces to fit upon the cylinder and to fit over said circumferential ribs, a downwardly projecting lug or hook member on said deflector adapted to fit over and engage one of the longitudinally extending cylinder lugs, a front wall member on the deflector, one edge of which is adapted to engage the edge of the other cylinder lug and is provided with a recess complemental to the recess in said lug, and a locking bolt in said registering recess.

1,480,746. SEPARABLE FASTENER. NAOMI I. DE BIE, West Medford, Mass. Filed Oct. 31, 1921. Serial No. 511,682. 7 Claims. (Cl. 24—109.)



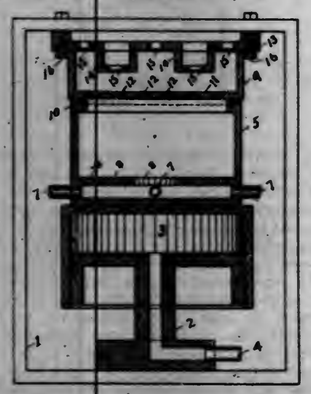
1. A device of the class described comprising a head member, a pair of resilient substantially parallel prongs fixedly secured thereto, said prongs being provided respectively with oppositely directed, outstanding shoulders, and having inclined cam like surfaces leading from said shoulders to their respective, free extremities, and a shallow open cap-like guard member having inturned flange means defining a central broadly elliptical opening and engageable with said shoulders, the prongs substantially maintaining their parallel relationship after application of the cap.

1,480,747. MEANS FOR VENTING CORE BOXES. HENRY L. DEMMLER, Kewanee, Ill. Filed Aug. 13, 1921. Serial No. 492,032. 6 Claims. (Cl. 22—13.)



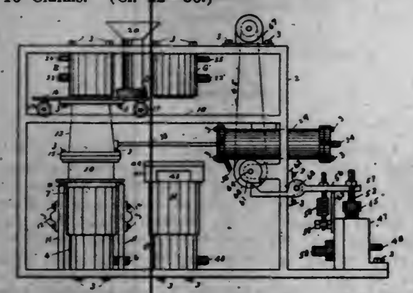
1. A mold or core box provided with outlet openings, and perforated plugs secured in the respective openings.

1,480,748. MOLDING APPARATUS. HENRY L. DEMMLER, Kewanee, Ill. Filed Aug. 16, 1921. Serial No. 492,810. 14 Claims. (Cl. 22—36.)



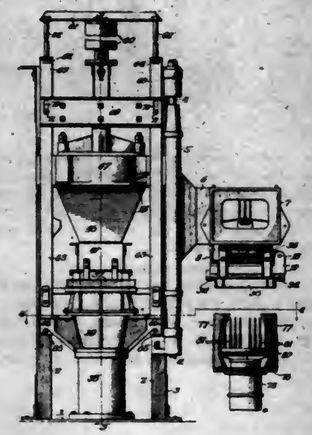
1. The combination of a flask provided at one end with a plate having openings for the admission of sand and air, and a closure plate for the other end of the flask having openings adapted to permit the escape of air and prevent the escape of sand.

1,480,749. MOLDING MACHINE. HENRY L. DEMMLER, Kewanee, Ill. Filed Sept. 6, 1921. Serial No. 498,650. 16 Claims. (Cl. 22—36.)



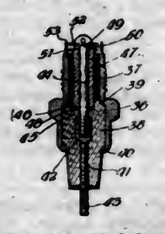
1. In a molding machine, the combination of a sand container, means for compacting sand in the container, means for securing a mold form to the container, and means for forcing sand from the container into the form by gaseous fluid pressure.

1,480,750. METHOD OF AND MACHINE FOR MAKING MOLDS. HENRY L. DEMMLER, Kewanee, Ill. Filed Feb. 15, 1922. Serial No. 536,668. 37 Claims. (Cl. 22—36.)



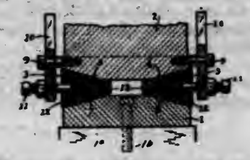
1. In a molding machine, the combination of a sand container having an outlet, means for securing a mold form to the container in register with the outlet, means for jolting the container, and means for supplying gaseous fluid pressure to the container to force sand into the form.

1,480,751. SPARK PLUG. FRANKLIN H. ELWELL, Chicago, Ill. Filed Mar. 29, 1920. Serial No. 369,828. 2 Claims. (Cl. 123—169.)



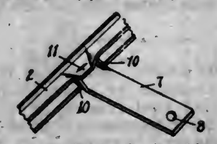
1. In a spark plug of the kind described and in combination, a metallic body part having an opening therethrough, a core of insulating material arranged in said body part and projecting therefrom at the outer end thereof, gaskets arranged between the body and core, means for substantially permanently and inseparably securing said core in place, an electrode comprising two parts detachably connected together, one part permanently imbedded in said core between its ends so as to be integral therewith and projecting therefrom at the outer end thereof, the inner end of said electrode part enlarged and provided with a threaded recess, said core recessed at its inner end and having an opening connecting with said recess and with the recess in said electrode. The other electrode part being of a size to closely fit within said opening and threaded so as to engage with said recess of the first mentioned electrode part, said second electrode provided with a head at its opposite end and flanged about said head, a sleeve of insulating material arranged between the head of the second electrode and engaging the bottom of the recess in said core, and provided with a very thin flange of insulating material extending outwardly to adjacent the inner wall of the opening in the body part.

1,480,752. ELECTRIC WELDING MACHINE. LLOYD L. EVANS, Cleveland, Ohio, assignor to The American Welding & Mfg. Company, Warren, Ohio, a Corporation of Ohio. Filed Aug. 28, 1922. Serial No. 584,886. 12 Claims. (Cl. 219—4.)



1. A sliding contact block for electric welding machines including a stationary base member, an upper slidable member, said members having opposed oppositely inclined faces, wedge blocks fitting between the opposed faces of said members, means for connecting said wedges with one of said members whereby longitudinal movement of said wedges with respect to one of said members is prevented.

1,480,753. SPRING STRUCTURE. WILLIAM A. FALLS, Detroit, Mich., assignor to The L. A. Young Industries, Inc., Detroit, Mich. Filed Jan. 12, 1923. Serial No. 612,183. 7 Claims. (Cl. 5—246.)



7. In a spring structure, the combination with the springs, of a support therefor comprising a supporting member of U cross section engaging coils of the springs, and an attaching member adapted for attachment to a support for the spring structure and having one end disposed within the channel of said supporting member and conformed to receive a part of the supporting member clamped thereon whereby the attaching member is secured to the support member.

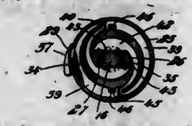
1,480,754. SHAVING BRUSH. LOUIS FOLTAN, New York, N. Y. Filed July 20, 1922. Serial No. 576,236. 5 Claims. (Cl. 15—137.)



1. A shaving brush comprising a circular block having an axial passage leading therethrough, bristles on said head grouped about the mouth of said passage to leave a central space, a hollow handle fixed to said block and adapted to enclose a flexible shaving cream container, a follower in said handle, and means for moving said follower longitudinally of said handle, and a valve controlling the said passage through the said block, and a device communicating with the said passage for forcing air under pressure thereinto to expel the cream therefrom.

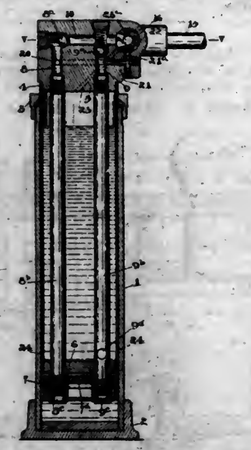
1,480,755. CUFF BUTTON. OVE L. GAMMELL, Attleboro, Mass., assignor to Smith and Crosby, Attleboro, Mass., a Firm composed of Alfred D. Crosby and George H. Crosby. Filed Sept. 19, 1923. Serial No. 663,611. 6 Claims. (Cl. 24—10.)

1. A separable cuff button formed in two parts each having a post, a stud carried by one post, a casing supported by the other post provided with an opening to receive the stud, yieldable cam members mounted within



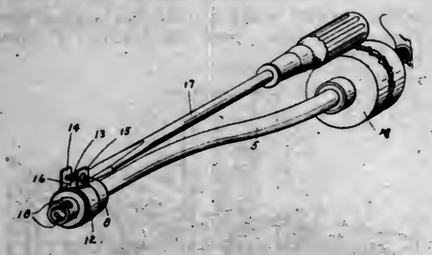
the casing extending across the opening adapted to engage and retain the stud, and rotatable means in the casing engaging the cams for releasing the stud.

1,480,756. HYDROSTATIC JACK. DALLAS F. GRAHAME, Toronto, Ontario, Canada, assignor to Hydrostatic Jacks, Limited, Toronto, Canada. Filed Sept. 2, 1922. Serial No. 586,377. 8 Claims. (Cl. 138—9.)



1. A hydrostatic jack provided with a return passage for reversing the flow of liquid to lower the movable part of the jack; a pump having a hinged connection with the jack; and means for controlling the flow of liquid through the said passage formed in the hinged connection between the pump and the jack.

1,480,757. COUPLING. EDWARD HAFER, Cincinnati, Ohio. Filed Sept. 14, 1922. Serial No. 588,237. 2 Claims. (Cl. 285—1.)

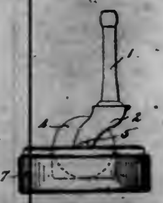


2. In a device of the class described, the combination of a tube, and a coupling revolubly mounted on the tube, the coupling being provided with a seat for receiving the end of a screw driver for imparting rotation to the coupling.

1,480,758. CASTER CUP. WILLIAM T. HIGHT, Boston, Mass., assignor to W. T. Hight Co., Boston, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1923. Serial No. 612,581. 3 Claims. (Cl. 45—137.)

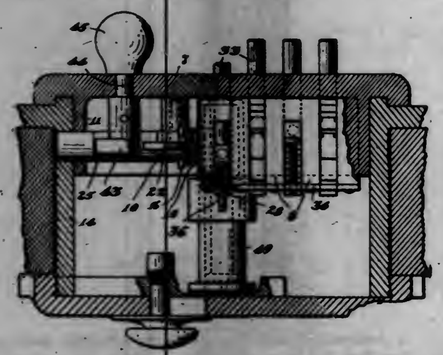
1. A caster cup having a caster recess shaped to prevent a caster from sliding or rolling out of the cup, the

cup being formed of a solid block of material and the recess having integral upright side walls closely confining the caster on both sides, lateral and angular move-



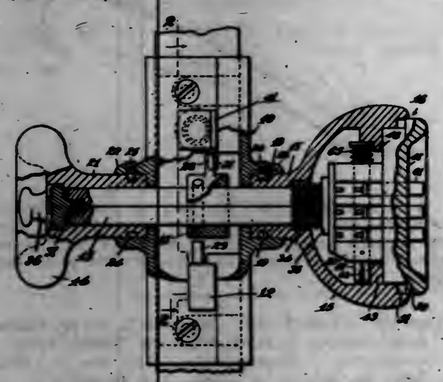
ment of the caster relative to the cup being restrained by engagement between the sides of the caster and said upright walls.

1,480,759. LOCK. ELBERT A. HILL, Los Angeles, Calif., assignor to Stop-Burglar Lock Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 14, 1922. Serial No. 536,581. 8 Claims. (Cl. 70—54.)



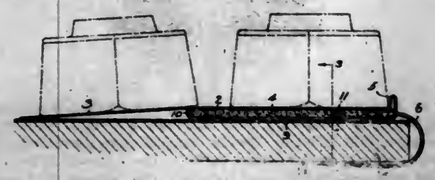
1. In a lock a reciprocal bolt, a plurality of rotary tumblers mounted for complete rotation on said bolt, spring means for retracting said bolt, means on said tumblers engageable with said bolt for holding the bolt in advanced position in opposition to said spring means, and means whereby retraction of the bolt relative to the tumblers may be permitted on disposing of said tumblers in a pre-determined position relative to each other.

1,480,760. LOCK. ELBERT A. HILL, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,770. 8 Claims. (Cl. 70—58.)



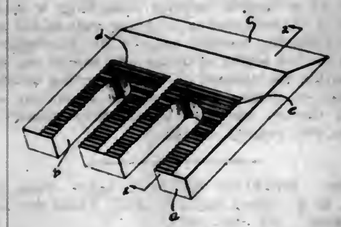
1. In a lock, door locking means, a knob for operating said door locking means to unlock the lock, means whereby the knob is normally disposed out of operative relation to said door locking means, a rotary element on said knob, means whereby turning said element in relation to said knob will position the knob in operative connection with the door locking means whereby on turning the knob the door may be unlocked, and a lock carried by said rotary element for locking it in either an operative or inoperative position.

1,480,761. STAND FOR SADIRONS. CHARLES H. HOOK, Pittsburgh, Pa. Filed Sept. 13, 1920. Serial No. 409,890. 3 Claims. (Cl. 68—27.)



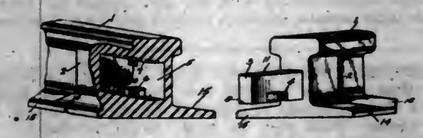
3. A sad iron stand comprising a single sheet of metal bent to form the top, bottom and the front and rear sides of a box-like body portion having an upstanding flange at one edge and having an inclined plane portion at its opposite edge, a filling of heat-insulating material contained within the said body portion, and side flanges formed integral with the said metal sheet for retaining the said insulating material within the said body portion.

1,480,762. HOG KNIFE. EVERETT F. HOWARTH, Fitchburg, Mass., assignor, by mesne assignments, to Simonds Saw and Steel Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed July 27, 1922. Serial No. 577,827. 2 Claims. (Cl. 144—241.)



1. A tool of the class described comprising a substantially flat plate beveled at one edge to form a cutting element and having a recess extending inwardly from its opposite edge to accommodate a bolt for securing it to a holder, and a series of ribs projecting upwardly from the surface of the plate at either side of the recess, said ribs inclining away from the cutting edge of the plate and having sharp edges extending substantially parallel to said cutting edge.

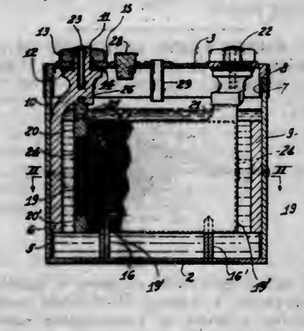
1,480,763. RAIL JOINT. DAVID B. HUEY, Youngstown, Ohio. Filed Sept. 15, 1922. Serial No. 588,497. 1 Claim. (Cl. 238—231.)



In a rail joint, the combination of abutting rails having thickened webs at each end, a straight four cornered

member projecting out of one rail end, a notch centrally formed on the under side of said projection, a rail end provided with a recess for the reception of said projection, said recess having a lug centrally located upon the lower surface of said recess, this lug being of a size and shape so as to engage in the notch above mentioned, openings formed in the side walls of said recess, these openings being located a distance from the bottom of said recess equal to the vertical height of the projection above mentioned, a square bodied securing bolt projecting through said wall side openings of said recess and directly over the upper surface of said projection, a yoke member formed to embrace the lower flanges of said rails, openings in said yoke, semi-circular notches in the lower flanges of said rail and means for securing said bolt, substantially as described for the purpose set forth.

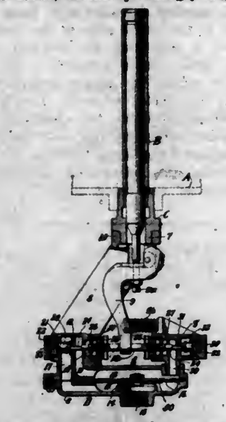
1,480,764. ELECTRIC ACCUMULATOR OR BATTERY FOR MINERS' SAFETY ELECTRIC LAMPS. RICHARD KOCH, Pittsburgh, Pa. Filed Feb. 9, 1923. Serial No. 617,900. 5 Claims. (Cl. 204—29.)



1. An electric accumulator comprising a container, positive and negative electrodes disposed in spaced relation in said casing, with substantially the entire space between adjacent faces of said electrodes free and unobstructed, the negative electrode comprising spaced portions forming a unit which snugly fits the interior of the container whereby to prevent lateral movement therein, the said positive electrode comprising two spaced plates rigidly connected at their tops to form a unitary structure disposed intermediate the said portions of the negative electrode, a terminal post projecting upwardly from the connection between the said plates and fitting within an aperture in the top closure of the container whereby to anchor the same against lateral movement, a supporting rest upon which the lower portions of the positive electrode plates seat, said rest being provided with an upstanding finger bridging the gap between said plates to anchor the same against lateral movement, and a solid electrolyte filling the spaces between the several parts whereby to form a solid, rigid and unitary structure.

1,480,765. SNAP-VALVE MECHANISM. JOHN H. KOLTS, Crafton, Pa., assignor to Pittsburgh Water Heater Company, a Corporation of New Jersey. Filed Aug. 26, 1921. Serial No. 495,624. 12 Claims. (Cl. 236—48.)

1. In a heater, the combination with the thermostat and its lever, of a snap valve comprising a casing, a diaphragm dividing said casing into two compartments, one of which is provided with an inlet and outlet, and the other of which has a relief outlet, a port establishing communication between the two compartments, a valve controlling said port and a valve controlling said relief outlet, the stems of which are adapted to be engaged by the lever, means yieldingly urging said valves



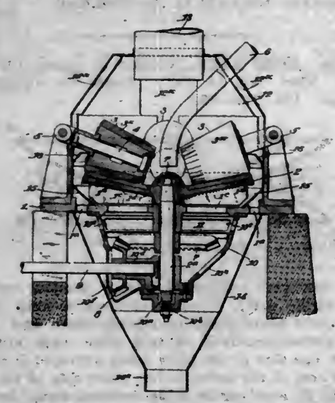
to closed position, and a seat adjacent the first mentioned outlet on which said diaphragm is adapted to seat upon opening of the relief outlet.

1,480,766. FLY. LEWIS P. KELLY and HARRY W. KELLY, Peoria County, Ill. Filed Mar. 17, 1923. Serial No. 625,706. 10 Claims. (Cl. 43—48.)



6. A fish-hook having a shank irregular in cross sectional form, a bundle or tuft of hair disposed upon that side of the shank lying nearest the barb of said hook, the strands thereof being separated in fan-like form and extending from said shank beyond the barbed end of the hook and lying parallel to and upon said hook and its barb covering the same, and means to secure the bundles or tufts in position and for maintaining the separation of said strands in said fan-like form.

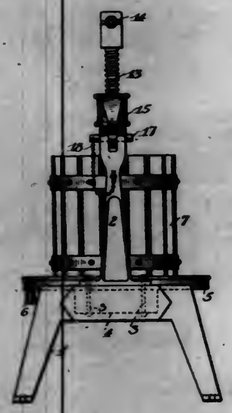
1,480,767. PULVERIZER. OTTO A. KREUTZBERG, Lake Bluff, Ill. Filed Feb. 24, 1920. Serial No. 360,820. 10 Claims. (Cl. 83—45.)



1. A pulverizer comprising in combination with a fixed support, a rotating table whose upper surface com-

prises a central upraised portion and an annular track encompassing said portion, said annular surface being inclined slightly upward substantially from the central up-raised portion to the outer edge of the table; pulverizing rollers lodged to roll upon the annular inclined surface and having their shafts pivoted to permit vertical oscillation of the rollers in planes substantially radial with respect to the table, whereby nearly the entire weight of the rollers operates for crushing material on the table; means for delivering the material to be treated onto the table adjacent the inner ends of the rollers, and means for receiving the pulverized material from the outer circumference of the table.

1,480,768. KNOCKDOWN PRESS. WILLIAM J. KRIEG, Rochester, N. Y. Filed Nov. 29, 1922. Serial No. 604,066. 1 Claim. (Cl. 100—44.)



A knock-down press comprising metal ends including base portions and independent upright portions, a wooden support connecting the base portions and located beneath the tops thereof, said upright portions being located above the tops of the base portions, attaching bolts each of which is common to a base portion, upright portion, and the wooden support when in operative position and acts to secure the upright portion and wooden support to the base portion, a crosshead pivotally mounted on one of said upright portions and detachably connected to the other of said upright portions, and a screw movable vertically in the cross-head.

1,480,769. HOSE REEL. GEORGE J. LEBER, Cleveland, Ohio. Filed July 14, 1921. Serial No. 484,717. 11 Claims. (Cl. 242—86.)



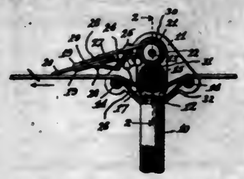
1. A hose reel comprising a body portion consisting of a metallic plate, a series of arms secured to each side of said plate near its circumference and equally spaced circumferentially of said plate, each arm in a series on one side of the plate being arranged to register with an arm of the series on the other side of the plate, the arms in each series being inclined away from the arms in the other series and a rim mounted on the free ends of the arms of each series.

1,480,770. KNOCKDOWN HOSE REEL. GEORGE J. LEBER, Cleveland, Ohio. Filed Dec. 22, 1922. Serial No. 608,414. 19 Claims. (Cl. 242—86.)



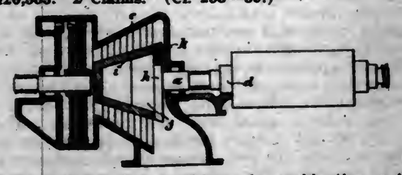
1. A hose reel comprising two knockdown similarly formed nestable halves, each comprising a dished, frustum cone-shaped portion, and means for detachably connecting said halves together thereby forming a V-shaped hose receiving portion.

1,480,771. SAFETY-RAZOR STROPPER. WILLIAM H. LISH, York, Pa. Filed May 16, 1922. Serial No. 561,365. 3 Claims. (Cl. 51—153.)



1. In a safety-razor-blade stropper, a handle and a pair of side-plates, a flopping blade-holder journaled in the side-plates, a series of strop-guiding rollers journaled in the side-plates, the central one of which is bodily movable toward and from the journal of the blade-holder, a gear carried by the blade-holder, and a companion gear carried by said central roller, for the purpose set forth.

1,480,772. TURBINE COUPLING. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Oct. 29, 1920. Serial No. 420,553. 2 Claims. (Cl. 253—39.)



1. In turbine driven machinery in combination, a turbine drum, a casing surrounding said drum, a driven machine beside said casing, the unsupported end of the shaft of said machine extending into said casing and a rigid connection between said end and said drum within said casing.

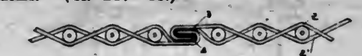
1,480,773. REED ARTICLE AND METHOD OF MAKING THE SAME. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed July 13, 1921. Serial No. 484,393. 7 Claims. (Cl. 147—48.)

1. The herein described method of producing woven reed articles of tubular form from non-tubular fabric that consists in providing a non-tubular piece of woven reed fabric, securing metallic binder strips to opposite end portions thereof, forming the fabric into tubular



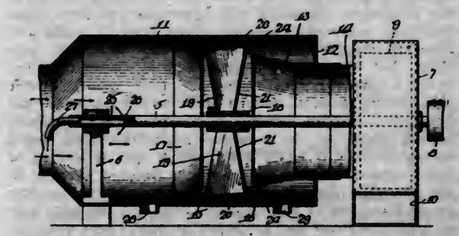
shape, and bringing the metallically bound end portions into proximate relation, mean time folding the metallic binder strips back upon that face of the fabric that forms the inner face in the completed article.

1,480,774. REED ARTICLE AND METHOD OF MAKING THE SAME. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed July 13, 1921. Serial No. 484,394. 4 Claims. (Cl. 147—48.)



1. The herein described method of producing woven reed articles of tubular form from non-tubular fabric that consists in providing a non-tubular piece of woven reed fabric or the like, securing metallic binder strips to opposite end portions thereof, forming the fabric to tubular shape, meantime folding one metallic binder strip backwardly toward one face of the fabric, and folding the other metallic binder strip backwardly toward the opposite face of the fabric, and in interlocking the binder strips one with the other.

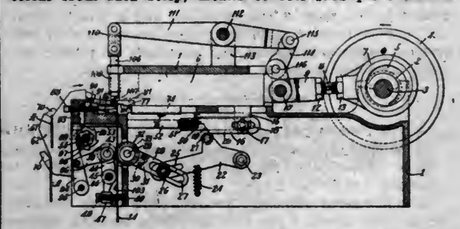
1,480,775. AIR WASHER. NICHOLAS C. MARIEN, Chicago, Ill. Filed Jan. 5, 1923. Serial No. 610,952. 4 Claims. (Cl. 183—24.)



1. In an air washer, the combination with a casing having one of its ends open for the entrance of air, of means near its open end for spraying water, an eliminator wheel mounted for rotation within said casing for co-operation with the moistened air, said wheel comprising radial blades set at an angle to its axis and provided with a peripheral rim connecting the outer ends of said blades, a ledge or baffle member on the rear edge at each side of each of said blades, a ledge or baffle member connecting each pair of said blades transversely and resting on the inner surface of said rim, an outlet at one of the corners between the outer ends of each pair of blades, and means for producing a current of air through said casing.

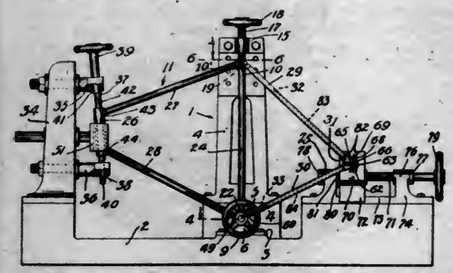
1,480,776. LACE-TIPPING MACHINE. CARL A. MATSON, Swampscott, Mass., assignor to Matson Lace and Braid Company, Boston, Mass., a Corporation of Massachusetts. Filed May 8, 1920. Serial No. 379,734. 42 Claims. (Cl. 153—1.5.)

1. A lace tipping machine having, in combination, means to feed a strip of sheet material, a work-support, means to clamp and feed lacing transversely thereof upon said work-support, means to sever a piece of material from said strip, means to roll said piece around



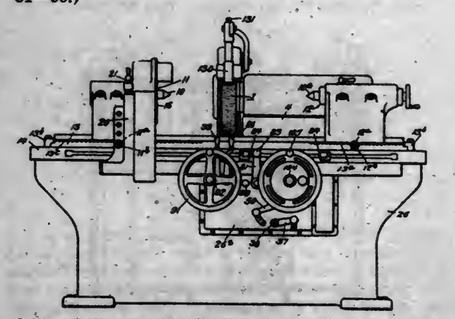
said lacing, and means cooperating with the work-support to subsequently sever said lacing and the material located therearound.

1,480,777. METHOD AND MEANS FOR BUILDING AND TESTING TUBULAR FRAMES. AUGUST D. MEISELBACH, Chicago, Ill., assignor to Margaret Meiselbach, Chicago, Ill. Filed Apr. 26, 1920. Serial No. 376,561. 22 Claims. (Cl. 29—89.)



1. The herein described method of building tubular frames which consists in clamping one part of the frame provided with means for doweling tubular parts thereon in a fixed position, setting the remaining connections in positions relative to said fixed connection, with tubular connecting parts arranged between said connections, then forcing said remaining connections towards the fixed connection to tightly clamp the intervening tubes and while the several parts of the frame are thus clamped, rigidly and permanently securing the several connections to the several tubes so that when the connections are relieved of pressure the several parts will remain rigid in their true fixed positions.

1,480,778. GRINDING MACHINE. CONRAD L. OTT, Chicago, Ill., assignor to American Grinder Company, Detroit, Mich., a Corporation of Michigan. Filed July 19, 1920. Serial No. 397,323. 17 Claims. (Cl. 51—95.)



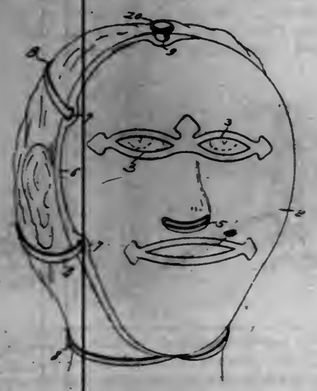
1. A grinding machine having, in combination, traveling work-supporting means; a grinder for operating on

the work; belt-driven means for rotating the work; a traveling belt drive for said work-rotating means, including a driving pulley therefor; actuating means housed in the base of the machine; and a direct operating connection from said actuating means to said belt-driving pulley constructed and arranged to permit said pulley and belt-drive to travel with the work.

1,480,779. COMPOSITION OF MATTER AND METHOD OF MAKING SAME. ALADAR PACZ, Cleveland Heights, Ohio. Filed Mar. 26, 1920. Serial No. 368,080. 4 Claims. (Cl. 75—1.)

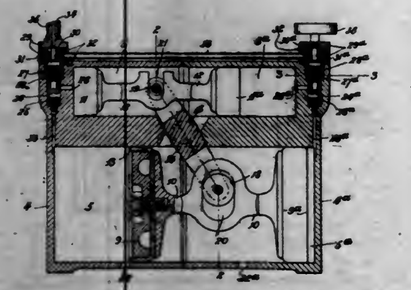
1. A powdered alloy of aluminum and silicon containing at least about 1 per cent of silicon and the balance mostly aluminum.

1,480,780. MASK FOR SKIN TREATMENT. CATHERINE PAULEY, Lockland, Ohio. Filed July 14, 1920. Serial No. 396,969. 1 Claim. (Cl. 128—259.)



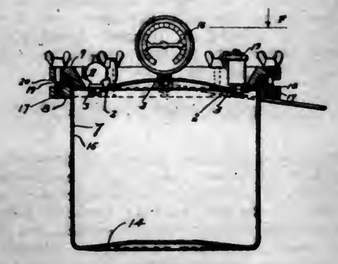
A device for the purpose indicated consisting of spaced inner and outer walls of which the inner is more flexible, the said walls integrally connected around the eye holes, the mouth opening and nose portion as well as the edges, a binding strip secured to the device at the connecting edges and provided with eyelets whereby a cord may be employed to attach the device to the head of a person and a filling spout provided with a removable closure so that the space between the walls may be filled with a liquid.

1,480,781. AIR PUMP OR COMPRESSOR. FREDERICK JAMES PAYNE and PERCY CHARLES PAYNE, Keynsham, near Bristol, England. Filed May 14, 1923. Serial No. 638,767. 3 Claims. (Cl. 230—32.)



1. A multi-stage air pump or compressor comprising in combination, two half castings each containing complementary cylinders of each stage, assembled with the cylinders of like stages in axial alignment and joined together in a plane midway between the co-axial cylinders; connected pistons in each two co-axial cylinders, a rocker lever operatively engaged with the connected pistons of each stage, a trunnion on which said rocker lever is mounted and which extends to the outside of the casing parts, and means for operating said trunnion to rock said rocker lever to reciprocate the connected pistons.

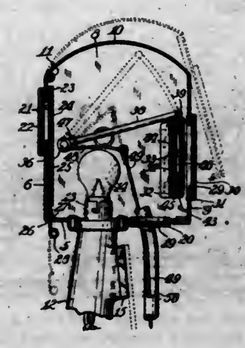
1,480,782. PRESSURE COOKER. ARTHUR L. PRIMEAU, Cambridge, Mass. Filed Aug. 4, 1921. Serial No. 489,738. 4 Claims. (Cl. 220—61.)



1. A pressure-cooker comprising a sheet metal body member with a bottom and upstanding peripheral wall, and a sheet metal cover, which cooker is characterized by having on the body member a reinforcing ring with an annular upstanding resisting ledge which in cross-section is in the form of a modified inverted V approaching in contour the shape of a hyperbola and over which ledge the upper edge portion of the body is rolled and fitted to provide concentric inner and outer seat portions that upwardly converge, and by having on the cover a clamping ring with an annular grooved under side, which grooved portion in cross-section is in the form of a modified inverted V corresponding in general to the shape of the resisting ledge, the cover being shaped so that it has a bent portion that is located in and engaged by the sides of said grooved portion of the clamping ring when the latter is functioning, the grooved portion of the clamping ring and the bent portion of the cover being shaped so that there are provided on the under side of the cover a grooved portion having concentric inner and outer seat portions that upwardly converge and that rest upon the inner and outer seat portions of the body member but so that a clearance space is provided between the metal at the uppermost portion of the body member and the under side of the uppermost portion of the cover whereby when the clamping ring is in clamping position and pressing towards the resisting ring, a tight joint is effected between the concentric inner and outer converging seat portions of the body member on the one hand, and the concentric inner and outer converging seat portions of the cover, on the other hand, said cooker having means for pressing the clamping ring towards the resisting ring and for holding said rings in clamping position.

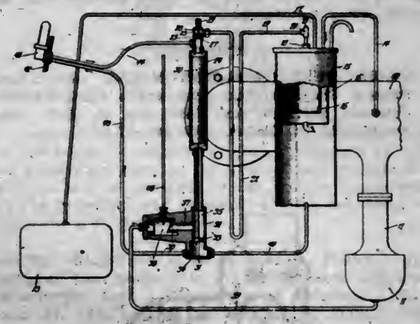
1,480,783. MOTOR-VEHICLE SIGNAL APPARATUS. WILLIAM HUBERT SAWYER, Monroe Township, Morgan County, Ind. Filed Apr. 14, 1922. Serial No. 552,451. 4 Claims. (Cl. 116—45.)

1. A motor-vehicle signal apparatus including an inclosing case having two permanent externally-visible signals on opposite sides thereof, a shutter for one of the signals movably supported by the case, and a word signal



device movably supported by the case to co-operate with the remaining one of the permanent signals and provided with means to operate the device.

1,480,784. AUTOMATIC BY-PASS AND PRIMER FOR FLOW METERS. RUDOLPH W. SCHROEDER, Chicago, Ill. Filed July 2, 1921. Serial No. 482,275. 35 Claims. (Cl. 158—36.)



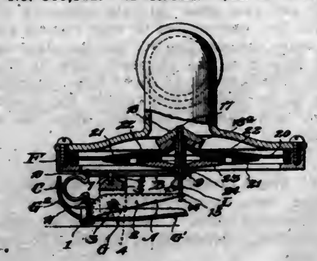
1. The combination with a liquid fuel engine having an intake manifold, of a flow meter for measuring the flow of fluid to said engine, a conduit for connecting said flow meter to said engine, and means comprising a different conduit for periodically subjecting said flow meter to manifold vacuum.

1,480,785. DIAPHRAGM FOR SOUND REPRODUCERS. CHARLES E. SEMPLE, Jr., Youngstown, Ohio. Filed May 24, 1922. Serial No. 563,441. 3 Claims. (Cl. 181—32.)



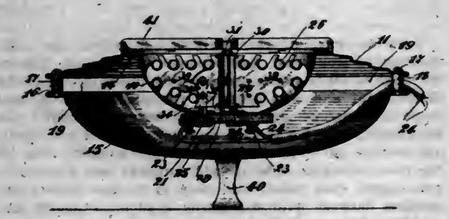
1. A construction for reproducer diaphragms comprising a resilient body disk having a central unpadded offset portion and an unpadded outer edge portion, and a ring of suberous material secured to one face of the body disk adjacent the edge of the offset and disposed inside of the unpadded outer edge portion.

1,480,786. PHONOGRAPH REPRODUCER. CHARLES E. SEMPLE, Jr., Youngstown, Ohio. Filed May 24, 1922. Serial No. 563,442. 21 Claims. (Cl. 274—29.)



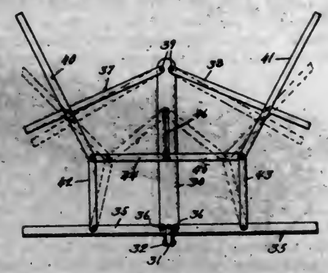
1. A sound reproducer including a diaphragm, a stylus bar operatively connected with the diaphragm, and a second bar having a tensioning connection with the stylus bar and engaging with the diaphragm and normally neutralizing the tension imposed on the diaphragm by the stylus bar.

1,480,787. ELECTRIC HEATER. LEMUEL W. SERRELL, New York, N. Y., assignor to Serrell Electric Appliance Corporation, a Corporation of Delaware. Filed Oct. 16, 1920. Serial No. 417,372. 9 Claims. (Cl. 219—34.)



1. An electric heater comprising a concave reflector, an openly supported electric heating element therein consisting of a resistance coil and an insulating support therefor comprising a plurality of divergent arms provided with notched edges into which said coil is inserted and uniformly wound about said support and terminal contacts, forming means by which said heating element may be placed in or removed from said reflector.

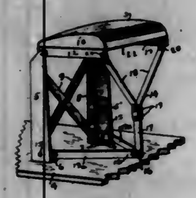
1,480,788. MUSIC STAND. FORTUNATO SORDILLO, Dorchester, Mass. Filed Feb. 23, 1923. Serial No. 620,645. 4 Claims. (Cl. 45—121.)



4. A collapsible music rack having a vertical supporting member formed with a vertical slot therein intermediate its ends, a horizontal shelf-member pivoted to said vertical supporting member below said slot, pivotally connected links of substantially equal length, one pivoted at its free end to said horizontal shelf member and the other having its free end pivotally received in

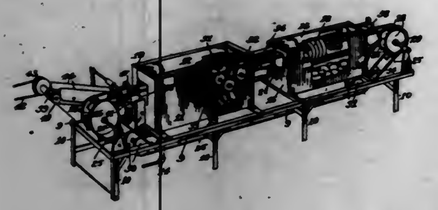
the slot in said vertical supporting member, said links and said shelf and supporting members arranged to form substantially a parallelogram when the rack is fully extended, and two other pivotally-connected links, one having its free end pivoted to said vertical supporting member above the slot therein, and the other having its free end pivoted to the aforesaid links at the pivotal connection therebetween, and said links constructed and arranged to lie substantially within the boundaries of said shelf and vertical members when the stand is collapsed.

1,480,789. SEAT CONSTRUCTION. EDWARD J. STAHL, Cleveland, Ohio, assignor to The Baker R & L Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 574,800. 3 Claims. (Cl. 155—12.)



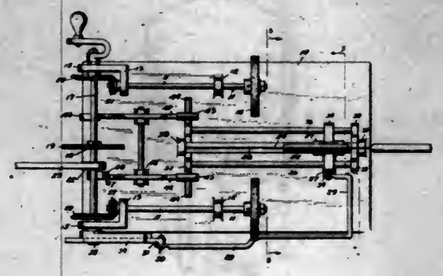
1. In a device of the character described, the combination of front and rear supports arranged to engage the floor at their lower ends, a seat pivotally connected at its front and rear edges to the upper ends of said supports, whereby said seat may swing upwardly and downwardly relative to said rear support, and a connecting member pivotally connected at its opposite ends to the floor engaging ends of said supports and serving to space such ends when said seat is in use, pivot connections between said connecting member, supports and seat permitting said front support and connecting member to be folded about their connecting pivot into a reversed relationship to dispose the pivot between them substantially in alignment with the pivot between the rear edge of said seat and said rear support, whereby said seat may be swung downwardly into compact relationship with said rear support with the front support and connecting member between them.

1,480,790. PARAFFINING APPARATUS. IRVING STANLEY, New York, N. Y., assignor to Angel International Corporation, New York, N. Y., a Corporation of Maine. Filed July 14, 1921. Serial No. 484,604. 12 Claims. (Cl. 91—55.)



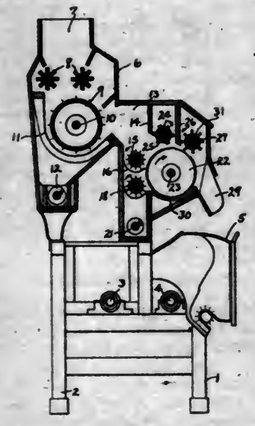
1. In apparatus for impregnating paper articles with paraffine, a receptacle for liquid paraffine, a refrigerator chamber, and an article transporting conveyer arranged to travel through the paraffine receptacle and refrigerator chamber and immerse articles carried thereby in the paraffine while travelling through the former.

1,480,791. MACHINE FOR SHARPENING CUTLERY. JULIUS W. STEIN and EMIL BUCHMAN, New York, N. Y. Filed Jan. 19, 1921. Serial No. 438,404. 3 Claims. (Cl. 51—85.)



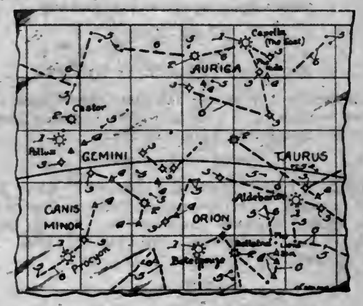
1. A machine as characterized comprising a rocking cradle; a vise slidably mounted in said cradle; a plurality of abrasive members disposed at opposite sides of said cradle; means for reciprocating said vise lengthwise of said cradle; and means for rocking said cradle in timed relation with said reciprocating mechanism for rocking said cradle when said vise approximates the opposite ends of said cradle, said means embodying a plurality of beater arms engaging said cradle, one at each side thereof, and a driven shaft having cams for rocking said beater arms in timed relation with said reciprocating mechanism.

1,480,792. FEEDER FOR COTTON GINS. JOHN ARNOLD STREUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex. Filed Jan. 15, 1923. Serial No. 612,655. 2 Claims. (Cl. 19—67.)



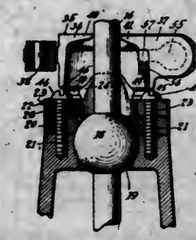
2. A cleaner attachment for cotton gins comprising a plurality of vertically spaced agitating rolls, a saw cylinder of comparatively large diameter in front of said agitating rolls, a screen closing the space below said rolls and cylinder except for an opening intermediate the ends of the lowest of said rolls, and a comparatively small brush roll above said saw cylinder adapted to brush the cotton therefrom in the manner described.

1,480,793. STAR MAP. ERNEST W. SUNDELL, Oak Park, Ill. Filed Oct. 20, 1921. Serial No. 509,137. 4 Claims. (Cl. 35—3.)



1. A star map on which the stars are represented by spots of radiant luminous material rendering them readily distinguishable in the dark.

1,480,794. AUTOMOBILE LOCK. LAURENCE A. SWEET, Los Angeles, Calif. Filed Jan. 29, 1920. Serial No. 354,943. 5 Claims. (Cl. 70—128.)

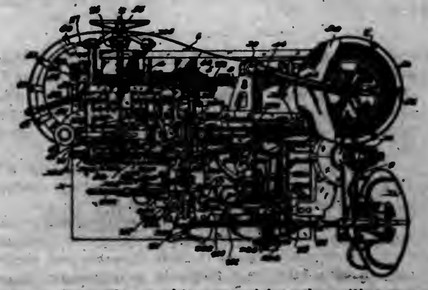


5. A device for locking a lever mounted on a universal joint comprising, a stationary base, a projection on the base, a clamp for engaging the lever adapted to cover the projection and be connected to the base by engagement with the projection, and means for locking the clamp in engagement with the projection.

1,480,795. BLASTING CAP. ERNEST M. SYMMES, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 21, 1922. Serial No. 583,862. 1 Claim. (Cl. 102—9.)

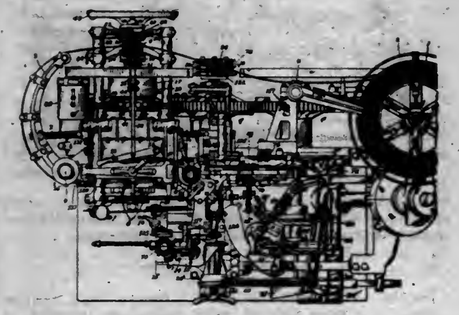
A blasting cap or primer, for detonating explosives, including a charge of trinitrobensol.

1,480,796. WIRE-SPRING-MAKING MACHINE. BERT L. VAN ORMAN, Wyandotte, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich., a Corporation of Michigan. Filed June 2, 1921. Serial No. 474,899. 69 Claims. (Cl. 140—1.)



1. A wire spring machine comprising wire coiling means, means for feeding wire thereto from a bundle and means actuated by the formed springs for compensating for variations in hardness and gauge of the stock, adapted to control the coiling means.

1,480,797. AUTOMATIC MACHINE-CONTROL MEANS. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Oct. 21, 1922. Serial No. 595,095. 39 Claims. (Cl. 140—1.)

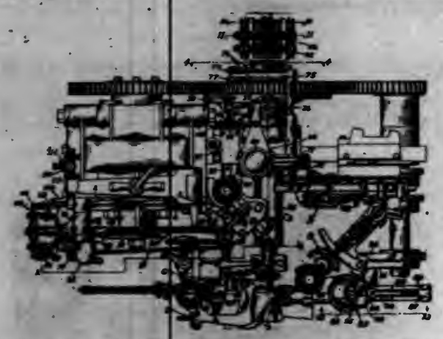


1. The combination with a spring coiling machine comprising a wire feed means including a wire tensioning member, a coiling means, first and second knotters, a locating means between said first and second knotters, a transfer member for transferring the springs from said coiler to said first knotter, a transfer member for transferring the springs from the first knotter to said locator and transfer member for transferring the springs from said locator to said second knotter, of means for driving the said mechanisms including a clutch, an electrically actuated control means therefor, a control circuit, contact plates connected to said control circuit and disposed in such relation to said coiler, knotters, locator and transfer members that a dislocated spring will coact therewith to close the said circuit, a circuit closing means connected to said control circuit and arranged to be held normally open by the wire passing to the machine so that when the wire is exhausted the circuit closing means is actuated, independent circuit closing means operatively associated with said first and second transfer members connected to said control circuit, the connections having control timers therein, an electromechanical stop means for said second transfer member connected to the circuit breaker associated therewith whereby when such circuit is closed, the stop is actuated to position to coact with said transfer member, a circuit closing member operatively associated with the second knotter and independently connected to said control circuit, its said connection having a timer therein, and a clutch control member operatively associated with said wire tensioning member whereby the clutch is disengaged by excessive stress upon the wire.

1,480,798. WIRE-SPRING-MAKING MACHINE. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed July 13, 1922. Serial No. 574,846. 48 Claims. (Cl. 140—1.)

1. In a structure of the class described, the combination of a coiler block, a rock shaft on which said coiler block is mounted, an arm on said rock shaft, an actuating link connected to said arm, an actuating lever, an adjustable connection for said link to said lever comprising a screw disposed longitudinally of the lever and provided with a nut to which said link is connected, a pivoted support for said screw, a governor screw carried by said lever and disposed transversely thereof, a nut on said governor screw provided with an arm connected to said support, a ratchet wheel secured to said governor screw, a pawl carrier mounted to oscillate on said screw, a pawl mounted on

said pawl carrier to coact with said ratchet wheel for turning the screw in either direction, means for returning



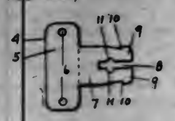
said pawl carrier to its initial position, a pair of solenoids operatively associated with said pawl, and means for controlling said solenoids including a testing means.

1,480,799. VENDING MACHINE. JOSEPH VASS, Sharpsville, Pa. Filed May 18, 1921. Serial No. 470,550. 1 Claim. (Cl. 194—65.)



In a coin controlled vending machine a coin chute, a rotary socket member in registry herewith said socket member comprising a hub element, a fixed finger projecting therefrom in a general radial direction, a movable jaw cooperating with said fixed finger, and movable circumferentially of the socket member toward and away from the said fixed finger, and means whereby an article may be fed forward by said socket member when a coin is inserted therein, and an abutment stop adapted to engage said spring pressed jaw, for the purpose specified.

1,480,800. CURTAIN FIXTURE. THADDEUS S. WAIT, Sturgis, Mich., assignor of one-half to James Henry, Sturgis, Mich. Filed Dec. 12, 1921. Serial No. 521,742. 4 Claims. (Cl. 156—19.)



3. The combination in a curtain fixture, of a wall bracket comprising a flat outwardly projecting arm having a longitudinal slot open at its outer end providing a pair of fingers and having an enlargement adjacent the inner end of the slot, and a curtain rod member of channel cross section having in-turned flanges adapted to telescope with said bracket arm, the body portion of said rod member having spaced longitudinal slots therein, the portion between the slots being struck inwardly providing a spring member engaging said enlargement in said slot.

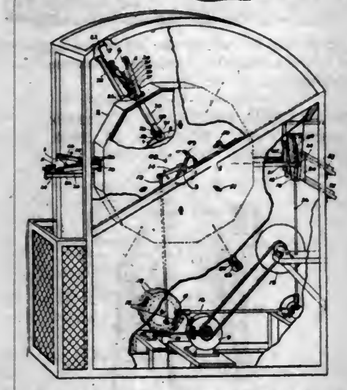
1,480,801. CORN OR FERTILIZER SOWER MACHINE. MICHAEL WALTHER, Central Bridge, N. Y. Filed Sept. 25, 1922. Serial No. 590,256. 3 Claims. (Cl. 221—122.)

2. An elongated hopper having a series of delivery chutes spaced therealong, and a supplementary bottom member adjustably placed in said hopper and adapted to cover varying numbers of said chutes and to direct the



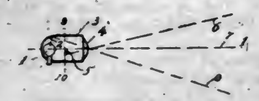
material in the hopper into the other chutes, said bottom member comprising a pair of boards inclining upwardly toward one another to a common apex.

1,480,802. PEACH PITTER. JOSEPH P. BEM, Fresno, and JAMES K. TUTTLE, Oakland, Calif., assignors to Pacific Pitting Machine Company, Inc., Fresno, Calif., a Corporation of California. Filed Dec. 26, 1922. Serial No. 608,992. 28 Claims. (Cl. 146—28.)



12. In a peach pitter of the class described, means for locating the bloom tip of a peach, devices for clamping the peach, a cutter arranged for cutting off the tip of the peach, and means for co-operatively actuating said devices and said cutter.

1,480,803. MOTOR-VEHICLE HEADLAMP. EVAN P. BOXE, Cincinnati, Ohio. Filed Dec. 20, 1920. Serial No. 432,018. 3 Claims. (Cl. 240—41.)



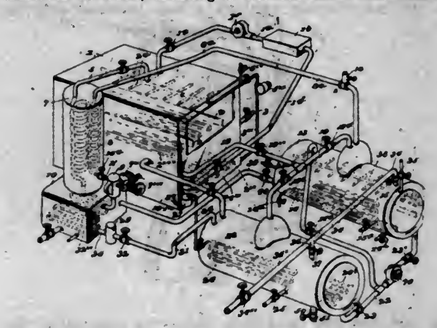
1. In combination with a headlamp provided with means for projecting a real image, a screen disposed substantially at an inner focus of said means, conjugate with a portion of the field of illumination in the upper half, with an extension into the lower half, said extension having an oblique edge.

1,480,804. PROCESS OF TREATING LUMBER. FREDERICK K. FISH, Jr., Reno, Nev., assignor, by mesne assignments, to Wood Products and By-Products Corporation, a Corporation of Nevada. Filed Sept. 30, 1920, Serial No. 413,700. Renewed Apr. 13, 1923. Serial No. 587,028. 38 Claims. (Cl. 99—12.)

1. The process of treating lumber comprising subjecting the lumber to heated moist atmosphere containing added volatile extractives from lumber.

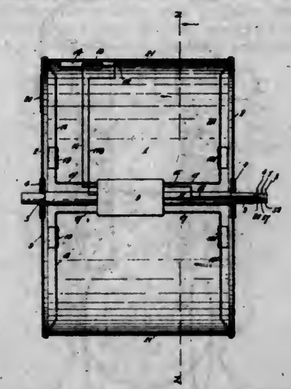
13. The process of treating lumber comprising submerging lumber in superheated liquid charge with volatile solvent extractives of wood to melt, dissolve and remove a portion of soluble and insoluble constituents, removing the liquid from around the lumber, and thereafter drying the lumber.

28. The process of treating lumber comprising subjecting the lumber to vapor charged with volatile extractives of wood, creating a vacuum about the lumber



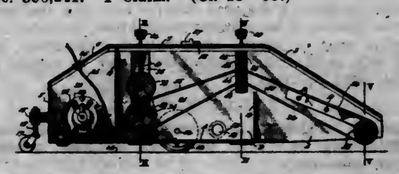
and simultaneously spraying with water to cause a surfacewise movement of moisture and extractives, submerging the lumber in heated liquid charged with wood extractives removing the liquid and drying.

1,480,805. HEATER. FRED V. HADLEY, Needham, and ROBERT A. CARLETON, Newton, Mass. Filed July 20, 1921. Serial No. 486,210. 7 Claims. (Cl. 219—47.)



1. The machine above described comprising a step-down transformer the secondary of which comprises comparatively low resistance elements, and a dryer having a drying portion composed of a comparatively high resistance metal, said low resistance elements being connected in circuit with said drying portion, in combination with a primary circuit comprising a heat regulator located to be heated by said dryer so that the temperature of said dryer will control the current supplied thereto.

1,480,806. FLOOR MACHINE. ALBERT J. HITCH, St. Thomas, Ontario, Canada. Filed Oct. 23, 1922. Serial No. 596,241. 1 Claim. (Cl. 15—99.)

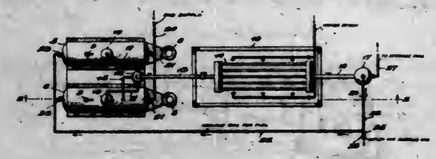


A floor machine of the character described, comprising a casing on wheels, said casing having compartments therein, an electric motor in one of said compartments, rolls in the other of said compartments, an endless belt trained over said rolls and having a portion thereof protruding from the bottom of said casing, a train of gears outside of said casing transmitting power from said electric motor to one of said rolls for driving said belt, and a handle attached to said casing for moving said casing about on its wheels.

1,480,807. LITHOPONE AND PROCESS OF MAKING THE SAME. EDWARD C. HOLTON, Olmsted Falls, Ohio, and JAY CLYDE OWENS, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 11, 1922. Serial No. 560,226. 4 Claims. (Cl. 134—78.)

4. The steps of the method of producing lithopone, having the optimum qualities for paint manufacture, which consists in furnacing a mixture of lithopone and a deoxidant in an atmosphere charged with a deoxidant and then for a short interval under oxidising conditions and then quenching.

1,480,808. PRODUCTION OF LIQUID MOTOR FUELS. KORK KELLEY, Okmulgee, Okla., assignor of one-half to Thomas L. Kerr, Bartlesville, Okla. Filed Aug. 15, 1921. Serial No. 492,368. 26 Claims. (Cl. 196—25.)



17. The method of making a hydro-carbon oil which includes distilling casinghead gasoline, fractionally distilling kerosene, commingling the distilled vapors, and condensing the commingled vapors.

1,480,809. SET-UP PAPER BOX. ELIE W. LABOMBARDE, Nashua, N. H. Filed Dec. 2, 1921. Serial No. 519,357. 6 Claims. (Cl. 229—32.)



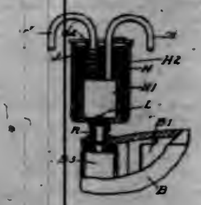
1. A box member blank having stiffening panels adhesively secured to wall sections thereof, said wall sections having creased portions beyond the panels foldable to positions to substantially meet the outer edges of said panels.

3. A set up paper box comprising a bottom section having integral side and end wall sections, the side wall sections having end flaps overlapping the said end wall sections and abutting edge to edge on an oblique line, said box being constructed to retain said end flaps in abutting relationship.

1,480,810. VAPOR INTERCEPTOR FOR VACUUM FUEL-FEED DEVICES. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 12, 1922. Serial No. 567,572. 7 Claims. (Cl. 158—36.)

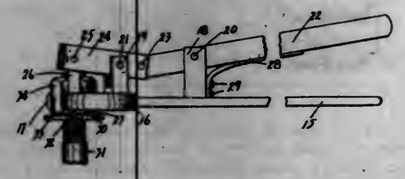
1. In combination with an internal combustion engine, a vacuum fuel feeding device for the same and a liquid circulating pump, connections from the vacuum chamber of the vacuum fuel feed device to the liquid pump intake for producing vacuum by means of said pump; a

gravity trap in said connection; drainage connection from the trap to the service chamber of the vacuum



fuel feed device, and means in said drainage connection for preventing suction-caused outflow from said service chamber.

1,480,811. NUT-LOCK WRENCH. BARNEY A. BARON and EDWARD M. POFCHER, Los Angeles, Calif. Filed Sept. 22, 1922. Serial No. 589,835. 9 Claims. (Cl. 81—10.)



1. A nut lock wrench comprising a handle, and a wrench portion adapted to embrace a nut having teeth adapted to be engaged by the pawl of a lock washer, and means movable when gripping the handle to engage said pawl to move the latter away from the nut so that the nut is free to be turned by manipulation of the wrench.

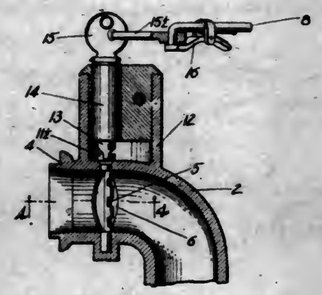
1,480,812. LOADER FOR REVOLVERS. GUILLERMO RODRIGUEZ ZAYAS BAZÁN, Moron, Cuba. Filed Nov. 6, 1923. Serial No. 673,193. 4 Claims. (Cl. 42—89.)



1. A loader for revolvers comprising a main body having enlarged bullet receiving holes, slidable means for frictionally securing the bullets in said holes, and rotary means for controlling and adjusting the sliding means.

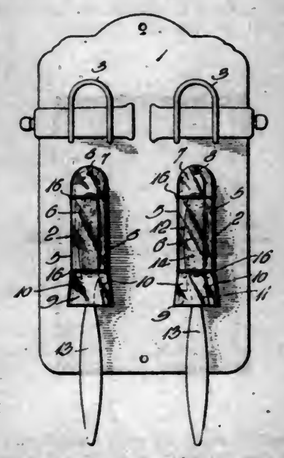
1,480,813. MANIFOLD LOCK. ALBERT BOONE, Sawtelle, Calif. Filed Sept. 8, 1922. Serial No. 586,849. 1 Claim. (Cl. 251—6.)

In combination, a carburetor including a throttle valve, a key controlled lock attached to the valve for opening and closing the same, a throttle actuated link, a key for actuating the lock, and a device providing for the ready attachment and disconnection of the key to



the said link and permitting the entire removal of the key from the throttle controlling lock and from the throttle link.

1,480,814. TOOTHBRUSH RACK. WILLIAM F. BRIGHT and GEORGE SCHNEIDER, East St. Louis, Ill. Filed Mar. 26, 1923. Serial No. 627,703. 1 Claim. (Cl. 248—63.)

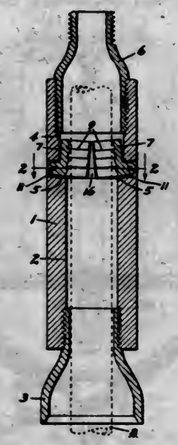


A tooth brush rack comprising a support, a one-piece container carried by said support and comprising a flat back wall contacting with the support, a pair of flat side walls at right angles to and extending forwardly from said back wall, and a convex front wall, the upper end of said container being closed, while its lower end is open for the insertion of the head of a tooth brush, the lower ends of said side and front walls being flared to facilitate entrance of the brush head, said container having near its lower end a pair of horizontally spaced lugs in the rear corners of the container, said lugs having front surfaces spaced rearwardly from the front wall of the container a distance slightly less than the length of the bristles of an ordinary tooth brush, whereby these bristles must be sprung when inserting the brush head and will exert their inherent resiliency to engage the brush with the lugs.

1,480,815. OVERSHOT. KING E. BYNUM, Fellows, Calif. Filed Aug. 31, 1921. Serial No. 497,344. 1 Claim. (Cl. 294—113.)

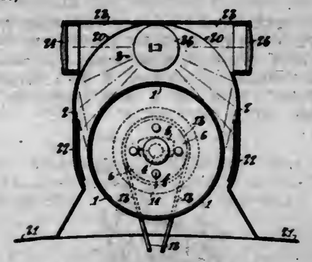
An overshot comprising a casing, having openings therein, concave gripping members provided with extensions arranged in said openings, pins extending

through the openings and engaging said extensions for pivotally supporting the gripping members within the casing, teeth formed on the confronting faces of the gripping members, and a shoulder formed interiorly of



the casing at a point between the inner surface of the casing and said pins whereby said gripping members are caused to normally occupy inclined positions and to engage said shoulders when in gripping position.

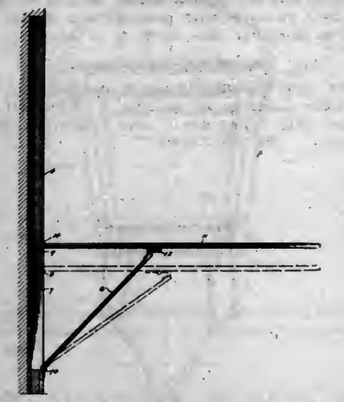
1,480,816. DIRECTION INDICATOR FOR AUTOMOBILES. GEORGE H. DAVIS, Richmond, Va. Filed Mar. 29, 1922. Serial No. 547,847. 4 Claims. (Cl. 116—43.)



1. In a signalling device, a housing adapted for mounting on an automobile, said housing having front and back and end walls and a crown portion, a signal carrying drum mounted in the housing below the crown portion, said drum having sight openings in its front and back walls to expose opposite signals on the drum, an illuminant in the crown portion of the housing adapted, in combination with the inner surfaces of the crown and front and back wall portions of the housing adjacent thereto, to illuminate the signals on the drum opposite the sight openings and means for operating the drum.

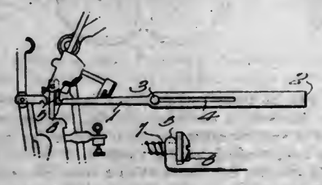
1,480,817. DISAPPEARING IRONING BOARD. HENRY PERCIVAL DIXON, Los Angeles, Calif. Filed May 15, 1922. Serial No. 560,935. 2 Claims. (Cl. 68—10.)

1. In a device of the class described, the combination of a cabinet having horizontal lateral slots at different heights, a panel pivoted at its lower end to the lower portion of said cabinet to be swung on a horizontal axis and for closing the lower portion thereof, an ironing board having guide pins at its rear slidable in said cabinet and arranged to be disposed in said slots, a triple leaf hinge securing the upper end of said panel to said ironing board so that said panel may be disposed to



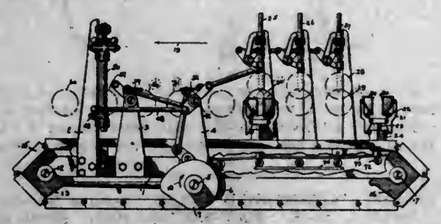
support said board at different places intermediate its ends and thereby to support said ironing board at varying heights.

1,480,818. PIANO-ACTION-FLANGE SCREW AND PLATE HOLDER. WILLIAM B. ELLSWORTH, Hudson, Ohio. Filed Apr. 5, 1923. Serial No. 630,120. 1 Claim. (Cl. 81—3.)



1. A screw and plate holder comprising arms movable towards and away from each other and having at their ends flat plate gripping jaws extending transversely from the arms, the arms being recessed at their junction with the jaws to provide seats for snugly receiving the head of a headed fastener and preventing movement thereof longitudinally of the arms, and flanges extending inwardly from the sides of said jaws in opposed relation to limit movement of a plate in one direction, the flanges being recessed to provide opposed seats for receiving the shank of the headed fastener and firmly gripping the shank between the jaws.

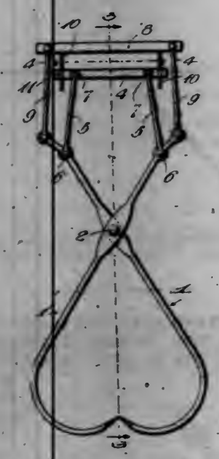
1,480,819. FRUIT PITTING AND SLICING MACHINE. JAMES FORRESTER and JOHN S. SLATTERY, San Francisco, Calif., assignors to F. & S. Pitting Machine Co., Inc., a Corporation of California. Filed May 31, 1923. Serial No. 642,681. 10 Claims. (Cl. 146—28.)



1. In a fruit pitting and slicing machine a plurality of pairs of cup elements mounted to travel into a plurality of consecutive fixed positions and adapted to hold

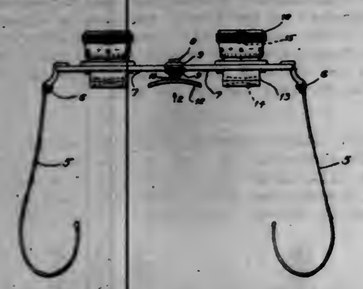
a fruit embraced between each pair, gauging means which adjust the fruit while in the first of said positions, right and left pitting spoons adapted to operate on the fruit at consecutive positions and slicing knives adapted to thereafter slice the fruit to the pit.

1,480,820. ICE TONGS. OLIVER B. HENDRICKSON, Boynton, Okla., assignor of one-half to John McLemore, Haskell, Okla. Filed Nov. 2, 1922. Serial No. 598,633. 2 Claims. (Cl. 294—118.)



1. A pair of tongs comprising a pair of crossed levers pivoted together, a carrying handle, linkage connecting the ends of said carrying handle to said levers above their pivot, a tong-opening handle above said carrying handle, and tong-opening linkage extending from the ends of said tong-opening handle and pivoted to said levers above the aforesaid linkage.

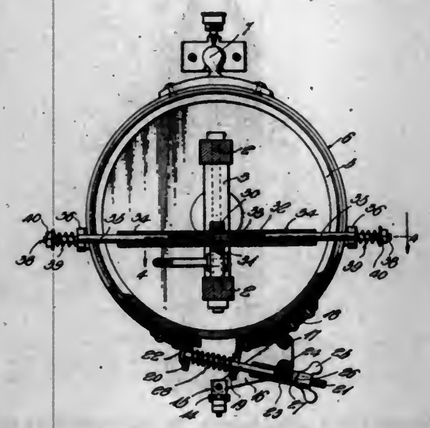
1,480,821. OPERA-GLASS SUPPORT. JAMES H. HENRY, Baltimore, Md. Filed June 13, 1922. Serial No. 567,967. 2 Claims. (Cl. 88—41.)



1. In an opera glass support, the combination of frame sections, a screw for securing said sections together and comprising a threaded hole, a nose guard having a stem threaded in said hole and temples secured to said sections.

1,480,822. AUTOMOBILE BRAKE. ARTHUR HUBALEK. Brooklyn, N. Y. Filed Mar. 19, 1923. Serial No. 626,085. 3 Claims. (Cl. 188—194.)

2. An automobile brake comprising a drum for attachment to a front wheel, a brake band surrounding said drum, and a carrier for said brake band comprising a horizontal member to be rigidly secured between its ends to a steering knuckle of the machine, the ends of said member having elongated sockets, a pair of rods received in and extending from said sockets, the projecting ends



of said rods having lateral arms at the outer side of said brake band formed with openings, rigid studs extending from said brake band and slidable in said openings, coiled springs surrounding said studs and bearing against the outer sides of said arms, and shoulders on the outer ends of said studs against which said springs thrust.

1,480,823. REENFORCE DEVICE FOR TOOL HANDLES AND PROCESS OF MAKING THE SAME. NILS GUSTAF LARSON, Attleboro, Mass., assignor to Ames Shovel & Tool Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 4, 1923. Serial No. 610,728. 8 Claims. (Cl. 113—116.)

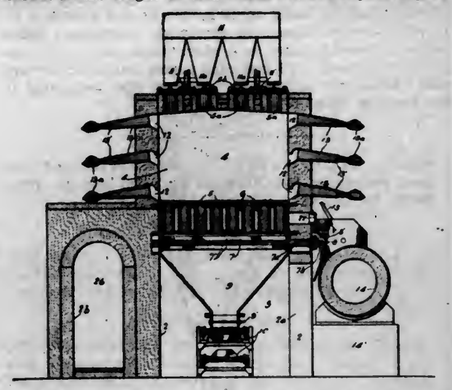


1. A reenforce device for tool handles of that type having diverging side members spaced at their ends by an interposed grip bar comprising a seamless sheet metal ferrule for the reception of the end of the grip bar, and an elongate attaching bracket integrally united to the ferrule and shaped to fit against the side member of the handle.

1,480,824. ORE-ROASTING FURNACE. AVERY T. LEAVITT and CHARLES H. HUGHES, Syracuse, N. Y. Filed Nov. 22, 1920. Serial No. 425,809. 15 Claims. (Cl. 263—18.)

1. In a furnace, a casing formed with a plurality of upright roasting chambers, and horizontal flues in which gas is burned for heating said chambers by means of radiated heat, said flues disposed at the opposite sides of each chamber but not communicating therewith, means

for drawing off the vapor and gases at different elevations in the height of said chambers, and a plurality of



recuperating tubes communicating with the bottom of each chamber for discharging the refuse and for preheating air to be mixed with the gas.

1,480,825. FRUIT PICKER. CYRIL W. LE NOVE, Kent, Minn. Filed Apr. 4, 1922. Serial No. 549,649. 3 Claims. (Cl. 56—339.)



3. A fruit picker comprising a cup provided with diametrically opposite open spaces at its upper end, and a stripper extending across one of said spaces and consisting of a resilient strand forming parallel sided bights between its ends and diverging ways at the upper ends of each bight, the ends of the strand and the bights being secured to the cup and the intermediate portions of the bights being inclined inwardly over the edge of the cup.

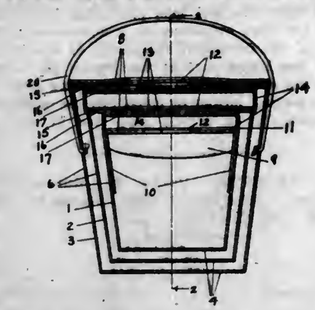
1,480,826. MILK-BOTTLE CLOSURE. JOHN PATRICK MAHONEY, Amsterdam, N. Y. Filed Dec. 19, 1922. Serial No. 607,874. 5 Claims. (Cl. 215—63.)



1. In a closure device, an attaching clip, a supporting arm extending upwardly therefrom, an arm pivoted to the first-mentioned arm and having a depending terminal portion, and a closure pivotally supported from the said terminal portion of the second-mentioned arm.

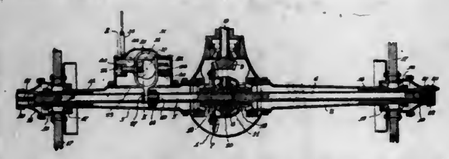
1,480,827. RECEPTACLE OR PACKAGE. IRVINE MCCOLL, Grand Rapids, Mich. Filed Aug. 28, 1922. Serial No. 584,801. 5 Claims. (Cl. 217—14.)

1. A package comprising a plurality of receptacles disposed one within another, the inner receptacle being adapted to receive the material to be packaged, the receptacles each being provided with coacting cover flaps on one pair of opposed walls thereof and the enclosed receptacles with upwardly projecting hanger extensions on their other opposed walls, the enclosing receptacles being shouldered within said closure flaps, and supporting



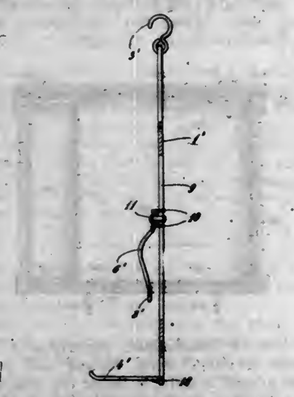
plates resting upon said shoulders and having holders on their under sides with which said hanger extensions may be engaged.

1,480,828. DIFFERENTIAL MECHANISM. AUGUST MILLER, Detroit, Mich. Filed Jan. 18, 1923. Serial No. 613,391. 2 Claims. (Cl. 74—100.)



1. In a vehicle having drive wheels driven through a differential mechanism and shafts, which differential mechanism permits one wheel to revolve at a different rate of speed than the other wheel;—means for causing said wheels to be driven at the same rate of speed, said means including an arrangement of said shafts for bodily movement so that one of said shafts will extend from one differential gear into another and articulate said differential gears for rotation as one, means at the outer ends of said shafts for centralizing said shafts relative to said differential mechanism, and means engaging one of said shafts for bodily shifting said shafts.

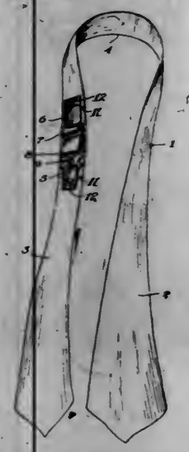
1,480,829. APPAREL HANGER. LAWRENCE JOSEPH MORAN, Brooklyn, N. Y. Filed May 31, 1922. Serial No. 564,733. 5 Claims. (Cl. 45—13.)



1. In a device of the class described, a frame having a body portion provided with a hinged relatively horizon-

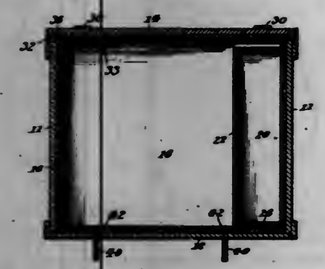
tally disposed lower part to support an article, a shiftable arm having a body portion adapted to slide on the said frame body, the said arm projecting laterally from the frame and then extending in a downward direction, the extent of the downward movement of the arm being limited by the lower part of the frame, the lower extremity of the arm and the said projecting part of the frame body having means to co-operate to constitute retaining means for an article supported by the device.

1,480,830. NECKTIE. FRANK M. MULRONEY, Fort Dodge, Iowa. Filed Oct. 7, 1922. Serial No. 592,978. 3 Claims. (Cl. 2—11.)



1. As a new article of manufacture, a necktie comprising tying end portions and an intermediate neck encircling portion integrally connected together, and a detachable assembly embodying an elastic member and a tab each stitched to the neck portion near one of the tying ends and provided with complemental separable fasteners whereby the wearer may either remove or detach the assembly and use the tie as a single piece ordinary tie or may sever the neck encircling portion between the attached ends of said assembly and use the necktie as a two-piece tie, hereinbefore described.

1,480,831. ICE BOX FOR AUTOS. ARTHUR G. MURPHEY, Meridian, Miss. Filed Oct. 11, 1921. Serial No. 507,022. 1 Claim. (Cl. 220—16.)



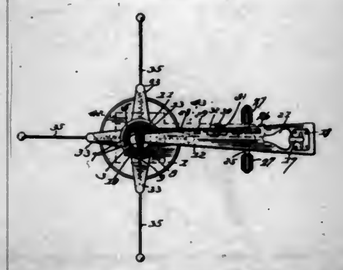
An ice box for automobiles, comprising a receptacle having heat insulated walls, bottom and cover, said cover being hinged, a metallic lining for said receptacle, a partition dividing said receptacle into a plurality of compartments for holding respectively a quantity of ice and edibles, commodities and drinking water, a false inclined bottom for said drinking water compartment, a separate cover for said drinking water compartment provided with a filling opening therein and having a removable closure associated therewith, reinforcing metal plates disposed between said inner lining and the bottom of said receptacle, and fastening means extending through said plates and bottom for securing said receptacle to the running board of an automobile.

1,480,832. HAIR WAVER. HARRY NATKIEL and ISADORE FREEDMAN, New York, N. Y. Filed Mar. 15, 1922. Serial No. 543,827. 2 Claims. (Cl. 132—41.)



1. A hair waver comprising a leg having formed on the free end thereof a round edged cup constituting an engaging member, the other leg having formed at its free end a hook co-operating with the cup, said co-operating members being dependable for their action upon a relative lateral movement between the ends of the legs, and means formed on the legs adjacent to the free ends to prevent slippage of the operator's fingers while causing said lateral movement, said anti-slipping means on the leg having the cup consisting of a concavity formed in such leg adjacent to but distinct from the cup and having an oval outline narrower than the main part of the leg.

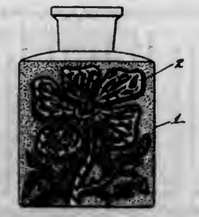
1,480,833. SKIPPING MACHINE. PATRICK J. NEILON, Cleveland, Ohio. Filed May 6, 1922. Serial No. 558,954. 6 Claims. (Cl. 46—69.)



1. In a skipping machine, a revoluble table, a supporting base therefor, arms universally connected to outer portions of the table and yieldable resilient means for normally holding the arms radially positioned and constructed to permit the arms to yield in all directions, in case the arms are struck by the person skipping over the arms.

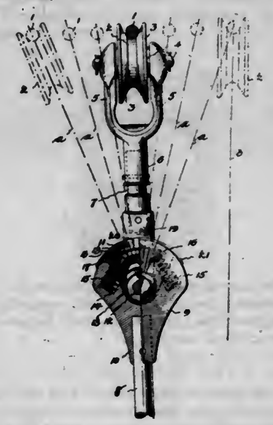
1,480,834. METHOD OF ORNAMENTING GLASS ARTICLES. LOUIS B. NEWELL, Baltimore, Md. Filed Dec. 16, 1921. Serial No. 522,918. 1 Claim. (Cl. 41—39.)

The herein described method of ornamenting glass articles which consists in forming on a surface of the article projecting portions forming a design, subsequently frosting both the raised and sunken portions



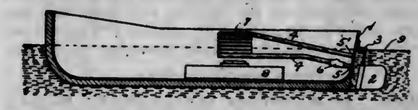
of said surface at one operation, and finally buffing the projecting portions of the surface to render the design transparent and leave a frosted background.

1,480,835. TROLLEY HEAD AND SUPPORT THEREFOR. GEORGE ELDRIDGE PRICE, New Haven, Conn. Filed Feb. 17, 1922. Serial No. 537,149. 1 Claim. (Cl. 191—60.2.)



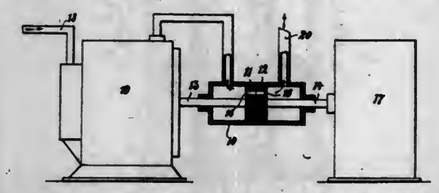
In combination with a trolley pole carrying a trolley harp at the free end thereof, an intermediate support and connection for said harp providing for radial movement of said harp independently of said pole, and said support and connection comprising a head capable of being secured to said pole, said head having a recess therein, a pivoted member mounted within said recess, said member having means for securing said harp thereto, a dust cover or plate carried by said pivoted member moving therewith and serving to constantly cover said recess, and springs located within said recess for controlling the movement of said member.

1,480,836. PROPELLING DEVICE. WILLIAM F. PURCELL, Hoboken, N. J., assignor to Hydromotor Company, Inc., a Corporation of New York. Filed Mar. 1, 1920. Serial No. 362,209. 5 Claims. (Cl. 115—14.)



1. In combination with a boat, a continuous conduit, the extremities of which are in vertical alignment with each other and open into and below the surface of a liquid body upon which the boat is floated and means for heating a portion of the conduit whereby a succession of impacts of the conduit contents will be produced against the liquid body through one extremity of the conduit.

1,480,837. REGULATION OF PRESSURE. JOSEF HEINZ REINEKE, Bochum, Germany. Filed June 28, 1920. Serial No. 392,536. 15 Claims. (Cl. 137—111.)



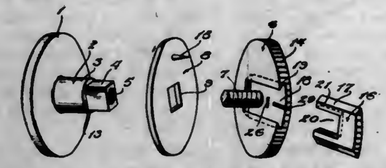
1. The method which consists in utilizing the variable pressure prevailing in a gas or liquid current for influencing the speed of a rotary device adapted to throttle the flow of said current in proportion as the speed of said device varies.

1,480,838. CIGARETTE HOLDER. CAXTON P. RHODES, San Francisco, and ARNOLD F. WILLAT, San Rafael, Calif. Filed June 16, 1921. Serial No. 477,882. 8 Claims. (Cl. 131—10.)



1. In a holder for a cigarette or the like, a longitudinal slot extending through the wall of the holder, a trackway on each side of and opening into said slot, a slide movably mounted in said trackway and carrying an inward extending ejector, and a finger member extending through the slot and mounted on the rear end of said slide.

1,480,839. BUTTON. MAJOR M. ROBINSON, Jackson, Tenn. Filed Nov. 22, 1922. Serial No. 602,575. 3 Claims. (Cl. 24—105.)

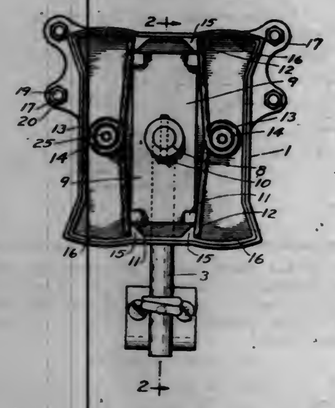


1. A button comprising a head having a shank formed with a reduced squared end portion, a washer fitted thereon against the shoulder provided by the formation of said portion and thus held in spaced relation to the back of the head, the shank having a threaded bore, a back having a threaded stud fitting the said bore, and means upon the back coacting with the squared portion of the shank and locking the back against rotation in a direction to unthread the stud from the bore.

1,480,840. STEERING DEVICE. WILLIAM F. ROTERMUND, Seattle, Wash. Filed Dec. 12, 1921. Serial No. 521,909. 3 Claims. (Cl. 280—94.)

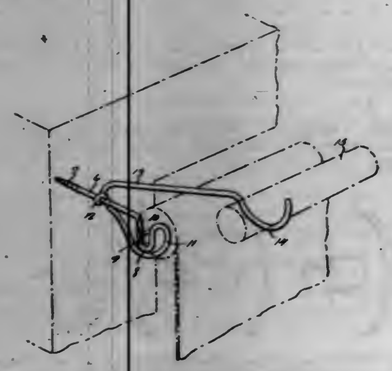
1. A steering attachment having a flat plate with a hub in its center, and lugs on each corner, an L-shaped arm with its short end held in the hub of the plate by a pin, and its long end being provided with a clamp for slidably attaching it to the tie rod of a vehicle; a suitable casing having a hole in it in which the short end of the L-shaped arm is pivotally mounted in such a manner that the plate will be on the inside of the casing and

the long end of the arm will project on the outside, said casing being provided with lugs and U-bolts for attaching it to the front axle of a motor vehicle; and coil



springs mounted upon round lugs in the casing and at each side of the flat plate, and said springs having extended ends that bear against the lugs on the flat plate.

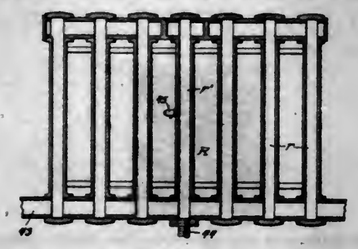
1,480,841. COMBINED SHADE AND CURTAIN BRACKET. WILLIAM H. SIMMONS, Cleveland, Ohio. Filed May 15, 1922. Serial No. 561,009. 1 Claim. (Cl. 156—24.)



A combined shade and curtain bracket comprising a piece of wire bent to form a shank having a threaded rear end, a shade roller bearing at the front end of said shank, a backwardly curved loop, a coil around the shank, and a forwardly extending arm provided at its front end with a hook to hold a curtain pole, the shade roller bearing portion, and the arm, extending from the coil at an acute angle to the shank.

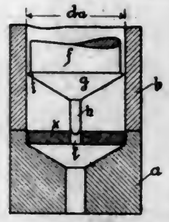
1,480,842. RADIATOR FOR HEATING AND VENTILATING UNITS. WILFRED SHURTLEFF, Moline, Ill., assignor to Moline Heat, Moline, Ill., a Corporation of Illinois. Original application filed Mar. 10, 1919, Serial No. 281,790. Divided and this application filed Oct. 29, 1920. Serial No. 420,332. 2 Claims. (Cl. 257—137.)

2. A radiator structure comprising a plurality of sections connected together for the rapid circulation of hot steam therethrough, one of said radiator sections being disconnected at its top from the others to form a dead



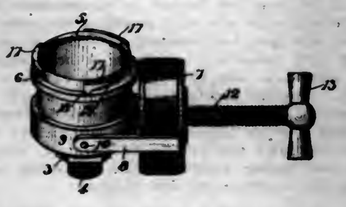
space for the condensation for separating the condensed steam and air, said section having an air vent.

1,480,843. METHOD FOR THE COLD SPURTING OF TUBES AND THIN-WALLED METAL PIPES OF LEAD, TIN, AND ESPECIALLY ALUMINUM. FRITZ SINGER, Nuremberg, Germany, assignor to Fritz Neumeyer A-G., Nuremberg, Bavaria, Germany. Filed Feb. 21, 1922. Serial No. 538,349. 1 Claim. (Cl. 207—10.)



Method for the production of compressible tubes and other thin-walled tubes of lead, tin and especially aluminum consisting in moulding the tubes from square blanks by the cold extrusion process.

1,480,844. GREASE CUP. VERLE V. VAN NATTAN and WILLIAM W. DAVIS, San Francisco, Calif., said Van Nattan assignor to said Davis. Filed Nov. 21, 1922. Serial No. 602,352. 4 Claims. (Cl. 184—88.)

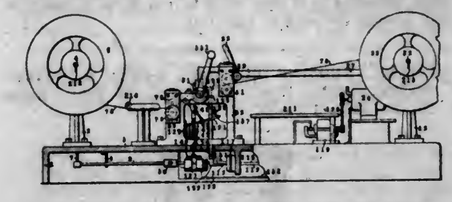


1. A grease cup comprising a cup open at one end and having a discharge opening formed in the opposite end, a cover for the cup, a floating ring vertically movable and turnably mounted on the exterior of the cup, said ring having a movement substantially from end to end of the cup, a ball rigidly connected to the cover and pivotally connected to the floating ring, said ball permitting tilting of the cover with relation to the cup and the ring, and means for securing the cover to the cup.

1,480,845. FILM-TESTING INSTRUMENT. MAXWELL VIDAVER, New York, N. Y., assignor to Film Inspection Machine Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,256. 88 Claims. (Cl. 73—51.)

1. In a strip testing instrument, in combination, a feature detector adapted to move in the direction of feed

of the strip, means adapted to hold said detector against such movement pending detecting co-operation with the

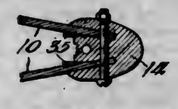


strip and means adapted to release said detector from said holding means upon said detecting co-operation.

1,480,846. ALUMINUM ALLOY. ALFRED VON ZEERLEDER, Neuhausen, Switzerland, assignor to Aluminium-Industrie-Aktiengesellschaft, Neuhausen, Switzerland, a Swiss Corporation. Filed Feb. 10, 1922. Serial No. 535,655. 2 Claims. (Cl. 75—1.)

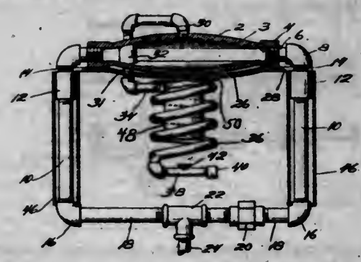
1. An aluminum-copper-iron alloy consisting of from 88% to 95% aluminum, the remaining 12% to 5% being made up of copper and iron in the relative proportions of two parts of copper to one part of iron, approximately.

1,480,847. STORAGE-BATTERY CLIP. HERBERT EDWARD WALKER, Chicago, Ill. Filed Oct. 27, 1919. Serial No. 333,500. 6 Claims. (Cl. 173—273.)



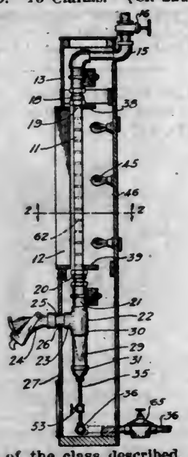
1. A spring clip for storage batteries and the like, comprising separate, resilient, diverging members provided at their forward ends with jaws, and obliquely crossing each other in rear of said jaws, said members being adapted to be normally urged away from each other to hold the jaws in gripping contact with a conductor element and, when pressed together, to separate the jaws to permit them to be freely passed over the conductor element, and rigid spacing and member connecting means located at the rear ends of said separate members and to constitute non-adjacent, independent fulcrums forwardly of the rear end of said clip about which said members flex.

1,480,848. OIL BURNER. GEORGE W. WALSH, Kansas City, Kans. Filed Jan. 9, 1922. Serial No. 527,997. 7 Claims. (Cl. 158—64.)



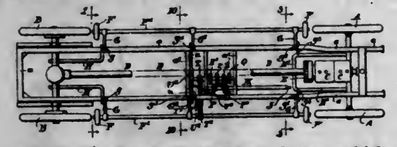
1. In an oil burner, the combination with a hollow generator formed with a series of flutes on the inner face of its top, a fuel supply pipe leading to said generator, a gas discharge pipe in communication with said generator, and a gas jet located centrally of said generator and below the same.

1,480,849. LUBRICATING-OIL DISPENSER. RALPH G. ADAMS, Fullerton, Calif. Filed Mar. 22, 1922. Serial No. 545,800. 15 Claims. (Cl. 221—67.)



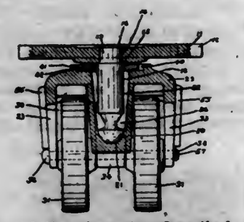
1. In a device of the class described, the combination of: a sight column; means for introducing a liquid into one end of said sight column; means for drawing off said liquid from the opposite end of said sight column; and means for percolating a flow of air through the liquid contained in said sight column.

1,480,850. AUTOMOBILE JACK AND SHIFTER. ARTHUR W. ALLEN and ALEXANDER E. KOSHELL, Sacramento, Calif. Filed July 5, 1921. Serial No. 482,339. 8 Claims. (Cl. 180—1.)



1. The combination with a motor driven vehicle, of rollers carried thereby, means operated by the motor for moving the rollers to raise and lower the vehicle bodily, means operated by the motor to move the vehicle sidewise in either direction when raised and supported by said rollers, and a single operating lever controlling all of said movements.

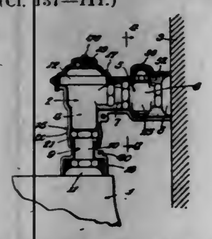
1,480,851. CASTER. FRANK A. BAUM, Hamilton, Ohio. Filed July 12, 1922. Serial No. 574,407. 5 Claims. (Cl. 16—47.)



1. A caster, of the character described, comprising a plate, constructed for attachment to a truck or the like, a depending stem rigidly secured to said plate; a wheel bearing housing having a pocket or cup therein receiving the said depending stem, means for locking the housing and depending stem rotatably together, a wheel rotatably mounted upon said housing; said housing having an oval socket or recess therein surrounding the upper end of the

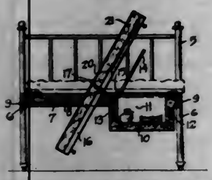
said pocket or cup, and a substantially circular disc within said socket or recess having an opening therethrough receiving the depending stem, said disc being of a diameter substantially the same as the shorter diameter of the said socket or recess but substantially greater than the diameter of the upper end of the said pocket.

1,480,852. VALVE SHIELD. THOMAS R. BURKE, Washington, D. C. Filed Sept. 9, 1922. Serial No. 587,173. 13 Claims. (Cl. 137—111.)



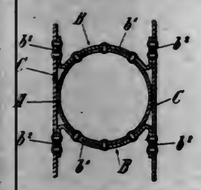
5. A valve shield for installation upon a flushing valve having an inlet and an outlet coupling connected with its casing, comprising sections to be fitted about one of said couplings and the valve casing in matched relation, said sections having extensions, a cap section to be fitted to the valve casing and engage the first-mentioned sections in a manner to maintain the same assembled, the said cap section having an extension for coaction with the first-mentioned extensions to enclose the said inlet coupling, and means for maintaining the cap section fixed with relation to the valve casing and thereby maintain the other said sections likewise in assembled relation.

1,480,853. COMBINATION BEDSPRING AND CABINET. LOUIS DIAMOND, New York, N. Y. Filed Oct. 28, 1922. Serial No. 597,465. 1 Claim. (Cl. 5—308.)



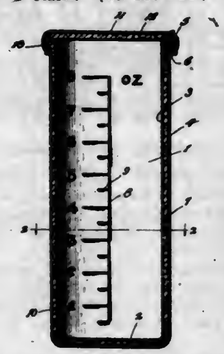
The combination with a bedstead, of a frame, a cabinet formed integrally with said frame, a cover for said cabinet, a spring member, a standard on said spring member, a saddle on said frame, a bolt held in said standard and adapted to be seated in said saddle to provide a pivot point for said spring member relative to said frame, and means for locking said spring to said frame on both sides of said bolt member whereby when the spring is in locked position on said frame, said cabinet is inaccessible.

1,480,854. ASSEMBLAGE-POINT CONNECTION IN TUBULAR STRUCTURES. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Nov. 20, 1920. Serial No. 425,586. 2 Claims. (Cl. 287—54.)



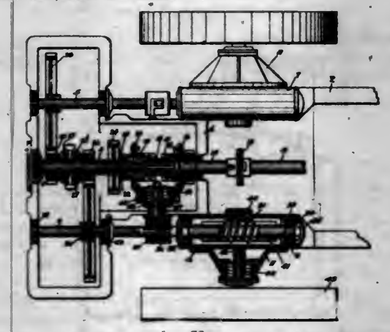
1. In a structural connection of the kind described in combination, a tube, a plane-faced structural member and a sheet metal gusset plate connected by rivets to both said tube and said member, the portion of said gusset plate adjoining said tube being curved so as to apply itself against the wall of said tube.

1,480,855. NURSING BOTTLE. GEORGE L. DUNKELBERGER, Billings, Mont. Filed Sept. 29, 1921. Serial No. 504,220. 1 Claim. (Cl. 215—11.)



A nursing bottle consisting of a cylindrical metallic container having a mouth of the same diameter as the bottom of the container and provided with inner and outer walls of aluminum intimately united at said mouth and being otherwise free throughout their entire extent, the outer wall having an external bead surrounding the mouth of the container and provided with a flat upper seating face and the inner wall having a longitudinal rib formed thereon with branch ribs extending circumferentially therefrom and constituting a scale of measurements visible from the inside of the container only, a heat insulating medium filling the entire space between said walls, and a sealing cap having a yieldable filler adapted to rest upon the flat upper seating face of the bead and entirely covering the mouth of the container and having a depending rim embracing the bead on the outer wall of said container.

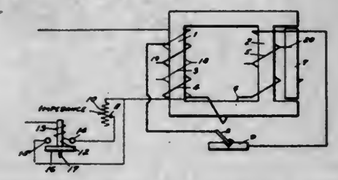
1,480,856. GEAR TRANSMISSION MECHANISM. CLAUDE D. ENOCHS, Minneapolis, Minn. Original application filed June 15, 1921, Serial No. 477,706. Divided and this application filed Feb. 26, 1923. Serial No. 621,293. 4 Claims. (Cl. 74—57.)



1. A power plant transmission comprising in combination a gear case having the upper face thereof in one plane, a forwardly extending engine mounting yoke forming an integral part of said gear case, a main drive shaft, a differential shaft and two worm shafts horizontally mounted in one plane in said gear case, two worm and worm gear casings formed integral with said gear case, the worm case portions thereof having their axes

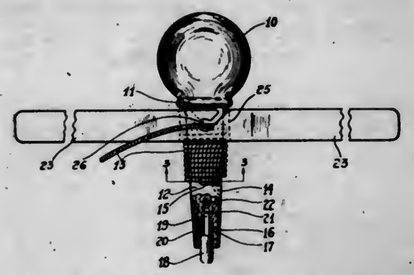
lying in the plane of the face of said gear case, a gear housing having its lower face in one plane and forming a cover for said gear case, gears associated with said shafts for transmitting power from said main shaft to said worm shafts, worms driven by said worm shaft and mounted in said worm housings, worm gears driven by said worms and mounted in said worm gear housing, and drive wheel shafts driven by said worm gears.

1,480,857. ELECTRIC-ARC-WELDING SYSTEM. WALTER HERBERT FLOOD, Tooting, London, and DONALD TRENTHAM SMCUT, West Dulwich, London, England, assignors to Electric Arc Cutting & Welding Company, Newark, N. J. Filed Sept. 2, 1920. Serial No. 407,771. 7 Claims. (Cl. 219—815.)



1. An arc welding system comprising a transformer having primary and secondary windings, an auxiliary winding connected in series relation to the secondary winding, a set of working electrodes connected to the secondary winding, an impedance device connected in series with the primary winding, and means for shunting the impedance from the primary circuit when current flows in the secondary winding.

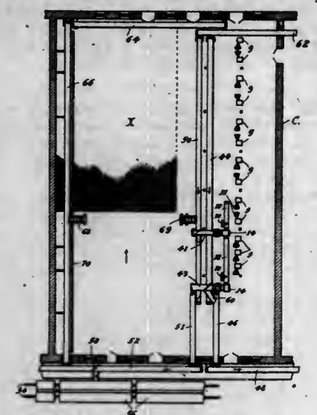
1,480,858. TOY. WILLIAM GOETZ, Noroton Heights, Conn. Filed Apr. 1, 1922. Serial No. 548,577. 1 Claim. (Cl. 46—32.)



A spinning top comprising a spherical knob, a conical stem depending therefrom, a ferrule secured about the lower portion of said stem, a tip pin slidable axially in said stem, said pin having a reduced portion, reaching into the body of said stem, a spring encircling the reduced portion normally projecting the pin outwardly of the stem, means for limiting the relative movement of said pin and stem, and means for spinning the top.

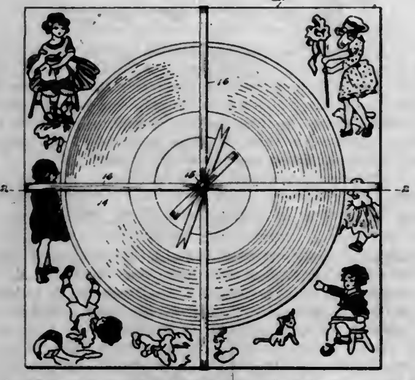
1,480,859. METHOD OF PACKING AND LOADING FLOUR. HENRY O'B. HARDING, Minneapolis, Minn., assignor to Washburn Crosby Company, Minneapolis, Minn., a Corporation. Filed Dec. 26, 1918. Serial No. 268,374. 1 Claim. (Cl. 214—152.)

The method of packing and loading flour which consists in continuously packing the flour into sacks, closing the filled sacks while conveying them in upright position and then when sufficient cars are available delivering all of the closed sacks directly to a carrier system for conveying the sacks to the cars, and when sufficient cars are not available handling a portion of the sacks coming from the packers in the manner just stated and storing the remainder of said sacks, and subsequently when sufficient cars are available delivering the stored sacks and



the sacks as they are filled and closed directly to the same carrier system for conveying said stored sacks and sacks as filled to the cars.

1,480,860. PACKAGE. JOSEPH NESS, East Lake, Ga. Filed Dec. 30, 1922. Serial No. 609,909. 2 Claims. (Cl. 206—46.)



1. A container of the character described comprising a tray, a cover for the tray, a phonograph record secured to the cover exteriorly thereof, ribbon or cord means carried by the cover and extending through the aperture in the record for securing the same to the cover, said means also securing the cover to the tray.

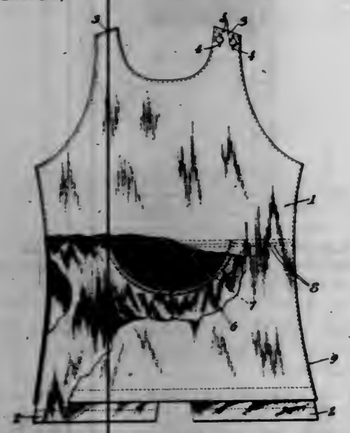
1,480,861. SCREEN SHIELD. ARMAND E. NEWMAN, New York, N. Y. Filed July 16, 1919. Serial No. 311,236. 2 Claims. (Cl. 296—95.)



1. A screen shield comprising a netting, two stiff side frames, two pliable frames connecting the two side frames, said netting being rigidly set into all four frames, thus

forming a solid panel, expansible side clamps for gripping the stiff side frames, a hinge at one end of said clamps, locking means for setting said clamps to any desired position, means for rigidly attaching said clamps to a desired object at one end, and clips at the other end for holding the clamps in vertical position.

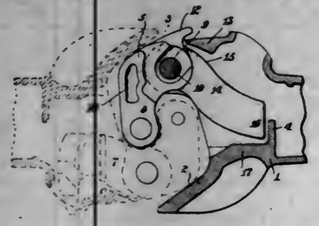
1,480,862. BATHING SUIT. EDWARD G. OSTERMAN, New York, N. Y., assignor to Long Island Knitting Mills Co., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 9, 1921. Serial No. 521,075. 2 Claims. (Cl. 2—144.)



1. A bathing suit having a body portion made up of a jersey, trunks joined thereto at both sides of the suit but with their upper middle front and rear portions cut away, said jersey and trunks being of horizontally elastic material, front and rear inserts of vertically elastic material disposed in said cut away portions of the trunks, and a flap extending down over the trunks,

2. The combination set forth in claim 1, wherein said body and trunks are made of vertically ribbed material, and the inserts of horizontally ribbed material.

1,480,863. EMERGENCY KNUCKLE FOR CAR COUPLERS. EBEN RAY PACKER, New Rochelle, N. Y., assignor to Q. & C. Company, New York, N. Y., a Corporation of Maine. Filed Feb. 16, 1920. Serial No. 358,999. 2 Claims. (Cl. 213—111.)



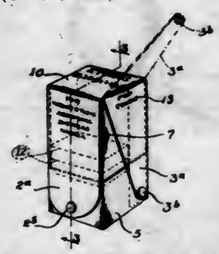
1. An emergency knuckle adapted to take the place of the ordinary knuckle in a car coupling comprising a body provided with an aperture for receiving the pivot pin of the coupling for holding it in place, a coupling jaw and retaining means for retaining said jaw in locked position, said retaining means comprising external and internal shoulders positioned to engage the side wall of the coupler or draw bar head, said internal shoulder being formed by a comparatively short arm adapted by vertical engagement with the interior of the coupling head to retain the emergency knuckle in position and effective for locking when a pin lug of the coupler head is broken off and said arm being formed whereby its inner extremity is positioned to engage at opposite sides with an internal wall of the coupler head when rotated in either direction and of such length as to be contained wholly within the forward opening of the coupler head.

1,480,864. INTERMITTENT FEED MECHANISM FOR CINEMATOGRAPHIC APPARATUS. PERCY ALFRED REED, London, England, assignor to Cinechrome Instruments, Limited, London, England. Filed Jan. 10, 1921. Serial No. 436,323. 5 Claims. (Cl. 74—7.)



1. In a cinematographic apparatus, intermittent feed mechanism for accelerating the film shift period and lengthening its stationary period, said mechanism comprising a pair of shafts mounted parallel to but out of line with each other, a cross coupling having a floating member between the two shafts, means for engaging and moving the film, an operative connection between the said floating member of the cross coupling and the film engaging and moving means, and means to rotate one of said shafts, said floating member of said cross coupling transmitting an accelerated intermittent movement to the film.

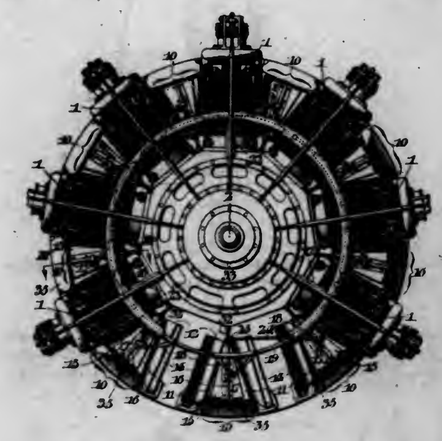
1,480,865. PROMPT-TREATMENT KIT. CHARLES B. SLADE, New York, N. Y., assignor to Ethicus Prompt Treatment Kit, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 7, 1922. Serial No. 599,531. 9 Claims. (Cl. 206—12.)



1. A multi-pocket kit comprising in combination a relatively large box, a relatively small box having one side held against what is ordinarily the bottom of said large box and opening in a direction at right angles to that in which said larger box opens, a second relatively small box also abutting against said large box, but facing in the direction opposite from said first small box, pieces fastened across the ends of said boxes, a band around said boxes at their one ends, flaps hinged to said boxes at their other ends, and means whereby said flaps may be releasably fastened over the openings of said boxes.

1,480,866. AIR COOLING OF INTERNAL-COMBUSTION ENGINES. JOHN W. SMITH, Philadelphia, Pa. Filed June 24, 1920. Serial No. 391,459. 7 Claims. (Cl. 123—171.)

1. In aircraft including an internal combustion engine, the combination with a cylinder of an air conducting means aligning longitudinally therewith comprising a portion directed forwardly with respect to the direction of flight to receive air therein by virtue of the movement of the craft, and a continuing portion located at the rear side of the cylinder and directed forwardly with respect to the direction of flight so as to pilot cool air for impingement directly radial against the back of said cylinder and in such a manner as to prevent external air, heated by

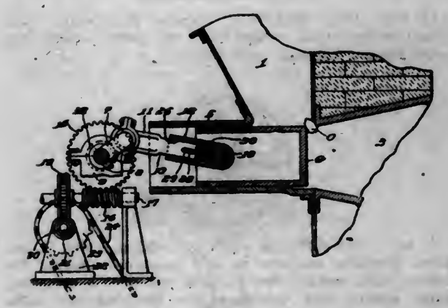


passage around the cylinder, from hugging the walls of the cylinder around the rear side, through opposition to the flow of such heated air effected by the flow of cool air issuing from the forwardly directed portion.

1,480,867. COMPOSITION. TONY SMITH, Cincinnati, Ohio. Filed Feb. 10, 1923. Serial No. 618,404. 1 Claim. (Cl. 106—34.)

In a composition of the class described including substantially 2% granite sand, 1% Portland cement, 50% lime, 32% plaster of Paris and 15% alum, the said ingredients being reduced to a plastic mass through the medium of a sufficient amount of water.

1,480,868. AUTOMATIC STOKER. WILLIAM C. STRIPE, Pittsburgh, Pa. Filed Feb. 25, 1922. Serial No. 539,109. 5 Claims. (Cl. 110—109.)



4. In an automatic stoker, the combination of a ram, means for reciprocating said ram comprising a connecting rod having relatively longitudinally movable sections, a crank and a train of gearing for rotating the crank, a frangible member interposed in said train and adapted to shear to relieve the train when said ram is incapable of movement in one position, and yielding means interposed between the sections of said rod adapted to yield to permit relative longitudinal movement of said sections when said ram is incapable of movement in another position.

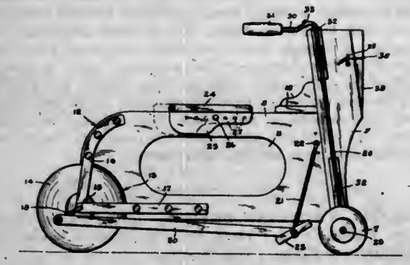
1,480,869. METHOD OF COLORING MAGNESIUM AND MAGNESIUM ALLOYS BY ETCHING. FELIX THOMAS, Frankfort-on-the-Main, Germany, assignor to the Firm Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 24, 1921. Serial No. 494,948. 19 Claims. (Cl. 148—7.)

1. The method of coloring magnesium and magnesium alloys by etching, which comprises the simultaneous treatment of said metal with chromic acid and a solution of a salt of a heavy metal.

1,480,870. METHOD FOR ROLLING MAGNESIUM ALLOYS. FELIX THOMAS, Frankfort-on-the-Main, Germany, assignor to the Firm Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Aug. 24, 1921. Serial No. 494,949. 7 Claims. (Cl. 148—11.)

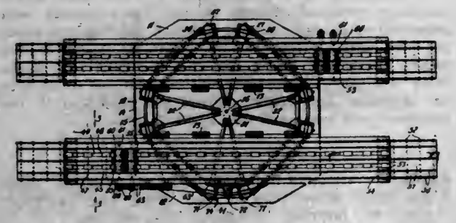
1. The method of rolling magnesium-zinc alloys which comprises submitting the alloy to be rolled to heat in such a way that its temperature right through is 220-250° C. and thereupon rolling said heated alloy at said temperature.

1,480,871. CHILD'S VEHICLE. VANDEVERE TIFFIN, Tacoma, Wash., assignor of nineteen-twentieths to Frank Kelble and one-twentieth to John G. Luhrman, both of Seattle, Wash. Filed Dec. 13, 1921. Serial No. 522,037. 5 Claims. (Cl. 208—118.)



1. In a vehicle of the class described, a frame having a relatively wide front frame portion, an upright steering rod pivotally mounted at each side of said front frame portion, outwardly bent trunnions at the bottom ends of said steering rods, wheels on said trunnions, rearwardly bent handle bars at the upper ends of said steering rods, a link connecting said two handle bars for holding said wheels in parallel relation, a body member rigidly secured to said front frame portion and extending rearwardly therefrom, a seat on said body member and a wheel at the rear end of said body member.

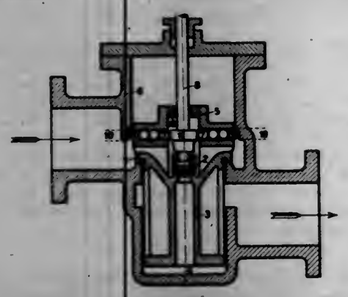
1,480,872. PORTABLE TURNTABLE. CHARLES T. TOPPING, Pittsburgh, Pa. Filed June 23, 1919, Serial No. 306,057. Renewed June 14, 1923. 15 Claims. (Cl. 104—44.)



1. A portable turntable comprising a base of thin flat material adapted to rest on the ground, a pivot pin

secured thereto and a circular track; a rotary frame having a part engaging said pivot pin, rollers journaled on the frame over the track and a platform resting upon the frame the base extending continuously beneath the track and rotary frame.

1,480,873. VALVE. FRITZ WAGNER, Berlin-Lichterfelde, Germany. Filed Apr. 21, 1921. Serial No. 463,343. 29 Claims. (Cl. 277—36.)



18. In combination, a main valve member having a passage therethrough, a radial passage and an abutment above the latter, an auxiliary valve for said first mentioned passage, a valve stem connected to said auxiliary valve and having a flange below said abutment and adapted to engage with the latter to open the main valve after the opening of the auxiliary valve, a locking member in said radial passage, and means for forcing said locking member into engagement with said stem after said auxiliary valve has been opened and said flange has engaged with said abutment to begin the opening movement of the main valve.

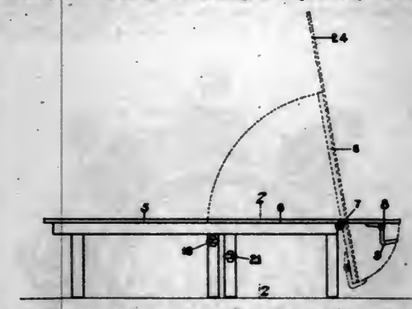
1,480,874. SWIMMING DEVICE. JOHN WEISS, Pompton Plains, N. J. Filed Mar. 19, 1923. Serial No. 626,013. 1 Claim. (Cl. 9—21.)



A swimming device comprising a waist belt, a gas generator attached thereto, means for supplying said generator with gas making material, said means being provided with a tight closure, inflatable floats, flexible means connecting the floats with the belt, said floats being removable and independent outlet tubes connecting the generator and floats whereby gas generated in the generator will enter and inflate the floats.

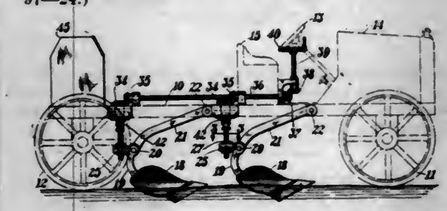
1,480,875. GLASS-CUTTING TABLE. SAMUEL JOHN BARTLETT, Barry Dock, Wales. Filed Dec. 14, 1922. Serial No. 607,010. 7 Claims. (Cl. 49—48.)

1. A glass cutting table comprising in combination a fixed part to said table, a pivotally mounted part to said table, both parts arranged normally to lie as one flat surface, and means for raising the pivotally mounted



part of said table so that after the cutting operation the glass will be severed along the line of cut.

1,480,876. AGRICULTURAL IMPLEMENT. TERRIE BERRY, Mount Hope, N. J. Filed July 19, 1922, Serial No. 575,953. Renewed Dec. 6, 1923. 2 Claims. (Cl. 97—24.)



1. An agricultural implement comprising a frame, an arm hinged thereto, a plow element hinged in turn to the free end of the arm, said arm and plow element being each hinged for vertical adustment, and a unitary means for simultaneously swinging the arm and plow element on their respective hinge axes, said unitary means including a pair of screws of relatively varying pitch having threaded engagement with the arm and plow element respectively, and a common operating element adapted to rotate said screws in unison.

1,480,877. COIN HOLDER. ANDREW BLICKFELDT, Central Falls, R. I. Filed Sept. 8, 1923. Serial No. 661,641. 7 Claims. (Cl. 133—6.)



1. In a coin holder, a container having a slot, a follower pivotally mounted in said container adapted for forcing coins toward and through said slot, a discharge guide within said container for directing the coins through said slot, and means associated with said slot for controlling the discharge of coins.

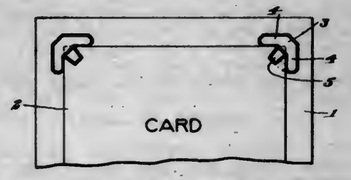
1,480,878. MEANS FOR AND METHOD OF PRODUCING CONCRETE PILES. MAURICE BLUMENTHAL, Brooklyn, N. Y. Filed Aug. 5, 1919. Serial No. 315,460. 8 Claims. (Cl. 61—57.)

1. A concrete pile comprising a hollow tubular shell, a body of concrete material within said shell, the shell having portions of its side walls at points spaced apart circumferentially of the shell bent outwardly providing

openings thru said side walls, and a portion of the body of cement projecting thru said openings providing integral extensions of the pile spaced apart circumferentially of the shell lying in engagement with the outwardly bent portions of said shell.



1,480,879. PHOTO MOUNT. WILLIAM J. BOWLER, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Filed Mar. 30, 1923. Serial No. 628,751. 5 Claims. (Cl. 40—156.)



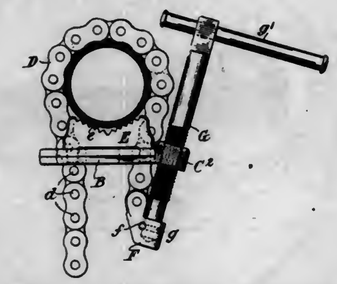
1. A mount for an article of the type described, having a portion shaped to extend around the corner of the article and a central tab dividing the angle of said portion and laterally free therefrom—adapted to overlap the corner of the article.

1,480,880. ORNAMENTAL CROSS. JAMES S. BRENNAN, Attleboro, Mass. Filed May 26, 1923. Serial No. 641,645. 8 Claims. (Cl. 41—10.)



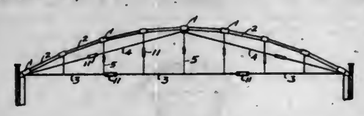
1. An ornamental cross comprising a body portion and arms extending outwardly therefrom, the body portion and arms being provided upon one side thereof with a recess extending substantially throughout the length of said body portion and arms, and a plurality of ornamental stones secured in the recess.

1,480,881. PIPE VISE. GEORGE W. BUFFORD, Buffalo, N. Y., assignor to J. H. Williams & Co., Brooklyn, N. Y., a Corporation of New York. Filed July 8, 1922. Serial No. 573,702. 2 Claims. (Cl. 81—19.)



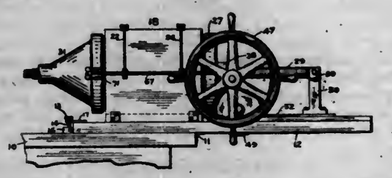
1. A pipe vise comprising a bed plate having a screw threaded opening therein, an adjusting screw extending through said opening, a chain adapted to extend across the bed plate, one terminal link of said chain carrying a socket member and the adjusting screw being swiveled to the socket member.

1,480,882. ARCH. LOUIS DAVIDSON, New York, N. Y. Filed June 2, 1921. Serial No. 474,505. 9 Claims. (Cl. 108—1.)



1. An arch or truss having a general curvilinear shaped upper chord comprising segments and shoes, sockets entirely closed in any cross section thereof in said shoes into which the ends of said segments or beams are adapted to be inserted, means whereby the compression load is transmitted from the end face of one segment to the end face of another without stressing the outer walls of the shoes, said sockets having connected walls for sustaining distortion strains in vertical and horizontal planes.

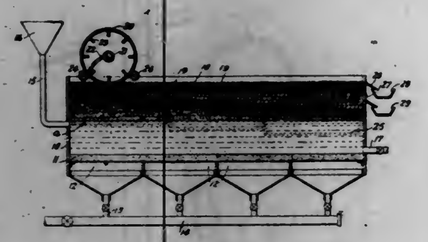
1,480,883. DEVICE FOR DISPENSING PASTE OR LIKE MATERIAL. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed June 9, 1920. Serial No. 387,673. 8 Claims. (Cl. 221—78.)



1. In a device of the character described, a support, a base plate normally resting thereon but hinged thereto to be swung into a vertical position relatively to the support, a container mounted on said base plate, a plunger disposed within the container for discharging

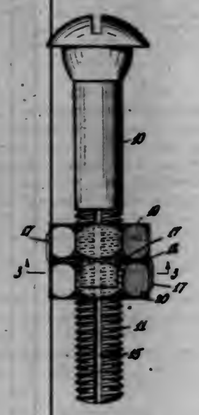
material therefrom, and means reciprocably mounted on said base plate and connected to said plunger to operate the same.

1,480,884. METHOD OF CONCENTRATING ORES. SAMUEL H. DOLBEAR, San Francisco, Calif., assignor to Pneumatic Process Flotation Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 15, 1920. Serial No. 431,024. 6 Claims. (Cl. 83—85.)



1. The method of concentrating ores which comprises distributing pulverized ore evenly and without agitation directly into contact with a substantially non-agitated body of froth having a selective retentive affinity for certain components of the ore, permitting other components to sink through the froth, and separating the components retained by the froth.

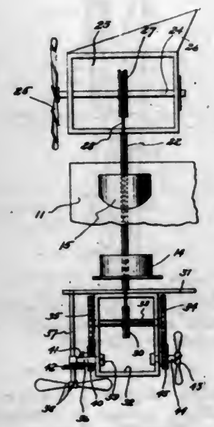
1,480,885. RAILROAD SAFETY BOLT LOCK. LUDWIG GROSSMANN, Camden, N. J. Filed Apr. 15, 1922, Serial No. 553,178. Renewed Dec. 6, 1923. 4 Claims. (Cl. 151—15.)



1. A nut-lock comprising an apertured disk having a lug on the wall of its aperture adapted to engage in a groove in a bolt, and an ear on its edge adapted to be bent into contact with a side of a nut, and means for rotatively varying the positions of the said lug and ear.

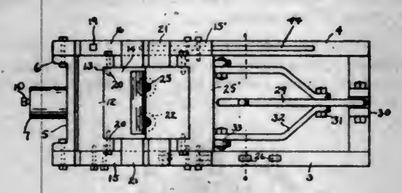
1,480,886. VENTILATING FAN. JOHN KOVACH, Tamaroa, Ill. Filed Nov. 13, 1922. Serial No. 600,533. 1 Claim. (Cl. 98—27.)

A ventilating apparatus comprising a pair of vertically alined casings, thrust bearings carried by said casings, a shaft supported thereby, frames attached to the ends of said shaft, one of said frames being above the roof of a supporting building, and the other in a compartment below, a fan driven by the wind, said fan being housed in the upper of said frames, said casings and bearings



constituting means for rotating said frames and shaft when actuated by the wind, whereby said fan is adjusted to receive the full force of the wind, a plurality of fans carried by the lower of said frames, and means for transmitting motion from the first named fan to the other fans.

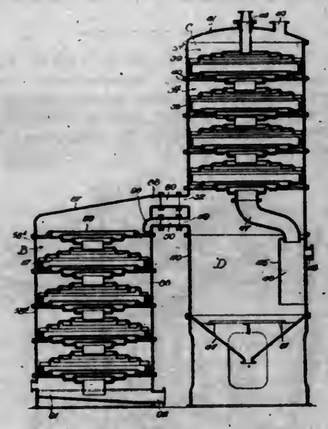
1,480,887. CASTING APPARATUS. WILLIAM W. MCCARTER, Houston, Tex. Filed Dec. 27, 1921. Serial No. 525,057. 3 Claims. (Cl. 22—153.)



1. In a casting apparatus, the combination of a mold having a slight play forwardly and backwardly, means to hold said mold resiliently forward, a slidable mold jaw, a guide track having a groove therein, a projection on said jaw slidable in said groove, and means to move said slidable jaw and to lock the same in operative position.

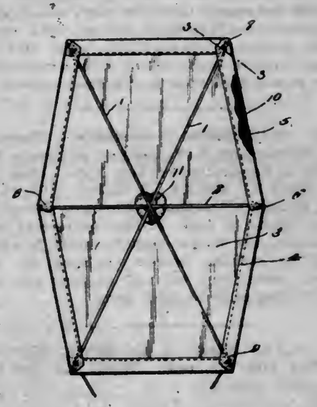
1,480,888. APPARATUS FOR PRODUCING INTERACTION BETWEEN GASES AND LIQUIDS. CHARLES H. MARSHALL, Crafton, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1919. Serial No. 339,673. 8 Claims. (Cl. 203—1.)

1. In an apparatus of the character described, in combination: a casing; and a series of continuous channel members for directing liquid flow, said channel members being of progressively varied dimensions peripherally and mounted within said casing in overlapping spaced relation with respect to each other and at progres-



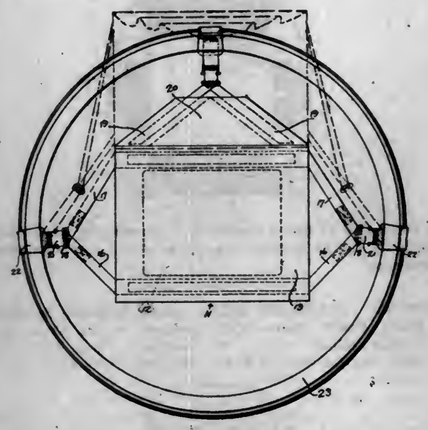
sively lower levels, whereby liquid introduced through the top of the casing onto said channel will discharge from one channel to the next lower channel, thereby flowing through progressively lower levels to the bottom of the said casing; substantially as specified.

1,480,889. KITE CONSTRUCTION. EDWARD MASSA, Los Angeles, Calif. Filed Sept. 1, 1922. Serial No. 585,591. 1 Claim. (Cl. 244—22.)



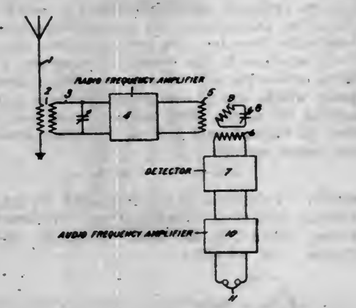
In kite construction, a frame comprising crossed sticks and a reinforcing stick intersecting said crossed sticks at the point where said crossed sticks intersect each other, a reinforcing cord extending around said frame and connected to the ends of said sticks, a fabric covering on said sticks having the edges thereof hemmed to provide a marginal pocket for said cord, the material forming said hem being in sections between the ends of said sticks and having the adjoining edges overlapped and stitched in such manner as to provide pockets for the respective ends of said sticks, and reinforcing tabs at the center of the fabric and at opposite sides thereof.

1,480,890. GUNNER'S CHAIR. LESSITER C. MILBURN, East Cleveland, Ohio, assignor to The Glenn L. Martin Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 7, 1923. Serial No. 643,885. 12 Claims. (Cl. 89—40.)



2. In combination, an airship, a gun carriage rotatably carried thereby, a gunner's seat, and means detachably suspending said seat from said carriage in such manner that said seat rotates with said carriage.

1,480,891. HIGH-FREQUENCY RECEIVING SYSTEM. HOWARD I. BECKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 20, 1921. Serial No. 486,218. 4 Claims. (Cl. 250—20.)

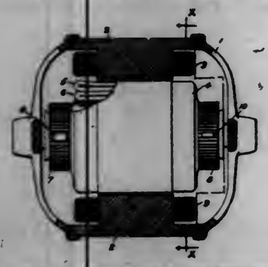


1. The combination in a high frequency signal receiving system of means for amplifying received signaling currents, means for detecting the amplified currents and a link circuit comprising a single inductance which is inductively connected between the amplifying means and the detecting means for supplying currents of signaling frequency to the detecting means and preventing the transfer to the detecting means of audio frequency currents.

1,480,892. COMMUTATOR DYNAMO-ELECTRIC MACHINE. SVEN R. BERGMAN, Nahant, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,403. 4 Claims. (Cl. 171—228.)

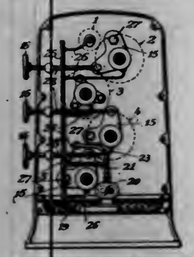
1. In combination an armature for a dynamo electric machine having a plurality of windings of different leak-

age reactance, commutators for said windings, and brushes on said commutators, the brushes on the respective commutators having a thickness, with respect



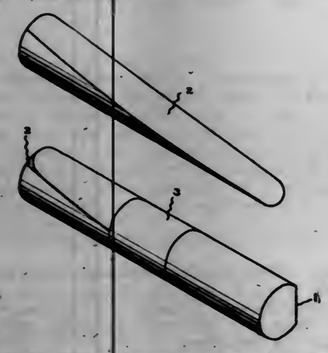
to the width of the corresponding commutator bars, proportional to the leakage reactance of the corresponding windings.

1,480,893. CYLINDER MILL. ADOLF BÜHLER, Sonnenhugel, Uzwil, Switzerland, assignor to the Firm Gebrüder, Bühler, Uzwil, Switzerland. Filed July 25, 1922. Serial No. 577,414. 2 Claims. (Cl. 184—6.)



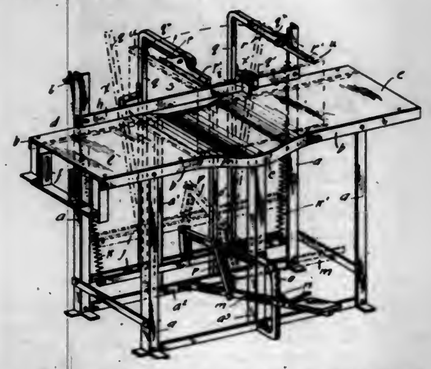
1. In lubricating mechanism for cylinder mills, the combination with two hollow frame members between which the cylinders are mounted and in which the driving gears at the ends of said cylinders are arranged; of a removable cover for each frame member, oiling devices for the bearings in the respective members, a pipe extending across the mill between the frame members and a pump within one of said frame members and directly supplying oil to the oiling device therein and also supplying oil through said pipe to the oiling device in the other frame member.

1,480,894. TAMPING PLUG FOR USE IN BLASTING. ARTHUR COCKBURN, Johannesburg, Transvaal, South Africa. Filed July 28, 1923. Serial No. 654,475. 2 Claims. (Cl. 86—21.)



1. A method of constructing tamping checks, comprising the steps of removing a portion of a cylindrical member longitudinally along a plane parallel with the axis of said member, and then splitting the resulting portion along its length in a plane at right angles to the first-mentioned plane and making an angle with the axis of the cylinder, thereby to form two complemental, reversely-arranged wedge-shaped members; substantially as described.

1,480,895. BOX PRESS. FRANK W. CUTLER, Portland, Oreg., assignor to Cutler Manufacturing Company, Portland, Oreg., a Partnership composed of Frank W. Cutler and Asa B. Cutler, both of Portland, Oreg. Filed Nov. 19, 1920. Serial No. 425,067. 2 Claims. (Cl. 100—57.)



1. In a box press, a table, a pair of arms located at one side of the table, said arms being movable vertically, and also together and apart, the upper ends of the arms being provided with portions extending horizontally crosswise of, and above the table top, means normally holding the arms uplifted and spaced apart, means for pulling the arms downward, means moving the arms together while moved downward, said arms being so adapted that a box may be moved lengthwise over the table top under their said horizontal arm-portions, and also pushed across, and from the table between the arms, when the latter are arranged in their said normal position.

1,480,896. FLUORESCENT SCREEN. WHEELER P. DAVEY, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1921. Serial No. 466,278. 5 Claims. (Cl. 18—57.)

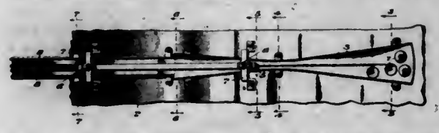
2. The process of making fluorescent screens which consists in mixing a finely divided fluorescent material with pyroxylin, the former material being in excess by weight adding sufficient solvent to bring the mixture to a plastic consistency too stiff to pour and shaping the same mechanically to sheet form.

1,480,897. CAN. FRANK B. DE MOTTE, Warrensburg, Ill. Filed May 15, 1920. Serial No. 381,740. 3 Claims. (Cl. 220—1.)



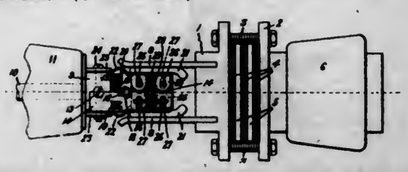
1. A metallic shipping and sterilizing can for packaging foods having an opening for the reception of the material to be sterilized, a closure for said opening permanently and hermetically sealed to said can, and a metallic conductor of heat within said can in contact with the material of the wall of said can and extending inwardly within the can, and constituting a transmitter of heat.

1,480,898. METHOD AND APPARATUS FOR SORTING WASHERS. HAROLD A. DENMIRE, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 27, 1922. Serial No. 532,246. 19 Claims. (Cl. 83—92.)



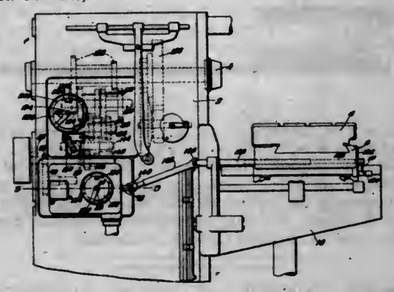
1. A process for handling cone shaped washers so that they will all lie in the same direction, comprising standing the washers on edge and then dividing them into two groups according to the direction in which they face, and then turning the washers of the two groups so that they all face in the same direction.

1,480,899. ELECTRIC SWITCH. HENRY G. FRENCH and HERMAN J. H. HUBER, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Oct. 10, 1922. Serial No. 593,606. 7 Claims. (Cl. 173—332.)



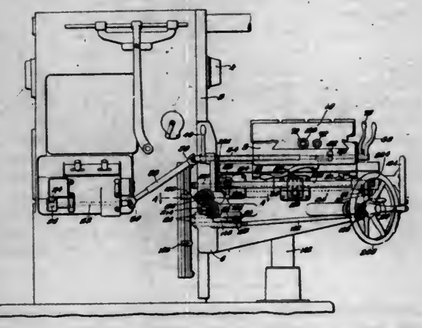
1. A contact device comprising a terminal member, supporting members pivotally associated therewith, resilient means for normally maintaining said supporting members in alignment with said terminal member and arranged to allow movement of said supporting members relatively to the terminal member, a plurality of contact fingers loosely mounted on said supporting members and independently movable relatively thereto, and resilient means arranged to spread said fingers apart.

1,480,900. MILLING MACHINE. BENJAMIN P. GRAVES, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a Corporation of Rhode Island. Filed July 22, 1922. Serial No. 576,786. 19 Claims. (Cl. 90—21.)



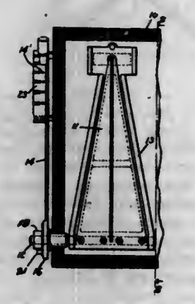
1. A milling machine having, in combination, a spindle, a work table, variable speed mechanism for relatively moving the spindle and work table, and adjusting means for said mechanism manually operable by the operator when stationed either at the rear or at the front of the table.

1,480,901. MILLING MACHINE. BENJAMIN P. GRAVES, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a Corporation of Rhode Island. Filed July 22, 1922. Serial No. 576,787. 10 Claims. (Cl. 90—21.)



1. A milling machine having, in combination, a spindle, a work supporting table, a saddle, a knee, mechanisms for moving the table, saddle and knee, means operable by the operator when stationed at the front of the machine for manually actuating each of said mechanisms, and means operable by the operator when stationed at the rear of the table for manually actuating each of said mechanisms.

1,480,902. THERMOSTATIC CONTROL DEVICE. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Nov. 12, 1920. Serial No. 423,702. 5 Claims. (Cl. 297—15.)

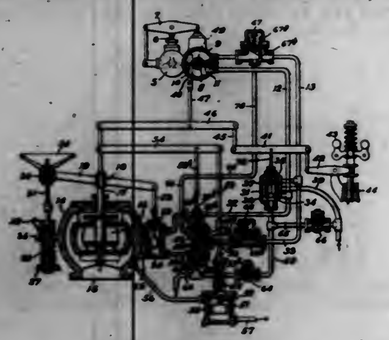


1. A temperature control comprising a thermostatic element, a support for said element, a control device operated by flexure of said element due to a predetermined change in temperature, and means whereby said support is released to relieve the element of strains due to changes in temperature in excess of said predetermined amount.

1,480,903. VALVE MECHANISM FOR ELASTIC-FLUID TURBINES OR OTHER PRIME MOVERS. REGINALD FRANCIS HALLIWELL, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed May 10, 1921. Serial No. 468,399. 17 Claims. (Cl. 137—158.)

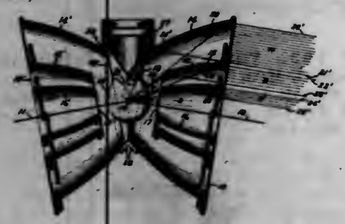
1. In a combination, a plurality of valve means for admitting elastic fluid of different pressures to a machine, a fluid actuated motor for each valve means, a single pilot valve connected to said motors in multiple, a governor connected to said pilot valve, means which

effects the operation of said motors in sequence, a movable abutment which is subjected to the pressure of the



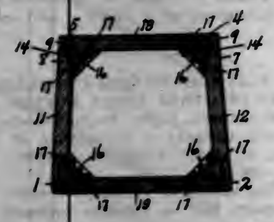
elastic fluid supplied through one of said valve means, and means connecting such movable abutment to such valve means.

1,480,904. HIGHWAY ILLUMINATOR. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,288. 13 Claims. (Cl. 240—25.)



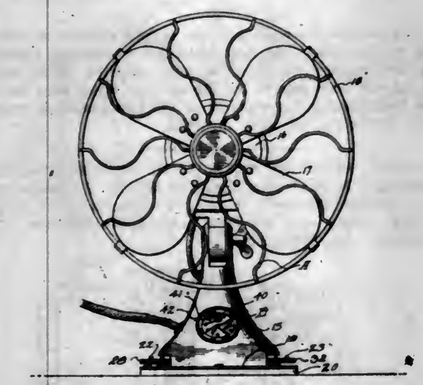
1. A lighting unit comprising a number of groups of spaced, nested paraboloidal reflecting frustra, the reflectors of each group having a common axis and different focal distances, the axes of the groups extending in different directions and all reflectors having a common focus, a casting connecting and supporting the groups of reflectors, a concentrated filament incandescent electric lamp removably seated in the casting with the filament in the focus, and openings in the lower faces of the reflectors for insertion and removal of the lamp and for the downward projection of light.

1,480,905. CHAIR. ISRAEL HERBERT, Syracuse, N. Y., assignor to The Elgin A. Simonds Company, Syracuse, N. Y., a Corporation of New York. Filed July 2, 1923. Serial No. 649,039. 5 Claims. (Cl. 155—196.)



3. In a chair, the combination with a pair of rear legs having grooves extending from front to rear thereof, and a plurality of recesses adjacent the grooves, of a seat frame having its side members formed with longitudinally extending flanges seated in said recesses of the legs respectively, and dowels projecting from the ends of the side members and extending substantially parallel with the flanges, and seated in the recesses in the legs respectively, and triangular bracing means within and secured to the seat frame at the junctures of the seat frame with the rear legs.

1,480,906. SELECTIVE AUTOMATIC ELECTRIC-FAN CONTROL. JEROME G. HEITZMAN, Fort Madison, Iowa. Filed Aug. 14, 1922. Serial No. 581,809. 5 Claims. (Cl. 161—1.)



1. In an electric fan control mechanism, an electric fan, a circuit therefor, an alarm clock mechanism incorporated with the fan including an alarm winding stem, a switch interposed in the circuit including a contact blade secured to the alarm winding stem, and a rigid contact point adapted to be engaged by the contact blade.

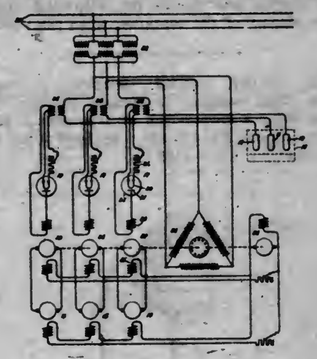
1,480,907. HEATING ELEMENT FOR FLUID CIRCULATORY SYSTEMS. FRANK W. HEWITT, Arlington, Mass., assignor to Simplex Electric Heating Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1922. Serial No. 604,151. 5 Claims. (Cl. 219—38.)



1. A heating element for a fluid circulatory system comprising a hose section insertable in the system, and an electric resistance coil supported concentrically of the section at its interior surface whereby, when the section is inserted in the system and the coil is interposed in an electric circuit, the fluid in the section will be heated and caused to circulate through the system.

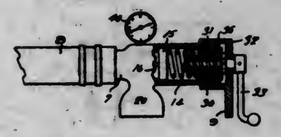
1,480,908. CONTROL OF ARCING ELECTRODES. EDWARD H. HORSTKOTTE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 14, 1921. Serial No. 507,706. 15 Claims. (Cl. 204—64.)

2. The combination with an electrode adapted to support an arc, of an electric valve connected to be responsive to an electrical condition of the arc supported by said electrode, and electro-responsive means controlled



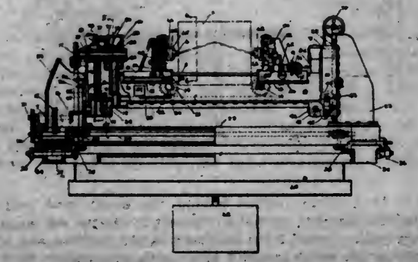
by said valve for regulating the arcing relation of the said electrode.

1,480,909. PRESSURE-REGULATING DEVICE. FRANK W. JOHNSON, Redlands, Calif. Filed Aug. 28, 1922. Serial No. 584,607. 1 Claim. (Cl. 50—35.)



A pressure regulating device comprising a casing having an inlet adapted for connection to a source of pressure supply, and an outlet, a valve in the casing controlling the passage from the inlet to the outlet, a piston connected to said valve and movable in the casing and subject to the pressure therein, a spring resisting movement of the piston incident to the pressure, and means to adjust the resistance of the spring, said means including a dial plate supported on the end of the casing and having thereon a scale indicating pressure, a plug slidable in the casing and acting on the spring and a rotary operating device extending through the dial plate and bearing against the plug and having an external lever handle cooperating with the scale to indicate the pressure at which the device is set.

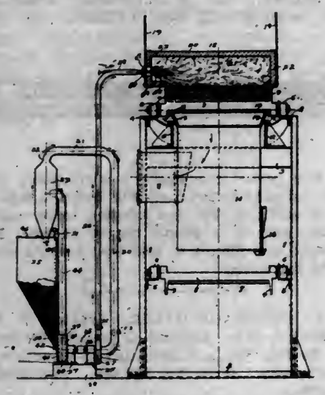
1,480,910. MACHINE FOR FORMING HELICAL GEARS. NIS LEERBERG, Edgewood, Pa. Filed Feb. 26, 1920. Serial No. 361,591. 24 Claims. (Cl. 90—10.)



1. In a gear cutting machine, means for holding a blank stationary during the tooth cutting operation, a cutting tool, a plurality of associated elements for supporting and impelling said tool in a helical path having an axis coincident with the axis of the blank, said elements including a pivoted tool support, trunnions on which said support is pivotally mounted, simultaneously acting means for moving said trunnions vertically with relation to a horizontal plane passing through the axis of the blank and the helix to be generated on the blank, and for moving the trunnions transversely toward the axis of the blank so that the pivotal axis of the support always falls within the radius vector of the helix, and for swinging the support about said trunnions.

10. In a gear planing machine, a cutting tool and a plurality of mechanisms adapted respectively to produce component movements of said tool parallel to the axis of a cylindrical blank, vertical to the horizontal plane of said axis, transverse to the vertical plane of said axis, towards said axis and angularly about said axis, the resultant of said movements being a helical movement of the cutting edge of said tool and a rotary movement of the body of said tool which maintains a constant angular relation between the axis of said tool and a radius vector extending from the blank axis to the cutting edge of said tool.

1,480,911. SINTERING MACHINE. RICHARD L. LLOYD, New York, N. Y., assignor to Dwight & Lloyd Sintering Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 13, 1919, Serial No. 330,482. Renewed June 19, 1923. 2 Claims. (Cl. 266—21.)

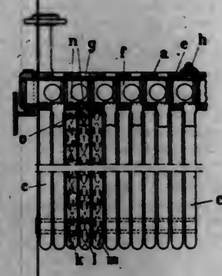


1. In an ore sintering apparatus, the combination of means for forcing air thru a predetermined area of an ore stratum, means for supporting a stratum of sinterable ore and for advancing it past and in operative relation with the said air forcing means, means for supplying ore to the supporting means and for forming a uniform stratum thereon while the supporting means are moving toward the air forcing means, means for supplying, in a stream, a combustible mixture of air and powdered solid carbon, and a holder adjacent the ore and arranged to receive said stream and direct the flames of combustion of the powdered solid carbon to the surface of the ore while it is moving from the ore supplying means to the air forcing means.

1,480,912. FEED-WATER HEATER. JOSEPH MARTIN, Munich, Germany. Filed Aug. 29, 1921. Serial No. 496,736. 6 Claims. (Cl. 122—426.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

6. In a feed-water heater a plurality of wrought iron flattened tubes, a removable cell frame in each tube, a continuous small air passage between the cell frame and roof of the tube, a perforated plate between cell frame and bottom of the flattened tube, each cell in the one flattened tube communicating through a preheating tube with a cell in another flattened tube, the ends of said

preheating tubes entering into the holes in said perforated plate, twisted strips of sheet metal in those pre-



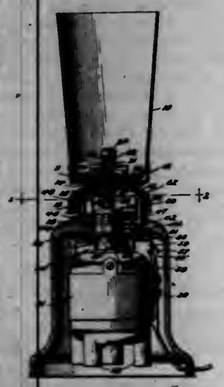
heating tubes in which, owing to their high temperature a high elimination of gas occurs, and longitudinal, rectangular slots in said sheet metal strips.

1,480,913. HAIR CURLER. MILTON D. MESEROLE, Milford, Conn., assignor to The Hayes-Meserole Mfg. Co., Inc., Milford, Conn., a Corporation. Filed Jan. 30, 1923. Serial No. 615,923. 2 Claims. (Cl. 132—41.)



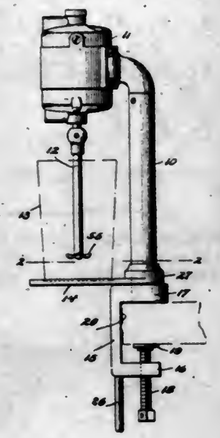
1. A hair curler, comprising a wire frame, having a rear bar and slide mounted on said frame, a main tongue hinged to said rear bar and adapted to be engaged by said slide, and an auxiliary tongue shorter than the main tongue also hinged to said rear bar and projecting forwardly therefrom.

1,480,914. BEVERAGE MIXER. STEPHEN J. POPLAWSKI, Racine, Wis., assignor to Arnold Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 18, 1922. Serial No. 537,439. 16 Claims. (Cl. 259—135.)



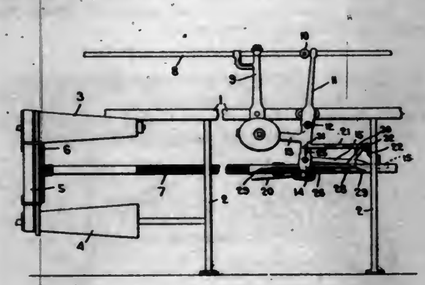
1. In a mixer, the combination with a stand, an electric motor inclosed by said stand and comprising a rotor having a shaft projecting from said stand, and a controlling switch within said stand, of a container adapted to be placed upon said stand and having therein an agitator comprising a shaft projecting from the bottom of said container, clutch connections between the rotor and agitator shafts, and means for actuating said switch upon the placing of the container upon the stand.

1,480,915. DRINK MIXER. STEPHEN J. POPLAWSKI, Racine, Wis., assignor to Arnold Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed July 18, 1921, Serial No. 485,440. Renewed June 15, 1923. 22 Claims. (Cl. 259—135.)



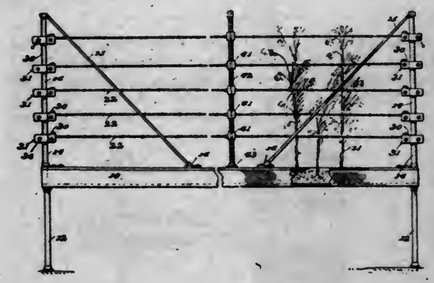
1. In a drink mixer, the combination with a motor-driven, vertically-disposed stirrer, of a container support in vertical alignment with said stirrer and movable horizontally to a container-releasing position, and means actuated by the movement of the support to control the motor drive.

1,480,916. FLY FRAME. NOAVEN PROVENCHER, Lowell, Mass. Filed Oct. 11, 1921. Serial No. 507,046. 5 Claims. (Cl. 118—33.)



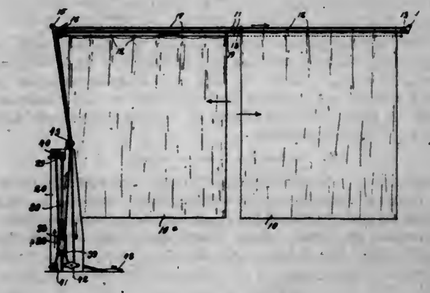
1. In a roving frame having the usual cone pulleys and the rack bar by which the belt is shifted on the pulleys as the thread mass increases on the bobbins, and also having the usual knockoff lever with connections leading to the tension gears, the combination with said rack bar and knockoff lever, of means to lock said knockoff lever from movement, and means associated with the rack bar positively to hold the locking means in operative position during the winding of the roving on the bobbins.

1,480,917. PLANT SUPPORT. WILLIAM H. ROBINSON, Maywood, Ill. Filed June 10, 1921. Serial No. 476,426. 2 Claims. (Cl. 47—12.)



1. A plant support comprising a bed having supporting legs at each corner, a standard mounted at each corner and on the sides and ends of same, each of said standards being provided on one side with rack teeth for its entire length, and a series of frames comprising longitudinal and transverse wires supported in spaced relation above the bed and by the standards.

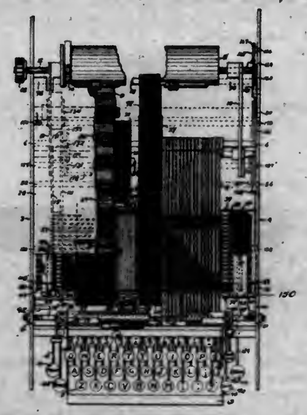
1,480,918. ELECTRIC SCREEN-CURTAIN CONTROL. CHARLES M. SZIRMAY, New York, N. Y., assignor, by direct and mesne assignments, to Electric Screen Curtain Controls, Inc., New York, N. Y., a Corporation of New York. Filed July 12, 1922. Serial No. 574,420. 11 Claims. (Cl. 156—46.)



3. In mechanism of the class set forth, the combination with a curtain adapted to move in opposite directions to closed and open positions respectively, a cable connected to the curtain for moving it, and a power member adapted for repeated rotation in the same direction, of a reciprocating member for actuating the cable in opposite directions in alternation, and connections between the power member and the reciprocating member.

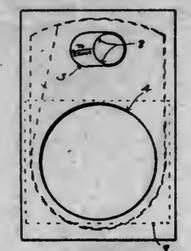
1,480,919. TYPEWRITING MACHINE. CHARLES WELLINGTON WALKER, deceased, late of Stratford, and ARIO C. WALKER, Bridgeport, Conn., by Ario C. Walker, administrator, Bridgeport, Conn. Filed Nov. 11, 1922. Serial No. 600,365. 4 Claims. (Cl. 101—93.)

1. A typewriting machine involving a series of interengaging levers, soft means on which one lever of each series rests when in its normal position, a series of key levers, levers for transferring the effects of the key levers to the first mentioned levers, and yieldable means acting



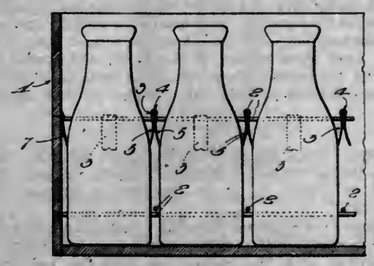
constantly against said second mentioned levers in proximity to the center of motion thereof.

1,480,920. SELF-ERASING MEMORANDUM PAD. ARTHUR W. WEBDEN, Quincy, Mass., assignor of one-half to James D. McCoy, Beachmont, Revere, Mass. Filed Feb. 10, 1923. Serial No. 618,270. 6 Claims. (Cl. 35—10.)



1. A self-erasing memorandum pad, or the like, comprising recording and pigmented surfaces located in approximate parallelism and in close proximity with one another, and means for causing a relative movement between said surfaces in substantially parallel planes, substantially as described.

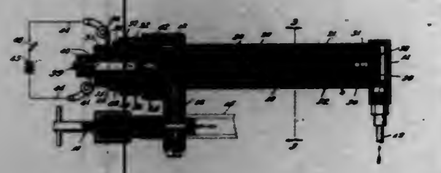
1,480,921. BOTTLE HOLDER. WILLIAM WEINMANN, Preakness, N. J., assignor of one-half to Benjamin Boonstra, Paterson, N. J. Filed Apr. 30, 1923. Serial No. 635,613. 3 Claims. (Cl. 217—19.)



1. The combination with an article carrier having partition members dividing its interior into a plurality

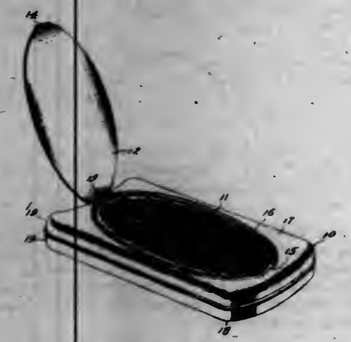
of compartments of arched springs straddling said partition members and each having its two arms disposed in diverging relation whereby insertion of articles into the compartments will place said arms under tension to yieldably hold such articles.

1,480,922. ELECTRIC HEATER. JARL M. WEYDELL, Indianapolis, Ind., assignor of one-half to Edward C. Stout. Filed Apr. 16, 1921. Serial No. 461,836. 15 Claims. (Cl. 219—38.)



1. A heating device for liquids, comprising an outer tube, an inner tube removably mounted within said outer tube by a screw joint so that a thin annular space for liquids is left between the two tubes, and a heating element removably mounted within said inner tube by a screw joint so that it may be removed therefrom without requiring the inner tube to be removed from the outer tube.

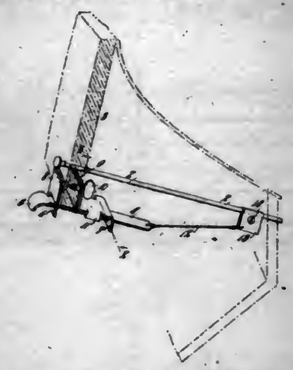
1,480,923. POCKET PACKAGE AND CONTAINER. JOSIAH T. WILCOX, Westfield, N. J., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Mar. 7, 1921. Serial No. 450,236. 6 Claims. (Cl. 206—41.)



1. A pocket size metal container for tobacco, comprised of upper and lower sections each formed from a single sheet of metal and each including a major side of the container, one of the sections having a dispensing opening in said major side, a resilient cover attached thereto at one side of the opening, latch means for holding the cover in closed position, said cover being so formed that it will spring open upon release of the latch, and means permanently connecting the edges of the sections to form a shallow container entirely closed except for said opening.

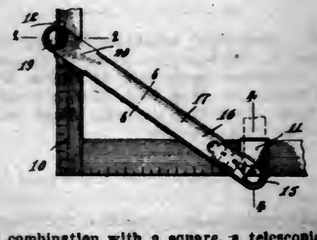
1,480,924. CHOKER ROD RETAINING MEANS. WILLIAM WOOD, Vancouver, British Columbia, Canada. Filed July 16, 1923. Serial No. 651,999. 4 Claims. (Cl. 74—89.)

1. Means for retaining the choker rod of an automobile engine in any desired position, said means comprising the combination with the choker rod and the instrument board through which it is endwise movable, of a guide member removably clamped to the lower edge of the board, a retaining member endwise movable in the guide member and having releasable means for retaining it in



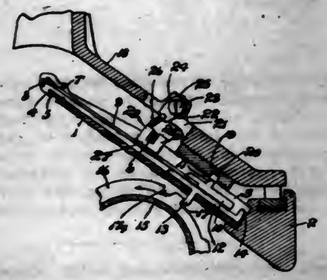
any desired position of endwise adjustment, and means for connecting the slidable retaining member to the choker rod.

1,480,925. ROOF-FRAMING DEVICE. ARTHUR E. WRIGHT, Gardner, Ill. Filed July 3, 1922. Serial No. 572,660. 4 Claims. (Cl. 33—92.)



1. The combination with a square, a telescopic arm, a hinge mounted on each end of said arm, lips made integral with the hinge to adapt the arm to be slidably mounted on said square, and a spring arm mounted on said telescopic arm to engage the hinge and to hold the telescopic arm in any desired position.

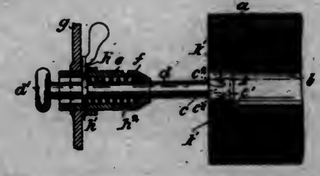
1,480,926. KNITTING-MACHINE CONSTRUCTION. OLLIE J. BERGER, Grand Rapids, Mich., assignor to Universal Knitting Machine Company, Lima, Ohio, a Corporation of Ohio. Filed June 26, 1922. Serial No. 570,863. 10 Claims. (Cl. 66—30.)



1. In a knitting machine, a needle bed including a plurality of vertically disposed parallel and spaced apart guides, needles between the guides, means for elevating the needles at different times in the operation of the machine, a carriage operable lengthwise of and over the needle bed to engage and operate the elevated needles, a device located above each needle between the guides and

elevated with the elevation of the needle, and means normally out of operative relation to said devices and attached to and movable with the carriage movable into alinement and over said devices to depress the same at the completion of a predetermined cycle of operation of the knitting machine.

1,480,927. MOUNTING FOR PAPER ROLLERS OF COPYING MACHINES. RICHARD BERGER, Bonn-on-the-Rhine, Germany, assignor to the Firm F. Soennecken, Bonn-on-the-Rhine, Germany. Filed Feb. 26, 1923. Serial No. 621,489. 3 Claims. (Cl. 242—68.)

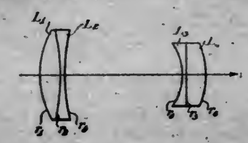


1. In a copying machine, a paper-supporting roller having a hollow end and a plurality of bayonet slots therein, each slot opening into the end of the roller, a plug adapted to fit into the said hollow end, projections on said plug for engaging said slots and an axially spring-controlled and rotatable support for said plug.

1,480,928. ALUMINUM COMPOUND. HOWARD B. BISHOP, Summit, N. J. Filed Mar. 7, 1921. Serial No. 450,409. 16 Claims. (Cl. 134—18.)

8. The process which consists in heating clay which is substantially undecomposable with sulphuric acid, with fluorspar and sulphuric acid, causing the formation of a fluorine acid which decomposes the clay, and the formation of aluminum sulphate and fluoride.

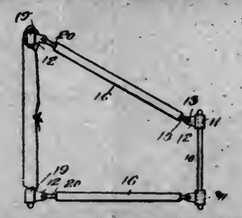
1,480,929. OBJECTIVE FOR PHOTOGRAPHIC AND LIKE PURPOSES. LIONEL B. BOOTH, Cambridge, England. Filed July 22, 1920. Serial No. 398,046. 6 Claims. (Cl. 88—57.)



1. In a telephoto objective corrected for spherical aberration, coma, astigmatism, curvature, and chromatic aberrations, having a large relative aperture and a large useful field, the combination with a front component comprising a biconvex first lens of glass having a refractive index for the D-line of the spectrum of at least 1.54 cemented to a biconcave second lens of glass of refractive index greater by at least 0.03 than that of said first mentioned glass, and a back component comprising a third lens cemented to a fourth lens of which third lens the surface nearest the front component is dispersive and the cemented surface is plane.

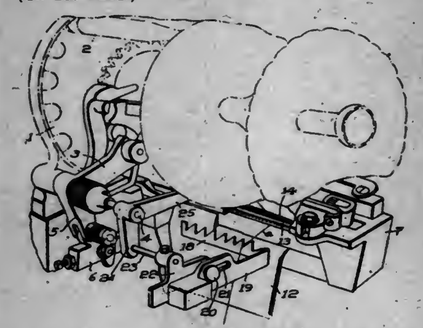
1,480,930. SUPPORT. MINNIE A. BULLARD, Waverley, Mass. Filed Jan. 14, 1922. Serial No. 529,122. 1 Claim. (Cl. 5—327.)

In a foot rest for invalids, a pair of symmetrical rectangular frames comprising four connected side members, collars fitted over said side members near the corners thereof, extensions on said collars to form jaws, a pin extending through said jaws, links fitting in said jaws and engaged by said pin, a tubular link for engaging the free end of each of a pair of links extending from the opposite frames to form spacer members, whereby the relative position of the frame may be adjusted, means for adjusting said spacer members, a cover for



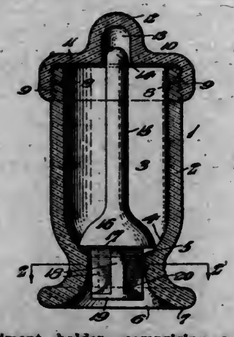
one of said frames, and means for securing the foot rest to the frame of a bed whereby the foot rest may be secured at various positions.

1,480,931. FILLING-REPLENISHING LOOM. THOMAS L. CHAPMAN, Bondsville, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 6, 1923. Serial No. 611,154. 9 Claims. (Cl. 139—261.)



1. In a filling replenishing loom, the combination of the lay, a shuttle box having an opening for the discharge of a filling carrier, a brush mounted on the lay and intersecting the path of the filling carrier as it is discharged from the shuttle to catch the filling and prevent it being drawn into the shed when the shuttle is again picked.

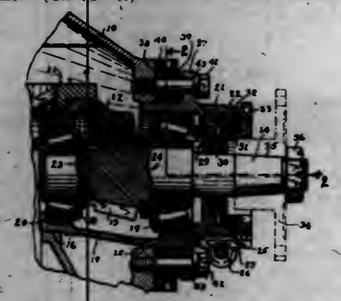
1,480,932. CONDIMENT HOLDER OR SALT SHAKER. ELBERT A. CORBIN, Jr., Swarthmore, Pa. Filed May 10, 1923. Serial No. 637,988. 5 Claims. (Cl. 65—57.)



1. A condiment holder, comprising a body, a top therefor having a central recess therein open at its bottom, a gravity seated valve contained in said body and having a pendant wing extending through the lower opening of said body, to guide the lower portion of said valve, and a valve stem for said valve having its upper

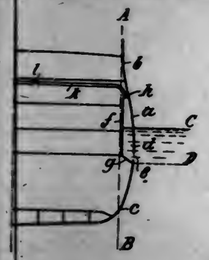
end extending into the recess in said cap, whereby the upper and lower portions of said valve are always centrally positioned and guided with respect to said body.

1,480,933. AXLE. ELI V. ELCONIN, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 2, 1922. Serial No. 579,110. 5 Claims. (Cl. 74—7.)



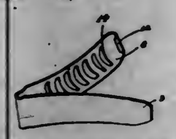
1. In axle construction, the combination of a housing having an opening for a pinion shaft, a cage for carrying said shaft and its bearings and having a shoulder arranged exteriorly of said housing, and a pair of members threaded together and cooperating with said shoulder and said housing for the purpose of adjustably locating said cage axially.

1,480,934. MARINE VESSEL. HERMANN GUSTAV CARL FRAHM, Hamburg, Germany. Filed Jan. 24, 1922. Serial No. 531,514. 3 Claims. (Cl. 114—125.)



1. A marine vessel having its main plating curved outwardly between the deck height and bilge, the centre of curvature being substantially on the normal water line of the vessel, a longitudinal bulkhead fitted internally to said main plating so as to enclose a space between the curved plating and bulkhead and apertures in said curved plating for the free ingress and egress of water to and from said space.

1,480,935. BARRETTE. DORA P. GLEASON, Cincinnati, Ohio. Filed Apr. 3, 1922. Serial No. 548,899. 3 Claims. (Cl. 232—48.)



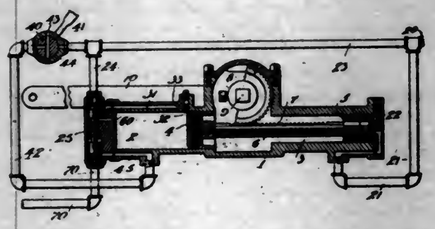
1. As a new article of manufacture, a flexible barrette having a front and a back adapted to be secured upon one another at their ends, the front having transverse slots, thereby being weakened in relation to the back, whereby the back is given the greater rigidity against flexing.

1,480,936. PUMP-VENT CONTROL. IVAN GONDER, Bendon, Mich. Filed Apr. 3, 1922. Serial No. 548,935. 3 Claims. (Cl. 137—34.)



1. In combination a pipe having a vent opening in one side, a clamp surrounding the pipe at said opening, one side of the clamp having a relatively large recess therein at the vent opening and having an outlet opening in its side communicating with the recess, a pet cock attached to the clamp in said outlet opening, said pet cock including a rotatably mounted valve, a tube attached to the valve and extending upwardly therefrom, a rod telescoping into the upper end of the tube and provided with an operating handle at its upper end, and means for connecting the rod to the tube at a number of different places to thereby adjust the combined length of the tube and rod, substantially as described.

1,480,937. PNEUMATIC MOTOR. ALBERT GOTTSCHALK, New York, N. Y., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Aug. 6, 1918. Serial No. 248,652. 7 Claims. (Cl. 121—44.)



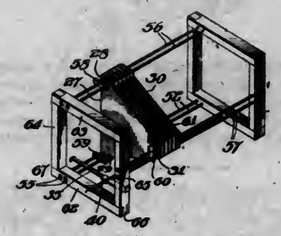
1. A pneumatic motor comprising differential cylinders, a piston for each of said cylinders, a piston rod connecting said pistons, means for normally maintaining a supply of fluid pressure to both of said cylinders, a valve for controlling the supply of fluid pressure to, and the exhaust of the same from the cylinder of larger diameter for initiating the operation of said motor, and fluid pressure actuated means for shifting said valve.

1,480,938. ADDRESS GUIDE FOR LETTERS. RICHARD F. HALLADAY, Newton Highlands, Mass., assignor of one-half to Arthur W. Harrison, Boston, Mass. Filed Mar. 9, 1922. Serial No. 542,314. 2 Claims. (Cl. 282—28.)



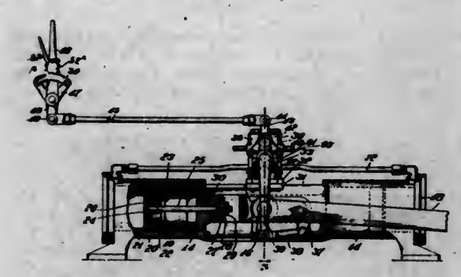
1. A guide sheet for use behind a sheet on which a letter is to be written to be enclosed in a window envelope, said guide sheet having an address-location indicator of contrasting color in a limited position relatively to an upper left-hand corner thereof, whereby the said sheet, when assembled with a letter sheet and with the upper left-hand corners of the two sheets in substantial registration, will indicate the correct location for an address on the letter sheet to enable said address to be read through the window of a window envelope.

1,480,939. RECORD CONTAINER AND EJECTOR. EELE H. HAND, Stapleton, N. Y. Filed Nov. 29, 1921. Serial No. 518,568. 5 Claims. (Cl. 211—16.)



2. In a device of the character stated, a compartment for a record container and ejector having its walls formed by partitions, provided with upper and lower tongues, the rear top and bottom edges of said partitions converging rearwardly and meeting to form a rear tongue, fastening devices for said tongues and an ejector lever positioned in the bottom of said compartment and fulcrumed at a point at the rear of its center of gravity and adapted to support records during their insertion and ejection, said lever being widened at the rear of its fulcrum.

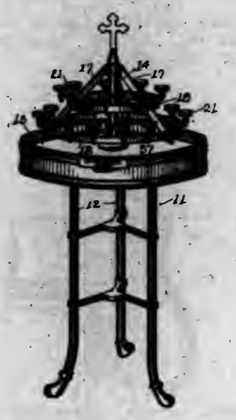
1,480,940. SERVO-MOTOR MECHANISM. LINCOLN A. LANG, Philadelphia, Pa., assignor to The Northern Trust Company, trustee, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1919. Serial No. 282,611. 10 Claims. (Cl. 121—41.)



1. In a servo motor mechanism, a load-member, a source of power for moving said load-member, four links pivotally connected together to form the sides of a parallelogram, one of said links constituting an operating arm; power controlling mechanism operated by said arm, another of said links constituting a rocking arm operated by the load member, and a manually operated member suitably connected to said parallelogram to change the shape thereof and thereby rock said operating arm.

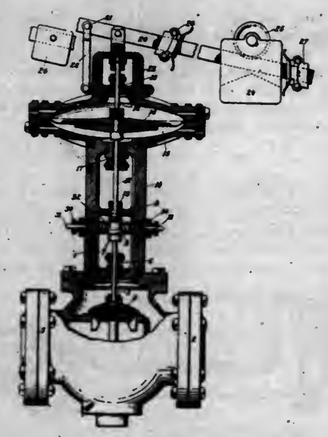
1,480,941. VOTING STAND. LEO R. LE TANG, Cincinnati, Ohio. Filed Aug. 21, 1922. Serial No. 583,449. 5 Claims. (Cl. 67—25.)

1. In a votive stand, the combination with a support, of a bracket comprising a shank, a flange at the upper end of said shank and a flange at the base of said shank, a candle holder secured to said upper flange, said second-named flange received across the bottom of said support,



a washer having sliding connection with said shank, and a screw clampingly connecting said washer and said second-named flange with said support between said washer and said second-named flange.

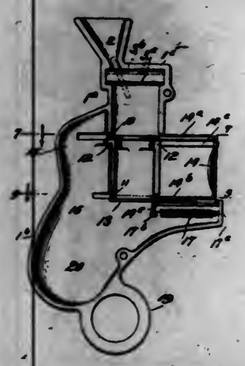
1,480,942. RELIEF VALVE. WILLIAM MCKEE, Pittsburgh, Pa., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1919. Serial No. 343,528. 5 Claims. (Cl. 137—139.)



1. Relief valve mechanism including a casing having an inlet and an outlet, a valve controlling such inlet and outlet, a diaphragm and a chamber therefor, said chamber being connected on the upper side of said diaphragm with the outlet of a main conduit and on the underside of said diaphragm with the inlet of a main conduit, a connection between said diaphragm and said valve for opening said valve when the differential pressure on said diaphragm has reached a maximum and for closing said valve when the differential pressure is at a minimum, and means cooperating with the maximum pressure on said diaphragm to permit a quick opening of the valve and for quickly closing said valve when the differential pressure is at a minimum, such means

in part being adjustable to regulate the maximum and minimum differential pressures at which said valve shall open and close.

1,480,943. FARE REGISTER. SOREN MADSEN, Astoria, N. Y. Filed Feb. 25, 1922. Serial No. 539,144. 7 Claims. (Cl. 235—32.)



1. A fare register embodying, in combination, a casing provided with a cylindrical coin chamber having a transversely disposed shelf on which a coin dropping through said chamber is adapted to rest preparatory to registration, said casing also having a coin delivery opening adjacent to said shelf, means movable transversely of the axis of the chamber across said shelf to move a coin edgewise through said delivery opening and means for registering said coin during such edgewise movement thereof.

7. A fare register embodying, in combination, coin registering means and a fraud preventative device comprising a coin chute, a housing beneath said coin chute and having a communicating slot therebetween, a flat vertically movable plate seated in said housing and having a slot extending parallel to the said chute slot but out of alignment therewith.

1,480,944. BURNER. CHARLES D. MORGAN, Albany, N. Y., assignor to Rathbone, Sard & Co., Albany, N. Y., a Corporation of New York. Filed June 17, 1918. Serial No. 240,294. 2 Claims. (Cl. 158—117.)



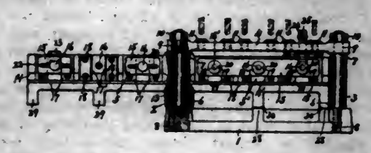
1. A burner for a gas range consisting of an air mixing chamber comprising a tube shaped in elbow form with gas and air connections and controls at point of connection, and an outlet port having bevelled edges and having a lip constructed on the lower edges substantially as described; a burner head comprising a solid flat disc mounted above the outlet port and having its edges bevelled so as to make the lower surface of lesser diameter than the upper surface; a bolt adjustably mounted in base of mixing chamber and supporting the disc, the said disc forming a continuous orifice between the mixing chamber and the burner head for the ignition of the gas and air mixture.

1,480,945. SAFE-DEPOSIT-DOOR CONSTRUCTION. WILLIAM P. MOSELEY, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed July 9, 1923. Serial No. 650,877. 4 Claims. (Cl. 16—128.)



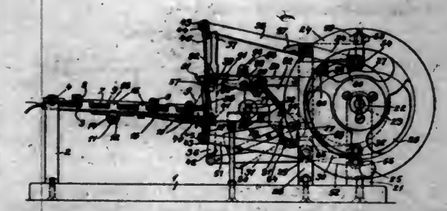
1. The combination with a door, of a hinge therefor, comprising a door-leaf having mortise connection with the door, and a jamb-leaf having hinge connection with the door-leaf and also having mortise connection with the door-leaf when the door is in closed position.

1,480,946. COMBINED JIG AND WORK SUPPORT. LLOYD W. MOULTON, Syracuse, N. Y., assignor of one-half to Oscar C. Kavle, Syracuse, N. Y. Filed Oct. 20, 1920. Serial No. 418,299. 5 Claims. (Cl. 77—62.)



1. The combination of a jig-frame having a jig-plate provided with a plurality of tool guides, and a plurality of work-supports hinged to said frame to swing to and from a position beneath the jig-plate, and each provided with means for holding the parts of the work to be operated upon in position to register with the tool guides when moved to a position beneath the jig-plate.

1,480,947. MACHINE FOR FOLDING PAPER OR OTHER MATERIAL. HEINRICH JULIUS MÜLLER, Schaffhausen, Switzerland. Filed Apr. 7, 1921. Serial No. 459,450. 24 Claims. (Cl. 270—79.)



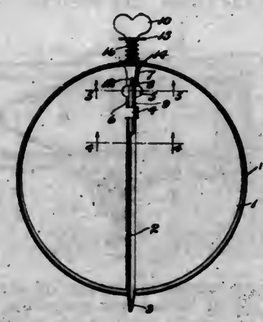
1. In a machine for folding paper or other materials, in combination a hinged guide for the strip to be folded, a pair of reciprocating, spring pressed folding plates one alternately overlapping the other, a follower capable of being pushed backward by the bulk of folded strip and forward by a source of power, a jam arranged on the follower and adapted to grip the front end of the strip, a casing for the folded strip and the follower, a door permitting removal of the folded strip from the casing and means operable by the door to release the strip and the follower of the pressure of the source of power when the door is opened, to allow removal of the strip, and to restore the action of the source of power and to push forward the follower when the door is closed.

1,480,948. ATTACHING MEANS FOR PULLEYS OR THE LIKE. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed Sept. 28, 1922. Serial No. 591,197. 3 Claims. (Cl. 254—195.)



2. In a construction of the class described, a housing formed from a single piece of sheet metal, bent between its ends into a cylindrical loop having an opening in its upper side, the metal from which the loop is formed being continued at the lower side of the loop in two downwardly extending parts located side by side, thence each being bent outwardly for a distance and then downwardly to make two spaced apart parallel sides, a pulley rotatably mounted between said sides, and a T-head element having a head located within the loop and a shank passing through said opening in the loop.

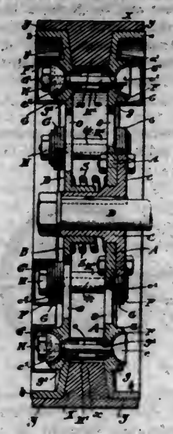
1,480,949. DAMPER. THOMAS OLINGER, Holland, Mich., assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed May 6, 1922. Serial No. 558,870. 3 Claims. (Cl. 126—292.)



1. A damper comprising a flat circular member of sheet metal having a rib pressed therefrom across and on a diameter of the member, said rib being extended beyond the edge of the member at one end to make a short projection, and integrally formed means stamped from the member at the side thereof diametrically opposite said projection for the detachable reception and connection of an operating member to said member.

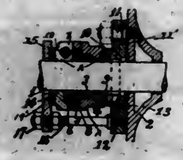
1,480,950. GRIP PULLEY. OSCAR STYLES PENN, London, England, assignor to Roadless Traction, Limited, London, England. Filed Dec. 11, 1922. Serial No. 606,193. 13 Claims. (Cl. 64—40.)

1. A grip pulley adapted to be associated with a belt having a part to be gripped, and comprising a plurality of members having belt gripping parts at least one of which is mounted to revolve at all times with a centrally



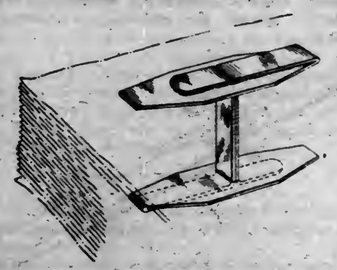
arranged axle, and another member mounted to turn about a fixed axis independently of the axle, and link connections between the two members.

1,480,951. PACKING. WILLIAM EDGAR PLUMMER, WILLIAM MARSDEN KERMODE, and CHARLES ST. CLAIR PLUMMER, Bradford, England. Filed Aug. 28, 1920. Serial No. 406,543. 3 Claims. (Cl. 286—7.)



1. A packing comprising a gland housing, a shaft, means to connect said gland housing to the shaft to rotate with it, a packing within said gland housing, a stationary casing, an element having a spherical surface and also a surface radial to the shaft, a ring having parallel surfaces radial to the shaft, one surface co-operating with the similar radial surface on the said element whilst the other radial surface and the spherical surface on said element co-operate respectively with similar surfaces on said gland housing and stationary casing.

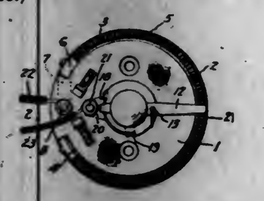
1,480,952. PAPER FASTENER. FRANCIS JOHN POTTER, London, England. Filed Nov. 16, 1920. Serial No. 424,426. 2 Claims. (Cl. 24—153.)



2. In a two-part paper fastener whereof each part comprises a head and a straight, pliable tongue extending therefrom, the head of one part being apertured to

receive the tongue of the other part, a blank forming one part thereof comprising a straight metal strip which is broadened at one end to form a head, the broadened portion being provided with an aperture adapted to permit the passage therethrough, both of the straight portion of said blank and of the similar portion of the other part of the fastener.

1,480,953. RHEOSTAT. GORDON A. REAM, Detroit, Mich. Filed Mar. 5, 1921. Serial No. 449,645. 5 Claims. (Cl. 219—55.)



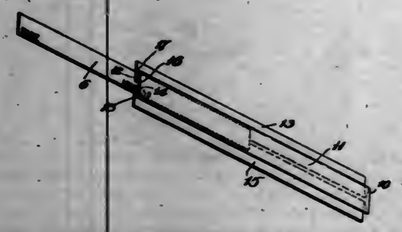
1. In a rheostat, a main resistance element, a secondary resistance element, an insulator block on which the secondary resistance element is carried, a contact member for the main resistance element carried on the said block, a shaft on which the block is mounted, a contact member for the secondary resistance element supported on the said shaft.

1,480,954. COOLING DEVICE FOR OILS. CHARLES E. RICE, Sanford, Fla. Filed Nov. 14, 1922. Serial No. 600,981. 2 Claims. (Cl. 257—192.)



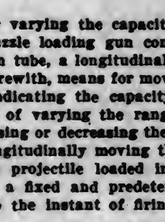
2. In combination, a jacket having a flange at one end, a coil disposed within the jacket, a drum having a flange at one end opposite the flange on the jacket, said drum disposed within the coil and the jacket, means for engaging the flanges so as to hold the jacket and drum together, and form a compartment therebetween, a plurality of tubes extending transversely of the drum and communicating with said compartment and an extension at one end of the drum.

1,480,955. VISIBLE INDEX. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 14, 1923. Serial No. 632,097. 1 Claim. (Cl. 40—64.)



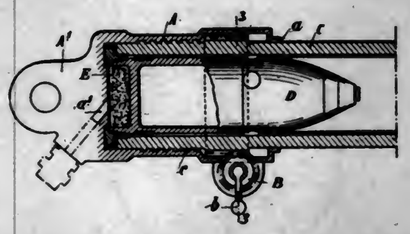
An index support for a visible inedx, comprising a strip of transparent material folded to form a pocket to receive the index and deflected in opposite directions to extend above and below said pocket to thereby form an upper and a lower locking flap.

1,480,956. LATCH FOR GATES. VERN F. ROBINSON, Cope, Colo. Filed May 9, 1922. Serial No. 559,540. 1 Claim. (Cl. 292—87.)



In combination, a door having a notch in one edge, a bracket disposed on the door adjacent the notch and provided with a pair of spaced aligned sleeves, a latch mechanism including a spring bar flat in formation fixed to the door and provided with an extension circular in cross section passing through one of the sleeves, a U-shaped latch formed by the extension and passing through the notch of the door, a second extension formed on the latch and passing through the other sleeve, and operating means formed on the second mentioned extension so as to rotate the latch in the manner and for the purpose specified.

1,480,957. DEVICE FOR PERMITTING VARIATION OF THE CAPACITY OF EXPLOSION CHAMBERS IN GUNS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed June 29, 1923. Serial No. 648,555. 10 Claims. (Cl. 89—1.)

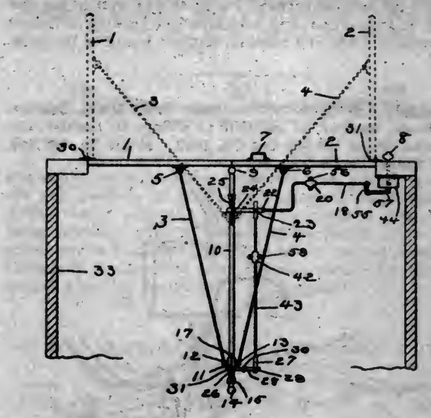


2. A device for varying the capacity of the explosion chamber of a muzzle loading gun comprising, in combination with a gun tube, a longitudinally movable obturator associated therewith, means for moving said obturator, and means for indicating the capacity of said chamber.

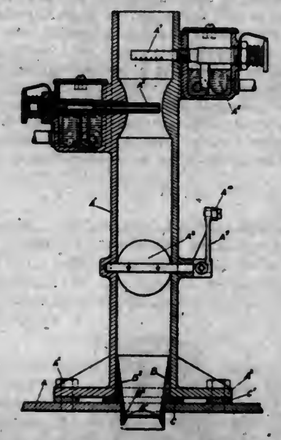
5. The method of varying the range of a gun which consists in increasing or decreasing the explosion chamber of the gun by longitudinally moving the obturator thereof, relative to a projectile loaded into said gun, said projectile having a fixed and predetermined position in said gun prior to the instant of firing.

1,480,958. LOCKING DEVICE FOR GARAGE DOORS. JOHN SCHNEIDER, Cleveland, Ohio, assignor of one-twentieth to Christ Saussier, Cleveland, Ohio. Filed June 20, 1922. Serial No. 569,588. 2 Claims. (Cl. 70—14.)

1. In a device of the class described, the combination of a double door, a rod attached to each door, a center rod upon which said door rods slide, two locking devices mounted upon said center rod, one of said locking devices serving to lock the doors when closed and the other serving to lock the doors when open.



1,480,959. REATOMIZER. JOHN A. SECOR, Laporte, Ind., assignor to Advance-Rumely Company, Laporte, Ind., a Corporation of Indiana. Filed June 30, 1919. Serial No. 307,682. 5 Claims. (Cl. 48—180.)



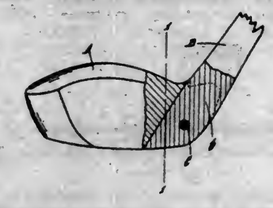
5. An atomizer and mixer comprising a Venturi tube formed within the mixture passage of an internal combustion engine, having an annular channel in the interior wall thereof, said channel being closed at its bottom and being situated at the smallest diameter of the venturi, and opening towards the incoming mixture.

1,480,960. WHEELED RIDING HARROW. GEORGE H. SHANE, Denver, Colo., assignor of one-half to Lot P. Breen, Denver, Colo. Filed Aug. 27, 1921. Serial No. 495,879. 1 Claim. (Cl. 55—89.)



A harrow comprising a plurality of sections, a frame of substantially rectangular shape, an axle extending longitudinally of said frame, wheels on the ends of said axle, a tubular roller on said axle corresponding to each harrow section, a toothed wheel on each of said tubular rollers, a handle pivotally connected to the rollers near said wheel whereby a movement of the handle will rotate the roller, a pawl secured to said frame and adapted to engage the toothed wheel to hold the roller from rotating, means comprising a spring for holding said pawl against said toothed wheel, a handle secured to said pawl and adapted to be engaged by the foot for moving the pawl out of engagement with said wheel, flexible means connected to the harrow sections and wrapped about the rollers whereby when said flexible means are wrapped about the roller, the sections will be raised, a tongue secured to the frame, a draft bar secured to the tongue, and means for connecting the harrow sections to the draft bar.

1,480,961. GOLF CLUB. WILLIAM PERCY SMITH, Southwark, London, England, assignor to W. P. Smith Sports Company Limited, Holborn, London, England. Filed Oct. 12, 1920. Serial No. 416,468. 1 Claim. (Cl. 46—4.)



A golf club consisting in the combination of a wooden head having an open ended slotted recess in the heel thereof extending from top to bottom, a wooden shaft shaped to fit and completely fill said recess which has substantially the same width and depth in a direction measured from the heel towards the toe of the head as the diameter of said shaft and means for securing the head and shaft together.

1,480,962. WINDOW-SHADE ROLLER. ADDISON J. SOUDERS, East Akron, Ohio. Filed Oct. 28, 1922. Serial No. 596,825. 2 Claims. (Cl. 156—36.)

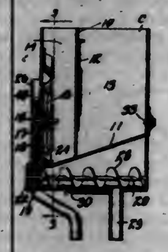


2. The combination with a curtain roll having a central bore, a rod located in the bore and a spring carried by the rod, one end of the spring being anchored to the rod, of a cap having a central opening, a plate spaced from the cap, tongues formed on the cap for connecting the cap and plate, pawls mounted on the tongues between the cap and plate, and oppositely disposed members formed from the metal of the plate for anchoring the other end of the spring, each of said members comprising a tongue reversely bent longitudinally of the axis of the roll to form a hook, and bent circumferentially of the roll to conform to the shape of the springs.

1,480,963. SEED PLANTER. GEORGE F. SPROULL, Montgomery, Ala. Filed Nov. 18, 1920. Serial No. 424,953. 4 Claims. (Cl. 221—122.)

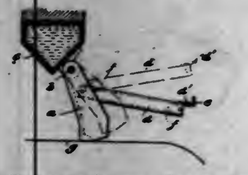
1. A seed dispenser comprising a hopper, parallel vertically spaced shafts in the hopper, a feed wheel on the upper shaft adapted to feed to a discharge opening in the wall, a screw conveyor on the lower shaft adapted to

feed to another discharge opening, gearing connecting said shafts for driving one from the other, and means



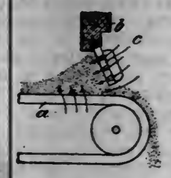
whereby said devices are adapted to feed seeds of different character alternatively to the respective discharge openings, substantially as set forth.

1,480,964. TRAVELING-GRATE FURNACE. LEBRECHT STEINMÜLLER, Gummersbach, Germany. Filed Feb. 11, 1921. Serial No. 444,226. 4 Claims. (Cl. 110—40.)



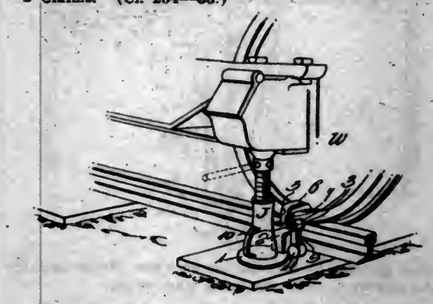
4. In a traveling grate furnace, the combination of the traveling grate, and a fire bridge above the same adjacent its discharge end, the lower edge of the bridge being spaced above the grate to provide ample opening for the passage of clinkers, of means for maintaining a bank of fuel on the grate adjacent said wall, said means including a plurality of aligned and relatively movable suspended gate members, which means, together with the bank of fuel substantially closes the said opening against the ingress of free oxygen into the combustion space, gravity actuated means connected to each gate member and designed and constructed to cause said gate member to resist the passage of ashes with a variable force, and manually operable means for simultaneously moving all of said gate members either to closed or opened position.

1,480,965. TRAVELING-GRATE FURNACE. LEBRECHT STEINMÜLLER and MAX GENSCH, deceased, Gummersbach, Germany, by Else Gensch, born Seeger, executrix, Gummersbach, Rhine, Germany. Filed Feb. 11, 1921. Serial No. 444,227. 3 Claims. (Cl. 110—40.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



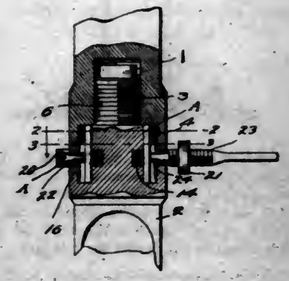
1. In a traveling grate furnace, the combination with the traveling grate, of a wall overhanging the discharge end thereof and having its lower edge so spaced therefrom that ample opening is provided for the egress of ashes and clinkers, a plurality of members supported adjacent said wall each extending into the body of fuel on the grate and each independently yieldingly opposing movement of fuel towards the discharge end thereof, said members being designed and constructed to cooperate in maintaining a bank of fuel on said grate beneath said wall which, together with said members, substantially closes the opening between the grate and wall to the passage of free oxygen and said members yielding to permit passage of ashes and clinkers, without releasing the bank.

1,480,966. WHEEL DOG. BERT STOCKWELL, Tacoma, Wash., assignor of one-half to George H. Garrish, Tacoma, Wash. Filed Oct. 26, 1922. Serial No. 597,156. 2 Claims. (Cl. 254—33.)



1. A device of the class described comprising a base-plate to support a lifting jack, a hollow vertical post integral with and rising from said base-plate, the upper end of said post having a pair of spaced parallel laterally extending ears, a vertical shank slidable in said hollow post and having a laterally extending jaw at its upper end, one side of said shank having upwardly facing ratchet teeth at the side of the post provided with said ears, an upright arm having its upper end received between said ears and provided with a downwardly beveled lateral nose engaging said ratchet teeth, and a pivot pin passing through said ears and arm to pivotally mount the latter, the lower end of said arm being weighted to normally hang vertically against said post, positively preventing swinging of said arm when an upward pull is exerted on said shank.

1,480,967. WELL-DRILL COUPLING. WALTER STOFFEL, Greenleaf, Kans. Filed Feb. 28, 1923. Serial No. 621,888. 4 Claims. (Cl. 287—125.)



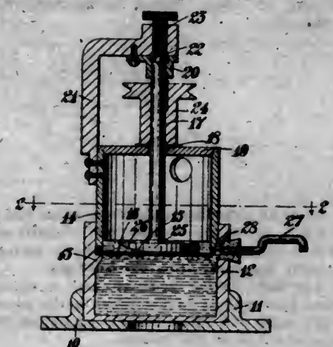
1. In combination, a pair of members associated in rotatable relation with each other, one of said members provided with a ratchet structure, a pawl associated with the other member for engagement with the ratchet structure, said latter mentioned member provided with a pair of recesses, said pawl provided with a stem disposed in one recess and a pintle disposed in the other recess, a spring disposed in the recess containing the stem and normally urging the pawl in engagement with the ratchet structure, and means for engaging the stem for moving it and actuating the pawl from engagement with the ratchet structure so that the members may be rotated.

1,480,968. ELECTRICAL CONTACT DEVICE. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 608,820. 11 Claims. (Cl. 246—254.)



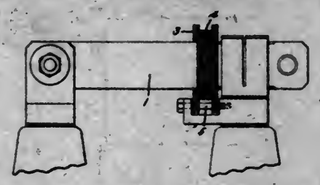
3. A contact device comprising a pair of adjacently disposed contact members insulated and spaced apart, the end portions of the contact members being spaced farther apart than the intermediate portions and each being provided with a vertical flange which as it approaches the intermediate portion of the contact member changes from a vertical to an obliquely disposed flange to receive a moving contactor.

1,480,969. DISINTEGRATING SOLID SUBSTANCES. DAVID THOMSON, London, England, assignor to Nutriment Limited, London, England, a British Company. Filed July 27, 1923. Serial No. 654,236. 4 Claims. (Cl. 146—175.)



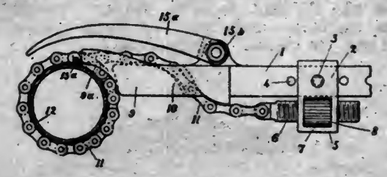
1. The method of disintegrating solid substances consisting in grinding the substance against a plate that is perforated with small holes and is immersed in a fluid, and withdrawing the disintegrated substance in suspension in the fluid after it has passed through the perforations in the plate.

1,480,970. ELECTRIC SWITCH. HENRY TRENCHAM, Ruislip, and EDMUND BASIL WEDMORE, London, England, assignors to General Electric Company, a Corporation of New York. Filed Oct. 4, 1921. Serial No. 505,306. 3 Claims. (Cl. 200—169.)



1. The combination in an electric switch of a switch blade, and a shoe of magnetic material at least partially surrounding the switch blade through which a magnetic flux is set up varying in value with the value of the current through the switch blade, the interaction of the current through the said blade and the flux set up in said shoe providing a magnetic force varying with the value of current through the said blade for holding the switch blade in closed circuit position.

1,480,971. WRENCH. ARCHIBALD L. WALLACE, New York, N. Y. Filed July 21, 1921. Serial No. 486,487. 7 Claims. (Cl. 81—66.)



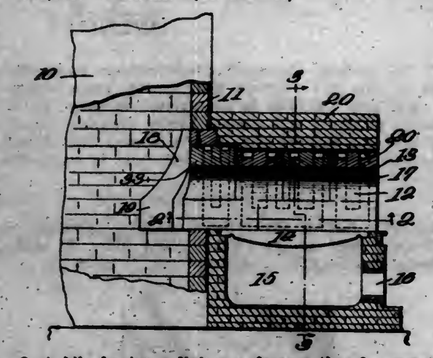
1. A wrench comprising a flexible member capable of embracing a work object, a lever, longitudinally adjustable means upon said lever to engage said flexible member at one end thereof, and fixed means upon said lever to engage the other end of said flexible member, with said member extended in a straight line from said fixed means for a portion of its length, whereby the opposed pull and thrust forces are exerted tangentially in the same plane with respect to the peripheral surface of said work object.

1,480,972. WRENCH. ARCHIBALD L. WALLACE, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,381. 7 Claims. (Cl. 81—66.)



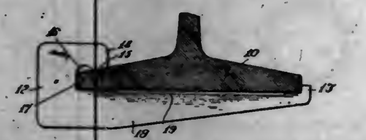
3. The combination, in a wrench having a hollow handle, of a block, having guide means, fixed within said handle, a bar slidable through the guide means, a flexible member engaged with said bar and extended beyond the handle, and a spring operable between the block and bar to extensibly retain the flexible member partly within the handle.

1,480,973. KILN-HEATING DEVICE. WILBURT WARD, Trident, Mont. Filed June 29, 1923. Serial No. 648,448. 3 Claims. (Cl. 222—3.)



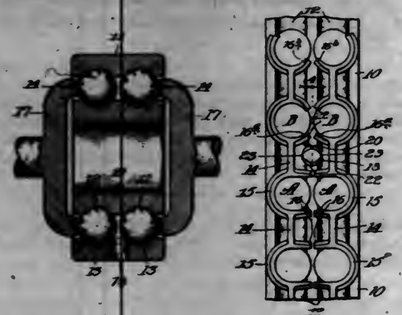
3. A kiln having a lining, a furnace therefor comprising a chamber, an arch for said chamber, air channels in said arch extending transversely thereof, certain of said channels communicating adjacent to the spring of the arch to provide a tortuous passage through said channels, means for admitting air to said channels at one end of the arch, means for admitting steam to said channels at an intermediate portion of the arch to provide a forced feed of a mixture of steam and air, means for conducting the air from the channels adjacent the remaining end of the arch to the burning fuel in the furnace and a supplemental arch above said first named arch acting as a support for the lining of the kiln when the first named arch is removed for repairs.

1,480,974. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 17, 1922, Serial No. 561,603. Divided and this application filed Mar. 14, 1923. Serial No. 624,930. 16 Claims. (Cl. 238—330.)



1. A rail anchor comprising a sheet metal member provided at one end with a jaw portion for engaging one edge of a rail base, and at the other end with means for engaging the other edge of said rail base; a portion of the member intermediate said jaw and said means being resilient and adapted to be flexed downwardly during the application of the anchor to a rail.

1,480,975. METHOD OF ASSEMBLING BALL BEARINGS. HARRY WICKLAND, Philadelphia, Pa., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 10, 1923. Serial No. 631,144. 6 Claims. (Cl. 29—84.)



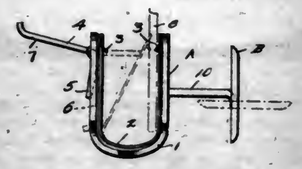
1. The method of assembling ball retainers on parallel sets of balls in a two row ball bearing, which consists in assembling the balls in the parallel raceways of the bearing, placing a ball retainer having inwardly projecting ears over each set of balls, and bending ears of both retainers simultaneously around the balls to retain the retainer thereon.

1,480,976. PATCH FOR INNER TUBES. CHARLES C. WIGHT, San Antonio, Tex. Filed Mar. 30, 1922. Serial No. 548,099. 2 Claims. (Cl. 152—26.)



2. A cementless patch for inner tubes comprising an outer layer of cured rubber, an adjacent layer of raw gum or rubber, a layer of adhesive or cushioning rubber adjacent said layer of raw or gum rubber, and a protecting layer of glazed canvas, the layers of cured rubber and raw gum or rubber being vulcanized together.

1,480,977. COLLAR FASTENER. CHARLES D. WILKINS, Wheeling, W. Va. Filed Apr. 19, 1923. Serial No. 633,217. 2 Claims. (Cl. 24—80.)



1. A fastener of the class described including a clamp member comprising an outer U-shaped rigid frame, an inner U-shaped resilient frame disposed in the outer frame, and means on the outer frame for engaging the inner frame so as to force one of its legs toward the other, a bar projecting rigidly from one leg of the outer frame, and a button hinged to the terminal of said bar.

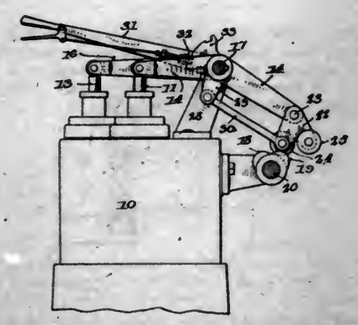
1,480,978. MOCCASIN. DONALD B. ABBOTT, Auburn, Me. Filed Aug. 18, 1922. Serial No. 582,576. 8 Claims. (Cl. 36—11.)



1. A moccasin including a tongue, a vamp and quarters and in which the tongue member has laterally extending parts which extend downwardly under the instep section and separate the vamp from the quarters.

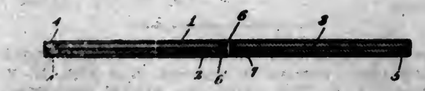
8. A moccasin having quarters and a vamp and a continuous bandage-like part stitched to the quarters and also to the vamp and which entirely surrounds the instep section of the foot of the wearer.

1,480,979. REVERSING GEAR FOR INTERNAL-COMBUSTION ENGINES. OTTO A. BANNER, Milwaukee, Wis. Filed June 26, 1920. Serial No. 391,971. 9 Claims. (Cl. 123—41.)



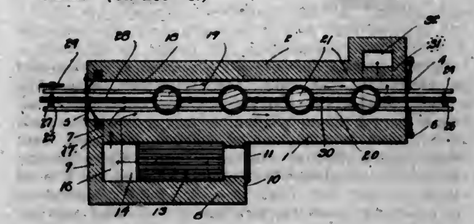
1. In an internal combustion engine a reversing gear having a rotatable shaft, a valve actuating rocker element mounted thereon for rocking movement about a fixed axis, forward and reverse cams for selectively actuating said element, and means responsive to a rotation of said shaft for placing said rocker element under the influence of either of said cams.

1,480,980. DISK SOUND RECORD. LESTER P. BARLOW, New Haven, Conn., assignor to Samuel Owen Edmonds, New York, N. Y. Filed Aug. 19, 1918. Serial No. 250,452. 4 Claims. (Cl. 274—41.)



1. As a new article of manufacture, a sound record comprising two separate complete relatively thin disks connected back to back.

1,480,981. BARREL HEATER. WILLIAM H. BARTON, Springfield, Mo., assignor to Ash Grove Lime & Portland Cement Co., Kansas City, Mo., a Corporation of Maine. Filed Mar. 6, 1922. Serial No. 541,460. 1 Claim. (Cl. 263—8.)



In a barrel heater, an elongated heating chamber having openings in its opposite ends and having ports in its opposite sides adjacent opposite ends of the chamber and below the level of the end openings, a combustion chamber in communication with one of said ports, a flue in communication with the other of said ports, automatically closing, swinging doors for the end openings, spaced rails extending through said chamber above the level of said ports, means at the ends of the chamber for supporting a conveyor belt, and a conveyor belt supported by said means and extending through the chamber between said rails.

1,480,982. GARDEN-HOSE SUPPORT. CLARENCE M. BEARD, Berkeley, Calif. Filed July 15, 1922. Serial No. 575,258. 1 Claim. (Cl. 248—29.)



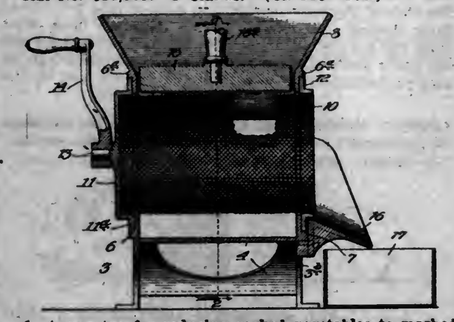
A stake, a flat flexible member pivoted at the upper end of the stake at one end, the other end of said member being readily adjustable relative to said stake in order to support hose of different diameters between said member and the stake, said member being formed with a plurality of notches for receiving the stake therein, the hose when supoprted thusly being pressed against the stake on one side.

1,480,983. AUXILIARY COIN SUPPORT FOR COIN TUBES. ALBERT BECK, Chicago, Ill., assignor to McGill Metal Products Company, a Corporation of Illinois. Filed Oct. 13, 1921. Serial No. 507,580. 6 Claims. (Cl. 133—1.)



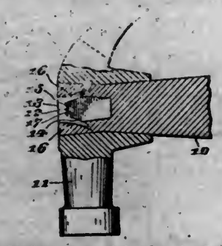
3. A longitudinally slotted coin tube, and coin supporting members distributed in said tube, said member having resilient arms adapted to spring against the inner peripheral surface of said tube to support stacks of coins in said tube independently of one another.

1,480,984. APPARATUS FOR AND METHOD OF REDUCING BOILED VEGETABLES TO MASHED FORM. ROBERT BELL, Chicago, Ill. Filed Jan. 24, 1923. Serial No. 614,585. 3 Claims. (Cl. 146—174.)



1. Apparatus for reducing cooked vegetables to mashed form, comprising a movably supported hollow cylinder having an unobstructed discharge end and formed from rounded wire-cloth having a substantially uniform vegetable mashing surface and presenting no sharp surfaces and of such fineness as to prevent the passing therethrough of particles of the peeling, eyes, or other unedible substances of the vegetables under treatment, the interior of said cylinder forming a receptacle for the edible portions of the vegetables, and means for feeding under pressure the boiled vegetables against the surface of said cylinder to reduce them to the smooth consistency of ordinary mashed potatoes and to pass the resultant product into the cylinder to accumulate therein in said form.

1,480,985. SPREADER STRUCTURE. JOSEPH R. BITTNER, Philadelphia, Pa., assignor to Griffith Tool Works, a Firm, Philadelphia, Pa., composed of Paul A. Griffith, William K. Wilson, Edward J. Griffith, and Charles F. Griffith. Filed Nov. 21, 1922. Serial No. 602,337. 3 Claims. (Cl. 306—33.)



1. A locking device comprising a wedge member, a separate locking element overlying the head of said wedge member and provided with flared portions dis-

posed over the edges of such wedge member, and with an engaging surface that abuts against the head of the member, whereby the wedge member may be driven through the instrumentality of blows upon said locking element.

1,480,986. CONCRETE BUILDING BLOCK. DORRELL D. BRIGGS, Los Angeles, Calif. Filed Jan. 22, 1923. Serial No. 614,083. 2 Claims. (Cl. 72—41.)



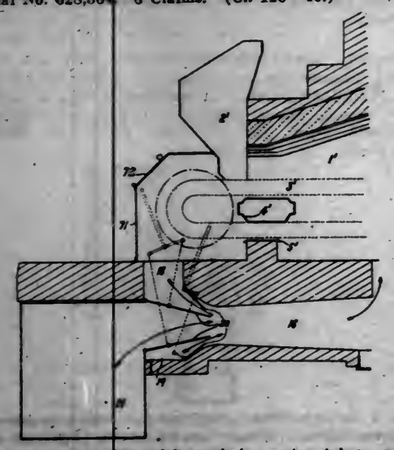
1. A building block including a rectangular molded hollow body portion, projectings extending from opposite side walls thereof, having the ends offset inwardly from the ends of the body portion, the ends of said projections being formed with recesses having the inner faces offset from but parallel with the sides of the body portion and the outer walls inclined outwardly to the outer ends of said projections.

1,480,987. TOOL HOLDER. GEORGE Q. BRITT, Memphis, Tenn. Filed Mar. 17, 1923. Serial No. 625,765. 2 Claims. (Cl. 29—96.)



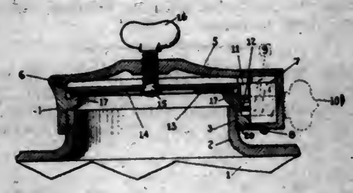
1. A tool-holder comprising a shank having a bifurcated extremity forming a head for reception of a bit, a bearing surface for the support of said bit, a removable jaw positioned within the head adapted to engage said bit, a shoulder projecting from said shank affording a fulcrum for said jaw, and a rotatable bolt extending through said head provided with a cam adapted to bear against said jaw to force the latter against said bit.

1,480,988. MECHANICAL STOKER FOR FORCED-DRAFT FURNACES. JOHANNES BRONOLD, Stelermuhle, Germany, assignor to The Babcock & Wilcox Company, New York, N. Y. Filed Mar. 28, 1923. Serial No. 628,364. 6 Claims. (Cl. 110—40.)



1. In combination with a chain grate stoker, means for supplying forced draft to the rear part of the grate, sealing means between said rear part and the front part of the grate, an enclosure for said front part, said enclosure, together with the sealing means, defining in part a chamber enclosing the end of the grate, and means for maintaining said chamber under diminishing pressure.

1,480,989. LOCK FOR GASOLINE TANKS FOR AUTOMOBILES. HOWARD H. BROOKER, New York, N. Y. Filed Feb. 9, 1923. Serial No. 617,936. 3 Claims. (Cl. 70—90.)



1. The combination with a gas tank of a cap suitably secured to said tank, said cap having a cover comprising a lower portion and a cover therefor, said cover being hinged to the lower portion, a lock mounted in said cover, a lock bolt operated by a key in said lock, there being a slot formed in said lower portion which permits the cover to be raised when the key is turned and a cross tongue on said bolt which prevents the withdrawal of the key except when the lock bolt is in locking position.

1,480,990. ADJUSTING MECHANISM. THEODORE M. BRUSCK, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 7, 1922. Serial No. 541,886. 5 Claims. (Cl. 88—39.)



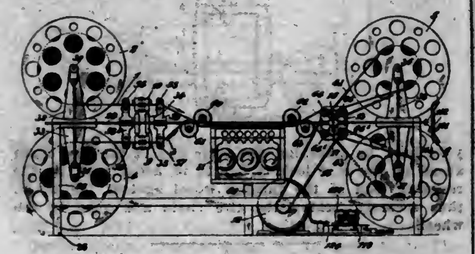
2. The combination with two members, one of which has the other operating therein and is provided with a longitudinally extending slot, of spaced projections on the inner member extending through said slot, and a disk-like gear mounted on the outer member to turn about an axis intersecting said outer member and having teeth cooperating with the projections to move the inner member longitudinally of the outer member.

1,480,991. PLUG FOR GLASS MACHINES. CHARLES W. CASTO, Washington, Pa. Filed Nov. 7, 1922. Serial No. 599,507. 1 Claim. (Cl. 49—14.)



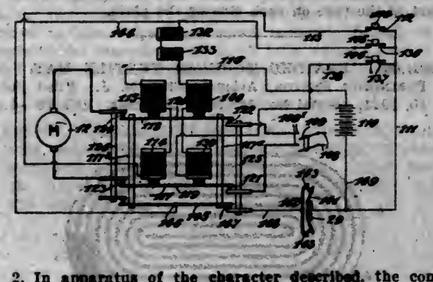
A plug for glass-machines, consisting of a metallic reinforcement provided with a series of perforations or openings, said reinforcement being filled with fire-clay which projects through the perforations or openings and adheres with the outside coating or covering, forming a smooth round plug proper, all substantially as shown and described.

1,480,992. TALKING-PICTURE TRANSFER MECHANISM. HARRY E. CHIPMAN, New Haven, Conn., assignor, by direct and mesne assignments, to William A. Chipman and Howard H. Chipman, both of New York, N. Y. Filed Jan. 26, 1921. Serial No. 439,913. 4 Claims. (Cl. 88—16.2.)



1. In an apparatus for reproducing film carrying synchronized and registering sound and light records, the combination of means for continuously progressing a film having negative pictures thereon and also a magnetic sound record thereon, means for progressing at the same rate a positive film having a strip of magnetizable material thereon, means for printing positive pictures from said negative pictures on said positive film, and means for reproducing said magnetic sound record on said strip of magnetizable material, during the progress of said films.

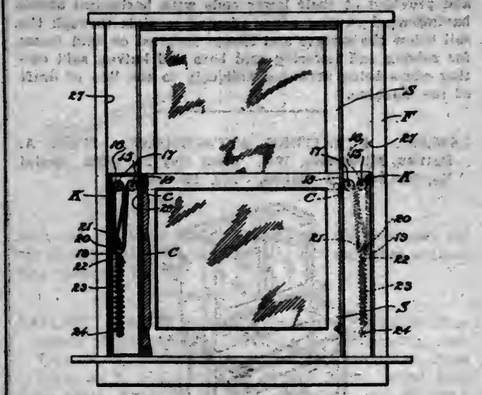
1,480,993. ELECTRIC-MOTOR-CIRCUIT CONTROL. HARRY E. CHIPMAN, New Haven, Conn., assignor to William A. Chipman and Howard H. Chipman, both of New York, N. Y. Original application filed Jan. 26, 1921, Serial No. 439,913. Divided and this application filed Mar. 1, 1922. Serial No. 540,124. 4 Claims. (Cl. 172—179.)



2. In apparatus of the character described, the combination of a motor, an electro-magnet having a pivoted armature, a source of power, a switch-controlled circuit for energizing said electro-magnet, means, including a spring-pressed pin, for latching said armature in its attracted position, a second electro-magnet having an armature secured to said pin, a power circuit for said motor including said first armature and a normally open contact which is closed when said armature is swung into its attracted position, and a switch-controlled circuit for energizing said second electro-magnet to retract said pin from latched position.

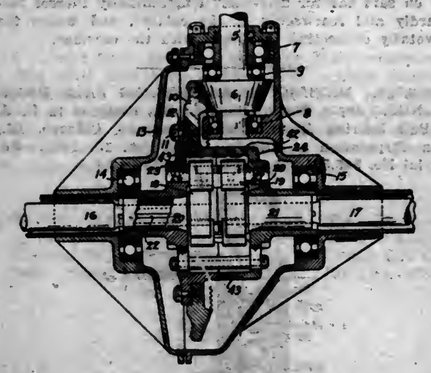
1,480,994. WINDOW-SASH BALANCE. IRA A. CHURCH, Long Beach, Calif., assignor to L. H. Smith and Daniel Smith, both of Fullerton, Calif. Filed Jan. 21, 1922. Serial No. 530,886. 3 Claims. (Cl. 16—198.)

1. A sash balance, comprising a casing, pulleys mounted in the casing, a yoke within the casing, pulleys on the yoke, a flexible member trained about the first and second pulleys with the ends thereof adapted for connection with the sashes of a window, and a resilient member associated with the yoke for urging the pulleys



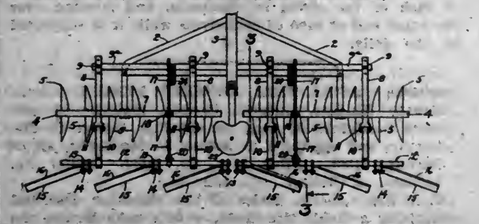
carried thereby to a position in which the flexible member is maintained under tension irrespective of the position of said pulleys.

1,480,995. DIFFERENTIAL MECHANISM. HARRY WESTCOTT CONNELL, Lowville, N. Y. Filed Aug. 26, 1921. Serial No. 495,459. 16 Claims. (Cl. 74—7.)



1. A driving gear and means for rotating it and a driven gear, a plurality of pinions operated by said driving gear and in mesh with said driven gear though rotatable thereon and means within said pinion for preventing the rotation of said pinions.

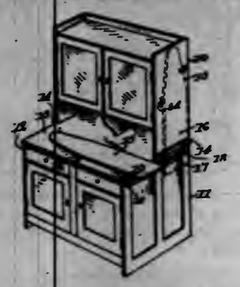
1,480,996. WEED-CUTTING MACHINE. JOHN COPPINGER, Broadview, Mont. Filed Apr. 3, 1922. Serial No. 549,073. 2 Claims. (Cl. 97—144.1.)



1. The combination, with a frame and ground working implements mounted therein, of horizontal draft links pivotally connected at their forward ends with

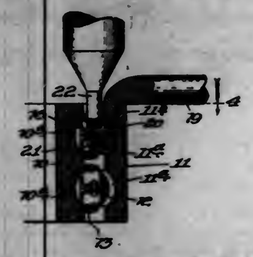
said frame, transverse bars connected with the rear ends of said links, upright shanks mounted in said bars and provided at their lower ends with horizontal blades having weed cutting edges adapted to slide through the soil below the surface and means mounted on said frame for raising and lowering said bars and knives, said cutting edges being arranged obliquely to the line of draft of the machine.

1,480,997. FURNITURE ATTACHMENT. JAMES A. DAILEY, Milwaukee, Wis. Filed May 24, 1922. Serial No. 563,363. 6 Claims. (Cl. 68—10.)



1. An attachment for kitchen cabinets, including an ironing board, a bar for mounting in fixed horizontal position adjacent the end of the cabinet, a carriage mounted on said bar for movement longitudinally thereof forwardly and rearwardly of the cabinet, and means for pivotally connecting the board with the carriage.

1,480,998. METHOD OF ASSEMBLING BALL BEARINGS. JOHN DARSE, Berwyn, Ill., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 10, 1922. Serial No. 535,581. 1 Claim. (Cl. 78—46.)



The method of assembling riveted retainers on the balls of two-row radial ball bearings having filling notches in the race members, said method consisting of placing the two halves of said retainer on the balls in one of the races with rivets extending outwardly through openings in the outer half of the retainer, inserting a dolly through the filling notch and up under the lower end of each of the rivets in succession and riveting over the upper end of each of said rivets while it is supported by the dolly.

1,480,999. AUTO TIRE NONSKID DEVICE. JOHN EARLE, Windsor, Ontario, Canada, assignor of one-third to Robert Y. Ogg, one-third to Robert O. McCarthy, and one-third to Arthur C. McCarthy, all of Detroit, Mich. Filed Mar. 22, 1922. Serial No. 545,893. 2 Claims. (Cl. 152—14.)

2. A tire non-skid device of the character described comprising a single tire chain, a felly yoke having one end of the chain permanently attached thereto, and provided with a closed ring at one end of the yoke and a hook at the other end thereof, a locking bar hinged to the closed end of the yoke, means for attaching the loose end of the locking bar to the hook end of the yoke, a covering for both yoke and locking bar to prevent marring the felly, means for locking said bar in the



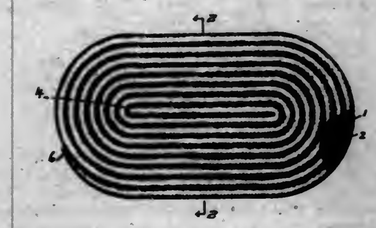
yoke hook by attaching the loose end of the tire chain ahead of the said locking bar to be acted upon by the resisting load of the turning wheel against the chain, thus securely locking the tire chain and yoke to the wheel.

1,481,000. METHOD OF MAKING BALL RETAINERS AND THE LIKE. PETRUS ERICKSON, Chicago, Ill., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1922. Serial No. 606,851. 7 Claims. (Cl. 29—148.4.)



1. The method of making ball retainers consisting of punching a series of holes in a metal plate, enlarging said holes to substantially the diameter of the balls, drawing the metal about said holes into tubular form, and forcing said tube through the plate so as to leave part of the tube on each side of the plate.

1,481,001. BRAIDED TUBULAR TEXTILE MAT. J. PURINGTON FENTON, Atlantic City, N. J. Filed Feb. 10, 1921. Serial No. 443,760. 2 Claims. (Cl. 28—1.)

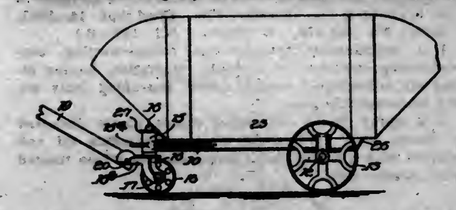


1. As a new article of manufacture, a table mat composed wholly of a strand of tubular textile braid having therein a non-integral core or filling consisting of longitudinally-disposed asbestos thread; and a series of transversely disposed connecting stitches, each of which engages the two opposite and vertically abutting edges of adjacent tubular members of the strand, in succession, in the series, and without substantial engagement with the core or filling therein.

1,481,002. TRUCK. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Co., a Corporation of Illinois. Filed Oct. 31, 1919. Serial No. 334,766. 3 Claims. (Cl. 280—49.)

1. In a truck, a frame, two rear ground engaging wheels carried by said frame, a front wheel carried by

a member having a vertical journal in said frame and a removable box hingedly and detachably secured by lugs

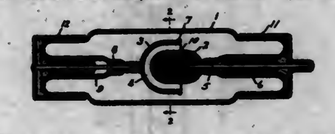


at the rear end of the frame and having a member engaging said first mentioned member at the front end of the frame.

1,481,003. HYPOCHLORITE COMPOSITION. RALPH E. GRUENHEIMER, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed July 12, 1922, Serial No. 574,554. Renewed Aug. 8, 1923. 4 Claims. (Cl. 23—11.)

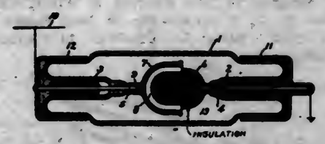
1. A composition comprising stable calcium hypochlorite and sodium carbonate admixed in reacting proportions.

1,481,004. PROTECTIVE DEVICE. VICTOR E. GOODWIN, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 18, 1918. Serial No. 240,647. 6 Claims. (Cl. 175—30.)



1. The combination of a transparent evacuated container and cooperating electrodes within said container spaced to form a spark gap which is visible through the walls of the container and which is so formed that the said walls are protected from a discharge across the gap.

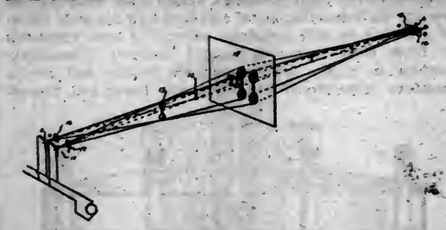
1,481,005. PROTECTIVE DEVICE. GEORGE B. PHILLIPS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 18, 1918. Serial No. 240,664. 9 Claims. (Cl. 175—30.)



1. In combination with a line to be protected, a protective device connected in circuit between said line and ground comprising an evacuated vessel, a cup-shaped electrode connected to the positive side of said circuit, and a cooperating electrode extending within the enclosure of said cup-shaped electrode and adapted to be connected to the negative side of said circuit, said electrodes being separated to form a spark gap.

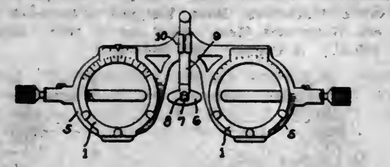
1,481,006. PROCESS OF AND APPARATUS FOR STEREOSCOPIC SHADOWGRAPHS. LAURENS HAMMOND, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,354. 16 Claims. (Cl. 46—70.)

1. The process of exhibiting to an observer a stereoscopic shadowgraph of an actual object which consists in throwing on a screen by means of light emanating from two sources two different shadows of the same ob-



ject, and providing means whereby the observer may see one shadow only with the right eye and the other shadow only with the left eye.

1,481,007. TRIAL FRAME. HARRY G. HESOLD, Harbrouck Heights, N. J., and EMIL B. MEYROWITZ, New York, N. Y., assignors to E. B. Meyrowitz, Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1921. Serial No. 484,918. 2 Claims. (Cl. 88—20.)



1. A trial frame for fitting eye glass lenses comprising a face plate having an aperture and parallel guiding slots arranged respectively above and below said aperture and a lens holder having a member disposed forwardly of the face plate, a member disposed rearwardly thereof, and holder supporting means passing through the slots and connecting said members.

1,481,008. NASAL SUCTION APPARATUS. CHARLES E. HODLICK, Chicago, Ill., assignor to Sharp & Smith, Chicago, Ill., a Corporation of Illinois. Filed May 17, 1922. Serial No. 561,657. 8 Claims. (Cl. 128—276.)



8. In a device of the character described, a tip having a mouth to be applied to the nostril, a tube arranged within the tip with its end projecting beyond the mouth thereof, a port through the tube, and means for producing a suction in the tube.

1,481,009. ELASTIC SUPPORT FOR TROUSERS. FRANK HOHMANN, Chicago, Ill. Filed Dec. 13, 1922. Serial No. 606,726. 2 Claims. (Cl. 241—9.)

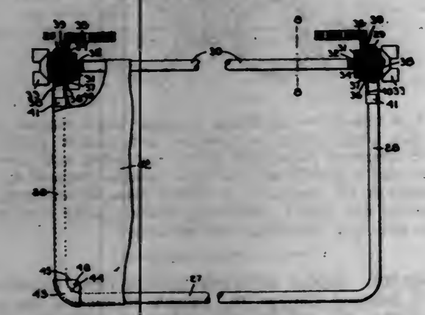
1. In an elastic support for trousers, a plurality of metal standards, bars offset from said standards at

the upper ends thereof, coverings of textile material on said standards, said coverings respectively extended below the corresponding metal standard and the ends thereof attached to said coverings midway of said standards to form loops, triangular metal members respectively adapted to engage with a trousers button, and elastic members respectively secured at the lower end thereof



to a corresponding covering and at the upper end extending over said bar corresponding therewith and attached to a corresponding one of said triangular members, in combination with a belt arranged to extend through said loops, to movably mount said elastic supports thereon.

1,481,010. WINDSHIELD VISOR. CHARLES F. HOPEWELL, Watertown, Mass., assignor to Hopewell Brothers, Watertown, Mass. Filed Apr. 7, 1921. Serial No. 459,213. 4 Claims. (Cl. 296—95.)



1. A device of the class described comprising a frame having a front bar and side bars, the free ends of the side bars being bent to present eyes, the ends of the eye portions of said side bars being spaced apart from the adjacent portions of said side bars to provide slots, supporting brackets having apertures, a supporting bar having screw threaded outer ends passing through the apertures in said brackets and said eyes, abutments on said supporting bar to engage one side of the bracket, means rigid with said supporting bar located in said slots and nuts upon the screw threaded ends of said supporting rods operable to clamp the side bars against the brackets.

1,481,011. FLOATING PISTON. BRYAN P. JOYCE, Davenport, Iowa. Filed May 7, 1923. Serial No. 637,242. 3 Claims. (Cl. 74—109.)



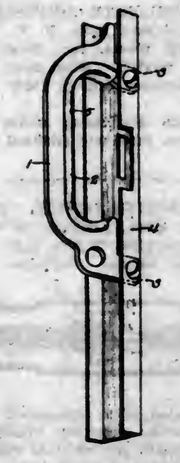
3. A floating piston, embodying a stem, packing associated with said stem, a grease chamber formed about said stem and between the packing and a resilient element connected to the stem outside of said grease chamber and means for tensioning the resilient element to control the pressure within the grease chamber.

1,481,012. MATERIAL FOR SPRAYING VEGETATION. HENRY E. KALUSOWSKI, Washington, D. C., assignor to J. Schnarr & Co., Orlando, Fla. Filed Apr. 14, 1921. Serial No. 461,378. 4 Claims. (Cl. 167—6.)

1. A permanently homogeneous, foliage-wetting, copper-bearing emulsion for spraying vegetation, having intimately commingled copper oleate, saponified fatty oil, and water-soluble gum.

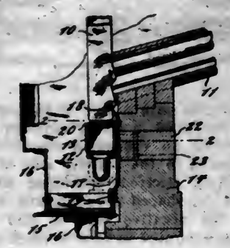
3. A spray liquid containing copper oleate dissolved in cresol, oleic acid, resin oil, and paraffine oil and mingled with a mucilaginous liquid and the whole treated with caustic soda.

1,481,013. HANDLE. EVERETT DEB KASER, Aurora, Ill., assignor to Durabilt Steel Locker Co., Aurora, Ill., a Corporation of Illinois. Filed Sept. 14, 1922. Serial No. 588,180. 3 Claims. (Cl. 16—125.)



1. A handle comprising a substantially flat plate having one edge cut to C-shape, and a sheet metal strip having its medial longitudinal portion extending along said one edge and having its longitudinal margins curled inwardly upon themselves and bearing against the opposite faces of said plate.

1,481,014. STEAM BOILER. HOWARD J. KERR, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 579,981. 11 Claims. (Cl. 122—235.)



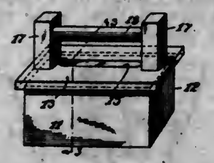
1. In a steam boiler, a water chamber, a wall extending upwardly between the water chamber and the boiler furnace, a plate connected to the wall and having a sliding contact with the water chamber, and a connection between the plate and the water chamber arranged to prevent relative horizontal motion and to permit relative vertical motion between the plate and the water chamber.

1,481,015. TREE HOLDER. JOHN W. KLEIN, Wilkinsburg, Pa. Filed June 3, 1921. Serial No. 474,622. 2 Claims. (Cl. 248—38.)



1. A tree holder comprising a base member, a plurality of equally spaced supports pivoted to the base member for engaging the tree at a relatively great distance from its butt and a plurality of relatively short equally spaced positioning members pivoted to the base for engaging the tree at a relatively short distance from its butt.

1,481,016. CONTAINER-LINING FORMING DEVICE. HERMANN R. LEONHARD, Haledon, Paterson, N. J. Filed July 20, 1922. Serial No. 576,226. 2 Claims. (Cl. 92—36.)



1. In a container-lining forming device, in combination, a container, a hollow forming device of the same shape as the container and capable of close insertion therein, an outwardly extended flange carried by the former capable of abutment upon the top edges of the container when the former is inserted therein and a handle carried by the upepr portion of the former.

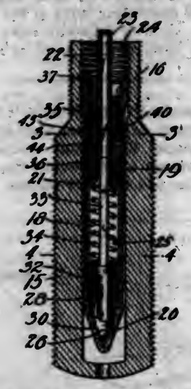
1,481,017. EMBELLISHMENT OF TEXTILE FABRICS, ETC. JOSEPH LIPOTT, Jersey City, N. J. Filed June 1, 1923. Serial No. 642,826. 6 Claims. (Cl. 41—26.)



1. The method herein described of transferring patterns in color to cloth, consisting in superposing thereon a color-pigment sheet with a pattern sheet thereon, and then puncturing all three sheets, in accordance with the pattern, substantially in the manner and for the purpose set forth.

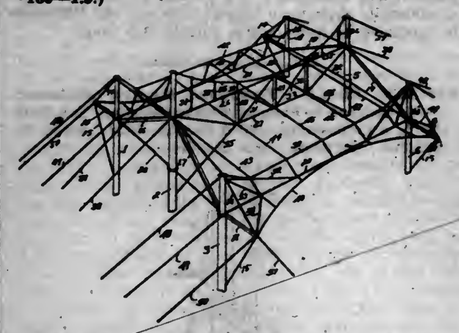
1,481,018. PNEUMATIC-TIRE VALVE. ZEV J LITTMAN, New York, N. Y. Filed Jan. 10, 1923. Serial No. 611,715. 9 Claims. (Cl. 152—12.)

7. In a valve structure, a tubular valve chamber adapted to be mounted in a standard tire valve shell, a valve seat at each end of the chamber, a valve for each seat, the outer valve opening inwardly and having a stem extending outwardly to a point adjacent the open end of the shell, said valve and stem being provided with an axially disposed opening, said inner valve having a screw-threaded connection with the inner wall of the chamber, said inner valve having a stem extending into the opening in the outer valve and stem, said valve stems being longitudinally slidable but non-rotatable with relation to each other



whereby the outer valve stem can be moved longitudinally to manipulate the outer valve and rotated to manipulate the inner valve.

1,481,019. HANGAR FOR AERIAL VEHICLES. FREDERICK J. LUBBERT, San Francisco, Calif. Filed Jan. 26, 1922. Serial No. 531,873. 2 Claims. (Cl. 189—1.5.)



1. In a structure of the class described, comprising masts carrying a plurality of tension trusses supporting a plurality of intermediate cables, a plurality of overlapping metal sheets forming the roof and side walls of the hanger, U-clamps along the edges of the plates for securing the plates to the cables and a retaining plate through which the U-clamps pass and which bear on the side walls.

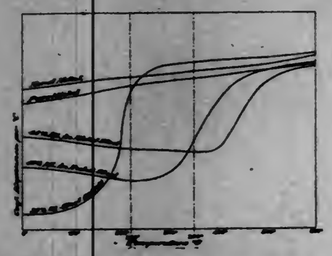
1,481,020. ANTISKID CHAIN. JOHN H. MCCORMICK, Jr., St. Louis, Mo. Filed Dec. 29, 1922. Serial No. 609,638. 3 Claims. (Cl. 152—14.)



1. In an anti-skid chain, a plurality of channel-shaped links, each link having flanges of substantial depth ex-

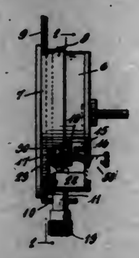
tending from end to end of the link, the web of each link being provided with transverse slots spaced respectively from its ends, and connecting clips of flat material passed through adjacent slots of adjacent links and having return bends lying close to the webs of said links.

1,481,021. TEMPERATURE-CONTROLLED APPARATUS. LAURENCE K. MARSHALL, West Somerville, Mass., assignor to Spencer Thermostat Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Feb. 14, 1922. Serial No. 536,473. 20 Claims. (Cl. 297—12).



1. A high temperature thermostatic control composed of a combination of metallic constituents, said constituents having variable coefficients of expansion with the greatest differences in expansion over a working temperature range substantially above room temperatures and less differences in expansion at temperatures outside said range.

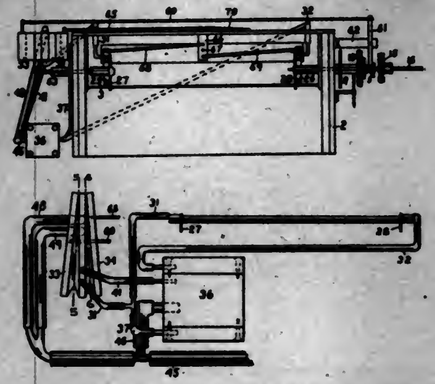
1,481,022. CLOCK. EMMANUEL MATHES, Englewood, N. J., assignor to Phinney Walker Company, New York, N. Y., a Corporation. Filed Dec. 21, 1922. Serial No. 608,173. 9 Claims. (Cl. 58—99.)



1. The combination with a clock casing and movement, of a detachable winding stem engageable with the winding train of the movement and extending thru the casing, a lever engageable with the stem and means mounted on the casing and operable from the exterior thereof to shift said lever and releasably lock said stem in engagement with the said train.

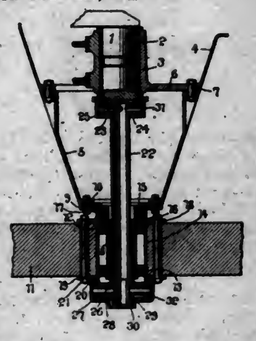
1,481,023. PNEUMATIC VALVE. HARRY PIERCE, San Diego, Calif. Filed June 27, 1922. Serial No. 571,524. 3 Claims. (Cl. 84—138.)

2. In combination, a valve chest having an air inlet chamber, an air outlet chamber, a pouch vacuum chamber, a pouch air chamber, a port leading from said air inlet chamber into said air outlet chamber, a valve controlling said port, a pouch between said pouch vacuum chamber and said pouch air chamber for engaging said valve and opening said port when said pouch air chamber is filled with air, means whereby said pouch air chamber may be exhausted through said vacuum chamber to permit closing of the valve, an air inlet tube communicating with said pouch air chamber, a valve controlling said air inlet tube, a second air inlet tube, communicating with said air inlet chamber, a valve controlling said second air inlet



tube, an air outlet tube leading from said air outlet chamber, and a source of exhaust communicating with said vacuum chamber.

1,481,024. FLYING MACHINE. FINLEY R. PORTER, Port Jefferson, N. Y., assignor to Knight American Patents Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 19, 1916. Serial No. 121,053. 26 Claims. (Cl. 244—25.)



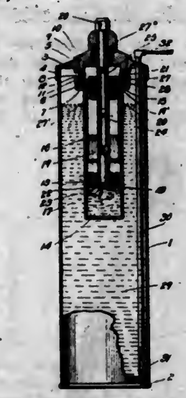
1. In a flying machine, a motor shaft, a hollow axle, a propeller journaled on said hollow axle, a driven shaft within said hollow axle and connected to said propeller, and a flexible connection between said motor and driven shafts.

1,481,025. BUCKLE. GEORGE E. PRENTICE, New Britain, Conn., assignor to Treo Company, Inc., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,180. 1 Claim. (Cl. 24—196.)



A buckle comprising an apertured blank of sheet metal with two opposite side edges doubled back toward one another on the same face of the blank to form with the face of the blank two opposing guide grooves, and an I-shaped stamping of sheet metal bridging the aperture between the guides with the ends of the I sliding in the guides, the ends of the doubled back edges being pinched toward the body of the blank to close the grooves and limit the sliding movement of the I stamping.

1,481,026. PORTABLE FIRE EXTINGUISHER. JOHN G. ROBINSON and LEO J. SCHLITTER, Eldorado, Kans. Filed Jan. 7, 1922. Serial No. 527,684. 2 Claims. (Cl. 169—82.)



1. A fire extinguisher comprising a liquid container having a top opening, a depending cup suspended from the top and surrounding the opening, the cup consisting of a rim having openings and an inwardly turned flange at its lower edge, a plug threaded in the edge of the opening in the top of the container, two nested chemical containers, the inner one of which is shorter than the outer one, the outer container having a top flange resting upon the flange of the cup, a plug supporting the inner container, the plug having a flange supported above the flange of the outer chemical container, the lower ends of the first plug bearing against the flange of the second plug to hold it and the chemical containers rigid with the cup, an open discharge pipe leading through the top of the liquid container, a hollow plunger guided in the two plugs and movable to break the bottom of the inner container, the hollow plunger having openings communicating with the containers and having openings communicating with a space between the first and second plugs so that gas can pass from the inner containers through the opening in the rim of the cup into the liquid container to apply pressure upon the liquid in the liquid container, and a discharge pipe leading from the liquid container to atmosphere.

1,481,027. SHOE SOLE. BENJAMIN ROSS, Brooklyn, N. Y. Filed Aug. 30, 1922. Serial No. 585,225. 2 Claims. (Cl. 36—76.)



1. A shoe sole having in combination, a flexible sole member with a shank portion and a concaved heel portion, an elastic inlay in the concavity of the sole member, a stiffener on the shank portion of the member, said stiffener including a slotted bearing plate held in proximity to the concavity of the member, and a yielding strip extending lengthwise over the shank portion of the member, the strip having one of its ends secured to the sole member and having its other end movably contacting with the bearing plate as well as having depending hook members movably disposed through the slot of the bearing plate.

2. A shoe sole having in combination, a flexible outer sole member with a shank portion and a concaved heel portion, an inner sole member on the upper surface of the outer sole member and having a concaved heel portion disposed in the concavity of the outer sole member, an elastic inlay in the concavity of the inner sole member, and a stiffener on the shank portion of the outer member under the inner sole member, said stiffener including a bearing plate held in proximity to the concavity of both sole members, a yielding strip extending lengthwise over the shank portion of the outer sole member, the strip having one of its ends secured to the outer sole member and having its other end movably contacting with the bearing plate, and means connecting the contacting parts of the plate and strip whereby the strip may move toward and from the heel portion of the sole, but will be prevented from transverse movement.

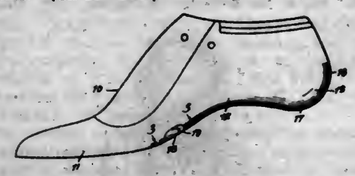
1,481,028. SOLE STRUCTURE FOR BOOTS AND SHOES. BENJAMIN ROSS, Brooklyn, N. Y. Filed Aug. 30, 1922. Serial No. 585,226. 3 Claims. (Cl. 36—76.)



1. A sole structure for shoes and boots, comprising a flexible outer member with a shank portion, a foot portion and a heel portion, a metallic bearing plate having one part fastened to the outer member in proximity to the heel portion and having in opposite parts of the edges of its second part two notches, and a metallic spring strip extending lengthwise on the shank portion of the outer member, one end of the strip being rigidly held to the outer member at its foot portion and having its other end movably contacting with the bearing plate as well as having on opposite parts of its side edges depending hook-shaped members slidably engaging the edges of the notches of said bearing plate.

3. A sole structure for shoes and boots, comprising a flexible outer member with a shank portion, a foot portion and a heel portion, a flexible inner member on the upper surface of the outer member, an elastic inlay on the heel portion of the inner member, a metallic bearing plate having one part fastened to the outer member in proximity to its heel portion, a metallic spring strip extending lengthwise on the shank portion of the outer member under the inner member, one end of the strip being rigidly held to the outer member at its foot portion and having its other end movably contacting with the bearing plate, and means movably fastening the side edges of the bearing plate and said strip together.

1,481,029. SHOE LAST. BENJAMIN ROSS, Brooklyn, N. Y. Filed Aug. 30, 1922. Serial No. 585,227. 2 Claims. (Cl. 12—183.)



1. A shoe last having a body with a foot portion, a shank portion and a heel portion, and a flat plate element on the curved underside of last at the juncture of its shank portion with the sole portion thereof.

1,481,030. CULINARY CHOPPING BLOCK. ALFRED SCHICKERLING, Scarsdale, N. Y. Filed Apr. 30, 1923. Serial No. 635,546. 4 Claims. (Cl. 146—215.)

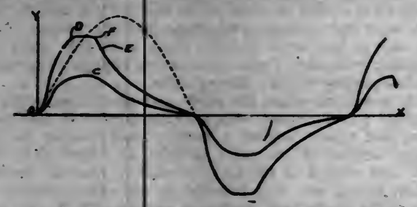
1. In a culinary chopping block of the character designated, the combination with a reversible anvil plate formed on one side with a flat surface and on the other

side with a convex surface, of a supporting base formed with a peripheral flange on its upper edge for contactual



engagement with said anvil plate, and with air passages below its top surface, substantially in the manner and for the purpose set forth.

1,481,031. ELECTRIC FURNACE AND METHOD OF OPERATING THE SAME. GEORGE H. SUTHMAN, Denver, Colo., assignor, by direct and mesne assignments, to The Electric Research Company, Denver, Colo., a Common Law Trust. Filed Jan. 30, 1922. Serial No. 532,787. 7 Claims. (Cl. 204—64.)



2. The method of smelting highly refractory metalliferous ores, which comprises subjecting the same to the heating effect of an arc between a plurality of electrodes, supplying a multiphase electric current to said electrodes, said current having a potential whose wave form is such that its front face is comparatively steep, its top is substantially flat, and whose rear is upwardly concave.

1,481,032. MEANS FOR LOCKING AUTOMOBILE TIRES. KENT SWAFFER, Denver, Colo. Filed July 1, 1922. Serial No. 572,342. 3 Claims. (Cl. 70—122.)



1. A device for locking a spare tire to an automobile comprising a rim non-removably secured to the automobile, said rim having a hole therein adapted to receive a valve stem, a tire assembly, comprising a rim, an outer casing, an inner tube and a valve stem, mounted on said first mentioned rim in such a manner that the valve stem extends through the hole therein, a member provided with an opening for the reception of the valve stem, a lug on said member for engaging the rim, a nut for holding said member in place, and means for locking said nut and member against relative rotation.

1,481,033. LOCK FOR GEAR-SHIFT LEVERS AND THE LIKE. JOHN H. SHAW, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a Corporation of Connecticut. Filed Nov. 21, 1919. Serial No. 339,538. 13 Claims. (Cl. 70—128.)



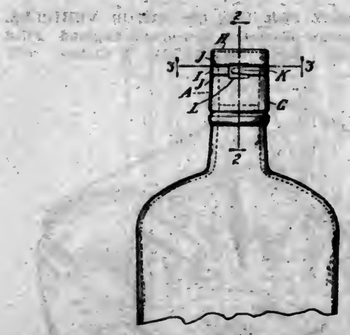
11. In combination with a lever fulcrumed in a supporting bracket, means for locking said lever against movement including a swinging member pivoted to said lever, a rotatable rod mounted in the lever, and projections upon said rod to actuate said member in opposite directions upon rotation of said rod.

1,481,034. BOTTLE. WALTER A. STATTMANN, Chicago, Ill., assignor to Hugh R. Adams, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,556. 1 Claim. (Cl. 215—46.)



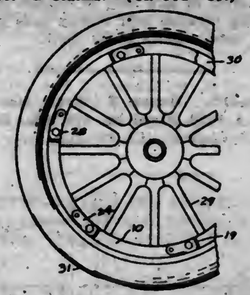
A bottle cap having a skirt portion adapted to be formed to conform to and engage formations on the bottle neck to thereby secure said cap, the latter provided between its ends with a pair of continuous annular weakening incisions bordering a severable strip, said incisions extending a part completely through the cap and said strip laterally severed by an incision communicating with said last named portions of said annular incisions to thereby provide a free end portion at one end of the severable strip to constitute a tongue integral with said strip and folded to provide an outwardly projecting portion adapted for engagement to effect severance of said strip from said cap, whereby the latter is divided into two parts, the upper of which is removable for access to the bottle.

1,481,035. SAFETY SEAL FOR BOTTLES AND THE LIKE. WALTER A. STATTMANN, Chicago, Ill., assignor to Public Safety Cap Company, Chicago, Ill., a Corporation of Illinois. Filed June 9, 1923. Serial No. 644,334. 4 Claims. (Cl. 215—46.)



1. A bottle seal comprising a sheet metal cap adapted to cover the mouth portion of the bottle and secured thereto for preventing access to the cork or other hermetic closure of the bottle, said cap provided between its ends with a substantially annular strip integral therewith and bordered by substantially parallel incisions for rendering said ribbon easily severable from the cap to thereby divide the latter into two parts, one thereof removable to expose and provide access to the hermetic closure thereof, there being an opening in the cap in the plane of said ribbon, the latter terminating at one end in a tongue projecting into said opening.

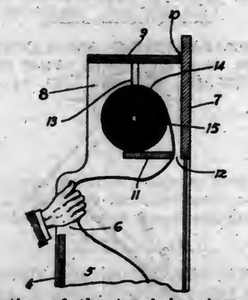
1,481,036. VEHICLE WHEEL RIM. BENJAMIN F. STAUBER, Spokane, Wash. Filed Nov. 20, 1922. Serial No. 601,986. 2 Claims. (Cl. 301—35.)



2. A demountable rim comprising two annular members adapted to be joined together, each member having an inwardly projecting annular flange, corresponding lugs formed at spaced distances in said flanges, pivotally mounted latches connected with one of said flanges, adapted for engagement with said lugs to hold said flanges in rigid relation with each other and an inwardly projecting annular depression on one of said annular members for engagement with the periphery of the felly of the vehicle wheel for aiding in securing a rigid fit of the rim with the wheel.

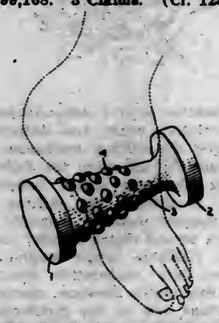
1,481,037. TOWEL CABINET. GEORGE A. STEINER, Salt Lake City, Utah, assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Feb. 21, 1921. Serial No. 446,915. 3 Claims. (Cl. 45—32.)

1. A towel cabinet comprising a casing having rear and end walls and guideways in said end walls and a floor near the lower ends of said guideways, a clean towel roll having a shaft adapted to fit and slide in said guideways and said roll contacting with the rear wall of the cabinet during the initial unwinding of the toweling, the lower portion of said guideways having an offset section therein to receive said roll shaft when a con-



siderable portion of the towel has been unrolled and direct the roll against said floor as well as the rear wall, and a gap being provided between said floor and rear wall through which the clean towel may be drawn by the user.

1,481,038. FOOT-MASSAGING DEVICE. MILTON E. STEPHENSON, Boston, Mass. Filed May 23, 1919. Serial No. 299,168. 3 Claims. (Cl. 128—57.)



1. A foot massaging device comprising a rigid member having a curved portion adapted to rest upon a flat supporting surface, and a conoidal massaging surface, shaped to conform to the plantar arch of the foot, provided with a plurality of resilient convex protuberances adapted, when engaged under pressure by the foot and the base rocked upon its supporting surface, to manipulate, knead, and exercise the plantar fascia and muscles of the foot.

1,481,039. MANUFACTURE OF HYPOCHLORITES. MAURICE C. TAYLOR, CHARLES A. GAMMAL, and RALPH E. GROSSHEIMER, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Mar. 25, 1922. Serial No. 546,864. 18 Claims. (Cl. 23—13.)

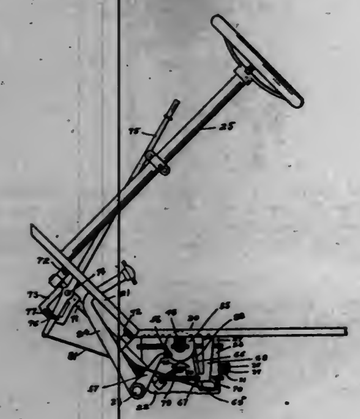
1. The method of producing hypochlorites which comprises extracting hypochlorous acid from its aqueous solutions with a reagent which will not extract chlorides, and causing the extracted hypochlorous acid to react with an alkaline substance to form the corresponding hypochlorite.

1,481,040. MANUFACTUURE OF HYPOCHLORITES. MAURICE C. TAYLOR, ROBERT B. MACMULLIN, and RALPH E. GROSSHEIMER, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed June 27, 1923. Serial No. 648,125. 10 Claims. (Cl. 23—13.)

1. The method of producing hypochlorites of alkali and alkali-earth metals which comprises causing an

extract of hypochlorous acid in an organic solvent to react with the hydroxide of the metal, the amount of available chlorine being in excess of that theoretically required to react with the hydroxide.

1,481,041. GEAR-SHIFTING MECHANISM. BURTON A. WALRATH, Sioux City, Iowa. Filed Dec. 30, 1921. Serial No. 525,919. 8 Claims. (Cl. 74—58.)



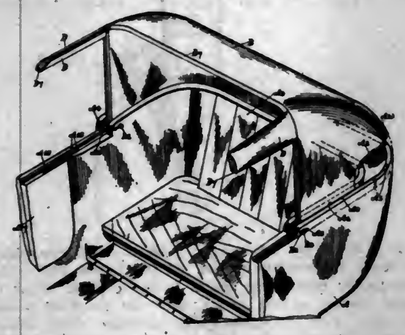
1. The combination with a motor-vehicle including its main clutch-controlling shaft, and shiftable power-transmission elements, of shifting mechanism for said elements, and means for actuating the shifting mechanism and controlling the main clutch comprising a single rotating shaft to actuate the shifting mechanism, a driven clutch member mounted coaxially with the said rotating shaft, a second clutch member fixed on the said rotating shaft, yieldable means tending to force said clutch members into cooperative relation, releasable means holding said clutch members normally disengaged, an operating crank arm on the clutch-controlling shaft, and a cam fixed on the said rotating shaft directly co-acting with the crank-arm to operate the clutch-controlling shaft.

1,481,042. AUTOMATIC FIREARM. FRITS WALTHER and GEORG WALTHER, Zella-Mehlis, Germany. Filed Aug. 29, 1921. Serial No. 496,756. 7 Claims. (Cl. 42—3.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



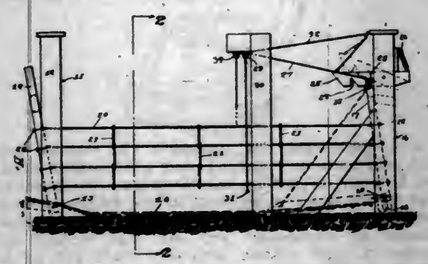
1. In an automatic fire arm as described comprising in combination a magazine in the front of the stock, a breech block, a breech casing having straight guide grooves, a feed lever, a grooved slide block coupled with said breech block, a lug on said breech block designed to retain the rearmost cartridge of said magazine in the front of the stock, a pivotally mounted locking hook for retaining said feed lever in its lowest position and designed to be acted upon by the cartridge for releasing the feed lever, a lateral pin on said feed lever guided in the grooves of said slide block, designed to be raised to its highest possible position together with said feed lever by the action of the advancing slide block.

1,481,043. BODY FOR USE ON MOTOR VEHICLES. CHARLES BENSON WARDMAN, Southport, England. Filed Jan. 10, 1923. Serial No. 611,734. 2 Claims. (Cl. 296—45.)



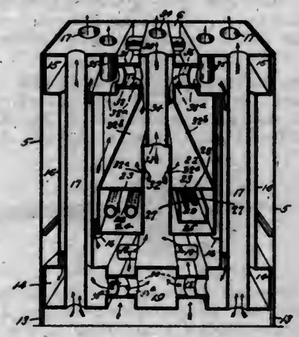
1. In a body for a motor vehicle, the combination of a non-collapsible rear quarter pivoted to the sides of said body and adapted to be swung into a recess in the back thereof, windscreen pillars at the front of said body, canopy rails formed in sections collapsibly connected together and extending forwardly to said windscreen pillars, a transverse rail uniting the forward parts of said canopy rails, a roll-up canopy also carried by said rear quarter, a detachably mounted bow supporting said canopy when extended, telescopically jointed bow sticks carried by said body to support said bow, and windows fitting between said canopy rails and the sides of said body, substantially as set forth.

1,481,044. GATE. HENRY E. WARE, Moorcroft, Wyo. Filed Dec. 4, 1920, Serial No. 428,338. Renewed June 21, 1923. 5 Claims. (Cl. 39—5.)



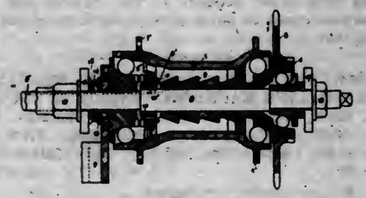
1. In a device of the type described, a pair of supports adapted to be arranged upon opposite sides of a right of way, end posts pivotally connected at their lower ends to said supports, horizontal members connected at their ends to said end posts and adapted to extend transversely of the right of way and bar passage thereon when said end posts are vertically arranged, means for locking said end posts in vertical position, means for releasing said locking means and means for imparting an initial swinging movement to said end posts when said locking means is released, said horizontal members forming a compact mass upon the surface of the right of way when said end posts are approximately horizontally disposed.

1,481,045. GAS AND OIL BURNING HEATER. JOHN WEIGEL, Cincinnati, Ohio. Filed June 22, 1921. Serial No. 479,646. 2 Claims. (Cl. 126—116.)



1. In a hot-air gas-and-oil-using furnace, the combination of a pair of spaced lower longitudinal air drums or chambers, a similar pair of spaced upper longitudinal air drums or chambers in vertical alinement with said lower drums, an intermediate central lower draft-tube or exit-duct horisontally-alined with said lower air-drums, horisontal branch-pipes connecting said lower air-drums with said central draft-tube or exit-duct, upright inner air ducts or pipes leading from the bottoms of the said lower air-drums to the tops of the said upper air-drums, jackets or spaced tubes or pipes surrounding the said last-named inner air ducts or pipes between the upper and lower air-drums, a centrally-disposed longitudinal upper air-chamber between the pair of upper air-drums and in horisontal-alinement therewith, horisontal branch-pipes connecting said central upper air-chamber with the said pair of upper air-drums, an inverted hopper or a central funnel-shape upper air-chamber, a twin pair of open-ended burner boxes arranged beneath the said central funnel-shape upper air-chamber and adapted to contain fuel burners, means for controlling said gas and oil burners, and heat-radiating plates or partitions forming the tops of and leading from the twin burner-boxes to the said centrally-disposed longitudinal upper air-chamber, substantially as herein shown and described.

1,481,046. FREE-WHEEL AND BRAKE HUB FOR BICYCLES. PROSPER BOURGARD, Dolhain, Belgium. Filed Apr. 5, 1923. Serial No. 630,177. 2 Claims. (Cl. 192—6.)



1. In a free-wheel and brake hub for bicycles, the combination of a hub-casing; a sleeve provided externally with screw threads of triangular section, mounted on the axle and having one end fitted with a chain pinion; a segmentary nut within aforesaid casing having a plurality of longitudinal slots at intervals on its circumference extending along the greater portion of its length starting alternately from one end and the other, and provided internally with screw-threads of triangular section engaging those of the aforesaid sleeve, substantially as described.

1,481,047. CHART-HOLDING DEVICE FOR RECORDERS. EDGAR H. BRISTOL, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a Corporation of Massachusetts. Filed Sept. 7, 1922. Serial No. 586,702. 15 Claims. (Cl. 234—1.)



1. A chart hub having a rebate to receive the chart, a clamping sleeve, a cap for attachment to the hub and a spring interposed between sleeve and cap.

1,481,048. BODY FOR MOTOR VEHICLES. MAX ALVINUS BUCH, Coventry, England. Filed Feb. 27, 1923. Serial No. 621,609. 1 Claim. (Cl. 296—49.)



The combination with a door forming part of the side of a body, a recess in said door, a lower frame part of channel section and hinged to the bottom of said recess and lying flush against the back of the recess when closed, an upper frame part also of channel section and hinged at the bottom to said lower frame part and lying flush against the inner side of the lower frame, a window adapted to slide in said channel parts when said frames are arranged in line with one another, and means for locking said frames in line with one another, substantially as set forth.

1,481,049. TRAILER. HENRY CASON, St. Louis, Mo. Filed Nov. 2, 1922. Serial No. 598,570. 1 Claim. (Cl. 212—142.)



In a device of the class described, a wheel-mounted vehicle comprising front and rear axles, side beams connected at their outer ends to the axles, means for uniting the inner ends of the side beams detachably, pairs

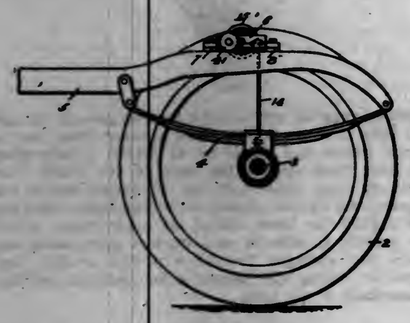
of drums, the drums of one pair being located at a higher elevation than the side beams, in front of the front axle and closely adjacent to the side beams, the drums of the other pair being located at a higher elevation than the side beams, to the rear of the rear axle and closely adjacent to the side beams, and means on the axles for supporting the drums for rotation in the locations specified.

1,481,050. SAFETY-RAZOR-BLADE HOLDER. MICHAEL CROUGH, Ilion, N. Y. Filed May 3, 1923. Serial No. 636,453. 3 Claims. (Cl. 30—25.)



1. A safety razor blade holder comprising two loosely connected plates having instruck contacting portions on which the plates are adapted to rock on a longitudinal axis, said plates being provided with blade clamping jaws in advance of such axis, and means movable into and out of the space between the plates in rear of said axis for rocking the plates to close the jaws and for holding said jaws in clamping position.

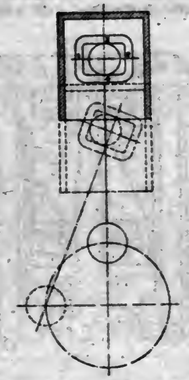
1,481,051. SHOCK ABSORBER. HARLAND A. DANFORTH, Lynn, Mass. Filed Sept. 18, 1920. Serial No. 411,060. 7 Claims. (Cl. 267—10.)



1. A shock absorber secured to a body and to a flexible support comprising a frame, a rotatable wheel mounted in the frame, a windable belt connected to the body and to the flexible support permitting a free movement of the flexible support in one direction and a centrifugal regulating means for controlling the upward movement of the body in accordance with the speed of movement of the said body.

1,481,052. CONNECTION BETWEEN PISTONS AND THEIR CONNECTING RODS. JOHAN HENDRIK DE IONGH, Bergen, Netherlands, assignor of one-half to Naamloose Vennootschap Kromhout Motoren Fabriek D. Goedkoop, jr., Amsterdam, Netherlands, a Dutch Limited Company. Filed Aug. 20, 1923. Serial No. 658,267. 1 Claim. (Cl. 74—106.)

In an engine the combination of a piston, a connecting rod and a pin pivotally connecting the connecting rod to the piston, one of the first mentioned two elements having means to permit movement of the pivotal pin and



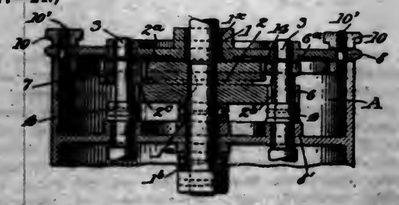
therefore of the inner end of the connecting rod transversely of the piston and at an angle to the axis of the piston.

1,481,053. TIRE CLAMPING AND TURNING DEVICE. LEO M. EVANS, Salt Lake City, Utah. Filed July 2, 1921. Serial No. 482,184. 8 Claims. (Cl. 154—9.)



1. A device of the class described including a base member, a cylinder mounted thereon, a piston for reciprocation within the cylinder, a rod connected with the piston, a supporting block at the outer end of the piston, a supporting bar on the cylinder, means for admitting fluid under pressure to the cylinder and hook members arranged in pairs at opposite ends of the supporting bar.

1,481,054. MULTIPLE-SPEED DRIVING MECHANISM FOR DRILLING MACHINES. WILLIAM R. FOX, Jackson, Mich., assignor to Fox Machine Company, Jackson, Mich., a Corporation of Michigan. Filed Apr. 29, 1922. Serial No. 557,327. 16 Claims. (Cl. 77—24.)



1. In a drilling machine a drill spindle, a main driving shaft, a master gear thereon having multiple rings

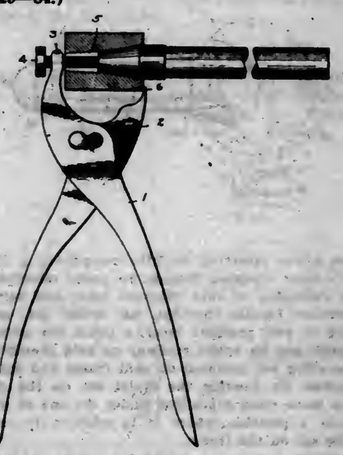
of gear teeth of different diameters with that of the larger diameter lowermost, and pinions of different diameters to be slipped vertically onto or off from the spindle at its upper end, the downward movement of the pinions being limited to mesh with their respective master gear ring when dropped freely along said spindle, only one pinion occupying a spindle at the same time.

1,481,055. MEAT-CUTTING IMPLEMENT OR TOOL. THOMAS FULLBRIGHT, St. Louis, Mo., assignor to George Sampt, St. Louis, Mo. Filed Sept. 27, 1922. Serial No. 590,823. 6 Claims. (Cl. 146—77.)



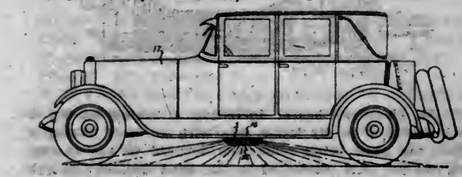
1. A tool of the class described including, in combination, a pair of cutting-members, and means comprising a pair of gears and a shiftable clutch-member adapted for driving engagement with one or the other of said gears for selectively rotarily actuating one of said members or reciprocatorily actuating the other of said members.

1,481,056. PLIERS. PERCY T. GILBERT, Duluth, Minn. Filed June 5, 1922. Serial No. 565,833. 1 Claim. (Cl. 29—84.)



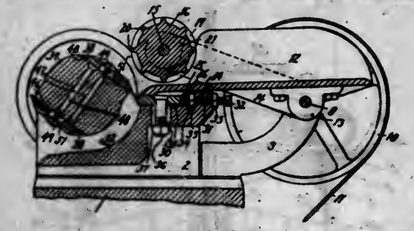
A pair of pliers of the character described having jaws of unequal length and an adjustable thumbscrew within the extreme outer lip of the longer jaw, whereby an object may be engaged by the thumbscrew beyond the limits of the shorter jaw.

1,481,057. AUTOMOBILE LIGHT. ROY GOTT, Centralia, Ill. Filed Jan. 23, 1923. Serial No. 614,438. 5 Claims. (Cl. 240—7.)



1. An automobile side light of the character described comprising an elongated casing having a front transparent panel, and illuminating means in said casing for projecting rays of light through the panel said panel being provided with a straight central surface for projecting the light rays straight out laterally from the casing and front and rear inclined surfaces for projecting the light rays laterally and respectively in a forward and rearward direction from the casing, all of said panel surfaces being also inclined at a single continuous downward and inward angle between its top and bottom edges so as to throw unbroken light rays therefrom down against the road surface.

1,481,058. WASTE-PAPER SHREDDER. CHARLES W. GRIFFIN, Riegelsville, N. J. Filed Sept. 20, 1923. Serial No. 663,832. 4 Claims. (Cl. 146—120.)



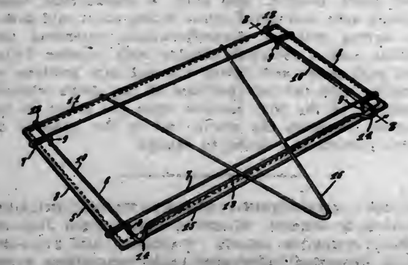
1. The combination, in a shredder, with a revoluble knife-head, of a bed-knife support having an open-top and open-end integral trough with its bottom beneath said head, and consisting of a part which is approximately concentric with said head, and of a part which is straight and unbroken, tangential to said first-named part, and has a downward pitch.

1,481,059. MOUTHPIECE. GEORGE A. HIGHFIELD, Scranton, Pa. Filed Oct. 26, 1921. Serial No. 510,483. 4 Claims. (Cl. 131—12.)



1. A mouth-piece having a nipple defining the outer end of its bore, a member co-acting with the nipple to prevent inward flow through the bore of the mouth-piece, and a cap overlying the outer end of the mouth-piece and provided with a socket to receive the nipple, said outer end of the mouth-piece being provided with bypasses for communication with the atmosphere, the cap having ports communicating with the socket outwardly of the nipple and with the bypasses.

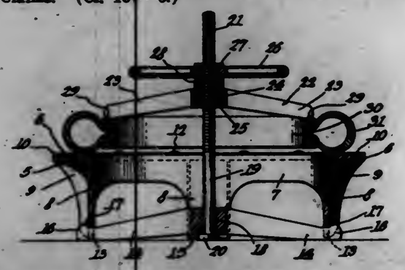
1,481,060. WIRE HOLDER FOR FLY PAPER. SAMUEL A. HOLMES, Storm Lake, Iowa. Filed Apr. 4, 1922. Serial No. 549,580. 1 Claim. (Cl. 43—115.)



A supporting device comprising pivotally connected sections, lengths of wire connecting the ends of one

of the sections, said lengths of wire having portions thereof, extending around the opposed section and having right angled ends providing supports for the sections, extensions formed on one section, the section having the extensions adapted to engage the lengths of wire, and the extensions adapted to move over the adjacent sections to set up a binding action, and grip an article between the sections, and a handle for supporting the device.

1,481,061. MACHINE FOR REMOVING TIRES FROM RIMS. WILLIAM K. HUNTER, Copperhill, Tenn., assignor of one-half to Alfred W. Taylor, Johnson City, Tenn. Filed July 20, 1922. Serial No. 576,344. 2 Claims. (Cl. 157—6.)



1. A machine for removing tires from rims, comprising a table structure including a top and legs depending therefrom, said legs being provided at their lower ends with notches, a spider arranged within the lower portion of the table structure and including arms having their outer ends received within said notches, said arms being provided at their outer ends with upwardly projecting heads adapted to engage the outer walls of said legs, an upstanding shaft secured to the spider and extending above the table structure, a removing spider slidable upon the shaft and having arms to engage the rim to force the same from the tire while the tire is supported upon said table top, and an operating element screw threaded upon the upper portion of the shaft and engaging the removing spider.

1,481,062. PIPE COUPLING. LLOYD JOHNSON, Uhrichsville, Ohio. Filed Aug. 15, 1921. Serial No. 492,827. 1 Claim. (Cl. 285—180.)



A pipe coupling comprising a tubular gasket to be fitted about meeting pipe ends, a contractible longitudinally split corrugated sleeve fitting about said gasket and having external circumferentially extending cam portions, and a rotatable tubular body member fitting about said sleeve and having internal cam portions cooperating with the cam portions of the sleeve whereby a rotation of the body member upon the sleeve in one direction contracts the sleeve and in the opposite direction permits the sleeve to expand.

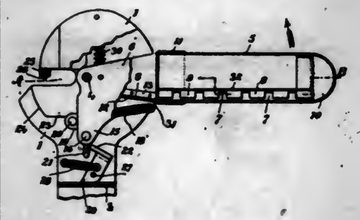
1,481,063. DISPENSING TOILET-PAPER HOLDER. JOSEPH S. O'BRIEN, Westfield, Mass. Filed June 10, 1922. Serial No. 567,479. 7 Claims. (Cl. 211—29.)

1. A dispensing toilet-paper holder comprising a perforated backing, a perforated flap having a feeding part, a foldable connection between said backing and said flap, the arrangement of parts being such that said flap can be moved up and down and swung forward and back, and a supporting member receivable in the perforation in said backing and in the eye of the binder wire of a package of toilet-paper, and adapted to support said



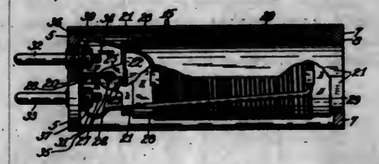
wire at the terminal opposite to said eye, said supporting member and said wire both being receivable in the perforation in said flap, whereby said flap is permitted to be operated and by gravity normally to contact with the toilet-paper regardless of the thickness of the package.

1,481,064. EYELET-INSERTING MACHINE. WERNER OCKS, Bad Liebenstein, Germany. Filed Jan. 16, 1923. Serial No. 613,057. 3 Claims. (Cl. 218—15.)



1. An eyelet inserting machine comprising a frame, a pressure lever mounted therein, an eyelet reservoir forming an extension of said pressure lever and serving as an operator handle therefor, an eyelet set oscillably mounted on said pressure lever, a catch pin mounted in said eyelet set, an eyelet raceway on said pressure lever, a cooperating set mounted on said frame and stationary cam means for causing the eyelet set on the pressure lever to move from a position under the end of the raceway into a position where it is adapted to cooperate with the set on the frame.

1,481,065. ELECTRICAL CURLING-IRON HEATER. AUGUST H. OPPERMAN, Indianapolis, Ind. Filed Aug. 31, 1921. Serial No. 497,333. 6 Claims. (Cl. 219—22.)



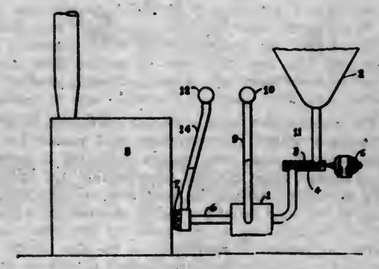
1. An electrical heater including a casing having a head provided on its inner side with an arm having a pivot, the head being removably secured to the casing, two contact pins connected to the head adjacent to the arm, a hollow core having an ear connected to the pivot, and a heating coil on the core and connected with the contact pins.

1,481,066. PHONOGRAPH-RECORD HOLDER. CARL W. PIERSON, Rockford, Ill. Filed Dec. 8, 1920. Serial No. 429,200. 5 Claims. (Cl. 211—16.)



1. A disk record holder comprising a case having an open side providing a passageway through which the records are adapted to be passed, a pair of stringer rods within the case reaching across and in proximity to said open side at the ends of the record passageway, flexible record partitions supported wholly at their front ends on said rods, spacers on the rods between the partitions, the rear ends of the partitions within the case being free to swing and flex laterally, and means for supporting records in the case with one edge projecting beyond the front ends of the partitions.

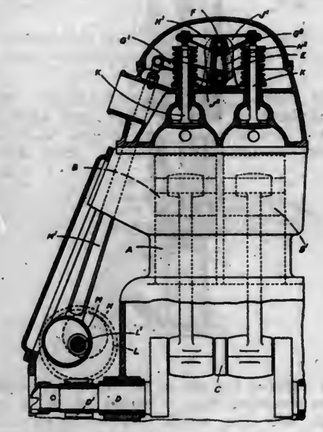
1,481,067. COMBUSTION OF PULVERIZED FUEL. RALPH E. H. POMEROY, Canton, Ohio, assignor to George J. Hagan, trustee, Perrysville, Pa. Filed Nov. 19, 1921. Serial No. 516,379. 4 Claims. (Cl. 110—28.)



1. The combination of a furnace, a pulverizer connected to the furnace, means for feeding fuel to the pulverizer and means for forcing air under pressure higher than atmospheric pressure into and through the pulverizer and into the furnace.

1,481,068. VALVE GEAR FOR INTERNAL-COMBUSTION ENGINES. HARRY RALPH RICARDO, London, England. Filed Apr. 1, 1919. Serial No. 286,693. 3 Claims. (Cl. 123—60.)

3. In a valve gear for a high speed internal combustion engine having overhead valves the combination of two cylinders, a crank shaft on which act the pistons in these two cylinders, inlet and exhaust valves in the heads of these cylinders, four tappet levers mounted on the cylinder heads so as to rock about a common axis and adapted to operate respectively both inlet and both exhaust valves, a wiper arm formed integral with each tappet lever, two levers mounted on the cylinder heads so as to rock about a common axis which is parallel to the fulcrum axis of the tappet levers each of these rocking levers having a wiper arm adapted to engage the wiper arms of two tappet levers, one pair of said tappet



levers operating both inlet valves and the other pair both outlet valves, two eccentrics mounted on a shaft which is disposed transversely to the engine crank shaft, rods connecting these eccentrics respectively to the two rocking levers, and gearing between the crank shaft and the transverse shaft as set forth.

1,481,069. FLY SWATTER. OSCAR A. SCHNEIDER, Random Lake, Wis. Filed Apr. 22, 1922. Serial No. 556,029. 2 Claims. (Cl. 43—137.)



1. A device of the character described comprising an elongated supporting member, an arm engaged therewith for swinging movement, means carried by the supporting member and engageable with the arm to impart swinging movement to the arm, and a swatter detachably engaged with the arm.

1,481,070. AIR PUMP. JOSEPH P. SHEVLIN, Denver, Colo. Filed July 10, 1922. Serial No. 574,051. 1 Claim. (Cl. 230—27.)



A valve adapted for use in an air pump, comprising an annular mounting ring, a leather cup valve member mounted in said ring, means cooperating with the annular mounting ring for permitting the free passage of air therethrough in one direction, and for preventing the flow of air therethrough in the opposite direction, said means comprising a member having a flange on one end thereof, a boss extending through said mounting ring, shoulders on said flange for preventing the ring from contacting with the flange, a sealing washer secured to the end of the boss opposite from the flange, and a nut for holding said washer in place.

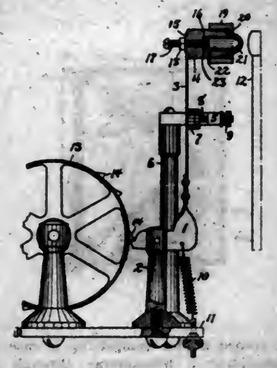
1,481,071. AUTOMATIC WELDING DEVICE. THOMAS A. SINDELAR and SPENSLEY S. DAYKIN, Cleveland, Ohio, assignors to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 2, 1921. Serial No. 466,209. 16 Claims. (Cl. 219—8.)



1. A welding machine for welding an article along a seam, portions of which lie in different horizontal planes, comprising a welding device, means for presenting portions of the seam progressively to said device while maintaining the relative position of the seam with respect to said welding device and means for maintaining a substantially constant rate of movement of the seam with respect to the welding device.

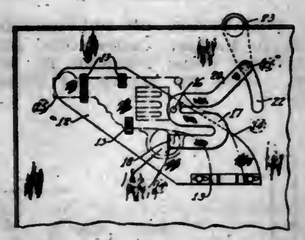
1,481,072. HAMMERS FOR CHIMES. GEORGE L. SMITH, Fort Wayne, Ind., assignor to The Smith Chimes Clock Company, a Corporation of Indiana. Filed Nov. 23, 1921. Serial No. 517,192. 2 Claims. (Cl. 84—404.)

1. In apparatus of the class described, a hammer head; a spring shank having pivotal support at one end and secured at its other end to said head; a movable plug in the head; an adjusting means for sustaining the plug;



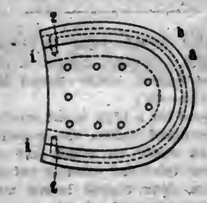
a collar secured on the outer end of the head; and a pliant impact member extending over the plug and secured by said collar to the head.

1,481,073. BURGLARPROOF CONTAINER. WILLIAM W. SPURRIER, St. Louis, Mo., assignor of thirty-eight per cent to Ben F. Schuetz, Jefferson City, Mo. Filed June 30, 1922. Serial No. 571,987. 4 Claims. (Cl. 116—99.)



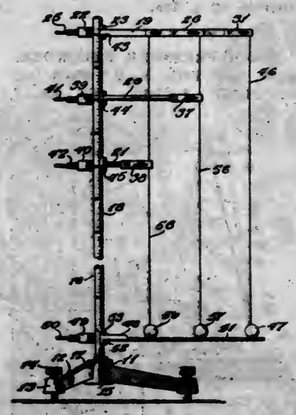
3. The combination with a slotted container, of a fire-arm disposed within the container, and means for discharging the fire-arm, said means including a substantially S-shaped lever pivoted intermediate its ends for rocking movement within the container, an extension on one end of the lever having tripping engagement with the trigger of the fire-arm, an extension on the other end of the lever projecting for movement in the slot of the container, and a gripping-member disposed exteriorly of the container and having engagement with the second lever-extension for actuating the lever.

1,481,074. HEEL. WILLIAM DAVID STEENBERG, London, England. Filed June 8, 1923. Serial No. 644,234. 5 Claims. (Cl. 36—36.)



1. A heel for boots and shoes including a carrier element, a wearing member of substantially horse-shoe shape extending around the sides and the outer end of said carrier element, the carrier element being recessed, a resilient horse-shoe shaped core member embedded in said wearing member, and lugs at the ends of one of said members extending into the carrier element recesses, said core and lugs detachably locking the wearing member and the carrier element together.

1,481,075. PENDULUM-DEMONSTRATING APPARATUS. GEORGE C. STROUSE, Sebring, Ohio. Filed Mar. 14, 1923. Serial No. 625,063. 4 Claims. (Cl. 35—16.)



1. A pendulum demonstrating apparatus comprising a vertically positioned post, an arm slidably mounted upon said post and adjustable at different heights thereon, a pendulum including a bob and a line suspended from said arm, a transverse bar carried by the post and provided with a contacting surface for said bob, means for securing said arm and said bar in a horizontal plane on said post; said means including a V-shaped bearing portion on said arm adapted to engage with the side of said post, a thumb screw for tightening the bearing portion thereon, and indices on said arm and said bar, one of said indices coinciding with the suspension point and the other of said indices coinciding with the center of gravity of said bob.

1,481,076. WINDOW SHADE AND CURTAIN SUPPORT. JOHN WŁOSZEK, Donora, Pa. Filed May 5, 1922. Serial No. 558,757. 1 Claim. (Cl. 156—23.)



In a device of the class described, a curtain pole having laterally projected ends notched on their upper sides, and socket elements receiving said notched ends, said socket elements having respectively upwardly and downwardly projected lower and upper lips forming diminished mouths, the lower lips being projected laterally beyond the upper lips to support the pole, the upwardly projecting lower lips forming cavities in the sockets below the extremities of the lips adapted to receive the ends of the pole as the latter are being inserted diagonally downward into the said sockets.

1,481,077. CLOTHESLINE. JOHN ADAMS, New York, N. Y. Filed Sept. 20, 1922. Serial No. 589,292. 3 Claims. (Cl. 68—3.)

1. In a clothesline, an outer pulley, means mounting said pulley for rotation and for bodily adjustment, means for locking said pulley against rotation when adjusted bodily to one position, and a rope for supporting clothes



passed around said pulley and adapted to move the latter bodily from one position to another.

1,481,078. FLEXIBLE SHAFTING. FRANS O. ALBERTSON, Sioux City, Iowa, assignor to Albertson & Company, Sioux City, Iowa, a Corporation of Iowa. Filed Nov. 24, 1922. Serial No. 603,089. 3 Claims. (Cl. 64—30.)



1. The combination of a flexible metallic tubing, a continuous flexible shaft, said tubing constituting a casing within which said shaft rotates, rollers encircling said shaft and loosely mounted thereon, said rollers being spaced at intervals along said shaft, a pair of collars suitably secured to said shaft adjacent each of said rollers and serving to limit longitudinal movement of said roller, and washers interposed between said rollers and said adjacent collars.

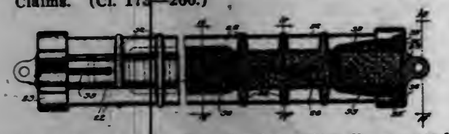
1,481,079. ACETYLENE GENERATOR. DOMINGO ANGLADA, New York, N. Y., assignor to Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 5, 1920. Serial No. 379,015. 1 Claim. (Cl. 48—4.)



In an acetylene lamp, in combination, a carbide chamber, a water reservoir, a partition secured to said reservoir and separating the reservoir and chamber, a portion of said partition being shaped to form spaced inner and outer walls, an annular groove between the walls, a washer at the base of said groove, an annular shoulder extending horizontally from said outer wall, screw threads on the inner of said walls, an annular screw

threaded flange extending upwardly from the top surface of the carbide chamber, and spaced inwardly from the outer edge thereof and inwardly from the said outer wall, a horizontal annular shoulder extending from the base of said flange, a washer on the last mentioned shoulder, the said screw threads being adapted to secure the reservoir and chamber together, the upper edge of the flange being adapted to seat on the washer in said groove and the last mentioned washer being adapted to be held between said shoulders.

1,481,080. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 289,090. 19 Claims. (Cl. 173—266.)



1. An elongated insulator having externally arranged interlinking reenforcing members connected therewith and insulated from one another, each of said members being insulated from one of the attaching portions of said insulator.

1,481,081. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 289,091. 12 Claims. (Cl. 173—318.)



1. An insulator comprising a tube of insulating material having an open end and a pair of connecting members secured to the outer surface of said tube adjacent the opposite ends thereof and insulated from one another, one of said members being arranged to engage said tube only at points adjacent to and spaced from said open end.

1,481,082. CONTAINER FOR PHONOGRAPHIC NEEDLES. STEPHEN BENNIS, East Williston, N. Y. Filed May 3, 1923. Serial No. 636,412. 5 Claims. (Cl. 15—210.)



1. A device of the character set forth comprising a cylindrical receptacle element having a closed bottom and a circumferential groove around the exterior thereof, a hollow circular shaped base having a central opening in its top and fitting over said bottom, and provided with an internal bead fitting into said groove, and a soft fabric covering on said base extending between said bead and groove to hold it in place, said base being spaced from said bottom.

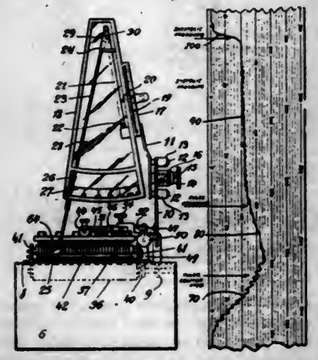
1,481,083. CUFF BUTTON. PAUL SIMPSON CARRIER, Edgewood, R. I., assignor to Grafton H. Willey, Providence, R. I. Filed Feb. 24, 1923. Serial No. 621,040. 4 Claims. (Cl. 24—102.)

1. A flexible separable cuff link comprising a pair of inner head members one having a socket and the other a short complemental stud to snap into the socket of the other to closely connect them together, an outer head



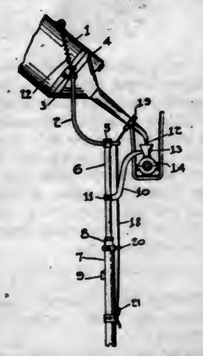
member spaced from each inner head member and loosely connected thereto by a link.

1,481,084. BLOOD-PRESSURE RECORDER. CHARLES E. DRESSLER, New York, N. Y. Filed Dec. 24, 1921. Serial No. 524,567. 1 Claim. (Cl. 234—1.)



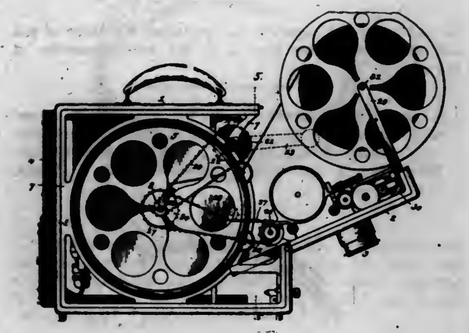
The combination of blood pressure reproducing means, a strip of paper, a pen, means for operating said pen to trace the operations of said reproducing means on the said paper, a vertically disposed casing for supporting and enclosing said pressure reproducing means, the said pen and the operating means therefor, a visible scale carried by said casing, means for observing the operations of the said pen on said scale, a box, means in said box for printing a standard blood pressure scale on said paper in advance of the tracings of the pen, means in said box for feeding said paper at right angles to the movement of the pen, and means on said box and said casing for operatively and detachably connecting the same together.

1,481,085. OILING DEVICE. OVIDE DUCHATELET, Montreal, Quebec, Canada. Filed July 6, 1922. Serial No. 573,160. 1 Claim. (Cl. 221—54.)



An extensible rod having a rearwardly offset pivot bearing and an oil can pivoted therein and a spring member projecting laterally and upwardly from said rod and terminating adjacent to the top thereof and having an outwardly bent end adapted to engage the outside of the bearing funnel and regulate the distance for the can spout.

1,481,086. FILM-REELING MECHANISM. CHARLES LEO FITZ, Fond du Lac, Wis., assignor to Drop Head Projector Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Nov. 3, 1922. Serial No. 598,865. 12 Claims. (Cl. 242—55.)



2. In a motion picture machine having a drop front portion hinged at its lower end to the enclosing casing of the machine, the combination of a pair of reel carrying housings arranged in transverse spaced relation in said casing, a transverse reel carrying shaft common to said housings, a post hinged to said drop front portion and having a shaft at its free end adapted to support a film reel in line with one of said housings, a hinged brace attached to said post and adapted to hold the same in a raised position, and means for imparting rotation to the reel carrying shaft of said housings and to a reel carried thereon to attain a rewinding of the picture film from one reel to the other.

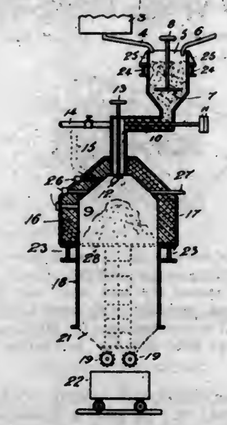
1,481,087. METHOD AND MOLD FOR MAKING CONCRETE BLOCKS. ANDREW B. FOANS, New York, N. Y. Filed May 16, 1923. Serial No. 639,258. 7 Claims. (Cl. 25—121.)



1. A mold for making concrete blocks comprising a box having an open top, bifurcated brackets secured in the box, and tie rods arranged to movably coact with the brackets projecting upwardly from the box.

1,481,088. APPARATUS FOR AND PROCESS OF MANUFACTURING NITROGEN COMPOUNDS FROM CARBIDES. TSUNMICHI FUJIYAMA, Tokyo, Japan. Filed Dec. 12, 1918. Serial No. 266,421. 11 Claims. (Cl. 23—13.)

6. A furnace for manufacturing nitrogen compounds consisting of a reaction chamber having its lower end open, means to temporarily support a mass of raw material within such chamber, means for supplying nitrogen gas and fresh quantities of raw material through the upper end of said chamber, said temporary support being



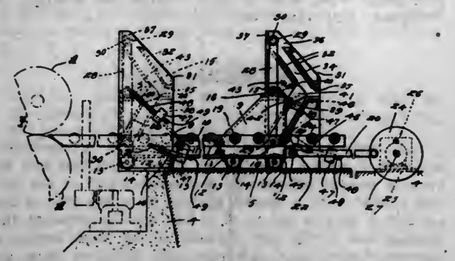
gradually withdrawn to permit the body of formed nitrogen compounds to progress through the open end of such chamber.

1,481,089. FEED-CONTROLLING DEVICE. GEORGE H. GLASER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Feb. 15, 1919. Serial No. 277,348. 18 Claims. (Cl. 121—9.)



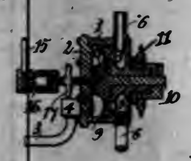
1. The combination with work performing means and feeding means therefor including a cylinder and piston, of feed controlling means movable with said piston and cooperating with said cylinder to restrain relative movements of cylinder and piston.

1,481,090. TRANSFER APPARATUS. JOHN J. HAZLEWOOD, Pittsburgh, Pa. Filed Oct. 1, 1921. Serial No. 504,820. 8 Claims. (Cl. 80—47.)



5. A transfer apparatus consisting of a transfer member, rolling stock, a pitman pivoted thereto, means to actuate the pitman, said rolling stock consisting of truck frames, means connecting the frames on said truck frames, axles journaled on said bearing frames, wheels on said axles, shafts, bearing members for said shaft on said bearing frames, cranks on said shafts journaled to said transfer member, levers on said shafts and stationary cam members associated with said levers to actuate the same.

1,481,091. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. CHARLES FREDERICK HEYWOOD, Buenos Aires, Argentina. Filed Aug. 27, 1921. Serial No. 495,916. 12 Claims. (Cl. 60—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



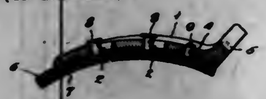
1. In a device for starting internal combustion engines, means for supplying compressed fluid, means for supplying fuel, receiving means for said fluid and fuel, said last mentioned means provided with means for distributing compressed fluid to one cylinder for starting and a carburetted mixture of fluid and fuel to another cylinder.

1,481,092. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,911. 2 Claims. (Cl. 188—249.)



2. A transmission band provided with a removable ear formed with a slot having an enlarged portion and with a socket in its under face having front and rear walls, and a band provided with a headed stud to fit in the slot of the ear and a stud positioned to fit in the socket of the ear and bear against the front and rear walls thereof to prevent longitudinal movement and with an upturned flange to bear against the end of the ear.

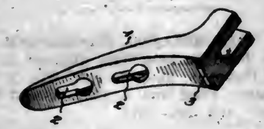
1,481,093. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,912. 2 Claims. (Cl. 188—249.)



2. A transmission band provided with a removable ear formed with a slot having an enlarged end and an opening located adjacent to the notched end of the ear, and a band with a headed stud to fit in the slot of the ear and a stud or pin to fit in the opening adjacent the notched end of the ear, the end of the band having a portion thereof bent upwardly and folded to form an abutment for the end of the ear.

1,481,094. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,913. 2 Claims. (Cl. 188—249.)

2. A transmission band provided with a removable ear formed with a slot having an enlarged end and on its under face next to the notched end of the ear with a depending shoulder, and a band provided with a headed stud to fit in the slot of the ear and having a recess in



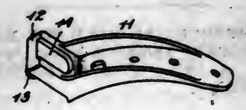
its end adapted to receive the depending shoulder of the ear when the headed stud is in the narrow portion of the slot.

1,481,095. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,914. 2 Claims. (Cl. 188—249.)



2. A transmission band provided with a removable ear formed with slots having enlarged ends and provided at one end with a spring plate projecting beyond the end of the ear and having a depending lip, and a band provided with headed studs to fit in the slots of the ear and formed with a slot to receive the lip of the spring plate.

1,481,096. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 9, 1923. Serial No. 624,011. 4 Claims. (Cl. 188—249.)



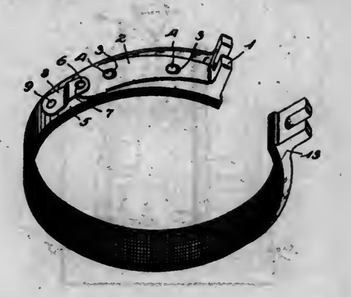
4. An ear for a transmission band having an upwardly extending end formed with a stem projecting from one face to receive a spring and having a socket formed in the other face to receive the end of an adjusting screw.

1,481,097. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 19, 1923. Serial No. 626,086. 4 Claims. (Cl. 188—249.)



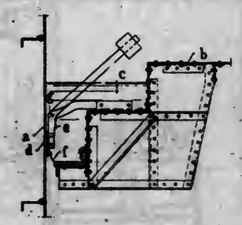
3. A transmission band provided with ears having out-turned ends formed on their adjacent faces with projecting stems adapted to receive an expansion spring, and with means on their other faces adapted to receive band contracting means.

1,481,098. TRANSMISSION BAND. GLENN R. HOFFMAN, Springfield, Ill., assignor to Hoffman Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Oct. 10, 1923. Serial No. 667,751. 6 Claims. (Cl. 188—249.)



5. A removable ear for transmission bands formed with an opening to receive a stud attached to the band, and a resilient locking means attached to the band adjacent to the rear end of the ear to overlap the end of the ear and exert a downward pressure thereon.

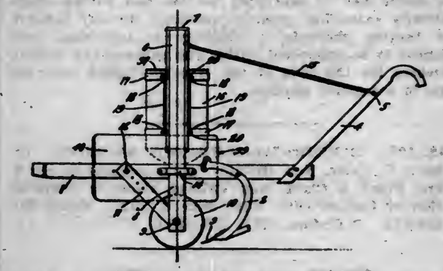
1,481,099. SEALING MEANS FOR GAS HOLDERS. KONRAD JAGSCHITZ, Mains, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Nuremberg, Bavaria, Germany, a Corporation of Germany. Filed Apr. 19, 1921. Serial No. 462,739. 3 Claims. (Cl. 48—176.)



1. The combination of a gas holder, a closure member movable therein, an annular peripheral trough carried by said closure member and slidable along the inner surface of said gas holder, said trough being adapted to contain a sealing fluid, a sealing member impervious to liquids located in said trough and slidable along said inner surface of said gas holder, a packing supporting member having its inner edge connected with said closure member in a fluid-tight manner and its outer edge connected with said sealing member in a fluid-tight manner, and mechanical means carried by said closure member and exerting a force in a direction solely transverse to the direction of movement of said closure member for automatically pressing said sealing member into close contact with said inner surface of the gas holder to thereby provide a fluid-tight joint without obstructing the sliding movements of said sealing member.

1,481,100. POISON DISTRIBUTOR. ROSSER GIBSON KILLINGSWORTH, McCormick, S. C. Filed Sept. 26, 1922. Serial No. 590,702. 6 Claims. (Cl. 43—145.)

1. In a device of the class described, a frame; a post mounted on the frame for vertical movement; a ground wheel on the lower end of the post; a receptacle located at one side of the post and carried thereby; an agitator



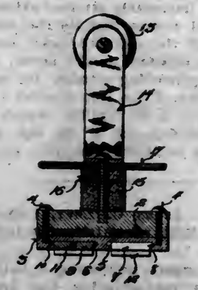
in the receptacle; and means for connecting the agitator operatively with the ground wheel.

1,481,101. AUTO SIGNALING DEVICE. LEON KOWALAK, Buffalo, N. Y. Filed Feb. 14, 1918. Serial No. 217,276. 1 Claim. (Cl. 177—329.)



As an article of manufacture, an auto signaling box adapted for the reception of lamps, comprising a shell having a flat face with apertures forming signal characters, two opposite side faces, a bottom apertured face, for the reception of a lamp, and a top curved face, a plate fitting the open side of said shell, with means for attaching said plate to said shell, said plate having integral therewith, in its central portion, a square box having vertical and horizontal sides, the two vertical sides extending below the lower of the horizontal side, two inclined walls projecting divergently from the upper corners of said square box, the sides of said box and the said inclined walls dividing said shell into lamp compartments, a reflector hood mounted upon the under side of said shell, and means for attaching a name or number plate to the rear of said hood, upon said first mentioned plate.

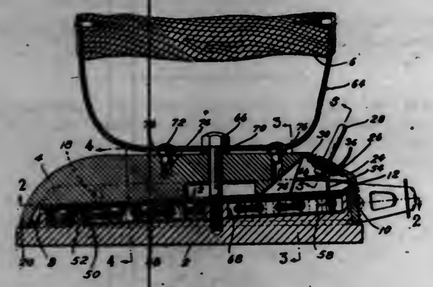
1,481,102. BRANDING IRON. WILLIAM C. KRAUSE, Milwaukee, Wis. Filed May 7, 1923. Serial No. 637,071. 4 Claims. (Cl. 101—27.)



1. A branding machine comprising a channeled body portion, heating elements positioned within the channels

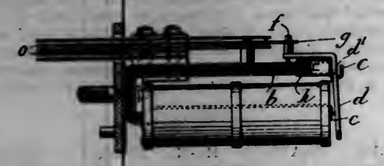
of said body portion, means for exerting pressure upon the upper side of said body portion, a platen secured to the under side of said body portion and having longitudinally extending grooves positioned directly beneath the heating elements, a plurality of individual type adapted to be assembled within the grooves and locking members for the ends of the type to thereby hold the type in assembled position.

1,481,103. ELECTRICALLY-HEATED SADIRON. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed June 6, 1922. Serial No. 566,272. 7 Claims. (Cl. 219—25.)



1. A sad iron having, in combination, a base part having an upwardly extending marginal flange spaced from the edge thereof, a top part covering the flange and having a depending lip surrounding and spaced from the flange and engaging the margin of the base part with its lower edge bevelled inwardly and upwardly from said margin, an electrical heating element interposed between the top and base parts within said flange, and means for detachably securing the top and base parts together.

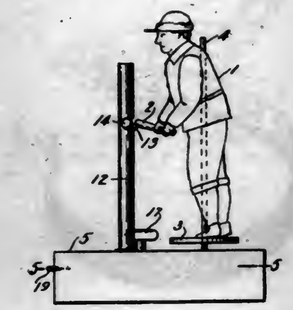
1,481,104. ELECTROMAGNETIC RELAY. THOMAS LERAGHAN, Croydon, England. Filed July 7, 1921. Serial No. 482,982. 5 Claims. (Cl. 175—336.)



1. An electromagnetic relay, comprising a coil, a core therein having an immovable external extension arranged parallel to the coil and so that its free end is adjacent to the free end of the coil and hence occupies a constant position in relation to the latter, a knife-edged armature and a supporting member for such armature entirely independent of the coil adapted to fit frictionally tight upon and to be forcibly moved into different positions along the free end of the core extension said member being thus self-holding on such extension.

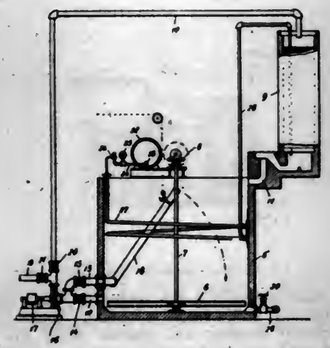
1,481,105. TOY. JULES G. LEVY, Cedarhurst, N. Y. Filed Sept. 12, 1921. Serial No. 500,103. 11 Claims. (Cl. 46—61.)

1. In a toy, a figure simulating a ball player holding a bat, means for swinging the figure and bat through a ball striking position, and a ball holder having an opening through which the extremity of the bat may be swung to engage and propel a ball, said holder being adapted to contain a vertical series of balls with



the lowermost ball held in said opening whereby balls will be fed successively from the vertical series into position to be engaged by the bat.

1,481,106. PREPARATION OF LIQUID-BLEACH SOLUTIONS. JAMES H. MACMAHON, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Sept. 20, 1922. Serial No. 589,328. 8 Claims. (Cl. 23—18.)

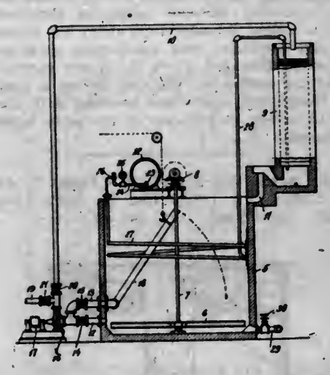


1. The method of preparing bleach solutions by subjecting an alkaline solution to the action of chlorine, which comprises vaporizing liquid chlorine by heat exchange relation with a body of the alkaline solution and causing the gaseous chlorine to contact with another body in which a large surface of the solution is exposed to the gas.

1,481,107. LIQUID-BLEACH APPARATUS. JAMES H. MACMAHON, Niagara Falls, N. Y., assignor to Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Original application filed Sept. 20, 1922, Serial No. 589,328. Divided and this application filed Sept. 21, 1923. Serial No. 664,031. 6 Claims. (Cl. 23—18.)

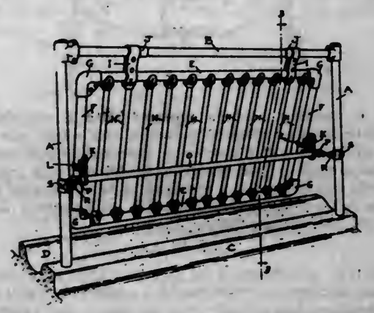
1. An apparatus for vaporising liqefied gas and for absorbing the vaporized gas in a liquid, comprising a container for the liquid, a source of liquefied gas, means

for passing the liquefied gas in heat-interchanging relation with the liquid in said container to vaporise the



gas, a tower, means for introducing the vaporized gas into the tower, and means for circulating the liquid from the container to the tower.

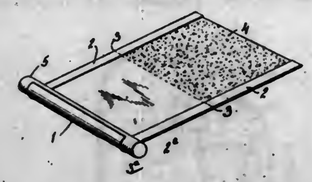
1,481,108. ANIMAL PEN. ALBERT H. NELLER, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a Corporation of Iowa. Filed July 30, 1923. Serial No. 654,744. 4 Claims. (Cl. 119—63.)



4. In a panel for animal pens having at each end an upright post connected together at their upper ends by a top rail, a movable section located between said posts and hinged at its upper side to said top rail, a pair of connecting members having vertically disposed openings therein, said connecting members being adjustably attached to the movable section near the ends thereof. An elongated horizontally disposed operating member placed in the openings in the connecting members, laterally disposed arms secured to the ends of the operating member outside of the connecting members, and pivots adjustably secured to the end posts adjacent to said arms, and in line with the operating member, and the outer ends of said arms being pivoted thereon, substantially as and for the purpose set forth.

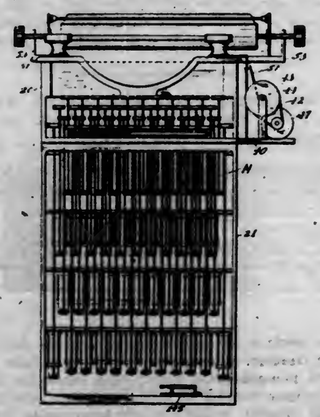
1,481,109. HAIR-WAVING APPLIANCE AND METHOD OF USING THE SAME. CHARLES NESSLER, New York, N. Y., assignor to Nestle Patent Holding Co. Inc., Hornell, N. Y., a Corporation of New York. Filed Feb. 12, 1923. Serial No. 618,657. 13 Claims. (Cl. 132—31.)

1. In a hair-waving appliance of the class described, means provided with media of hair treating substance and also media of fatty or oily material, said parts being constructed and arranged so that the said fatty



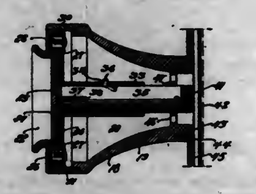
material is disposed between said hair treating substance and the wound-hair when applied to the same in the hair-waving operation.

1,481,110. AUTOMATIC TYPEWRITER. GILBERT A. POND, Evanston, Ill., assignor to Pond Electric Writer, Chicago, Ill., a Corporation of Illinois. Filed Sept. 11, 1919. Serial No. 323,195. 58 Claims. (Cl. 197—20.)



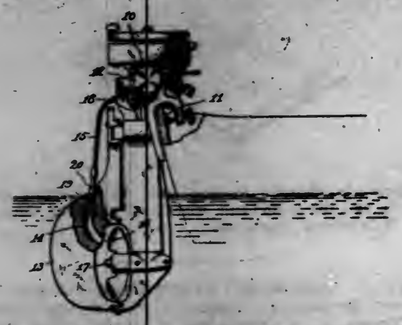
1. In a device of the class described, the combination of a feeding roller for receiving a perforated record strip, a motor, gearing continuously connecting said roller with said motor, a switch for controlling the operation of said motor, a first electromagnet for moving said switch to its closed position, and a second electromagnet for moving said switch to its open position.

1,481,111. TELEPHONE-TRANSMITTER CONSTRUCTION. THEODORE F. ROSE, Jr., Collingswood, N. J. Filed June 30, 1921. Serial No. 481,497. 6 Claims. (Cl. 179—188.)



1. A device of the character described including a sleeve having a helical slot; a silencing plunger having a portion engaging in said slot; and means for effecting a rotatable movement to said plunger whereby said portion will follow said slot and the plunger will be moved lengthwise.

1,481,112. COOLING DEVICE FOR MARINE ENGINES. RUDOLPH TORNOW, Boscoville, Mo. Filed Oct. 6, 1922. Serial No. 667,036. 4 Claims. (Cl. 115—17.)



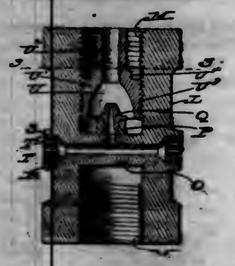
1. A cooling device for outboard marine engines comprising a rudder provided with a water-intake having its mouth adjacent to and to the rear of the boat propeller, and a flexible pipe connection between the discharge end of said intake and the water jacket of the engine.

1,481,113. ELECTRIC HEATER. LOREN S. WELLS, New York, N. Y. Filed Apr. 10, 1922. Serial No. 550,996. 4 Claims. (Cl. 219—64.)



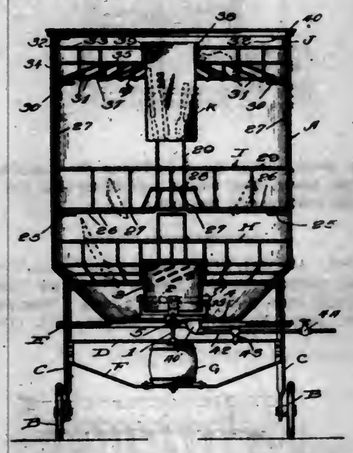
1. An electric heater comprising a body having a resistance conductor embedded therein, said body being an electrical non-conductor and a heat conductor not liable to injury from contact of water, moisture, snow, and ice, the ends of said resistance conductor being within the body, and insulated conductors having bare ends embedded within said body, said bare ends being connected with the corresponding ends of the resistance conductor within the body and the junctions embedded therein.

1,481,114. OIL-WELL APPARATUS. THEODORE J. ASHBY, Perryville, Ark. Filed Oct. 30, 1922. Serial No. 597,854. 1 Claim. (Cl. 103—232.)



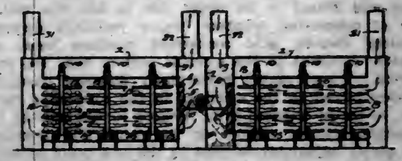
An oil apparatus consisting of a casing adapted to be submerged in the well, means for supplying gas or air under pressure to said casing to act upon the body of liquid, a pipe disposed in said casing having a discharge element, a series of main injector and ejector nozzles connecting the end of said pipe to act successively to lift and force the liquid through the main pipe to the discharge thereof, said nozzle members consisting each of an interiorly threaded coupling sleeve, of cylindrical form, a horizontal tube arranged intermediate of said tube having each end leading to a threaded flaring outlet, having an upward extending threaded nipple, a threaded nozzle fitting said nipple, threaded caps fitting the threaded outlets of said horizontal tube and having openings, a discharge nozzle arranged above the nozzle carried by the nipple of the horizontal tube and having a cupped portion to receive said nozzle and provided with threads on its rim to engage the threads of the main injector and ejector nozzles.

1,481,115. WASHING MACHINE. JAMES T. ANTHONY, New York, N. Y. Filed Oct. 19, 1922. Serial No. 595,560. 10 Claims. (Cl. 141—9.)



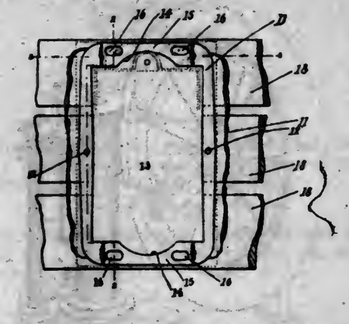
1. A washing machine provided with a container, a rotative impeller adapted to throw the water upwardly into said container, a distributor surrounding said impeller and supported by said container, said distributor being interiorly provided with a plurality of fins extending at an angle to the body of the distributor, substantially as and for the purpose set forth.

1,481,116. MACHINE FOR DRYING AND CONDITIONING MATERIAL. ELWOOD B. AYRES and THOMAS H. RHOADS, Philadelphia, Pa., assignors to Proctor & Schwartz, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,765. 7 Claims. (Cl. 34—46.)



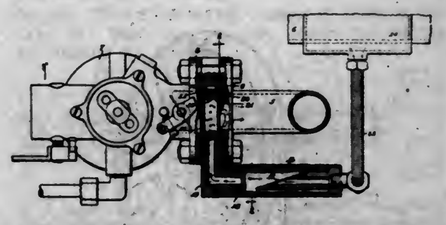
1. The combination in a machine for drying and conditioning material, of a casing; a longitudinal partition dividing the casing into two sections; a longitudinal partition in each section having fan openings; fans in said openings; means for driving the fans; horizontal partitions extending part way across the upper portion of each section and another horizontal partition extending part way across the sections near the lower ends thereof so as to cause the air to circulate; a series of rails extending longitudinally in each section; carriers suspended from the rails, said carriers having arms; and cylinders, mounted on the arms, carrying the material to be dried and conditioned.

1,481,117. REINFORCING PLATE AND TEMPLATE FOR SWITCH BOXES. EGAR-HADDON BALL, St. Paul, Minn. Filed Aug. 16, 1920. Serial No. 404,002. 2 Claims. (Cl. 247—21.)



1. The combination with a switch box adapted to be projected into an opening in a wall, said box carrying flanges overlapping the edges of the opening, a template frame secured to the wall around said opening, said template frame being formed with a central opening to receive said switch box, the inner edges of the frame constituting said opening being directed inwardly toward the center of the frame to centrally narrow the width of the opening, for the purpose set forth.

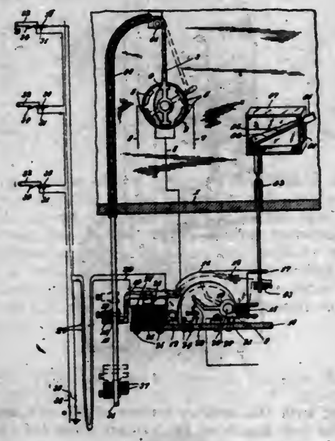
1,481,118. FUEL MIXER. ROBERT L. BENNETT, New York, N. Y. Filed Jan. 17, 1923. Serial No. 613,189. 3 Claims. (Cl. 48—180.)



3. A mixer, including a gasket formed with a channel in its inner face, a cap plate carried by said gasket and having its side walls covering said channel, said side walls being covered with a series of perforations in line with said channel, the head of said cap being formed with a plurality of cutout deflector blades within said cutout portions, a housing in communication with said channel, means for introducing heated air into said housing, a valve co-operating with a valve seat also within said housing, and a screen arranged in advance of said valve.

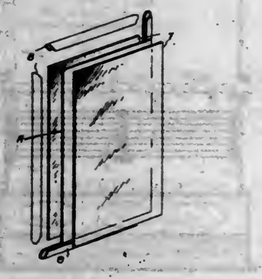
1,481,119. SYSTEM FOR CONTROLLING THE OPERATION OF ELEVATORS. FRANZ A. BOSDICHER, Bergenfield, N. J. Filed May 25, 1920. Serial No. 384,117. 26 Claims. (Cl. 187—31.)

15. In a system of the class described, an elevator car provided with a controller, an electric circuit associated with the car, a switch in the car circuit, mechanical connections between the controller and the switch for automatically effecting the closing of the switch when the controller is in neutral position and the car at rest, a lock associated with the shaft door of each floor of the building in which the elevator is installed, and electrical means controlled by all of said locks for maintaining the car circuit switch in closed condition, when the controller is shifted from neutral position to start the car, provided that all of the locks are in locked condition, in combination with manually operable mechanical emergency means for



temporarily closing said switch to allow of movement of the car, even though the electrical switch maintaining means is ineffective.

1,481,120. IDENTIFICATION CARD AND HOLDER. FRANK BROMBOSZ, Buffalo, N. Y. Filed Oct. 13, 1921. Serial No. 507,539. 2 Claims. (Cl. 40—155.)

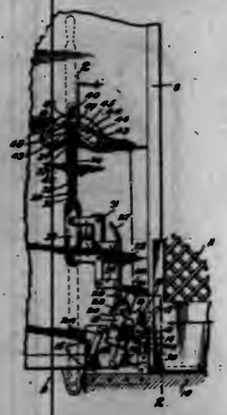


1. A device of the class described consisting of a card, a transparent panel to cover and protect the same, clasp strips of U-shaped form end to end adapted of themselves to secure the card and panel together, said clasp strips being detachably engageable with the card and panel along edges thereof, and said clasp strips being of a length whereby one end of a strip at each corner of the device will slip over the adjacent corner of the adjacent strip.

1,481,121. ENTER LOCK FOR ELEVATORS. EDWIN CARLSON, Minneapolis, Minn. Filed Aug. 30, 1922. Serial No. 585,297. 21 Claims. (Cl. 187—49.)

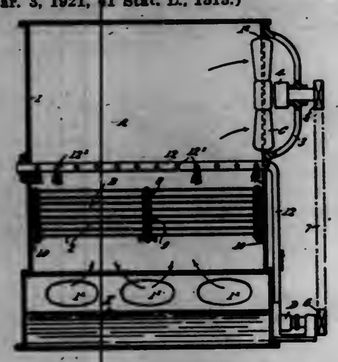
9. In a lock of the kind described, the combination with an elevator car having an operating lever and a shaft closure gate, of a rocker operated by the movement of the gate, a ratchet, a lock dog having an offset striking surface, said lock dog being pivoted to the rocker and normally engaging the ratchet to hold the rocker in a position to lock the gate closed, a cam bar carried by

the elevator car, and means for actuating the cam bar from the operating lever to position the same for en-



gagement with the striking surface of the lock dog to release said lock dog from the ratchet when the operating lever is moved to neutral position.

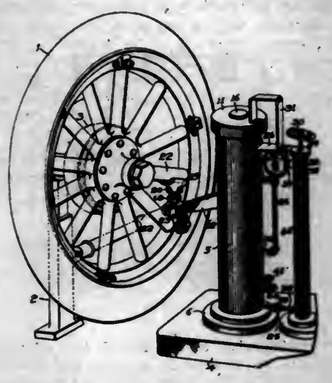
1,481,122. APPARATUS FOR TREATING GASES WITH LIQUIDS. ALFRED B. CLEWORTH, Hollinwood, England. Filed Aug. 6, 1924. Serial No. 401,762. 1 Claim. (Cl. 261—113.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



An apparatus for treating air or gas with liquid comprising walls enclosing a chamber, said chamber being provided with air or gas inlet and outlet openings, means for causing a current of air or gas to traverse said chamber from said inlet to said outlet opening, a screen unit fixed within said chamber and in the path of said air or gas current, said screen unit being formed from a sheet of metal provided with openings, the strips of metal between said openings being inclined to the plane of the face of said sheet in the same direction, and means for distributing liquid upon one face of said sheet.

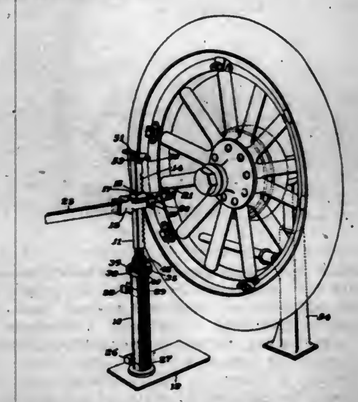
1,481,123. BRAKE TESTER FOR VEHICLE WHEELS. CHARLES F. COWDREY, Fitchburg, Mass. Filed Apr. 6, 1921. Serial No. 458,968. 14 Claims. (Cl. 265—47.)

1. A brake tester for vehicle wheels, comprising, in combination, means for applying force to a wheel of a vehicle sufficient to turn the wheel under brake resistance and while the wheel is relieved from the weight of the vehicle, including a support, means guided by said support to move along a vertical path, mechanism for imparting movement to the guided means, means carried by the guided means to engage the wheel and impart the move-



ment of the guided means thereto, and means for indicating the force exerted upon the wheel when the wheel responds to the turning movement.

1,481,124. BRAKE-TESTING DEVICE FOR VEHICLE WHEELS. CHARLES F. COWDREY, Fitchburg, Mass. Filed Oct. 24, 1922. Serial No. 596,584. 10 Claims. (Cl. 265—1.)

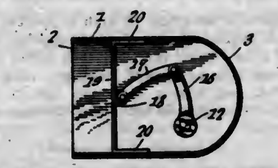


1. A brake tester for testing the brake resistance to the turning movement of vehicle wheels, comprising, in combination, a support, a post mounted upon the support for yielding downward movement, a bracket adjustably mounted upon the post and constructed to be supported thereby at different elevations from the ground, a lever pivotally mounted upon the bracket and operable to exert a turning force upon a wheel to turn the wheel under brake resistance, and means actuated by the yielding downward movement of the post to indicate the force required to effect turning movement of the wheel.

1,481,125. ICE-CREAM DIPPER. STEPHEN CUPER, ANTHONY DANIELS, and FRANK KLENS, Scranton, Pa. Filed Aug. 30, 1922. Serial No. 585,216. 3 Claims. (Cl. 107—48.)

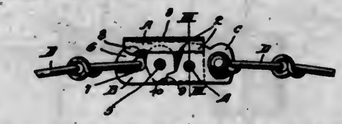
1. The combination with a scoop constituting a mold, and an ejecting follower in the scoop, of a crank arm

mounted to swing within the scoop about an axis extending across the interior of the scoop, a link connection



within the scoop between the crank arm and the follower, a handle, and means movably mounted relative to the handle for actuating the crank arm.

1,481,126. CHAIN COUPLING. DANIEL M. CUPP, Mount Solon, Va. Filed July 7, 1923. Serial No. 650,041. 4 Claims. (Cl. 24—242.)



1. In a coupling, the combination of an intermediate supporting member, a hook pivoted to one end thereof, and a link pivoted to the other end, the inner heel ends of the said hook and link members being arranged to come into engagement and serve as abutments to hold these parts in line, when the coupling is in working position, and said hook and link members being arranged to have attached to them respectively the ends of the members the coupling unites.

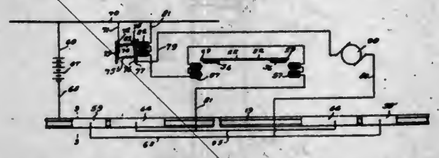
1,481,127. PRINT MACHINE. HENRY H. DOERING, Chicago, Ill. Filed Aug. 15, 1921. Serial No. 492,252. 13 Claims. (Cl. 31—65.)



1. A machine of the character described, comprising a butter-receiving housing having screw-worm receiving grooves and a butter-introducing opening in the top, the top wall of the housing being formed in vertically disposed sections, the bottoms whereof have surfaces conforming with the grooves in the bottom of the housing to subject the butter passing therethrough to pressure, said sections being removably secured in place in order that the length of the pressure-applying portions of the housing may be regulated, means whereby said sections may be held in place against movement, a chambered moulding head secured to the delivery end of said housing, and means whereby a heating medium may be circulated through the chamber of said head.

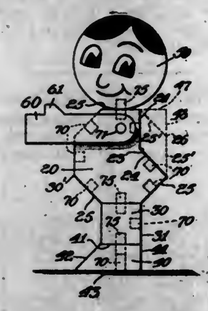
8. A machine of the character described, comprising a butter working portion provided with a moulding-head whereby the butter is formed into strips or ribbons of predetermined compactness and rectangular in cross section, in combination with cutting mechanism disposed beyond the discharge end of said moulding-head, said cutting mechanism comprising rotatably mounted means provided with a plurality of cutting wires disposed transversely, and an endless element provided with a plurality of prongs or fingers arranged at predetermined distances apart commensurate with the distance intermediate of the cutting wires of said mechanism, said prongs or fingers being adapted to engage with said rotatably mounted means whereby the latter is caused to rotate when said endless element is actuated through the movement of the ribbon or strip of butter issuing from the moulding-head.

1,481,128. MINE-DOOR-OPERATING APPARATUS. HARRY FRANK and JOHN LEWIS, Fork Ridge, Tenn. Filed Apr. 13, 1922. Serial No. 552,119. 5 Claims. (Cl. 246—125.)



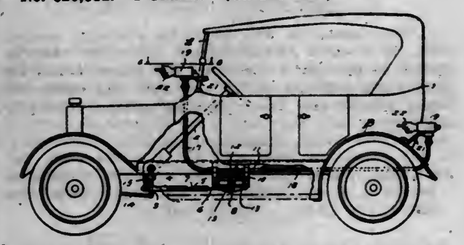
1. In apparatus of the character described, a track, a mine door extending across the track and adapted to be shifted to opened and closed positions, electrical means to move the door to the opened position including a car wheel completed circuit closed at one point by the passage of a train, and electrical means including a car wheel completed circuit closed at another point by the passage of the train to open the first circuit and hold the door in the opened position.

1,481,129. TOY. GEORGE W. FRENCH, Chicago, Ill. Filed Feb. 12, 1921. Serial No. 444,315. 3 Claims. (Cl. 46—40.)



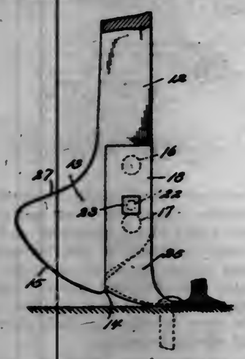
1. A toy figure including a body part substantially octagonal in shape with two adjacent sides forming a reentrant angle and a detachable leg part adapted for attachment to the body part in a plurality of positions.

1,481,130. DIRECTION VEHICLE SIGNAL. JAMES R. GIDDENS, Jr., Mobile, Ala. Filed Feb. 23, 1923. Serial No. 620,682. 4 Claims. (Cl. 116—46.)



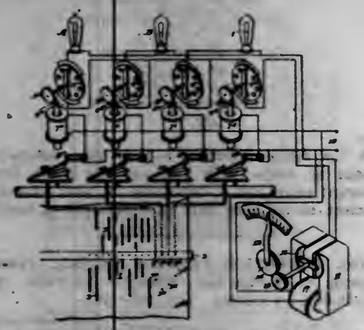
1. Traffic signal means for motor vehicles comprising similar front and rear signal devices each including a casing, a direction indicator carried by the casing, a lamp within the casing for illuminating the indicator, a crank arm having a limited sliding connection with the steering gear for movement therewith, a vertical shaft carrying the crank arm, a longitudinal shaft geared to the vertical shaft, and an independent flexible shaft connection between the longitudinal shaft and the casings of the signal devices to effect simultaneous movement thereof.

1,481,121. SPIKE PULLER. EDWARD FISHER GOSEN, Muskogee, Okla. Filed June 16, 1922. Serial No. 568,753. 3 Claims. (Cl. 254—25.)



1. A spike puller comprising a handle having claws detachably secured to one end thereof, lugs on said claws, said handle having depressions therein corresponding to said lugs whereby the claws may be attached to the handle with a single bolt, and a fulcrum member extending rearwardly from said claws and having a curved fulcrum surface at the end thereof.

1,481,132. METHOD OF AND MEANS FOR ASSOCIATING LIGHT AND MUSIC. MARY HALLOCK GREENEWALT, Philadelphia, Pa. Filed Aug. 30, 1918. Serial No. 252,133. 7 Claims. (Cl. 84—464.)



2. The combination with means for producing musical notes, of a source of illumination, means for effecting changes in the light produced by said source, means for varying the intensity of the said light and means for timing both of said means with the musical notes produced.

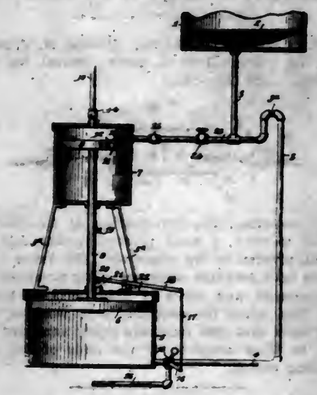
1,481,133. ARCH SUPPORTER. FRANK GROSSMAN, Brooklyn, N. Y. Filed Dec. 19, 1921. Serial No. 523,272. 4 Claims. (Cl. 12—142.)



1. In boots and shoes the combination of an insole formed of a single piece of material, an opening in the shank of said insole to lie beneath the arch of the foot, a resilient pad slightly larger than and protruding through said opening and held in place between the inner and outer soles, both soles lying in contact throughout substantially all their areas save for those parts separated by the pad.

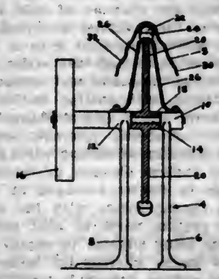
4. The method of securing an arch supporter in a boot or shoe which consists in forming an opening in the inner sole and a cavity in the last, then after the upper, welt and inner sole are sewed together, placing a pad in the opening, and sewing the outer sole to the welt, the inner sole engaging the outer sole throughout its entire periphery.

1,481,134. HYDRAULIC PUMP. JAMES G. HAMPTON, Lafontaine, Kans. Filed June 26, 1922. Serial No. 570,920. 2 Claims. (Cl. 103—50.)



1. A hydraulic pump comprising, a pair of spaced vertically positioned aligned piston chambers, the upper of less capacity than the lower, a piston head in each chamber, the head in said upper chamber having a passage therethrough, a piston rod connecting said heads, a liquid supply pipe connected to each chamber, a lead-off pipe in said upper chamber, said supply and lead-off pipe entering said upper chamber above the piston head, a three way valve and supply pipe leading to the lower chamber, a drain-off pipe from said valve, said supply pipe entering the lower chamber below the piston head, a spring pressed flap valve upon the top of said upper piston head, and normally closing the passage therethrough, spaced stops upon said piston rod, and pivoted means connected with said three way valve and intermittently operating said valve through the action of said stops.

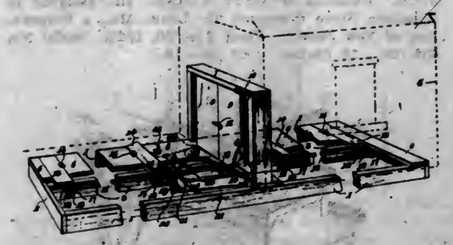
1,481,135. STAKING MACHINE. ALEXANDER H. KEHRHAHN, Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Peabody, Mass., a Corporation of Maine. Filed Aug. 30, 1923. Serial No. 660,232. 4 Claims. (Cl. 149—15.)



4. In a machine of the character described, a rotatable wheel, and a plurality of blades mounted on the periphery

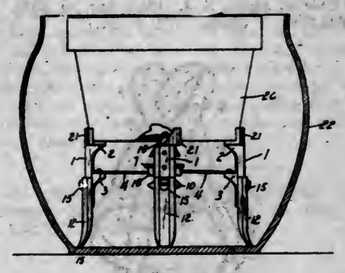
of the wheel and having working edges pointing in a direction parallel to the axis of the wheel, said blades projecting laterally from each side face of the wheel, and a stationary guard member having an upper curved edge just below the lower edges of the blades and adapted to support the hand of the operator employed in pressing the work against said working edges of the blades.

1,481,136. AUTOMATIC GATE OR DOOR. JOHN KOSTIL, Ashley, Pa. Filed Dec. 19, 1922. Serial No. 607,809. 2 Claims. (Cl. 268—9.)



1. In automatic door opening and closing mechanism, a base frame, hinged doors mounted thereon, trip devices carried by the base frame, operative connections between the trip devices and hinged doors, said operative connections including a rod longitudinally shiftable on the base frame, bell-crank levers, each positioned beneath a trip device, pivotally mounted on the base frame and connected to said trip devices, rod levers hinged to the base frame and slidably associated with said rod, and operative connections between said levers and hinged doors.

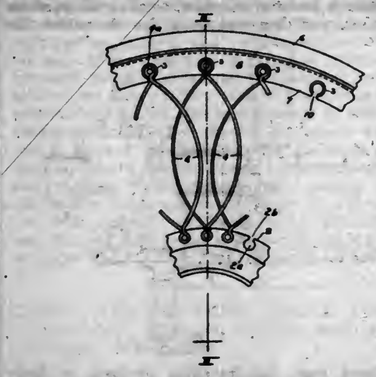
1,481,137. SUPPORT FOR FLOWERPOTS. FRED B. LEMKE, Milwaukee, and CHARLES R. DRAEGER, Waukesha, Wis.; said Draeger assignor to said Lemke. Filed June 18, 1921. Serial No. 477,201. 3 Claims. (Cl. 248—41.)



1. A support for flower pots having a hole in the bottom thereof, said support comprising a plurality of members for adjustably engaging the sides and bottom of said flower pot, legs adjustably related to said members for varying the height of said support, and a spring-pressed stopper for closing the hole in the bottom of said flower pot.

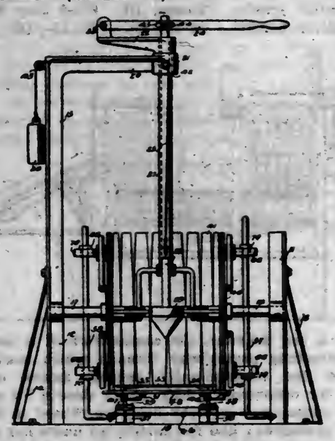
1,481,138. RESILIENT WHEEL. JOSEPH L. LUCE and RAYMOND P. LUCE, Belle Vernon, Pa. Filed Mar. 7, 1923. Serial No. 623,863. 4 Claims. (Cl. 152—50.)

1. In a resilient wheel of the character described, the combination with a socketed hub, of an outer annular rim having inwardly extending flanges each provided with annular series of inwardly open circular sockets, inward-



ly open cylindrical bearing thimbles in said sockets, and corresponding series of spokes having rounded terminals seated in said thimbles.

1,481,139. BARREL-MAKING MACHINE. ROBERT J. MCCLENNY, East Palatka, and DAVID B. BARDIN, Palatka, Fla. Filed June 20, 1922. Serial No. 569,694. 11 Claims. (Cl. 147—3.)

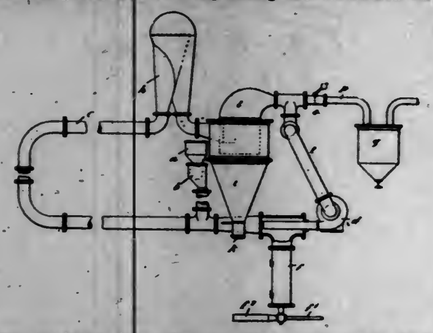


1. A machine for making barrels from staves, comprising means for supporting the staves in barrel formation, means for forcing the ends of the barrel staves inward to receive hoops, means for engaging the barrel staves along circumferential lines extending transversely of the middle parts of the staves to retain them in position while the ends are being pressed inward; and a balanced cone for operating the means for engaging the barrel staves along the circumferential lines.

1,481,140. METHOD OF AND APPARATUS FOR CARBONIZATION OR DESTRUCTIVE DISTILLATION. SAMUEL MCEWEN, London, England. Filed June 16, 1920. Serial No. 389,399. 5 Claims. (Cl. 202—8.)

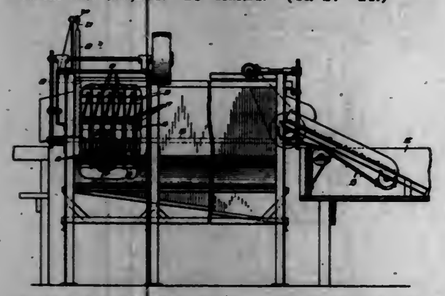
5. A process of carbonizing finely subdivided fuel consisting in suspending the finely sub-divided fuel in a gas at a temperature necessary for carbonization of the fuel, which process consists in removing a portion of the gases from the carbonising chamber, burning the said portion in close proximity to the zone of carbonization, introducing the hot products of combustion into the said zone

so that they travel in such manner as to delay the settling of the particles by gravitation and in such a manner that there is reactive movement between the particles and the gases, and then separating the carbonised fuel



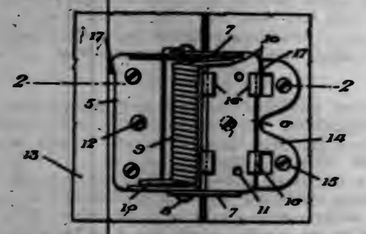
thus produced from the travelling products in finely subdivided state and causing the said products to continue to travel in a closed circuit to receive fresh fuel, the condensible products of carbonization being removed from the apparatus.

1,481,141. HOG DEHAIRER AND METHOD OF DEHAIRING HOGS. GEORGE W. MARTIN, Chicago, Ill., assignor, by direct and mesne assignments, to Charles L. Byron, trustee, Chicago, Ill. Filed July 9, 1923. Serial No. 650,214. 18 Claims. (Cl. 17—16.)



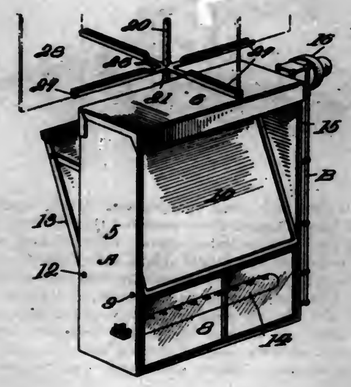
1. In a hog dehairer, the combination of a longitudinally extending passageway through which hogs to be dehaired are longitudinally passed, means operable therein for removing the hair, and a closure for one end of said passageway whereby hogs are caused to be piled in said passageway and for holding an under hog against said means for substantially dehairing said hog.

1,481,142. DEMOUNTABLE HINGE. CALVIN J. MINTON and CHARLES H. HOLMES, Gage, Okla. Filed Apr. 5, 1920. Serial No. 371,327. 2 Claims. (Cl. 16—149.)



1. A demountable right and left hand hinge comprising a pair of leaves having outstanding ears at their upper and lower ends overlapping and hingedly connected, each leaf being flat and having apertures for securing it to a door so that either leaf can be secured flatly against the door with the leaves in the same upright position, and a keeper having outstruck lugs projecting toward one another for slidably receiving the edge portions of said leaves, said keeper being reversible for use at either side of the door frame and to receive either leaf, and the ears of said leaves at one end being located between and spaced from the edges of the leaves in order to pass between said lugs.

1,481,143. DEMONSTRATING OR ADVERTISING DEVICE. CHARLES MUNZNER, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,759. 11 Claims. (Cl. 35—16.)



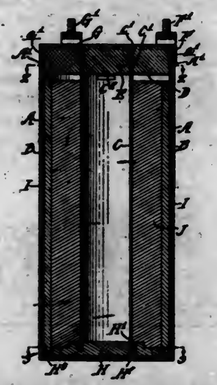
1. A demonstrating or advertising device for fuel regulators or the like, comprising a housing having a burner therein, a fuel regulator for the burner, and means to automatically periodically cool the housing.

1,481,144. LIFE-SAVING BELT OR PRESERVER. ALBERT PASTOR, Alpha, N. J. Filed Apr. 30, 1923. Serial No. 635,578. 1 Claim. (Cl. 9—17.)



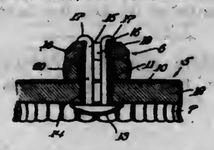
In a life belt or preserver, a series of independent air compartments adapted for engaging the shoulders and waist of the user, a filler stem for one compartment, means of communication therefrom to the remaining compartment, and means for securing said compartments to the user, said compartments each consisting of a tube member, a flexible reinforcing layer formed from a spirally wound strand of wire encircling said tube, and a casing enclosing said reinforcing layer.

1,481,145. ELECTRIC BATTERY. DAVID PEPPER, Philadelphia, Pa. Filed Aug. 7, 1922. Serial No. 580,071. 8 Claims. (Cl. 204—53.)



7. An electric battery having a cup shaped container, an inner electrode of tubular form having a closed bottom, unperforated side walls extending from the closed bottom to a point above the level of the electrolyte, and an opening in its upper portion located below the sealing plug and above the level of the electrolyte, a sealing plug surrounding the upper end of the tubular electrode and fitting in the top of the container and an electrolyte contained in the space between the container and tubular electrode.

1,481,146. MEANS FOR DECANTING LIQUIDS. GEORGE ELLIOT PERRY, Chicago, Ill. Filed May 16, 1921. Serial No. 470,066. 3 Claims. (Cl. 215—74.)



1. A closure for a bottle comprising a perforated cap having a skirt for extending around the neck of the bottle; means associated with said skirt to hold the cap sealed on a bottle; a valve for normally closing said perforation, having a stem extending therethru; a yielding disk inside the cap to provide a seat for a bottle mouth and for said valve, and a yielding disk outside the cap associated with the valve stem and said cap to yieldingly hold the valve on its seat.

1,481,147. WATERPROOF LABEL HOLDER. CAROLINE L. PIERCE, Miami, Fla. Filed Apr. 19, 1923. Serial No. 633,167. 1 Claim. (Cl. 40—10.)



A holder for the purpose set forth comprising a rectangular body portion having its lower end formed with an inturned flange and each of its sides provided with an inturned flange, a tapering breast portion integral with the top of said body portion and having each side thereof provided with an inturned flange, a rectangular neck portion integral with said breast portion and having each of its sides and its free end provided with an inturned flange, an indicia carrying means positioned against the forward face of said body, breast and neck portions and having its edges inclosed by said flanges, a transparent protecting member positioned against said indicia carryng means and having its edges inclosed by said flanges and further having its outer face overlapped and engaged by said flanges, said member and means conforming in contour to the shape of said body, breast and neck portions, said neck portion provided with an opening, and said means and member having registering openings aligning with the opening in said neck portion.

1,481,148. HOOKED FORK. FRED A. PREUSS, Humphrey, Nebr. Filed Dec. 5, 1922. Serial No. 605,038. 1 Claim. (Cl. 55—10.)



An implement of the character described comprising a channel-shaped bar having openings in its flanges, and prongs inserted longitudinally in said openings and having oblique surfaces to bear and bind against the web of the bar between said flanges, said prongs having portions bearing against one flange to hold said surfaces of the prongs tightly against said web.

1,481,149. REPAIRING OR ASSEMBLING METAL POLES. WALTER J. QUINN, New York, N. Y. Filed May 12, 1922. Serial No. 560,418. 9 Claims. (Cl. 29—155.)



1. The method of assembling hollow metallic poles comprising the steps of applying a slotted external tubular member over an internal tubular member and welding the two together along the slotted portion to contract the outer member upon the inner member and integrally unite the same.

7. A pole construction unit comprising an inner section and an outer section, the latter having a slotted portion

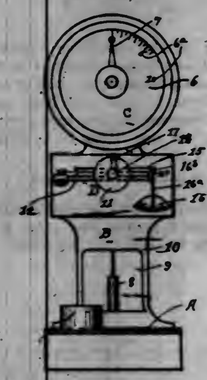
of a diameter enabling it to slip over the inner section to which it is to be applied, the two sections being welded together along the lines of said slots.

1,481,150. CAST-METAL ANNEALING BOX. EMIL C. RAUSCHENBERG, Wheeling, W. Va., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Filed Dec. 28, 1922. Serial No. 609,416. 6 Claims. (Cl. 263—49.)



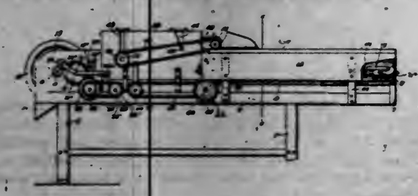
1. A cast metal annealing box having an external continuous rib extending around its sides and ends, said rib having a zig-zag shape.

1,481,151. SCALE. JOHN J. REDDICK and ROY CHAPMAN, Los Angeles, Calif., assignors to William W. Colwell, Los Angeles, Calif. Filed July 16, 1919. Serial No. 311,133. 4 Claims. (Cl. 265—57.)



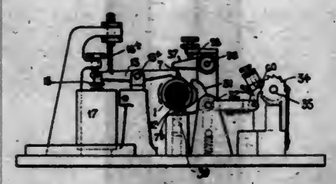
1. The combination with a scale having automatic counterbalancing means, of a dial and pointer indicating the weight, a fixed index arranged adjacent to said dial, a rotary supplemental dial with indicia thereon co-operating with said fixed index to show the number or mass of similar articles on the scale, and means for operating said supplemental dial by the weighting mechanism of the scale.

1,481,152. FORCE-FEED CUTTING MECHANISM. HERMAN REHBEIN, Mishicot, Wis. Filed Aug. 27, 1921. Serial No. 496,143. 14 Claims. (Cl. 198—164.)



1. A device of the class described comprising a support, a feed table and flare boards attached thereto mounted on said support and endless conveying chains operable over the feed table and flare boards for conveying material to a cutting mechanism.

1,481,153. MEANS FOR PRODUCING A PERFORATED TAPE BY ELECTRIC-CURRENT IMPULSES. GUNNER JULIUS JOHANNES ROSENDAHL, Newcastle-on-Tyne, England. Filed Apr. 10, 1922. Serial No. 551,280. 4 Claims. (Cl. 164—113.)



1. In a device of the character described the combination of punches adapted to produce series of perforations in an associated tape, a continuously rotating shaft, two clutches mounted in series on said shaft, an electromagnetic device energized by impulses of one polarity adapted to control one of said clutches, a second electro-magnetic device energized by impulses of opposite polarity adapted to control the other clutch, means for normally restraining said clutches against rotation with the shaft, means for rendering the clutches operative to rotate with said shaft upon energization of the respective electro-magnetic device, tape feeding means, a third clutch also mounted on said shaft for controlling said tape feeding means, means for normally connecting said clutch operatively with the shaft to feed the tape and means for stopping said feed during the operation of the first two mentioned clutches.

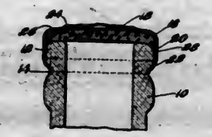
1,481,154. MEANS FOR LAUNCHING LIFEBOATS. ANDRIES P. SCHAT, The Hague, Netherlands. Filed Feb. 8, 1921. Serial No. 442,032. 11 Claims. (Cl. 9—22.)



1. In a device of the character described, the combination with a davit having a top block over which the boatfall is led, of an independent flexible member with said block suspended therefrom; and mechanism indirectly associated with the davit, to which mechanism said

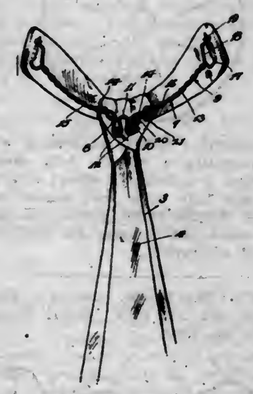
flexible member is secured, said mechanism being adapted to be operated by the tension in the flexible member, whereby the tensional force applied to said mechanism is proportionate to the weight of the suspended load.

1,481,155. BOTTLE CLOSURE. FREDERICK G. SHULL, New Haven, Conn., assignor to Aluminum Seal Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1922. Serial No. 601,273. 2 Claims. (Cl. 215—38.)



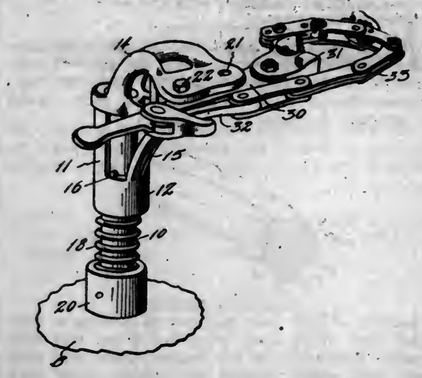
1. The combination with a receptacle of glass or similar material provided with an annular bead adjacent the mouth, of inner and outer sealing capsules of thin sheet material, the outer capsule having a rupturing tongue and a sealing flange of sufficient depth to extend completely about the bead and be forced into a recess at the bottom thereof and the inner capsule having a straight sided annular flange of less depth fitting substantially closely about the bead and terminating short of the lower edge of the outer sealing flange, whereby the inner capsule is held onto the bottle irrespective of whether the outer capsule is applied or removed from the bottle, and a sealing disk of compressible material received and fitting within the inner capsule and compressed thereby against the edge of the bead surrounding the month of the receptacle.

1,481,156. NECKTIE HOLDER. GILES H. SLOCUM, Baldwinsville, N. Y. Filed Dec. 19, 1922. Serial No. 607,885. 6 Claims. (Cl. 24—54.)



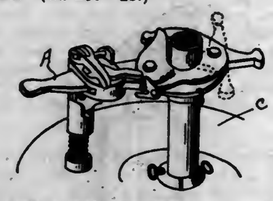
3. A neck tie holder comprising a wire strand formed at its intermediate portion for engagement with a collar button and having strand portions extending in opposite directions from its said intermediate portion, other wire strands intertwisted with the said strand portions and providing, in connection therewith, arms, the outer extremities of the strands of each arm being formed one to provide a piercing pin and the other to provide a keeper for said pin.

1,481,157. ROTARY WRENCH CARRIAGE. NELSON K. SMITH, Dallas, Tex., assignor of one-half to George W. Hoffman, Houston, Tex. Filed Sept. 30, 1921. Serial No. 504,452. 17 Claims. (Cl. 255—23.)



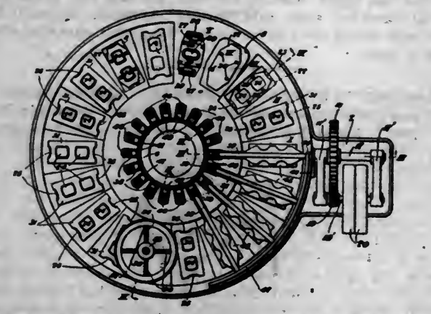
1. In a rotary well carriage, the combination of a post, a carriage member slidable vertically on the post and resiliently sustained, and means for mounting a pipe wrench on the carriage member.

1,481,158. WRENCH CARRIAGE. NELSON K. SMITH, Dallas, Tex. Filed Sept. 5, 1922. Serial No. 586,121. 11 Claims. (Cl. 255—23.)



1. In a rotary well carriage, the combination of a post, a carriage member slidable vertically on the post and resiliently sustained, means for fastening a pipe wrench to the carriage member, and a latch for holding the fastening means.

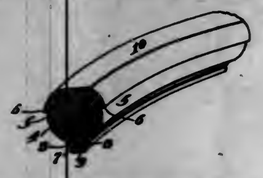
1,481,159. MACHINE FOR MAKING BUILDING BLOCKS. FRANCIS J. STRAUB, New Kensington, Pa., assignor to Crozier-Straub, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 30, 1920. Serial No. 427,288. 8 Claims. (Cl. 25—65.)



1. A block pressing machine comprising a continuous traveling mold carrier, molds secured thereon and stationary with relation thereto, bottom members for the molds slidable in the molds, pivotally supported covers for the molds movable with relation thereto, and means

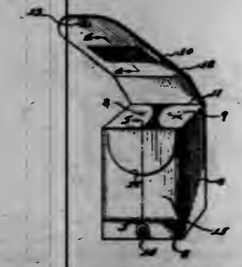
for moving the bottom members and covers in proper sequence to effect the steps of filling, pressing, and ejecting, said cover moving means including the continuous cam track and a roller engaging in said track, which roller is operatively connected with the cover.

1,481,160. HYDRAULIC PACKING. ELMER E. SWITZER, Beaumont, Tex., assignor, by direct and mesne assignments, to Switzer Packing Company, Beaumont, Tex., a Corporation of Texas. Filed Jan. 31, 1922. Serial No. 533,094. 1 Claim. (Cl. 288—1.)



A packing of the class described comprising a body provided with an integral, projecting flange, said body and flange provided with flat bearing edges, said body between said edges provided on opposite sides with outwardly extending flanges from the body, and said projecting flange provided on its sides with longitudinally-extending grooves.

1,481,161. CIGARETTE CASE. DAVID B. TASLER, Chicago, Ill. Filed Oct. 1, 1921. Serial No. 504,559. 1 Claim. (Cl. 206—38.)



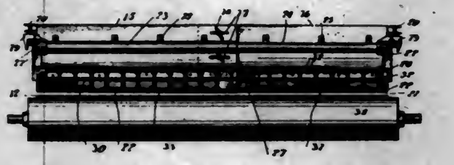
In a cigarette case, a body including sides and edges, an extension flap formed along the upper edge of one of said sides and folded downwardly to engage the side, said extension flap being stitched to the side against which it engages for forming a match carrying pocket, said extension flap being cut in semicircle to permit access to the interior of the pocket and form a closure for the opening in the pocket, a closing extension for the case formed upon the upper edge of the side opposite the extension flap carrying side, said closure extension adapted to extend across one end and along the pocket carrying side of a case.

1,481,162. AUTOMOBILE SIGNAL. EDWARD THEMAK and JOHN VITAGLIONE, New York, N. Y. Filed Apr. 18, 1922. Serial No. 554,880. 2 Claims. (Cl. 116—45.)



1. In a signal, a cylindrical casing having a window therein, a translucent plate positioned adjacent said window, a supporting member at each end of said casing and pivotally mounted therein, a signal secured to the outer ends of said supporting members and normally in an unexposed position and movable into an exposed position between said window and plate, a pinion on one of the pivots of said members, a gear wheel meshing with the pinion, a lever secured to said gear wheel, a link having a yielding connection with said lever, and means for operating said link to impart movement to said lever through said yielding connection to operate said gearing.

1,481,163. PULP-SHEET-LEVELING ATTACHMENT FOR PAPER-MAKING MACHINES. CHARLES R. VAN DE CARR, Jr., Grand Mere, Quebec, Canada. Filed Feb. 3, 1920. Serial No. 355,917. 2 Claims. (Cl. 92—44.)



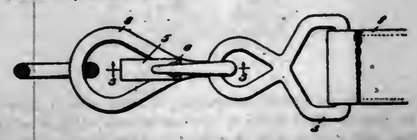
1. The combination with the Fourdrinier type of paper making machines including the pulp distributing head box and the endless wire, of a pulp sheet levelling device associated with said head box and comprising a plate adapted to extend across one side of said head box and having its lower end spaced from said wire to form a pulp feeding orifice, brackets for supporting said plate, a transverse bar connected to said brackets, screws arranged on said brackets and adapted for actuation to elevate and lower said plate with respect to said wire, and screws mounted in said transverse bar adapted for warping said plate to increase or decrease the thickness of the pulp sheet at different points on said wire.

1,481,164. METHOD OF MAKING WHEELS. JAMES H. WAGENHORST, Akron, Ohio. Filed Dec. 26, 1918. Serial No. 268,244. 1 Claim. (Cl. 157—1.)



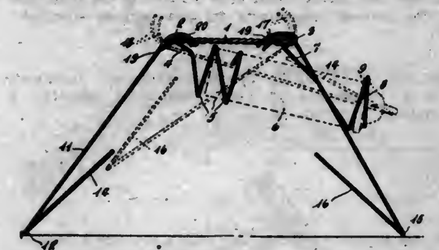
The hereindescribed method of making wheels which consists in providing a metallic felly divided at one point, assembling a plurality of spokes within said felly, contracting said felly upon said spokes, bringing the felly into true circular shape, placing the spokes under radial compression and securing the felly ends against circumferential separation.

1,481,165. WHIFFLE HOOK. LESLIE L. WELLS, Pilger, Nebr. Filed Oct. 23, 1922. Serial No. 596,381. 1 Claim. (Cl. 24—236.)



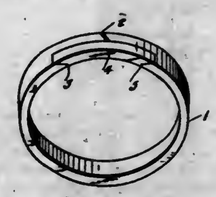
In combination with a loop and a hook carried thereby, of a resilient strip of metal looped above itself and arranged upon the shank of the hook in proximity to the extremity of the hook, and capable of movement within the loop when flexed, a rivet passing through the end of the strip and the shank.

1,481,166. NURSING-BOTTLE HOLDER. ALLEN HAMMOND WHISNER, Fairview, N. C. Filed Feb. 20, 1923. Serial No. 620,225. 5 Claims. (Cl. 248—65.)



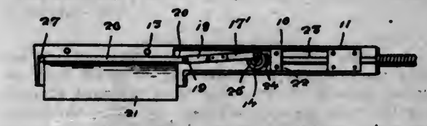
1. A nursing bottle holder comprising a body portion, legs at opposite ends thereof and means movable with the legs and engageable with the body portion to hold the legs in extended position.

1,481,167. PISTON RING. MALCOLM M. WHITE, Appleton, Tenn. Filed Mar. 30, 1922. Serial No. 548,085. 1 Claim. (Cl. 74—109.)



A piston ring provided with a split and having a portion cut away from a side thereof opposite the split, said cut away portion extending an equal distance beyond each side of the split, the ends of the cut away portion conforming to a chordal line of the ring to provide flat outwardly facing surfaces at each end of the cut away portion, said flat surfaces having their ends adjacent the inner peripheries of the ring cut away to provide shoulders, a section snugly fitting and conforming to the cut away portion of the ring and having shoulders at its opposite ends to engage the shoulders formed at the ends of the cut away portion of the ring, whereby to prevent any longitudinal movement of the section to cause unequal wear of the ends thereof.

1,481,168. RAZOR. JAMES S. WILSON, Jamestown, Ohio. Filed Mar. 28, 1922. Serial No. 547,420. 1 Claim. (Cl. 30—12.)



A razor comprising a hollow tubular handle, spaced plates extending from one end of the handle to receive a blade, said plates having opposed longitudinal grooves to provide a guide, a blade positioned between the plates, a rotatable shaft extending into the opposite end of the handle, means connecting the shaft and blade, whereby the latter may be longitudinally reciprocated and longitudinally disposed ribs extending along opposite faces of the blade for sliding engagement within the guide grooves.

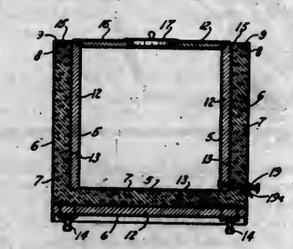
1,481,169. RADIATOR-CORE-ASSEMBLING MACHINE. MEINHARD WITTE, Minneapolis, Minn. Filed Apr. 24, 1922. Serial No. 556,285. 6 Claims. (Cl. 29—84.)

1. A machine for assembling the tubes and fins of a radiator core, comprising means for spacing and holding the fins properly aligned in parallel arrangement, a group of parallel tube-spacing plungers, a support for said plungers mounted for oscillatory movement to carry



said plungers into and out of alignment with the fins, and means for reciprocating the support to cause said plungers to carry the tubes through the assembled fins.

1,481,170. COOLING BOX. JOHN J. WOMPEY, Denver, Colo. Filed May 12, 1922. Serial No. 560,515. 7 Claims. (Cl. 220—9.)



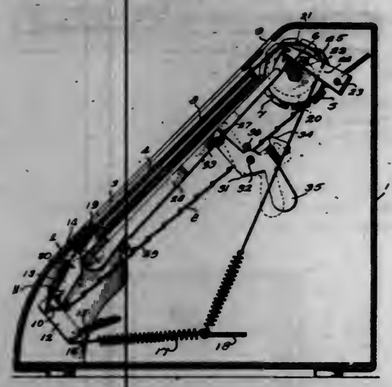
1. A cooling box of the character described comprising inner and outer box-shaped members made of sheet metal and spaced from each other at their sides and bottoms, a sheet metal plate connecting said members at their upper edges, a movable cover closing the inner member at the top of the box, and a filling of insulating material in the space between the members.

1,481,171. ADVERTISING DEVICE. MILTON RUSLING WOOD, New York, N. Y. Filed Nov. 4, 1920. Serial No. 421,670. 1 Claim. (Cl. 211—34.)



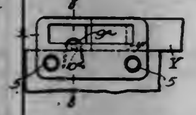
An advertising device comprising a panel member and a base member united along a foldable line whereby the members may be disposed at an angle to each other in substantially vertical and horizontal planes respectively, the panel member being cut out upon three lines, one line being coincident with the foldable line uniting the two members, another line being parallel therewith and at a distance therefrom corresponding to the height of the commercial package, and the other line joining the first two lines at one end, thus forming an opening to receive a commercial package of substantially the size and shape in cross section of said opening, and a panel support connected by a vertically disposed foldable line along one of the vertical edges of the opening extending rearwardly from the back of the panel and held extended by contact with the commercial package when inserted in the opening.

1,481,172. CALCULATING MACHINE. HERBERT A. WRENN, Washington, D. C., assignor, by mesne assignments, to The Wrenn Adding Machine Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 16, 1921. Serial No. 492,761. 6 Claims. (Cl. 235—134.)



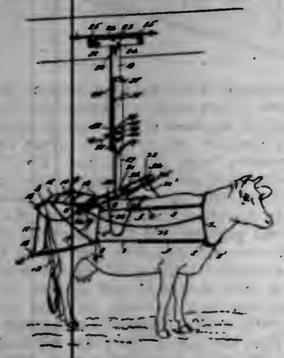
1. A transfer mechanism for calculating machines comprising a transfer bar, means for actuating said bar, and a pivoted lever mounted in the path of the transfer bar, said lever being adapted to be engaged by the transfer bar and swung on its pivot to engage a portion of the calculating mechanism.

1,481,173. LABEL HOLDER. CHARLES A. WRIGHT, Riverton, N. J. Filed Jan. 25, 1922. Serial No. 531,639. 5 Claims. (Cl. 129—16.8.)



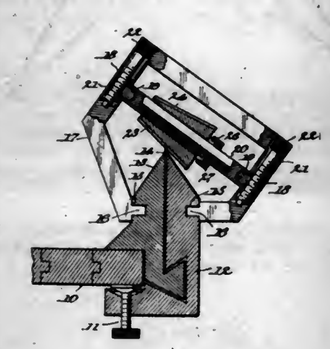
5. The combination of a card; a label holder engaging opposite sides of and fixed to said card, having openings for the introduction and display of a label; with a spring member mounted to project into the hollow of said holder to removably engage and normally retain a label in the same.

1,481,174. RESTRAINING DEVICE. FRED G. ZIMMERMAN, Cloverdale, Calif. Filed Sept. 8, 1922. Serial No. 586,923. 4 Claims. (Cl. 119—27.)



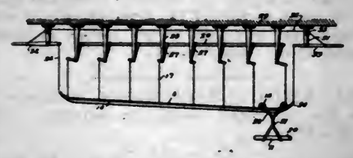
1. A restraining device comprising a harness, an adjustable slide suspended from a ceiling and centered upon the back of an animal, a grooved plate carried by the rear end of the harness, and ropes passing through the slide and having their ends secured to the plate and to the harness respectively for the purpose specified.

1,481,175. SAW SET. THEIMAN ANDERSON, Demarest, N. J. Filed May 13, 1922. Serial No. 560,643. 5 Claims. (Cl. 76—50.)



1. In a device of the class described, the combination of a saw holding device, a frame movable therealong, a saw set member, and means for adjusting said saw setting member in accordance with the size of teeth to be operated upon and the degree of set to be imparted thereby, said means including adjustable bearing members supported by said frame and a shaft rotatably mounted on said bearing members for supporting said saw set member.

1,481,176. GRAVITY CONVEYER. WILLIAM R. BANKSON, Ross Township, Allegheny County, Pa. Filed Mar. 29, 1923. Serial No. 628,619. 4 Claims. (Cl. 186—6.)

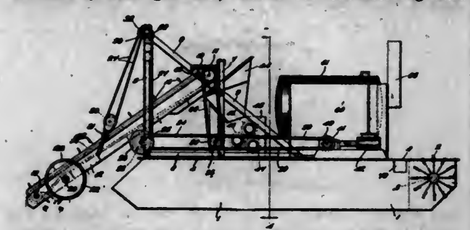


1. A gravity conveyer comprising a longitudinally extending track, means for suspending the track from an overhead support, an operating lever arranged at each end of the track, means operatively connecting the levers to the track, means for operatively connecting the levers together for changing the inclination of the track, and a wheeled carrier arranged for movement over the track from one end thereof to the other according to the inclination of said track.

1,481,177. APPARATUS FOR DESTROYING WATER LILIES OR LIKE MARINE GROWTHS. LAURENCE BAYARD and WILLIAM JOSEPH BAYARD, New Iberia, La. Filed Nov. 25, 1921. Serial No. 517,645. 9 Claims. (Cl. 56—9.)

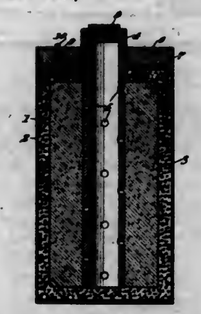
1. In a device of the class described the combination of means for removing floating marine growths from the surface of the water; means for separating from said growths a substantial portion of the water associated therewith; means for conducting said growths from said

first named to said second named means; means adapted to destroy said growths; means for transferring said



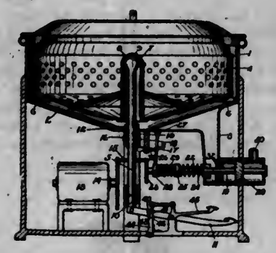
growths from said separating means to said destroying means; and means whereby said growths may be conveyed away from said destroying means.

1,481,178. ELECTRIC BATTERY. RAYMOND C. BENNER and HARRY F. FRENCH, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed Feb. 5, 1920. Serial No. 356,496. 10 Claims. (Cl. 204—38.)



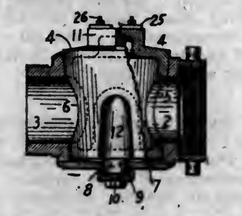
7. In cells of the type described, a depolarizing mix, a zinc container electrode and a readily permeable mass comprising particles of gelatinizable material intermediate to the zinc electrode and depolarizing mix, said cell having an opening for applying an activating material to the permeable mass.

1,481,179. LAUNDRY MACHINE. SOLON J. BOUGHTON, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 21, 1920. Serial No. 418,571. 9 Claims. (Cl. 68—18.)



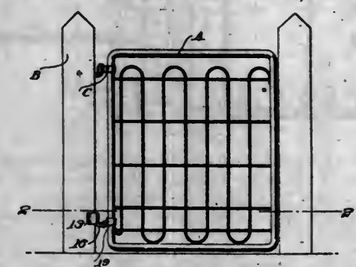
1. In a laundry machine, in combination, a container, a shaft for supporting and driving said container, a power source, means for transmitting power from said power source to said shaft, and means for moving said shaft for making driving connection to said container and placing said container in operative position and simultaneously and progressively increasing the speed of rotation of said shaft.

1,481,180. STOP AND DRAIN VALVE FOR HOSE LINES OR THE LIKE. HENRY C. BOWLUS, Springfield, Ohio. Filed June 7, 1921. Serial No. 475,828. 11 Claims. (Cl. 251—110.)



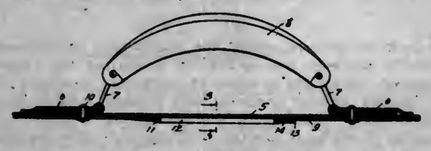
1. A device to connect a single hose line with a plurality of branch hose lines and having means to disconnect one or more of said branch lines from said single line and to drain the water from the branch line or lines so disconnected.

1,481,181. GATE-CLOSING DEVICE. CLINTON H. BROOKS, Nickerson, Kans. Filed Oct. 8, 1921. Serial No. 506,403. 2 Claims. (Cl. 16—156.)



1. In combination with a swingably mounted gate and its jamb, the gate having its upper portion pivoted on the jamb by an ordinary connection; a pivotal support for the lower portion of the gate consisting of an elongated metallic strip secured against the inner face of the jamb transversely thereof and formed at its ends with concavities facing away from the jamb, and a substantially triangular plate member secured to the lower portion of the gate and having its wider edge formed with an upstanding flange of an elongated nature corresponding to said strip and formed at its ends with convex portions facing toward the jamb and fitting within the concavities of said strip.

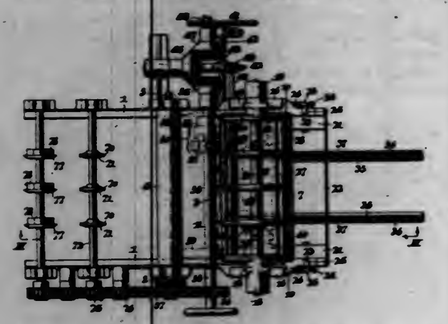
1,481,182. BRIEF BAGS. MORRIS BROOKS, New York, N. Y., assignor to The Lifton Mfg. Co., New York, N. Y., a Copartnership composed of Maurice Lifton and Aaron Lifton. Filed Sept. 18, 1922. Serial No. 588,870. 2 Claims. (Cl. 40—16.)



1. As a new article of manufacture, a re-enforcing strip for location on the inside of the cover flap of a brief bag and opposite the points of attachment of the handle for the brief bag, such re-enforcing strip including intermediate its edges and substantially midway between its opposite ends a pair of slits, one being an elongated slit with removed strip material between its sides to constitute an elongated window-slit running longitudinally of the strip, and the other slit being arranged in close adjacency to the window slit, and being

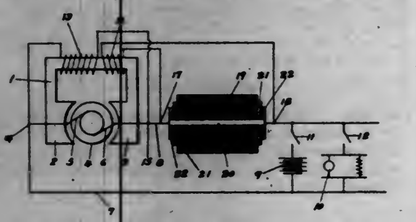
cut transverse to the strip to establish a tongue directed away from the adjacent end of the window-slit, there being provided a secondary metallic re-enforcing member permanently secured to the strip adjacent to the window-slit and having smooth parallel portions exposed along the line of extension of the window-slit and on opposite sides thereof and on the underside of the strip to constitute gliding ways.

1,481,183. PRODUCING BITUMINOUS SHINGLES AND THE LIKE. FRANK A. BROWNE, Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Jan. 3, 1920. Serial No. 349,309. 17 Claims. (Cl. 164—68.)



1. In an apparatus of the character described, the combination of means for feeding a continuous sheet of material; means for cutting the sheet into strips; a movable support adapted to receive the severed strips; and mechanism for causing the gradual recession of said support until a stack of a predetermined number of the strips is formed, and the instantaneous return of the support to starting position after the removal of a completed stack.

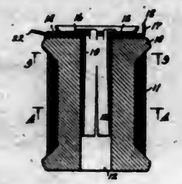
1,481,184. CURRENT REGULATION. ALVIN E. BUCHENBERG, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Sept. 9, 1918. Serial No. 253,261. Renewed May 25, 1923. 9 Claims. (Cl. 171—229.)



5. In an electric system, the combination of a dynamo electric machine, and means for regulating the current thereof, comprising a series of contacting members, and a binding member therefor, said binding member being in electrical circuit with said contacting members, and having a relatively greater co-efficient of expansion than said contacting members.

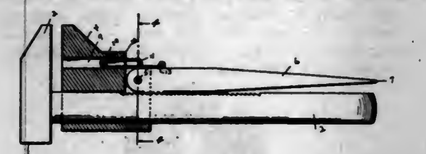
1,481,185. THREAD HOLDER AND CUTTER. JANE H. BURNS and JOHN ANDERSON, Middletown, Conn. Filed July 20, 1921. Serial No. 486,199. 1 Claim. (Cl. 30—14.)

A thread holder and cutter for use with spools, comprising a flat disk, perforated at its centre, said disk having a projection extending outward from one side and an upturned portion on the opposite side forming a cutter, a hollow cylindrical spring member provided with means on its upper end for clamping the disks together,



and spring members on its lower end for engaging the spool to retain the thread holder and cutter in position on the same.

1,481,186. COMBINATION TOOL. MATHIAS C. BUSCH and CARL E. THOMMES, St. Paul, Minn. Filed June 29, 1922. Serial No. 571,700. 3 Claims. (Cl. 81—134.)



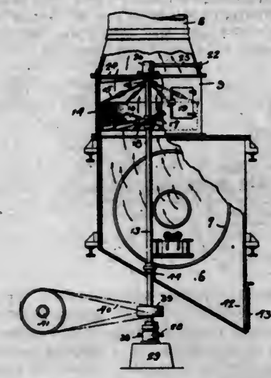
1. In a tool of the above indicated character comprising a stationary jaw mounted on one end of a handle, a movable jaw positioned on said handle, an operating handle pivotally connected to said movable jaw, rack teeth formed on the opposing edges of the stationary jaw handle and the operating handle, and means slidably positioned within the movable jaw for forcing the rack tooth of the operating handle into engagement with the teeth of the stationary jaw handle for holding the movable jaw in any desired adjustment.

1,481,187. POST-RETAINING MEMBER. JAMES S. CLAY, Indianapolis, Ind., assignor to Caldwell & Drake Iron Works, Columbus, Ind., a Corporation of Indiana. Filed Dec. 19, 1921. Serial No. 523,441. 2 Claims. (Cl. 189—29.)



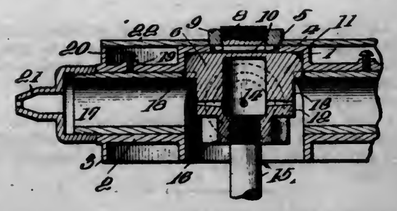
1. The combination with a hollow post and means for anchoring the same in an upright position, of a retaining member within said post, means for supporting the retaining member said retaining member holding said post in substantially upright position only upon fracture of said anchoring means for the post, substantially as set forth.

1,481,188. STACK FAN. GEORGE B. DAMON, Belvidere, N. J., assignor to Vulcan Iron Works, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,435. 7 Claims. (Cl. 230—11.)



1. In a stack fan, a cylindrical fan chamber, a spindle substantially coaxial therewith, a fan-supporting ring spaced from the spindle, a hanger secured to the spindle above the ring, inclined struts extending between said hanger and ring, a hub on the spindle in the plane of the ring, horizontal spindles extending between said hub and ring, and fan blades pivotally mounted on said horizontal spindles.

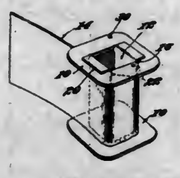
1,481,189. GAS BURNER. EUGENE ORA DANIELS, Toledo, Ohio. Filed Mar. 8, 1923. Serial No. 623,716. 3 Claims. (Cl. 158—99.)



1. A gas burner comprising a hollow hub provided with radial tubular arms carrying a ring at their outer ends, said hub being provided with an annular flange at its upper end, the inner wall of which is provided with oppositely disposed notches, a hollow cap arranged within said hub having a threaded stem provided with oppositely disposed projections fitting in the notches of said hub, a nut working on said stem for securing said cap within said hub, said cap being provided with radial web portions and intermediate projections provided with bores, a supply pipe connected to said cap for supplying fuel thereto, tubular nipples mounted in said arms having notched inner ends to receive the projections of said cap, flame spreaders carried by said nipples and means for locking said nipples within said arms.

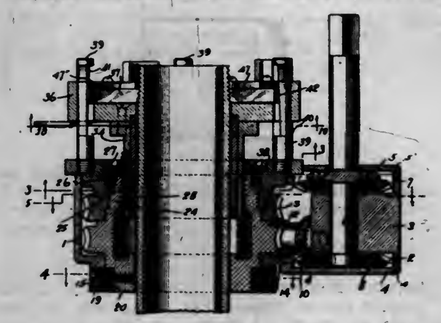
1,481,190. SPOOL. VERNON DURBIN, Newton, and GEORGE H. BICKELL, Brookline, Mass., assignors to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed May 31, 1921. Serial No. 473,750. 1 Claim. (Cl. 175—21.)

A spool comprising two end members for heads, two spacer bars and a spacer strip, the heads having rectangular openings, two opposite sides of the opening having locking notches located adjacent to the ends of such sides, the other two sides of the opening being plain sides, the spacer bars having a width equal to the length of the plain sides and being provided with end flanges to engage the heads and hold them from outward movement on the bars, said bars being also provided on each



edge adjacent to the flange with locking lugs adapted to be received in the locking notches of the heads, the spacer strip acting to hold the heads against the flanges of the spacer bars and thereby to hold the locking lugs in the locking notches so that the bars cannot collapse by movement toward each other.

1,481,191. MACHINE FOR CUTTING OFF AND THREADING PIPES. THADDIOUS V. ELLIOTT and CHARLES SCHAEFER, New Brunswick, N. J. Filed Sept. 28, 1921. Serial No. 503,716. 20 Claims. (Cl. 10—90.)



16. In a thread cutting machine of the character described a driving mechanism, a head rotated by said driving mechanism, a plurality of cutting members carried by said head and arranged to be adjusted radially, a cam for varying the position of said cutting members, a ring secured to said cam for adjusting the same, and an auxiliary cam rotatably mounted between the first mentioned cam and the cutting members.

1,481,192. FOLDING PAINTBRUSH. HAROLD FEUERSTEIN, Great Neck, N. Y. Filed July 20, 1922. Serial No. 576,347. 1 Claim. (Cl. 15—184.)

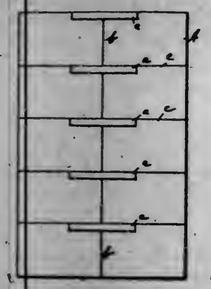


A brush head comprising a handle, an open ended liquid container detachably secured to one end of the handle and having a fluid tight connection therewith, and a reversible brush head detachably carried by the forward end of the container and having fluid tight connection therewith.

1,481,193. METHOD OF PRODUCING SELF-SPACING SHINGLES. ALBERT C. FISCHER, Chicago, Ill. Filed Sept. 6, 1921. Serial No. 498,862. 4 Claims. (Cl. 164—19.)

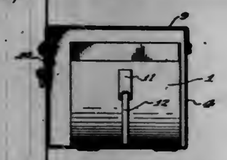
1. The method of producing shingles from sheets, which consists in punching a sheet at intervals corresponding

substantially to the width of shingles to be produced, severing said sheet on a line extending transversely of



a series of apertures so formed to produce reduced shingle ends, and also severing said sheet on lines producing side edges which meet said apertures.

1,481,194. POWDER BOX. JOHN W. FISCHER, Chatham, Ill. Filed Aug. 19, 1922. Serial No. 583,007. 4 Claims. (Cl. 220—20.)



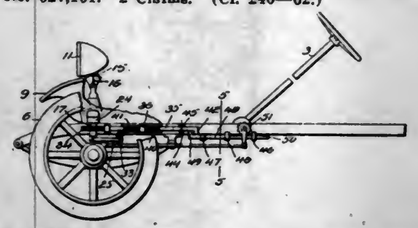
1. In a powder container, a chest, a box hingedly connected thereto and opening out through one end of the chest, and locking means releasable from the interior of the chest for locking the box in position in the chest.

1,481,195. POWER-STICK ADJUSTER FOR LOOMS. EUGENE GADUE, Winooski, Vt. Filed May 31, 1921. Serial No. 473,587. 1 Claim. (Cl. 139—152).



A power stick adjuster for looms, comprising a picker stick, a sweep stick having a lug strap surrounding said picker stick, a plate adapted to be secured to the sweep stick over the lug strap having an enlargement at its free end provided with a threaded bore, a sectional power stick having its upper section provided with an opening through which passes a bolt secured in the threaded bore of the plate for pivotally connecting said section to the enlarged portion of said plate, a bolt carried by the lower end of said section, the lower section being provided with a slot through which extends said bolt for adjusting said sections in respect to one another, a member having a slotted portion and a lug carried by the free end of the lower section extending through the slot of said member for loosely connecting said section to said member.

1,481,196. HEADLIGHT-SHIFTING MECHANISM FOR MOTOR VEHICLES. WILLIAM F. GODAR and HENRY F. MILLER, St. Louis, Mo. Filed Mar. 23, 1923. Serial No. 627,101. 2 Claims. (Cl. 240—62.)

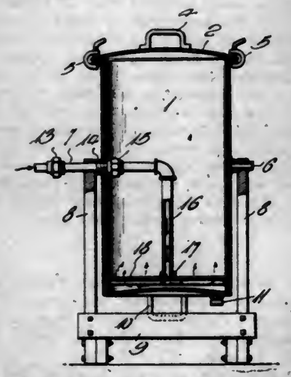


1. A headlight shifting mechanism for motor vehicles comprising vertically disposed synchronously shiftable lamp supporting elements connected together, a pinion fixed to one of said elements, a slidably mounted spring controlled lengthwise shiftable toothed rod engaging with said pinion for actuating it to shift said elements synchronously, said rod having its rear terminal portion provided with a depending abutment and a depending arm spaced from each other, a slidably mounted toothed actuating member operated from the steering gear of the vehicle for shifting said rod forwardly or rearwardly, said member provided at its forward terminus with an upwardly extending arm interposed between said abutment and the arm of the rod and cooperating therewith to shift the rod, the arm of said member normally spaced from the arm and abutment of the rod, whereby the rod will be actuated after said member has been shifted a predetermined distance by the steering gear of the vehicle.

1,481,197. PURIFICATION OF HYDROCARBONS. DAVID F. GOULD, Cornwells, Pa., assignor to The Barrett Company, a Corporation of New Jersey. Filed Nov. 3, 1922. Serial No. 598,926. 5 Claims. (Cl. 260—168.)

1. The process of purifying hydrocarbons which comprises washing the molten hydrocarbon and crystallizing the hydrocarbon in the presence of an aqueous alkali solution.

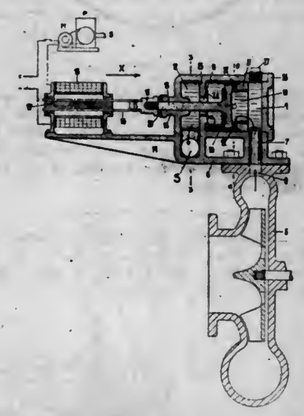
1,481,198. FOOD COOKER. AMEL HACKBARTH, Zion, Ill. Filed Nov. 6, 1922. Serial No. 599,479. 1 Claim. (Cl. 126—249.)



A steam cooker comprising a cooking receptacle having a false perforated bottom therein spaced above its main bottom, a trunnion extending from one side of said

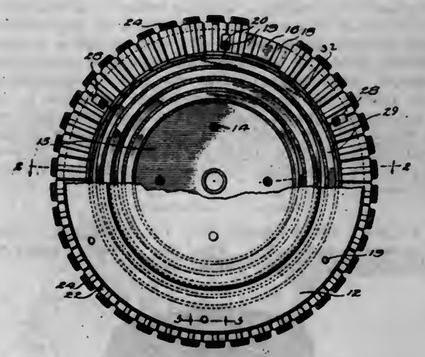
receptacle, a steam supply pipe extending through the other side of the receptacle in axial alinement with said trunnion, the inner end of said pipe being turned downwardly into the receptacle and connected with the false bottom to supply steam to the space between the latter and said main bottom, said pipe having sections connected by unions to permit relative turning of said sections to permit tilting of the receptacle, and a supporting frame with which said trunnion and one section of said pipe are rockably engaged to jointly support said receptacle and permit tilting thereof for discharging its contents.

1,481,199. PUMP SYSTEM. OTTO HAENTJENS, Hazleton, Pa. Filed Mar. 6, 1923. Serial No. 623,211. 11 Claims. (Cl. 103—113.)



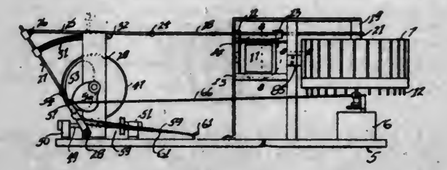
1. In a priming system for centrifugal pumps, a suction line connected to the pump casing, a check valve arranged in the suction line, and electromagnetic means for holding said valve open during the priming operation.

1,481,200. VEHICLE WHEEL. KARL P. HANGL, New York, N. Y. Filed June 19, 1922. Serial No. 569,517. 10 Claims. (Cl. 152—29.)



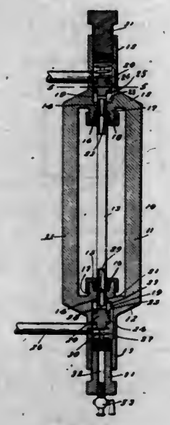
1. In a vehicle wheel including a wheel casing, a plurality of split rings mounted in the wheel casing, packing and lubricating means interposed between the split rings, and a plurality of shock blocks slidably mounted in the casing and seated on the split rings, transmitting impulses received directly to the split rings.

1,481,201. STEREOPTICON LANTERN-SLIDE-FEED DEVICE. CLAY NORRIS HEADDING and FRANCIS MITCHEL KENT, Chehalis, Wash. Filed Jan. 13, 1922. Serial No. 528,920. 5 Claims. (Cl. 88—27.)



1. In a projecting mechanism, the combination of a projector, gearing mounted adjacent said projector, cams rotated by said gearing, a rocker arm actuated by one of said cams, means for holding said rocker arm out of the path of movement of said cam, means for moving said rocker arm into the path of said cam at pre-determined intervals, a slide-holding magazine adjacent said projector, and means associated with said rocker arm for moving slides into and out of said magazine.

1,481,202. GAUGE. DENNIS E. HILDRETH, East Akron, Ohio. Filed Mar. 13, 1920. Serial No. 365,681. 1 Claim. (Cl. 73—54.)



A device of the class described comprising a frame provided with restricted openings in the opposite ends thereof, a glass sight tube engaging said openings, sleeves projecting outwardly from the opposite ends of said frame and provided with longitudinal passages, circular extensions projecting inwardly from the opposite ends of said frame and surrounding said tube, packing surrounding said tube in and being arranged in the recess, caps removably secured to said extensions and engaging said packing, means for supplying a liquid to one of said sleeves, means for conveying the liquid from the other sleeve, plugs removably secured to the outer ends of said sleeves, coiled springs located in said sleeves and engaging said plugs, valves engaging the springs in said sleeves and normally arranged between the ends of the longitudinal passages therein, reduced extensions formed on said valves and engaging said sight tube and being provided with transverse and longitudinal passages formed therein adapted to normally communicate with the longitudinal passages of the sleeve and means carried by the frame to prevent particles of glass flying in the event of the tube breaking.

1,481,203. SNAP FASTENER. GEORGE A. HOLMES, Newton Center, Mass., assignor to United States Fastener Company, a Corporation of Maine. Filed June 3, 1921. Serial No. 474,817. 2 Claims. (Cl. 24—218.)



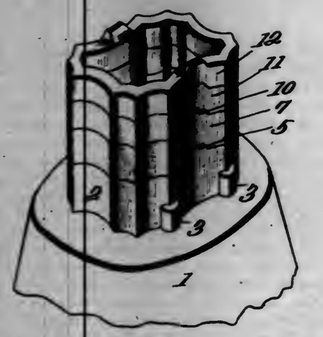
1. A stud and socket fastener comprising a stud member having a convex head and an annular shoulder at the base thereof; and a socket member comprising a spring chamber composed of front and rear plates having apertures constituting a passage for the reception of the stud, and a side wall inclosing the space between said plates, combined with a spring comprising a bridge portion extending across the upper part of the spring chamber the middle part of which projects into said stud passage, and two holding branches extending across said stud passage substantially at right angles to the bridge portion; adapted to engage under the stud head at diametrically opposite points, said holding branches only, being adapted to yield in the unfastening operation.

1,481,204. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Original application filed Feb. 12, 1923, Serial No. 618,545. Divided and this application filed May 12, 1923. Serial No. 638,582. 3 Claims. (Cl. 22—147.)



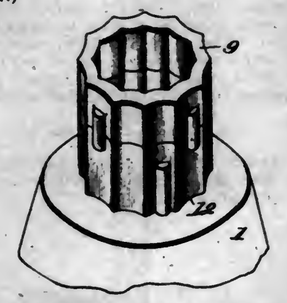
3. A feeder for ingot molds comprising a body portion and a series of integral narrow ribs vertically disposed and arranged in horizontal rows and having a cross-cut intermediate the ends whereby a portion of the ribs may be broken off.

1,481,205. FEEDER FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed June 18, 1923. Serial No. 646,086. 12 Claims. (Cl. 22—147.)



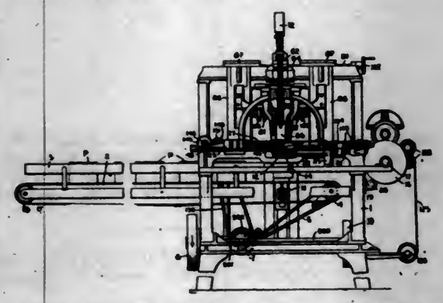
8. A feeder for ingot molds, comprising a body portion, a series of horizontal sections adapted to be stacked one upon the other and having interlocking means for holding the lower section to the body portion and the other sections to each other.

1,481,206. ATTACHMENT FOR FEEDERS FOR INGOT MOLDS. BLOOMFIELD H. HOWARD, Washington, D. C., and ERNEST J. TURNER, Pittsburgh, Pa. Filed June 29, 1923. Serial No. 648,538. 8 Claims. (Cl. 22—147.)



4. An attachment for feeders for ingot molds, comprising a section of substantially the same cross sectional area as the feeder and having means extending below the lower end thereof and engaging the outer periphery of the feeder for holding it on the feeder against lateral movement.

1,481,207. WRAPPING MACHINE. HARRY L. JOHNSON, Boston, Mass., assignor to Percy E. Ginn, Jamaica Plain, Mass. Filed Aug. 1, 1919. Serial No. 314,592. 34 Claims. (Cl. 93—2.)



1. In a wrapping machine, the combination with folding means for folding a wrapper about a package, of a continuously reciprocating feed plunger to deliver packages to said folding means, a feeding-in belt a transfer plunger to deliver packages from said belt to said feed plunger, paper-feeding means for feeding wrappers to the folding means, means to deliver wrappers to the paper-feeding means, and means for rendering both the wrapper delivery mechanism and the transfer plunger inoperative whenever there are no packages on the feeding-in belt in position to be delivered by the transfer plunger.

1,481,208. HEAT-PRODUCING COMPOSITION. LUKE JOHNSON, Dallas, Tex. Filed May 1, 1923. Serial No. 636,026. 3 Claims. (Cl. 44—3.)



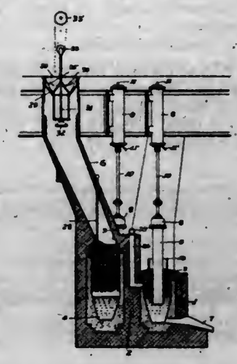
1. A heating composition comprising heat producing materials consisting of oxide of iron, sodium acetate, calcium chloride, muriate of ammonia, and odor preventing material, and a flexible water absorbent housing inclosing said ingredients.

1,481,209. BRIDGE TOOTH AND LOCK-IN BACKING. ABBOTT A. KAUFFMAN, Brooklyn, N. Y. Filed June 21, 1923. Serial No. 646,862. 3 Claims. (Cl. 32—12.)



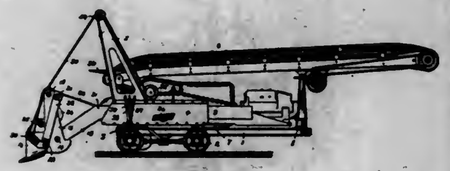
2. A bridge tooth having intersecting vertical and horizontal bores and a bridge member countersunk in the rear and side portions of the periphery of the tooth, said bridge member provided with a tongue extending into the horizontal bore, and means extending into the vertical bore and interengaging the tongue.

1,481,210. ELECTRIC SMELTING FURNACE. TOKUJI KAWAI, Kokura, Japan. Filed July 23, 1919. Serial No. 312,785. 2 Claims. (Cl. 204—64.)



1. An electric smelting furnace having a feeding passage, provided with an inclined portion immediately rising from the reducing chamber and a vertical upper portion, a funnel case vertically slidably fitted at the upper end of the passage, a conical cover in the funnel case and arranged for limited vertical movement independently thereof, an inlet cover at the lower end of the funnel case, a rod connecting said conical cover and said inlet cover, and means to raise or lower said rod and said covers.

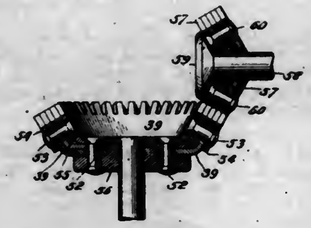
1,481,211. MECHANICAL SHOVEL. VERNON L. KEECH and EMIL A. HURTLEY, Duluth, Minn., assignors to Robert S. Walker, Cleveland, Ohio. Filed Dec. 16, 1921. Serial No. 522,949. 8 Claims. (Cl. 214—90.)



1. The combination with a mechanical shovel having means for conveying the material being shoveled longitudinally thereof, and horizontally reciprocal crowder arms, of a dipper pivotally mounted upon the forward end of the crowder arms, means for operating the dipper independently of the crowder arms and discharging the contents thereof on said conveying means, and means whereby reciprocal motion of the crowder arms will operate the lip of the dipper substantially vertically.

2. The combination with a mechanical shovel having dipper carrying arms, horizontally reciprocal only, of a pivotal support upon said arms for the dipper, means for operating the dipper pivotally upon the support simultaneously with the pivotal operation of the latter, either with or independently of the action of the dipper carrying arms.

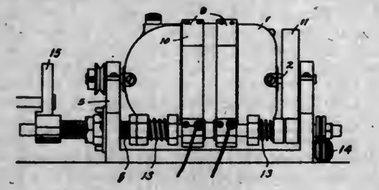
1,481,212. METHOD OF FORMING LAMINATED STEPPED GEARS. JOSEPH F. KELLER, New York, N. Y., assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 22, 1920. Serial No. 398,164. 5 Claims. (Cl. 29—159.)



1. The method of forming laminated stepped bevel gears which comprises punching the successive gear laminæ with aligning holes therein, forming the successive gear laminæ to nest so that the teeth thereof are disposed at the proper bevel angle with respect to the axis of the gear, the aligning holes in successive gear laminæ being advanced a predetermined amount with respect to the gear teeth, whereby when the gear laminæ are assembled, the teeth of successive laminæ are advanced uniformly to produce a stepped bevel gear.

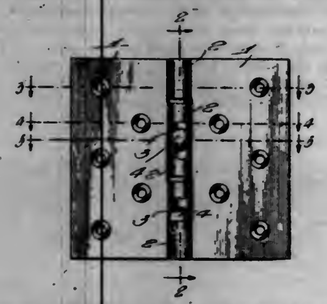
4. In a three-step punch and die, for punching gear laminæ, from sheet material, the combination of punches and dies for progressively forming the aligning holes and gear teeth, and means for changing the position of the aligning hole punches and dies, whereby the relative position of the aligning holes may be uniformly and progressively varied with respect to the teeth of the gears punched.

1,481,213. ELECTRIC MOTOR. PERCY T. KING, Luton, England. Filed Apr. 30, 1923. Serial No. 635,708. 5 Claims. (Cl. 172—36.)



1. A variable speed control for electric motors, comprising a framework, bearings therein carrying the whole motor, slip rings on the field magnet, brushes carried in said framework co-acting with said slip rings, a brake co-acting with said field magnet and adapted when disengaged to lift said brushes out of contact with said slip rings, a brake co-acting with the armature of said motor, and a single arm operating both said brakes so that the brake tension of one of said brakes is dependent on the amount of brake tension of the other brake and consequently as the braking force of one brake is increased that of the other is decreased.

1,481,214. BALL-BEARING HINGE. MARTIN S. KISSEL, Ambridge, Pa. Filed Oct. 16, 1922. Serial No. 594,822. 1 Claim. (Cl. 16—136.)



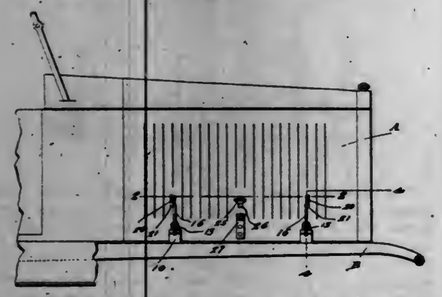
A hinge comprising a pair of leaves having rolled tubular knuckles intermeshed with each other and having their opposed ends internally bevelled, and bearing balls between the knuckles of the two leaves seated in said opposed bevelled knuckle ends.

1,481,215. APPARATUS FOR REPAIRING ICE CANS. SAMUEL C. MCCLURE, Canton, Ohio. Filed Mar. 23, 1921. Serial No. 454,812. 5 Claims. (Cl. 29—80.)



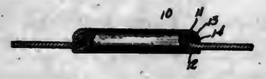
1. An apparatus for repairing ice cans and similar receptacles including a rack comprising four uprights joined together in pairs at their upper ends by V-shaped members, horizontal bars connecting the upper ends of each pair of uprights, a horizontal bar being provided upon one side of the frame intermediate the top and bottom thereof, and a horizontal bar being provided at the bottom of the other side of the frame.

1,481,216. HOOD FASTENER. BUFORD M. MCMILLION, Rogers, Tex. Filed Apr. 14, 1922. Serial No. 552,675. 2 Claims. (Cl. 292—113.)



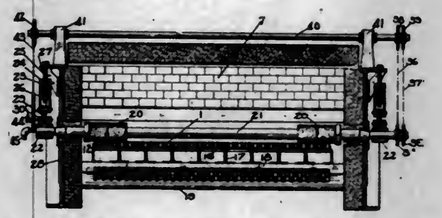
1. A hood fastening device comprising flanged brackets secured upon the frame bar of an automobile chassis adjacent the lower edge of the hood, brackets secured upon the hood near the lower edge thereof, a rock shaft journaled upon the inner side of the hood and having crank arms operating through slots in the hood, means normally holding the rock shaft at one limit of its movement, latch rods pivoted upon said crank arms and slidable through said second named brackets with their lower ends terminating in hooks engaging said flanges, a handle on the outside of the hood and a thumb piece carried by the rock shaft and projecting through a slot in the hood with its outer end located adjacent said handle.

1,481,217. GROMMET. RICHARD E. MALOY, Brooklyn, N. Y. Filed Nov. 21, 1921. Serial No. 516,687. 1 Claim. (Cl. 24—141.)



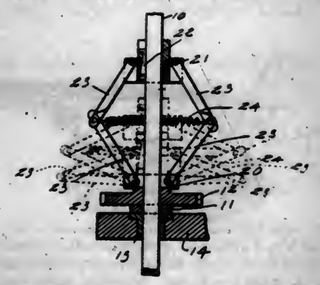
A grommet, comprising an elongated hollow body having concave sides, an outwardly flared outer end and a flanged inner end, in combination with a piece of material having an opening of less diameter than the smallest diameter of the body and through which the body of the grommet is passed and upset, whereby the edge of the material defining the opening will be formed into a bead and an annular channel formed by the body and flange to enclose the beaded edge and the portion of the material adjacent said edge.

1,481,218. APPARATUS FOR DRAWING SHEET GLASS. OTTO C. MILLER, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 10, 1921. Serial No. 514,129. 10 Claims. (Cl. 47—17.)



6. In a machine for drawing sheet glass, a source of molten glass, and means for drawing a sheet of glass therefrom, comprising an endless carrier and flattening table for the sheet, means for driving the carrier, a plurality of cross-shafts above the sheet and table, asbestos rollers carried by the shafts engaging the edge portions only of the sheet, means at either end of the shafts for yieldingly supporting a portion of the weight thereof, means for driving the shafts in unison, and means for internally cooling the shafts and rollers.

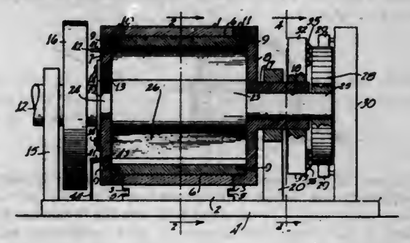
1,481,219. WELL-DRILLING MACHINE. OSCAR E. MILLER, Stratton, Nebr. Filed Apr. 18, 1922. Serial No. 554,642. 8 Claims. (Cl. 255—22.)



1. A rotary drill having a drill rod, a driving member for said rod and relatively to which the rod is slidable,

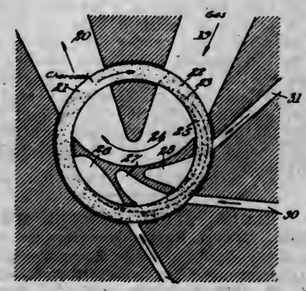
clutch means engageable with the rod to cause the rod to feed with respect to said member, said clutch means being normally disposed and movable of itself out of clutch engagement with the rod, and the clutch means including a device centrifugally operable by the driving member to cause the said clutch engagement of the clutch means and rod.

1,481,220. ROTARY GAS ENGINE. ERNEST R. NICHOLS, Chicago, Ill. Filed Aug. 19, 1921. Serial No. 493,558. 1 Claim. (Cl. 123—43.)



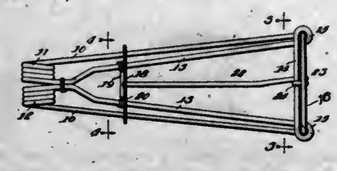
In a rotary internal combustion engine of the type described, a stationary cylindrical sleeve, a combination working cylinder and primary piston revolvable in said sleeve, said combination working cylinder and piston having a pair of diametrically opposed inwardly extending abutment pieces located on the interior wall of said primary piston, a secondary piston rotatably disposed within said working cylinder and primary piston, said secondary piston comprising a solid cylindrical member having diametrically opposed radially extending vanes arranged to engage with the inner side walls of said working cylinder and primary piston, the inwardly extending abutment pieces on said working cylinder being arranged to contact the outer wall of said cylindrical member of said secondary piston, a ratchet wheel carried by said secondary piston exteriorly of said cylindrical sleeve, a cross arm carried by said working cylinder exteriorly of said sleeve, resilient means for connecting said cross arm with said ratchet wheel, whereby said ratchet wheel may yieldably follow the movement of said cross arm, and pawls for permitting the movement of said ratchet wheel in one direction.

1,481,221. PROCESS FOR SEPARATING GAS AND VAPOR MIXTURES. MAX NUSS, Hochst-on-the-Main, Germany, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-Main, Germany, a Corporation of Germany. Filed Mar. 21, 1923. Serial No. 620,631. 8 Claims. (Cl. 183—4.)



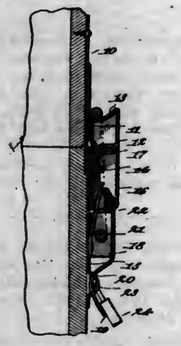
1. In the process for the separation of gas and vapor mixtures by absorption by means of charcoal, the step which consists in arranging the charcoal in a band in which the parts are relatively stationary and moving said band through a stream of the mixture to be separated.

1,481,222. TRAP. WILLIAM G. ODATEY, Inglewood, Calif. Filed Sept 15, 1922 Serial No. 588,447. 1 Claim. (Cl. 43—85.)



A trap of the character described comprising a base formed from a single length of wire and including spaced side members arranged in divergent relation, an arch shaped member rising from the base at one end thereof and disposed at a right angle thereto, said arch shaped member constituting a fixed jaw, the other end of said base terminating to provide resilient coils, the adjacent convolutions of which are extended to provide the movable jaw, said movable jaw including spaced members terminating at their forward ends to provide eyes slidably mounted on the parallel portions of the fixed jaw, said eyes being extended to provide a transverse member to connect the spaced members of the movable jaw at one end thereof, and tripping means for holding the movable jaw in a set position.

1,481,223. COMBINATION DRAWBOLT AND LOCK FOR TRUNKS. PATRICK J. GORMAN and ANTHONY J. PALUMBO, Bloomfield, N. J. Filed Sept. 17, 1921. Serial No. 501,225. 1 Claim. (Cl. 292—247.)



A trunk fastener comprising super-posed plates, a dowel carried by the upper plate and provided with a depending tongue and a hook portion, a housing carried by the lower plate, a lever pivoted upon the housing and provided with a bail adapted to coact with the hook of the dowel to draw the plates together, the housing co-acting with the tongue to receive the latter when the plates are drawn together, a U-shaped tongue pressed from the lower plate beneath the housing and disposed in a fixed vertical plane with the tongue of said dowel, and a finger piece carried by the lever below the housing and provided with a vertical slot to permit the U-shaped tongue of said lower plate to pass therethrough and protrude therefrom when the lever is closed, the dowel tongue co-acting with the housing to secure registration of the slot with said U-shaped tongue when closing the bail against the hook of the dowel.

1,481,224. HOODED EXAMINING LAMP. ALFREDO PIMIENTA, New York, N. Y. Filed Nov. 16, 1922. Serial No. 601,334. 5 Claims. (Cl. 240—2.)

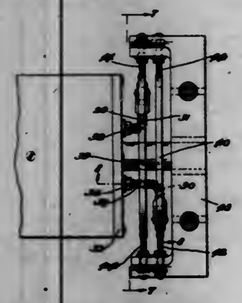
1. An examining lamp, comprising a pair of concave reflectors, means for holding the same in position when in use, each of said reflectors having an opening therein

spaced from the center thereof, and an electric bulb arranged substantially centrally of each reflector whereby



when said bulbs are lighted, a person may look through said openings without the light from the bulbs being projected into the eyes.

1,481,225. ELECTRIC IRON. ANTON M. RASMUSSEN, Rockford, Ill. Filed Oct. 25, 1921. Serial No. 510,262 4 Claims. (Cl. 219—37.)



1. In an ironing machine, an ironing roller comprising an inner core, electric heating elements about said core, and a removable metal sheet enclosing said heating elements, binding posts carried by said shell and having connection with said heating elements, contact rollers connected to said binding posts, conducting rings adapted to have communication with an exciting source, said rollers engaging said rings to permit energising of said heating elements during rotation of the ironing roller.

1,481,226. STORAGE BATTERY OR ACCUMULATOR. HAMPTON P. RHODES, Chicago, Ill., assignor to Rholite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 5, 1922. Serial No. 592,566. 9 Claims. (Cl. 204—29.)



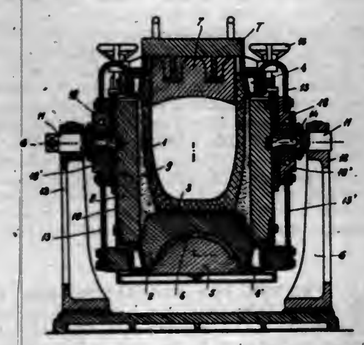
7. In a battery of the kind described and in combination, a casing provided with end closures, battery plates in said casing, having contact terminals extending therebeyond, retainer plates intermediate the ends of said plates and their adjacent end closures for holding said battery plates spaced apart and spaced away from the casing wall, a chamber provided between the opposed surfaces of one of said retaining plates and its adjacent end closure, said last-mentioned retaining plate provided with openings therethrough on opposite sides of said battery plates, and means opening into said chamber from the exterior of the battery for permitting the filling of the spaces between said casing and battery plates with an electrolyte.

1,481,227. TOY. CORNEIL RIDDERHOF, New York, N. Y. Filed July 29, 1922. Serial No. 578,480. 6 Claims. (Cl. 46—48.)



1. A toy of the character described, comprising a body, a propelling ball in the body and adapted to engage the surface over which it is moved, a flexible member attached to the body for moving it and imparting momentum to the ball to cause it to propel the body when the pull on the member is released, and means for checking the momentum of the ball when the body is tilted.

1,481,228. ELECTRIC FURNACE. TITO RONDELLI, London, England. Filed June 22, 1920. Serial No. 390,970. 2 Claims. (Cl. 204—64.)

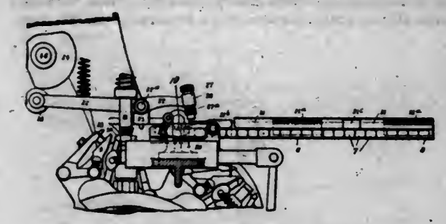


1. In an electric resistance furnace comprising a main resistant body providing the furnace chamber or crucible; a member of large size made of a material of the same character as said main resistant body for feeding the current to said body, said member being provided with a recess on its side opposed to its face adjacent to said main resistant body, refractory material located in said recess, a layer of high resistance material located between said member and the facing portion of said main resistant body and conductors contacting with the peripheral surface of said member and connected with a pole of a current supply.

1,481,229. FEEDING APPARATUS FOR WRAPPING MACHINES. HENRY ROSE, deceased, late of Gainsborough, England; by William Henry Rose, administrator, Gainsborough, England. Original application filed Jan. 13, 1921, Serial No. 437,025. Now Patent No. 1,434,152, dated Oct. 31, 1922. Divided and this application filed Mar. 10, 1922. Serial No. 542,806. 1 Claim. (Cl. 93—2.)

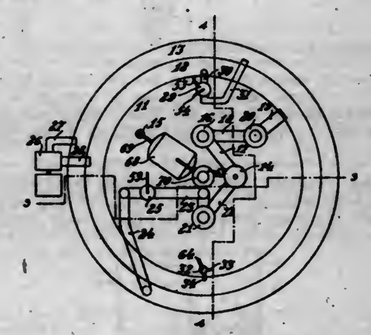
In apparatus for feeding blocks to wrapping machines, a feed trough in combination with hinged guards for

retaining and rerarding the blocks being fed, said guards including a pivoted arm, a resilient bearing face on said



pivoted arm, a cam operating said arm, and an element arranged to bear upon the blocks as they are pushed from said trough, substantially as described.

1.481,230. SUBMARINE. FRANCESCO ROVETTO, Spezia, Italy. Filed Dec. 13, 1922. Serial No. 606,670. 9 Claims. (Cl. 114—16.)

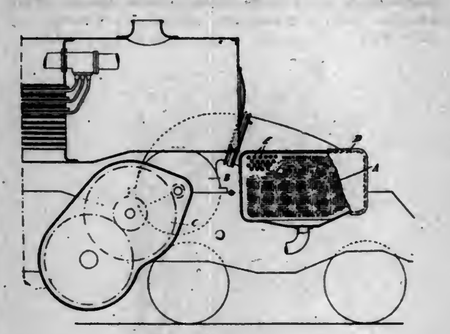


1. A method for maintaining a submarine in equilibrium between two water levels, while the driving motors are stopped, comprising causing admission of water into the submarine as soon as the latter commences to rise and continuing during the entire space covered during upward motion, and causing discharges of water from the submarine as soon as it commences to descend and continuing during the entire space covered during downward motion, the quantity of the water that enters and the quantity of water that leaves the submarine, being, in their totality, a function of the spaces covered during upward and downward motions.

2. An apparatus for maintaining a submarine in equilibrium between two water levels, while the driving motors are stopped, comprising, a controlling device, including a pipe which communicates with the sea, a float therein which is caused to move, directly through the action of the water of the sea said float carrying an electric switch, admission and outlet valves, solenoids for controlling the valves, said switch permitting electric current to pass at intervals through said solenoids for opening said valves in proportion to the space covered by the float and thus by the submarine.

1,481,231. CONDENSING INSTALLATION FOR LOCOMOTIVES. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Nov. 3, 1923. Serial No. 672,575. 5 Claims. (Cl. 257—25.)

1. A condensing installation for a locomotive having fire-tubes and a smoke-box comprising a condenser casing positioned on said locomotive between the smoke-box and the adjacent end of said locomotive, the upper surface of said casing being below said fire-tubes to permit ready access to the latter, and a bundle of condenser tubes in



said casing, said tubes being so arranged within the casing as to be accessible from both sides of the locomotive.

1,481,232. NONSKID CHAIN FOR AUTO WHEELS. WILLIAM F. SCHWIESOW, Ripon, Wis. Filed Feb. 9, 1923. Serial No. 617,927. 1 Claim. (Cl. 152—14.)



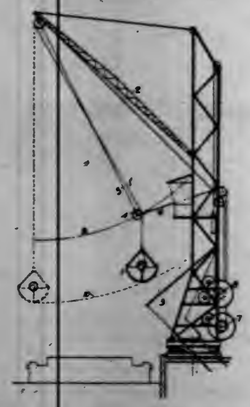
A non-skid tire chain, comprising a pair of side chains adapted to be positioned upon opposite sides of a tire, and a series of lags joining said side chains and passing transversely over said tire, said side chains each comprising a series of links having flat eyelets at one end adapted to roughly parallel the sides of the tire and each being slightly spaced from the plane of the body portion of the corresponding link and having smaller eyelets at the other end turned at right angles to the plane of said flat eyelets and interlinked therewith and projecting outwardly from the plane of said links.

1,481,233. PLUG CONNECTER. HENRY SIEBEN, Kansas City, Mo., assignor to Charles C. Hoefer, Kansas City, Mo. Filed Feb. 9, 1920. Serial No. 357,169. 4 Claims. (Cl. 200—137.)



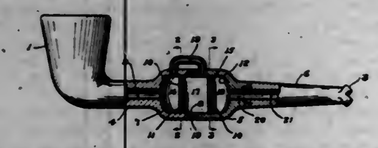
1. A plug connecter comprising a casing, electric contacts in said casing, a shaft, fingers on said shaft engaging said contacts, a ratchet on said shaft, a bowed spring lever in the casing, a detent on said bowed spring lever for engagement with the ratchet, a thermostat bar and a connection between the thermostat bar and the bowed spring lever.

1,481,234. DIGGING APPARATUS. AUGUSTUS SMITH, Roselle, N. J., assignor to Bergen Point Iron Works, Bayonne, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 530,497. 1 Claim. (Cl. 212—76.)



In apparatus of the type described, a tower, a boom thereon, a pendulum trolley suspended from the outer end of the boom, a sheave on the boom, a bucket operating rope engaging said pendulum trolley and boom sheave, a sheave on the tower, inhaul rope means extending directly from the pendulum trolley to the tower sheave, and means for operating the trolley inhaul and the bucket operating ropes.

1,481,235. TOBACCO PIPE. GEORGE SMITH, Philadelphia, Pa. Filed Mar. 31, 1922. Serial No. 548,396. 2 Claims. (Cl. 131—12.)

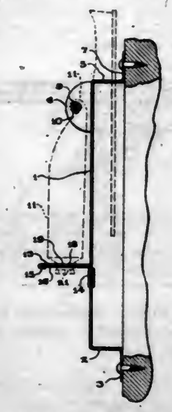


2. A smoking pipe comprising a bowl having an integral stem, the outer end whereof is cup-shaped, a mouth-piece, the outer end whereof is correspondingly cup-shaped, means for connecting together said cup-shaped portions to complete the pipe as a unit, a partition in each of the aforesaid cup-shaped portions, the forward one of which is provided with an aperture at its lower part and the rear one with an aperture at its upper part, and a by-pass connection on the upper part of the cup-shaped portion of the pipe stem which serves as a locking means for securing the opposed cup-shaped portions of the stem in operative connection.

1,481,236. HOLDER. CHARLES R. SPINE and SAMUEL MCMAHON, Somerville, N. J. Filed Dec. 8, 1922. Serial No. 605,676. 3 Claims. (Cl. 221—60.)

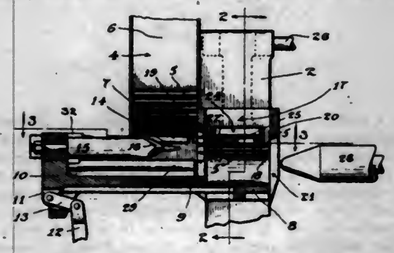
1. The combination with a compressible paste containing tube, of a holder therefor, comprising a metal strip having angle ends attached to a support, a follower plate on the holder to receive the threaded neck portion of the compressible tube therethrough, means locking said tube to said plate, a shaft journaled transversely of the support having a slot therein to receive the closed end of the tube, and an operating handle for the shaft.

2. The combination with a paste containing tube, of a holder therefor, including a strip having an angle lower end secured to a support, its upper end widened and also arranged at an angle and likewise secured to the support, the inturned portion of the last mentioned end providing a shelf which is slotted, outstanding ears on the ends of the widened portion in a line with the edges of the shelf, a follower plate slidable on the body



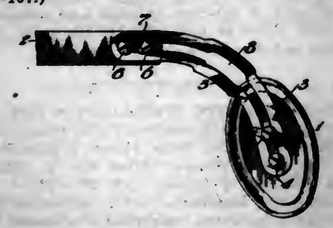
of the holder to receive the threaded mouth of the tube therethrough, means for locking the tube to the follower member, a slotted shaft journaled in bearings in the ears, and receiving in the slot therethrough the closed end of the tube, and an operating handle for the shaft.

1,481,237. MEANS FOR RE-FORMING CAN BODIES. SELAH E. WALKER, Wrangell, Alaska. Filed Oct. 5, 1920. Serial No. 414,845. 12 Claims. (Cl. 153—32.)



1. In an apparatus for the described purpose, the combination with a reciprocating horn for spreading deformed can bodies prior to the reforming thereof, of opening rods connected with and pivotally mounted relative to said horn and means for pressing said rods away from each other.

1,481,238. HERNIAL TRUSS. DANA L. CHESTERMAN and FRANK E. CHESTERMAN, Philadelphia, Pa. Filed Nov. 18, 1921. Serial No. 516,043. 1 Claim. (Cl. 128—107.)



In a truss, a pad, a body band, a reversible plate and securing and adjusting screws, said plate having

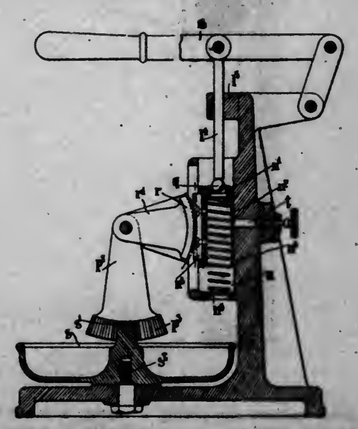
therein a slot continuous from end to end of the plate, the portion of said slot intermediate of the end portions thereof being of greater width than the widths of said end portions and being a communicating continuity of the latter.

1,481,239. DOOR. SIDNEY JAMES FOLLAND, Malad City, Idaho. Filed July 22, 1922. Serial No. 576,842. 2 Claims. (Cl. 20—20.)



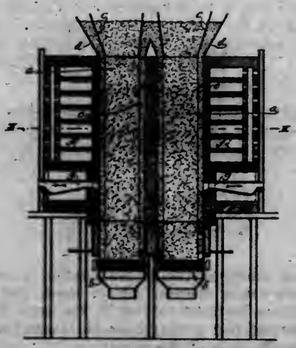
2. In combination with a door formed of separate sections hingedly connected together at their abutting edges, a bracket secured to each of the door sections upon opposite sides of the hinged connection and including outwardly extending legs connected at their outer ends, an offset arm extending from the point of connection of the legs and springs extending across the hinged connection and having their opposite ends secured to the opposite arms.

1,481,240. METHOD OF AND MEANS FOR GAUGING METAL OR OTHER ARTICLES. HENRY LEONARD HEATHCOTE, Coventry, England, assignor to Rudge-Whitworth, Limited, Coventry, England. Filed Feb. 10, 1920. Serial No. 357,731. 11 Claims. (Cl. 83—92.)



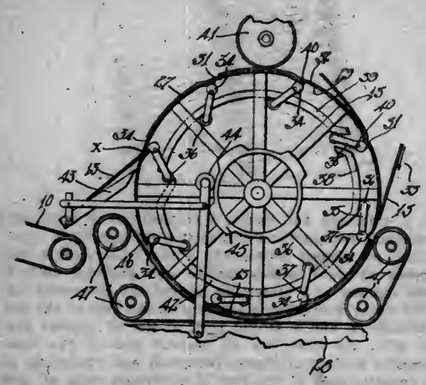
1. The method of gauging articles which consists in applying said articles to a gauging opening and indicating the differences between said articles by the differences in resistance afforded by a wall of said opening to the articles.

1,481,241. DISTILLATION OF ZINC. HEINRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1921. Serial No. 497,358. 13 Claims. (Cl. 75—153.)



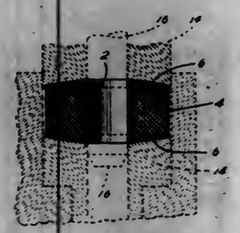
1. A process for the distillation of zinc from a mixture of zinc and carbon, consisting in continuously feeding said mixture through a heating retort, simultaneously feeding through said retort and around said mixture a layer of carbon, causing the heating of the contents of the retort to distill the zinc, withdrawing from said retort the gases of distillation containing the zinc, and withdrawing from the retort progressively the reside of its contents.

1,481,242. POLISHING DEVICE. JOHN J. MUELLER, Jr., Ottawa, Ill., assignor to Superior Metal Co., Bethlehem, Pa., a Corporation of Pennsylvania. Filed Oct. 23, 1922. Serial No. 596,283. 2 Claims. (Cl. 51—105.)



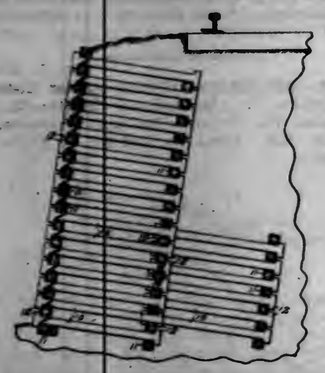
1. A device of the character described comprising a polishing and grinding wheel, a rotatably mounted drum having its peripheral walls closely adjacent the peripheral edge of said grinding wheel, clamps associated with said drum for clamping metal plates or the like thereto, and means associated with said clamping members for releasing certain of said clamping members on a portion of the circumference of said drum as said drum is rotated, whereby certain of said plates may remain in said clamping members for a complete revolution of said drum and the remainder of said plates may remain in said clamping members for a complete revolution of said drum.

1,481,243. BOBBIN AND METHOD OF PRODUCING THE SAME. REE V. SNYDER, St. Louis, Mo., and MALCOLM CURRY, Scarsdale, N. Y., assignors to The American Thread Company, New York, N. Y., a Corporation of New Jersey. Filed June 23, 1923. Serial No. 647,244. 8 Claims. (Cl. 242—161.)



2. A filled bobbin having, in combination, a core having thread cross-wound thereon into a mass, and disks of resilient fibrous material secured on the ends of the core and constructed and arranged so as to exert a yielding pressure on the ends of the mass.

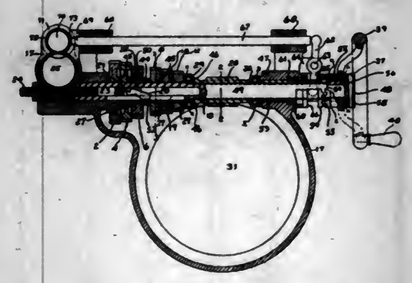
1,481,244. CRIBBING. JOHN S. HUNTOON, Detroit, Mich., assignor to Massey Concrete Products Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 27, 1922. Serial No. 564,082. 4 Claims. (Cl. 61—47.)



1. A retaining wall having a vertical tier of stretchers of constant rectangular cross section throughout, a vertical tier of headers alternating with the stretchers and disposed at right angles thereto and provided with T heads lapping and projecting beyond the respective adjacent upper and lower stretchers at one side of the tier of stretchers, and a second vertical tier of headers parallel with the first tier of headers and in the same respective horizontal planes therewith and projecting at the opposite side of the tier of stretchers, each of said second headers having an end portion lying between successive stretchers and provided with a T head lapping and projecting beyond said successive stretchers at the side of the tier opposite the heads of the first mentioned headers.

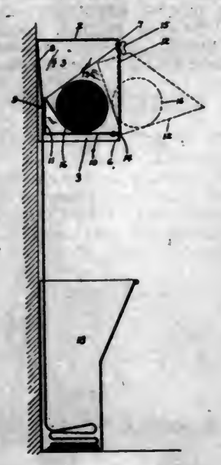
1,481,245. SAFETY HAND FEED. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 8, 1923. Serial No. 637,497. 5 Claims. (Cl. 74—7.)

1. A safety control for drilling machines; combining a spindle-feeding mechanism including a driven shaft; a plurality of gears arranged for actuation by power; means to connect said gears selectively with said driven-shaft, for power actuation thereof, said means including a shift-rod provided with a key and having a circular rack, and a rotatable pinion meshing with said rack; a hand-wheel journalled adjacent to said driven-shaft; means to couple said hand-wheel operatively with said



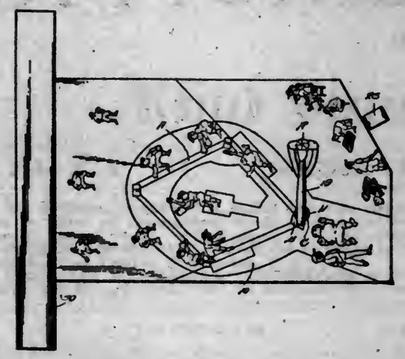
driven shaft at times; and a safety interlock comprising connections between said pinion and coupling-means, said safety interlock operating to disconnect said handwheel from said driven-shaft when any of said gears are connected thereto, and to connect said hand-wheel with said driven-shaft when said gears are disconnected therefrom.

1,481,246. TOWEL CABINET. FRANK M. STEINER, Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Oct. 16, 1920. Serial No. 417,466. 6 Claims. (Cl. 211—31.)



1. A towel cabinet comprising a casing, a towel container therein adapted to move outwardly to expose the container, a space being provided in the casing in the rear of the container to allow the feed of the towel, the loose end of the towel passing over the rear wall of the container and sliding thereon downwardly in said space when pulled by the user, and a tension device between which and said rear wall the towel is gripped.

1,481,247. BASEBALL GAME. HERVY P. WICKES, Charleroi, Pa. Filed May 14, 1921, Serial No. 469,474. Renewed June 16, 1923. 8 Claims. (Cl. 46—59.)



1. A game apparatus of the character described comprising a playing board having thereon an upright figure holding a bat, the bat being oscillatable in an approximately horizontal plane, resilient means urging the bat to a normal position, manually operable means for retracting the bat against the action of the resilient means and releasing the bat, means for simultaneously projecting a ball in a direction parallel to the figure and across the path of movement of the bat as it is acted on by the resilient means, and a support on the board, the ball projecting means being between said support and the bat when the bat is retracted, said support having a series of members mounted thereon in a line transverse to the path of movement of the ball when projected by the bat and constituting targets against which the ball may be projected when struck by the bat.

1,481,248. AUTOMATIC SIGHTING MECHANISM FOR AIRCRAFT GUNS. ELMER A. SPERRY, Brooklyn, N. Y. Filed Dec. 22, 1917. Serial No. 208,390. 24 Claims. (Cl. 33—47.)



1. In combination, a gun sight, a support therefor, means adapted to be set in accordance with the range of a target, means actuated in accordance with the angular velocity of said sight relative to said support and means controlled by said two first-named means for moving said sight.

Patents Nos. 1,481,249 to 1,481,784.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Issue of January 22, 1924.

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Labels	38—No.	26,774 to No.	26,811, inclusive.
Prints	12—No.	7,120 to No.	7,131, inclusive.
Reissues	2—No.	15,749 to No.	15,751, inclusive.
Designs	25—No.	63,814 to No.	63,838, inclusive.
Patents	536—No.	1,481,249 to No.	1,481,784, inclusive.
Total	646		

Notice—Application Drawings.

The following requirements concerning unnecessary drawings are still in force:

It has been observed that there is an increasing tendency to provide unnecessarily large illustrations which are longer than the width of the standard sheet. This in many instances necessitates the filing of additional sheets of drawing to accommodate the remaining figures. Rule 52, section 5, provides that "the scale to which a drawing is made ought to be large enough to show the mechanism without crowding, and two or more sheets should be used if one does not give sufficient room to accomplish this end; but the number of sheets must never be more than is absolutely necessary."

It was not intended by the first clause of this rule to authorize unnecessarily large illustrations. In all instances where it is possible the figures and reference letters or numerals must be so placed that the drawing may be read in an upright position. Placing the figures so that the sheet must be turned on its side in order that the drawing may be read not only adds to the difficulty in reading the specification in connection with the drawing, but where the illustration is so large as to require an additional sheet it imposes unnecessary expense upon the applicant.

In the future applicants will be required to limit the number of sheets to those which are *absolutely necessary* for the proper illustration of the invention described and claimed. If because of unnecessarily large illustrations or for other reasons an undue number of sheets are filed, a requirement will be made that the illustration be condensed upon a single or a reasonable number of sheets. 172 O. G. 835.

There are two principal reasons for the rule requiring drawings to be limited to as few sheets as possible consistent with a clear showing of the invention; one is that it has now come to be a serious problem to find space for the storage of drawings, whether they form a part of a patent or of an abandoned application, and the other is that it is a useless expense to photolithograph an unnecessary number of sheets of drawings for the purpose of attaching the same to patents. *Ex parte Pfaulz*, 159 O. G. 480.

To file unnecessary sheets of drawings is to increase the cost of photolithographing and to multiply the records, thereby delaying the Office [and attorneys] in making searches and placing an unnecessary burden upon applicants. *Ex parte Arndt*, 93 O. G. 751.

Notice of Cancellation.

U. S. Patent Office, *Washington, Jan. 10, 1924.*

Austin, Poor & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Austin, Poor & Co., of 72 Leonard Street, New York, N. Y., No. 54,319, dated June 26, 1906, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Austin, Poor & Co., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

CLASSIFICATION MANUAL.

A Manual of Classification of Patents in the United States Patent Office has been published, indicating the classes and subclasses as of January 1, 1924, on sheets about 6 inches by 9 inches, punched for insertion in a loose-leaf binder. An index is being prepared for publication. It is proposed to keep the Classification Manual current by reprinting necessary pages from time to time as changes in classification are made. While this is done primarily for the use of the Office, the Superintendent of Documents, Government Printing Office, Washington, D. C., on receipt of $1.00 will furnish a copy of the Manual of Classification at once, and for the same price will send, on publication, a copy of the index and copies of such pages as may be reprinted during the calendar years 1924 and 1925.

Condition of Applications Under Examination at Close of Business January 11, 1924.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, embodying Trade-Mark Division, 66,209; Trade-Mark Division, 2,212. Oldest new case: Apr. 9, 1923; oldest amended, Apr. 9, 1923. The dates given are 1923, with the exception of Printz and Lobain, which is 1924 (amended case).)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	Number of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 10	May 9	1,200
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 15	May 17	1,224
175	3. RICH, W. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	July 28	Aug. 20	1,067
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Drives; Excavating; Handling—Head and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	May 2	June 7	1,353
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 16	Apr. 20	1,446
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Apr. 13	June 14	1,837
312	7. JARBOE, D. G., Games and Toys; Optics; Photography	June 4	June 7	2,526
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	July 13	Sept. 4	1,061
221	9. TEYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 17	Dec. 22	724
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Draperies, Wheel Substitutes.	May 28	June 18	1,476
154	11. ARMSTRONG, E. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Aug. 10	Aug. 23	813
222	12. PIERCE, J. P., Machine Elements	May 25	June 13	1,173
220	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Drives, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 9	July 24	1,203
223	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 18	Nov. 21	1,056
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Utilization; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 16	May 2	1,901
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Apr. 13	Apr. 14	2,721
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	May 8	Aug. 2	1,365
229	18. PORTER, M. H., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Valves and Valve Devices.	Apr. 12	Apr. 12	2,053
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Aug. 7	Sept. 15	1,185
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 5	June 6	1,330
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Apr. 25	Nov. 7	914
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	May 21	July 19	474
217	23. GROSBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Apr. 26	May 5	656
144	24. DURAS, G. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 11	June 27	1,101
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Gas Separation.	Aug. 20	Sept. 22	873
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	May 9	May 4	973
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	May 16	May 26	1,224
226	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 2	1,318
147	29. MORRIS, R. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Cooperage; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Wood-working Tools.	Apr. 21	June 4	1,240
182	30. SULLIVAN, M. B., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-setting.	May 24	Oct. 20	1,108
172	31. HOLMES, W. M., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	May 21	June 14	1,401
129	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Apr. 9	Apr. 9	1,325
70	33. WYMAN, W. J., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	May 23	May 28	1,422
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	June 20	July 9	941
32	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 8	Sept. 4	842
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	June 26	June 26	1,526
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	May 9	May 8	1,787
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationary; Stoneworking; Wells.	Apr. 20	Apr. 21	1,610
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 19	Apr. 18	1,125
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 2	Oct. 1	1,936
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 7	June 27	957
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	May 19	May 26	1,750
362	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishing; Medicines; Beverage; Surgery; Liquid Separation or Purification.	May 16	May 1	1,724
263	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Perishable Receptacles; Railway Draft Appliances; Refrigeration.	Apr. 23	Aug. 15	1,067
270	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	July 6	June 27	1,400
232	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	June 27	July 26	1,175
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	May 12	Sept. 5	1,011
116	48. ROPKE, O. B., Electricity Conductors; Electricity, General Applications	Apr. 14	Apr. 14	2,270
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	June 1	July 6	516
102	DESIGNS: C. C. MARKHAM (Acting)	Nov. 17	Nov. 15	606
183	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. (Trade-Marks	Nov. 20	Dec. 15	2,043
	(Labels and Prints	Dec. 17	Jan. 2	109

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. Circuit Court of Appeals—Second Circuit.

THOMAS A. EDISON, INC., *v.* WATERBURY BATTERY CO.

Decided January 5, 1923.

[287 Fed. Rep., 320.]

1. PATENTS—1,167,499, CLAIM 1, FOR IMPROVEMENT IN PRIMARY BATTERIES, HELD NOT ANTICIPATED AND INFRINGED.

The Holland patent, No. 1,167,499, claim 1, for an improvement in primary batteries the novel feature of which is a ribbed zinc plate constructed so as to maintain its shape while a greater proportion of the metal is consumed than in ordinary batteries, *Held* not anticipated by prior patents or by defendant's prior plate, and also *Held* infringed by defendant's later plate, although circular and not flat in form.

2. SAME—1,061,541, CLAIMS 1 AND 5, FOR IMPROVEMENTS IN PRIMARY BATTERIES, HELD INVALID.

The Hudson and Elmes patent, No. 1,061,541, claims 1 and 5, for improvement in primary batteries the distinguishing feature of which is a thin place in the plate which will become a hole in the plate as the latter is eaten away, so as to give warning of the necessity of renewing the plate in a short time, with a raised rim around the thin spot, so that an observer will know where to look for the expected hole, *Held* invalid, the means disclosed being so obvious as to show no more than the exercise of mechanical skill.

APPEAL from the District Court of the United States for the District of Connecticut.

Suit by Thomas A. Edison, Inc., against the Waterbury Battery Company, for infringement of two patents. From a decree for plaintiff as to the first patent, and in favor of defendant as to the second patent (281 Fed. 254), both parties appeal. Affirmed.

STATEMENT OF THE CASE.

Suit is for alleged infringement of two patents owned by plaintiff, viz one to Holland, 1,167,499, granted January 11, 1916 (claim 1), and that to Hudson and Elmes, 1,061,541, granted May 13, 1913 (claims 1 and 5).

The Holland claim in suit is as follows:

In a primary battery, a substantially homogeneous zinc electrode plate having its edges thickened to prevent reduction in effective area during the operation of the battery, and having strengthening ribs extending from said thickened edges across said plate integrally therewith, substantially as described.

Claim 1 of Hudson's patent states the invention most broadly, thus:

In a primary battery, a positive plate having a depression of small area on the side farthest away from the negative element with which it coacts, for indicating the approaching necessity for renewal, substantially as described.

Both inventors assert that their discoveries relate to improvements in primary batteries, such as show a negative electrode consisting of a plate of oxide of copper or other depolarizing agent, and as a positive electrode a plate or plates of zinc. In both specifications the battery of Dodge (No. 894,487, July 28, 1908) is referred to as the type on which both inventors propose improvements, without, of course, limiting themselves to Dodge's particular design.

The improvements claimed relate to the zinc plate in batteries of the class referred to. Holland's object is to so construct such plates that the battery tquipped with his improvement—

shall have a higher and more uniform voltage, and a higher discharge rate than have batteries as commonly constructed, without proportionate increase in the amount of material used in the construction of the plate, and shall have increased efficiency and life.

These desirable results Holland proposes to reach by using "a much smaller proportion of zinc in excess of the theoretical required amount," but forming the zinc plate "with an integral flange or rib, or a plurality of ribs upon its surface," and preferentially "with a flange adjacent to its edges on the side adjacent to the copper oxide plate"; the result of which structural method is to make it possible for the body of the plate to be "much thinner than it otherwise must be, to maintain its shape after it has been considerably consumed."

Hudson's specification proposes but one change in the admittedly flat unribbed plate of the prior art, viz to form "a small depression in the side * * * farthest away from" the copper oxide plate. The depression makes a thin or thinner place in the zinc plate, which will wear away under the expected electrolytic action of the battery before any other part does so, and thus by predetermined correlation of the battery parts, when the thin place is worn through and a hole shows in the zinc, there is afforded an—

advance indication to the user of the approaching exhaustion of the plate, so that he may be prepared to renew the same.

Hudson preferred and shows (without limiting himself to that construction)—

a small depression (in the zinc) of a circular shape, surrounded with a raised rim for locating the spot which the user should watch for signs of wear.

The usual defenses were interposed and the trial court held the Holland patent valid and infringed, but declared no infringement of that to Hudson. Both parties then appealed.

Mr. J. Edgar Bull and *Mr. George F. Scull* for the plaintiff.

Messrs. Dunn, Goodlett & Massie and *Mr. C. A. L. Massie* for the defendant.

Before HOUGH, MANTON, and MAYER, Circuit Judges.

HOUGH, *Cir. J.* (after stating the facts as above):

[1] In respect of the Holland patent, it is not necessary to go at length into the earlier art and its relation to this suit; that labor has been sufficiently performed by the district court. The question at bar may be thus stated. Recognizing the comparative antiquity of primary batteries having zinc and copper electrodes immersed in electrolyte, was it patentable invention to design, mold, or fashion the zinc electrode in the manner disclosed by the patentee?

Holland did not invent a battery. Admittedly he took Dodge's battery and refashioned its zinc in such wise as—

to prevent reduction in effective area during the operation of the battery.

That was the object of the means which he patented; it was the result of his refashioning. He attained this result for reasons to be briefly stated later, but we note now that his introduction of the above-quoted phrase in the claim does not make the claim any better; nor, on the other hand, does it invalidate. If these words of self-congratulation had been omitted, the result would have been reached just the same and the disclosure would have been just as meritorious.

Holland's concept of invention as fully disclosed is this: The zinc plate of Dodge, and generally speaking the zinc electrode of commerce was a smooth unribbed plane of zinc of uniform thickness when new. During battery service, zinc is, so to speak, the fuel of the battery; it is consumed by electrolytic action. For metallurgical reasons it wears away unevenly, and experience expects it in time to pit and develop holes. Thus the plate increasingly becomes structurally weaker and (as no current is propagated from a hole) it also decreases in effective area. Furthermore, for chemical or electrical reasons, obscure, but known by results, this wearing away is apt to be especially marked at the edges of the plate.

Theoretically it is possible to calculate with exactitude the amount of zinc that should be consumed during the predetermined life in ampere hours of any given battery, and theoretically, therefore, a battery maker should provide a zinc plate of just sufficient weight and substance to economically furnish fuel for the calculated battery life. Practically, however, owing to imperfections in metal, and to the fact that zinc is not consumed as if by pealing off layers of uniform thickness from the plate surface, it is always necessary to put in an electrode of that metal, far more material than is theoretically sufficient to furnish fuel during the battery life. It is testified that as much as from 60 to 70 per cent of excess metal is added.

As a partially-consumed plate does not furnish the same area for electrolytic action, it follows that in batteries which (during cold weather especially) may be called on for their extreme calculated current, the absence of "effective area" produces lack of effective or calculated power. Holland bettered this situation by making a plate that looks somewhat like a paneled door with a thickened exterior edge and interior ribs or strengthening bars, the panels being much thinner than in the smooth ribbed plate. By this means he produced a plate which, being flanged on its edges, would better withstand electrolytic wear in those parts which especially diminished effective area. His ribs gave structural strength, and therefore his panels could be thinned; the whole being in weight much nearer the theoretical zinc requirements for predetermined battery life.

In result, we find Holland's plate is economical in that the excess over theoretical zinc requirement is smaller, and the maintenance of effective area better than in the prior plain and unribbed zinc electrode. This was, we think, invention, and very plainly so.

As to the prior art, we think defendant's so-called "W. B. Co." plates so much the best reference that none other need be mentioned. We assume (but do not find) that before Holland's effective date this defendant (or its predecessors) made plates upon which were placed as a sort of trademark the letters (in a kind of monogram) "W. B. Co." This required additional zinc, and the formation of the letters produced what might have served as strengthening ribs, if any were needed; but we agree with the court below that the only purpose of this monogram addition was to identify or advertise defendant's wares. There was no reduction of zinc used; on the contrary, there was probably addition. Consequently what was done did not accomplish Holland's result. The "W. B. Co." plates do not infringe, and therefore would not have anticipated, if earlier. Nor did they so instruct the man skilled in the art as to leave no room for invention in respect of Holland's concept and accomplishment.

As to infringement, it is admittedly true that the article decreed to infringe is not a flat plate, but a circular one. It is, however, ribbed, strengthened, and flanged in the manner and for the purposes disclosed by Holland.

In this court especial emphasis is laid on the invention of Thomson (866,748) as showing, if not invalidity, certainly noninfringement. The use of Thomson's device on this appeal is a good example of the case with which mere form tends to assume undue importance. Thomson shows a circular plate somewhat like defendant's. He also discloses and claims what he calls a "lip" upon each of the vertical edges of his circular zinc; that is, he turned back the zinc plate upon itself, and he did it—

to preserve the life of battery zincs and to save at least half their value, which, as at present used, is wasted.

But examination of the patent shows that Thomson's sole concept, his desired result, was to prevent in a *partially* submerged zinc the more rapid wearing away of the plate at the surface of the electrolyte. Let it be assumed that Thomson prevented his plate from being eaten in two or severed at the electrolytic surface, as soon as it otherwise would have been, and that he did so by means of his turned-over lip. But this is a different thing from changing the structure of the entire plate in such wise as to present to electrolytic action an entire plate surface thickened and thinned at the places where each would be most serviceable for maintaining both effective area and structural strength.

[2] As to the Hudson patent, we entirely agree with the court below that no infringement is shown; but we are also of opinion that the patent itself is invalid. Starting with the knowledge that in any zinc plate holes would certainly appear in time, this patentee (at most and best) deliberately made a weak spot—i. e., a thin place—in the plate of the prior art. He thinks that zincs "wear away during electrolytic action quite evenly"; therefore he made a thin place, how thin he does not say, but thin enough so that, when it wore through, the user would be advised that the plate would "have to be removed shortly, say in from two or four weeks' time." He then put a raised rim around the thin spot, so that an observer would know where to look for the expected hole.

Assuming this method of observation as desirable, the means disclosed are so obvious that we hold them, as matter of fact, no more than the exercising of mechanical skill. As neither appellant has succeeded, the decree is affirmed, without costs.

Court of Appeals of the District of Columbia.

IN RE BUDD AND LEDWINKA.

No. 1588. Decided December 3, 1923.

ANTICIPATION—SUBSTITUTION OF EQUIVALENTS.

A two-part hub which includes an inner tapered part, polygonal in cross section, and an outer part having a cooperating seat of similar cross section is anticipated by a patent covering the same sort of a combination having a conical seat and which states in the specification that "various means are in use for locking the hub parts * * * against turning one on another," a patent in which ribs and grooves are used for this purpose, and another in which a tapered seat of polygonal cross section is shown.

Before SMYTH, Chief Justice, ROBB, Justice, and MARTIN, Presiding Judge, U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing to allow claims 7, 8, 13 and 14 of appellant's application for a patent on a two-part hub structure for a demountable automobile wheel, in which the inner hub part is permanently mounted to rotate on a fixed axle. The outer hub part carries the wheel structure and is rigidly located upon the inner hub member, but capable of being unlocked and removed therefrom. Claim 8 is sufficiently illustrative and is here reproduced:

8. In a wheel structure, the combination of an inner hub member having a tapered seat of polygonal cross-section, an outer hub member having, near its inner end, a cooperating seat of similar cross-section and, adjacent its outer end, an internal conical surface, and a nut threaded on said inner hub member and exerting a thrust against the conical surface on the outer hub member.

It is sought to distinguish this claim from the patent to House (No. 1,166,130, Dec. 28, 1915), covering the same sort of a combination, because it calls for "a tapered seat of polygonal cross-section." In the House patent the corresponding seat is conical in shape, but in the specification House states that "various means are in use for locking the hub parts together against turning on one another." In the French patent to Gaillard (No. 457,693, Sept. 23, 1913), ribs and grooves are employed for this purpose, while in the French patent to Offrion (No. 452,312, May 14, 1913), "a tapered seat of polygonal cross section" is shown.

It was the view of the Patent Office that the slight change in appellant's structure did not rise to the dignity of invention, especially in view of the references; in other words, that the result might have been achieved by a skilled mechanic. After giving due weight to appellant's argument and brief, we are constrained to agree with the tribunals of the Patent Office, in whose decisions the question is fully and satisfactorily discussed. The decision therefore is affirmed.

Affirmed.

ADJUDICATED PATENTS.

(C. C. A. Ind.) The Schemmel patent, No. 51,804, for design for a finishing welt, *Held* invalid. *Backstay Machine & Leather Co.* v. *Zenite Metal Co.*, 293 Fed. Rep. 23.

(D. C. N. J.) The Robeson patent, No. 833,634, for process of treating waste sulfite liquor and resulting product, *Held* not infringed. *Robeson Process Co.* v. *Robeson*, 293 Fed. Rep. 70.

(D. C. Del.) The Smith patent, No. 943,280, for improvements in bessemerizing copper matte, claims 1, 2, and 3 *Held* valid and infringed. *Peirce-Smith Converter Co.* v. *United Verde Copper Co.*, 293 Fed. Rep. 108.

(D. C. N. J.) The Robeson patent, No. 1,060,029, for process of treating roads, *Held* not infringed. *Robeson Process Co.* v. *Robeson*, 293 Fed. Rep. 70.

(D. C. Del.) The Werner patent, No. 1,161,094, for cash register, claims 21 and 22 *Held* invalid. *National Cash Register Co.* v. *Remington Arms Co.*, 293 Fed. Rep. 123.

(C. C. A. Ind.) The Schemmel patent, No. 1,226,600, for a finishing welt, claims 1, 2, 5, and 6 *Held* valid and infringed and claims 3 and 4 *Held* invalid. *Backstay Machine & Leather Co.* v. *Zenite Metal Co.*, 293 Fed. Rep. 23.

(D. C. Del.) The Martin patent, No. 1,232,705, for cash register, claims 42, 43, and 44 *Held* void for lack of invention. *National Cash Register Co.* v. *Remington Arms Co.*, 293 Fed. Rep. 123.

(D. C. Del.) The Fuller patent, No. 1,394,256, for cash register, claims 87 to 94 *Held* not infringed. *National Cash Register Co.* v. *Remington Arms Co.*, 293 Fed. Rep. 123.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

823,170, A. Hirsch, Universal pelt stretcher, suit filed Dec. 10, 1921, D. C., E. D. Wis., Doc. 1169 C. D., *The American Foundry Equipment Co.* v. *The L. J. Mueller Furnace Co.* Bill dismissed for want of equity, Nov. 2, 1923.

958,478, W. E. Davey, Process of reenforcing trees. Consent decree, final injunction against defendant, Nov. 19, 1923, D. C. Minn., *The Davey Tree Expert Co.* v. *G. B. Nickelson.* Same, Consent decree, final injunction against defendant, Nov. 19, 1923, D. C. Minn., *The Davey Tree Expert Co.* v. *O. W. Lothson.* Same, suit filed Oct. 29, 1923, D. C.

Minn., Doc. E 647, *The Davey Tree Expert Co.* v. *Holm & Olson, Inc.* Consent decree, final injunction against defendant, Nov. 14, 1923.

1,071,039, E. H. Ford, Hand-threading antisuction shuttle, suit filed June 6, 1921, D. C. Mass., Doc. E 1131, *E. H. Ford* v. *Pierce Bros., Ltd., et al.* Final consent decree dismissing bill, Sept. 17, 1923.

1,126,379, A. A. Brown, Trousers, Consent order Oct. 24, 1923, discontinuing suit, D. C., S. D. N. Y., *Brown Method Co., Inc.*, v. *J. Eisner & Co., Inc., et al.*

1,141,122, A. T. Kliegl, Stage footlights, suit filed Feb. 24, 1922, D. C., S. D. N. Y., Doc. E 23/143, *A. T. Kliegl* v. *Murray and Murray* (*N. Y. Calcium Light Co.*). Decree in favor of plaintiff, sustaining patent as to claims 1, 2, 3, 4, 5, 6, 8, and 10, adjudging infringement as to said claims, and granting injunction, Nov. 23, 1923.

1,213,337, M. Conde, Game apparatus, suit filed Nov. 20, 1923, D. C., S. D. N. Y., Doc. E 28/47, *L. A. Elfman* v. *Singer Bros. Import and Export, Inc.*

1,248,756, C. C. Tomkinson, Counter-weighted sectional doors, suit filed Mar. 7, 1923, D. C., E. D. Wis., Doc. 1302 C. D., *Galland-Henning Mfg. Co.* v. *Logemann Bros. Co.* Bill dismissed for want of equity, Nov. 6, 1923.

1,336,091, O. T. Scharmann, Water-circulating pumps for combustion engines, suit filed Mar. 6, 1923, D. C., E. D. Wis., Doc. 1301 C. D., *Lang & Scharmann et al.* v. *The Prime Mfg. Co. et al.* Bill dismissed for want of equity, Nov. 6, 1923.

1,383,485, J. M. Richardson, Davenport, suit filed Nov. 12, 1923, D. C., E. D. Wis., Doc. 1367 C. D., *The Electric Storage Battery Co.* v. *Perlick Brass Co.*

1,401,942, Benzer & Benzer, Side wind deflector, suit filed Mar. 9, 1922, D. C., S. D. N. Y., Doc. E 23/188, *The Benzer Corp.* v. *Dresner, Dresner & Place* (*Bronx Electric Plating Co.*). Final decree in favor of plaintiff sustaining patent, adjudging infringement and granting injunction, Nov. 20, 1923.

1,423,237, T. G. McGirr, Machines for applying hoods to articles, suit filed Oct. 10, 1923, D. C., E. D. N. Y., Doc. 1322, *T. G. McGirr* v. *American Safety Razor Corp.* Suit discontinued Oct. 29, 1923.

1,431,260, H. Rosen, Button-making machine, suit filed Nov. 21, 1923, D. C., S. D. N. Y., Doc. E 28/49, *H. Rosen et al.* v. *Parness, Parness & Alster* (*Liberty Button Works*).

1,461,504, G. Tanzi, Macaroni dies, suit filed Oct. 23, 1923, D. C., E. D. N. Y., Doc. 1339, *G. Tanzi* v. *A. Paterno* (*F. Paterno & Sons*). Same, Doc. 1340, *G. Tanzi* v. *Modern Macaroni Mfg. Co.* Same, Doc. 1341. *G. Tanzi* v. *Savoia Macaroni Mfg. Co., Inc.*

1,468,535, W. B. Laskey, Die for making porous candles, suit filed Oct. 22, 1923, D. C., E. D. N. Y., Doc. 1336, *The Chocolate Sponge Co., Inc.*, v. *W. B. Laskey.*

1,468,923, M. H. Rhodes, Razor-stropping device, suit filed Nov. 24, 1923, D. C., S. D. N. Y., Doc. E 28/63, *Gropper Knitting Mills, Inc.*, v. *A. A. Kahil, Inc.*

Des. 62,874, H. Weisinger, Ladies' felt slippers, suit filed Oct. 27, 1923, D. C., S. D. N. Y., Doc. E 27/260, *International Footwear Co., Inc.*, v. *Rubin Bros.* Preliminary injunction denied, Nov. 23, 1923.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,339,823, P. C. Harbaugh, Ticket-dispensing device, decided December 12, 1923, claim 1.

Pat. 1,380,551, B. E. Getz, Wringer mechanism for washing machines, decided January 10, 1924, claims 3 and 6.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Jan. 8, 1924.*

Michael Bellegay, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Michael Bellegay, of 3201 Franklin Building, Chicago, Ill., and an application for patent filed by Michael Bulka, of 1934 North Avenue, Chicago, Ill., and the Office having failed to secure service on said Bellegay, notice is hereby given that unless said Bellegay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 9, 1924.*

Dudley E. Mackey, his assigns or legal representatives, take notice:

An interference having been declared by this Office between W. Wm. Winberg, Fourth and Linden Streets, Wilmette, Ill., for registration of a trade-mark and trade-mark registered February 5, 1907, No. 60279, to Dudley E. Mackey, 254 East Street, Springfield, Ohio, and a notice of such declaration sent by registered mail to said Dudley E. Mackey at the said address, as well as to State College, Pa., the address given by the attorney of record, having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Dudley E. Mackey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 3, 1924.*

Sara A. Devlin, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Kosmos Chemical Company, 120 East Sixth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered February 24, 1903, No. 39,845, to Sara A. Devlin, 80 Henry Street, Detroit, Mich., and a notice of such declaration sent by registered mail to said Devlin at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Devlin, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 22, 1924.

[VOL. 318. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 103,221. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE CHRISTIAN MOERLEIN BREWING CO., Cincinnati, Ohio. Filed Apr. 23, 1917.



Particular description of goods.—Near Beer.
Claims use since about Feb. 8, 1909.

Ser. No. 130,663. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ENGELHARD & SONS COMPANY, Louisville, Ky. Filed Apr. 5, 1920.

CHEROKEE

Particular description of goods.—Coffees, Teas, Extracts for Flavoring Purposes, Canned Fruits, Canned Vegetables, and Rice.
Claims use since Mar. 1, 1902.

Ser. No. 145,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. WM. WINBERG, doing business as Sano Pharmacal Co., Wilmette, Ill. Filed Mar. 28, 1921.

SANO

Particular description of goods.—Milk of Magnesia, Headache Powders, Pile Ointment, Corn Remedy, Cold Cream; Sano Cream Lotion, a Preparation for Chapped Skin; Gargle; Sano Liniment for Rheumatism, Cuts, and Sprains; Skin Beautifier, for Surface Application to Cover Tan, Freckles, and Blemishes of the Skin; a Preparation for Headache, Insomnia, Neuralgia, Nervousness; a Face Lotion to Prevent Blackheads, Chapping; Poison to Kill Body Vermin, a Laxative for the Bowels; White Pine, for Coughs, Colds.
Claims use since 1889.

Ser. No. 157,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Filed Jan. 7, 1922.



No trade-mark rights claimed in the word "Brand" or in the representation of the medals or in the reading matter descriptive of the medals apart from the other features shown in the drawing. The lining on the drawing is for shading purposes only.

Particular description of goods.—Evaporated Milk.
Claims use since about January, 1901.

Ser. No. 165,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. G. KING, doing business as Eureka Medicine Co., Douglas, Nebr. Filed June 10, 1922.

Eureka

Particular description of goods.—Proprietary Medicine—Namely, a Preparation for Hay Fever.
Claims use since May 15, 1922.

Ser. No. 165,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS COMPANY, Portland, Oreg. Filed June 12, 1922.

Chief Wauna

Particular description of goods.—Canned and Dehydrated Fruits and Canned and Dehydrated Vegetables.
Claims use since Apr. 25, 1922.

Ser. No. 165,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CYRUS COFFMAN, doing business as Coffman Commercial Company, Buffalo, N. Y. Filed June 19, 1922.



Particular description of goods.—Fresh Oranges and Apples.
Claims use since Jan. 5, 1921.

Ser. No. 166,101. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RUBSAM SALES COMPANY, Cleveland, Ohio, and Jackson, Mich. Filed June 26, 1922.

R M

Particular description of goods.—Vehicle Wheels, Felly Bands, Rims for Supporting Rubber Tires, and Appurtenances for Such Rims, Specifically Rim Nuts, Rim Bolts, and Rim Clamps.
Claims use since Dec. 1, 1921.

Ser. No. 167,308. (CLASS 32. FURNITURE AND UPHOLSTERY.) CHARLES M. JEWELL, Tulare, Calif. Filed July 24, 1922.

JEWELL'S
SPORTBED

No claim is made to the word "Sportbed" apart from the mark shown.
Particular description of goods.—Collapsible Beds, Such as Sport Beds or Camp Cots.
Claims use since June 1, 1922.

Ser. No. 168,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNY LANDIN, doing business as The Virozol Co., New York, N. Y. Filed Aug. 17, 1922.



Particular description of goods.—Toilet Preparations—Namely, Face Bath, Hair Tonic, Almond Cream, Eye Tonic, Hand Cream, and Face Powder.
Claims use since about 1918.

Ser. No. 168,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. H. CATELLI CO. LIMITED, Montreal, Quebec, Canada. Filed Aug. 24, 1922.

HIRONDELLE

Particular description of goods.—Alimentary Pastes.
Claims use since Oct. 1, 1908.

Ser. No. 168,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT G. GROBLEWSKI & CO., INCORPORATED, Plymouth, Pa. Filed Aug. 29, 1922.



No claim is made to the words "Liniment" and "Rattlesnake Brand" apart from the association shown.
Particular description of goods.—Liniments for Use in Cases of Muscular Rheumatism, Stiff Neck, Pains in the Sides, Chest, and Back, Headache.
Claims use since January, 1900.

Ser. No. 169,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KEMP & LANE, INC., Le Roy, N. Y. Filed Sept. 5, 1922. Under ten-year proviso.

LANE'S

Particular description of goods.—Preparation for the Treatment of Disorders of the Stomach and Bowels.
Claims use since Feb. 1, 1891.

Ser. No. 169,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE ROBERT HOARE, doing business as The Vitaregis Water Company, London, England. Filed Sept. 9, 1922.

VITAREGIS

Particular description of goods.—Aperient Waters and Salts for Human Use for Use in Medicine and Pharmacy.
Claims use since Apr. 2, 1908.

Ser. No. 169,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. J. KRANK MFG. CO., St. Paul, Minn. Filed Sept. 11, 1922.

SPORICIDE

Particular description of goods.—Antiseptic for Skin Infections and Irritations.
Claims use since Oct. 21, 1910.

Ser. No. 169,431. (CLASS 38. PRINTS AND PUBLICATIONS.) AERONAUTICAL DIGEST PUBLISHING CORPORATION, New York, N. Y. Filed Sept. 14, 1922.

Aeronautical Digest

Particular description of goods.—Magazine.
Claims use since Oct. 1, 1921.

Ser. No. 169,518. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GUSTAV W. STAMM, doing business as Stamm Manufacturing Company, St. Paul, Minn. Filed Sept. 15, 1922.

Craftstone

Particular description of goods.—Statuary and Bric-a-brac.
Claims use since Aug. 1, 1922.

Ser. No. 169,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPECIAL CHEMICALS COMPANY, Highland Park, Ill. Filed Sept. 22, 1922.

Laconique

Particular description of goods.—Tooth Paste.
Claims use since on or about Aug. 21, 1922.

Ser. No. 170,304. (CLASS 37. PAPER AND STATIONERY.) NATIONAL STATIONERY STORES, INC., Chicago, Ill. Filed Oct. 4, 1922.



Particular description of goods.—Pad Calendars, Eyelets, Envelopes, Writing Tablets.
Claims use since May 31, 1922.

Ser. No. 170,327. (CLASS 17. TOBACCO PRODUCTS.) CHARLES EDEN, doing business as F. H. Crygier Tobacco Company, Hartford, Conn. Filed Oct. 5, 1922.

PENROD

Particular description of goods.—Cigars.
Claims use since March, 1918.

Ser. No. 170,451. (CLASS 37. PAPER AND STATIONERY.) THE TEL-U-KOD CO., INC., Baltimore, Md. Filed Oct. 7, 1922.

TEL-U-KOD

Particular description of goods.—Printed Code Cards.
Claims use since Aug. 15, 1922.

Ser. No. 170,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH R. ZANE, doing business as The Zane Drug Co., South Pasadena, Calif. Filed Oct. 17, 1922.

THE ZANE R. R. Zane DRUG CO.

The "R. R. Zane" appearing on the drawing is a facsimile of applicant's signature.
Particular description of goods.—Toilet and Medicinal Preparations—Namely, Face Cream, Dental Cream, and Milk of Magnesia.
Claims use since Aug. 1, 1922.

Ser. No. 170,987. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES PICKER INC., New York, N. Y. Filed Oct. 20, 1922.



No claim made to the words "X-Ray Accessories," "New York City," and the representation of an X-Ray lamp, apart from the mark shown on the drawing.
Particular description of goods.—X-Ray Apparatus, Supplies, Materials, and Accessories for Medical, Surgical, and Dental Use.
Claims use since December, 1914.

Ser. No. 172,111. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JARRETT RAINSFORD & LAUGHTON, LIMITED, Birmingham, England. Filed Nov. 16, 1922.

VELVA

Particular description of goods.—Pins—Namely, Toilet Pins, Safety Pins, Knitting Pins, Hatpins, Tie Pins, Hairpins, Curling Pins; Hair Curlers, Hair Wavers, Snap Fasteners, Coat Chains, Hooks and Eyes, Shirt and Sleeve Links, Needles, Press Studs, Thimbles for Sewing, Crochet Hooks, and Button Hooks, All of Nonprecious Metal.
Claims use since Mar. 10, 1921.

Ser. No. 173,080. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. J. HAGUE & CO. INC., New York, N. Y. Filed Dec. 8, 1922.

HANDY DANDY

Particular description of goods.—Hairpins, Toilet Pins, and Combs, All of Nonprecious Metal.
Claims use since 1918.

Ser. No. 173,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORA D. MCCLINTOCK, doing business as Doris Curler Company, Chicago, Ill. Filed Dec. 23, 1922.

Doris

Particular description of goods.—Hair Lotion.
Claims use since Jan. 8, 1922.

Ser. No. 174,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MENLEY & JAMES, LIMITED, New York, N. Y. Filed Jan. 3, 1923.

SINAPEX

Particular description of goods.—Anodyne, Rubefacient, Counterirritant, Capillary Stimulant; Preparation for Neuralgia, Tonsillitis, Mumps, Hoarseness, Stiff Neck, Colds, Coughs, Croup, Bronchitis, Lame Joints, Stiffness of the Limbs, Sprains, Bound Muscles, Bruises, Lumbago, Sciatica, Neuritis, Hay Fever, and Catarrhal Conditions.
Claims use since Apr. 12, 1922.

Ser. No. 174,177. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

Pyramidon

"Pyramidon."
Particular description of goods.—Remedies Against Fever, Rheumatism, and Neuralgia.
Claims use since December, 1896.

Ser. No. 174,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

Orthoform

"Orthoform."
Particular description of goods.—Anæsthetics and Antiseptics.
Claims use since August, 1897.

Ser. No. 174,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

SUPRARENIN

"Suprarenin."
Particular description of goods.—Preparation for the Treatment of Diseases of the Eye, Nose, Larynx, Bladder, Urethra, Uterus, and in Surgical Operations to Stop the Flow of Blood and for the Treatment of Internal Diseases.
Claims use since May, 1903.

Ser. No. 174,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

ALBARGIN

"Albargin."
Particular description of goods.—Remedies for Gonorrhea.
Claims use since January, 1901.

Ser. No. 174,181. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

Anaesthesine

Particular description of goods.—Anæsthetics.
Claims use since December, 1901.

Ser. No. 174,182. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ LABORATORIES, INC., New York, N. Y. Filed Jan. 4, 1923.

Holocain

"Holocain."
Particular description of goods.—Local Anæsthetics for Ophthalmological Purposes.
Claims use since April, 1897.

Ser. No. 174,652. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed Jan. 16, 1923.

BOYSHFORM REALONG

Particular description of goods.—Brassières.
Claims use since June 8, 1920.

Ser. No. 175,105. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE BISDON MANUFACTURING COMPANY, Naugatuck, Conn. Filed Jan. 25, 1923.

SAFEGUARD

Particular description of goods.—Safety Pins.
Claims use since Aug. 16, 1922.

Ser. No. 175,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FUMICOL PRODUCTS COMPANY, Lowell, Mass. Filed Feb. 10, 1923.

FUMICOL

Particular description of goods.—Preparations for the Treatment of (A) Rheumatism, Pains and Swellings, Aches, Stiffness, Colds, Sore Throat, (B) Whooping Cough, Asthma, Bronchitis, Catarrh, Hay Fever, Lung Diseases, (C) Imperfect Digestion, Liver Complaints, Constipation, Kidney Troubles, Dizziness, and Disorders of the Alimentary Tract.
Claims use since Mar. 23, 1922.

Ser. No. 177,853. (CLASS 37. PAPER AND STATIONERY.) LEATHER PRODUCTS & FINISHING CO., Los Angeles, Calif. Filed Mar. 22, 1923.

BILT-RITE

Particular description of goods.—Check Covers, Pass Books, Special Cloth Price Books, and Sales-Book Covers.
Claims use since Dec. 15, 1922.

Ser. No. 177,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO SULPHUR CO., San Francisco, Calif. Filed Mar. 22, 1923.

Vesuvius

Particular description of goods.—Sulphur.
Claims use since about November, 1915.

Ser. No. 178,015. (CLASS 39. CLOTHING.) THE SHIRLEY V. WRIGHT SHOE COMPANY, St. Louis, Mo. Filed Mar. 24, 1923.

SMART LOOK ARCH IMPROVER

No claim is made to the words "Arch Improver" apart from the mark as shown in the drawing.
Particular description of goods.—Leather Shoes.
Claims use since Mar. 1, 1923.

Ser. No. 178,606. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HARGREAVES, INCORPORATED, Detroit, Mich. Filed Apr. 5, 1923.

HARGREAVES H CORD

No claim is made to the word "Cord" apart from the other features of the mark.
Particular description of goods.—Pneumatic Automobile Tires, Composed of Rubber and Fabric, Including Cord Fabric.
Claims use since November, 1922.

Ser. No. 180,263. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ARON & COMPANY, INC., New York, N. Y. Filed May 7, 1923.

ARONCO

Particular description of goods.—Green Coffee.
Claims use since Oct. 7, 1921.

Ser. No. 180,951. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TOLEDO SUPPLY COMPANY, Toledo, Ohio. Filed May 21, 1923.

MAGIC

Particular description of goods.—Tack Rags and Tack Cloths for Collecting Dust and Lint from Surfaces of Objects.
Claims use since August, 1921.

Ser. No. 181,105. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATHANIEL BALDWIN INCORPORATED, Salt Lake City, Utah. Filed May 25, 1923.

LISTENING IN The WORLD OVER

No claim is made to the phrase "Listening in" apart from the mark as shown.
Particular description of goods.—Radiophones.
Claims use since Feb. 28, 1923.

Ser. No. 181,386. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ANDREW J. CZARNIECKI, Plymouth, Pa. Filed May 31, 1923.

ELECTRIC MASSAGE

Particular description of goods.—Soap.
Claims use since Feb. 16, 1923.

Ser. No. 181,399. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HYGIENIC MANUFACTURING COMPANY, Chicago, Ill. Filed May 31, 1923.

IAMA

Particular description of goods.—Spray Nozzles for Washing Pots, Pans, and Dishes.
Claims use since May 25, 1923.

Ser. No. 181,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF D. LINDEMANN & SON, New York, N. Y. Filed June 13, 1923.

JOUBERT

Particular description of goods.—Perfume, Toilet Water, Sachet, Cold Cream, Greaseless Cream, Almond Cream, Face Powder, Rouge, Lip Stick, Deodorant, Hair Tonic, Talcum Powder, Eyebrow Pencil, Brilliantine, Tooth Paste, and Liquid Nail Polish.
Claims use since Oct. 13, 1918.

Ser. No. 182,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID H. HAMMONS, Inglewood, Calif. Filed July 5, 1923.

ALL IN ONE

Particular description of goods.—Poultry Foods.
Claims use since December, 1903.

Ser. No. 182,961. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) COCO-COLA BOTTLING COMPANY OF ATLANTIC CITY, Atlantic City, N. J. Filed July 9, 1923.

Absecon Club

Particular description of goods.—Nonalcoholic, Maltless Bottled Soft Drinks and Bottled Waters, Both Carbonated and Still.
Claims use since May 17, 1923.

Ser. No. 183,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. ARCHIBALD, Jr., San Francisco, Calif. Filed July 11, 1923.

F G F

Particular description of goods.—Canned, Dried, and Preserved Fruits; Canned Fish and Canned Vegetables and Canned Fruit Salad.
Claims use since Jan. 1, 1923.

Ser. No. 183,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRSCH BROTHERS CO., Chicago, Ill. Filed July 16, 1923.

Particular description of goods.—Cake Mix (a Mixture of Flour and Other Ingredients, All Prepared for Baking Cakes).
Claims use since Aug. 26, 1922.

Ser. No. 183,299. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Roberts, Johnson & Rand Company, St. Louis, Mo. Filed July 16, 1923.

SENSATION

Particular description of goods.—Women's and Children's Shoes Made of Leather.
Claims use since 1898.

Ser. No. 183,302. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Roberts, Johnson & Rand Company, St. Louis, Mo. Filed July 16, 1923.

STAR CALF

The word "Calf" is disclaimed apart from the mark shown.
Particular description of goods.—Men's and Children's Shoes of Leather.
Claims use since 1907.

Ser. No. 183,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed July 17, 1923.

Diphthosan

Particular description of goods.—Medicinal Preparations for Internal and External Use for the Treatment of Infectious Processes and Inflammatory Conditions of the Nose, Mouth, and Throat, Especially Diphtheria.
Claims use since Apr. 11, 1921.

Ser. No. 183,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed July 17, 1923.

Flavicid

Particular description of goods.—Medicinal Preparations for Internal and External Use for the Treatment of Infectious Processes, in Skin Diseases and Inflammatory Conditions of the Nose, Mouth, and Throat, Especially Diphtheria, for Prophylactic and Surgical Skin Disinfection, and for the Dressing of Wounds.
Claims use since Nov. 15, 1919.

Ser. No. 183,334. (CLASS 31. FILTERS AND REFRIGERATORS.) DRY-ZERO INSULATION CO., Oakland, Calif. Filed July 17, 1923.

DRY - ZERO

Particular description of goods.—Refrigerators, Refrigerator Compartments, Ice-Cream Cabinets, and Refrigerator Wall Sections.
Claims use since February, 1922.

Ser. No. 183,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed July 23, 1923.



Applicant hereby disclaims the exclusive use of the words "New York, U. S. A." apart from the mark as shown in the drawing. The mark is represented in colors as follows: The body of the banner which occupies the center of the mark is black, with border, rod, cords, and tassels of gold; the background visible above and below the banner is red; the outer border of the mark is yellow, with a margin of red.
Particular description of goods.—Bakers' Products, Such as Biscuits, Crackers, Wafers, Cookies, and Cakes.
Claims use since about 1907.

Ser. No. 183,665. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY OUSTAYAN, New York, N. Y. Filed July 25, 1923.

DISCUS

Particular description of goods.—Preparation for the Restoration of Youth and Energy.
Claims use since Dec. 10, 1922.

Ser. No. 183,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO D'AVANZO, Youngstown, Ohio. Filed July 31, 1923.

TRADE A.D. MARK M.N.H.

Reg. U.S. Pat. Off.

The words "Reg. U. S. Pat. Off." and "Trade Mark" appearing in the drawing are disclaimed. The trade-mark consisting of a triangle containing the letters A. D. M. N. H. of similar outer design as the triangle.

Particular description of goods.—Medicine for Tuberculosis, Hoarseness, Asthma, and Blood Diseases.

Claims use since July 10, 1923.

Ser. No. 183,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARRIE E. THOMPSON, Memphis, Tenn. Filed July 31, 1923.

CERO

Particular description of goods.—Hair Grower and Hair-Pressing Oil.

Claims use since about 1915.

Ser. No. 183,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.

TTAH

Particular description of goods.—Toilet Lotions; Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Rouges, Eyebrow Pencils, Face Rouge, and Lip Rouge, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Powder.

Claims use since about July 1, 1923.

Ser. No. 183,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.

Lee Chevalier de la Nuit

Particular description of goods.—Toilet Lotions; Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Rouges, and Eyebrow Pencils, Face Rouge and Lip Rouge, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Powders.

Claims use since about July 1, 1923.

Ser. No. 183,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.

Firelyre

Particular description of goods.—Toilet Lotions; Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Rouges, and Eyebrow Pencils, Face Rouge, and Lip Rouge, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Face Powders.

Claims use since about July 1, 1921.

Ser. No. 183,981. (CLASS 5. ADHESIVES.) SAM B. LECROY, doing business as S. B. Lecroy Company, Denver, Colo. Filed Aug. 2, 1923.

NU-WAY CEMENT

S. B. Lecroy Company

The trade-mark consists of the word combination "Nu-Way" coupled with the applicant's signature. The word "Cement" as appears in connection with the trade-mark is no part of the same, but is merely descriptive of the character of the goods on which the mark is used.

Particular description of goods.—Adhesive Cement.

Claims use since about Aug. 2, 1923.

Ser. No. 183,989. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed Aug. 2, 1923.

ARCH FORM

Particular description of goods.—Rubber Heels.

Claims use since Feb. 14, 1918, on men's, women's, and children's boots, shoes, and slippers of leather, rubber, felt, silk, cloth, or other fabric construction; since June 6, 1923, on rubber heels.

Ser. No. 184,249. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed Aug. 9, 1923.

„Elephant"

Particular description of goods.—Photographic Chemicals and Toning Solutions.

Claims use since May 23, 1922.

Ser. No. 184,312. (CLASS 17. TOBACCO PRODUCTS.) PAUL WATKINS, doing business as Paul Watkins Cigar Company, Lakeland, Fla. Filed Aug. 10, 1923.

PAUL WATKINS FIVE POINTS QUALITY OF MERIT

The words "Havana," "Quality," "Workmanship," "Satisfaction," "Price," and "Of Merit" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Cigars.

Claims use since Mar. 13, 1922.

Ser. No. 184,453. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

All-For-Wear

Particular description of goods.—Men's and Children's Shoes of Leather.

Claims use since 1905.

Ser. No. 184,454. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Sledge

Particular description of goods.—Men's and Children's Shoes of Leather.

Claims use since 1897.

Ser. No. 184,458. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Sweetheart

Particular description of goods.—Children's Shoes of Leather.

Claims use since 1909.

Ser. No. 184,461. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

O U Shu

Particular description of goods.—Men's, Women's, and Children's Shoes of Leather.

Claims use since 1910.

Ser. No. 184,463. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Tuffer

Particular description of goods.—Men's and Children's Shoes of Leather.

Claims use since 1910.

Ser. No. 184,529. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM TAGGART, Ballysillan, Belfast, Ireland. Filed Aug. 15, 1923.

WI-TA

Particular description of goods.—Liquid Paraffin.

Claims use since Feb. 3, 1923.

Ser. No. 184,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANFORD PHARMACAL CO., St. Louis, Mo. Filed Aug. 16, 1923.

LIVING FLOWERS

Particular description of goods.—Perfumes, Cold Creams, Vanishing Creams, Massage Creams, Toilet Water, Talcum Powder, Face Powder, Lip Stick, and Rouge.
Claims use since Aug. 1, 1920.

Ser. No. 184,663. (CLASS 39. CLOTHING.) IGNAZ SCHUBEL, Berlin, Germany. Filed Aug. 18, 1923.



The trade mark consist of the representation of a whip and the words "Trade Mark," which words are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Gaiters and Leggings.
Claims use since Oct. 28, 1905.

Ser. No. 185,011. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN R. FIORITA COMPANY, St. Louis, Mo. Filed Aug. 27, 1923.

For-Eta

Particular description of goods.—Salted Peanuts, Sugared and Stuffed Dates, and Shelled Pecans in Their Natural State.
Claims use since Aug. 1, 1923.

Ser. No. 185,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER & GALLET, Paris, France. Filed Aug. 29, 1923.



No claim is made to the word "Paris" appearing on the drawing apart from the mark shown.
Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.
Claims use since Jan. 28, 1911.

Ser. No. 185,323. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE THOMPSON-BARLOW COMPANY, INC., doing business as Solvodent Laboratories, New York, N. Y. Filed Sept. 4, 1923.

SOLVODENT

Particular description of goods.—Dentifrice.
Claims use since Aug. 15, 1923.

Ser. No. 185,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRIEDRICH-FRIEDRICH CO. INC., Philadelphia, Pa. Filed Sept. 5, 1923.



No claim is made to the words "Perfumers," "Philadelphia," and "Face Powder" apart from the mark shown on the drawing.
Particular description of goods.—Face Powder.
Claims use since on or about Jan. 1, 1923.

Ser. No. 185,348. (CLASS 39. CLOTHING.) JOHN E. RHODES, New York, N. Y. Filed Sept. 5, 1923.

TAREPROOF

Particular description of goods.—Hose Supporters and Garters.
Claims use since Apr. 1, 1923.

Ser. No. 185,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A/S EINAR HAUSVIK & CO., Bergen, Norway. Filed Sept. 6, 1923.



The exclusive use of all the wording appearing in the drawing, with the exception of the words "Luna" and "A/S Einar Hausvik & Co.," being disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Canned Sardines.
Claims use since 1912.

Ser. No. 185,424. (CLASS 39. CLOTHING.) P. CENTEMERI & CO., New York, N. Y. Filed Sept. 7, 1923.

FLORINE

The drawing consists of the word "Florine."
Particular description of goods.—Leather and Fabric Gloves.
Claims use since prior to Mar. 24, 1903.

Ser. No. 185,664. (CLASS 39. CLOTHING.) MELVILLE SHOE CORPORATION, New York, N. Y. Filed Sept. 11, 1923.

BIG FOUR

Particular description of goods.—Rubber Heels for Shoes.
Claims use since Mar. 1, 1923.

Ser. No. 185,684. (CLASS 37. PAPER AND STATIONERY.) JAMES HAROLD WREN, Norfolk, Va. Filed Sept. 11, 1923.

Fordfax
TODAY'S FACTS TODAY

Applicant hereby disclaims in requesting registration of the mark the exclusive use of the words "Todays Facts Today" apart from the mark shown.
Particular description of goods.—Accounting Records and Forms.
Claims use since Aug. 1, 1923.

Ser. No. 185,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREWER & CO., INC., Worcester, Mass. Filed Sept. 12, 1923.

MOMILK

No claim is made to the word "Milk" apart from the mark shown on the drawing.
Particular description of goods.—Powdered Form of Modified Milk.
Claims use since July 1, 1923.

Ser. No. 185,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Sept. 12, 1923.

LE CHYPRE DU NIL

Le Chypre Du Nil.
Particular description of goods.—Toilet Lotions; Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Oils, Rouges, Eyebrow Pencils, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Face Powders, Face Rouge, and Lip Rouge.
Claims use since about July 1, 1923.

Ser. No. 185,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISIANA MARGARIN COMPANY, INC., New Orleans, La. Filed Sept. 12, 1923.

NUOLA

Particular description of goods.—Oleomargarine, Butter, Cheese, Milk, Both Sweetened and Unsweetened.
Claims use since Aug. 21, 1923.

Ser. No. 185,826. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. HASSMOUCK, New York, N. Y. Filed Sept. 15, 1923.

Hollywood Linen

FINISH

Application for registration of the words "Linen Finish" which appear on the drawing is disclaimed.

Particular description of goods.—Writing Paper in the Form of Envelopes, Tablets, and Papeteries.

Claims use since Sept. 5, 1921.

Ser. No. 185,852. (CLASS 39. CLOTHING.) ELIZABETH WHALEN, Watertown, N. Y. Filed Sept. 15, 1923.

PRESTO

Particular description of goods.—Leather, Leatheroid, and Oilcloth for Guards for Children's Shoes.

Claims use since July 1, 1922.

Ser. No. 185,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Filed Sept. 18, 1923.



The lining shown in the drawing indicates shading and not any particular color scheme. No rights are asserted to the exclusive use of the word "Flour" except as forming part of the trade-mark shown in the drawing.

Particular description of goods.—Wheat Flour.

Claims use since 1890.

Ser. No. 185,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LUSTRITE CORPORATION, Brooklyn, N. Y. Filed Sept. 20, 1923.

CUTICLE MOLDER

Particular description of goods.—Cuticle Ointment or Salve.

Claims use since Sept. 1, 1923.

Ser. No. 186,060. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) J. C. HUBBARD, doing business as The Blenheim Bottling Works, Blenheim, S. C. Filed Sept. 22, 1923.



No registration rights are claimed for the words "Unsurpassed" and "Blenheim Ginger Ale" apart from the mark shown in the drawing, but applicant waives none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Ginger Ale.

Claims use since Dec. 1, 1914.

Ser. No. 186,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PASQUALE SALUZZI, doing business as Economic Perfume Manufacturing Company, Brooklyn, N. Y. Filed Sept. 22, 1923.



Saluzzi Erbatonic

Particular description of goods.—Hair Tonic.

Claims use since Oct. 1, 1922.

Ser. No. 186,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAGLE GROCERY CO., Pittsburgh, Pa. Filed Sept. 24, 1923.

SILVER FARM

Particular description of goods.—Canned Vegetables—Namely, Peas, Corn and Beans, and Eggs.

Claims use since Aug. 1, 1921.

Ser. No. 186,119. (CLASS 39. CLOTHING.) FATMAN-ROBERTS CO. INC., Los Angeles, Calif. Filed Sept. 24, 1923.

MOONBEAM

Particular description of goods.—Children's Sleeping Garments, Ladies' Sleeping Garments, and Ladies' Underwear of Knitted and Textile Fabrics.

Claims use since July 17, 1923.

Ser. No. 186,120. (CLASS 39. CLOTHING.) FATMAN-ROBERTS CO. INC., Los Angeles, Calif. Filed Sept. 24, 1923.

SOMERSALT

Particular description of goods.—Children's Play Suits and Dresses, Children's Underwear, and Ladies' Underwear of Knitted and Textile Fabrics.

Claims use since July 17, 1923.

Ser. No. 186,138. (CLASS 39. CLOTHING.) LANSBURGH & BRO., Washington, D. C. Filed Sept. 24, 1923.

GRIP-TITE

Particular description of goods.—Leather and Fabric Shoes.

Claims use since Sept. 1, 1923.

Ser. No. 186,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD H. STUNZ, doing business as The Mellon Laboratories, Kansas City, Mo. Filed Sept. 24, 1923.

KOREX

Particular description of goods.—Health Tonic in Tablet Form.

Claims use since early in December, 1921.

Ser. No. 186,202. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS E. SMITH, doing business as T. E. Smith Medicine Co., Houston, Tex. Filed Sept. 25, 1923.

TESCO

Particular description of goods.—Kidney Tablet.

Claims use since June 1, 1923.

Ser. No. 186,355. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J. Filed Sept. 29, 1923.

Modeway

Particular description of goods.—Brassieres.

Claims use since Sept. 8, 1923.

Ser. No. 186,413. (CLASS 39. CLOTHING.) THE CAPANHAT CO. INC., New York, N. Y. Filed Oct. 1, 1923.



The lining in the drawing is for the purpose of shading only.

Particular description of goods.—Men's Hats.

Claims use since Sept. 11, 1921.

Ser. No. 186,414. (CLASS 12. CONSTRUCTION MATERIALS.) CHICAGO HARDWARE FOUNDRY COMPANY, North Chicago, Ill. Filed Oct. 1, 1923.

Sani ONYX

The trade-mark consists of the word "Sani" provided with an under and forwardly extending paraph or flourish, upon which is impressed the word "Onyx." No claim is made to the word "Onyx" apart from the mark shown in the drawing.

Particular description of goods.—Wall Facings, Trimmings, Panels, Partitions, Hallyings of Lunch, Kitchen, Bath, and Toilet Rooms.

Claims use since Mar. 11, 1919.

Ser. No. 186,593. (CLASS 39. CLOTHING.) GOESSLING AND FERRE, INC., New York, N. Y. Filed Oct. 5, 1923.

UNOTEX

Particular description of goods.—Fabric Gloves.

Claims use since Sept. 10, 1923.

Ser. No. 186,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Oct. 5, 1923.

MISMELIS

Particular description of goods.—Perfume, Toilet Water, Lotions for the Face and Hands, Face Powder, Rouge, Bath Salts, Cold Cream, Talcum Powder, Sachet Powder, Compact Powder, and Eau Vegetale.

Claims use since July, 1921.

Ser. No. 186,627. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AUSTIN CHEMICAL COMPANY, New York, N. Y. Filed Oct. 6, 1923.

"VELVET BRAND"

No claim is made to the word "Brand" apart from the mark shown on drawing.

Particular description of goods.—Lamp Coloring, Solvent for Lamp Coloring, and Thinner for Lamp Coloring.

Claims use since Aug. 23, 1923.

Ser. No. 186,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL CONSOLIDATED CHEMICAL CORPORATION, INC., doing business as Tokalon, New York, N. Y. Filed Oct. 6, 1923.

D'ARA

Tokalon.

Particular description of goods.—Face Powders, Face-Powder Compacts, Perfumes, Rouges, Sachet Powders, Toilet Creams, and Toilet Waters.

Claims use since early in July, 1923.

Ser. No. 186,677. (CLASS 39. CLOTHING.) EDWARD SEMPLINER, New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Shoes of Leather, Canvas, or a Combination of Such Materials.

Claims use since Mar. 23, 1923.

Ser. No. 186,679. (CLASS 39. CLOTHING.) SOUTHERN HAT CO., INC., New Orleans, La. Filed Oct. 6, 1923.

Park Fashion

Particular description of goods.—Men's Hats.

Claims use since July 31, 1923.

Ser. No. 186,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEST FOODS, INC., New York, N. Y. Filed Oct. 8, 1923.

KOBUR

Particular description of goods.—Vegetable Butter or Vegetable Fat Used in the Manufacture of Confectionery Products.

Claims use since Mar. 12, 1923.

Ser. No. 186,701. (CLASS 39. CLOTHING.) SIGMUND EISENSTEIN, New York, N. Y. Filed Oct. 8, 1923.

SELECT SHIRTS THAT WEAR

No claim is made to the words "Select Shirts That Wear" apart from the mark shown in the drawing, without, however, waiving any common-law rights thereto.

Particular description of goods.—Men's Dress, Negligee, and Work Shirts.

Claims use since Aug. 1, 1923.

Ser. No. 186,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERM-O-SPRAY PRODUCTS CO., INC., West Haven, Conn. Filed Oct. 8, 1923.

VERM-O

Particular description of goods.—Chemical Preparations for the Extermination of Insects and Rodents.

Claims use since Nov. 25, 1921.

Ser. No. 186,803. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. J. SAUNDERS, Chicago, Ill. Filed Oct. 10, 1923.

CIRCLE-

Particular description of goods.—Face Cream.

Claims use since prior to February, 1923.

Ser. No. 186,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Oct. 11, 1923.

Egyptian Flame

"Egyptian Flame."

Particular description of goods.—Rouge and Face Powder.

Claims use since Aug. 20, 1923.

Ser. No. 186,852. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVA PARDY, Chicago, Ill. Filed Oct. 11, 1923.



Particular description of goods.—Salve for Removing Corns.

Claims use since Aug. 13, 1923.

Ser. No. 186,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES MILLS ORCHARDS CORPORATION, Hamilton City, Calif. Filed Oct. 12, 1923.

MILL ON THE FLOSS

Particular description of goods.—Citrous Fruits—Namely, Oranges and Lemons in Their Natural State.

Claims use since November, 1919.

Ser. No. 186,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA C. BENKWITS BRUHN, Dysart, Iowa. Filed Oct. 13, 1923.



The words "Piles Remedy" are disclaimed apart from the mark as shown, and the lining appearing on the drawing is intended to designate shading.

Particular description of goods.—Remedy for the Treatment of Piles.

Claims use since Oct. 1, 1923.

Ser. No. 186,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID A. CONRAD, doing business as Conrad Remedy Co., Elm Grove, W. Va. Filed Oct. 13, 1923.

DR. CONRAD'S



No claim is made for the words "Fringe Tree Remedys" apart from the mark shown in the drawing.

Particular description of goods.—Liquid Preparation for Use in the Treatment of Diseases of the Stomach, Liver, and Blood; a Laxative Liniment for Treatment of Swollen Joints and Limbs, an Eye Wash and Salves for Treatment of Piles and Sores.

Claims use since Feb. 9, 1921.

Ser. No. 187,020. (CLASS 39. CLOTHING.) RICH-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Oct. 15, 1923.

BIG INDIAN

Particular description of goods.—Men's and Boys' Outer Shirts.

Claims use since Jan. 11, 1915.

Ser. No. 187,040. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 16, 1923.

FIFE

Particular description of goods.—Negligee and Dress Shirts.

Claims use since July, 1922.

Ser. No. 187,045. (CLASS 17. TOBACCO PRODUCTS.) THE CORERA CIGAR CO., Philadelphia, Pa. Filed Oct. 16, 1923.



The portrait disclosed in the drawing and specimens is the portrait of Marshall Field, late of the city of Chicago, deceased.

Particular description of goods.—Cigars.

Claims use since June 21, 1911.

Ser. No. 187,070. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOSEPHINE F. STEWART, doing business as The Art Gift Salon, Washington, D. C. Filed Oct. 16, 1923.

DOL-ART

Particular description of goods.—Sachet Bags, Handkerchief Bags, and Analogous Articles or Fancy Articles.

Claims use since July 1, 1923.

Ser. No. 187,091. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 17, 1923.

BARNABY

Particular description of goods.—Negligee and Dress Shirts.

Claims use since January, 1923.

Ser. No. 187,092. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 17, 1923.

MOHICAN

Particular description of goods.—Negligee and Dress Shirts.

Claims use since September, 1914.

Ser. No. 187,170. (CLASS 39. CLOTHING.) MERRILL HOSIERY COMPANY, Hornell, N. Y. Filed Oct. 18, 1923.

merrill

The mark consists of the word "Merrill" written aslant and in script in facsimile of the signature of Fred P. Merrill, deceased.

Particular description of goods.—Hosiery.

Claims use since Apr. 1, 1915.

Ser. No. 187,198. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 19, 1923.

BART

Particular description of goods.—Negligee and Dress Shirts.

Claims use since July, 1922.

Ser. No. 187,203. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 19, 1923.

SPRINTER

Particular description of goods.—Negligee and Dress Shirts.

Claims use since October, 1921.

Ser. No. 187,222. (CLASS 39. CLOTHING.) KLOCK, HALBERT & DYSON, INC., Philadelphia, Pa. Filed Oct. 19, 1923.

TEX-O-HOSE

The word "Hose" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Ladies' Hose.

Claims use since Aug. 20, 1923.

Ser. No. 187,230. (CLASS 39. CLOTHING.) SCHACHT RUBBER MFG. CO., Huntington, Ind. Filed Oct. 19, 1923.

SCHACHT SUPER TREAD

Particular description of goods.—Rubber Heels.

Claims use since about Oct. 15, 1922.

Ser. No. 187,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH A. WATSON, Portland, Oreg. Filed Oct. 20, 1923.

RHEUMATOS TRADE MARK

No claim is made to the word "Trade-Mark."

Particular description of goods.—Medicine for Sciatic, Acute, Chronic, Muscular, and Inflammatory Rheumatism, Lumbago, Kidney, Bladder, and Prostate Trouble.

Claims use since Sept. 1, 1923.

Ser. No. 187,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y. Filed Oct. 23, 1923.

TIJADE

Particular description of goods.—Perfume, Toilet Waters, Face Cream, Rouge, Lip Sticks, Powders, Compacts.

Claims use since Oct. 1, 1923.

Ser. No. 187,382. (CLASS 37. PAPER AND STATIONERY.) NATIONAL BLANK BOOK CO., Holyoke, Mass. Filed Oct. 23, 1923.

No. 7048—Form A

No claim is made to the words "Form A" apart from the mark shown in the drawing.

Particular description of goods.—Loose-Leaf Sheets for Loose-Leaf Binders.

Claims use since 1913.

Ser. No. 187,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Oct. 24, 1923.



Particular description of goods.—Face Powder, Talcum Powder, Cold-Cream Powder, Compact Powder, Rouge, Cold-Cream Rouge, Cold Cream, Vanishing Cream, Lip-Stick Rouge, Hair Wash, Tooth Paste, Shampoo Preparations, Perfume, and Finger-Nail Polish.

Claims use since May 29, 1916, on face powder, talcum powder, cold-cream powder, compact powder, rouge, and cold-cream rouge; since July 27, 1916, on cold cream, vanishing cream, lip-tick rouge, hair wash, tooth paste, shampoo preparations, and perfume; since Mar. 27, 1923, on finger-nail polish.

Ser. No. 187,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MENTOPINE CORPORATION, Wilmington, Del., and Philadelphia, Pa. Filed Oct. 24, 1923.

MENTOPINE

Particular description of goods.—Cough Drops or Throat Lozenges.

Claims use since Aug. 1, 1908.

Ser. No. 187,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MENTOPINE CORPORATION, Wilmington, Del., and Philadelphia, Pa. Filed Oct. 24, 1923.

CITROBUDS

Particular description of goods.—Cough Drops or Throat Lozenges.

Claims use since on or about Apr. 26, 1923.

Ser. No. 187,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRWIN STUART, doing business as Stuart Brothers, New York, N. Y. Filed Oct. 24, 1923.

CARBOTAN

Particular description of goods.—Headache Powders.
Claims use since Oct. 16, 1923.

Ser. No. 187,448. (CLASS 31. FILTERS AND REFRIGERATORS.) ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt. Filed Oct. 25, 1923.

ARCO

Particular description of goods.—Refrigerators.
Claims use since 1908.

Ser. No. 187,450. (CLASS 31. FILTERS AND REFRIGERATORS.) ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt. Filed Oct. 25, 1923.

ARCOSTONE

Particular description of goods.—Refrigerators.
Claims use since Oct. 19, 1923.

Ser. No. 187,473. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTIN & COMPANY, INC., New York, N. Y. Filed Oct. 25, 1923.

Hairfluff

Particular description of goods.—Hair Tonic.
Claims use since Oct. 1, 1923.

Ser. No. 187,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FOOD PRODUCTS CORPORATION, INC., Los Angeles, Calif. Filed Oct. 25, 1923.

FILL

Particular description of goods.—Powder Used for Pie Filling.
Claims use since Feb. 20, 1923.

Ser. No. 187,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EARLE K. EBERLY, Philadelphia, Pa. Filed Oct. 26, 1923.

BUCKINGHAM'S
BALM
of
ROSES

Particular description of goods.—Skin Lotion.
Claims use since Mar. 1, 1919.

Ser. No. 187,533. (CLASS 17. TOBACCO PRODUCTS.) J. S. PINKUSSOHN CIGAR COMPANY, Savannah, Ga. Filed Oct. 26, 1923.

PINKUSSOHN'S
CIGARETTES
POTPOURRI

No claim to exclusive right to the use of the word "Cigarettes" is made.
Particular description of goods.—Cigarettes.
Claims use since Sept. 15, 1923.

Ser. No. 187,552. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED STATES PRODUCTS CORPORATION, Manchester, Conn. Filed Oct. 26, 1923.

WHITE FOAM

Particular description of goods.—Ammonia.
Claims use since Mar. 1, 1923.

Ser. No. 187,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARMELITA FRUIT COMPANY, Fresno, Calif. Filed Oct. 29, 1923.

CARMELITA

Particular description of goods.—Grapes in Their Natural State.
Claims use since Aug. 6, 1923.

Ser. No. 187,657. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Filed Oct. 30, 1923.

Aunt Jemima

The mark consists of the words "Aunt Jemima."
Particular description of goods.—Dolls.
Claims use since May 31, 1908.

Ser. No. 187,658. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Filed Oct. 30, 1923.

Diana Jemima

The mark consists of the words "Diana Jemima."
Particular description of goods.—Dolls.
Claims use since July 31, 1908.

Ser. No. 187,659. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Filed Oct. 30, 1923.

Uncle Mose

The mark consists of the words "Uncle Mose."
Particular description of goods.—Dolls.
Claims use since Dec. 31, 1908.

Ser. No. 187,664. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CITY BAKING COMPANY, Baltimore, Md. Filed Oct. 30, 1923.

THE CITY BAKING INSTITUTE
MADE BY OUR TESTED RECIPE
INGREDIENTS GUARANTEED

No claim is made to the words "Made by Our Tested Recipe" and "Ingredients Guaranteed" apart from the other features of the mark, without, however, waiving any common-law rights to the above quoted phrases.
Particular description of goods.—Bread and Pies.
Claims use since Aug. 27, 1923.

Ser. No. 187,672. (CLASS 39. CLOTHING.) GLADDING DRY GOODS CO., Providence, R. I. Filed Oct. 30, 1923.

"Gladtred"

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, Slippers, Overshoes, and Rubbers.
Claims use since Oct. 1, 1923.

Ser. No. 187,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES GULDEN, INC., New York, N. Y. Filed Oct. 30, 1923.

SALADRESSING

Particular description of goods.—Salad Dressing.
Claims use since Oct. 15, 1923.

Ser. No. 187,681. (CLASS 39. CLOTHING.) LAING, HARRAR & CHAMBERLIN, Philadelphia, Pa. Filed Oct. 30, 1923.

ROAMER

Particular description of goods.—Rubber Heels.
Claims use since Jan. 17, 1923.

Ser. No. 187,717. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923.

FENWAY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since May 17, 1922.

Ser. No. 187,719. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923.

KISCO

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Mar. 5, 1923.

Ser. No. 187,720. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923.

MANDARIN

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,721. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923.

MART

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 7, 1923.

Ser. No. 187,723. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923.

PIERROT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 7, 1923.

Ser. No. 187,724. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Oct. 31, 1923.

SKIHI

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 29, 1921.

Ser. No. 187,794. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MILAN I. CHUBRILO, doing business as The Sparkling Spring Water Company, Kenosha, Wis. Filed Nov. 1, 1923.

Sparco BEVERAGES

Applicant disclaims the word "Beverages" shown on drawing.
Particular description of goods.—Bottled Spring Water, Ginger Ale, and Nonalcoholic, Maltless Soft Beverages.
Claims use since Jan. 1, 1923.

Ser. No. 187,795. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MILAN I. CHUBRILO, doing business as The Sparkling Spring Water Company, Kenosha, Wis. Filed Nov. 1, 1923.

Wisconsin Sparkling Spring WATER

Applicant disclaims any claim to the words "Wisconsin Sparkling Spring Water" shown on the drawing.
Particular description of goods.—Bottled Spring Water, Ginger Ale, and Nonalcoholic, Maltless Soft Beverages.
Claims use since Jan. 1, 1923.

Ser. No. 187,805. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & CO., INC., Chicago, Ill. Filed Nov. 1, 1923.

SOTOS

Particular description of goods.—Medical Preparation for the Treatment of Rheumatism.
Claims use since Feb. 13, 1920.

Ser. No. 187,815. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 1, 1923.

HONOR BRIGHT

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1908.

Ser. No. 187,817. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 1, 1923.

John C. Roberts

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1913.

Ser. No. 187,819. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 1, 1923.

REO

Particular description of goods.—Women's Shoes of Leather.
Claims use since 1911.

Ser. No. 187,839. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Nov. 1, 1923.

SOCIALADE

Particular description of goods.—Nonalcoholic, Maltless Beverage and Sirup Used in Making the Beverage Sold as a Soft Drink.
Claims use since on or about July 11, 1923.

Ser. No. 187,846. (CLASS 39. CLOTHING.) BLAUNER'S, Philadelphia, Pa. Filed Nov. 2, 1923.

Blauner's "Fairfoot" PHILADELPHIA

No claim is made to the word "Philadelphia" apart from the mark shown.
Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, and Combination of These, and Hosiery.
Claims use since on or about Oct. 15, 1923.

Ser. No. 187,848. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923.

BONNIE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 17, 1920.

Ser. No. 187,850. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923.

DURBAR

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 1, 1923.

Ser. No. 187,851. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923.

FORE

Particular description of goods.—Negligee and Dress Shirts and Underwear of Textile Fabric for Men, Women, and Children.
Claims use since Oct. 1, 1923.

Ser. No. 187,852. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923.

PICARDY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,853. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 2, 1923.

TANTIVY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 13, 1923.

Ser. No. 187,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY L. SULLIVAN, doing business as The Sullivan Co., New York, N. Y. Filed Nov. 1, 1923.

Elmaida

Particular description of goods.—Cleansing Cream, Tissue Cream, Skin Lotion, Liquid Powder, and Liquid Rouge.
Claims use since January, 1916.

Ser. No. 187,912. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923.

ARACORDS

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 17, 1920.

Ser. No. 187,913. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923.

BASKETTE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 29, 1921.

Ser. No. 187,966. (CLASS 39. CLOTHING.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Nov. 3, 1923.

Eaziped

Particular description of goods.—Children's Shoes Made of Leather.
Claims use since Oct. 13, 1923.

Ser. No. 188,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EDWARD H. EVERETT COMPANY, Bennington, Vt. Filed Nov. 5, 1923.



Particular description of goods.—Fresh Apples.
Claims use since 1920.

Ser. No. 188,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BALTIMORE DECOLORIZER COMPANY, Baltimore, Md. Filed Nov. 6, 1923.

"CLEARWITE"

The lining shown on the drawing represents shading only.
Particular description of goods.—Decolorizing Agents Used in the Manufacture of Glass.
Claims use since May 30, 1923.

Ser. No. 188,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EMBALMERS' SUPPLY COMPANY, Westport, Conn. Filed Nov. 8, 1923.

SAN-VEINO SPRAY

No claim is made to the word "Spray" apart from the mark.
Particular description of goods.—Deodorant, Disinfectant, and Preservative for Putrefaction of the Tissues.
Claims use since May, 1921.

Ser. No. 188,144. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN SEEDING MACHINE COMPANY, Springfield, Ohio. Filed Nov. 9, 1923. Under ten-year proviso.

SUPERIOR

Particular description of goods.—Grass-Seed Drills, Broadcast Lime, and Fertilizer Sowers, Cultivators, Corn Planters, Corn Drills, Potato Planters, and Disk Harrows.
Claims use since about June 1, 1868.

Ser. No. 188,154. (CLASS 39. CLOTHING.) GEO. E. KEITH COMPANY, Brockton, Mass. Filed Nov. 9, 1923.

MAIN SPRING

Particular description of goods.—Boots and Shoes Made of Leather.
Claims use since Oct. 2, 1923.

Ser. No. 188,157. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAINE BARBER SUPPLY CO., Portland, Me. Filed Nov. 9, 1923.

PHT

Particular description of goods.—Hair Tonic, Chemicals, Medicines, and Pharmaceutical Preparations.
Claims use since Apr. 1, 1923.

Ser. No. 188,213. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LODGE & SHIPLEY MACHINE TOOL CO., Cincinnati, Ohio. Filed Nov. 10, 1923.

DUOMATIC

Particular description of goods.—Lathes.
Claims use since Mar. 12, 1923.

Ser. No. 188,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHESTINE CO., Oshkosh, Wis. Filed Nov. 12, 1923.

CHESTINE

Particular description of goods.—Preparation for the Relief of Chest Colds, Bronchitis, Sore Throat, and as a Preventive of Pneumonia.
Claims use since Oct. 3, 1923.

Ser. No. 188,340. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MILTON D. SWARTZ, doing business as Baltimore Water Paint Company, Baltimore, Md. Filed Nov. 14, 1923.

FEX

Particular description of goods.—Paints—Namely, Disinfectant Paints, Cold-Water Paints, Calcimines, Water-Color Wall Tints, Wall Paints, and Wall Sizes, Either in the Dry State, as a Paste, and Ready Mixed.
Claims use since Feb. 5, 1920.

Ser. No. 188,348. (CLASS 39. CLOTHING.) JOSEPH RALPH WARDLAW, doing business as Bobolink Hosiery Mills, Chattanooga, Tenn. Filed Nov. 14, 1923.

BOBOLINK

Particular description of goods.—Silk, Cotton, and Wool Hosiery.
Claims use since Sept. 24, 1923.

Ser. No. 188,362. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. FINKL & SONS COMPANY, Chicago, Ill. Filed Nov. 15, 1923.

Ni Mo

Particular description of goods.—Steel Forgings.
Claims use since Sept. 16, 1922.

Ser. No. 188,381. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Soap.
Claims use since Sept. 20, 1923.

Ser. No. 188,383. (CLASS 12. CONSTRUUCTION MATERIALS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Asphaltum.
Claims use since Sept. 10, 1923.

Ser. No. 188,429. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.



Particular description of goods.—Soap, Neat's-Foot Compound, Leather Dressing, and Mohair Dressing.
Claims use since Mar. 9, 1923, on soap; since Feb. 25, 1922, on neat's-foot compound; since Mar. 21, 1922, on leather dressing; since Feb. 25, 1922, on mohair dressing.

Ser. No. 188,446. (CLASS 39. CLOTHING.) SONNEBORN BROTHERS, New York, N. Y. Filed Nov. 16, 1923.



Particular description of goods.—Overcoats, Coats, Vests, and Trousers for Young Men and Boys.
Claims use since about July 1, 1923.

Ser. No. 188,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAXIME D'HOTMAN DE VILLIERS, Paris, France. Filed Nov. 19, 1923.

Les Parfums du Lys d'Or

Particular description of goods.—Perfumes.
Claims use since Sept. 22, 1921.

Ser. No. 188,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAXIME D'HOTMAN DE VILLIERS, Paris, France. Filed Nov. 19, 1923.

LYS D'OR

Particular description of goods.—Perfumes.
Claims use since Aug. 19, 1921.

Ser. No. 188,543. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RICHARD W. FOX, doing business as Releef Products Co., Birmingham, Ala. Filed Nov. 19, 1923.

Releef

Particular description of goods.—Repair Outfit for Flexible Rubber Goods Such as Nonmetallic-Tire Tubes, Water Bottles, Rubber Boots, and the Like.
Claims use since Nov. 12, 1923.

Ser. No. 188,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RIDME CHEMICAL CO., Parsons, Kans. Filed Nov. 19, 1923.

RIDME

Particular description of goods.—Poultry Insecticide in Liquid Form.
Claims use since June 11, 1923.

Ser. No. 188,572. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICO CHEMICAL CO., Nashville, Tenn. Filed Nov. 19, 1923.

Alice Dale's "Crest"

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Talcum Powders, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, and Sachet Powders.
Claims use since May 1, 1923.

Ser. No. 188,575. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) J. P. STEVENS ENGRAVING CO., Atlanta, Ga. Filed Nov. 19, 1923.



No claim is made to the word "Pointer" and to the representation of the device apart from the other features of the mark and without waiving any common-law rights therein.
Particular description of goods.—Dealer Indicators for Use in Card Games.
Claims use since Oct. 20, 1923.

Ser. No. 188,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BONDEX COMPANY, Baltimore, Md. Filed Nov. 20, 1923.

BONDEX

Particular description of goods.—Dry-Powder Dough Batch.
Claims use since Nov. 1, 1919.

Ser. No. 188,587. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD B. CUDDY, doing business as Crown Barbers' Supply Co., New York, N. Y. Filed Nov. 20, 1923.

ATHENISIAN

Athenisian.
Particular description of goods.—Hair Tonics.
Claims use since Dec. 1, 1903.

Ser. No. 188,600. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. H. MEAD COAL COMPANY, Beckley, W. Va. Filed Nov. 20, 1923.



Particular description of goods.—Coal.
Claims use since 1921.

Ser. No. 188,707. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 22, 1923.

Calumet

Particular description of goods.—Leather.
Claims use since 1900.

Ser. No. 188,708. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 22, 1923.

Hiawatha

Particular description of goods.—Leather.
Claims use since 1907.

Ser. No. 188,709. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 22, 1923.

Seminole

Particular description of goods.—Leather.
Claims use since 1916.

Ser. No. 188,710. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 22, 1923.

Winnebago

Particular description of goods.—Leather.
Claims use since 1896.

Ser. No. 188,726. (CLASS 39. CLOTHING.) WORTHY MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 22, 1923.

BIG CY

Particular description of goods.—Work Shirts.
Claims use since about Nov. 15, 1923.

Ser. No. 188,727. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE VICTOR RUBBER COMPANY, Maitland, Springfield, Ohio. Filed Nov. 19, 1923.

INTERSTATE

Particular description of goods.—Pneumatic Tires.
Claims use since Oct. 22, 1923.

Ser. No. 188,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRAGIN PRODUCTS CO., Chicago, Ill. Filed Nov. 23, 1923.

CRAINOL
SUN
BRAND

The word "Brand" is disclaimed except in connection with the other features of the mark, though applicant does not waive any common-law rights thereto by making this disclaimer.
Particular description of goods.—Denatured Alcohol.
Claims use since Nov. 13, 1923.

Ser. No. 188,781. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDW. K. TRION COMPANY, Philadelphia, Pa. Filed Nov. 23, 1923. Under ten-year proviso.

APOLLO

Particular description of goods.—Bicycles and Tricycles.
Claims use since preceding Feb. 20, 1905.

Ser. No. 188,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERSHEL CALIFORNIA FRUIT PRODUCTS CO., INC., Chicago, Ill. Filed Nov. 26, 1923.

CONTADINA

Particular description of goods.—Canned Tomatoes and Cardoons.
Claims use since 1918.

Ser. No. 188,917. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RAYMOND H. MANLEY, doing business as Cottonwood Tire House, Cottonwood, Ariz. Filed Nov. 26, 1923.

KID-E-KOLT

Particular description of goods.—Toy Rocking-Horses.
Claims use since Sept. 15, 1923.

Ser. No. 188,918. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARRIOTT & WRIGHT, Baltimore, Md. Filed Nov. 26, 1923.

KIDDY-TWIRL

Particular description of goods.—Trundle Toys.
Claims use since Oct. 16, 1923.

Ser. No. 188,937. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) STANDARD BEVERAGE CORPORATION, Chicago, Ill. Filed Nov. 26, 1923.



Particular description of goods.—Ginger Ale.
Claims use since 1891.

Ser. No. 188,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR A. BRALEY, Seattle, Wash. Filed Nov. 27, 1923.

OILANAGAR

Particular description of goods.—Laxatives.
Claims use since June 20, 1923.

Ser. No. 188,949. (CLASS 12. CONSTRUCTION MATERIALS.) CEMENTA SVENSKA CEMENTFÖRSÄLJNINGS AKTIEBOLAGET, Malmo, Sweden. Filed Nov. 27, 1923.

SKANSKA CEMENT AKTIE-BOLAGET
PORTLAND
LIMHAMN
TRADE MARK
CEMENT
LOMMA, MALMÖ
MADE IN SWEDEN

Without waiving any rights at common law, applicant disclaims for this registration any right to the exclusive use of the words "Portland, Cement, Trade-Mark, Lomma, Malmo, Made in and Sweden" except in the precise relation and association in which these words appear in the labels and drawing.
Particular description of goods.—Portland Cement.
Claims use since October, 1923.

Ser. No. 188,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KINJIRO IMAI, doing business as Newton Co., Seattle, Wash. Filed Nov. 27, 1923.

QUEEN BEAUTY

Particular description of goods.—Cold Cream.
Claims use since June 1, 1923.

Ser. No. 188,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINFIELD BAKING CO. INC., Newburgh, N. Y. Filed Nov. 27, 1923.

WINFIELD'S

Particular description of goods.—Bread.
Claims use since Nov. 3, 1923.

Ser. No. 189,001. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Nov. 28, 1923.

GEMEY

Particular description of goods.—Talcum, Face Powder, Bath Salts, Sachet, Tooth Powder, Almond Meal, Toilet Water, Headache Cologne, Dry Cream, Smelling Salts, Cold Cream, Tooth Paste, Perfume, Lip Rouge, Bath Powder, and Toilet Cerate.
Claims use since July 5, 1923.

Ser. No. 189,012. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANTONI FRUIT & PACKING CORPORATION, New York, N. Y. Filed Nov. 28, 1923.

Golden Heart

Particular description of goods.—Canned Grapefruit.
Claims use since Aug. 15, 1923.

Ser. No. 189,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EAU DE COLOGNE FABRIEK J. C. BOLDOOT, Amsterdam, Netherlands. Filed Nov. 30, 1923.

17 15
ROYALE
J. C. Boldoot

No claim is made to the exclusive right to the use of the words "Eau de Cologne" and "Amsterdam" shown on said drawing. The signature is the hand writing of J. C. Boldoot, predecessor in business of this company.
Particular description of goods.—Perfumery.
Claims use since Nov. 1, 1923.

Ser. No. 189,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). PHENELOSIA LABORATORIES, INC., New York, N. Y. Filed Nov. 30, 1923.

Poudre de Perles
(POWDER OF PEARLS)

Particular description of goods.—Face Powder.
Claims use since Sept. 4, 1923.

Ser. No. 189,057. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE KENNEDY SPECIALTY CO., Columbia, S. C. Filed Nov. 30, 1923.

HERCULES

Particular description of goods.—Fender Brace for Automobiles.
Claims use since Nov. 1, 1923.

Ser. No. 189,061. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MENDOSA FUR DYEING WORKS, INC., New York, N. Y. Filed Nov. 30, 1923.



No claim is herein made for the exclusive use of the term "Taupe" apart from the mark as otherwise shown in the drawing, and the color scheme forms no essential feature of the mark.
Particular description of goods.—Furs, Skins, Hides, Pelts, and Dyed and Dressed Furs for Use in Garments.
Claims use since Jan. 1, 1916.

Ser. No. 189,072. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUMPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 30, 1923.

K. K.

(KIN-KIN)

Particular description of goods.—Leather.
Claims use since 1907.

Ser. No. 189,073. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUMPING LEATHER COMPANY, Fond du Lac, Wis. Filed Nov. 30, 1923.

RUE

Particular description of goods.—Leather.
Claims use since Sept. 1, 1922.

Ser. No. 189,078. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Nov. 30, 1923.

PLÉVILLE

"Pléville."
Particular description of goods.—Perfume, Toilet Water, Face Powder, and Poudre Cream.
Claims use since Oct. 26, 1923.

Ser. No. 189,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed Nov. 30, 1923.

Karsee

Particular description of goods.—Talcum Powder.
Claims use since Nov. 8, 1923.

Ser. No. 189,103. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen near Cologne-on-the-Rhine, Germany. Filed Dec. 1, 1923.

Hexeton

Particular description of goods.—Agents for the Resuscitation of the Cardiac Activity.
Claims use since about July, 1923.

Ser. No. 189,134. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Dec. 1, 1923.

BLUE MOON

The disk which forms part of the trade-mark and which in the drawings is shaded is in fact blue in color.
Particular description of goods.—Rubber Tires for Vehicles.
Claims use since Oct. 21, 1923.

Ser. No. 189,139. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa. Filed Dec. 1, 1923.

'TO HAVE AND TO HOLD

COUNTRY CLUB

Particular description of goods.—Soaps.
Claims use since April, 1915.

Ser. No. 189,163. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KOKEN COMPANIES, St. Louis, Mo. Filed Dec. 3, 1923.



MAN O' WAR

Particular description of goods.—Razor Strops.
Claims use since Nov. 6, 1923.

Ser. No. 189,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Chicago, Ill. Filed Dec. 3, 1923.

JENNY LIND

Particular description of goods.—Biscuits.
Claims use since November, 1913.

Ser. No. 189,170. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES SCHLOTE, doing business as Anti-Rain Company, Chicago, Ill. Filed Dec. 3, 1923.

ANTI-RAIN

Particular description of goods.—Compound for Preventing Accumulation of Moisture Upon Glass.
Claims use since Nov. 25, 1923.

Ser. No. 189,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULZE BAKING COMPANY, Chicago, Ill. Filed Dec. 3, 1923.



Particular description of goods.—Bread.
Claims use since Sept. 20, 1923.

Ser. No. 189,193. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. GILBERT, Wrentham, Mass. Filed Dec. 4, 1923.

* GILBROSINE *

Particular description of goods.—Liquid Mordant Used in the Process of Dyeing.
Claims use since July 1, 1920.

Ser. No. 189,194. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE W. GILBERT, Wrentham, Mass. Filed Dec. 4, 1923.

"Lactona"

Particular description of goods.—Liquid Mordant Used in the Process of Dyeing.
Claims use since July 1, 1920.

Ser. No. 189,198. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OHIO VALLEY REFINING COMPANY, St. Marys, W. Va. Filed Dec. 4, 1923.

FREZNIX

Particular description of goods.—Nonfreezing Radiator Compound.
Claims use since Oct. 1, 1923.

Ser. No. 189,212. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERBERT S. VIRTUE, doing business as Commercial Chemical Company, Boston, Mass. Filed Dec. 4, 1923.

X-L-N-C

Particular description of goods.—Filler and Preservative for Leather Belting, Canvas Belting, Harness, and Leather Goods, Also Waterproofing for Soles.
Claims use since April, 1908.

Ser. No. 189,234. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y. Filed Dec. 5, 1923.



Particular description of goods.—Abrasive Papers and Cloths.
Claims use since Aug. 22, 1923.

Ser. No. 189,236. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRENT MANUFACTURING COMPANY, INC., New York, N. Y. Filed Dec. 5, 1923.

KURLEY KEW

Particular description of goods.—Shampoo.
Claims use since Apr. 28, 1922.

Ser. No. 189,247. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JAMES CRESSON GIVEN, Philadelphia, Pa. Filed Dec. 5, 1923.

ANDY GUMP

Particular description of goods.—Combination Hairbrushes and Mirrors.
Claims use since Dec. 3, 1923.

Ser. No. 189,262. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MUR-SOL CHEMICAL PRODUCTS CO., New York, N. Y. Filed Dec. 5, 1923.

MUR-SOL

Particular description of goods.—Washing Compound.
Claims use since February, 1923.

Ser. No. 189,263. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEMION S. NELSON, doing business as Eddy Chemical Company, Hartford, Conn. Filed Dec. 5, 1923.

BEAR-GRO

Particular description of goods.—Hair Reviver or Tonic.
Claims use since Nov. 12, 1923.

Ser. No. 189,307. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FOX RIVER FARM LABORATORIES, Dundee, Ill. Filed Dec. 6, 1923.

BORSHON

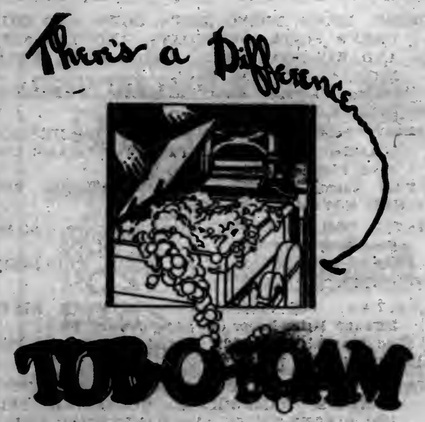
Particular description of goods.—Compound for the Prevention of Abortion in Hogs and Cattle.
Claims use since Sept. 1, 1923.

Ser. No. 189,336. (CLASS 2. RECEPTACLES.) RUSSELL BOX COMPANY, Chelsea, Mass. Filed Dec. 6, 1923.

RSL

Particular description of goods.—Paper Boxes.
Claims use since Dec. 19, 1922.

Ser. No. 189,373. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa. Filed Dec. 7, 1923.



Particular description of goods.—Soaps.
Claims use since about November, 1922.

Ser. No. 189,392. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DANDY-DOBBIN CO., New York, N. Y. Filed Dec. 8, 1923.

"Dandy Dobbin"

Particular description of goods.—Toy Horse.
Claims use since July 18, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JANUARY 22, 1924.

178,746. MEN'S, YOUNG MEN'S, BOYS', AND CHILDREN'S SUITS, OVERCOATS, AND TROUSERS, AND WOMEN'S COATS. DANIEL BOONE WOOLEN MILLS, INC., Chicago, Ill.
Filed May 16, 1923. Serial No. 180,685. PUBLISHED SEPTEMBER 11, 1923.

178,747. POSTED-PLANT PAINTS, VARNISHES, AND COLORS. THE NATIONAL PAINT AND VARNISH COMPANY, Cleveland, Ohio.
Filed August 2, 1923. Serial No. 183,985. PUBLISHED NOVEMBER 6, 1923.

178,748. TOMATO PASTE. GUST ANASTOPOULOS, San Francisco, Calif.
Filed April 22, 1922. Serial No. 162,712. PUBLISHED NOVEMBER 13, 1923.

178,749. ICE CREAM AND ICE-CREAM MIXES. DEWART MILK FOOD CO. INC., Dewart, Pa.
Filed September 23, 1922. Serial No. 169,849. PUBLISHED MAY 1, 1923.

178,750. MANILA ROPE, SISAL ROPE, RATLINE, MARLINE, HAMBROLINE, HOUSELINE, SEIZING, BINDER TWINE, AND HARVESTING TWINE. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed February 2, 1922. Serial No. 158,764. PUBLISHED OCTOBER 30, 1923.

178,751. HARVESTING TWINE AND BINDER TWINE. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed February 2, 1922. Serial No. 158,765. PUBLISHED OCTOBER 2, 1923.

178,752. MANILA ROPE, SISAL ROPE, RATLINE, MARLINE, HAMBROLINE, HOUSELINE, SEIZING, BINDER TWINE, AND HARVESTING TWINE. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed February 4, 1922. Serial No. 158,859. PUBLISHED OCTOBER 30, 1923.

178,753. DRILLING CABLES, CABLE-LAID DRILLING CABLES, SAND LINES, AND CABLE-LAID SAND LINES. THE EDWIN H. FITLER CO., Philadelphia, Pa.
Filed August 27, 1923. Serial No. 185,012. PUBLISHED NOVEMBER 27, 1923.

178,754. CERTAIN TOILET PREPARATIONS. FURST-MCNESS COMPANY, Freeport, Ill.
Filed July 16, 1923. Serial No. 183,268. PUBLISHED NOVEMBER 13, 1923.

178,755. PREPARATION FOR TREATING HEADACHE, NEURALGIA, COLD PAINS, GRIPPE ACHES, EARACHE, STOMACH DISTRESS, AND RHEUMATIC PAINS. ROBERT H. GERKE, doing business as The Bobs Drug Co., Marietta, Ohio.
Filed September 12, 1922. Serial No. 169,356. PUBLISHED OCTOBER 30, 1923.

178,756. ARTISTS' BRUSHES. MAX GRUMBACHER, New York, N. Y.
Filed March 22, 1922. Serial No. 161,084. PUBLISHED JUNE 13, 1922.

178,757. BUTTER. CARLYLE HALL, doing business as E. P. Company, Seattle, Wash.
Filed March 23, 1921. Serial No. 145,107. PUBLISHED OCTOBER 3, 1922.

178,758. DIGESTER TANKAGE USED FOR STOCK FEED. INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind.
Filed April 10, 1922. Serial No. 162,013. PUBLISHED JANUARY 30, 1923.

178,759. SULPHUR. KUTNER-GOLDSTEIN CO., San Francisco, Calif.
Filed July 16, 1923. Serial No. 183,804. PUBLISHED NOVEMBER 13, 1923.

178,760. CHOCOLATE-DIPPING PAPER. MCLAURIN-JONES CO., Brookfield, Mass.
Filed July 26, 1923. Serial No. 183,715. PUBLISHED OCTOBER 9, 1923.

178,761. CANNED FRUITS AND BERRIES. PACIFIC FOOD PRODUCTS CO., Portland, Oreg.
Filed September 10, 1923. Serial No. 185,610. PUBLISHED NOVEMBER 13, 1923.

178,762. WHEAT FLOUR, PANCAKE FLOUR, BUCKWHEAT FLOUR, AND RYE FLOUR. O. R. PIEPER CO., Milwaukee, Wis.
Filed August 28, 1922. Serial No. 168,784. PUBLISHED JANUARY 16, 1923.

178,763. CERTAIN NAMED TOOLS, SUPPLIES, EQUIPMENT, ETC. J. JACOB SHANNON & CO., Philadelphia, Pa.
Filed February 14, 1923. Serial No. 176,049. PUBLISHED JULY 10, 1923.

178,764. SOFT DRINKS AND SIRUPS. WILLIAM F. STOECKER, doing business as Cleo Products Co., Omaha, Nebr.
Filed September 10, 1923. Serial No. 185,630. PUBLISHED NOVEMBER 20, 1923.

178,765. WHEAT FLOUR. VITIMIN MILLING COMPANY, Los Angeles, Calif.
Filed January 29, 1923. Serial No. 175,283. PUBLISHED JULY 31, 1923.

178,766. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed August 12, 1922. Serial No. 168,184. PUBLISHED JANUARY 30, 1923.

178,767. CERTAIN CLOTHING FOR BOYS. BEN. WIENER & Co., New York, N. Y.
Filed March 3, 1923. Serial No. 176,031. PUBLISHED SEPTEMBER 11, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

178,768. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,814.

NEVERFAIL

Particular description of goods.—Artificial Minnows.
Claims use since Apr. 5, 1910.

178,769. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,816.

NONPAREIL

Particular description of goods.—Fishing Lines.
Claims use since May 3, 1916.

178,770. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,833.

WASHINGTON

Particular description of goods.—Artificial Fish Bait—Namely, Spinners.
Claims use since Oct. 12, 1916.

178,771. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,834.

WILLIAMS

Particular description of goods.—Drag Handles for Fishing Reels.
Claims use since July 10, 1910.

178,772. [WITHDRAWN.]

178,773. [WITHDRAWN.]

178,774. (CLASS 10. FERTILIZERS.) THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Nov. 26, 1923. Serial No. 188,878.

FISH BRAND



Particular description of goods.—Fertilizer.
Claims use since January, 1910.

178,775. [WITHDRAWN.]

178,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DONAHOE'S INC., Pittsburgh, Pa. Filed Dec. 3, 1923. Serial No. 189,154.



Particular description of goods.—Eggs.
Claims use since Aug. 1, 1922.

178,777. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHERWOOD BROS. MFG. CO. INC., Canastota, N. Y. Filed Nov. 24, 1923. Serial No. 188,868.

SHERWOOD

Particular description of goods.—Children's Vehicles—Namely, Four-Wheeled Wagons.
Claims use since May 14, 1914.

LABELS

REGISTERED JANUARY 22, 1924.

26,774.—*Title:* PENNIMINT GUM. For Chewing Gum. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Published November 27, 1923.

26,775.—*Title:* BECAPACO. For Canned Pumpkin. THE BEAVER CANNING AND PACKING COMPANY, Beaver, Ohio. Published August 20, 1923.

26,776.—*Title:* CLYMER WINDSHIELD SPOTLIGHT. For Vehicle Spotlights. THE CLYMER MFG. CO., Denver, Colo. Published October 25, 1923.

26,777.—*Title:* EGYPTIAN MYSTERIES CIGARETTES. For Cigarette Boxes. A. COULAPIDES, INC., New York, N. Y. Published September 7, 1923.

26,778.—*Title:* MITZI. For a Box Container for Hair Nets. THE B. FRANKEL COMPANY, INC., New York, N. Y. Published October 15, 1923.

26,779.—*Title:* KITTY. For a Box Container for Hair Nets. THE B. FRANKEL COMPANY, INC., New York, N. Y. Published October 15, 1923.

26,780.—*Title:* FUNSTEN'S. For Nuts. R. E. FUNSTEN COMPANY, St. Louis, Mo. Published November 23, 1923.

26,781.—*Title:* GOODMAN'S MACARONI. For Macaroni. A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,782.—*Title:* GOODMAN'S SPAGHETTI. For Spaghetti. A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,783.—*Title:* GOODMAN'S PURE EGG NOODLES. For Pure Egg Noodles (Hebrew Text). A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,784.—*Title:* GOODMAN'S PURE EGG NOODLES. For Pure Egg Noodles (English Text). A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,785.—*Title:* GOODMAN'S POTATO STARCH. For Potato Starch. A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,786.—*Title:* GOODMAN'S MATZOTH MEAL. For Matzoth Meal. A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,787.—*Title:* GOODMAN'S ELBOW MACARONI. For Elbow Macaroni. A. GOODMAN & SONS, INC., New York, N. Y. Published November 26, 1923.

26,788.—*Title:* DIXIE DANDIE. For Candies. ARTHUR W. HENDON, doing business as Southern Candy Co., Spartanburg, S. C. Published November 20, 1923.

26,789.—*Title:* HOLLAND (BRAND) STOMACH TREATMENT. For a Tonic for the Stomach. HOLLAND MEDICINE COMPANY, Saginaw, Mich. Published October 8, 1923.

26,790.—*Title:* GOOD SAMARITAN LINIMENT BRINGS RELIEF. For Cartons Containing Bottles of Liniment. HOWARD ETHAN KELLEY, doing business as The Good Samaritan Company, New York, N. Y. Published November 10, 1923.

26,791.—*Title:* VAPOR BOUQUET COFFEE. For Roasted Coffee. KIC-NIC, INCORPORATED, New York, N. Y. Published November 20, 1923.

26,792.—*Title:* KIC-NIC. For a Vegetable Compound Beverage Containing Coffee and Sirup for Making the Same. KIC-NIC, INCORPORATED, New York, N. Y. Published November 20, 1923.

26,793.—*Title:* GREAT LAKES TO THE OCEAN. For Cleansing Material. EDMUND F. MCCRUMISH, doing business as Tidewater Products Company, Duluth, Minn. Published October 22, 1923.

26,794.—*Title:* ZION GRAHAM CRACKERS. For Graham Crackers. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published August 10, 1923.

26,795.—*Title:* ZION FIG BARS. For Fig Bars. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published August 7, 1923.

26,796.—*Title:* ZION COCOANUT TAFFY BAR. For Cocoanut Taffy Bars. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published August 10, 1923.

26,797.—*Title:* BOX BOUNTIFUL. For Candy. THE NUNNALLY CO., Atlanta, Ga. Published November 22, 1923.

26,798.—*Title:* BARNES' TOASTED WHEAT. For Cereal Food. PHOSPHO FOOD CO. INC., Los Angeles, Calif. Published August 4, 1923.

26,799.—*Title:* CORN-MELT. For a Corn Plaster. WILLIAM JOSEPH EHRHALT RYAN, Newark, N. J. Published October 4, 1923.

26,800.—*Title:* WHITE SAV-O-DENT THE PASTE THAT KEEPS TEETH WHITE RESULTS PROVE. For Tooth Paste. MORITZ SCHLESINGER, New York, N. Y. Published November 30, 1923.

26,801.—*Title:* BLACK SAV-O-DENT THE BLACK PASTE THAT MAKES TEETH WHITE RESULTS PROVE. For Tooth Paste. MORITZ SCHLESINGER, New York, N. Y. Published November 30, 1923.

26,802.—*Title:* BLUEBONNET HAIR TONIC AND DANDRUFF ERADICATOR. For Hair Tonic and Dandruff Eradicator. SOUTHERN CHEMICAL LABORATORIES, INC., Fort Worth, Tex. Published October 20, 1923.

26,803.—*Title:* KANDY PACKS. For Candy. UNITED DRUG COMPANY, doing business as United Candy Company, Boston, Mass. Published September 12, 1923.

26,804.—*Title:* GOLD MEDAL CAKE FLOUR. For Cake Flour. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,805.—*Title:* GOLD MEDAL BUCKWHEAT CORN AND WHEAT PANCAKE FLOUR. For Buckwheat Corn and Wheat Pancake Flour. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,806.—*Title:* GOLD MEDAL PURIFIED BRAN. For Purified Bran. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,807.—*Title:* GOLD MEDAL PANCAKE FLOUR. For Pancake Flour. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,808.—*Title:* GOLD MEDAL QUICK-COOKING OATS. For Quick-Cooking Oats. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,809.—*Title:* GOLD MEDAL WHEAT CEREAL. For Wheat Cereal. WASHBURN CROSBY COMPANY, Minneapolis, Minn. Published November 3, 1923.

26,810.—*Title:* WASHOUGAL WOOLEN MILLS. For Woolen Goods. WASHOUGAL WOOLEN MILLS, Washougal, Wash. Published July 5, 1923.

26,811.—*Title:* ANCHOR BRAND CARBON BISULPHIDE. For Carbon Bisulphide. WHEELER, REYNOLDS & STAUFFER, San Francisco, Calif. Published October 5, 1923.

PRINTS

REGISTERED JANUARY 22, 1924.

7,120.—*Title:* LOOSE-FITTING B. V. D. UNDERWEAR (TWO PIECE QUARTER SLEEVE SUIT). For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published December 6, 1923.

7,121.—*Title:* LES PARFUMS DE COTY. For Perfume. COTY, INC., Wilmington, Del., and New York, N. Y. Published December 1, 1923.

7,122.—*Title:* THANKSGIVING. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published October 19, 1923.

7,123.—*Title:* BLACKBIRD SPLINT. For Splint Coal. FISK COAL COMPANY, Jackson, Mich. Published October 19, 1923.

7,124.—*Title:* HITONE KUT X. For Fancy Cut Spectacle and Eyeglass Lenses. WM. B. GEORGIA, Waco, Tex. Published October 31, 1923.

7,125.—*Title:* HITONE KUT XV. For Fancy Cut Spectacle and Eyeglass Lenses. WM. B. GEORGIA, Waco, Tex. Published October 31, 1923.

7,126.—*Title:* COMET RICE. For Rice. SEABOARD RICE MILLING CO., Galveston, Tex., and New York, N. Y. Published November 26, 1923.

7,127.—*Title:* GLESS BRAKE DIFFERENTIAL. For a Brake Differential. UNITED STATES ORDNANCE COMPANY, Washington, D. C. Published November 23, 1923.

7,128.—*Title:* HEALTH IN EVERY SLICE. For Bread. WARD BAKING COMPANY, New York, N. Y. Published July 26, 1923.

7,129.—*Title:* IT BEATS THE BEST I EVER MADE. For Bread. WARD BAKING COMPANY, New York, N. Y. Published September 29, 1923.

7,130.—*Title:* WARD'S TIP-TOP FLAKES. For Tip-Top Flakes. WARD BAKING COMPANY, New York, N. Y. Published June 16, 1923.

7,131.—*Title:* SEE HOW GOOD THEY LOOK. For Cakes. WARD BAKING COMPANY, New York, N. Y. Published March 23, 1923.

REISSUES

JANUARY 22, 1924.

15,749. **FUEL-FEEDING DEVICE.** JOSEPH C. COULOMBE, Kokomo, Ind. Filed Sept. 20, 1923. Serial No. 663,928. Original No. 1,395,224, dated Oct. 25, 1921, Serial No. 72,198, filed Jan. 15, 1916. 30 Claims. (Cl. 158—36.)



1. In a fuel feeding device having a suction chamber, a distributing chamber, a connection from the suction chamber to a source of suction, a connection from the suction chamber to a source of liquid supply, said distributing chamber open to atmospheric pressure; of a valve opening between the two chambers, a primary valve and a secondary valve controlling said opening, and means dependent upon the rise of liquid in the suction chamber for opening said valves.

15,750. **REFINING LEAD.** HENRY HARRIS, London, England. Filed Sept. 27, 1923. Serial No. 665,235. Original No. 1,395,820, dated Nov. 1, 1921, Serial No. 354,851, filed Jan. 29, 1920. 12 Claims. (Cl. 75—15.) Division A.

1. Process of dezincing lead which comprises bringing the molten lead into intimate contact with a mixture comprising caustic alkali and alkali chlorid at a temperature below that where any appreciable amount of alkali metal passes permanently into the lead, and maintaining the mixture below said temperature.

15,751. **DEZINCING LEAD.** HENRY HARRIS, London, England. Filed Sept. 27, 1923. Serial No. 665,236. Original No. 1,395,820, dated Nov. 1, 1921, Serial No. 354,851, filed Jan. 29, 1920. 6 Claims. (Cl. 75—15.) Division B.

1. Process of dezincing lead which comprises bringing the molten lead into intimate contact with a mixture comprising alkali chlorid and a substance which lowers the melting point of the alkali chlorid so as not to exceed about 500° C., maintaining the mixture not to exceed said temperature and conducting the operation without the addition of lead oxide (or ore containing lead oxide) in such quantity that the contained lead is in amount chemically equivalent to the zinc in the metal to be purified.

DESIGNS

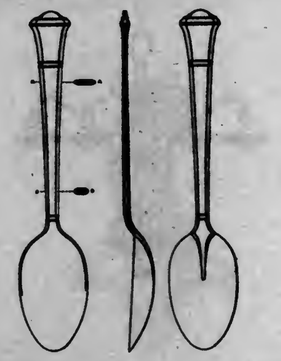
JANUARY 22, 1924.

63,814. **REFRIGERATOR.** LEN ALBERT BANTA, Clearfield, Pa. Filed Dec. 29, 1922. Serial No. 4,751. Term of patent 7 years.



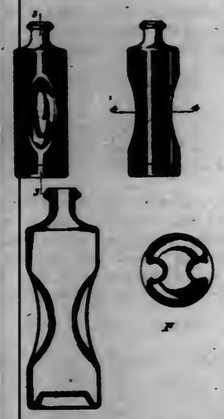
The ornamental design for a refrigerator as shown.

63,815. **SPOON OR SIMILAR ARTICLE.** ARTHUR LE ROY BARNEY, New York, N. Y., assignor to Tiffany & Company, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 4,700. Term of patent 14 years.



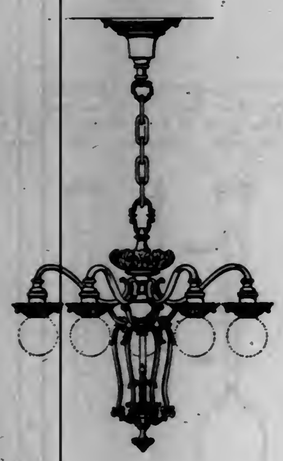
The ornamental design for a spoon or similar article as shown.

63,816. BOTTLE. WILLIAM S. BEREDEN, Millville, N. J. Filed June 30, 1923. Serial No. 6,630. Term of patent 14 years.



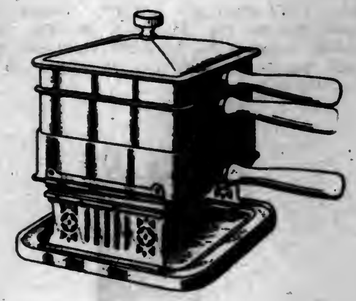
The ornamental design for a bottle, as shown.

63,817. CHANDELIER FOR LIGHTING FIXTURE. FRANK S. CROWELL, Toledo, Ohio. Filed June 6, 1923. Serial No. 6,415. Term of patent 3½ years.



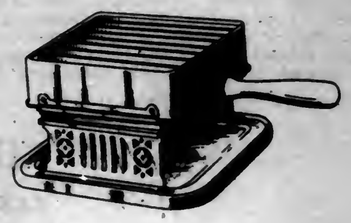
The ornamental design for a chandelier for lighting fixture, as shown.

63,818. ELECTRIC GRILL. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed May 22, 1923. Serial No. 6,242. Term of patent 14 years.



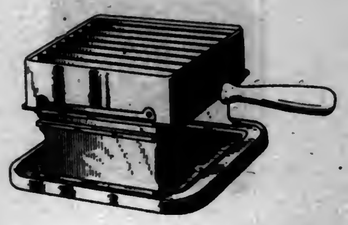
The ornamental design for an electric grill, as shown.

63,819. ELECTRIC GRILL. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed May 22, 1923. Serial No. 6,243. Term of patent 14 years.



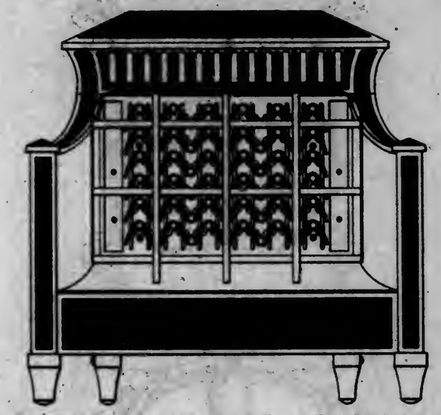
The ornamental design for an electric grill, as shown.

63,820. ELECTRIC GRILL. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed May 22, 1923. Serial No. 6,244. Term of patent 14 years.



The ornamental design for an electric grill, as shown.

63,821. RADIANT ELECTRIC AIR HEATER. JOSEPH BAILEY ELLIS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1923. Serial No. 7,461. Term of patent 14 years.



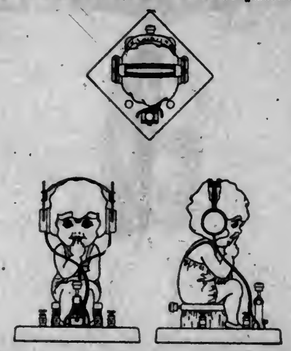
The ornamental design for a radiant electric air heater substantially as shown.

63,822. COMBINED HEEL AND SOLE. ALEXANDER FENTON, Surrey, England. Filed Jan. 5, 1923. Serial No. 4,821. Term of patent 3½ years.



The ornamental design for a combined heel and sole as shown.

63,823. CASING FOR A RADIO RECEIVING SET. WILLIAM M. FINKENAUR, New York, N. Y. Filed Sept. 22, 1922. Serial No. 3,792. Term of patent 14 years.



The ornamental design for a casing for a radio receiving set, as shown.

63,824. STOP SIGNAL AND TAIL-LIGHT LENS. FREDERICK TRINCA and HENRY WOLF, New York, N. Y., assignors to Ever Ready Auto Signal Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 20, 1922. Serial No. 1,257. Term of patent 14 years.



The ornamental design for a stop signal and tail-light lens, as shown.

63,825. ICE-CREAM CONE. DAVID GERBER, Baltimore, Md., assignor to Maryland Baking Company, Baltimore, Md., a Copartnership composed of Joseph Shapiro, Isaac Shapiro, Nathan Shapiro, and Samuel Shapiro. Filed Aug. 28, 1923. Serial No. 7,113. Term of patent 14 years.



The ornamental design for an ice cream cone, as shown.

63,826. FIXTURE ARM. MORIS GERINGER and ISIDOR GERINGER, New York, N. Y. Filed July 3, 1923. Serial No. 6,672. Term of patent 3½ years.



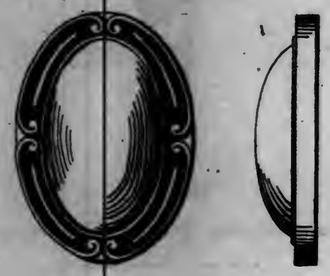
The ornamental design for a fixture arm, as shown.

63,827. TIRE TREAD. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 30, 1922. Serial No. 4,160. Term of patent 14 years.



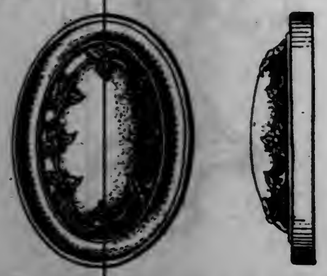
The ornamental design for a tire tread, as shown.

63,828. BRACKET BACK. WALTER R. KAHNS, Brooklyn, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 7,628. Term of patent 3½ years.



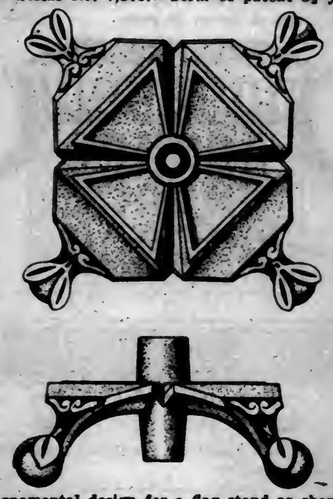
The ornamental design for a bracket back as shown.

63,829. BRACKET BACK. KARL KELLER, Brooklyn, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 30, 1923. Serial No. 7,623. Term of patent 3½ years.



The ornamental design for a bracket back as shown.

63,830. FLAG STAND. IDA K. MARTIN, Minneapolis, Minn., assignor to National Woman's Relief Corps, Decatur, Ill., a Corporation of Illinois. Filed Oct. 1, 1923. Serial No. 7,375. Term of patent 3½ years.



The ornamental design for a flag stand as shown.

63,831. TOY HOUSE. FREDERICK C. MONKHOUSE, Rochester, N. Y. Filed Apr. 22, 1922. Serial No. 1,914. Term of patent 3½ years.



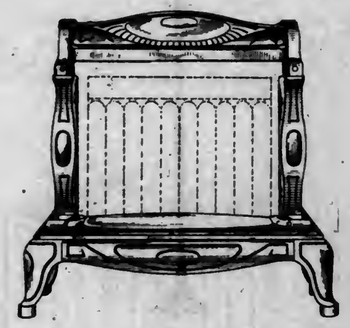
The ornamental design for a toy house, as shown.

63,832. SPOON OR SIMILAR ARTICLE. WILLIAM F. MOWAT, Wallingford, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 1, 1923. Serial No. 5,339. Term of patent 7 years.



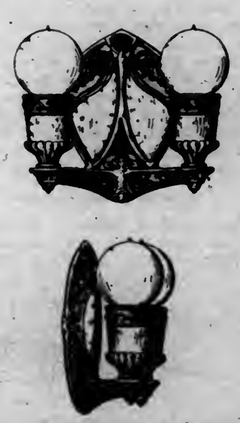
The ornamental design for a spoon or similar article, as shown.

63,833. FRAME FOR OPEN-FIRE GAS HEATERS. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed July 27, 1923. Serial No. 6,877. Term of patent 7 years.



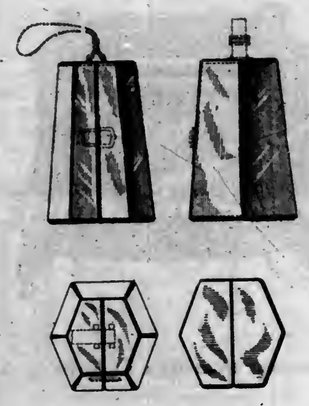
An ornamental design for a frame for open-fire gas heaters, substantially as shown.

63,834. ELECTRIC-LIGHT BRACKET. ALFRED E. REYNOLDS, Danbury, Conn., assignor to The Rogers Silver Plate Company, Danbury, Conn., a Corporation of Connecticut. Filed Oct. 29, 1923. Serial No. 7,616. Term of patent 3½ years.



The ornamental design for an electric light bracket, as shown.

63,835. VANITY CASE AND LADIES' HAND BAG. JACOB RITTER, New York, N. Y. Filed Mar. 31, 1923. Serial No. 5,659. Term of patent 3½ years.



The ornamental design for a vanity case and ladies' hand bag, as shown.

63,836. TALKING-MACHINE CABINET. GORDON E. ROEDDING, Grand Rapids, Mich., assignor to Cheney Talking Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1923. Serial No. 7,262. Term of patent 7 years.



The ornamental design for a talking machine cabinet as shown.

63,837. GAS HEATER. ALEXANDER B. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 5,602. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

63,838. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 27, 1923. Serial No. 7,610. Term of patent 7 years.

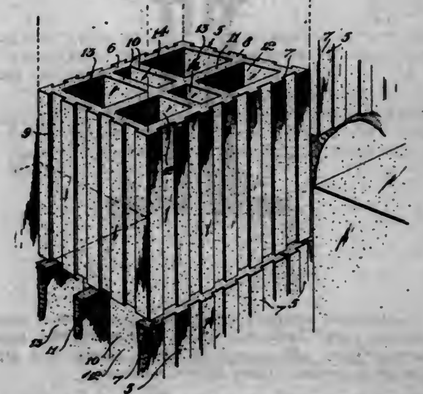


The ornamental design for a lamp as shown.

PATENTS

GRANTED JANUARY 22, 1924.

1,481,249. HOLLOW BUILDING TILE. EDWIN J. BEINECKE, New York, N. Y. Filed Feb. 23, 1922. Serial No. 538,480. 2 Claims. (Cl. 72—41.)



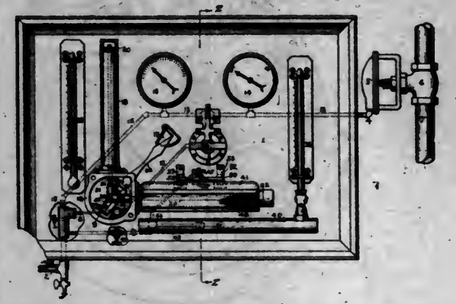
1. A wall structure, comprising superimposed courses of cellular tiles having front, back, and side outer walls, inner walls extending from front to back, and from side to side, forming front and back passages in said tiles, the front passages being of less area than the back passages, the opposite ends of the tile of one course lying in substantially parallel planes, the upper ends of the tile of an adjacent course having a front reduced portion, the front and back outer walls of the several courses of tile being arranged in alignment with each other, the inner front and back connecting walls of one course of tile being arranged in staggered relation to the corresponding walls of a vertically adjacent course, and a facing composed of courses of stringer bricks and an intermediate course of header bricks, the inner ends of the header bricks overlapping the reduced portion of the upper end of one course of tile and being bonded therewith on the upper end of the front wall of said tile and on an inner side connecting wall parallel therewith.

1,481,250. WRENCH. GEORGE J. BOHN and FRED W. WERNER, Milwaukee, Wis. Filed Nov. 25, 1921. Serial No. 517,667. 8 Claims. (Cl. 81—154.)



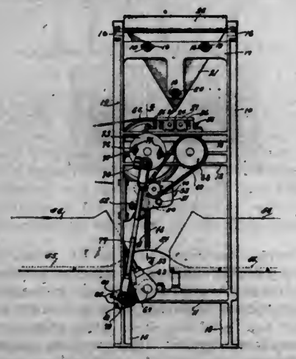
1. In a wrench, the combination of a handle, an arm rigid therewith having two faces inclined towards each other, one of said faces having a recess therein, a wedge-shaped member slidable on one of said faces and having a chamber therein, a collar enveloping said arm and said wedge, and a spring affixed to said wedge-shaped member and said arm for retracting said wedge-shaped member with respect to said arm, said spring being completely housed in said chamber and said recess.

1,481,251. HUMIDITY CONTROLLER. WILLIAM G. R. BRAEMER, Cranston, R. I., and JOSEPH ARMSTRONG, Malden, Mass., assignors to American Moistening Company, a Corporation of Maine. Filed Jan. 24, 1923. Serial No. 614,547. 9 Claims. (Cl. 73—24.)



1. A hygrometer comprising dry and wet elements, means controlled by the conjoint operation of the expansion and contraction of said elements for controlling means adapted for putting a humidifier system into or out of operation in accordance with variations in atmospheric conditions, and means for supplying water to the wet element, said water supplying means comprising an inverted cap arranged longitudinally of the upper portion of the wet element, a source of water supply for feeding water to the interior of the cap, and a nozzle for supplying compressed air to the water for discharging it into the cap.

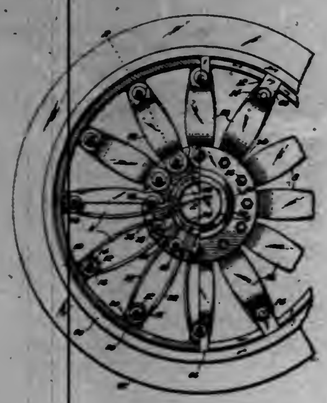
1,481,252. SHEET-FOLDING MACHINE. PETER J. CHRISTMAN, Jr., and JAMES DELOYE, Green Bay, Wis., assignors, by direct and mesne assignments, to Paper Converting Machine Company, Green Bay, Wis., a Corporation. Filed Feb. 20, 1922. Serial No. 537,934. 4 Claims. (Cl. 270—65.)



1. A carrier having cutting blades secured thereto, a plurality of tuckers semi-rotatable on said carrier, said carrier being cut away to receive said tuckers, a plurality of segmental gears pivoted to said carrier, a roller on

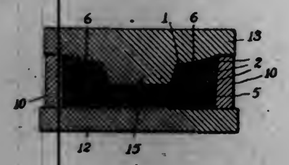
the end of each of said segmental gears, a stationary cam cooperating with said rollers to move segmental gears, and means cooperating with said segmental gears for moving said tuckers into tucking position.

1,481,253. VEHICLE WHEEL. JOSEPH L. COHEN, New York, N. Y. Filed Feb. 25, 1922. Serial No. 539,123. 8 Claims. (Cl. 152—51.)



1. In a vehicle wheel, a hub, a felly, a plurality of resilient spoke elements each consisting of a resilient spoke plate bent intermediate of its ends to provide oppositely bowed portions extending between the hub and felly, means for securing the intermediate portion of the spoke plate to the felly, and means mounted in the wheel hub between the ends of the spoke plate spacing said ends apart but permitting of their radial movement with respect to the hub in the flexing action of the bowed portions of the spoke plate.

1,481,254. METHOD FOR PRODUCING HEELS. LEON B. CONANT, Cambridge, Mass., assignor to George W. Conant, Bridgewater, Mass. Filed Nov. 17, 1920, Serial No. 424,553. Renewed June 7, 1923. 2 Claims. (Cl. 18—59.)



1. The herein described process of producing heels and the like, which consists in placing within a mold a plurality of substantially duplicate perforated layers composed of fibrous material, and a biscuit of rubber composition, and applying heat and pressure thereto, the pressure being applied in a way to concave said plies and thereby to put said perforations in adjacent layers partly out of alinement, whereby the rubber composition forced into said perforations is given a staggered form and made more strongly to retain their place therein.

1,481,255. TRANSPORTING CONDUIT FOR VISCOUS SUBSTANCES AND PROCESS OF MAKING THE SAME. HARRY A. CUMPER, Chicago, Ill. Filed July 15, 1920. Serial No. 396,492. 5 Claims. (Cl. 29—157.)



1. Jacketed conduits comprising inner product transporting pipes, circulating shells surrounding the transporting pipes, and connecting flanges having said pipes and shell portions rigidly fitted thereto.

1,481,256. MAGNETIC TOY. THEODORE DOLS, Hopkins, Minn. Filed Apr. 23, 1923. Serial No. 633,894. 2 Claims. (Cl. 46—49.)

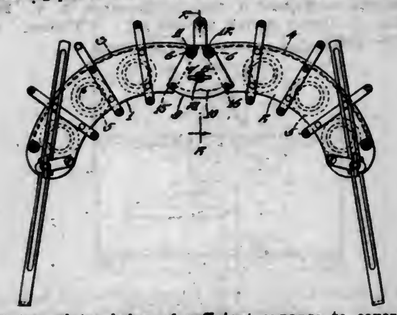


1. A device of the kind described, comprising two horse shoe magnets set one within the other and at right angles to each other; and a flat and rayed magnetized armature having a central spinning point on its under side.

1,481,257. HINGE. WALTER S. EDMANDS, Boston, Mass. Filed Feb. 11, 1922. Serial No. 535,909. 3 Claims. (Cl. 16—163.)

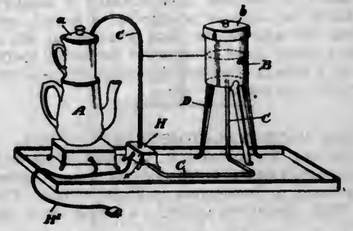
2. In combination with two members to be hinged together at adjacent ends in such manner that the two members may be turned on the hinge to bring said adjacent ends into converging relations to each other, two plates between which the adjacent ends of said first two members are embraced, a pivot which passes through both of said plates and one of said embraced members,

and another pivot which passes through both of said embracing plates and the member embraced between them,



said two plates being of sufficient expanse to cover the space between the said two embraced members when they are opened out on the pivots.

1,481,258. APPARATUS FOR MAKING DRIP COFFEE. EDWIN SAMUEL GARDINER, New Orleans, La. Filed Dec. 14, 1922. Serial No. 606,895. 5 Claims. (Cl. 53—3.)



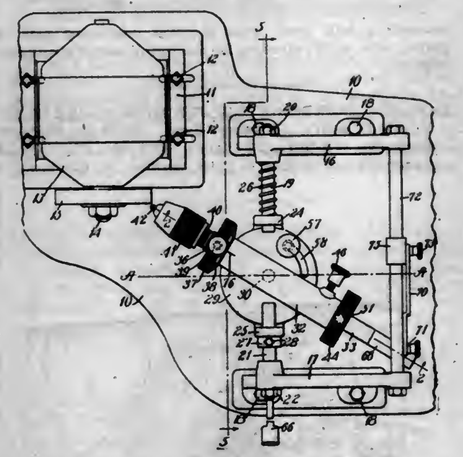
1. Apparatus for making drip coffee, comprising a coffee pot, a coffee receptacle delivering thereto, a liquid reservoir outside the pot, a pipe extending from the reservoir to the upper part of the coffee receptacle and delivering thereto, and a heater outside the pot applied to the supply pipe between the reservoir and the receptacle.

1,481,259. FISHING TOOL. JAMES E. HARRISON, Ardmore, Okla. Filed Jan. 19, 1923. Serial No. 613,676. 4 Claims. (Cl. 294—116.)



1. In a device of the character described, a socket, a pair of gripping jaws pivotally mounted in said socket, a movable plunger mounted in said socket above said jaws and adapted to close said jaws when in lowered position, means for normally retaining said plunger in raised position, and a spring to lower said plunger when said retaining means are released.

1,481,260. APPARATUS FOR POSITIONING AND GRINDING TWIST DRILLS. GEORGE HEMENWAY, Fitchburg, Mass. Filed Oct. 14, 1922. Serial No. 594,465. 10 Claims. (Cl. 51—219.)



1. An apparatus of the character described comprising, in combination, a grinding wheel, means to rotate said grinding wheel, means to hold a drill, means to support said holding means to position the longitudinal median line of said drill at a predetermined angle to the face of said grinding wheel, means to adjust said holding means to position a cutting edge of said drill relatively to the face of said grinding wheel, said holding means also being adapted to be rotated to position another cutting edge of said drill relatively to said grinding wheel and means to move said drill supporting means to feed said drill into engagement with said grinding wheel.

1,481,261. STRAIGHT-LINE HULL. MYRON F. HILL, New York, N. Y. Filed Mar. 15, 1918, Serial No. 222,567. Renewed June 14, 1923. 3 Claims. (Cl. 114—79.)

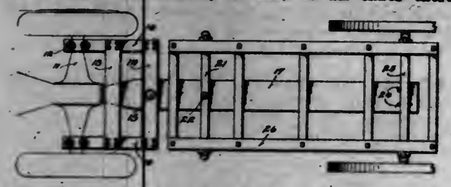


1. In a ship, a backbone composed of a cast H-section of cast metal molded in sections, each having a center girder member of one section dovetailed between the keel plate and tank top portions of the backbone of the next section and secured thereto and to the next portion of the center girder and having the tank top and keel plate edge portions of the backbone of one section secured to the corresponding members of the next section.

1,481,262. TRAILER ATTACHMENT FOR TRACTORS. CHARLES HULL, Tigerton, Wis. Filed Nov. 25, 1921, Serial No. 517,664. Renewed Nov. 23, 1923. 2 Claims. (Cl. 280—33.4.)

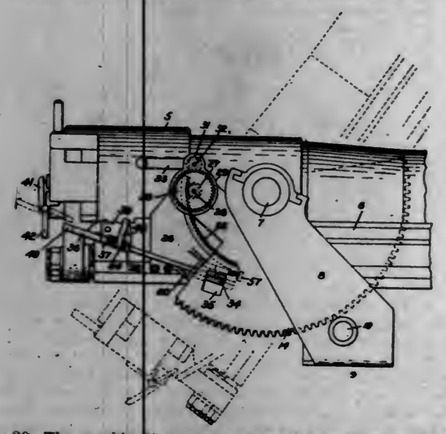
1. The combination of a tractor axle housing, supports pivotally secured thereto, a pair of apertured plates vertically aligned and spaced by said supports, a second pair of plates spaced by said supports and vertically aligned,

a reach resting upon the lower two of said plates, a pin pair of plates and freely slidable at all times there-



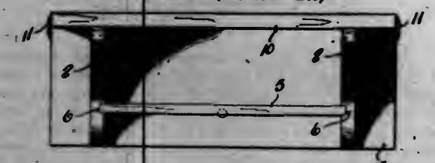
connecting said reach with the first mentioned pair of plates, said reach extending between said second mentioned between.

1,481,263. SAFETY DEVICE FOR HIGH-ANGLE GUNS. BRYAN P. JOYCE, Davenport, Iowa. Filed Oct. 26, 1923. Serial No. 670,167. 20 Claims. (Cl. 89—41.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



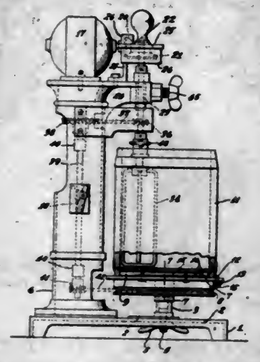
20. The combination of a gun cradle provided with a gun having firing means, of means for moving the gun to an elevated position for firing, means for moving the gun independently of the elevating means to and from a position for loading and cooperating members on the gun and elevating means for stopping the gun when it has been returned from its loaded to its elevated position, means connected to one of said stop members adapted to prevent firing of the gun except when the gun is in its elevated position.

1,481,264. FOLDABLE SHELF. WILLIAM KAUFERT, Wisconsin Rapids, Wis. Filed Apr. 24, 1923. Serial No. 634,215. 3 Claims. (Cl. 211—27.)



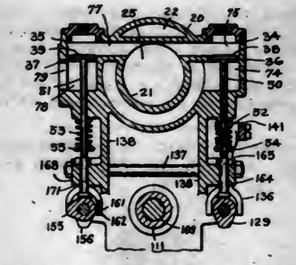
3. A foldable shelf comprising a back plate, a shelf portion hinged thereto and adapted to swing upwardly into alignment with said back plate, a pair of brackets hingedly mounted upon said back plate and adapted to be locked outwardly therefrom into shelf supporting position, said brackets and shelf portion having interengaging fastening means, a brace extending between said brackets, said brackets having slots adapted to removably receive said brace, and a spring connecting said brace and said back plate, and continuously tending to draw said brace towards said back plate.

1,481,265. MIXER OR EMULSIFYING MACHINE. JOHN KILSHAW, Brooklyn, N. Y., assignor of three-fourths to Michael A. Dupper, Brooklyn, N. Y. Filed May 3, 1922. Serial No. 558,257. 3 Claims. (Cl. 259—108.)



1. A machine of the character described embodying an agitator, means for rotating the agitator at a relatively high speed, a rotatable table adapted to support a tub into which the agitator is adapted to extend, means for rotating the table in the same direction as the agitator but at a lesser speed, and means for bodily shifting the table in a lateral direction to control the position of the agitator in the tub.

1,481,266. INTERNAL-COMBUSTION ENGINE. ROSCOE F. LEVENS, Portsmouth, R. I., assignor, by direct and mesne assignments, to The Levens Motor Company, Incorporated, a Corporation of Rhode Island. Filed Oct. 20, 1920. Serial No. 418,147. 3 Claims. (Cl. 123—21.)

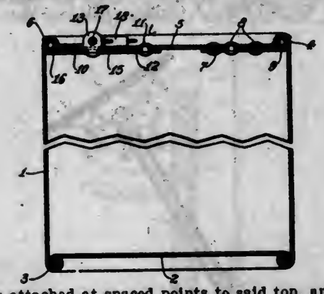


1. In an internal combustion engine, a cylinder comprising inner and outer cylindrical walls with an intermediate annular air chamber shut off from communication with the crank case and closed at both ends, a piston reciprocable in said cylinder, a piston rod connected with said piston and reciprocable through one end of the cylinder, a gland for said piston rod, said air chamber forming a precompression chamber, there being ports affording communication between the cylinder and air chamber at one end of the cylinder, and exits from said air chamber, there being a valve-controlled passage between the cylinder and said air chamber, to prevent communication therebetween during four-cycle operation.

1,481,267. METAL SHIPPING PACKAGE. DWIGHT R. NORRIS, WALTER H. BAKER, and EDWARD C. WALKER, St. Louis, Mo., assignors to National Lead Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 1, 1921. Serial No. 488,971. 3 Claims. (Cl. 220—55.)

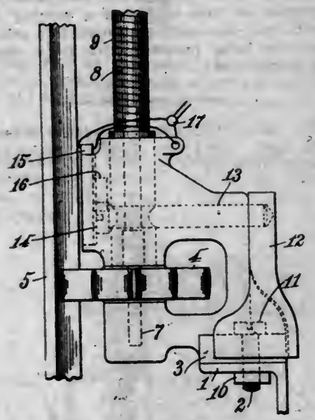
1. A shipping package having an inwardly extending rim, a removable cover having an upstanding marginal flange adapted to lap over said rim and provide a de-

pressed top, a retainer attached at spaced points to said top and adapted to take under said rim, a locking element



movably attached at spaced points to said top, and means disposed within the depression of said top for sealing said locking element.

1,481,268. DRIVING MEANS FOR TAXIMETERS AND SPEEDOMETERS. JOHN F. OHMER, Jr., and FRED GRAY, Dayton, Ohio. Filed Sept. 11, 1919. Serial No. 323,209. 11 Claims. (Cl. 74—7.)



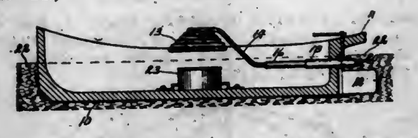
1. In a driving means for taximetera and the like, a driving wheel of an automobile, a gear secured thereto, a second gear in mesh therewith, a frame supporting said second gear, a bracket supporting said frame, means attaching said frame to said bracket, a cover plate for said attaching means, the removal of said cover plate being under the control of said wheel.

1,481,269. WINDOW-DRAPERY-HANGER DEVICE. FRANK A. PETERS, Chicago, Ill. Filed May 14, 1920. Serial No. 381,324. 1 Claim. (Cl. 156—22.)



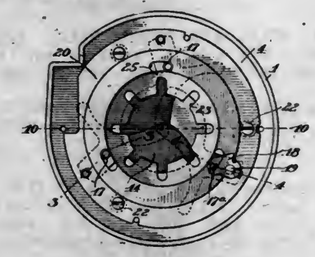
In a window drapery support, an upright, means slidably and rotatably securing said upright at one side of the window, a U-shaped cross piece secured to the upper end of said upright and extending across the window with the open end of the U toward the window, a supplemental tubular cross piece connecting the arms of the U, said tubular cross piece having its ends collapsed and formed to fit the arms of the U, the closed end of the U and said cross piece being both telescopic.

1,481,270. PROCESS AND DEVICE FOR OBTAINING A RECIPROCATING MOVEMENT. WILLIAM F. PURCELL, Hoboken, N. J., assignor to Hydromotor Company, Inc., a Corporation of New York. Filed Dec. 18, 1920. Serial No. 431,759. 10 Claims. (Cl. 115—14.)



1. In a device of the character specified, in combination, a boat, a conduit having a coiled portion and expanded non-coiled portions carried by the boat, the non-coiled portions being extended rearwardly and outwardly of the boat below its water-line and means for applying heat to the coiled portion to cause a reciprocating movement to the liquid within the non-coiled portion.

1,481,271. PHOTOGRAPHIC SHUTTER. WILLIAM A. RIDDELL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 641,384. 5 Claims. (Cl. 95—63.)



1. In a photographic shutter, the combination with a shutter case having a lens opening therein and shutter blades fulcrumed on the case, of a blade actuating ring turning on the case within the opening and having an oscillatory operative movement, said ring being interlocked with the case by a rotary movement of greater magnitude than its operative movement.

1,481,272. EXPOSURE-IDENTIFICATION CAMERA. JOHN A. ROBERTSON and PHILIP W. TIERNEY, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 542,105. 13 Claims. (Cl. 95—1.1.)



1. In a folding camera, the combination with a body having a bellows chamber provided with an opening through a side wall of the body, a bellows, and a frame forming an exposure opening at the rear of the bellows and chamber and provided in one of its sides with a marginal opening registering with the otherwise masked

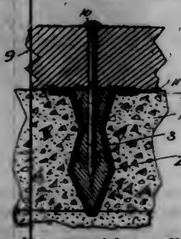
margin of a film or plate when in rear of the frame and exposure opening, of a projection device arranged within the bellows chamber for conducting light from the opening in the side wall of the body to the marginal opening in the frame.

1,481,273. SCRAPER BUCKET. HARRY A. ROE, Chicago, Ill., assignor to John A. Sauerman, Chicago, Ill. Filed Dec. 23, 1920. Serial No. 432,667. 12 Claims. (Cl. 37—147.)



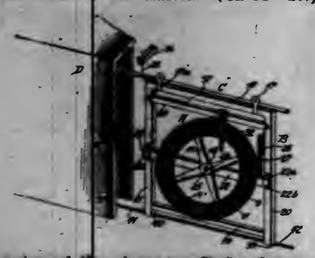
1. A bottomless scraper bucket comprising a body the sides of which curve in plan rearwardly toward the axis thereof and the upper and lower portions of which sides diverge forwardly.

1,481,274. WALL AND FLOOR PLUG. SAMUEL W. ROTHROCK, New York, N. Y. Filed Aug. 22, 1922. Serial No. 583,509. 1 Claim. (Cl. 72—105.)



A wall or floor plug comprising a filler of fibrous material, and a metal casing surrounding the filler on all sides but one, the casing being provided with outwardly turned flanges at its open end and being further provided with non-perforating depressions, which engage with the filler on the inside of the casing and are adapted to be engaged by the mortar or concrete in which the plug is set.

1,481,275. APPARATUS FOR STRETCHING LAUNDERED ARTICLES FOR DRYING. ALBERT O. SCHRAMM, Los Angeles, Calif. Filed May 8, 1920. Serial No. 379,953. 13 Claims. (Cl. 34—17.)



1. Apparatus of the character disclosed comprising a rotatable member mounted for rotation about an axis at right angles to its face, means for engaging and holding circular washed articles of varying diameters to said member, and carrier means upon which said member is rotatably mounted.

1,481,276. STEERING-WHEEL LOCK. HARRY D. STEINMANN, Bayridge, Brooklyn, N. Y. Filed Feb. 27, 1923. Serial No. 621,686. 5 Claims. (Cl. 74—33.)



1. In a locking device for a steering wheel, the combination of a fixed post, a steering bar mounted therein and provided at its upper end with a head, a threaded cam mounted on said head, and a steering wheel provided with cross-bars slidingly mounted on said head, one of said bars being provided with teeth engaging the threads of said cam.

1,481,277. ALCOHOL TESTER. JACOB WERSHOW, New Haven, Conn. Filed Mar. 27, 1923. Serial No. 628,177. 2 Claims. (Cl. 23—3.)



1. An alcohol tester, comprising a wick-container, a cap closing the same, and a plug carrying a coil housed within said cap.

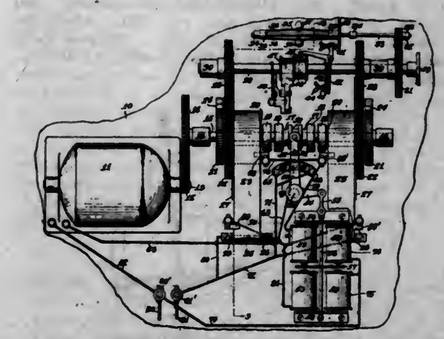
1,481,278. MULTIPLE-SOCKET RECEPTACLE STRIP. FRANK W. WOOD, Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1919. Serial No. 346,894. 4 Claims. (Cl. 173—334.)

1. A multiple socket receptacle strip including a plurality of parallel bus bars having relatively spaced sockets therein, an integral casing of insulating material molded around the bus bars and completely enveloping the same at one end, the said casing having socket holes in one side face extending inwardly into registration with the respective bus bar sockets, the bus bars being terminated short of both casing ends, the casing being provided at the end opposite to that at which the bus bar ends are completely enveloped with lateral recesses contoured for the reception of the main or feed wires, the said recesses extending from the adjacent bus bar ends to the face in which the socket holes are located, the casing having lateral openings extending from the said bus bar



ends to the said face of the casing and terminal connectors for the last mentioned ends of the bus bars contained within the lateral openings of the casing.

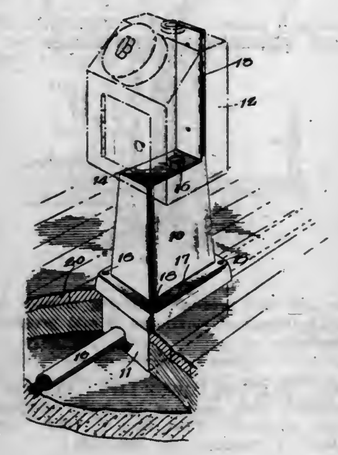
1,481,279. APPARATUS FOR ACCUMULATION AND TRANSMISSION OF POWER. HYMAN M. ZIPPEL, Philadelphia, Pa. Filed Feb. 1, 1922. Serial No. 533,440. 6 Claims. (Cl. 185—11.)



1. In a device of the class described, a motor driven shaft, sleeves mounted on said shaft, coiled springs secured to said sleeves and to supports, clutch mechanism to engage said sleeves alternately to cause them in turn to rotate on said shaft to wind the springs secured thereto, electrically controlled means to shift said clutch mechanism laterally when a spring is wound and means to automatically shut off the motor when said springs are wound, substantially as described.

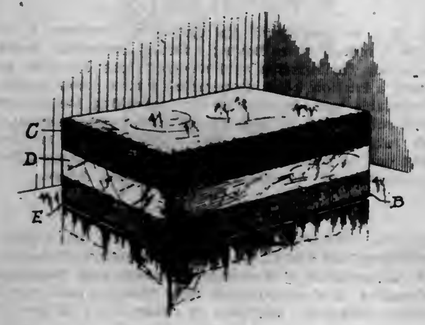
1,481,280. SWITCH MOUNTING FOR MACHINES HAVING INDIVIDUAL MOTORS. JOE P. BIVENS, Gastonia, N. C., assignor to Michael and Bivens Incorporated, Gastonia, N. C., a Corporation of North Carolina. Filed Dec. 8, 1922. Serial No. 605,691. 2 Claims. (Cl. 247—1.)

2. As a new article of manufacture, a switch supporting cover for junction boxes consisting of an upright hollow body open at one end and having an apertured outstanding flange around its said open end, the opposite end having a switch supporting surface and an



integral upstanding switch anchoring extension, as and for the purpose set forth.

1,481,281. IMITATION FROZEN CONFECTION AND METHOD OF MAKING THE SAME. GEORGE FREDERICK BOESSER, Arlington, N. J. Filed Feb. 21, 1923. Serial No. 620,350. 3 Claims. (Cl. 41—17.)

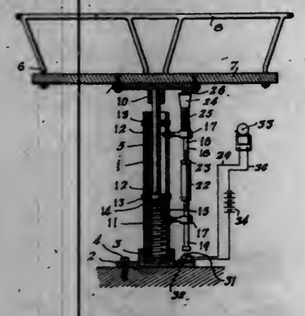


1. The method of simulating frozen confections which consists in coating a form with paint of a color corresponding to the color of the confection and causing said paint to "run" to produce an appearance of melting.

1,481,282. WEIGHING MACHINE. JOHN J. COLE, Orange, N. J. Filed Mar. 2, 1920. Serial No. 362,821. 6 Claims. (Cl. 265—63.)

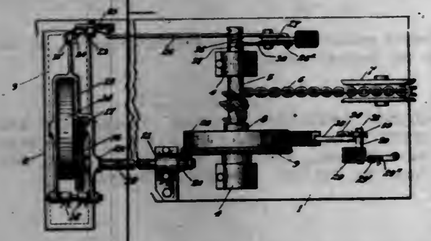
1. In a device of the character described, the combination of a fixed member, a pressure receiving member, yielding means interposed between said fixed member and said pressure receiving member to allow said pressure receiving member to move toward said fixed member

as pressure is applied to said pressure receiving member, and an extensible member interposed between said fixed



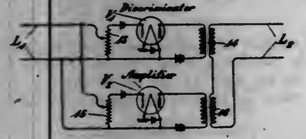
member and said pressure receiving member for regulating the amount of movement of said pressure receiving member.

1,481,283. TRACTOR POWER LIFT. EARLE H. DANIEL, Springfield, Ohio, assignor, by mesne assignments, to R. W. Johnston. Filed May 1, 1922. Serial No. 557,602. 7 Claims. (Cl. 192—138.)



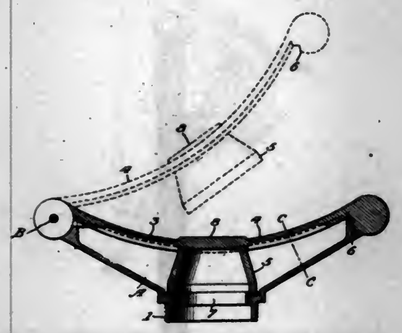
1. In a mechanism of the character described, a rotatable winding device having a flexible connector, power mechanism for rotating said device in one direction including a friction wheel cooperating with a power operated rotatable member, a brake for controlling the reverse movement of said winding device, and means associated with said winding device for throwing said friction wheel out of contact with said rotatable member after a predetermined movement of said winding device.

1,481,284. MEANS FOR AND METHOD OF AMPLITUDE SELECTION. RALPH W. DEARDORFF, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 5, 1921. Serial No. 505,591. 23 Claims. (Cl. 178—44.)



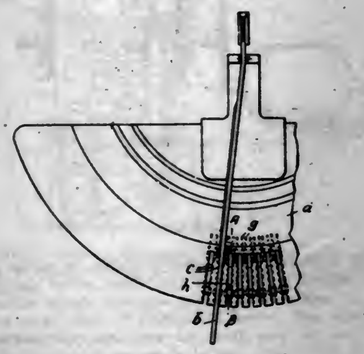
1. The method of discriminating between currents of the same frequency but of different amplitudes, which consists in translating said currents without changing the relative amplitudes of the individual currents, translating said currents to produce a change in the relative amplitudes of the individual currents, and combining the resulting components so that components of certain amplitudes neutralize each other.

1,481,285. AUTOMOBILE RADIATOR CAP. ARTHUR HARRY HARVEY, Dunbar, Pa. Filed Nov. 25, 1921. Serial No. 517,663. 2 Claims. (Cl. 220—86.)



1. The combination with a hollow shell constructed and adapted to screw at the center to the radiator, the ends tapering and extending upwardly with the upper edge curved, a lid hinged at one end to one end of the shell, and conforming in shape to, and adapted to interlock with the curved upper edge of the shell, and having means at the free end for rigidly fastening the lid in closed position, the shell having an annular seat at the center and a cup which co-operates with the annular seat, and a gasket adapted to be held therebetween when the lid is closed.

1,481,286. LEVER BEARING AND METHOD OF MAKING SAME. MAX HELM, Niederschonhausen, near Berlin, Germany. Filed Aug. 24, 1921. Serial No. 494,972. 6 Claims. (Cl. 197—38.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

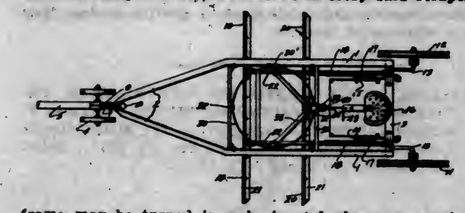


1. Bearing for the type bars and the like of typewriting and other machines comprising in combination, a cast metal body with a plurality of closely adjoining slots and a pair of hard metal plates embedded and fixed in parallel position in the side walls of each slot.

1,481,287. ROAD MACHINE. JAMES B. JARMIN, Spokane, Wash. Filed Apr. 10, 1922. Serial No. 551,316. 9 Claims. (Cl. 37—155.)

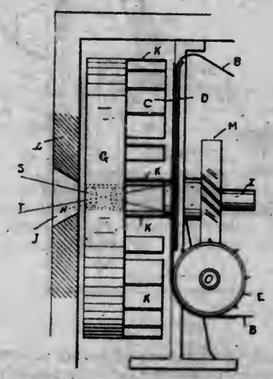
1. The combination in a wheeled scraper with a vertically adjustable main frame, of a flexible scraper frame having a swiveled connection on and suspended from

the main frame, a scraper having pivotal connection with the scraper frame, and means whereby said scraper



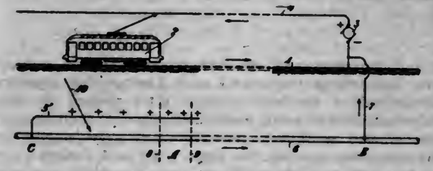
frame may be turned in a horizontal plane on a point at the longitudinal center of the main frame.

1,481,288. HIGH-SPEED CAMERA. CHARLES FRANCIS JENKINS, Washington, D. C. Filed Apr. 14, 1921. Serial No. 461,427. 2 Claims. (Cl. 88—16.8.)



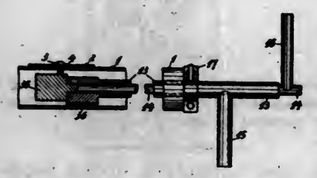
1. The combination with a camera casing having a light aperture and film feeding devices, of a disk carrier having fixed in its peripheral zone an annular series of duplicate, closely adjacent lenses in position to pass said aperture successively, radial partitions fixed to the carrier, separating each lens from its neighbors and extending substantially to the film, and means for moving the lenses and film at identical speeds across the path of light from said aperture, said carrier, lenses, and partitions moving as if integral.

1,481,289. ELECTROLYSIS MITIGATION. GEORGE G. JONES, Cambridge, Mass., assignor to American Telephone and Telegraph Company, a Corporation of New York. Original application filed Sept. 24, 1920, Serial No. 412,433. Divided and this application filed Apr. 27, 1922. Serial No. 556,931. 1 Claim. (Cl. 171—316.)



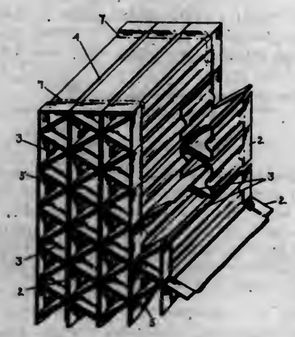
An electrically operated railway system, a metallic article buried in the ground in the vicinity of the tracks of said system, means to connect said article to the negative pole of the generator of said system, and a conductor buried in the ground in the vicinity of a section of said article which would normally have a potential positive to earth, said conductor being connected to a section of said article having a potential positive to the potential of said first mentioned section of said article, whereby the earth potential in the vicinity of said first mentioned section of said article will be raised so as to be positive with respect to said first mentioned section of said article.

1,481,290. RIVETING DEVICE. HUGO JUNKERS, Dessau, Germany. Filed July 11, 1921. Serial No. 483,852. 5 Claims. (Cl. 78—51.)



1. A riveting device for hollow bodies comprising a cam faced anvil and means for gradually displacing said anvil within the hollow body in contact with the rivet stem and with the opposite wall of said body so as to enlarge the distance between the point of contact of the cam face with the rivet and said wall.

1,481,291. HEAT-EXCHANGE DEVICE. THOMAS J. KEHOE, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio. Filed Dec. 4, 1915. Serial No. 64,969. 9 Claims. (Cl. 257—130.)

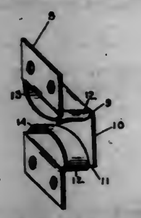


1. In a device of the class described, the combination of water tubes provided with hollow fins extending laterally and upwardly therefrom, at an angle of approximately 60°, the width of said fins being approximately equal to the distance between the successive fins, said tubes being provided with outwardly swelled portions between successive fins and being assembled together with the outer edge of each of said laterally extending fins engaging the base of a laterally extending fin on the next adjacent water tube.

1,481,292. DOOR-GRIPPING DEVICE. THOMAS J. KEHOE, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed July 24, 1916. Serial No. 110,862. 7 Claims. (Cl. 16—85.)

1. A buffer for doors comprising two independently supported parts, one of said parts being provided with a groove, the opposite walls of said groove being provided with notched edges, a pair of bowed springs dis-

posed in said groove, and having inturned ends engaging in said notches, whereby said springs are supported by



said member; the other of said members having a wedge-shaped lug operating in said groove, and adapted to be yieldingly engaged by said spring.

1,481,293. END LABEL FOR CLOTH BOLTS. JOHN W. LITTLE, Jr., Pawtucket, R. I. Filed Feb. 23, 1923. Serial No. 620,691. 1 Claim. (Cl. 40—20.)

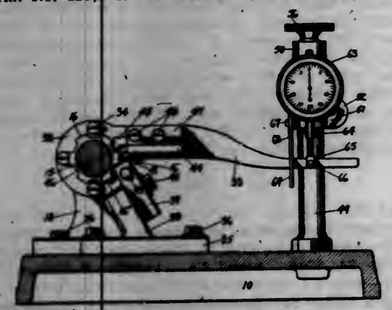
A tag for bolts of cloth comprising a tongue capable of being inserted between the folds of the bolt, a tag for printed matter, and a flexible member united to one transverse edge of said tongue and to the rear face of said tab extending transversely thereof intermediate the upper and lower edges of the same for allowing the tab to be held in a position at right angles to the longitudinal axis of the bolt or in a position projecting longitudinally therefrom.

1,481,294. SIGHT FOR FIREARMS. LAWRENCE W. LUELLEN, Mountain Lakes, N. J. Filed Nov. 1, 1918. Serial No. 260,651. 8 Claims. (Cl. 88—2.3.)



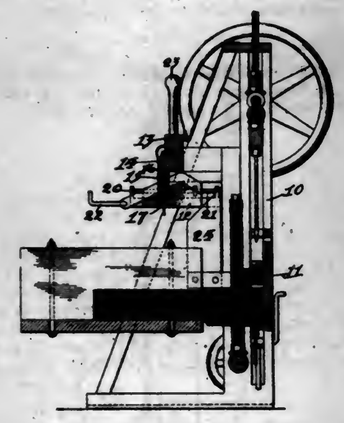
1. In combination with a firearm, a reflecting sight detachably arranged adjacent the rear sight, said reflecting sight being provided with means for alignment with the front sight to facilitate the proper sighting of the arm, said means comprising a projection located immediately in advance and at the base of the reflector, said projection having a central depression.

1,481,295. GAUGING MACHINE. HANS LUTZ, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed Oct. 6, 1920. Serial No. 415,128. 20 Claims. (Cl. 33—148.)



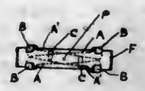
1. In a gauging machine, means adapted to rotatably support an object having projections thereon, means adapted to form a stop for one of said projections and means adapted when said object is rotated into engagement with said stop to indicate whether or not the distance between said projections is greater or less than a predetermined distance.

1,481,296. BACK MEASURING AND SHAPING DEVICE FOR BOOKBINDING MACHINES. CHARLES F. MCBEE, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio. Filed Dec. 30, 1918. Serial No. 269,014. 4 Claims. (Cl. 11—1.)



1. In a book binding machine having a pressure bar to retain the sheets in position, an attachment for measuring and shaping the back to be used in forming the volume, comprising a carrying frame with a movable plate; means for positioning the movable plate to measure the flanges to be formed on the back, and means to form the said flanges, substantially as shown and described.

1,481,297. FINGER-RING GUARD. ALEXANDER MCKELLAR, Greenock, Scotland. Filed Nov. 29, 1922. Serial No. 604,116. 1 Claim. (Cl. 63—17.)

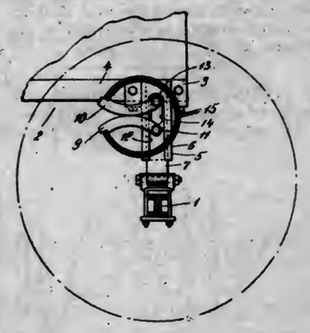


A finger ring guard for reducing the size of a finger ring, comprising two plates each having ring gripping prongs turned up from opposite sides thereof at their ends, said plates being pivoted together at their central portion, one of said paltes, also having projections on opposite sides between the pivot point and the ends for bending over the other plate to lock the gripping prongs against the loop of the ring.

1,481,298. SPRING STRUCTURE. ROBERT J. MACNAIR, Providence, R. I. Filed June 3, 1920. Serial No. 386,215. 6 Claims. (Cl. 267—19.)

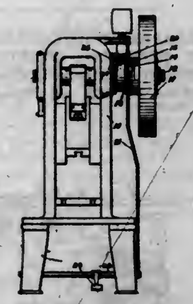
1. In a spring structure, the combination of a pair of rocking levers supporting the members whose movement

is to be cushioned with their contacting faces forming a shifting fulcrum and a spring for such levers comprising



a spring encircling the levers with its opposite ends bearing against the free ends of the levers and tending to press them together.

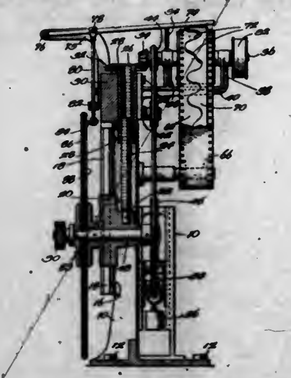
1,481,299. SAFETY DEVICE. WILLIAM J. MARTIN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed May 3, 1918. Serial No. 232,236. 1 Claim. (Cl. 192—24.)



In a machine of the class described, a horizontal shaft, a drive wheel loosely mounted upon the shaft, said drive wheel being provided with a clutch face, a clutch splined to said shaft for movement into and out of engagement with the said drive wheel clutch face, a cam on said clutch, a plunger movable into engagement with said cam to shift the clutch out of engagement with the drive wheel, automatic means for preventing further forward rotation of the clutch after its disengagement with the drive wheel and means for preventing the reverse rotation of the clutch at all times, comprising a ratchet wheel rigidly mounted upon the clutch and a pawl mounted upon a rigid portion of the machine, the lateral proportions of the pawl and ratchet being such as to cause those parts to co-operate during all positions of the clutch.

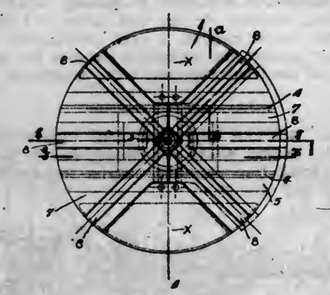
1,481,300. PHONOGRAPH-RECORD-TRANSFER MACHINE. HOWARD L. PAGE, Chicago, Ill. Filed Sept. 12, 1921. Serial No. 500,013. 4 Claims. (Cl. 274—3.)

1. In a phonographic record reproducing machine, a support for an undulated record, a support for a record blank on which the undulations of the record are to be reproduced, means for simultaneously imparting a single movement to one support and two movements to the other support, and means adapted to be operated by movement



of a supported record to reproduce the undulations thereof on a supported record blank during movement of the latter.

1,481,301. UNIVERSAL FACEPLATE FOR MACHINE TOOLS. JOSEPH PIRON, Scleasin, Belgium. Filed Mar. 14, 1922. Serial No. 543,670. 7 Claims. (Cl. 82—40.)



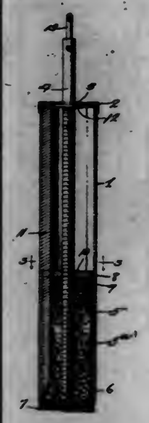
1. A universal face-plate for machine-tools, comprising a body adapted to be secured upon the machine spindle, plate-sections mounted upon said body, parallel screw-threaded spindles mounted in said body, said screw-threaded spindles lying in a plane at right angles to the axis of the machine spindle, nuts engaged upon said screw-threaded spindles, said nuts being operatively connected to said plate-sections, and means for guiding said plate-sections in movement towards or away from the center.

1,481,302. LOCOMOTIVE. JOHN D. PUGH, Mount Washington, Baltimore, Md. Filed Sept. 11, 1916, Serial No. 119,570. Renewed Sept. 26, 1923. 10 Claims. (Cl. 105—36.)



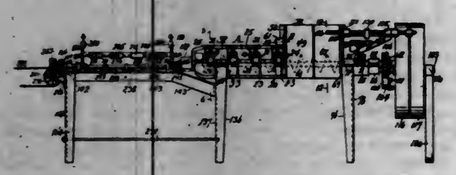
1. The combination with a steam locomotive, of an independently operable electric locomotive detachably connected thereto, said electric locomotive having motors connected to its driving wheels, a generator adapted to be connected to said motors, a collector for obtaining current for said motors from an external source, and a turbine for driving said generator, adapted to be operated by the exhaust steam from the steam locomotive.

1,481,303. STEEL-WOOL HOLDER. ERNEST C. REIMER, Algonquin, Ill. Filed Nov. 2, 1922. Serial No. 598,611. 1 Claim. (Cl. 15—209.)



A holder for paper cartons containing steel wool, said holder comprising a tubular member, a cap threaded on the upper end of the tubular member, a feed screw rotatably mounted in a bearing of the cap, a carton engaging disc threaded on the feed screw and disposed within the tubular member, a guide rib disposed within the tubular member and engaging a recess in the disc, the open end of the tubular member being constricted.

1,481,304. BUTTER CUTTING AND PRINTING MACHINE. ALBERT SHARP and GEORGE SHARP, Bayonne, N. J. Filed Dec. 24, 1920. Serial No. 432,907. 9 Claims. (Cl. 31—25.)

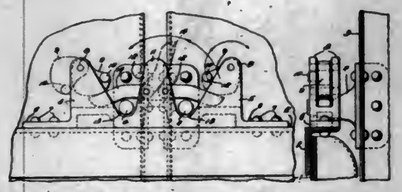


1. In a machine the combination of a charging chamber, a conveying chamber connected to the charging chamber, a pair of conveyer shafts extending through the charging chamber and conveying chamber, a spiral conveyer connected to each shaft, spur gears on the shafts meshing with each other, a driving shaft for the machine, an intermittent gear on the driving shaft, an intermittent gear on one of the conveyer shafts coacting with the other intermittent gear, a shock absorbing lug on the latter shaft, and a shock absorbing roller on the intermittent gear of the driving shaft contacting during its revolution with the said shock absorbing lug.

6. In a machine the combination of an oscillating shaft, cutting arms with one end of each connected to said shaft, a supporting bar connecting said arms adjacent to said shaft, a supporting bar connecting said arms at their ends distant from said shaft, wire carrying sleeves adjustably connected to each supporting bar, a lip extending from each sleeve on one of said bars, a screw adjustably connected to the sleeves of the other bar and cutting wires connecting each lip with one of said screws.

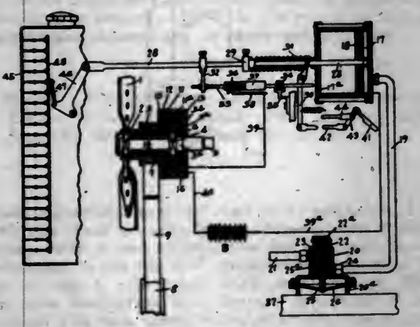
9. In a machine the combination of a charging chamber, a conveyer chamber connected to the charging chamber, means to feed a material operated upon from the charging chamber to the conveying chamber, an outlet nozzle for the conveying chamber, rollers extending from the outlet nozzle to carry material discharged from said nozzle, cutting means for said material operating over said rollers, printing means for said material actuating with the cutting means and a conveyer at the other end of said rollers.

1,481,305. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, Chappaqua, N. Y. Filed Apr. 28, 1921. Serial No. 465,347. 8 Claims. (Cl. 105—366.)



1. The combination with a car, of a series of lading compartments mounted thereon, projections secured to each compartment, and a series of fastening devices secured at the sides of the car adapted to receive said projections thereby locking the compartments to the car; said fastening devices consisting of a pocket to receive the projection, a pawl adapted to bridge the pocket over the projection and means to lock the pawl in its operative position.

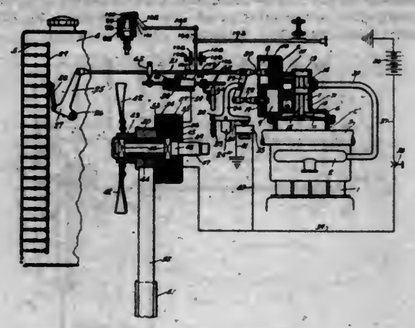
1,481,306. TEMPERATURE-CONTROLLING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. HARVE R. STUART, Springfield, Ohio. Filed Aug. 15, 1919. Serial No. 317,822. 18 Claims. (Cl. 123—174.)



1. In a cooling system for an explosive engine, the combination of a cooling member for said engine such as a fan, electrically-operated devices for controlling said cooling member, and thermostatically-controlled fluid-operated mechanism for controlling said electrically-operated devices as influenced by the temperature of said engine.

1,481,307. TEMPERATURE-REGULATING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. HARVE R. STUART, Springfield, Ohio. Filed June 14, 1920. Serial No. 388,716. 18 Claims. (Cl. 123—174.)

1. In a cooling system for an internal combustion engine, devices for creating a circulation of air, and means, including fluid pressure operated mechanism operated in both directions solely by a vacuum creating source and a thermostat influenced by the temperature of



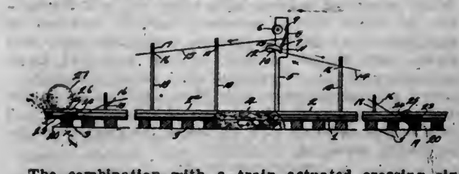
the engine for controlling said mechanism, for throwing said air circulation creating devices into and out of operation.

1,481,308. COIN CONTAINER. REGINALD TROY TAYLOR, New Virginia, Iowa. Filed July 12, 1922. Serial No. 574,495. 1 Claim. (Cl. 133—14.)



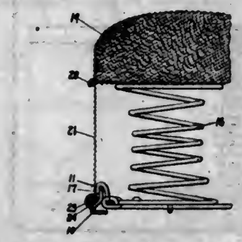
A coin receptacle of the class described, comprising a bracket, a coin receptacle provided with oppositely extending pintles, said pintles extending from the sides of said coin receptacle to pivotally support the same in the bracket, arms formed on the top edge of the coin receptacle and adapted to rest on the bracket, and a trip member at its forward end for the purpose of tilting the coin receptacle.

1,481,309. CROSSING SIGNAL. JOSEPH S. VAN BURKLEO, Detroit, Tex. Filed May 24, 1923. Serial No. 641,170. 1 Claim. (Cl. 246—206.)



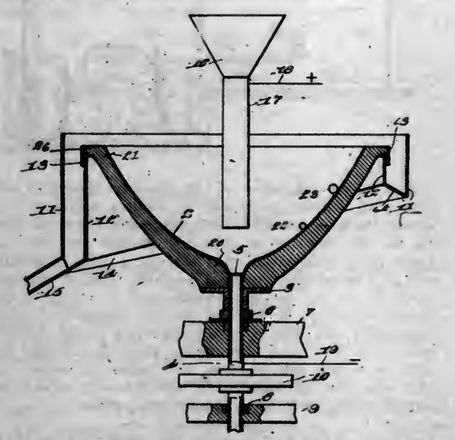
The combination with a train actuated crossing signal, of a depressible lever adapted to be engaged by a wheel flange and disposed adjacent the inner side of a rail, said lever comprising a rock shaft disposed beneath the rail, said rock shaft being rockably mounted in a bearing of the cross tie, the outer end of said rock shaft terminating in a downwardly extending arm, the inner end of the rock shaft extending upwardly and inwardly towards the inner side of the rail, a U-shaped member carried by the upper end of the upwardly and inwardly extending portion of the rock shaft and in a plane at a right angle to the rock shaft and in parallel relation to the plane of the inner side of the rail, the upper arm of the U-shaped member being curved and disposed adjacent the inner side of the rail in the path of a wheel flange.

1,481,310. SEAT CONSTRUCTION. EDMUND B. WHITCOMB, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 8, 1919. Serial No. 322,422. 8 Claims. (Cl. 155—180.)



1. In a device of the class described, a seat support, a border frame, provided with an upstanding edge, a portion of said seat support extending around parallel with said frame, and, means integral with said portion for engaging over the upstanding edge of the border frame whereby the seat support is maintained in position relative to the border frame.

1,481,311. METHOD FOR CENTRIFUGAL AMALGAMATION AND PRECIPITATION OF GOLD AND SILVER. WILBUR H. APPLETON, Spokane, Wash., assignor to Western Metals Company, Spokane, Wash., a Corporation of Washington. Filed Apr. 28, 1919, Serial No. 293,302. Renewed Dec. 17, 1923. 4 Claims. (Cl. 83—65.)

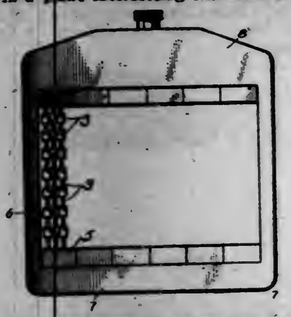


1. The herein-described method of preventing flouring of mercury for amalgamating purposes, which consists, in setting a body of mercury in motion at an upward inclination to the horizotal, and in supporting the body of mercury in correlation with application thereto of opposing forces to maintain the mercury united and spread the same in uniform thickness.

1,481,312. RADIATOR. AUGUST J. BORGMAN, Detroit, Mich. Filed Feb. 5, 1918. Serial No. 215,434. 1 Claim. (Cl. 257—129.)

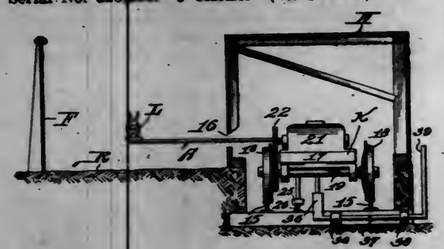
In radiator structures for motor vehicles, a plurality of units arranged in succession transversely of the radiator body, each unit including upper and lower headers connected by a plurality of independent tubes, each tube being formed of a succession of connected chambers of non-circular cross-section, adjacent chambers being disposed at right angles to one another, corresponding ends of the several tubes being of similar configuration and connected directly to the header with the ports of connection arranged in symmetrical spacing, the assemblage

of units providing a plurality of rows of tubes with each row alined in a plane intersecting the sides of the radi-



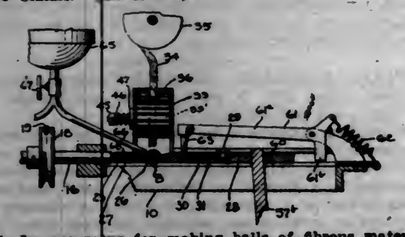
ator body, one row having its tubes laterally disposed from the tubes of the row immediately in front of it in front to rear planes of the structure.

1,481,313. ANIMAL RACING TRACK. WILLIAM C. CREVELING, Los Angeles, Calif., assignor of one-third to William W. Finn, San Diego, Calif., one-third to John O. Talbott, Denver, Colo., and one-sixth to Agnes Creveling, Los Angeles, Calif. Filed Dec. 29, 1921. Serial No. 525,538. 9 Claims. (Cl. 46—73.)



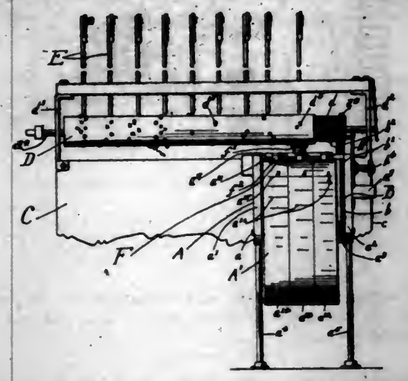
1. A racing apparatus of the character described comprising an endless race track, an endless conveyor track within the area defined by the race track, a slotted housing for the conveyor track, a car movable over the conveyor track and within the housing, a lure supporting arm, a horizontally arranged movable member pivotally mounted on the car and having said arm rigidly connected therewith, a latch on the car adapted to be engaged with said member to lock the latter in the operative position of the lure, a trip member adapted to engage said latch to release said member, and means connected with said arm and car adapted to automatically retract the lure from the track to an inoperative position.

1,481,314. APPARATUS FOR AND PROCESS OF MAKING ARTIFICIAL FRUITS. CARLO DE-FELICE, New York, N. Y., assignor to H. N. McMenimen, Scotch Plains, N. J. Filed Jan. 22, 1920. Serial No. 353,201. 25 Claims. (Cl. 41—2.)



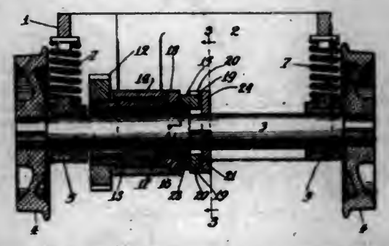
1. In apparatus for making balls of fibrous material, a rotatable spindle, a movable die having an aperture into which said spindle is adapted to project an automatic means for ejecting balls from the die aperture.

1,481,315. TIMING AND REGULATING DEVICE FOR CHIMES. WALTER EBERHARDT, Cincinnati, Ohio, assignor to The Herschede Hall Clock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 23, 1920. Serial No. 391,203. 9 Claims. (Cl. 33—180.)



1. In a device for regulating the striking mechanism of clocks having a chime, the combination with means adapted to register the periods of time between sounding of the individual bells of the chime, of means adapted to transmit the movement of the chime striking mechanism to such registering means.

1,481,316. LOCOMOTIVE. WALTER S. GRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 20, 1922. Serial No. 576,254. 1 Claim. (Cl. 105—131.)

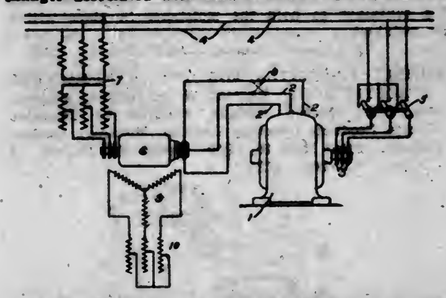


In a locomotive, a frame, a motor mounted on said frame, two laterally spaced axles, spring suspension means interposed between said axles and said frame, a pair of hollow driving members rotatably mounted on said frame and having operative connection with said motor, each of said driving members extending longitudinally about one of said axles but spaced therefrom to permit relative movement thereof in a vertical plane, and a flexible coupling device operatively connecting each of said driving members with its respective axle at the approximate center of the latter.

1,481,317. SPEED-CONTROL SYSTEM FOR INDUCTION MOTORS. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of New York. Filed Aug. 26, 1918. Serial No. 251,381. 15 Claims. (Cl. 173—274.)

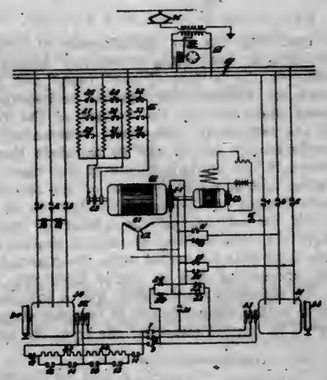
1. The combination with an induction motor, having two members which are relatively rotatable one with respect to the other, of a source of alternating current of relatively high frequency, an adjustable source of alternating current of relatively low frequency, and means for, at times, connecting one member of said motor to said high-frequency source and the other member of said motor to said low-frequency source and at other times connecting said low-frequency source to one member of said motor and closing the other member thereof upon itself.

6. The combination with an induction motor having two members which are relatively rotatable one with respect to the other and a winding on each of said members, of a source of alternating current of relatively high constant frequency, a variable-frequency frequency changer associated with said source for producing rela-



tively low frequencies, means for either close-circuiting one of said windings or connecting the same to said high-frequency source, and means for connecting the other of said windings to said frequency changer and for reversing the phase-rotation of the electromotive forces of said frequency changer.

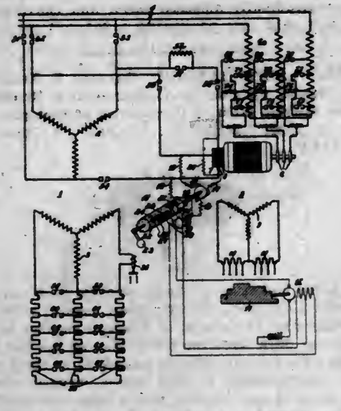
1,481,318. CONTROL SYSTEM FOR INDUCTION MOTORS. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,747. 6 Claims. (Cl. 172—274.)



1. The method of utilizing a cascade motor aggregate and a frequency changer operating from a source of constant frequency in such manner as to reduce the required size of the frequency changer, which consists in initially connecting said motors in cascade and supplying energy to one end of said cascade aggregate through said frequency changer, then supplying energy to the head of said cascade aggregate directly from said source and regenerating energy from the foot of said aggregate through said frequency changer, then supplying energy to the foot thereof through said frequency changer and then operating said motors in parallel from said source.

1,481,319. INDUCTION-MOTOR CONTROL. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 8, 1919. Serial No. 281,447. 14 Claims. (Cl. 172—274.)

11. The method of operating an induction motor at a normally high speed and at an exceptionally low speed without rheostatic losses and in conjunction with a frequency changer which consists in initially connecting the primary member of said motor to a source of energy for high-speed operation, and thereafter connecting said motor to said source, through said frequency changer, for low-speed operation, the transition from said high-speed connection to said low-speed connection being made at a predetermined ratio of voltage to frequency.



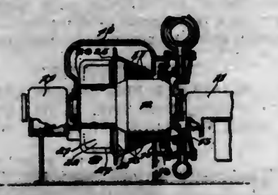
14. The method of connecting a polyphase induction motor to a supply circuit in conjunction with an impedance device, which consists in closing two leads through said impedance, then closing the third lead, and finally eliminating said impedance device.

1,481,320. MOLDING APPARATUS. LEONARD JOHNSTON, Springfield, Mass., assignor to Springfield Bronze Company, Inc., a Corporation of Massachusetts. Filed Mar. 16, 1922. Serial No. 544,309. 8 Claims. (Cl. 22—26.)



1. In combination with a molder's flask, a pressure plate movable toward the bottom of the flask to compress the sand therein and having a raised peen portion thereon shaped to displace the sand inwardly toward the sides of a pattern within the flask as the plate is moved downwardly within the flask.

1,481,321. TURBINE. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Original application filed Dec. 12, 1921, Serial No. 521,872. Divided and this application filed Apr. 23, 1923. Serial No. 634,067. 11 Claims. (Cl. 253—77.)



1. In an elastic-fluid turbine, a row of peripherally-discharging moving blades having lateral inlet edges which are substantially tangential to the direction of incoming elastic fluid.

1,481,322. GAUGE. CHARLES S. KELLUM, Detroit, Mich. Filed Dec. 3, 1919, Serial No. 342,178. Renewed June 15, 1923. 4 Claims. (Cl. 219—63.)



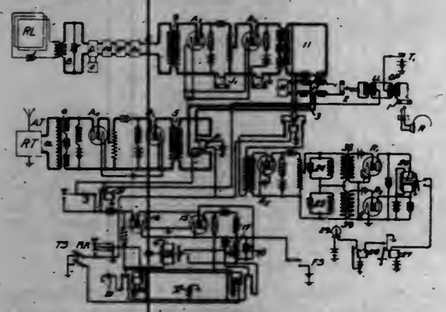
4. A resistance coil comprising a cylindrical core having a longitudinally disposed facet, and convolutions of wire about said core presenting a flat coil contact face.

1,481,323. VALVE HANDLE. CHARLES S. KELLUM, Detroit, Mich., assignor to Commonwealth Brass Corporation, Detroit, Mich., a Corporation of Michigan. Filed July 8, 1922. Serial No. 573,616. 1 Claim. (Cl. 16—117.)



Means for mounting a handle relative to a valve stem comprising a one piece metallic insert member about which the handle may be formed, said insert member having a disk portion flush with the lower face of the handle and provided with dovetail tongues embedded in the handle to prevent displacement of said insert member should it become loose in said handle, and a stem receiving socket having an integral wall exposed at the upper face of the handle and extending over said stem to receive a stem screw.

1,481,324. SIGNALING SYSTEM. FREDERICK R. LACK, Pekin, China, and PAUL B. MURPHY, Nyack, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,614. 7 Claims. (Cl. 178—66.)



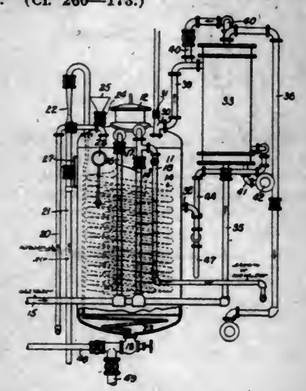
1. In a wave signaling system, a source of sustained waves of high frequency and a source of waves of lower frequency, means to control the higher frequency waves by the lower to produce modulated telegraph waves and alternative means for utilizing said source of lower frequency waves to transmit a characteristic call signal wave different from the modulated telegraph signal wave.

1,481,325. MOISTENER FOR CIGARS AND TOBACCO. HORACE LE GRIS, New York, N. Y. Filed Jan. 22, 1923. Serial No. 614,157. 1 Claim. (Cl. 131—30.)



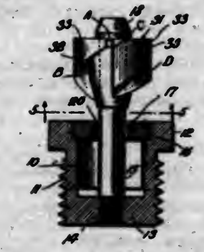
A moistener for the purpose set forth comprising a holder having a body composed of a tubular member having a closed end and an open end, a tubular member having a longitudinal slot and sliding within said first member, a perforated member within said slotted member, a body of absorbent material within said perforated member, and a spring in said body acting to force said first and said second members apart whereby said moistener may be caused to frictionally engage the walls of a container to hold the moistener in place within the container.

1,481,326. APPARATUS FOR THE MANUFACTURE OF ACETIC ACID. HOWARD W. MATHESON, Shawinigan Falls, Quebec, Canada, assignor to Canadian Electro Products Company Limited, Montreal, Quebec, Canada. Filed Mar. 15, 1919. Serial No. 282,883. 4 Claims. (Cl. 260—173.)



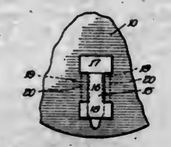
4. An apparatus for the manufacture of acetic acid from acetaldehyde comprising a reaction vessel, an air pipe leading to the bottom of said vessel and provided with means for directing air against sedimentary matter disposed upon or near the bottom of the vessel to maintain the bottom of the vessel substantially clear of such sedimentary matter and to maintain the matter in suspension in the liquid contents of the vessel, means for adjusting and gauging the flow of air through said pipe, means located in the vessel for heating or cooling the contents thereof, means for admitting heating or cooling agents to the heating or cooling means, a reflux condensing apparatus connected with the reaction vessel, means for preventing flow of liquid from the reaction vessel to the condensing apparatus, and a pressure regulating device at the discharge end of the condensing apparatus serving to control escape of gas from the system.

1,481,327. METHOD AND APPARATUS FOR DISTRIBUTING LIQUIDS. HENRY R. MERSELES, Bronxville, N. Y., assignor to Herbert E. Merseles, Bronxville, N. Y. Filed Nov. 4, 1922. Serial No. 599,138. 12 Claims. (Cl. 299—126.)



1. A method of distributing liquid, which comprises forming the liquid into a hollow stream, and forming said hollow stream into a solid cone of spray by deflecting different portions of the hollow stream outwardly from the axis of the stream through different acute angles while permitting another portion of the stream to proceed axially.

1,481,328. DISCHARGE APPLIANCE FOR CONTAINERS. ALBERT EDGAR NEELY, Chicago, Ill., assignor to W. C. Ritchie & Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1921. Serial No. 458,398. 1 Claim. (Cl. 220—41.)



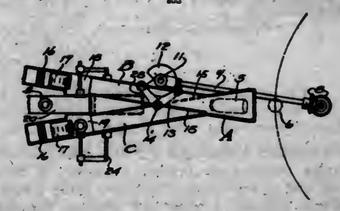
In an appliance of the character described, the combination of a container having a pouring aperture in its wall at one end through which its contents may be delivered, and a slide adapted to open and close said aperture bearing flat against the outer face of the apertured wall and having end portions overlying said outer face of the wall at the opposite margins of said aperture and having intermediate portions extended through the aperture lengthwise the latter and the slide to cooperate with the longitudinal edges of the aperture and bent in opposite directions to underlie said wall at the opposite margins of said aperture.

1,481,329. FOLDER FOR SEWING MACHINES. CARLOS RAGNVALD ROSS, Chicago, Ill., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 31, 1922. Serial No. 598,074. 14 Claims. (Cl. 112—141.)



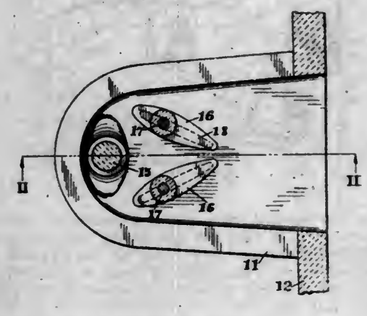
8. A folding attachment for sewing machines having a strip folding passageway, a lubricant receptacle in communication with said passageway, a lubricant absorbent material disposed in said receptacle and having a tongue projecting into said passageway, and a guide-wall opposed to said tongue.

1,481,330. CONVEYING APPARATUS. HAROLD R. SCHUTZ, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 545,939. 10 Claims. (Cl. 198—52.)



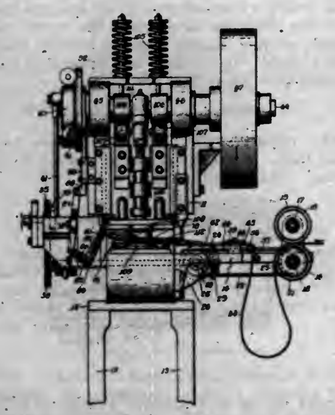
1. The combination with a conveyor, of an inclined chute down which artticles move lengthwise in spaced relation by gravity, automatic means to direct the articles alternately to different setting-up positions, means to turn the articles to upright position, and automatic means interconnected with said directing means and operating in synchronism therewith to place said articles on the conveyor.

1,481,331. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 2, 1922. Serial No. 591,752. 16 Claims. (Cl. 49—55.)



16. The combination with a furnace, of a boot or extension thereon, said boot having an outlet orifice in its floor at the forward end of the boot, a regulator projecting downward into the glass over said outlet, a pair of wing guides projecting downward into the glass between said regulator and the furnace, means to laterally adjust said wings, and means to adjust said wings up and down in the glass.

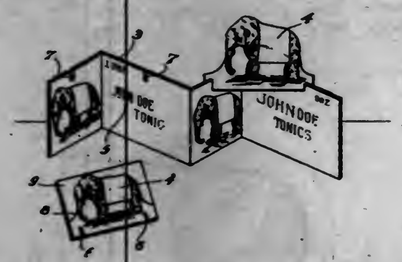
1,481,332. FEEDING DEVICE. JULIUS A. STOCK, Cicero, Ill., assignor to W. C. Ritchie and Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1922. Serial No. 570,023. 6 Claims. (Cl. 164—21.)



1. In a feeding appliance of the character described, the combination of a sliding carriage, means to reciprocate said carriage, a spring-pressed finger hinged on said carriage designed during its forward travel strokes

to engage in sequence the walls of spaced recesses previously cut in the stock strip of material to be fed and to yield during its backward strokes, whereby said finger intermittently advances said stock strip.

1,481,333. BOX LINER. CALVIN A. AGAR, West Orange, N. J. Filed June 16, 1921. Serial No. 478,038. 2 Claims. (Cl. 229—14.)



2. In combination with a box, a removable liner and pad therefor, said liner and pad having advertising matter displayed thereon and being so constructed that the several parts when removed from the box will cooperate and interlock to form an advertisement for the goods in said box.

1,481,334. CONNECTING-ROD CONSTRUCTION. ROY O. ALLEN, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 28, 1922. Serial No. 591,045. 8 Claims. (Cl. 74—17.)



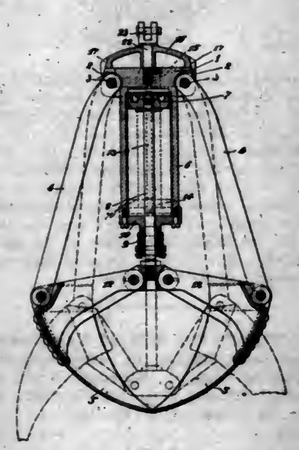
1. A connecting rod construction comprising a crank and a plurality of connecting rods, said connecting rods being adapted to be set at an angle to each other, each of said rods having a claw adapted to embrace the crank and another claw adapted to embrace the crank-embracing claw of the opposite rod, the openings between the ends of said claws permitting insertion and removal of the crank transversely past the ends of the claws.

1,481,335. ELECTRICITY METER. MARIO ANNINGER, Trieste, Italy. Filed Apr. 30, 1919. Serial No. 293,815. 1 Claim. (Cl. 171—34.)



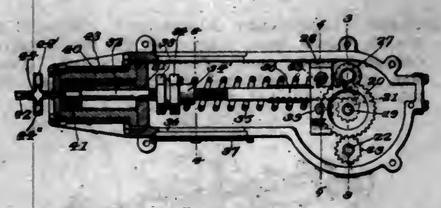
Apparatus for use in connection with an electric meter for controlling the supply of limited quantities of electric energy and comprising a spindle arranged for rotation in one direction by a key or the like manually operable instrument and provided with a disk having a tappet element, a spring to normally turn said disk to zero position, meter-actuated driving means for the spindle including a clutch to release the spindle, a bolt movable across the key end of the spindle, a circuit closer including a movable element, a spring to normally hold said element in circuit breaking position, means, operated by the said bolt, to turn said element to circuit closing position, and a detent element to hold said circuit closer element in closed position and including an arm arranged for operaton by the tappet to cause said detent element to release the circuit closing element when the said disk is in zero position.

1,481,336. BUCKET. PHILIP M. ARMSTRONG, Hackensack, N. J., assignor to The Hayward Company, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1920. Serial No. 428,109. 3 Claims. (Cl. 37—182.)



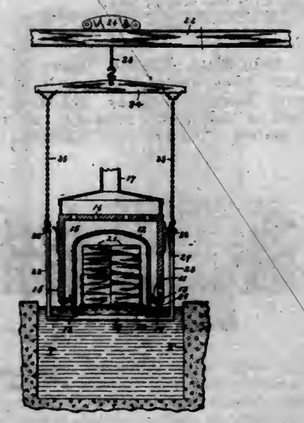
1. The combination with a dredging bucket of an operating cylinder whose upper head is common with the head of the bucket, a series of raised ears on said head, connecting-rods pivotally connected to the ears, and a removable cap fitted to the head having recesses adapted to receive the ears on the head.

1,481,337. STEAM-REGULATED EXHAUST NOZZLE. CHARLES LESLIE BAKER, St. Joseph, Mo. Filed Feb. 10, 1921. Serial No. 443,974. 3 Claims. (Cl. 162—8.)



1. An actuating mechanism for the draft control of a steam boiler furnace comprising a casing, a depending web in one end of said casing, said web being formed with a transverse groove, a rack bar slidable through said groove, a guide roller positioned above the rack bar and contacting therewith, and a rack bar retaining plate secured to the said web and spanning said groove.

1,481,338. ANNEALING FURNACE. CHAUNCEY C. BALDWIN, Perth Amboy, N. J., assignor to Standard Underground Cable Company, Perth Amboy, N. J., a Corporation of Pennsylvania. Filed Apr. 20, 1922. Serial No. 555,675. 13 Claims. (Cl. 266—4.)



1. An annealing furnace comprising a tank with cantilever retort-seat at one end and a loading-floor at the other, the said seat having an inverted retort seated thereon with an aperture below the same for inserting the load in the retort, a platform fitted to enter the bottom of the retort with its load, and a traveling crane with connections for raising and lowering the platform below the retort and for depositing the platform with its load upon the loading-floor.

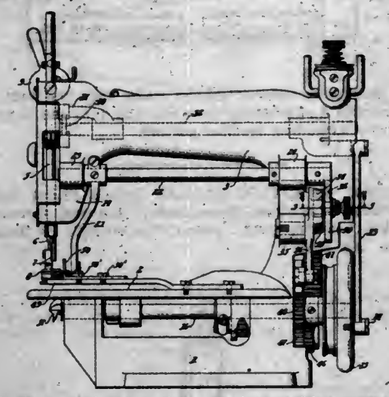
1,481,339. PACKAGE. FRANK WILLIAM BARRON, Montreal, Quebec Canada. Filed Apr. 3, 1920. Serial No. 371,107. 10 Claims. (Cl. 221—60.)



1. A collapsible container including a casing having a head-casing and a cap, and an impervious liner within said casing free to adjust itself transversally and longitudinally within said casing, and to deformations in the contour thereof.

5. A collapsible container including a tapered metallic casing having a head-casing and a cap, and an impervious liner within said casing free to adjust itself transversally and longitudinally within said casing, and to deformations in the contour thereof.

1,481,340. RUFFLING MECHANISM FOR SEWING MACHINES. RUDOLPH BECKER, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 29, 1921. Serial No. 504,095. 6 Claims. (Cl. 112—135.)



1. The combination with a sewing machine presser-foot and feed-dog, of a reciprocating ruffling blade mounted independently of said presser-foot, and a separator-blade carried by the presser-foot and underlapping said ruffling blade and the toe end of the presser-foot.

1,481,341. GREASE-GUN HOSE COUPLING. MARTIN C. BERATED, Chicago, Ill. Filed Aug. 9, 1920. Serial No. 402,280. 10 Claims. (Cl. 285—84.)



1. The combination with a hose, of a tube arranged within the end of the hose, a bushing on the hose at the end thereof, a compression sleeve on the bushing compressing the bushing and the tube between their ends to make interlocking engagement between the tube, the hose and the sleeve, and an outer shell swivelly secured on the sleeve.

1,481,342. LEAF HOLDER FOR LOOSE-LEAF BINDERS. HARRY A. BLACKWELL, St. Louis, Mo., and RICHARD M. WATSON, Detroit, Mich. Filed Jan. 31, 1923. Serial No. 616,069. 5 Claims. (Cl. 129—24.)

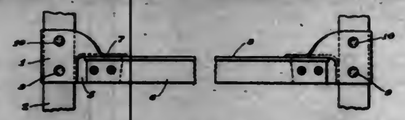


1. A leaf holder for loose leaf binders, having, in combination, a binder plate bent downwardly at its side edges to form guides, and a plurality of clasping devices slidably mounted on the binder plate and spanning the plain side thereof.

1,481,343. CARLINE BRACKET. CHARLES D. BONSALL, Parnassus, Pa., assignor to P. H. Murphy Company, Parnassus, Pa., a Corporation of Pennsylvania. Filed Sept. 19, 1921. Serial No. 501,696. 4 Claims. (Cl. 105—5.7.)

1. A metal carline bracket having a main body adapted to embrace the top of a car side plate having an integral vertical portion adapted to engage the interior of the

side plate provided with integral inwardly extending horizontal and vertical projections adapted to support and engage the horizontal and vertical members of a carline,



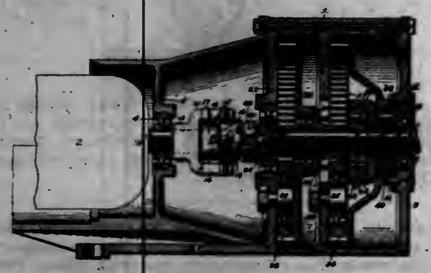
said main body being of greater width than the width of the carline and bending from one end into the integral inwardly extending vertical portion.

1,481,344. REMOVING BROKEN TOOLS FROM BORE HOLES. THEODOR BORNEMANN, Hanover, Germany. Filed June 15, 1922. Serial No. 568,572. 8 Claims. (Cl. 294—88.)



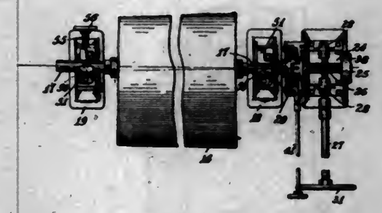
1. In an electric lifting device for use in bore-holes in combination, mechanical gripping means, an electromotor operatively associated with said gripping means, means for lowering said gripping means and said motor into a bore-hole, and a source of electric energy associated with said electromotor and suspended from said lowering means.

1,481,345. AUTOMATIC POWER-TRANSMISSION DRIVE GEAR. CHARLES P. BREESE, Dayton, Ohio. Filed Apr. 8, 1921. Serial No. 459,582. 4 Claims. (Cl. 74—7.)



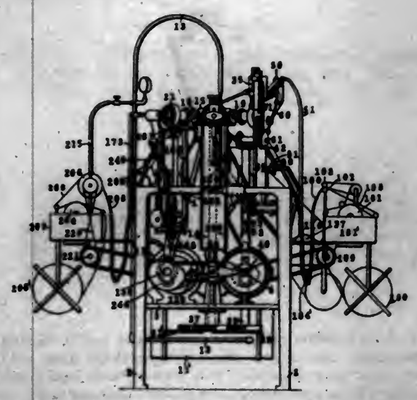
1. The combination of a starter shaft, a power shaft adapted to be driven thereby, a transmission shaft, speed-ratio changing gearing to connect the starter shaft with said power shaft, automatic releasing means to throw said gearing out of operation when the speed of the power shaft exceeds the speed of the starter shaft, clutch means operating automatically under the last named condition to connect the power shaft with the transmission shaft, a driving connection between the transmission shaft and the starter shaft and a second automatic clutch and release means to connect said gearing with the starter shaft.

1,481,346. MILL-ROLL STAND. JAMES A. CAMERON and GUSTAF BIRON BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,996. 7 Claims. (Cl. 242—58.)



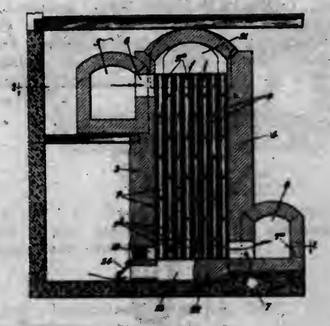
1. The combination with a machine for acting on a web of flexible material, said machine including a roll, of a mill roll stand comprising: a web roll shaft, a control shaft arranged end to end, a flexible connection between the two shafts, means for adjusting the control shaft, and thereby the web roll shaft, lengthwise of its axis to bring the web into register with the roll of the machine, and means for adjusting the web roll shaft, independently of the control shaft, obliquely with respect to its axis to bring it parallel with the roll of said machine.

1,481,347. MACHINE FOR MAKING BOXES. HAROLD CARLE, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed Jan. 8, 1921. Serial No. 435,827. 61 Claims. (Cl. 93—44.)



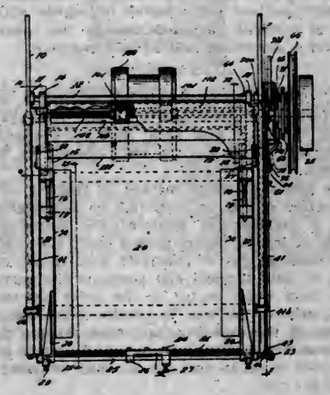
1. In an apparatus of the character described, in combination, a rotatable and translatable former having a pneumatic-gripper opening, an air-exhaust, and intervening air-conduits.

1,481,348. RECUPERATOR. WILLIAM B. CHAPMAN, New York, N. Y., assignor to Chapman-Stein Furnace Company, Mount Vernon, Ohio, a Corporation of Ohio. Filed May 8, 1922. Serial No. 559,184. 25 Claims. (Cl. 263—20.)



1. A continuous recuperator wall made up of hollow tiles providing upwardly extending passages in such wall adapted to receive gas to be heated, and members interposed between adjacent sides of adjacent tiles making up such wall interlocking to prevent lateral shifting between adjacent tiles.

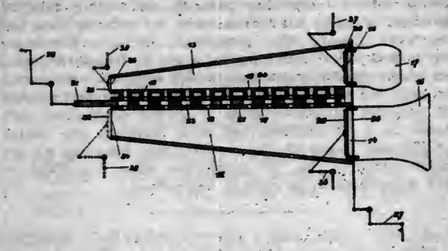
1,481,349. PAPER-FEEDING MECHANISM. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 8, 1922. Serial No. 550,801. 41 Claims. (Cl. 271—8.)



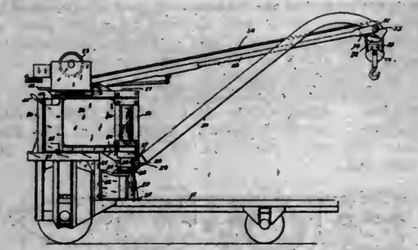
1. In a paper feeding mechanism, paper feeding rolls, means to support a stack of paper, and means whereby movement of the paper stack supporting means may initiate the action of said paper feeding rolls.

1,481,350. REED ORGAN. GEORGES CLOETENS, St. Gilles, near Brussels, Belgium. Filed May 3, 1922. Serial No. 558,053. 11 Claims. (Cl. 84—362.)

2. A reed organ comprising a resonating pipe of a substantially conical form, a plurality of beating reeds of different pitch forming a scale, an air chest in communication with said reeds, valves between said reeds and said resonating pipe, an auxiliary resonating pipe, and a plurality of openings of substantially equal section establishing the communication between the two resonating pipes, each of these openings being situated opposite a reed.

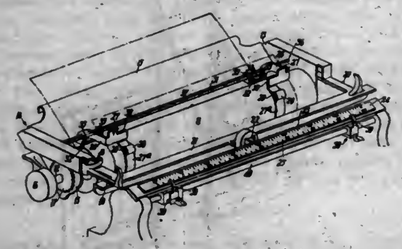


1,481,351. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio. Filed Oct. 4, 1920. Serial No. 414,537. 10 Claims. (Cl. 212—38.)



1. The combination with a wheel truck having a front frame housing for the truck propelling mechanism and a horizontal load supporting platform extending rearwardly from said housing, of a bracket mounted on the platform and abutting the rear of the housing, a vertical post carried by the bracket, a member swiveled on the post, a thrust bearing between said member and the bracket, a boom pivoted to said member near its lower end, and a frame for a battery box extending from the members in the opposite direction to the boom.

1,481,352. TYPEWRITING MACHINE. SAMUEL COLLINS, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 17, 1923. Serial No. 639,489. 3 Claims. (Cl. 197—140.)



1. In a typewriting machine, the combination with a platen, a platen-frame, and a traveling carriage, of means settable for centering work-sheets of different widths on the platen, and means including a centering-scale, for determining the initial positions of the carriage

for typing headings, or the like in centered positions on work-sheets centered on the platen, the work-sheet-centering means comprising paper-fingers having forward portions engaging the platen above the printing line and rearward laterally-offset portions to serve as side gages for a work-sheet on the platen, a rod in the platen-frame on which the side gages are slidably mounted, and a scale on said rod auxiliary to said centering-scale, and marked in opposite directions from a central graduation indicated by a "0" marking, so as to facilitate the setting of the side gages at the proper equal distances on opposite sides of the "0" graduation when the width of the work-sheet to be used is determined.

1,481,353. INHALER AND NEURALGIC PENCIL. HERMAN DANZIGER, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,557. 3 Claims. (Cl. 128—200.)

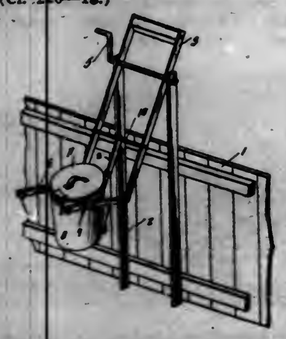


1. An inhaler and pencil of the character described, comprising a perforated tubular body portion closed at one end and provided with a bored nipple, a cap to close the opposite end of the tubular body portion and provided with a receptacle to hold medicine, a mouth piece adjustable over said nipple, and a nose piece adapted to embrace the closed end of the body portion.

1,481,354. HEADGEAR FOR RELIEVING HEADACHES. OSCAR DINGFELD, Brooklyn, N. Y. Filed Mar. 15, 1923. Serial No. 625,341. 2 Claims. (Cl. 128—163.)

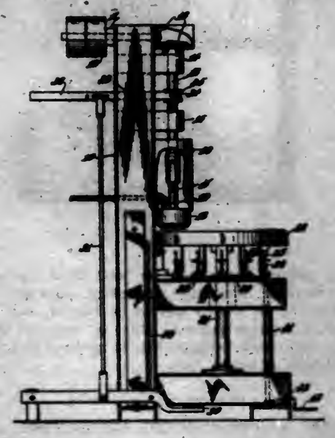
1. In a headgear for relieving headaches the combination of a band, adapted to be secured to the head of a person, a laterally stationary pressure knob, adapted to be placed opposite the middle part of the rear of the head when said band is in position, secured to said band, and a pair of laterally adjustable pressure knobs on opposite sides of said stationary knob, adjustably connected to said band, said knobs being adapted to press on three points below the rear of the head, thereby relieving headaches.

1,481,355. GARBAGE CAN. JOSEPH DOMPIER, Toledo, Ohio. Filed Aug. 2, 1922. Serial No. 579,163. 3 Claims. (Cl. 220—18.)



1. In an appliance of the character specified, a framework, a frame pivotally mounted thereon intermediate its ends and having lateral arms at one end and a counterbalance at its opposite end, slides mounted on said arms, a receptacle journaled to said slides, a bridle between the receptacle and frame, and a cover hinged to the receptacle and adapted to swing outwardly and downwardly when the receptacle is inverted to dump the contents thereof.

1,481,356. CAN-MAKING MACHINE. ROLLIN L. DRAKE, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Nov. 30, 1920. Serial No. 427,299. 7 Claims. (Cl. 113—89.)



1. A can soldering machine comprising a rotatable table, openings therein through which the members to be soldered may be hung, a rotatable solder melting member adapted to be brought into contact with the members to be soldered, and gripping members underneath said openings and adapted to engage with members to be soldered, extended through the openings, so as to exert a downward pull on said members.

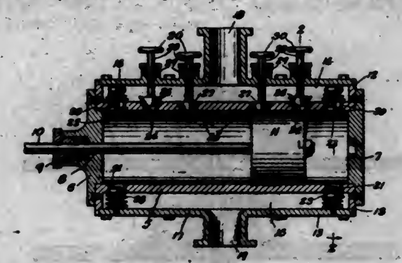
1,481,357. TREATMENT OF ORES. ARTHUR S. DWIGHT, New York, N. Y., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 29, 1922. Serial No. 557,377. 5 Claims. (Cl. 75—17.)

1. The herein described method of treating ores containing oxides of iron, it consisting in commingling with the ore a carbonaceous material and sintering it to transform it into a highly porous body, then causing a body of reducing gas of relatively high initial reducing efficiency to pass through and permeate the particles of said ore body while heated to the point necessary for reducing, causing the iron to oxidise a relatively small proportion of the said gas, and then causing the said body of gas to immediately move out of contact with the ore particles prior to the gas becoming efficient in re-oxidising the ore.

1,481,358. COMPRESSOR. JOSEPH DWYER, Montclair, N. J. Filed July 7, 1921. Serial No. 482,920. 2 Claims. (Cl. 230—27.)

1. An ammonia gas compressor comprising a tubular cylinder provided on opposite sides with outwardly directed chambers closed by plates, one of said chambers forming the intake and the other the discharge chambers of the compressor, the ends of said cylinder being closed by plates, a piston mounted in said cylinder and the rod of which passes through one of the plates of said cylinder, automatic valves mounted in the end portions of said cylinder and in communication therewith and with said intake and discharge chambers and adapted to control admission of ammonia gas into the

opposite end portions of said cylinder and the discharge of gas therefrom, and other valves spaced longitudinally of the cylinder and projecting outwardly through the



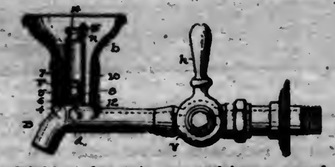
closure plate of the intake chamber thereof and adjustable in said plate to control the admission of ammonia gas into said cylinder.

1,481,359. LIQUID-DISPENSING CAN. CHARLES T. DYE, La Fayette, Ind. Filed July 8, 1922. Serial No. 573,719. 5 Claims. (Cl. 221—25.)



1. In an appliance of the character described, the combination of a can, a flexible resilient tube fastened at one end to and in communication with the interior of said can, a sleeve communicating with the interior of said can, and a nozzle on the other end of said tube designed to have a detachable telescopic connection with said sleeve, the tube being of such length that when said nozzle is telescopically associated with said sleeve the friction between said nozzle and sleeve is increased by the tendency of the tube to straighten itself out.

1,481,360. DRINKING FOUNTAIN. MYRON JOSEPH GLAUBER, Cleveland, Ohio, assignor to Morris H. Glauber, Cleveland, Ohio. Filed Aug. 6, 1919. Serial No. 315,600. 4 Claims. (Cl. 299—12.)

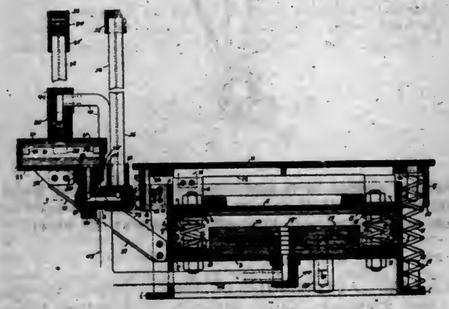


1. A drinking fountain, comprising a nozzle and a cover lying flat across the mouth of said nozzle and hinged thereon adapted to be opened solely by water pressure and to automatically close when the water pressure is shut off, said cover being provided with means to prevent the jet of water from spreading and spraying.

1,481,361. SECONDARY CHARGE FOR COMPOUND DETONATORS. BENNETT GROTTA, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 1, 1923. Serial No. 622,220. 6 Claims. (Cl. 52—3.)

1. A compound detonator of which the main charge consists of any suitable nitroaromatic compound and ground smokeless powder mixed therewith.

1,481,362. UNIVERSAL PNEUMATIC WEIGHING SCALE. DAVID GUELBAUM, Syracuse, N. Y. Filed Apr. 11, 1923. Serial No. 631,354. 7 Claims. (Cl. 265—47.)

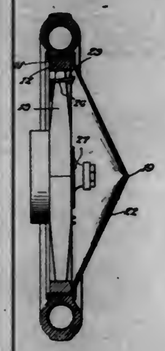


1. A universal pneumatic weighing scale, comprising a stationary cylinder with an open top and a flanged bottom with a blank bottom between and with vertical ribs outside, a movable flange with vertical ribs on top telescoping inside of said stationary cylinder and having a hole in centre closed by a cover, a corrugated flanged cylinder fastened with its bottom flange to the blank bottom inside of said stationary cylinder and with its top flange fastened to the bottom side of said movable flange and forming a closed contractible air space inside of said stationary cylinder, a movable cylinder with an open bottom and a flat top forming the weighing platform and telescoping outside of said stationary cylinder supported by the vertical ribs on top of said movable flange, means for holding said movable inner flange and outer cylinder suspended and said corrugated cylinder normally inflated, means for regulating the volume of said closed contractible air space and the drop of said weighing platform, a closed well with an air tight cover divided by a partition in two compartments one holding mercury the other oil with a nozzle on top connecting the closed air spaces within the well above these fluids with the contractible closed air space of said corrugated cylinder and provided with a bottom socket either side of the partition, means for instant communication and discommunication of said closed air spaces with the outside atmosphere, double sockets with tri-way cocks connected to the bottom sockets of said closed well and holding upright glass pipes one containing a mercury column the other an oil column and provided with a graduation plate for indicating the weights, means for automatically closing the top of said glass pipe with the oil column when weighing heavy loads, substantially as and for purpose specified.

1,481,363. ADVERTISING DEVICE FOR VEHICLE WHEELS. HAROLD G. HALL, Yonkers, N. Y. Filed Jan. 31, 1923. Serial No. 616,125. 4 Claims. (Cl. 40—129.)

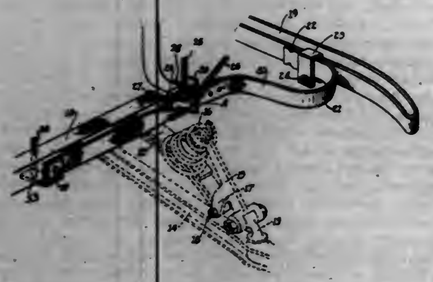
1. An advertising device for wheels, comprising a circular disk having a radial slit and provided with advertising matter on one side thereof, the edges along said

slit placed in overlapping position and rigidly secured together whereby a hollow body with an uninterrupted



conical surface is formed adapted to be secured along its base to a wheel in such a manner that the apex of the cone surface coincides with the axis of the wheel.

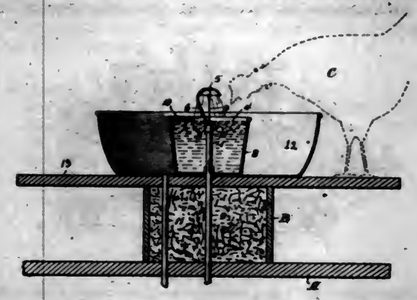
1,481,364. AUTOMOBILE BUMPER. CONRAD HANSEN, San Francisco, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 545,971. 6 Claims. (Cl. 293—55.)



1. The combination with a bumper member designed to extend across the end of an automobile, of rearwardly extending attaching arms therefor, said arms having means at their rear end for attachment to the automobile frame and having intermediate offsets forming abutments to engage the automobile frame members endwise and thereby resist impact against the bumper member, said attaching arms comprising flat steel bars lying in a vertical plane, said arms having a portion between said end attaching means and said abutment disposed at an angle to the vertical to afford clearance when in place upon the machine.

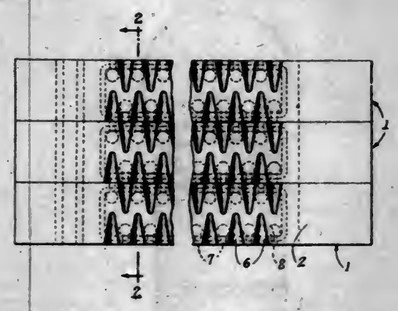
1,481,365. DRINKING DEVICE FOR POULTRY. WILLIAM HEGEL, Robbinsville, N. J. Filed Mar. 9, 1921. Serial No. 450,031. 4 Claims. (Cl. 119—74.)

1. A sanitary device for furnishing drinking water to poultry, comprising in combination, a drinking trough, a spout provided with a nozzle located within the confines of the trough just below the water level and arranged to project a stream of water upwardly thereby agitating the body of water, and a canopy spaced above



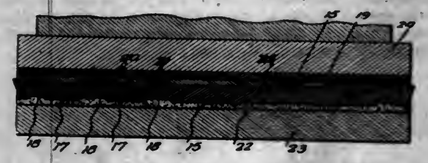
the nozzle to intercept the stream of water and cause it to be returned in sprayed condition to the drinking trough.

1,481,366. GRATE BAR TO BURN PULVERIZED COAL. FRANCISCO HERKENRATH, Santiago, Chile. Filed Nov. 1, 1921. Serial No. 512,075. 3 Claims. (Cl. 126—167.)



1. A grate bar having a plurality of vertical recesses extending into the bar from the underside thereof, a plurality of horizontal perforations extending into the bar at the sides thereof and communicating with said vertical recesses, and a plurality of recesses at the top edges of the bar between the horizontal perforations thereof.

1,481,367. METHOD OF PREPARING PRINTING PLATES. HENRY A. HEAR, Chicago, Ill. Original application filed Jan. 2, 1923, Serial No. 610,212. Divided and this application filed Mar. 17, 1923. Serial No. 625,701. 1 Claim. (Cl. 101—401.2.)



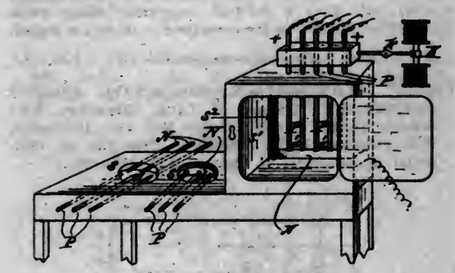
The method of treating printing plates which consists in placing against the back of the plate a matrix which has etched on both faces thereof registering facsimiles of the design appearing on the face of the printing plate and in a position that the designs on both faces of the matrix will register with the design on the face of the printing plate, and then applying pressure upon the matrix to displace predetermined portions of the printing surface of the said plate and from the back of said plate.

1,481,368. ELECTRIC-CIRCUIT-CLOSING DEVICE. WILLIAM H. HOPE, Newark, N. J., assignor to Hope Foundry and Machine Co., a Corporation of New Jersey. Filed Jan. 14, 1921. Serial No. 437,193. 2 Claims. (Cl. 173—330.)



1. In a device of the kind described, a floor plate having a plug receiving opening, a main receptacle body having a plug guiding means, contact devices associated with said plug guiding means, means for connecting said contact devices in an electric supply circuit, a barrel connected with the underside of said floor plate having an internal bore alined with said plug receiving opening of said floor plate, said barrel and its bore being angularly off-set relative to said plug receiving opening and said plug guiding means, a spherical closing member movable within the bore of said barrel, and a compression spring between the bottom of said barrel and said closing member for normally moving the latter into closing relation to said plug receiving opening when the plug is withdrawn but exerting a lateral thrust upon the plug relative to said receptacle contacts when said plug is inserted.

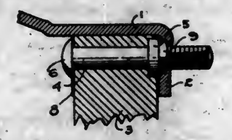
1,481,369. ELECTRICAL COOKING AND HEATING MEANS. ADOLPH C. HOTTENROTH, Freeport, N. Y. Filed Sept. 1, 1921, Serial No. 497,691. Renewed May 24, 1923. 3 Claims. (Cl. 219—35.)



1. Electric culinary apparatus of the character designated, comprising an electric arc, and means for supporting and positioning a substance to be treated in juxtaposition thereto in such manner as to expose said substance directly to the radiant heat emanating from said electric arc, substantially as set forth.

1,481,370. WHEEL CONSTRUCTION. RUSSELL HUFF, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed Sept. 4, 1920. Serial No. 408,334. 9 Claims. (Cl. 301—20.)

1. In a wheel, the combination with a metal felloe and a wooden spoke, said felloe adapted to support a tire rim, of a bolt, and means cooperating with said bolt for securing the spoke and the rim to the felloe, said se-



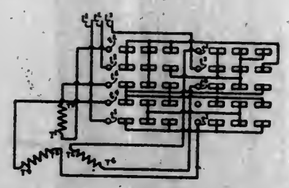
curing means so constructed and arranged that no crushing pressure is exerted on the spoke.

1,481,371. CONCEALED STITCHED COLLARET FOR UNDERGARMENTS. ROBERT R. HUGHES, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed May 29, 1919. Serial No. 300,649. 3 Claims. (Cl. 112—262.)



3. An undergarment comprising a body portion having a neck opening, a collaret strip folded about the edge portion of the garment at the neck opening thereof and forming inner and outer face portions, the edge portion of the outer face portion being turned under, two spaced needle threads lying between the turned under edge portion and the outer face portion and respectively formed into spaced rows of needle thread loops extending through said turned under edge portion, and said body portion of the garment, the edge of the inner face portion of the collaret strip being disposed between said rows of needle thread loops, and means connecting the loops of said rows of needle thread loops and covering the edge of the inner face portion of the collaret strip.

1,481,372. ELECTRICAL CONTROLLER. RICHARD B. HUNTER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 18, 1922. Serial No. 530,081. 11 Claims. (Cl. 172—179.)

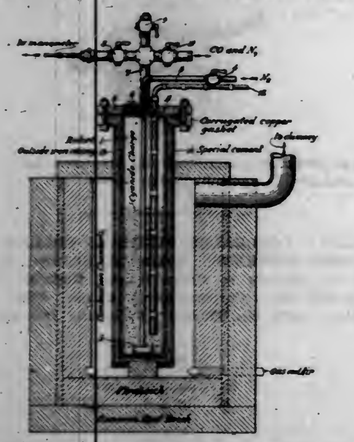


3. A rotatable drum controller for three phase motors comprising a number of fixed contacts not to exceed ten and a number of similar contacting surfaces not to exceed thirty to co-operate therewith, said contacts and said surfaces being so arranged as during each complete revolution of the drum, to effect two cycles of control, each cycle including star, delta and reverse star connections and also de-energization of the motor.

1,481,373. PROCESS OF PRODUCING ALKALI-METAL CYANIDES. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 28, 1919, Serial No. 279,801. Renewed June 15, 1923. 25 Claims. (Cl. 23—13.)

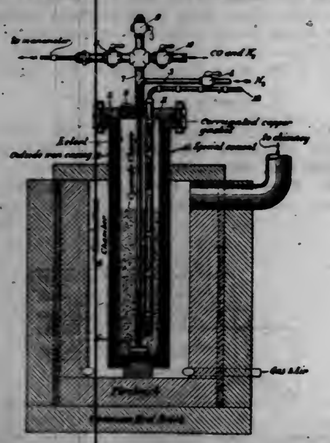
2. The process of making sodium cyanide which comprises heating in contact with nitrogen a mixture con-

taining a sodium halide, sodium carbonate, and carbon, to a temperature sufficient to effect a reaction between



the carbon, nitrogen, and the sodium carbonate to form sodium cyanide.

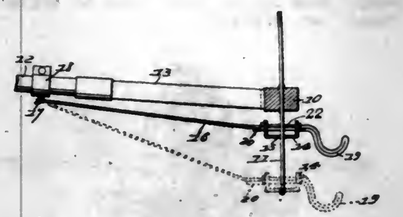
1,481,374. PROCESS FOR THE PRODUCTION OF ALKALI-METAL CYANIDES. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 28, 1919, Serial No. 279,802. Renewed June 15, 1923. 44 Claims. (Cl. 23—13.)



1. The process of making an alkali-metal cyanide, which comprises heating in contact with nitrogen a mixture containing an alkali-metal halide, a reducible compound of a carbide-forming metal, a compound of an alkali-metal other than a halide, and carbon, to a temperature sufficient to effect a reaction between the carbon, nitrogen and the second alkali-metal compound to form an alkali-metal cyanide.

1,481,375. LAWN RAKE. CLYDE M. KENT and JOHN W. ROSS, Jackson, Ohio. Filed May 24, 1921. Serial No. 472,137. 1 Claim. (Cl. 55—146.)

The combination with a rake having looped or hair-pin tines, of a channel shaped cleaner bar disposed in parallelism with the rake head and provided with openings for the reception of said tines, hanger rods having pivotal connections at their rear ends with the rake handle and extended to form runners of which each consists of a rod



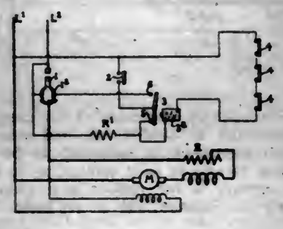
or heavy wire looped to provide parallel arms which pass slidably through eyes formed in the flanges of the cleaner bar between adjacent teeth loops.

1,481,376. TRAILER TRACTION HITCH. JOHN H. KLEIN, Denver, Colo. Filed May 18, 1922. Serial No. 561,879. 2 Claims. (Cl. 280—33.2.)



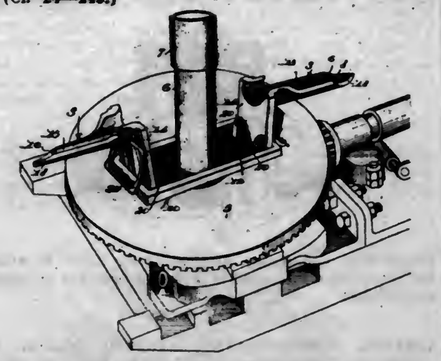
1. In combination, a tractor, a trailer, means for guiding the trailer in accordance with the movements of the tractor, and means connecting the trailer and tractor whereby the latter will pull the former, said means comprising a tension member having one end secured to the truck chassis, a bracket secured to the top of the chassis on each side thereof, a shaft connecting the upper portions of said brackets and lying substantially parallel to and vertically over the rear axle, a pulley rotatably and slidably connected to said shaft, the tension member passing over said pulley and having its other end secured to the trailer, whereby the pulling force in said tension member will have a vertical component whose value varies directly with the force required to move the trailer.

1,481,377. LOW-VOLTAGE PROTECTIVE CIRCUIT CONTROLLER. GILBERT E. LAUB, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 26, 1921. Serial No. 440,060. 6 Claims. (Cl. 175—294.)



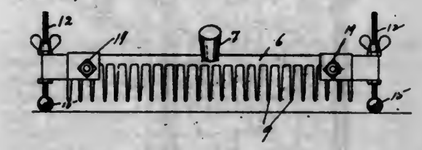
1. In a low voltage protective circuit controller in combination, an electro-responsive switch, a control switch therefor in circuit with the winding thereof, and a low voltage relay also controlling said electro-responsive switch, said relay having self controlled circuit connections rendering its setting operation dependent upon predetermined positioning of said control switch.

1,481,378. SLIP. GEORGE F. LA BUE, Electra, Tex. Filed Apr. 30, 1923. Serial No. 635,807. 8 Claims. (Cl. 24—249.)



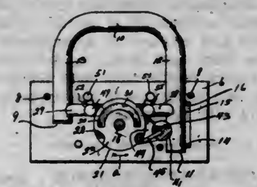
1. A slip for oil well operations comprising a holder, and L-shaped slips having base portions swingingly and detachably connected to the holder and having shoulders to engage and support a tool joint.

1,481,379. ATTACHMENT FOR RAKES. THOMAS F. LENNON, Crosby, Tex. Filed Aug. 21, 1922, Serial No. 583,166. Renewed Oct. 19, 1923. 1 Claim. (Cl. 55—10.)



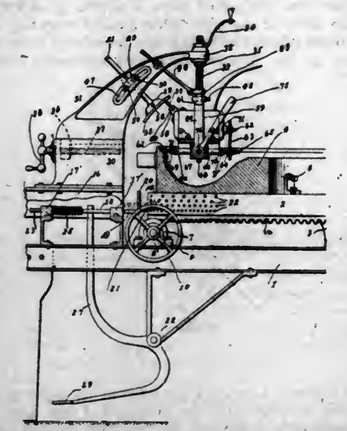
The combination with a rake of clamp members detachably secured to each end thereof, each clamp member being formed with an end sleeve forming a vertical bearing, rods fitted through said sleeves and adjustably secured therein, the lower ends of said rods being formed with round heads.

1,481,380. PERMUTATION PADLOCK. EMIL I. LINDBERG, Gackle, N. Dak. Filed Feb. 26, 1923. Serial No. 621,419. 5 Claims. (Cl. 70—113.)



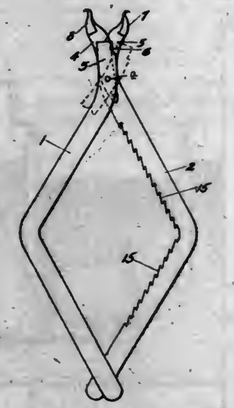
1. A permutation padlock comprising a casing having spaced vertical sockets therein open at the top of the casing, a substantially U-shaped shackle adapted to have its legs slidably moved into said sockets, a horizontal transverse rotatable locking pin operatively associated with one leg of the shackle, a horizontal slidable locking pin operatively associated with the other leg of the shackle, means to manually move said locking pins separately to locking or released position, means including a plurality of rotatable tumbler discs having a transverse horizontal axis and mounted between the legs of the shackle for retaining said locking pins in locking position and movable to positions for permitting releasing movement of the locking pins, and means to rotate said tumbler discs.

1,481,381. MOLD-FINISHING MACHINE. SAMUEL A. MCCLELLAN, Akron, Ohio. Filed Jan. 22, 1921. Serial No. 439,196. 9 Claims. (Cl. 90—13.1.)



1. The combination of a pattern plate, means for holding said pattern plate stationary, a swiveled hanger, a supporting body mounted in said hanger for rocking movement, a motor carried by said body, a tracer mounted on the motor and engaging the pattern plate, and a tool carried by the said supporting body and operatively connected with the motor.

1,481,382. PISTON-RING EXTRACTOR. GUSTAV C. MONCKMEIER, Tipton, Iowa. Filed Sept. 7, 1920. Serial No. 408,421. 2 Claims. (Cl. 29—86.4.)

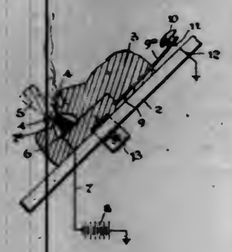


1. A device of the class described, comprising a pair of handles, pivotally united; oppositely disposed arms projected therefrom; a pair of teeth on one of said arms spaced apart from each other and adapted to engage the end of a piston ring; and three similar teeth on the other of said arms, alternating in position with said first-named teeth; the movement of said handles away from each other operating to separate said arms and teeth.

1,481,383. CIGAR LIGHTER. JOHN NELSON, Winter Park, Fla. Filed Nov. 11, 1922. Serial No. 600,456. 1 Claim. (Cl. 219—32.)

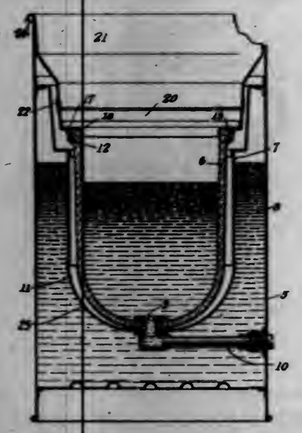
A cigar lighter comprising a base member in the shape of a face having lips spaced apart sufficiently to receive the end of a cigar, a cavity in the member below the

lips, a cone-shaped member mounted in the cavity with the apex of the cone adjacent the space between the lips, a heating element in the form of a resistance wire coiled about the cone connected with a source of electric current, the apex of the cone being located inwardly of and in protected relation with the lips, a resilient lever rigidly mounted in the base member and connected with the



heating element, said lever provided at its outer end with a contact member and an insulated finger piece, said lever forming a conductor between the contact and the heating element, and a grounded contact adjacent to the contact on the lever and adapted to be engaged by said first mentioned contact when the lever is depressd for closing the circuit and causing incandescence of the heating element on the conical member.

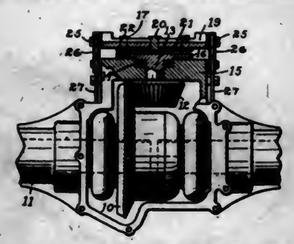
1,481,384. COFFEE URN. EDWARD NEY, New York, N. Y. Filed Aug. 1, 1923. Serial No. 654,971. 9 Claims. (Cl. 53—3.)



8. In an urn of the character disclosed, a jar, an annular extension permanently secured in sealing engagement with the mouth of the jar and an annular casing member having an adjustable engagement with said permanently secured jar member.

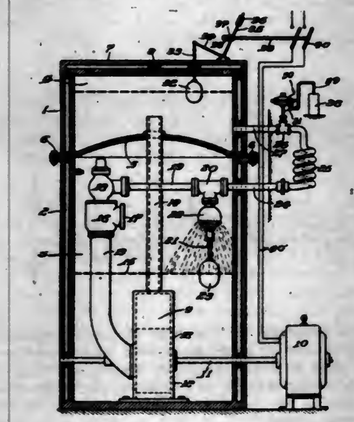
1,481,385. AUTOMOBILE BRAKE. NILS NILSON and FREDERICK W. NILSON, Worcester, Mass. Filed Sept. 21, 1922. Serial No. 589,660. 4 Claims. (Cl. 188—18.)

1. In a brake for an automobile, the combination with a circular flat disc positively connected with the driving mechanism to rotate whenever the car is moving, of a circular disc of the same size and shape normally supported a slight distance from it and freely rotatable on its axis, a reciprocable non-rotatable plate beyond the



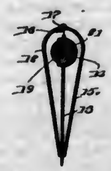
second disc, and means for moving the plate to bring the second disc into contact with the first disc to apply the friction.

1,481,386. REFRIGERATING SYSTEM. MILLARD P. OSBOURN, Philadelphia, Pa. Filed Aug. 13, 1920. Serial No. 403,331. 6 Claims. (Cl. 62—152.)



1. In a refrigerating system, the combination of a closed chamber containing a refrigerant in the lower portion thereof, a pump submerged in said refrigerant for commingling said refrigerant with the vapors in said chamber above said refrigerant and for continuously expelling said commingled refrigerant and vapor from said closed chamber to produce a partial vacuum in said chamber above said refrigerant, a receptacle into which the discharge from said pump is delivered and from which said vapors escape from said refrigerant, and a conduit from said receptacle to the space in said closed chamber above said refrigerant.

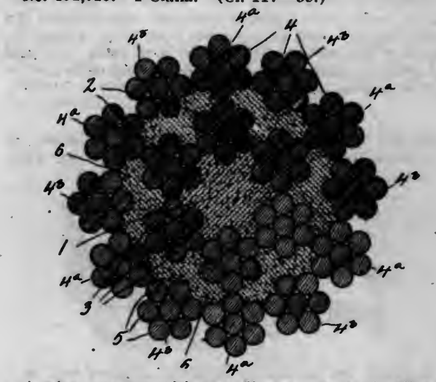
1,481,387. POWER-DRIVEN RAZOR. BARTOLO PARATORE, Johnstown, Pa. Filed Feb. 2, 1923. Serial No. 616,550. 2 Claims. (Cl. 30—12.)



1. A power driven safety razor comprising an elongated handle having one end prolonged and formed to define a casing section, a removable cover engaged against

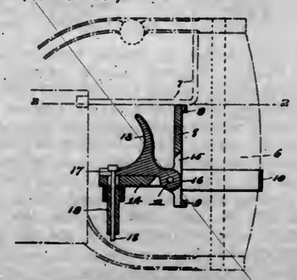
and mating with said prolongation to complete the casing, a shaft journaled longitudinally through the handle and casing and formed at one end portion with an elongated cam, and a blade movable transversely of said casing and formed with opposite offset portions, certain offset portions guiding the blade with respect to the shaft and the other offset portion bearing conformingly upon the cam, the blade projecting through a slot between said prolongation and the cover.

1,481,388. WIRE ROPE. EDWARD HAROLD PARKER, Belleville, N. J., assignor of one-half to Clarence H. Mathews, Cleveland, Ohio. Filed Aug. 12. 1921. Serial No. 491,719. 1 Claim. (Cl. 117—59.)



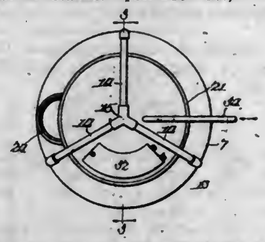
A wire rope comprising: a fibrous core, a plurality of inner strands laid around said core, each strand being composed of a plurality of wires twisted together, a plurality of outer strands, in number twice that of the inner strands, and each outer strand being composed of a plurality of wires twisted together, the diameter of the inner and outer strands and the number and diameter of the wires of both the inner and outer strands being the same and said outer strands being laid around the inner strands with one set of alternate outer strands radial to and in contact with the inner strands, to thereby transmit the thrust of said set of alternate outer strands to the core, and a circumferentially discontinuous intermediate core between the inner and outer strands to receive the thrust of the other alternate set of outer strands.

1,481,389. TRIGGER MECHANISM FOR DUPLEX FLEXIBLE GUNS. CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,334. 2 Claims. (Cl. 89—27.)



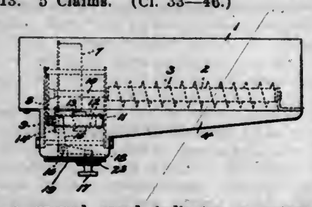
1. In combination with the spade grip of a flexibly mounted gun, an auxiliary trigger mechanism for firing another gun, said mechanism embodying a mounting plate, a quickly detachable clamp to secure said plate to the spade grip, a trigger mounted on said plate, and a flexible connection leading from said trigger to the trigger of the other gun.

1,481,390. ELECTRIC DECORTICATOR. ARTHUR A. PIEPJOHN, Chicago, Ill. Filed July 27, 1923. Serial No. 654,155. 7 Claims. (Cl. 146—50.)



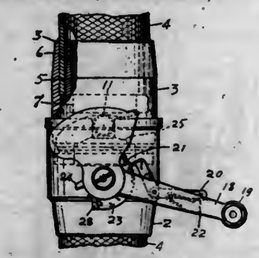
1. In a device of the class described, the combination with a vibratory member supported for free movement in any direction, of a shaft connected to said member for independent rotation and extended therefrom, an overbalance or weight carried by said shaft, an electric motor mounted near said member with its shaft disposed axially with respect to the point of support of said member, and a flexible connection uniting said shafts.

1,481,391. GROUND-SPEED INDICATOR. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,413. 5 Claims. (Cl. 33—46.)



1. In a ground speed indicator, a rotary threaded shaft, a housing therefor having an observation orifice through which the movement of the threads of said shaft is visible, a motor for driving said shaft, means for regulating the speed of said shaft in synchronism with a fixed object on the ground, and means controlled by said regulating means to indicate the ground speed in miles per hour.

1,481,302. HOSE COUPLING. RALPH SCHAWROW, Bayonne, N. J. Filed Dec. 21, 1920. Serial No. 432,315. 3 Claims. (Cl. 285—172.)

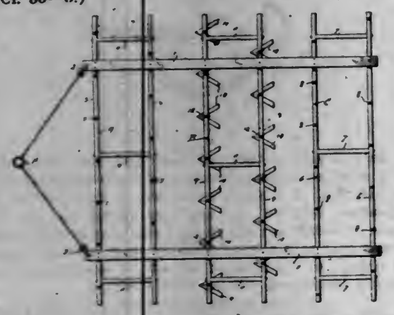


1. A hose coupling comprising male and female members, levers pivoted at opposite sides of the female member, lugs integral with the male member, cam surfaces upon one of the arms of the levers and arranged to engage with the lugs of the male member, an undulation at the exposed end of one of the said surfaces for the purpose of lifting the male member subsequent to the movement of the cam for releasing the said members.

2. A hose coupling comprising male and female members, levers pivoted at opposite sides of the female member, upper and lower cam surfaces disposed upon the levers, lugs disposed at opposite sides of the male mem-

ber and arranged to engage with the cam surfaces and means comprising a pawl and a toothed segment whereby the said cam surfaces may be retained in a given relation with the said lugs.

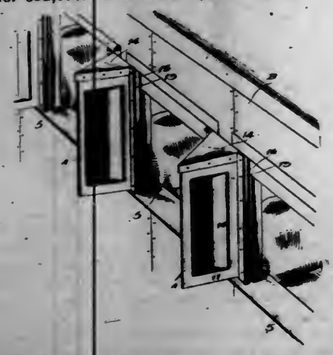
1,481,393. HARROW. JOHN J. SCHRAG, Harvey, Kans. Filed Apr. 14, 1923. Serial No. 632,072. 4 Claims. (Cl. 55—3.)



1. A harrow comprising parallel beams, draft means associated therewith, a harrow section supported by said beams and extending transversely thereof, shanks depending from said harrow section, substantially horizontally disposed hoes carried by the lower end portions of the shanks, a second harrow section positioned in advance of the first section, and a third harrow section positioned rearwardly of the first section, harrow teeth depending from said second and third named sections, each tooth of the second named section being positioned directly in advance of a hoe of the first section.

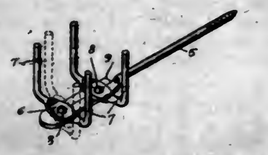
3. A harrow comprising parallel beams, draft means associated therewith, a harrow section supported by said beams and extending transversely thereof, shanks depending from said harrow section, substantially horizontally disposed hoes carried by the lower end portions of the shanks, a second harrow section positioned in advance of the first section, and a third harrow section positioned rearwardly of the first section, harrow teeth depending from said second and third named sections, each tooth of the second named section being positioned directly in advance of a hoe of the first section, said shanks being arranged in two rows, the shanks of one row being staggered with respect to the shanks of the second row.

1,481,394. RAILROAD-CAR ATTACHMENT. EARNEST J. SIMPSON, Gastonia, N. C. Filed Apr. 12, 1923. Serial No. 631,690. 4 Claims. (Cl. 98—21.)



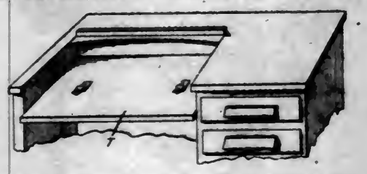
3. A railroad car attachment comprising a casing of substantial triangular shape in plan embodying a pair of diverging side walls, attaching means carried by the side walls and the wings struck in from said side walls.

1,481,395. BRACKET. THOMAS FRANCIS TAYLOR, Wallingford, Conn., assignor, by mesne assignments, to H. L. Judd Company Inc., Dover, Del., a Corporation of Delaware. Filed Jan. 24, 1922. Serial No. 531,428. 1 Claim. (Cl. 156—22.)



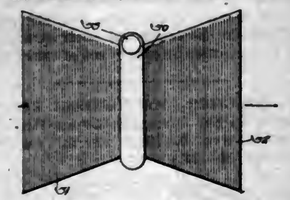
A bracket comprising a main supporting bar, a horizontal cross bar pivotally mounted intermediate its length thereon, and an upwardly projecting curtain rod engaging member at each end of said cross bar, said engaging members being in a plane transverse to the said supporting bar.

1,481,396. TYPEWRITER FASTENER. FRANK B. TERNES, San Francisco, Calif. Filed Nov. 14, 1921. Serial No. 514,970. 1 Claim. (Cl. 45—52.)



A device for detachably securing a typewriter to a support, comprising a headed stud adapted to be secured to the typewriter frame, a base plate, means for fixing the base plate to the support, a pair of spring arms on said base plate for resiliently engaging the head of said stud on opposite sides and a spring arm on said base plate for resiliently engaging the end of the head of said stud.

1,481,397. CHAIN TURBINE. ARMIN TETÉTLENI, Budapest, Hungary. Filed Sept. 30, 1921. Serial No. 504,459. 10 Claims. (Cl. 170—88.)



4. In a chain-turbine, an endless chain supported for movement in two reversely-moving parallel sections, spaced turbine-blades carried by said chain and forming two parallel rows, and casing plates disposed over the upper and lower edges of said blades, the upper and lower surfaces of the casing plates limiting the blades converging toward the interior of the chain-turbine, in such manner that the ratio of their broadest and smallest interspace is the same as the largest blade interspace to the smallest, in order that the first row of blades shall function as a reaction turbine and the other row as an action turbine.

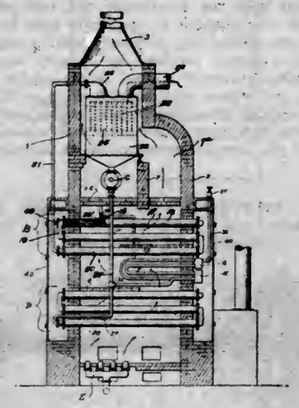
1,481,398. NAIL FOR WIRE LATH. THEODORE R. VINCENT, Oakland, Calif. Filed Aug. 1, 1922. Serial No. 578,914. 2 Claims. (Cl. 72—120.)

1. A fastener for wire lath comprising a nail having its shank formed with a helical convolution to cause the nail to turn when being driven into a wall, and a loop forming the head of the nail, said loop terminating with a projecting portion inclined downwardly and



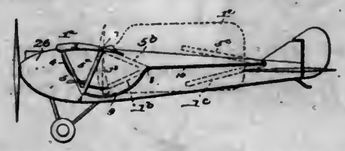
spaced laterally from the shank and adapted to be moved beneath a strand of wire to guide the same within the loop while the nail is being driven.

1,481,399. METHOD OF AND APPARATUS FOR TREATING CARBONACEOUS MATERIAL. LOUIS P. WEBERT, Annapolis, Md. Filed Feb. 18, 1920. Serial No. 359,527. 7 Claims. (Cl. 48—210.)



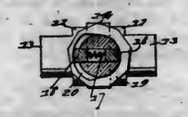
1. The method of treating comminuted carbonaceous material for destructive distillation thereof, consisting in passing such comminuted material in a carrying medium of superheated steam through a plurality of series of retorts containing spiral cores carrying a catalytic agent, each series of retorts being heated to a different temperature to affect changes in the gaseous medium surrounding such comminuted material.

1,481,400. FOLDING-WING MONOPLANE. LOWELL C. WEINBERG, Dayton, Ohio. Filed Nov. 17, 1921. Serial No. 515,792. 5 Claims. (Cl. 244—12.)



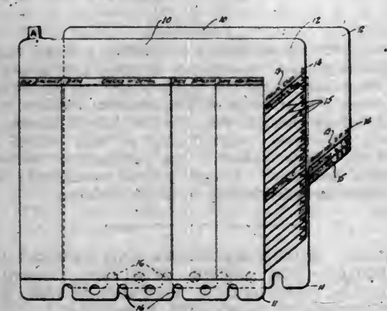
1. In an aircraft, hinged connections between the center section and the wings of said aircraft, said connections being adapted to enable the wings to be rotated from a substantially horizontal flying position to a vertical position and subsequently laterally swung rearwardly parallel with the fuselage of said aircraft to a folded position, sliding members on the inner end of the front spar of each of said wings, arcuate channeled guideways in said fuselage along which said sliding members are movable, and means operable by the pilot in the fuselage for shifting said wings from their normal operative position to their folded position and vice versa.

1,481,401. RAILROAD-TRACK WRENCH. LESTER M. WENTLING, Foxburg, Pa., assignor of one-half to Charles Goughler, Foxburg, Pa. Filed Sept. 19, 1922. Serial No. 589,285. 1 Claim. (Cl. 81—62.)



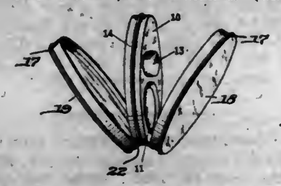
A wrench having its shank provided with a terminal yoke of which the arms are provided with registering bearings, a rotary head having oppositely directed barrels rotatably mounted in said bearings and provided in the space between the arms of the yoke with a ratchet ring, a double pawl mounted upon the shank and having jaws for respectively engaging the teeth of the ratchet ring for causing a step by step movement thereof in opposite directions, the said barrels being provided with terminal wrench seats, and means for selectively locking the jaws of said pawl in an inoperative position, said means consisting of a ring rotatably and longitudinally movable upon the shank and provided with an inwardly directed web for engagement with either one of the members of the pawl.

1,481,402. INDEX LEDGER OR BALANCE SHEETS. LEONARD P. WETZEL and ARTHUR F. SELIGMAN, Troy, Ill. Filed Feb. 20, 1922. Serial No. 537,933. 1 Claim. (Cl. 129—16.7.)



A series of balance or ledger sheets for use with bookkeeping machines, each sheet having a relatively wide laterally projecting index tab, the lower edge of each tab being sharply inclined laterally and toward the top of the sheet, the tab of any one sheet being longer than the tab of the next preceding sheet and underlying the tab of such preceding sheet throughout the length thereof, the upper edge of the tab being coincident with the upper edge of the sheet.

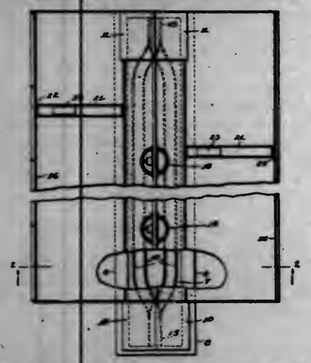
1,481,403. CONTAINER. RALPH W. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Aug. 12, 1922. Serial No. 581,335. 2 Claims. (Cl. 132—83.)



1. A vanity box comprising a container formed of a plate with an annular flange surrounding same, and two recesses in the plate on the side opposite the annular flange, and an annular protruding portion on the said

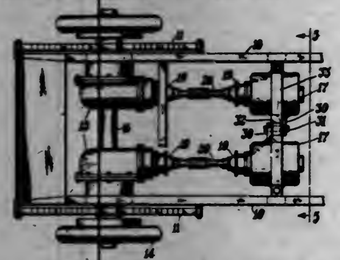
flange; a pair of covers hinged in spaced relation to each other and provided with flanges to telescope the wall formed by the flange on the container; a mirror on each of said covers; a quantity of powder in the container on the side opposite the recesses, a quantity of rouge in one of the recesses and a lip stick in the other recess; a pad intermediate each of the mirors and its respective rouge and powder compacts.

1,481,404. DOCK PIER CONSTRUCTION. GEORGE WRIGHT, East Orange, N. J. Filed Nov. 20, 1919. Serial No. 339,270. 2 Claims. (Cl. 214—16.)



1. A structure comprising a building, a tunnel extending longitudinally beneath the building, and having one end extending beyond the building and having its inner and outer ends provided with hatchways, conveyor means for receiving material through the outer hatchway and moving the same longitudinally in said tunnel, and overhead carrier means in the building for extracting material from said conveyor means through the inner hatchway and distributing it in the building.

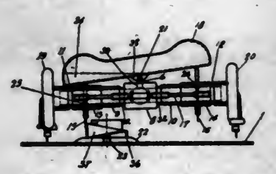
1,481,405. MOTOR MOUNTING AND DRIVING CONNECTION FOR MOTOR VEHICLES. JOSEPH A. ANGLADA, Jenkintown, Pa. Filed Mar. 16, 1922. Serial No. 544,350. 7 Claims. (Cl. 180—57.)



1. In a motor vehicle, a frame, a pair of drive wheels and wheel axles, and a pair of motors, flexibly connected to drive the wheel axles, each motor having its casing pivoted to the frame at one side of the casing and resiliently supported at its opposite side.

1,481,406. CONTINUOUS PLAYER FOR TALKING MACHINES. ADRIAN CLIFFORD BALSON, Philadelphia, Pa. Filed June 19, 1922. Serial No. 569,303. 18 Claims. (Cl. 274—15.)

1. In a continuous player device for a talking machine the combination of a disc record for a talking machine, a spiral governor placed in the center of the record, a bevelled surface on the spiral governor coming down flush with the record and merging into a cam, and provided with a guiding groove graduated to correspond with the lines on the face of a talking machine record, a tone arm of a talking machine, a tube pivoted at right angles to the tone arm of the talking machine horizontally above the record, an adjustment rod with two right hand and two left hand threads thereon, an oscillating mercury weight tube, two sound boxes



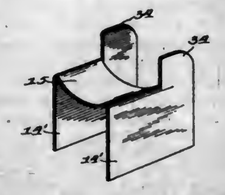
with needles, two sound box sleeves with lugs adapted to co-operate with the adjustment rod, two trigger pin sleeves with lugs adapted to co-operate with the adjustment rod, two alternating, vertically moving trigger pins adapted to co-operate between the mercury weight tube and the spiral governor, a steel spring seated on each trigger pin, two wheels with knurled edges on the adjustment rod, adapted to co-operate with the adjustment rod and with the lugs on the two sound box sleeves and on the trigger pin sleeves, substantially as described.

1,481,407. FILTERING DEVICE. ARCHIE E. BASS, Birmingham, Ala. Filed Feb. 3, 1922. Serial No. 533,967. 8 Claims. (Cl. 210—168.)



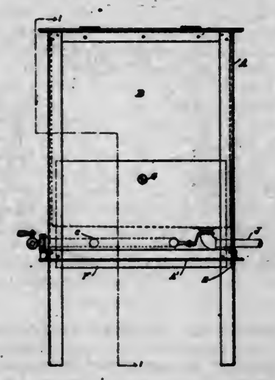
1. In a straining device for fluids, the combination with a conduit therefor, of a casing rotatably mounted on said conduit, independent straining or filtering means positioned within said casing, inlet and outlet ports to and from said filtering means carried by said casing, corresponding ports formed in that part of the conduit surrounded by said casing, said ports being located so that the necessary communication from said conduit through both filtering means, and back into the conduit, will be established only when said casing is in its horizontal position, and communication established through one of said filters only when the casing is in its vertical position.

1,481,408. METHOD OF MAKING PARTS OF BOILERS. ROBERT W. BIRCHFIELD, Tacoma, Wash. Filed Sept. 16, 1921. Serial No. 501,068. 8 Claims. (Cl. 29—157.4.)



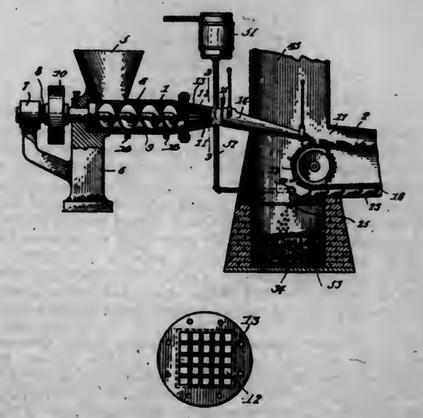
1. The method of manufacturing a combined crown and side sheet for a boiler which consists in providing a suitable blank, cutting the blank inwardly at one end at the transverse center line for a portion only of the length of the blank, transversely cutting the blank at the inner end of the first-mentioned cut and ending at points between the sides of the blank, and bending the uncut residue of the blank to bring the sides into parallelism to form the side sheets and the intermediate portion to form the crown sheet.

1,481,409. WASHING-MACHINE HEATER. JULIEN A. BRIED, Oakland, Calif., assignor of one-half to Samuel L. Rogers, San Francisco, Calif. Filed Sept. 19, 1921. Serial No. 501,850. 5 Claims. (Cl. 126—350.)



1. In a washing machine comprising a wash tank supported on a rectangular frame, a heating burner arranged under said tank, and heat guards arranged on three sides only of said frame with the fourth side left unguarded.

1,481,410. MACHINE FOR DRYING PEAT. JOSEPH ROCH BRIEN, Montreal, Quebec, Canada, assignor of one-half to Lydia Plamondon, née Hardy, Montreal, Canada. Filed Sept. 29, 1922. Serial No. 591,394. 4 Claims. (Cl. 44—28.)



1. In a machine for drying peat, a conveyor, a water heater disposed beneath said conveyor, a steam chest communicating with said heater, an air passage at the lower portion of said heater, and a steam supply pipe extending from the steam chest to the air pipe.

1,481,411. FUEL-CHARGE-TREATING DEVICE. VIOLA ROOT CAMERON, New York, N. Y. Filed Oct. 12, 1922. Serial No. 594,216. 4 Claims. (Cl. 48—180.)



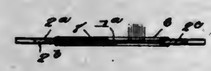
1. In a device of the character described, a plate member having an opening therethrough, a coiled spring cone having the base thereof positioned in said opening and freely vibratile from the base to and including the apex of the cone, and fastening means supported by said plate member and engaging the base portion of said cone on the side thereof opposite to the encircling wall of said opening and holding said cone in axial alignment with said opening.

1,481,412. FUEL-CHARGE-TREATING DEVICE. VIOLA ROOT CAMERON, New York, N. Y. Original application filed Oct. 12, 1922, Serial No. 594,216. Divided and this application filed Nov. 16, 1922. Serial No. 601,282. 5 Claims. (Cl. 48—180.)



5. In a device of the character described, a gasket comprising opposite outer metal faces and an intermediate material therebetween and having an opening through the thickness of the gasket, a coiled spring having the largest coil thereof fitted concentric with the wall of said opening, and a plurality of eyelets each formed as an extension of one gasket face, each eyelet extending centrally, thence axially of said largest coil and thence recurved toward said opposite gasket face, said largest coil being threaded through said plurality of eyelets, and said spring being freely vibratile from the largest coil thereof to and including the opposite end of said spring.

1,481,413. FUEL-CHARGE-TREATING DEVICE. VIOLA ROOT CAMERON, New York, N. Y. Original application filed Oct. 12, 1922, Serial No. 594,216. Divided and this application filed Nov. 16, 1922. Serial No. 601,283. 4 Claims. (Cl. 48—180.)

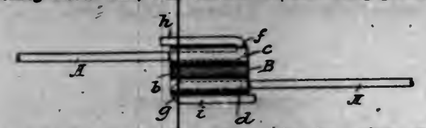


1. In a device of the character described, a gasket comprising opposite outer metal faces and an intermediate material therebetween and having an opening through the thickness of the gasket, said intermediate material being spaced back away from the side walls of said opening and providing an annular space between said outer metal faces, and a coiled spring having one coil thereof fitted in and held in said annular space between said opposite faces, said spring being freely vibratile from the supported portion thereof next adjacent the wall of said opening to and including the opposite end of said spring.

1,481,414. BINDER CONNECTION. SPENCER C. CARY, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 9, 1919. Serial No. 343,554. 9 Claims. (Cl. 24—23.)

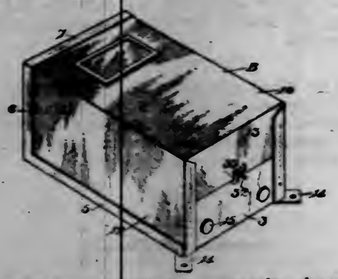
7. As a new article, a non-compressible binder seal composed of a single piece of metal bent to form a flat web and doubled to produce a plurality of tubular mem-

bers the openings in which are separated by an intervening metal wall, said tubular members being parallel



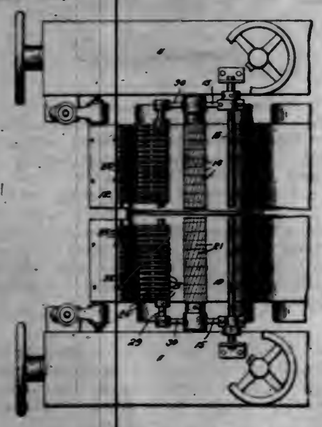
to each other and said members being in a plane substantially parallel to the flat web.

1,481,415. METER BOX. ALBERT CASPER, Vallejo, Calif. Filed Sept. 13, 1921. Serial No. 500,470. 3 Claims. (Cl. 220—4.)



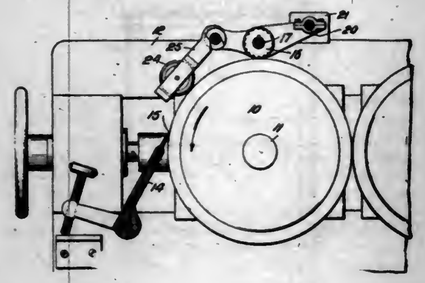
1. A meter box comprising a rectangular shaped box vertically divided to form separable front and rear sections, said front section comprising a front plate, integral side plates and a bottom flange, said rear section comprising a rear plate, a bottom plat and a cover plate, downwardly extending flanges on the front and sides of the cover plate adapted to overlap the front and side plates of the front section, two pairs of interspaced flanges on the rear plate forming channels for the reception of the front edges of the side plates of the front section, and means for locking the front section against vertical movement with relation to the rear section.

1,481,416. METHOD OF AND APPARATUS FOR CUTTING SOAP AND THE LIKE. JAMES R. COVE, Arlington Heights, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a Corporation of Maine. Filed Oct. 30, 1922. Serial No. 597,711. 7 Claims. (Cl. 146—78.)



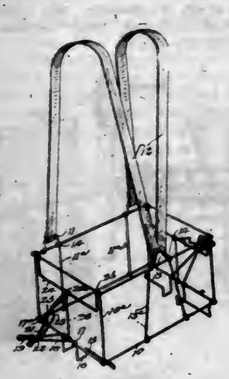
1. The method of producing flaked material which consists in feeding a relatively thin sheet of the material to be flaked in one direction, cutting said sheet in a transverse direction to the line of feed, said cutting operation terminating short of complete penetration, then cutting said sheet in a direction substantially parallel to the line of feed, said second named cutting operation terminating short of complete penetration, and finally separating the sheet into flakes along the line of the cuts.

1,481,417. APPARATUS FOR PRODUCING CURLED FLAKED SOAP. JAMES R. COVE, Arlington Heights, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a Corporation of Maine. Filed Feb. 5, 1923. Serial No. 616,899. 3 Claims. (Cl. 146—78.)



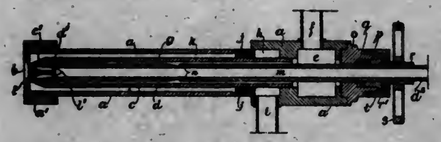
1. An apparatus for producing curled soap flakes comprising a roll over which a sheet of soap is adapted to travel, means for making transverse and longitudinal cuts in the sheet of soap and a scraper for removing the cut flakes from the roll, the roll contacting end of said scraper being concaved to cause the soap flakes to curl or roll up.

1,481,418. SLING FOR CONTAINERS. ALONZO EVERETT DARBY, Lakeside, Wash. Filed Apr. 26, 1922. Serial No. 556,757. 3 Claims. (Cl. 224—5.)



1. A sling for containers including a body, elements swingingly mounted on the body at the bottom for movement beneath a container or laterally outward from the engaging position, a lever to actuate said retaining elements, and a link pivoted at its upper end on the body and having sliding and rocking engagement with said lever, said lever at its upper end and said link at the upper and lower ends of the slot having co-engaging members to automatically hold the lever in position with said engaging elements in either the inner or the outer position.

1,481,419. OIL-FUEL BURNER FOR USE IN FURNACES, BOILERS, AND THE LIKE. JOHN DAVIES, Darlington, England, assignor to The Davies Fuel Burners Limited, Stockton-on-Tees, Durham, England. Filed May 11, 1922. Serial No. 559,995. 2 Claims. (Cl. 158—74.)



1. Improved oil fuel burner for furnaces of various kinds utilising liquid fuel comprising a medial tubular casing with a nozzle projecting an annular jet of fuel, an inner tubular casing concentric thereto, a passage between said medial tubular casing and said inner tubular casing, an outer tubular casing concentric with the before-mentioned medial tubular casing and a passage between said outer tubular casing and said medial tubular casing and means for supplying compressed air to a passage between the said inner tubular casing and said medial tubular casing and means for ensuring that the air, steam in the passage betwen the medial tubular casing and the inner tubular casing issues at the nozzle in an annular jet at an angle inclined from the axis of the said tubular casing to meet the outer jet of air at an obtuse angle.

1,481,420. DECORATIVE ART. MARY BRENDA FRANCKLIN, Redwood City, Calif. Filed Mar. 30, 1921. Serial No. 456,948. 2 Claims. (Cl. 41—17.)



1. The herein described process of manufacturing decorative window screens having transparent and semi-transparent areas which consist in coating a coarse wire screen to protect the screen against rust without filling the interstices thereof and applying a semi-transparent masking agent consisting of a filler of glue and plaster Paris to predetermined areas of the screen to fill the interstices of said areas, painting the masked areas with semi-transparent oil colors to decorate the same and to render the masking agent water and damp proof, while preserving the semi-transparent character of the painted areas and then shellacing both sides of the screen without filling the interstices of the open portion of the screen.

1,481,421. AUTOMATIC CONTROLLING MECHANISM FOR FLOUR-PACKING MACHINES. HENRY O'B. HARDING, Minneapolis, Minn., assignor to Washburn-Crosby Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 1, 1920. Serial No. 385,567. 7 Claims. (Cl. 226—25.)

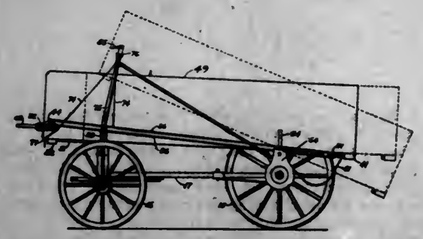
1. In a machine of the class described, the combination with means for feeding the material to be packed, of a support for the bag to be filled, driving means for said feeding means, a shifting lever operatively connected to said driving means and with which said bag support contacts to initiate movement of the feeding means, means for engaging said shifting lever for locking the driving means in driving relation to the feeding means, and means for releasing said engaging means when the bag has been filled and to release said driving means from driving relation with said feeding means.



1,481,422. ELECTRIC DISCHARGE TUBE. GILLES HOLST, EKKO OOSTERHUIS, and JOHANNES BRUINES, Eindhoven, Netherlands, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed June 1, 1922. Serial No. 565,230. 2 Claims. (Cl. 250—27.)

1. A gas-filled electric discharge tube with independent discharge in which the gas-filling consists of a principal volume of one rare gas and an added small quantity of another rare gas the ionization potential of which is lower than the potential at which the first inelastic collision in the first mentioned gas occurs.

1,481,423. POWER TRANSMISSION FOR VEHICLES. ALPHONSE W. HUNZ, Cornell, Wis. Filed July 25, 1921. Serial No. 487,339. 11 Claims. (Cl. 298—14.)



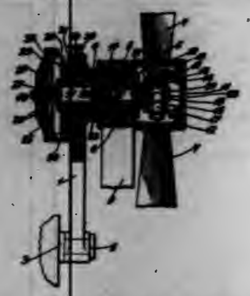
1. In a power transmission for vehicles, the combination of an endless flexible transmission member movably mounted on the vehicle, a clutch movable into and out of engagement with a wheel of said vehicle, said clutch being adapted to drive said member when in engagement with said wheel, and said member used as means to engage and disengage the clutch whereby upon movement of the vehicle and engagement of the clutch, said transmission member is rotated.

1,481,424. WIRE STRETCHER. ALLEN J. KING, Grand Saline, Tex. Filed June 24, 1922. Serial No. 570,578. 1 Claim. (Cl. 254—65.)



A wire stretcher of the character described comprising a casing having one end opened and its opposite end provided with an interiorly threaded centrally disposed opening, a partition longitudinally arranged adjacent one side wall of the casing and dividing the casing into a spool and gear compartment respectively, a shaft passing through the partition having its ends journalled from the side walls of the casing, a spool disposed in the spool compartment and carried by the shaft, a stub shaft passing through one side wall of the casing and having bearings in the partition and side wall respectively, a pair of intermeshing gears carried by the respective shafts, means for rotating the stub shaft, means for preventing retrograde rotation thereof, a tube threadedly secured in the threaded opening of the casing, collars surrounding the tube adjacent its respective ends, a supporting element having an elongated hooked upper end and parallel depending portions received by the respective collars, apertured extensions projecting from the side walls of the opened end of the casing, a bracket a pulley supported by the bracket, a wire clamp having a pulley secured thereto and a flexible element trained over the pulleys and fixed to one pulley and the spool respectively as and for the purpose specified.

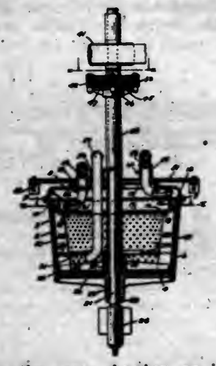
1,481,425. COMBINED FAN AND AIR-PUMP MECHANISM. RAYMOND H. KIRSCH, St. Louis, Mo., assignor to Hexagon Specialty Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 5, 1922. Serial No. 579,933. 16 Claims. (Cl. 230—1.)



7. Mechanism of the character described comprising a support, a sleeve carried by said support, a rotary fan carried by said sleeve, means for rotating said fan, a pump, a support for said pump extending through said sleeve, operating mechanism for said pump extending through the sleeve for operation by the fan, gearing for operating said operating mechanism, and means carried by said support for moving said operating mechanism and said gearing to and from position to be operated by the fan.

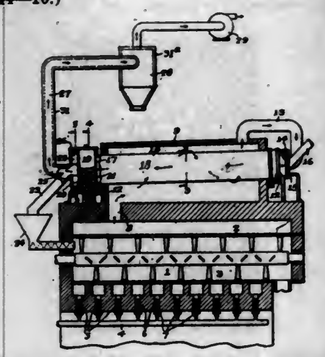
1,481,426. CENTRIFUGAL SEPARATOR. FRED WILLIAM MCENTIRE, Spreckels, Calif. Filed Mar. 16, 1921. Serial No. 452,673. 4 Claims. (Cl. 233—2.)

1. A centrifugal separator comprising an outer and an inner basket, the latter having a perforated wall, means for rotating said two baskets on the same axis at different speeds, an upper and a lower receiving chamber fixed to the top of the outer basket, ports leading from the inner basket to the lower chamber and from the



outer basket to the upper chamber, an inlet leading to the bottom of the inner basket, and a stationary discharge pipe for each chamber adapted to receive the content of said chamber.

1,481,427. TREATING OF COAL AND MANUFACTURE OF BRIQUETTES. CHARLES V. MCINTIRE, East Orange, N. J., assignor to International Coal Products Corporation, Bristol, Va., a Corporation of Virginia. Filed Aug. 9, 1920. Serial No. 402,168. 17 Claims. (Cl. 44—10.)

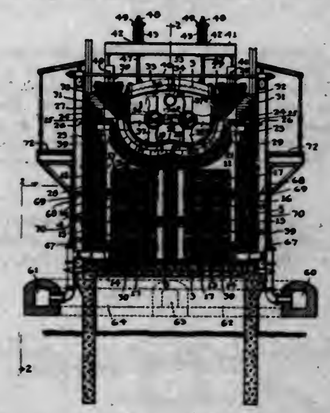


1. In the handling and treating of coal the method involving passing coal through apparatus comprising a dryer and a ball mill arranged in a manner to dry the coal and to thereafter subject the dry coal to the disintegrating or crushing action of the ball mill; during the drying and crushing passing a stream of hot products of combustion through the dryer and ball mill in direct contact with the coal in each and by said stream picking up the dust particles and conveying them from the dryer and ball mill; conducting said dust-laden products of combustion to a dust-separating means where the coal dust is collected, and separately collecting the pieces of coal or heavier particles as they are delivered from the ball mill.

1,481,428. FURNACE RETORT. CHARLES V. MCINTIRE, East Orange, N. J., assignor to International Coal Products Corporation, Richmond, Va., a Corporation of Virginia. Filed Jan. 26, 1921. Serial No. 439,925. 20 Claims. (Cl. 202—9.)

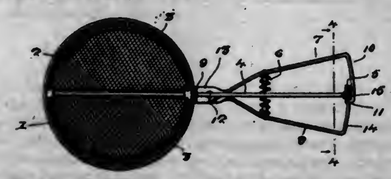
1. A furnace-retort wherein coal or the like is carbonized, the retort chamber of which is provided in a longitudinally extending portion which in cross-section is in

the form of a modified B so positioned that the curved portions of the B are at the bottom and so that the back line of the B extends substantially horizontally, the lower curved portions of the B providing the portion of the retort shell through which heat is conducted from combustion flues of the furnace to the material being treated within the retort chamber, said retort having means for feeding the material thereinto at one end, having parallel shafts with paddles thereupon for agitating and mixing material within the retort and for conveying material along the shell of the retort from the charging end to the opposite or discharging end, having means whereby the residue resulting from a carbonizing operation within the retort is conveyed from the discharging end of the retort, and having means for conducting away the gases and vapors given off during the carbonizing



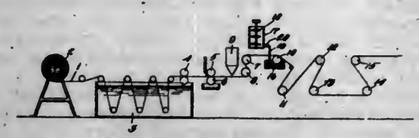
operation, the furnace-retort construction being characterized by having a relatively permanent masonry structure that provides longitudinally and inwardly extending overhangs that constitute the uppermost portions of the side walls of the retort, and by having the bottom and lowermost side portions of the retort defined by a shell portion composed of readily assembled-in-place and readily removable carborundum tiles, which carborundum tiles define a portion of the combustion flues of the furnace and through which heat is conducted from the combustion flues to the material within the retort, the furnace-retort also being characterized by having a roof of composite metallic masonry structure and formed in sections spanning the space from one side wall of the retort to the other side wall and constructed so that the sections can be readily removed and replaced without disturbing the permanent masonry structure.

1,481,429. FLOUR SIFTER. HARRY NAKAGAWA, Tanana, Alaska. Filed Mar. 26, 1923. Serial No. 627,868. 2 Claims. (Cl. 83—60.)



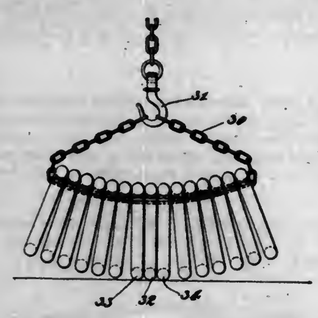
1. A flour sifter comprising a cylindrical body, a concavo-convex screen carried in said body, a handle member having an upright arm at its inner end fixed to the said body and also having at its outer end an inwardly directed lateral arm on the upper edge of which is an inwardly extending guide lug, a shaft journaled in the body and in the said arms of the fixed handle member, an agitator mounted on and arranged to turn with the shaft and also arranged to turn in the body and in close proximity to the upper side of the screen, a spur gear fixed on said shaft and arranged at the inner side of and adjacent to the outer arm of the fixed handle member, an oscillatory handle member pivotally connected to the fixed handle member at a point adjacent to the body and having at its outer end an inwardly directed rack bearing arm intermeshed with the said spur gear, said arm being interposed and movable between the said spur gear and the said guide lug and having a projection at its inner end to spring up against the guide lug and limit outward movement of the oscillatory handle member, and a spring maintained between the handle members.

1,481,430. MANUFACTURE OF ASPHALT ROOFING. FREDERICK C. OVERBURY, Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 24, 1919. Serial No. 340,128. 1 Claim. (Cl. 91—68.)



In the manufacturing of prepared asphalt roofing, impregnating felt with a molten asphaltic compound, then applying to the saturated sheet an inert insoluble powdered mineral of the character of talc or slate, suspended in water, and then permitting the evaporation of the water leaving the powdered material on the surface of the sheet.

1,481,431. CONVEYING METHOD AND APPARATUS. RALPH PLUMB, Buffalo, N. Y. Filed Nov. 17, 1920. Serial No. 424,627. 6 Claims. (Cl. 214—152.)

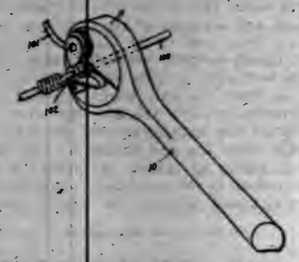


1. The method of depositing a plurality of identical relatively heavy units into substantially upright position upon a horizontal flat surface and in alignment and in contact with each other, which consists in depositing one or more of said units, moving said units successively in pairs toward and into contact with opposite ends of the units between them, each unit being urged against the group with the same force as the unit moving concurrently therewith.

1,481,432. WIRE-SPLICING TOOL. BERT O. REPASS, Carmel, Ind. Filed Feb. 12, 1923. Serial No. 618,638. 5 Claims. (Cl. 140—119.)

1. A device of the character described comprising a wire mount including a handle portion, an arm pivotally

and eccentrically mounted upon the wire mount and having its free end toothed, and a pawl engaging said toothed



surface of said arm and adapted to maintain the arm in the adjusted and tilted position, substantially as described.

1,481,433. METHOD FOR FINISHING PAINTED SURFACES. FRANK KIESSINGER, Dayton, Ohio. Filed Apr. 9, 1923. Serial No. 630,971. 1 Claim. (Cl. 91—67.9.)

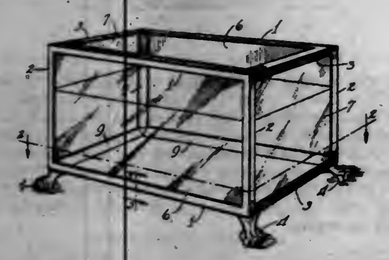
The herein described method of finishing painted surfaces, consisting in applying a body coat of paint on a surface to be finished, in applying a finishing coat of paint on said body coat, in working a fabric by progressive operations over said entire surface before the finishing coat of paint is dry, to produce thereon impressions showing the texture and configuration of the fabric.

1,481,434. DIE AND HEAD FOR FOLDING MACHINES. EDWARD B. ROBY, Troy, N. Y., assignor to Stanley M. Stone, Cohoes, N. Y. Filed June 21, 1918, Serial No. 241,124. Renewed June 29, 1922. Serial No. 571,793. 14 Claims. (Cl. 223—55.)



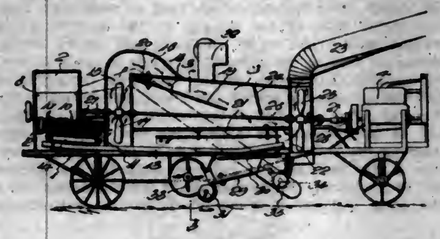
1. In a head and die for folding machines, the combination, with a grooved head, and slidably adjustable and detachable tongues within said head, of removable die sections engaging said tongues, and a bow-spring for detachably fastening said die-sections to said tongues.

1,481,435. AQUARIUM. WILLIAM ROSSBERGER, Wilmette, Ill. Filed Apr. 26, 1923. Serial No. 634,836. 4 Claims. (Cl. 119—5.)



1. In an aquarium construction, a glass bottom plate, glass side and end plates resting on said bottom plate, a plastic covering for the joints at the contiguous edges of said plates, and means for protecting the plastic covering from drying out.

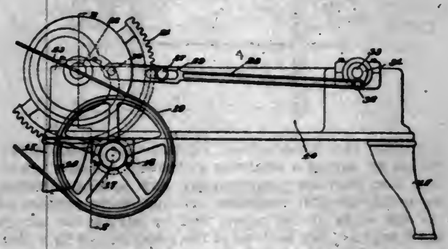
1,481,436. THRASHING MACHINE. EARL F. RUSSELL, Bird City, Kans., and RAYMOND B. LAMME, Ulysses, Nebr. Filed Aug. 28, 1922. Serial No. 584,771. 4 Claims. (Cl. 130—27.)



1. A thrashing machine comprising a chamber and means therein for thrashing grain from straw, a wall of open-work form in said chamber through which the grain is thrown by the thrashing means and by which the straw is checked, receiving means for the grain, and means between the thrashing means and wall for carrying the checked straw from the chamber

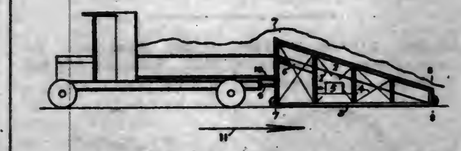
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1,481,437. BROACHING. GEORGE J. RUSSELL, Lowell, Mass. Filed July 16, 1921. Serial No. 485,363. 48 Claims. (Cl. 90—33.)



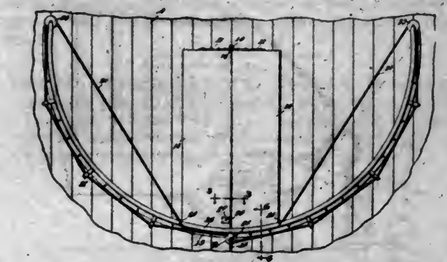
39. In a broaching machine, a broach constructed and arranged to be supported upon the stock operated on, and means for removing chips from the teeth of the broaching tool.

1,481,438. TRUCK SNOW-LOADING DEVICE. ANTHONY F. A. SCHMITT, New York, N. Y. Filed Mar. 5, 1921. Serial No. 450,046. 2 Claims. (Cl. 37—41.)



1. A snow loading unit adapted to be pushed as a pilot unit before a truck to be loaded, said unit having an inclined bottom along which the snow may rise and pass to the truck; together with means on the pilot unit to receive the impact of and maintain contact with a truck frame, whereby to permit a truck to be run against the pilot unit for pushing the latter and then backed away from said unit, and a rearwardly projecting element additional to said impact means and disposed on said element at the back thereof in a position to enter beneath the pushing truck frame to prevent vertical tilting of said pilot unit.

1,481,439. CAR DOOR. NATHAN N. SELLERS, Guthrie, Okla. Filed Apr. 14, 1922. Serial No. 552,821. 4 Claims. (Cl. 20—29.)



1. A door structure comprising a pair of similar door members hingedly mounted at their inner upper corners above the door opening, a curved guide member of angular formation confining the lower ends of the doors and serving as a guide therefor during their movement, and means for swinging both door members upwardly and outwardly simultaneously.

1,481,440. TIRE TREAD. ANTONY SILVENE, Victoria, British Columbia, Canada. Filed Dec. 23, 1922. Serial No. 608,644. 2 Claims. (Cl. 152—14.)



1. A tire tread comprising a casing segment adapted to fit the tire and having a recessed portion facing the tire along the tread, the recessed portion having apertures across the tread which are alternately oppositely angled, separate road engaging members flanged to fit the recess of the casing segment and provide a practically continuous contact around the tire, each member having a projection which passes through an aperture in the recessed portion of the casing segment.

1,481,441. PRINTER'S MATERIAL AND MEANS FOR PRODUCING SAME. ASHTON G. STEVENSON, Chicago, Ill. Filed Jan. 20, 1921. Serial No. 438,769. 6 Claims. (Cl. 199—57.)



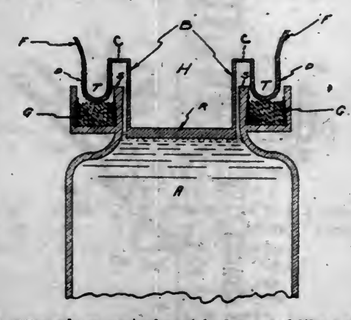
1. The improvements herein described comprising a mold adapted to cast low spacing printers' material in combination with mold edge defining means adapted to be secured to the face of the mold and to project forward therefrom for contact with the so-called linotype matrices in their ordinary casting positions relatively to a standard thickness mold, and for the production of printing slugs having overhanging printing faces and a liner adapted to be reversibly arranged to produce overhanging faces of different widths.

1,481,442. TYPE-SLUG-CASTING MACHINE AND PRODUCTS. ASHTON G. STEVENSON, Chicago, Ill. Filed Feb. 10, 1921. Serial No. 443,864. 5 Claims. (Cl. 101—398.)



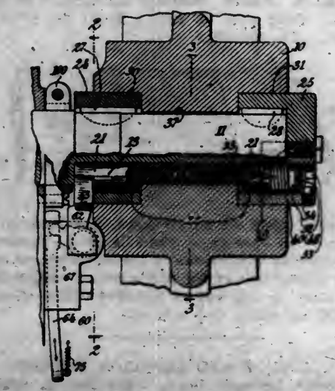
1. The herein described printing slug having a narrow body and an upper printing part extending on one side thereof in combination with a supporting slug adapted to receive the overhanging part of the printing slug and of such relative height that the lower edge of the printing slug is maintaining above the lower surface of the supporting slug.

1,481,443. SEAL-TIGHT PRESERVING JAR. HARRY STONE, Weymouth, Mass. Filed Mar. 16, 1922. Serial No. 544,380. 4 Claims. (Cl. 215—80.)



1. A cover whose central part is depressed like a shallow cup that goes into the mouth of a container and is floating and sinkable, a trough on the lower side of its outer part, that trough going into a groove filled with wax around the outer side of the mouth of the said container forming a seal tight closure therewith.

1,481,444. CLUTCH. ROBERT W. STOUT, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Nov. 2, 1921. Serial No. 512,214. 11 Claims. (Cl. 192—29.)

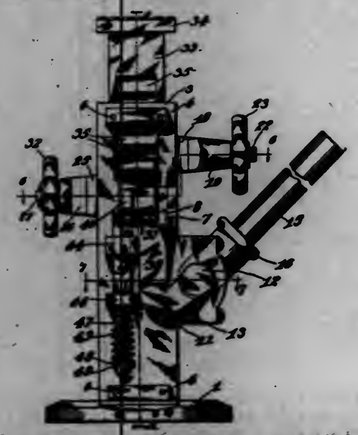


3. A clutch comprising a driving and a driven part, one of said parts having a clutch-key for engaging the other part to effect driving thereof, and means for operating said clutch-key comprising a pawl, said key having a shoulder

adapted to be struck by said pawl to move said key out of clutching engagement, and a portion on said key immediately beyond said shoulder concentric with said driven part when pressed back by said pawl against which said pawl is adapted to press to hold said key precisely out of engaging position.

9. A clutch comprising a driving and a driven part, one of said parts having a clutch-key for engaging the other part to effect driving thereof, said clutch-key being oscillatory on an axis longitudinally thereof and having spaced bearing portions and an engaging portion between said bearing portions, and a spring for turning said clutch-key on its axis, said spring being coaxial with said key beyond said bearing portions.

1,481,445. LIFTING JACK. ALFRED SWANSON, Billings, Mont. Filed Jan. 29, 1923. Serial No. 615,675. 15 Claims. (Cl. 254—109.)



1. A lifting jack comprising a base, a standard on said base, a lifting post in said standard, means cooperable with two faces of said lifting post for elevating the same, a main pawl for engaging another face to retain the lifting post as it is operated step by step, and an independent auxiliary member for engaging the fourth face of the lifting post.

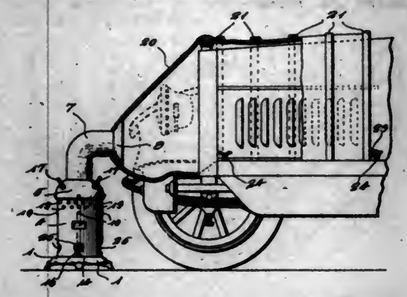
1,481,446. WINDPROOF SHIELD FOR MATCH BOXES. CHARLES R. WELCH, Schofield Barracks, Territory of Hawaii. Filed Apr. 10, 1923. Serial No. 631,198. 7 Claims. (Cl. 206—31.)



1. A wind shield for match boxes, comprising a casing for the box, an opening on the side of the shield to expose the igniting composition of the match box, a lighting aperture on one face of the shield, and a resiliently supported opener in one end of the shield, said opener provided with shoulders and a tongue.

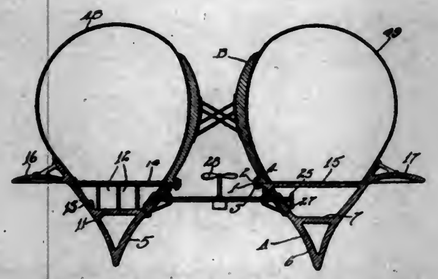
1,481,447. ENGINE AND RADIATOR WARMER. JOHN R. WESTON, Dubuque, Iowa. Filed Dec. 30, 1922. Serial No. 609,849. 4 Claims. (Cl. 126—96.)

1. An automobile engine and radiator heating device including a flexible cover adapted to extend over the automobile radiator and engine hood, the front portion of the cover extending in advance of the radiator and being constructed to form a hot air intake, and a plurality of



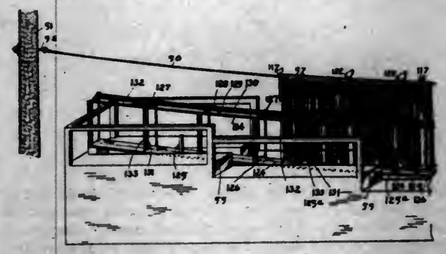
arched supports secured to the cover at spaced points and adapted to straddle said hood to space the cover therefrom to permit circulation of the hot air therebetween.

1,481,448. AIRCRAFT. JAMES WHALEN, Chicago, Ill. Filed Nov. 16, 1922. Serial No. 601,310. 6 Claims. (Cl. 244—7.)



1. An aircraft comprising a frame having an under-structure and a super-structure removably secured to each other, said under-structure being composed of two keels disposed parallel with respect to each other and said super-structure having two gas bags, the bags combining to form a common bull nose at the front of the device and combining to form a common tail at the other end of the device.

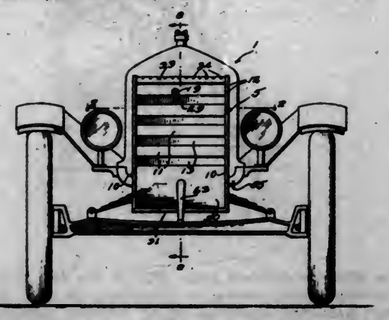
1,481,449. APPARATUS FOR INDICATING AND EXPEDITING WORK. SCHUYLER S. WHEELER, Bernardsville, N. J., assignor to Crocker-Wheeler Company, Ampere, N. J., a Corporation of New Jersey. Filed Oct. 21, 1920. Serial No. 418,602. 25 Claims. (Cl. 40—2.)



1. Apparatus for indicating and expediting work, comprising a suspension line, a number of strings or appendages representing different subject matters, and which are assembled on and detachably engaged with the said line, each string being built up of a number of indicators detachably connected together successively, and a passage

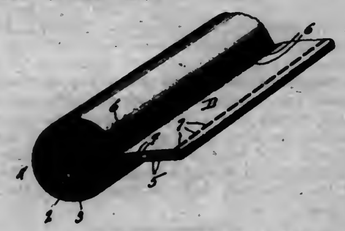
for attendants at each side of the line of suspended strings or appendages, whereby the strings of indicators are rendered readable and accessible at one or both sides of the line, depending upon whether the indicators of any given string face away from one side or the other of the line.

1,481,450. HEATING DEVICE. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed Jan. 28, 1922. Serial No. 532,508. 7 Claims. (Cl. 263—5.1.)



1. A heater for automotive radiators comprising a casing adapted to be secured to the front of the radiator, said casing being provided with a horizontal air chamber, a burner arranged in the lower portion of said casing, means for delivering air from said horizontal air chamber to said burner, means for conveying the products of combustion from said burner, and a horizontal passage adapted to receive the products of combustion, said passage being aranged adjacent said horizontal air chamber.

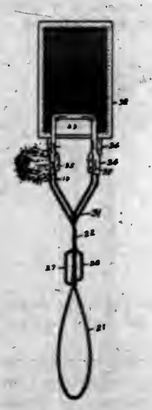
1,481,451. GASKET. EDWARD J. WIEPS, Webster Groves, Mo. Filed Nov. 28, 1921. Serial No. 518,221. 3 Claims. (Cl. 20—69.)



1. As a new article of manufacture, a gasket comprising an elongated body of yielding packing, a strip of flexible, pliable material having a tubular enclosing portion surrounding said packing and attaching portions extending from one side of said packing to form an attaching flange, stitches passing through and uniting said attaching portions at the junction of said tubular enclosing portion and the attaching portions so as to close said tubular portion and confine the packing therein, and stitches passing through and uniting said attaching portions at the outer edge of said attaching flange, one of said attaching portions having a marginal extension folded backwardly to form a folded outer edge for said attaching flange, and the last mentioned stitches being passed through said marginal extension.

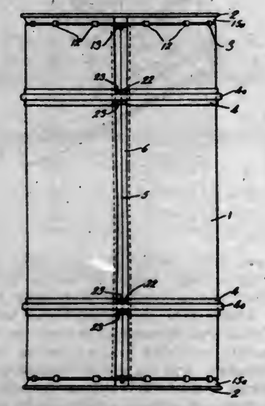
1,481,452. FLY SWITCH. LOUIS H. WOODCOCK, Colville, Wash. Filed Apr. 16, 1923. Serial No. 632,523. 1 Claim. (Cl. 43—137.)

A fly-switch holder comprising a pair of wire clamps, the two being hinged together in such a fashion as to form a pair of loops at one end, the outer end of one of said loops being provided with inwardly extending pins and the outer end of the other of said loops being provided with a plate extending across such loop directly opposite said pins, between which pins and plate



the switch is to be held and the other end of said clamps formed into a handle and means at the handle end for interlocking the two parts together to hold said switch firmly in place between said loops.

1,481,453. METAL KEG. RALPH E. BLACKFORD, Middletown, Ohio. Filed Sept. 20, 1922. Serial No. 589,291. 10 Claims. (Cl. 220—55.)

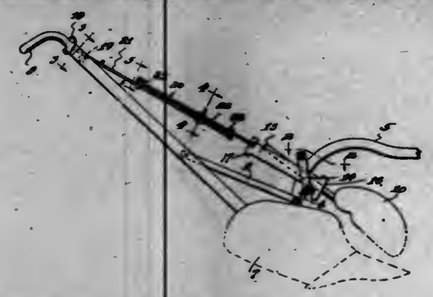


1. In metal kegs, including in combination with the body and heads of the keg, a plurality of channels extended parallel one with another longitudinally of said body and open outwardly to the periphery thereof, and an intermediate band having a series of lugs assembled thereon and adapted to register with and to effect interlocking relations with said channels as said ring is brought to position on said body.

1,481,454. WEED AND STUBBLE CLEARER FOR PLOWS. MICHAEL BRABAW, Pearl Beach, Mich. Filed Mar. 9, 1922. Serial No. 542,202. 2 Claims. (Cl. 97—194.)

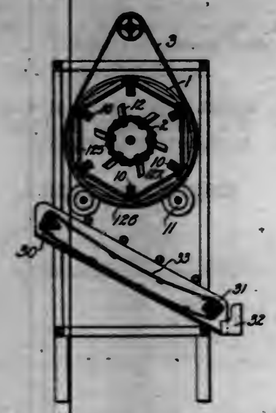
1. A weed and stubble clearer for plows comprising a colter, a blade portion arranged adjacent the colter, a handle portion and adjustable intermediate members

whereby the handle may be positioned adjacent the plow handles, a clamp for securing the intermediate members in any adjusted position, a bracket for retaining the



blade portion upon the plow beam, and stop members at either end of the blade portion to limit the thrust thereof.

1,481,455. GREEN-PEA VINER. WILLIAM F. CHRISTEL, Valders, Wis., assignor to Chisholm-Scott Company, Columbus, Ohio. Filed Oct. 20, 1923. Serial No. 669,754. 1 Claim. (Cl. 130—30.)



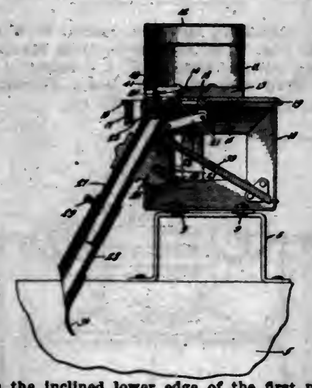
A green pea viner comprising an outer, open-ended, slowly rotating cylinder having elevating devices on its inner periphery and covered by perforated screens, the size of the perforations at the feed end being smaller than the normal size of perforations for the rest of the screen; a rapidly revolving beater-carrying drum within the outer cylinder; and an apron extending from feed to the discharge end of the cylinder for separating the hulled peas from the refuse, substantially as described.

1,481,456. COAL-SAVING COMPOSITION. OVID OBLINGTON COOPER, Chicago, Ill. Filed Jan. 9, 1922. Serial No. 528,062. 2 Claims. (Cl. 44—4.)

1. A fuel saving composition consisting of a mixture of sand, fine coal, ashes, salt, and water sufficient to make mortar-like mass.

1,481,457. REPLANTER. ROBERT W. CROSSMAN and LOUIS MASCHEK, Texola, Okla., assignors, by direct and mesne assignments, to Visible Manufacturing Co., Texola, Okla. Filed Sept. 7, 1921. Serial No. 498,967. 1 Claim. (Cl. 111—93.)

A planter including runners, a grain box supported above the runners and having an outlet opening, an auxiliary bottom spaced from the bottom of the grain box, a slide having an opening adapted to register with the opening of the grain box, said auxiliary bottom having one end thereof extending beyond the wall of the grain box, and supplied with a discharge spout, said discharge spout having an inclined lower edge, a pivoted discharge pipe having an inclined upper edge cooperat-



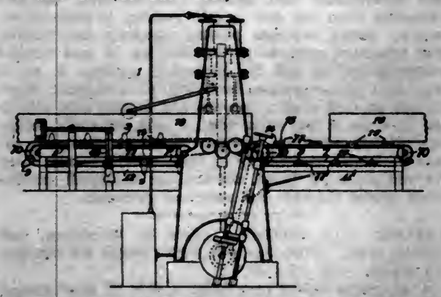
ing with the inclined lower edge of the first mentioned discharge spout, means for connecting the slide and second mentioned discharge spout whereby movement of the discharge spout results in a relative movement of the slide to cause the slide to pick up seed and deposit the same in the discharge spouts, and means for moving the last mentioned discharge spout.

1,481,458. DETACHABLE PLOWPOINT. ERNEST E. CULLEN, New Baltimore, Mich., assignor of one-half to Charles H. Murdick, New Baltimore, Mich. Filed Jan. 9, 1922. Serial No. 528,067. 2 Claims. (Cl. 97—125.)



1. A detachable plow point having a point portion of solid metal and a hollow body portion arranged with a horizontal bottom and a vertical side wall, and means for securing the plow point on the plowshare with the vertical side wall engaging the landside of the plowshare, comprising a wedge adapted to engage the landside of the plowshare and the horizontal bottom wall of the point.

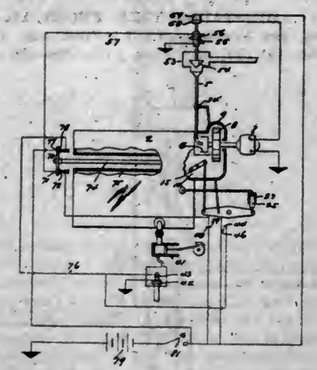
1,481,459. GANG-SAW MILL. GEORGE A. DICKIE, Seattle, Wash. Filed Jan. 24, 1921. Serial No. 439,464. 3 Claims. (Cl. 143—105.)



1. In a gang saw mill, a device for supporting the sawed end of the log and conveying away the sawed lumber, comprising a trackway, and endless chain ex-

tending lengthwise of the trackway, a series of trucks secured to said chain at intervals and each comprising an axle, wheels upon the axle and engaging the trackway and a bolster, and a pair of plates secured to the bolster and adapted to enter saw kerfs in the log.

1,481,460. STEAM-POWER-PLANT CONTROL. JESSE W. DOBLE, San Francisco, Calif., assignor to Doble Laboratories, San Francisco, Calif., a Corporation of California. Filed Dec. 13, 1919. Serial No. 344,741. 14 Claims. (Cl. 158—45.5.)



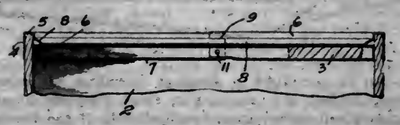
1. In a control system for a steam power plant, a liquid fuel burner for affecting a heat absorbing medium in which the pressure may be made to vary by an application of heat, a valve for varying the amount of air supplied to the burner, a valve for varying the supply of fuel to the burner, means responsive to the pressure of the heat absorbing medium for mechanically operating the air valve, and means responsive to the movement of the air valve for operating the fuel valve.

1,481,461. PHONOGRAM BLANK. VICTOR H. EMMASON, New York, N. Y., assignor, by mesne assignments, to Metal Recording Disc Company, Inc., a Corporation of New York. Filed Oct. 16, 1919. Serial No. 331,147. 4 Claims. (Cl. 274—42.)



1. A blank for original round records having a non-undulatory groove with similar upturned edges at its sides.

1,481,462. BARREL CONSTRUCTION. STANTON W. FORSMAN, Los Angeles, Calif., assignor to The Paraffine Companies, Inc., a Corporation of Delaware. Filed Aug. 18, 1921. Serial No. 493,269. 2 Claims. (Cl. 217—89.)



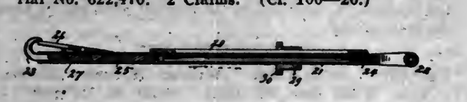
1. A split croze ring of channel form in cross section to fit down over the end of a barrel and having inwardly extending spaced shoulders to receive a head, the ends of the ring being telescopic, and one end being slotted to receive a part of the other end.

1,481,463. CENTERING AND SECURING MEANS FOR ELECTRIC CANDLES. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed May 4, 1921. Serial No. 466,694. 1 Claim. (Cl. 240—52.)



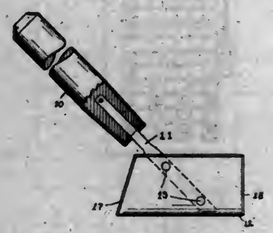
In an electric candle fixture, a support having a bottom, a wall surrounding the bottom and projecting above the plane thereof, and a plurality of rigid, pliable pegs of decreasing diameter upwardly, projecting upwardly from the bottom and arranged in a circle, said pegs being adapted to fit within and engage the inside cylindrical surface of a candle simulating member.

1,481,464. MEANS FOR TYING BUNDLES. ANDREW W. GROW, Indianapolis, Ind. Filed Mar. 3, 1923. Serial No. 622,470. 2 Claims. (Cl. 100—20.)



1. A hand tool for tying bundles comprising a body portion, a handle at one end of the body and a hook at the other, and a movable member sliding longitudinally of the body.

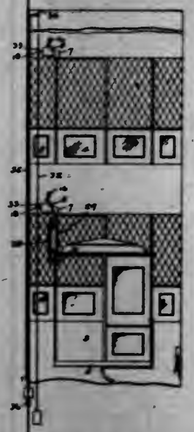
1,481,465. LAWN TRIMMER. MINER G. HALVERSON, Whitewater, Wis. Filed Jan. 20, 1922. Serial No. 530,610. 1 Claim. (Cl. 97—227.)



In a lawn trimming tool a handle, a shank projecting therefrom and a trimming member formed in one piece rigidly secured to said shank, said trimming member being formed with a substantially horizontal guiding portion, an angularly disposed cutting portion and an intermediate portion disposed substantially at right angles to said guiding portion, said cutting portion being provided with forward and rear sharpened cutting edges, the rear

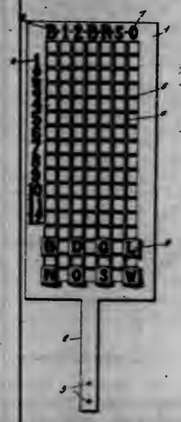
one of said edges being angularly disposed to permit a draw cut, said shank extending obliquely across the entire width of said intermediate portion for reinforcing said trimming member.

1,481,466. ELEVATOR-DOOR-CONTROL SYSTEM. WILLIAM H. HARTMAN, Los Angeles, Calif., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif., a Corporation of California. Filed Dec. 2, 1920. Serial No. 427,669. 8 Claims. (Cl. 187—31.)



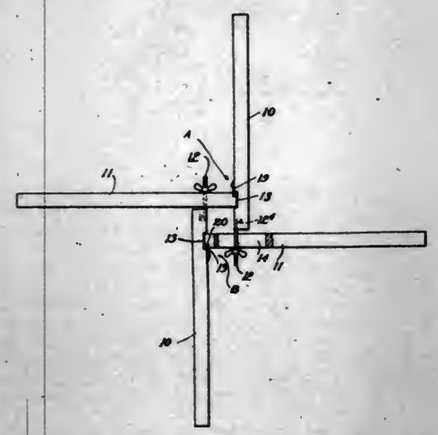
5. In an elevator system having a car, a plurality of landings, and doors for the landings, locks for the doors, a member arranged to keep the locks in closed position, means responsive to the arrival of a car at a selected position for rendering said means inoperative, and means for preventing the movement of the car responsive to the inoperative condition of the member arranged to keep the locks closed.

1,481,467. INDICATOR. WALTER HOCKIN, Jackson, Mich. Filed Mar. 26, 1923. Serial No. 627,906. 1 Claim. (Cl. 116—114.)



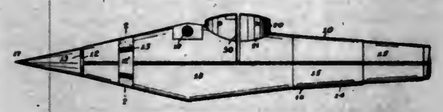
An indicator comprising a substantially rectangular base having the intermediate portion thereof divided into transverse and longitudinally disposed rows of squared openings by transversely and longitudinally arranged bars, the transverse rows of squared openings being individually designated by a group of symbols indicative of the consecutive hours and the longitudinally disposed row of squared openings being individually designated by a group of symbols indicative of the various steps of a laundering process and indicating pieces comprising metal bodies having substantially right angularly formed fingers arranged upon their upper ends and substantially right angularly and outwardly disposed extensions formed upon their lower ends adapted to be interchangeably engaged with said transversely and longitudinally disposed rows of squared openings, as and for the purpose set forth.

1,481,468. ADJUSTABLE TREE PEDESTAL. FRANS E. JUTH, San Francisco, Calif. Filed Aug. 10, 1921. Serial No. 491,180. 4 Claims. (Cl. 248—38.)



1. A tree pedestal comprising pairs of supporting members, the members of each pair being arranged at right angles to each other and detachably connected together, one member of each pair having a groove therein to receive the inner end of one of the members of the other pair of supporting members, the latter member having a transverse groove at its inner end and located adjacent the open side of said groove of the first mentioned grooved member, and means carried by the first mentioned grooved member to engage in the groove of the second mentioned grooved member, whereby to form a tree receiving socket between said pairs of members, and securing means slidably supported on the second mentioned grooved members and engageable with the inner ends of the first mentioned grooved members.

1,481,469. BATTLE PLANE. HENRY E. KRAMMER, New York, N. Y. Filed Aug. 6, 1917. Serial No. 184,604. 22 Claims. (Cl. 244—30.)



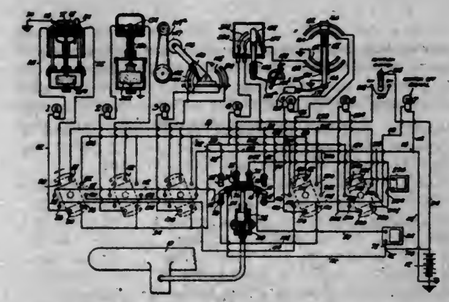
1. In an aeroplane, a fuselage including an internal bracing formed of a plurality of rings disposed in parallel planes and spaced apart longitudinally of the fuselage, a plurality of plates extending lengthwise of the fuselage and forming an enclosing structure surrounding the rings, said plates being each concaved and joined along adjacent edges in order to form a structure star-shaped in cross-section.

1,481,470. ELECTRIC LIQUID-LEVEL INDICATOR. WILLIAM S. LA LONDE, Evanston, Ill. Filed Oct. 11, 1920. Serial No. 416,279. 1 Claim. (Cl. 137—102.)



In mechanism of the class described, a liquid containing tank having a perforation in its top, a float in the tank, a reduced axial extension on the upper end of the float, an axial spindle carried by the float and slidably engaged through the perforation in the top of the tank, and a flexible disk valve carried by the spindle and seated on the upper end of the float extension for sealing the perforation in the top of the tank when the float reaches its extreme upper position, said flexible disk valve being of greater diameter than the extension of the float whereby the outer portion of said valve is forced into sealing engagement with the top by direct liquid pressure against the bottom thereof.

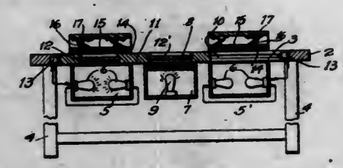
1,481,471. ELECTRIC-SIGNAL TROUBLE INDICATOR FOR AUTOMOBILES. WILLIAM S. LA MONDE, Evanston, Ill. Filed Mar. 9, 1921. Serial No. 450,853. 10 Claims. (Cl. 177—311.)



7. In mechanism of the class described, an electric circuit including a signal 1 and a switch for operating it, a supplemental electric circuit including a signal 7, a second switch controlling mechanism 36 movable between two positions in one of which it closes the first circuit so that the first signal 1 is operatable in the main circuit and in the other of which it closes the second circuit so that the second signal 7 may be operated in the supplemental circuit, a third switch 58 movable between two positions in one of which the first signal 1 if operatable thru the proper positioning of the first two switches in the main circuit will be energized, otherwise not, and in the other of which the second signal 7 if operatable thru the alternative positioning of the second switch in the supplemental circuit will be energized, otherwise not, and means operated thru the action of moving parts of the automobile engine adapted when the device is applied to an automobile to maintain the second switch in such position that the first signal may be operated while the engine is running, while the second signal is only operative when the engine stops; and means automatically holding said switch in the opposite position when the automobile is at rest.

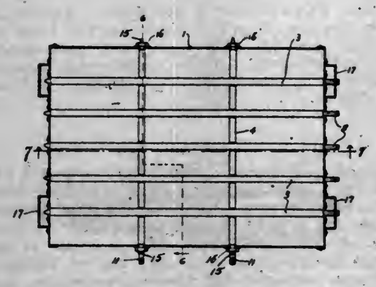
8. In mechanism of the class described, in combination with a plurality of parts of an automobile which may get out of order while the automobile is running, and another group of parts which may require attention when the automobile stops, a set of signals of one class, one for each of such parts in the automobile, one common signal of another class, an electric circuit for each signal of the first class, electric circuits for the signal of the second class, a switch for each circuit operated by the adjacent part whose condition is to be indicated, and means for supplying electric current to all of such circuits, this in combination with switch mechanism controlled thru the action of a moving part of the automobile engine movable to two positions, in one of which the signals for the parts whose condition is to be noted while the engine is moving are energized only when the engine is moving and the other of which the parts whose condition is to be noted when the engine is stopped are energized only when the engine is stopped.

1,481,472. PHOTOGRAPHIC-PRINTING MACHINE. WILBUR C. LAMPHIER, New York, N. Y. Filed Feb. 2, 1922. Serial No. 533,552. 6 Claims. (Cl. 95—73.)



1. A photographic printing machine comprising a table, a plurality of photographic lamp boxes mounted beneath the top of said table, a slidable frame mounted within said table top and provided with a plurality of glass plates, and a lamp box provided with a colored glass plate centrally mounted below the table top and between said lamp boxes.

1,481,473. CONCRETE-BRICK MOLD. ERICK J. LARSON, Moline, Ill. Filed Feb. 21, 1921. Serial No. 446,725. 2 Claims. (Cl. 25—121.)



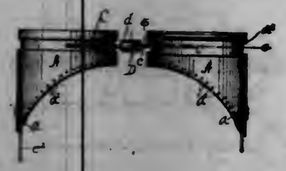
1. A device of the class described, comprising a suitable frame; a plurality of partitions having an intersecting connection with each other, dividing said frame into rectangular compartments, said partitions being formed of spaced-apart plates, capable of resilient movement with relation to each other; and intersecting bars removably held in said partitions, and holding the same normally in spaced-apart relations.

1,481,474. DETACHABLE BUTTON. JOHN F. LEIDECKER, Alameda, Calif. Filed Mar. 29, 1923. Serial No. 628,492. 2 Claims. (Cl. 24—90.)



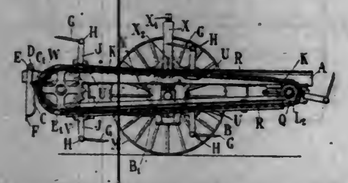
1. A button comprising a pair of jaws hinged together, teeth on said jaws, a locking plate, said plate having a groove therein, the outer edges of said jaws being adapted to rest in said grooves.

1,481,475. GOGGLES. ROBERT MALCOM, Chicago, Ill. Filed July 14, 1920. Serial No. 396,225. 4 Claims. (Cl. 2—149.)



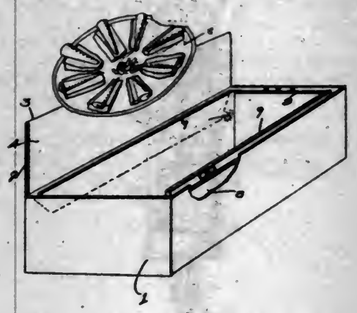
1. Goggles comprising a pair of eye cups formed of non-absorbent material, each elongated at one side diagonally of the axis thereof and having an outer circumferential groove formed therein, lenses, an inner circumferential shoulder forming a seat for each lens, a retaining ring having threaded engagement with the eyecup and bearing against the front of each lens, semi-circular retaining members in the aforesaid groove engaging the eyecups on opposite sides thereof, and a flexible nose bridge connecting said retaining members.

1,481,476. FLAX-PULLING MACHINE. GEORGES MICHOT, Dromara, Ireland, assignor to The Fibre Corporation, Limited, London, England, and Marshall Sons and Company, Limited, Gainsborough, England. Filed Mar. 6, 1922. Serial No. 543,282. 2 Claims. (Cl. 55—66.)



1. A flax-pulling machine having comb teeth comprising a pivotally mounted cleaning bar adapted to follow the motion of the comb teeth so that the cleaner remains close to or in contact with the comb teeth and cleans them from end to end as each comb passes the said bar.

1,481,477. DISPLAY CARTON. AUGUST F. MILLER, San Francisco, Calif., assignor to Schmidt Lithograph Company, a Corporation of California. Filed Feb. 28, 1922. Serial No. 538,487. 2 Claims. (Cl. 229—14.)



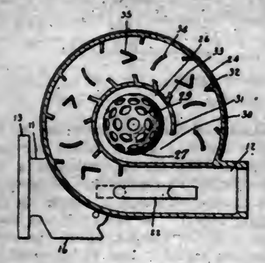
1. A reinforcing for cartons comprising a corrugated board sleeve narrower than the depth of the carton, the corrugations extending vertically and adapted to act as object receptacles, and an additional reinforcing in the carton inside the sleeve substantially of the same heighth as the carton.

1,481,478. CAN OPENER. JESSE S. MOORE and JEROME MEYER, New York, N. Y. Filed June 17, 1922, Serial No. 568,923. Renewed June 6, 1923. 4 Claims. (Cl. 30—3.)



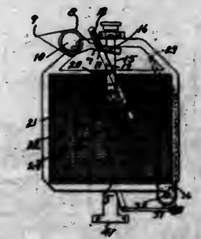
1. In a can opener, a hand lever having a seat and a curvilinear blade hinged to the lever and formed to contact with the seat when in cutting position.

1,481,479. ENGINE EXHAUST MUFFLER. JAMES A. MURPHY, Connersville, Ind. Filed July 2, 1921. Serial No. 482,158. 8 Claims. (Cl. 137—160.)



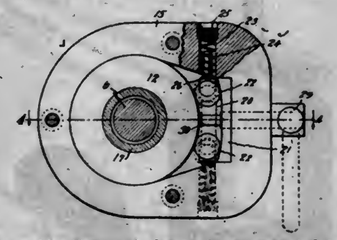
1. A muffler adapted for use with gas engines and the like, comprising a casing having an inlet opening formed tangentially thereof, a tangentially formed and oppositely directed outlet opening, a passage extending through said casing connecting said openings, and a plurality of curved baffle plates mounted substantially in the center of and horizontally with respect to said passage.

1,481,480. AUTOMOBILE SIGNAL. STEVE W. ORRICO, Oakland, Calif. Filed Jan. 31, 1923. Serial No. 616,060. 1 Claim. (Cl. 116—51.)



An automobile signal comprising a pair of pivoted signal arms, one at the front and the other at the rear of an automobile, brackets to support said arms, a lever pivoted on each bracket each of said levers having slots in its upper ends, pins on said signal arms which extend through the slots of each lever said levers also having slots in their lower ends, cranks engaging the slots in the lower ends of said levers, a shaft carrying each crank, and means for operating said shafts in unison whereby the front and rear signals may be simultaneously operated.

1,481,481. WRINGING MACHINE. WILLIAM V. ORR, Cleveland, Ohio. Filed Oct. 25, 1920. Serial No. 419,247. 10 Claims. (Cl. 68—32.)



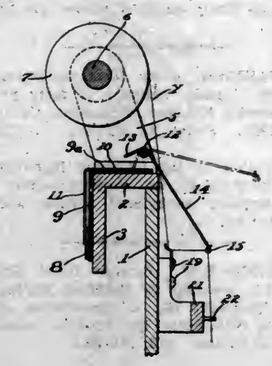
2. In combination a clothes wringer mounted to swing on a vertical axis, a drive shaft geared to the wringer rolls and concentric with such axis, and a spring lock equally operative at all positions of said wringer to lock said wringer against swinging.

1,481,482. AGENT FOR ACCELERATING VULCANIZATION OF RUBBER AND METHOD OF PRODUCING SAME. STANLEY JOHN PEACHEY, London, England. Original application filed July 15, 1918, Serial No. 245,097. Divided and this application filed Oct. 2, 1922. Serial No. 591,925. 8 Claims. (Cl. 260—23.)

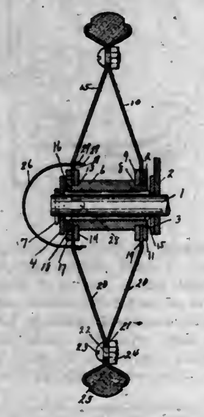
1. Materials or agents for accelerating the vulcanization of rubber or rubber-like substances consisting of the condensate produced by heating together a paranitroso dimethylaniline homologue and sulphur to a temperature at which interaction takes place, substantially as described.

1,481,483. CONTACT DEVICE FOR BRAIDING MACHINES. ANKER PETERSEN, Winthrop, Mass., assignor to American Wire-Mold Company, Hartford, Conn., a Corporation of Connecticut. Original application filed July 30, 1920, Serial No. 400,172. Divided and this application filed Aug. 16, 1922. Serial No. 582,159. 7 Claims. (Cl. 96—13.)

1. A braiding machine of the type employing an electrical stop mechanism and comprising in combination an insulated contact plate and a pair of fingers extending substantially radially from a common axis parallel to said contact plate and simultaneously movable about said axis, one of said fingers being of such length as to permit its end portion to engage the surface of the contact plate and the other finger extending downwardly from its axis and having a yarn engaging element, and means normally tending to hold said first finger in contact with the plate.



1,481,484. WHEEL. HENRY F. BIESER, Lakewood, Ohio. Filed Apr. 4, 1921. Serial No. 458,365. 1 Claim. (Cl. 301—62.)



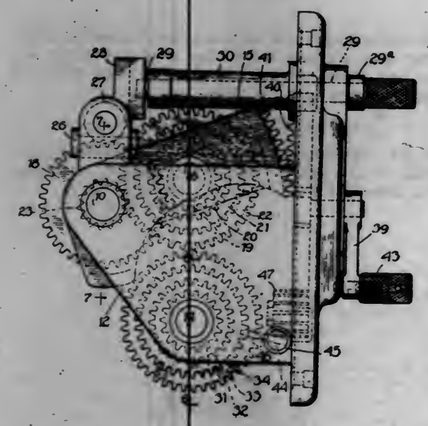
In a device of the character described, a tubular hub having sections of smaller diameter at each end thereof providing annular shoulders, a pair of discs of sheet material centrally apertured to fit over the respective ends of said hub, said discs having flat central and peripheral sections and frusto-conical intermediate sections, washers fitted over the respective reduced hub sections, the centrally flattened portion of said discs seated against their respective washers, an outside washer, having a cut out portion extending radially from its central aperture, seated against the outer face of one of said discs and held in rigid relation thereto by the upsetting of the adjacent end of the hub into said radial cut out portion, and a screw threaded washer in threaded engagement with the other end of said hub and adapted

to be turned into clamping engagement against the central portion of the disc positioned on the outside of said hub, the circumferential portions of said discs being inclined toward each other to provide a V-shaped seat for a rubber tire, and means for holding the flat peripheral portions of said discs firmly together and at the same time serving to firmly clamp a rubber tire within said seat.

1,481,485. VARNISH. JOHN WILLIAM SNAPE, Edmonton, Alberta, Canada, assignor of forty per cent to George Frederick Moulman, Edmonton, Canada. Filed Apr. 16, 1923. Serial No. 632,526. 1 Claim. (Cl. 134—79.)

The combination of the following ingredients mixed in suitable proportions as specified:—clear celluloid, spirits of camphor, methylated spirits, acetone and domestic castor oil.

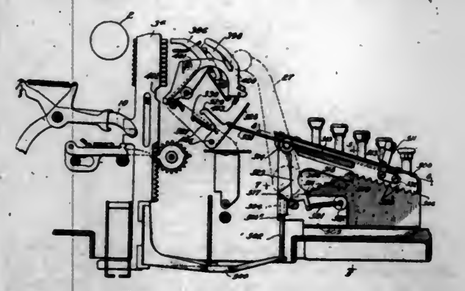
1,481,486. FEED BOX. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Oct. 2, 1919. Serial No. 328,058. Renewed June 22, 1923. 19 Claims. (Cl. 74—58.)



13. In a mechanism of the class described, the combination of a pair of fixed shafts and an intermediate shaft, each of said shafts having a plurality of gears thereon, the gears of said intermediate shaft being fixed against axial movement and movable into and out of operative engagement with the gears on one of said pair of shafts while continuing to mesh with certain of the gears on the other one of said pair of shafts.

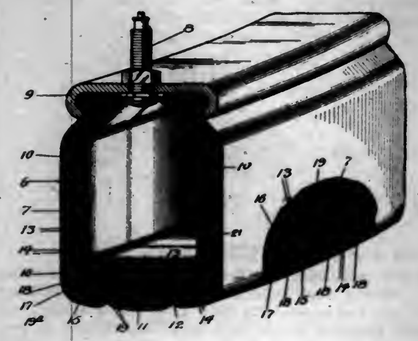
1,481,487. ADDING AND LISTING MACHINE. OSCAR J. SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,241. 12 Claims. (Cl. 101—93.)

1. A ten-key adding machine having, in combination, a keyboard, a group of vertically reciprocatory type bars located rearwardly of the keyboard, each of the two type bars at the left-hand side of the group carrying special type which are useful in statement work, each of said special type bars having attached to its lower portion a forwardly extending arm, an upwardly extending pin connected to the forward end of each of said arms, said pins being guided for vertical movement, two vertically disposed plates arranged at the left-hand side of the keyboard for sliding movement forward and back above the upper ends of said pins, the lower edges of said plates being stepped to limit rising movement of the special type



bars, a finger piece rigidly secured to each of said plates for sliding the latter, and means for yieldingly holding each plate in the position to which it has been slid.

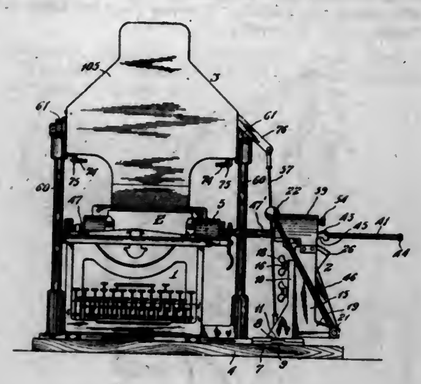
1,481,488. TIRE. NATHAN L. TOBIN, Chicago, Ill. Filed Jan. 22, 1923. Serial No. 614,129. 1 Claim. (Cl. 152—18.)



In a tire, a tire casing, comprising a generally channel shaped vulcanized body portion composed of layers of fabric and rubber, the bottom of the channel extending across in straight lines from wall to wall of the body portion, and an armored band contained in the tread portion of the casing between said layers of fabric, and having overlapping, flat, non-contacting metal plates embedded in rubber between fabric strips and riveted to said fabric strips to prevent any appreciable movement between said plates, said plates and fabric strips extending in straight lines across the tread portion from wall to wall, and each plate overlying an adjacent one and underlying another adjacent one.

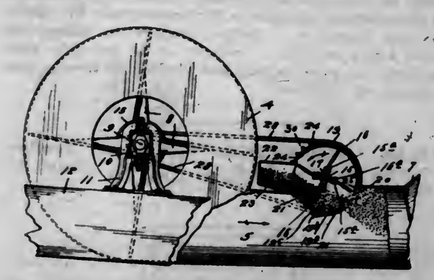
1,481,489. MACHINE FOR FEEDING ENVELOPES TO TYPEWRITING MACHINES. GEORGE T. TAUNDLE, Jr., Cleveland, Ohio, assignor to The American Speed-O-Feeder Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 21, 1921. Serial No. 438,911. 17 Claims. (Cl. 197—130.)

1. The combination of a typewriting machine; a work-feeding device adapted to supply work-members successively to said machine; and reciprocating means connected with the typewriter carriage and with said feeding device so as to actuate the latter; said reciprocating



means being arranged so as to effect the actuation of said feeding means during one stroke and the rotation of the carriage platen during its other stroke.

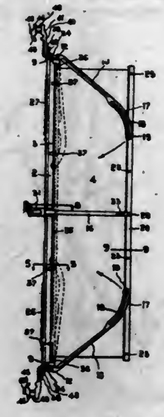
1,481,490. PNEUMATIC ELEVATOR. TIMOTHY C. VAUGHN, Morris, Minn. Filed June 22, 1921. Serial No. 479,550. 8 Claims. (Cl. 302—38.)



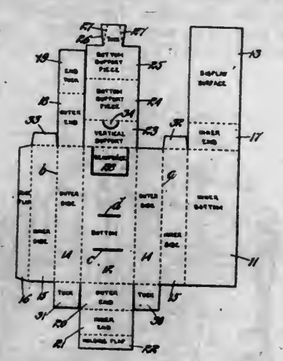
1. In a pneumatic elevator, the combination with a stack, of means for delivering a blast of air into the stack, a housing extending into the stack and contracting the same and having a discharge opening into the stack forward of the contracted portion thereof, means for delivering grain to the housing, paddle blades in the housing, and means for moving the paddle blades in a direction to deliver grain to said discharge, said housing having an air vent rearward of its discharge and exposed to the blast of air.

1,481,491. WINDSHIELD ATTACHMENT. JOSEPH HIRSCH VINEBERG and JOSEPH PRESNER, Montreal, Quebec, Canada. Filed Feb. 8, 1921. Serial No. 443,466. 8 Claims. (Cl. 296—95.)

1. A storm and sun shield comprising a roller, a blind wound upon the roller, lever arms one end of each being pivoted at the ends of the roller and having their opposite ends in operative engagement with the forward end of the blind said arms being adapted to assume positions parallel to the roller when the blind is withdrawn and to extend parallel to the plane of the blind and beneath the same when the blind is extended, resilient means operatively connecting the lever arms together to maintain the same yieldingly in extended position, and manually operated means for withdrawing the blind.



1,481,492. PAPER BOX. HAROLD RAYMOND WARREN, Boston, Mass., assignor to P. R. Warren Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 23, 1919. Serial No. 292,009. 8 Claims. (Cl. 206—44.)

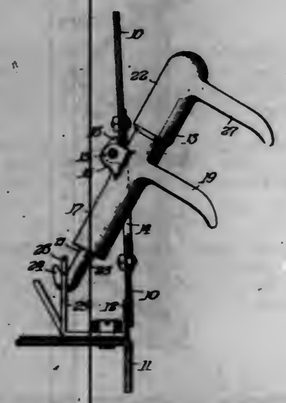


1. The improved knockdown box formed from a single blank of material with an outer bottom, inner and outer sides, an inner bottom, an inner end secured to one end of the inner bottom, tucks secured to said inner sides, an outer end and tuck secured to said outer side, and a display surface secured to the inner end, said inner end projecting upwardly between the outer end and said tucks.

1,481,493. HOOD LATCH. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1921. Serial No. 458,184. 13 Claims. (Cl. 292—114.)

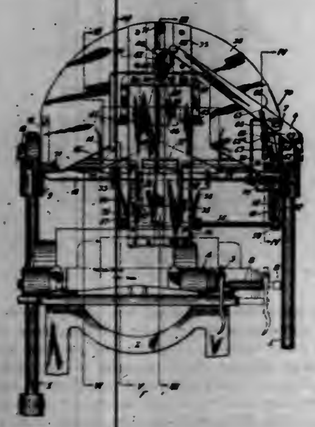
1. In a hood latch, a guiding member, a keeper, a keeper-engaging member adapted to move longitudinally of said guiding member and provided at its lower end with a hook, yieldable means tending to maintain said keeper-

engaging member in the position in its longitudinal movement most removed from the keeper, and cooperating handles associated with said keeper-engaging member and guiding member for moving the former relative to the latter against the resistance of said means, said handles



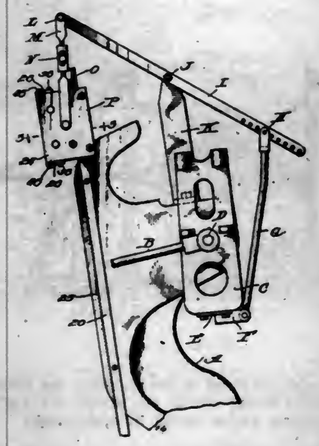
providing when thus moved a handle structure by means of which the movable hood structure mounting the latch may be moved outwardly and upwardly without releasing the pressure of the yieldable means acting on the handles.

1,481,494. ENVELOPE FEEDER FOR TYPEWRITER MACHINES. HARRY L. WOOD, Cleveland, Ohio, assignor to The American Speed-O-Feeder Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 5, 1921. Serial No. 519,874. 20 Claims. (Cl. 197—130.)



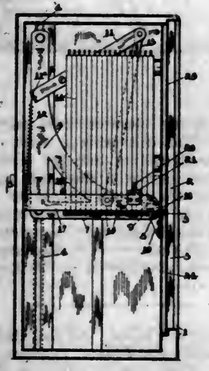
1. In a work feeding device for typewriting machines, a magazine adapted to receive a stack of work sheets on edge; an upright plate at the front end of said magazine; a primary feeding member reciprocably mounted upon said plate; means for reciprocating said primary feeding member; and a secondary feeding member mounted independently of and behind said plate, said secondary feeding member being controlled by said primary feeding member.

1,481,495. PRINTING-PRESS ATTACHMENT. HERMAN A. AGRICOLA, Jr., Atlanta, Ga., assignor of one-fourth to Joseph E. Lane and twenty-four per cent to H. Y. Garrett, both of Atlanta, Ga. Filed Oct. 30, 1920, Serial No. 420,627. Renewed June 20, 1923. 10 Claims. (Cl. 101—194.)



2. In combination with a printing press, a carriage adapted for reciprocation thereon, a chase mounted on the press, a plurality of tracks arranged in parallelism upon opposite sides of the chase, each track being formed with a depression having a prearranged length and location to provide in effect a cam, an ink supply mounted on the carriage, and means for transferring the ink to the type including a device arranged to engage the tracks and permitting a transfer of the ink only when the device is seated within said depressions therein, substantially as described.

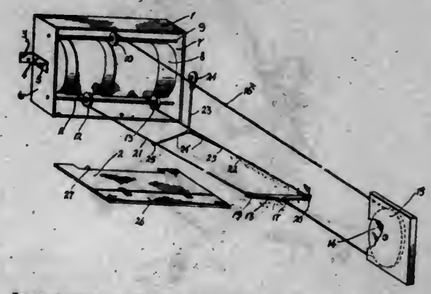
1,481,496. ACCOUNT FILE. WILSON BARR, Hamilton, Ontario, Canada. Filed Oct. 3, 1922. Serial No. 592,173. 7 Claims. (Cl. 45—2.)



1. In an account file the combination of a cabinet open at the front; vertically movable table supporting means; a table hinged on said supporting means so that it may be held in a horizontal position or swung up to a vertical position when the leaves are vertical; a plurality of account holding leaves hinged together to form a book; a pivotal connection between the front of the book and the

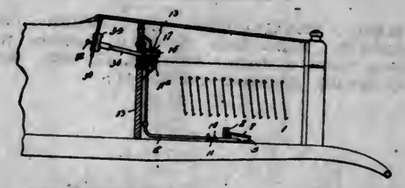
table; means for supporting the back leaf of the book; a restraining bar at each side of the cabinet; pins projecting from the hinges of the leaves engaging beneath said bars; and means tending to raise the table supporting means.

1,481,497. ROLLER WASHLINE. JOHN BETZ, St. Cloud, Minn. Filed Dec. 31, 1921. Serial No. 526,118. 1 Claim. (Cl. 68—3.)



In a device of the character described, a pair of wash lines disposed in parallel relation to one another, a cable disposed over said wash lines and arranged to move said wash lines longitudinally when said cable is moved longitudinally, and a supporting hanger movably disposed on said cable, said hanger having hook members for slidably supporting said wash lines.

1,481,498. UNDER-HOOD LOCK FOR AUTOMOBILES. LAWRENCE C. BOGGESS, Fairview, W. Va., assignor of one-half to Gaylord S. Basnett, Fairview, W. Va. Filed Sept. 15, 1922. Serial No. 588,315. 2 Claims. (Cl. 180—82.)



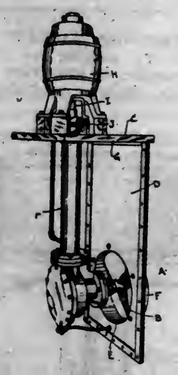
1. In an automobile, the combination of a hood having a movable section whereby access is afforded to its interior, means within the hood and including a movable member to fasten said section in closed position, a movable exposed handle connected with said movable member of the fastening means, a spring to move said movable member in one direction, a key-controlled lock to engage and secure said handle against movement under the impulse of said spring, a terminal of an ignition circuit within the hood, and a second terminal of said circuit within the hood and connected and movable with said exposed handle and arranged to rest out of contact with the first-named terminal when said movable member of the fastening means is in position to secure the movable hood section in closed position.

1,481,499. FOUNTAIN BRUSH. ANTONIO BONGIOVANNI, Barnesboro, Pa. Filed Aug. 16, 1922. Serial No. 582,180. 2 Claims. (Cl. 15—188.)

1. A fountain brush comprising a hollow base member a tubular handle constituting a reservoir having a removable closure cap at its upper end and its lower end connected to the base member, an apertured partition plate in the base member transversely of the lower end of the reservoir, an apertured valve plate coacting with the partition plate to control flow of material from the reservoir, a removable perforated brush block having bristles and fitted into the lower end of the body member, a brush retaining sleeve engaging the block and having detachable connection with the lower end of the body member to permit removal of said brush, and a rubber washer located in the base member between the block and the valve plate.



1,481,500. BRINE-CIRCULATING APPARATUS FOR ICE MACHINES. GEORGE B. BRIGHT, Detroit, Mich., assignor to Detroit Ice Machine Co., Detroit, Mich., a Corporation of Michigan. Filed Aug. 21, 1922. Serial No. 583,334. 5 Claims. (Cl. 259—110.)

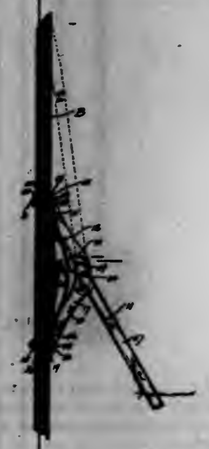


1. The combination with a brine tank, of an impeller unit detachably engaging said tank and comprising an apertured panel, an impeller operating in the aperture of said panel, a motor arranged at the upper end of said panel, a transmission between said motor and impeller, and guides within said tank for receiving and holding said panel.

1,481,501. DOORCHECK. MARSHALL R. BRITTEN and CHESTER K. BRITTEN, Grants Pass, Oreg. Filed July 24, 1922. Serial No. 577,145. 2 Claims. (Cl. 292—338.)

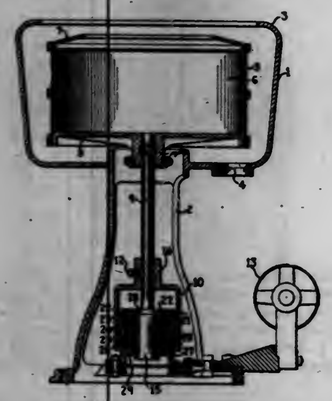
1. A door check, comprising an attaching bracket including a relatively flat plate provided with side walls extending outwardly substantially at right angles thereto throughout the length of said plate, said walls being of

greatest width intermediate the ends of said plate, a pin member connected transversely between said side walls and in spaced relation directly opposite the plate substantially midway of its ends, a retaining lever pivoted to said pin and including an elongated portion extending outwardly from said attaching bracket and having a rounded cam head portion extending opposite from said elongated por-



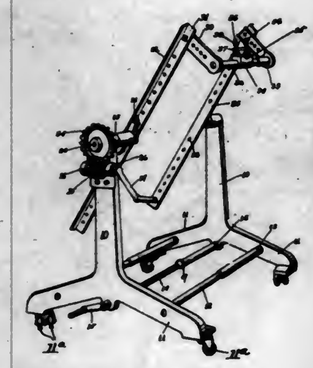
tion of said lever into said attaching bracket intermediate the side flanges thereof, a bowed spring having the ends thereof in sliding engagement with the plate of said attaching bracket and the bowed central portion thereof in engagement with said cam head of the lever for normally maintaining said lever in a position in which the same is set.

1,481,502. CENTRIFUGAL MACHINE. TANDY A. BRYSON, Troy, N. Y., assignor to Tolhurst Machine Works, a Corporation of New York. Filed June 12, 1920. Serial No. 388,658. 11 Claims. (Cl. 64—48.)



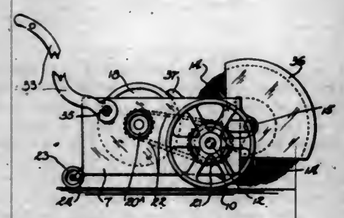
7. A centrifugal extractor including in combination a basket, a shaft, a casing, a resilient member fitted within the casing about the shaft against radial displacement to constitute a resilient center of gyration, a plurality of friction plates radially slidable one upon and relatively to another, a housing in which the shaft is journaled and a supporting flange carried by the housing, the flange resting on the topmost friction plate.

1,481,503. REPAIR STAND FOR MOTORS. JOSEPH SINCLAIR CARSWELL and AMIL RAY HAMMOND, Boone, Iowa. Filed Sept. 24, 1920. Serial No. 412,606. 4 Claims. (Cl. 29—89.)



2. A motor stand of the character described, comprising two side members, means for adjustably securing them in position relative to each other, two side bars pivotally supported to said sides, one being pivotally connected with each of said side members, a bracket adjustably supported at one end of each side bar, a tube connected to one of said brackets, and a tube connected to the other bracket, and telescopically and slidingly connected with each other, a bracket loosely mounted on one of said tubes, and means for securing a motor shaft to said latter bracket.

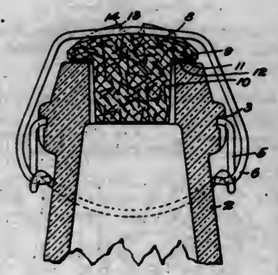
1,481,504. TENNIS-COURT AND OTHER LINE MARKER. FRANK KMAE CHISHOLM, Goulburn, New South Wales, Australia. Filed Oct. 13, 1922. Serial No. 594,295. 5 Claims. (Cl. 91—44.)



1. In a portable line marking machine for tennis courts and the like, a liquid receptacle, a feed wheel adapted to revolve therein, an inclined member in contact with and extending below said wheel, a rotatable brush in contact with said member and adapted to project liquid on to the ground from the bristles leaving the end thereof.

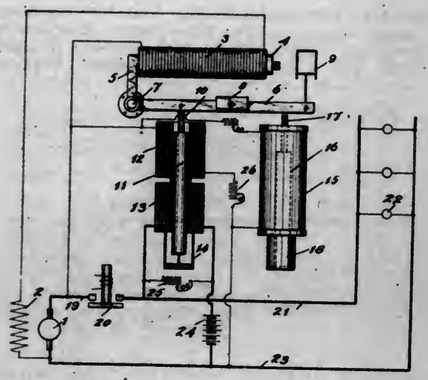
1,481,505. POROUS STOPPER AND METHOD OF MAKING SAME. MAURICE F. CRASS, East Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 1, 1921. Serial No. 504,605. 5 Claims. (Cl. 215—48.)

1. In a method of making porous stoppers, the steps which consist in intimately mixing finely divided acid-resisting material with finely divided combustible material, molding the mixture to the desired shape, and then firing



the same, whereby the combustible material is removed from the mixture.

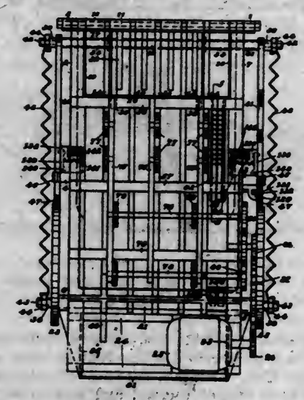
1,481,506. ELECTRIC REGULATION. JOHN L. CREVELING, White Plains, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Apr. 9, 1917, Serial No. 160,718. Renewed Apr. 25, 1923. 9 Claims. (Cl. 171—313.)



3. The combination with a generator, of a regulator having a plurality of actuating coils and means cooperating therewith whereby when one coil is inert the other coil tends to increase the generator output and when both coils are energized their mutual effect tends to limit the generator output.

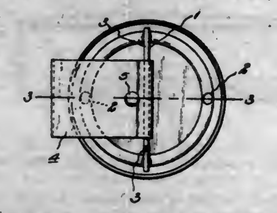
1,481,507. SELECTOR MECHANISM. HOWARD C. EINSTEIN, Cleveland, Ohio. Filed June 23, 1922. Serial No. 570,467. 14 Claims. (Cl. 83—92.)

1. In a card selecting mechanism, the combination of means adapted to receive a guide card bearing certain perforations therein, said means also being adapted to pass therethrough a series of data cards also bearing various perforations, means including elements engaging in certain perforations on said guide card, said elements being adapted to engage in predetermined perforations in one of said data cards, a receiving hopper actuated by said means upon engagement of said elements, and said



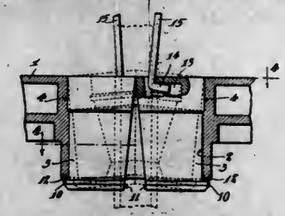
hopper being rendered operative to receive one of said data cards upon the engagement of said elements in the desired predetermined perforations therein.

1,481,508. ROOFING-CEMENT SPREADER. CHESTER A. HARRIS, North Evans, N. Y., assignor to Daniel B. Forbush, Gowanda, N. Y. Filed Feb. 23, 1922. Serial No. 538,594. 4 Claims. (Cl. 91—67.4.)



1. In combination with a container having a pair of diametrically arranged holes in one end, a spreader hingedly connected with the perforated end of the container so that it can be used with either hole.

1,481,509. TABLE BUSHING. ARTHUR J. HODGE, Lomita, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Mar. 10, 1923. Serial No. 624,172. 8 Claims. (Cl. 285—23.)



1. In a device of the nature disclosed, the combination of a rotary drill table having a vertical bore, and opposed split coengaging table-bushing members adapted to seat within said bore and engage beneath an under surface of the table to prevent a vertical displacement of said members from normal position, the opposed diametric surfaces of the members being angled downwardly and outwardly to permit a tilting of one or both of the members from beneath said under surface of the table whereby said members may subsequently be removed.

1,481,510. JOURNAL-BOX COVER. LEIGH W. HOSTETTLER, Tarentum, Pa., assignor to Allegheny Steel Company, Brackenridge, Pa., a Corporation of Pennsylvania. Filed Mar. 29, 1922. Serial No. 547,707. 7 Claims. (Cl. 220—35.)



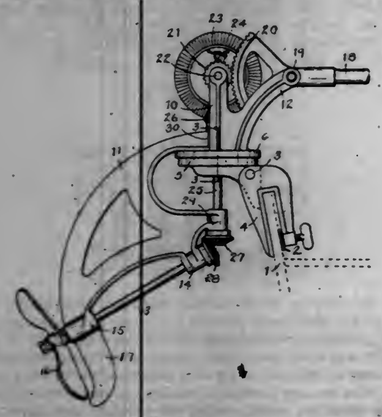
1. A journal box lid comprising a body portion, a spring attached thereto for cooperation with a journal box to selectively maintain said lid in open and closed positions with respect thereto, and means for relieving said spring of strain adjacent to its point of attachment to said body portion caused by the flexing of said spring.

1,481,511. VANITY BOX. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 13, 1923. Serial No. 662,394. 14 Claims. (Cl. 132—83.)



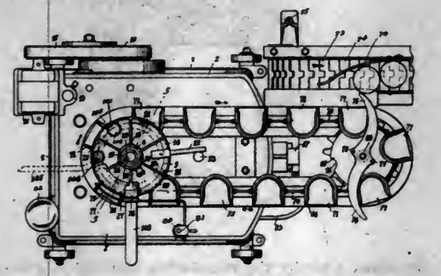
1. A vanity box comprising a body, a cover and a strip for retaining a compact in said body, said strip fitting against the side walls of said body with its ends against abutments and having spring-fingers against and below which the compact may be forced, said fingers serving to retain the compact in position.

1,481,512. BOAT PROPELLER. GEORGE C. KELLY, Kalamazoo, Mich. Filed June 18, 1923. Serial No. 646,115. 8 Claims. (Cl. 115—18.)



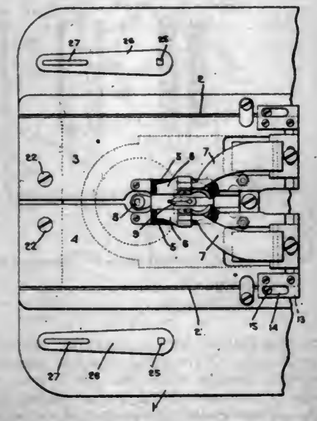
8. In a boat propeller, the combination of a frame, a propeller shaft mounted on said frame and provided with a propeller, a driving lever mounted on said frame, said lever being provided with a segment, a driving gear mounted on said frame to coact with said segment, a driven gear provided with a reversible pawl coacting with said driving gear, and driving connections for said driven gear and propeller shaft.

1,481,513. FILLING MACHINE. KARL KIEFER, Cincinnati, Ohio. Filed Feb. 20, 1919. Serial No. 278,287. 7 Claims. (Cl. 226—95.)



1. In a filling machine, filling means comprising members continuously moving relatively and provided, respectively, with passages adapted to register, the passage in one member being elongated in the direction of the relative movement, and measuring means having a discharge passage connected with the passage of one of said members and comprising a plunger and a crank causing a complete gradual discharging stroke of said plunger while said passages are in registry.

1,481,514. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Aug. 8, 1922. Serial No. 580,571. 4 Claims. (Cl. 112—74.)



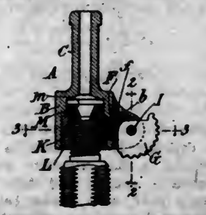
1. In a sewing machine having a bed plate, work-holding means carried thereby and comprising two clamp-plates capable of separating movement to spread the button-hole slit, a throat plate, said work-holding means and throat plate having a relative movement from button-hole cutting position to stitching position, and a spreader by which the clamp-plates are separated to a predetermined point during such relative movement, the combination with said clamp-plates and spreader, of a positioning device for determining the initial position of each clamp-plate and a swinging arm operating parallel to but above the bed plate and by which each positioning device is adjusted.

1,481,515. WASHER. HENRY P. KRAFT, Ridgewood, N. J. Filed Dec. 19, 1919. Serial No. 346,016. 5 Claims. (Cl. 85—50.)



1. A washer having a central web portion and a marginal beaded portion extending on each side beyond the web portion.

1,481,516. PUMP COUPLING. HENRY PHILLIP KRAFT, Ridgewood, N. J. Filed Aug. 5, 1921. Serial No. 490,175. 4 Claims. (Cl. 285—150.)



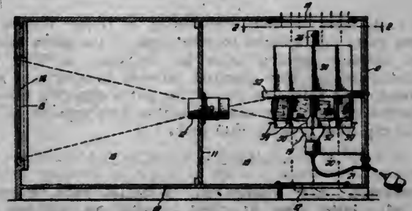
1. A pump coupling or the like comprising a shank, a body portion having a recess therein, a dog movable in said recess, and a sleeve within the body portion, said body portion being formed of easily castable metal and the dog and sleeve being formed of non-oxidizable wear resisting metal.

1,481,517. FUSE PULLER AND REPLACER. WILLIAM D. KURZ, Appleton, Wis. Filed Apr. 13, 1922. Serial No. 552,300. 3 Claims. (Cl. 81—3.)



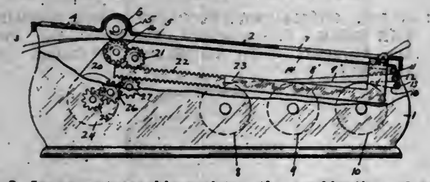
1. In a fuse puller and replacer, like plier members of high insulating material, said plier members having a plurality of opposite concave portions at each end of the pliers, said concave portions being of different sizes suitable for operating on all standard-sized fuses, and a plurality of spaced opposite grooves in the pliers of suitable size for holding wires when making joints on live wires.

1,481,518. AUTOMATICALLY-ROTATING TRANSPARENCY-DISPLAYING LANTERN. FRANK MCLENNAN LENNARD, Darlinghurst, near Sydney, New South Wales, Australia. Filed Sept. 11, 1922. Serial No. 587,525. 4 Claims. (Cl. 88—27.)



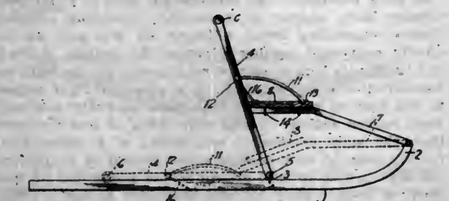
1. In a display lantern having a slide carrier and a lamp located within it with means dependent on convection air currents to procure rotation of said carrier, means for momentarily arresting the rotation of the carrier to offer a still view of the slides, consisting of one or more pendent tappets rotatably hung from a fixed member in the path of movement of strikers fixed to the carrier and engageable by said strikers.

1,481,519. AUTOGRAPHIC REGISTER. MURDOCK MACDONALD, Cleveland, Ohio. Filed May 12, 1920. Serial No. 380,711. 7 Claims. (Cl. 282—16.)



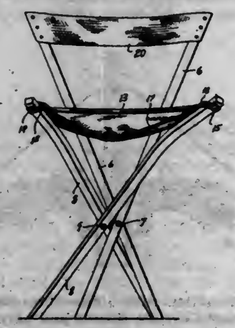
2. In an autographic register, the combination of an enclosing casing, a plurality of paper-carrying rollers mounted in said casing, a pair of paper-discharge rolls mounted in said casing, a reciprocably mounted longitudinal carriage movable toward and away from said discharge rolls, the paper from said carrying rolls passing over said carriage and between said discharge rolls, means mounted at one end of the carriage adapted to actuate one of said discharge rolls, and means mounted at the other end of said carriage adapted to grip the paper and move the same with said carriage in its forward movement.

1,481,520. SLED. WALTER MAKI, Detroit, Mich. Filed Feb. 23, 1922. Serial No. 538,641. 1 Claim. (Cl. 280—23.)



In a sled, runners, standards pivotally carried thereby, a cross bar connecting said standards, a frame pivoted to the ends of said runners and adapted for releasable supporting engagement with said standards, a seat carried by said frame, and means carried by said cross bar for engagement with opposite ends of said seat whereby the same and said frame are retained in operative position, said means comprising a spring arm terminally bearing upon the seat.

1,481,521. FOLDING STOOL AND CHAIR. WILLARD E. MARSH, Memphis, Tenn. Filed Dec. 21, 1921. Serial No. 523,997. 2 Claims. (Cl. 155—136.)



1. A foldable stool or chair comprising legs arranged in pairs, the legs of each pair being connected together

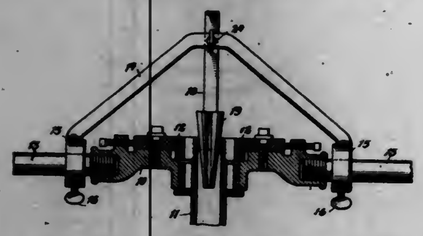
at their center portions, a pivot pin for connecting pairs of pivoted legs at the center of the pairs of legs thereby adapting the stool or chair to be folded into an elongated package, a seat-piece carried by the legs, and a frame extension to form a back rest.

1,481,522. CONTAINER AND PROCESS FOR FORMING THE SAME. VICTOR MAUCK, Norristown, Pa. Filed Aug. 22, 1922. Serial No. 583,539. 12 Claims. (Cl. 220—66.)



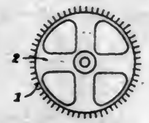
1. In a container, the combination with a cylindrical tubular body, having an outwardly extending annular closure supporting flange adjacent its top, and an inwardly converged portion adjacent the bottom thereof, and having its bottom edge curved outwardly, to form an annular groove in said body in a plane at right angles to the axis of said body; both said inwardly and outward curved regions of said body being of less diameter than the main portion of said body; of a chime reinforcing ring, of toric configuration, formed of a cylindrical wire, seated in said groove at the lower end of said body; a bottom plate for said container having a cylindrical portion fitted in said body and a portion extending transversely to said body, said cylindrical and transversely extending portions of said bottom plate forming a sharp cornered annular ridge abutting the inner surface of said body, whereby a smoothly continuous curved surface is formed upon the interior of said container at the junction of said bottom plate and body; said bottom plate having a cylindrical flange upturned exterior to said body, forming a substantially continuous cylindrical surface therewith.

1,481,523. REAMER ATTACHMENT FOR DIESTOCKS. GEORGE A. MEIERS, New York, N. Y. Filed Jan. 24, 1922. Serial No. 531,321. 2 Claims. (Cl. 77—73.)



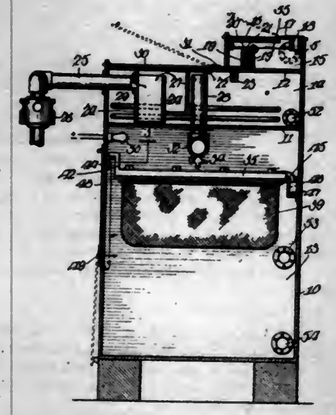
1. The combination with a pipe threading die-stock, of a yoke detachably secured thereto and having a polygonal hole therethrough in alignment with the die-stock, a reamer having a stem of cross-sectional form corresponding to that of said hole, said stem and one wall of said hole having coacting transversely extending teeth of a spacing substantially equal to the spacing of the threads to be cut by the die, and means for holding the stem with its teeth in locking engagement with those of the hole, and in endwise adjusted position in accordance with the number of threads to be cut, said hole being slightly larger than said stem, whereby upon release of said last mentioned means said stem may be moved freely through said hole.

1,481,524. MACHINE FOR STRETCHING HIDES AND SKINS. DANIEL MERCIER, Annonay, France. Filed Jan. 27, 1921. Serial No. 440,304. 3 Claims. (Cl. 149—14.)



3. A working drum for stretching hides and skins comprising a cylinder having slots in its periphery and blades comprising a flat straight portion, a part of which is adapted to engage said slots and an outer corrugated working part, said blades being arranged in a radial direction and having a general direction parallel to the axis of said cylinder.

1,481,525. OIL-PURIFYING MECHANISM. WILLIAM W. NUGENT, Chicago, Ill. Filed Feb. 23, 1918. Serial No. 218,643. 7 Claims. (Cl. 210—43.)

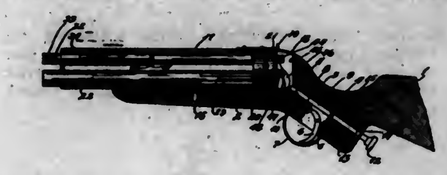


1. A filter element comprising a frame formed in two parts and secured together, one of the parts having an overflow opening below its top edge; a filter bag having its top edge clamped between the parts of said frame; and points on one of the parts engaging the top portion of the filter bag preventing displacement of the bag top from between said parts.

1,481,526. AIR SHOTGUN. WILLIAM PAUL, Beecher, Ill. Filed Mar. 31, 1923. Serial No. 628,980. 9 Claims. (Cl. 124—8.)

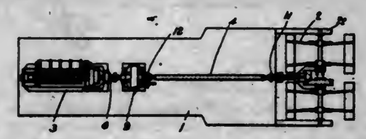
1. An air shot gun comprising a stock, an air casing mounted thereon, an air pump connected with the casing for pumping air into said casing, a tube fixed in said casing, a control valve closing the inner end of said

tube, a barrel removably engaged in said tube for carrying a bullet to be fired, a resilient tube for holding said valve in closed position, a valve operating mechanism connected with the valve, a trigger in said stock, and a spring controlled cocking member adapted to be oper-



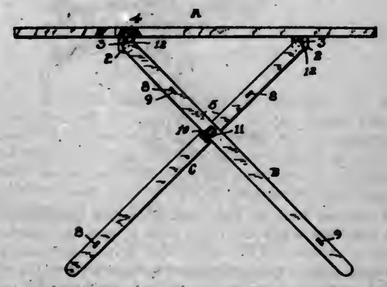
ated to cock the trigger and when the trigger is pulled to actuate the valve operating mechanism to open the control valve to permit only a predetermined charge of compressed air to be discharge from the air casing to fire the shot.

1,481,527. DRIVE MECHANISM FOR PADDLE WHEELS OF BOATS. LUTHER T. PEARSALL and WARREN ELSEY, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 632,963. 4 Claims. (Cl. 115—54.)



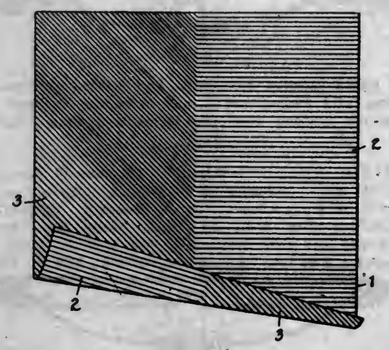
1. In a power-driven boat the combination with the hull of the boat, brackets extending from the hull, and a paddle-wheel rotatable in bearings borne by said brackets, of an engine having a rotary power shaft carried by the boat, a floating bridge member spanning the space between the hull and paddle-wheel axle and sustained by said paddle-wheel axle, a transmission shaft journalled upon said bridge member, means for imparting rotation from the engine shaft to the transmission shaft, and means for imparting rotation from the transmission shaft to the paddle-wheel axle.

1,481,528. IRONING-TABLE STRUCTURE. BENJAMIN F. BAIN, Pittsburgh, Pa., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 4, 1922. Serial No. 541,191. 2 Claims. (Cl. 68—10.)



1. An ironing table structure comprising a board detachably mounted on a pair of resilient supports disposed in crossed relation, one of said supports being provided with projections which are sprung laterally into engagement with corresponding sockets in the other support, and the upper ends of said supports being provided with angular projections which are sprung laterally into engagement with sockets on said board, for the purposes described.

1,481,529. PAPER. PHILIP G. BALTZ, Chicago, Ill., and CLARENCE O. THORNE, Watervliet, Mich. Filed Apr. 14, 1923. Serial No. 632,162. 5 Claims. (Cl. 91—68.)



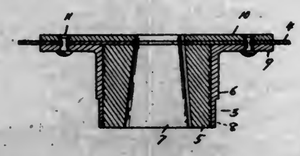
5. A sheet or web of paper having corresponding portions of each side correspondingly colored so that first one side of the sheet and then the other may be presented to a press with the colors in the same relation at each presentation.

1,481,530. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich. Filed Jan. 2, 1923. Serial No. 610,366. 9 Claims. (Cl. 74—33.)



1. In a wheel, the combination with a hub, of projections upon said hub, arms secured to said projections, a rim carried by said arms, and coverings molded upon said arms and projections.

1,481,531. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Sept. 20, 1922, Serial No. 589,475. Divided and this application filed May 21, 1923. Serial No. 640,589. 8 Claims. (Cl. 74—33.)

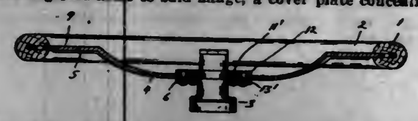


1. A steering wheel comprising a hub including a core having a bore, ribs formed on said core, a shell gripping said core and ribs, radially extending projections on said shell, arms secured to said projections, and a rim carried by said arms.

1,481,532. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Sept. 20, 1922, Serial No. 589,475. Divided and this application filed May 21, 1923. Serial No. 640,590. 3 Claims. (Cl. 74—33.)

1. A steering wheel comprising a hub having an integral flange at one end, radially extending arms arranged

upon said flange, a rim carried by said arms, means for securing said arms to said flange, a cover plate concealing



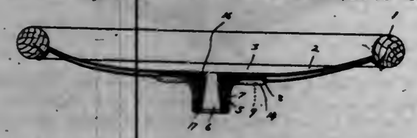
the joints between said arms and having portions engaging said flange, and means extending through said arms for securing said plate, arms, and flange together.

1,481,533. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Sept. 20, 1922. Serial No. 589,475. Divided and this application filed May 21, 1923. Serial No. 640,591. 6 Claims. (Cl. 74—33.)



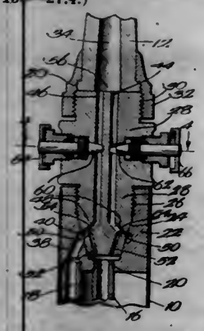
1. A steering wheel comprising a hub, an annular flange carried by said hub, said hub and flange having grooves of different depths formed therein, intersecting members engaging said grooves, a rim secured to said members, and means for securing said members to said flange.

1,481,534. STEERING WHEEL. CHARLES W. BECK, Detroit, Mich., assignor to Beck-Frost Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 18, 1923. Serial No. 646,223. 11 Claims. (Cl. 74—33.)



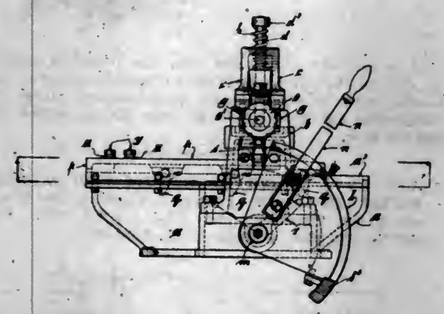
1. In a steering wheel, a hub having a shell and a core in said shell, a series of projections extending radially from said shell, and a series of spider arms carried by said projections.

1,481,535. WELDING TORCH. JOHN B. BURDETT, Glencoe, Ill. Filed Feb. 4, 1922. Serial No. 534,266. 14 Claims. (Cl. 158—27.4.)



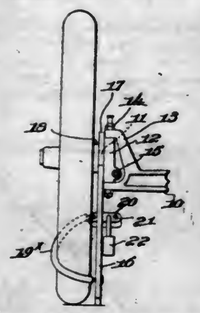
1. In a mechanism of the class described, a handle having two independent gas passages leading therethrough, a single gas passage, tip-carrying, delivery tube leading away from the handle, an independent separable gas control block interposed between the handle and the delivery tube, having a plurality of separated gas passages therethrough each communicating at one end with the delivery tube and at the other end with both of the passages in the handle, and selectively manipulatable means for closing one of said passages in the gas control block for the purposes set forth.

1,481,536. EMBOSSING AND LIKE MACHINE OR PRESS. ALEXANDER STIRLING BURNETT, Reddish, near Stockfort, and THOMAS COLLINS, Levenshulme, England. Filed Jan. 25, 1923. Serial No. 614,927. 4 Claims. (Cl. 101—3.)



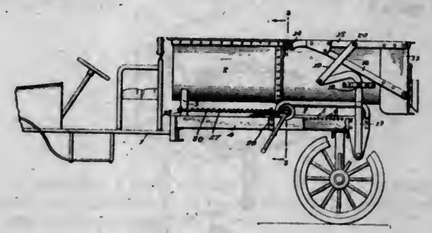
1. Presses for embossing cardboard, millboard or the like or for printing or like purposes comprising a frame on which is mounted a platen or press-head to which downward movement is imparted by inclined or cam-members on a horizontally sliding member or members, located between the platen and the head of the press, a cam or cams being provided to impart movement to the sliding member or members and the arrangement being such that the cams or inclined surfaces impart pressure evenly at a plurality of points over the area of the platen or press-head, substantially as described.

1,481,537. VEHICLE LOCK. GEORGE A. CARNEY, Boston, Mass. Filed Nov. 1, 1921. Serial No. 512,150. 1 Claim. (Cl. 70—90.)



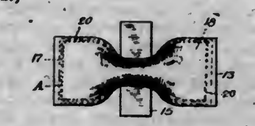
A vehicle lock of the class described consisting of a one piece brace bar having a fork at one end thereof the tynes of which are of appreciable length and adapted to straddle a stationary spindle of a vehicle wheel; a vehicle wheel; a chain, one end of which is permanently secured to the bar adjacent the other end thereof at a point outside the radius of said wheel, said bar having an opening intermediate said fork and the secured end of said chain at a point adjacent the inner periphery of said wheel, a block, having holes therein, secured to the other end of said chain and adapted to enter said bar opening, said chain embracing said wheel tire in a manner whereby radial dislodgement of the forked end of said bar is prevented; and a lock to retain said block in said opening.

1,481,538. DUMPING TRUCK. LEONARD CROOKE, Hagerstown, Md. Filed Feb. 1, 1923. Serial No. 616,238. 4 Claims. (Cl. 298—14.)



1. In a dumping truck or vehicle, the combination with a body and frame, of a pinion shaft journalled in bearings attached to the central part of the body and forming the axis about which the body turns when tipped, and parallel rack bars mounted on the frame with which pinions on said shaft engage and means for retaining the pinions in engagement with the rack bars at all times.

1,481,539. NECKTIE. SIGMUND DEICHES, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 601,995. 3 Claims. (Cl. 2—82.)



1. In a bow necktie, folded front and back wing pieces, a closed fabric envelope contained in the front piece and conforming to the shape thereof, a bendable, rectangular wire loop contained in said envelope and conforming to the shape thereof, and a band around the middle of said wing pieces.

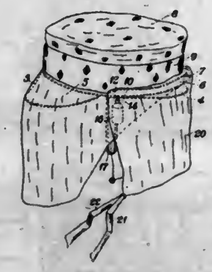
1,481,540. BRAKE-BEAM SUPPORT. FREDERIC T. DE LONG, Chicago, Ill., and ARTHUR W. HAWKINS, Muskegon, Mich., assignors to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1922. Serial No. 585,509. 21 Claims. (Cl. 188—218.)



9. In a brake beam support, an inwardly and downwardly inclined element secured to the brake beam, a member to be mounted on the truck spring plank, provided with a bearing for said element, said element and member being adapted to yieldingly resist rotation of the brake beam, and means for yieldingly resisting the application of the brake.

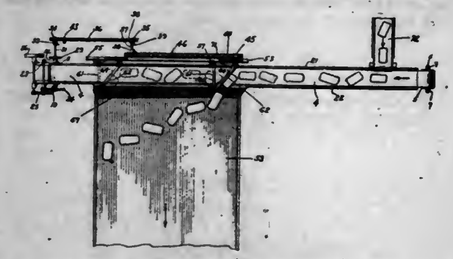
1,481,541. TRAVELING HEADDRESS. MARGARET EMILY RHODA DOUGLAS, London, England. Filed June 15, 1923. Serial No. 645,498. 2 Claims. (Cl. 2—116.)

1. A headdress comprising a crown, a band attached to the crown adjacent its lower edge, a wire attached to and encircling the lower edge of the band, a front peak and a rear peak attached to the lower edge of the band, a wire extending around the lower edge of the peaks, a semi-circular brim attached to the rear of the crown, a wire extending around the upper edge of the brim, a veil overlapping the front peak and having its



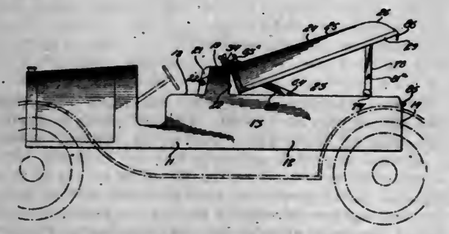
ends secured together at the rear of the crown, and a depending hood attached to the brim, overlapping the rear peak and covering the veil fastening means.

1,481,542. APPARATUS FOR UNLOADING CONVEYERS. GEORGE DUNSIETH, Jr., Ellwood City, Pa., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa., a Corporation of Pennsylvania. Filed Nov. 9, 1922. Serial No. 599,830. 8 Claims. (Cl. 198—31.)



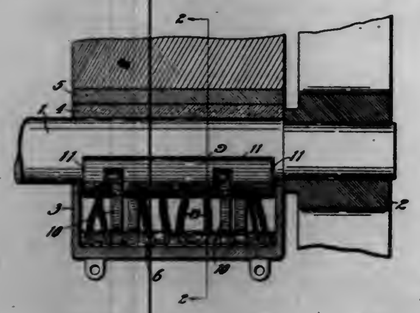
1. In a device of the class described, the combination, with a conveyer belt, and means for driving the same, of a transversely positioned deflecting plate arranged in proximity to the carrying surface of said conveyer belt, means for supporting said plate, and means for moving said plate longitudinally of the conveyer belt and in the opposite direction to the travel of said belt.

1,481,543. CONVERTIBLE VEHICLE BODY CONSTRUCTION. JOHN EKE, Philadelphia, Pa. Filed Jan. 19, 1922. Serial No. 530,254. 8 Claims. (Cl. 296—37.)



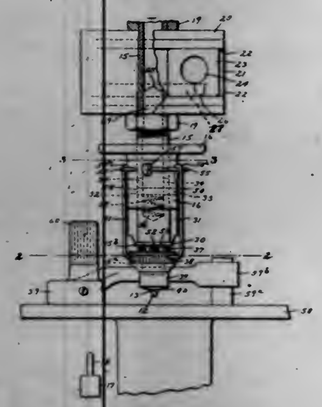
1. In a vehicle, a body providing an opening; a cover for the opening; supporting bars pivoted to the body; link bars pivoted, between their ends, to the supporting bars and having one end pivoted to the cover, and means on the other end for clamping them to the supporting bars.

1,481,544. LUBRICATOR. JOSEPH ELKINS, Blytheville, Ark. Filed Apr. 24, 1922. Serial No. 556,298. 3 Claims. (Cl. 64—24.)



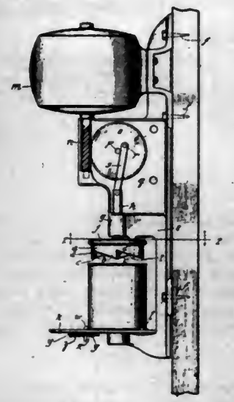
1. In a lubricant feeding device for a car journal box, an arcuate pan, a pad carried thereby, wicks depending from said pan into the bottom of the journal box, and yielding supporting means for said pad and pan comprising leaf springs secured to the sides of said pan extending diagonally downwardly therefrom to the opposite side of the reservoir and each terminating in an upwardly curved foot adapted to engage the bottom and one side of the journal box.

1,481,545. EYELET-SETTING MACHINE. ERNST F. H. ENNA, Copenhagen, Denmark. Filed Dec. 26, 1922. Serial No. 608,813. 6 Claims. (Cl. 218—14.1.)



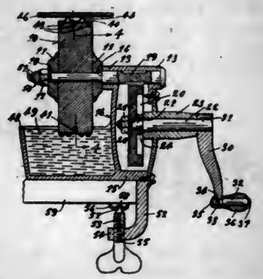
1. An eyelet-setting machine, comprising a setting member adapted to cooperate with an anvil in partly spreading an eyelet barrel inserted in adjacent layers, a hammer adapted to cooperate with the anvil and with a concealing layer in clenching the eyelet on one of said adjacent layers, means for depressing said setting member and hammer successively so that the partial spreading of the eyelet precedes the clenching thereof and the clenching is effected wholly at one side of the concealing layer, said means including a reciprocating plunger, a separable connection between the hammer and the said plunger, and means for alternately releasing the hammer from and positively connecting it with the plunger.

1,481,546. CAN OPENER. LEO BETHKE, Milwaukee, Wis., and HERBERT C. FOLLINGER, Chicago, Ill. Filed Dec. 22, 1920. Serial No. 432,409. 3 Claims. (Cl. 30—3.)



3. In a can opener, the combination with a frame, of a can support associated therewith, a plunger mounted to reciprocate in the frame above the support, a blade member carried by the plunger having a plurality of teeth, a drive shaft supported by the frame, a worm carried by said drive shaft, a worm gear wheel journaled on the frame, an eccentric pin carried by the worm gear wheel, a connection from the eccentric pin to the plunger, and means to rotate the vertical shaft.

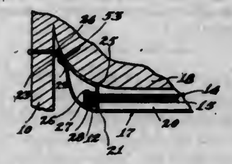
1,481,547. VEGETABLE-PEELING MACHINE. JOHN E. GARRETTE, Cincinnati, Ohio, assignor of one-half to George M. Luce, Chicago, Ill. Filed July 13, 1921. Serial No. 484,484. 1 Claim. (Cl. 146—49.)



In a vegetable peeling machine, a rotor, a band thereon having a plurality of cutting projections, a water reservoir, said projections adapted to contact said water, a curved vertically slotted guard mounted over said cutter, a forwardly projecting support in front of said guard and means to operate said rotor, substantially as set forth and for the purposes specified.

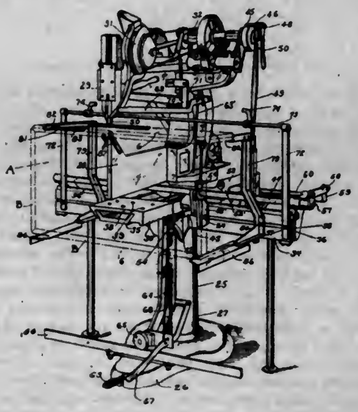
1,481,548. SAFETY WINDSHIELD CURTAIN. WILLIAM F. GONGAWARE, Ocean Park, Calif. Filed Nov. 21, 1921. Serial No. 516,821. 3 Claims. (Cl. 290—85.)

3. In a combination with a vehicle body, a windshield, a receptacle, a sheet of metal, having the end portions curved and flared to form a flange, the remaining end bent upon the flare and further bent to form a channel,



thus providing a guide-way for said windshield and said flange being perforated for the purpose of fastening said receptacle to a seat back.

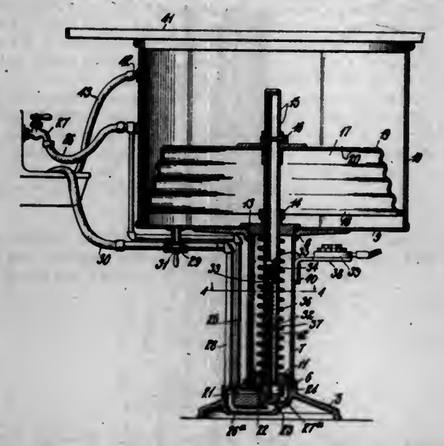
1,481,549. AUTOMATIC RIVETING MACHINE. FREDERICK J. GREENE, Racine, Wis. Filed June 25, 1920. Serial No. 391,794. 3 Claims. (Cl. 218—3.)



2. An automatic riveting machine, comprising a standard provided with riveting mechanism, a transversely extending guide member mounted on the standard, a rock shaft of rectangular shape in cross section carried by and extending longitudinally of the guide member, another shaft extending parallel thereto, a reciprocating member for rocking the last mentioned shaft, a link and arm connection between the two shafts for transmitting motion from one to the other, a slidable bar mounted on the guide member, a rack and dog and bell crank means for transmitting the reciprocal motion of the reciprocating member to an intermittent motion of the slidable bar, said slidable bar provided with an outwardly extending guide arm, a slidable member mounted on the arm, a rack and dog and arm connection between the rectangular in-cross-section-shaft and the last mentioned slidable member for transmitting the rocking movement of the shaft to an intermittent movement of the slidable member, said arm connection slidably engaging the rectangular in-cross-section-shaft, and means on said slidable member and said slidable bar to receive interchangeable trunk part holding frames.

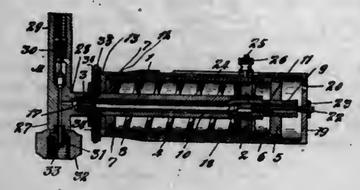
1,481,550. WASHING MACHINE. ALLEN E. HALL, Philadelphia, Pa., assignor, by mesne assignments, to Hall Wheel Corporation, a Corporation of Delaware. Filed Oct. 30, 1920. Serial No. 420,616. 9 Claims. (Cl. 68—15.)

1. A washing machine having a tank and an agitator in the tank, including means operative by liquid under pressure to move said agitator in the tank; a discharge conduit to discharge the liquid from said means; and means optionally operative for directing said liquid after



it has operated said first means, either into said tank so as to serve as a rinsing liquid or discharging it through said discharge conduit; substantially as described.

1,481,551. PRESSURE GAUGE. WILLIAM P. HAMMOND, Passaic, and THEODORE A. HAMMOND, Rutherford, N. J. Original application filed Apr. 29, 1910, Serial No. 558,413. Divided and this application filed Oct. 30, 1915. Serial No. 58,887. 2 Claims. (Cl. 152—11.5.)



1. A pressure gauge including a pair of telescoping elements constructed for cooperation with each other to form a pressure chamber adapted to be placed in communication with the interior of the tire, yielding means resisting the telescoping action of the elements caused by pressure within the chamber formed thereby, a nipple upon one of the telescoping elements for engagement with the valve casing of the tire, an inwardly opening check valve mounted upon the opposite telescoping element and adapted to place the pressure chamber in communication with the outer atmosphere, a jacket carried by the first mentioned telescoping element and adjustable with respect thereto, and an abutment upon the jacket for engaging and opening the check valve to release the pressure when a predetermined pressure is reached.

1,481,552. PUMP. LEWIS H. HANEY, Los Angeles, Calif., assignor to Standard Deep Well Pump Co., Inc., Los Angeles, Calif., a Corporation of California. Filed July 14, 1922. Serial No. 575,081. 8 Claims. (Cl. 103—90.)

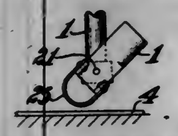
1. In a deep well pump, a coupling shell having a central fixed tubular bearing support, an elongated bushing fixed in said support, a short shaft rotatably mounted in the bushing, an impelling member having

a hub fixed upon each end of the short shaft, said impelling members each having a skirt thereon, said



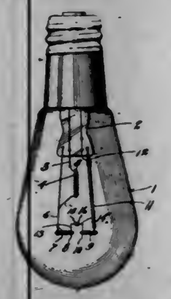
skirts surrounding end portions of the bushing, the external diameter of said skirts being substantially the same as the external diameter of the said hub.

1,481,553. QUICK-ACTING BOLT CLAMP. CHARLES V. HANSON, Fall City, Wash. Filed Oct. 20, 1921. Serial No. 509,156. 3 Claims. (Cl. 173—259.)



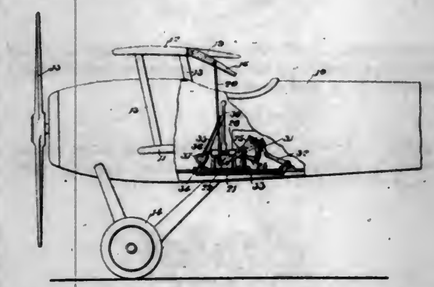
3. A quick acting bolt clamping device comprising a lever having wings pivoted at opposite sides of the bolt, and a resilient extension from one end of said lever adapted to engage the object to be held when the lever is alined with the bolt.

1,481,554. ELECTRIC-ARC LAMP. JOHN ALLEN HEANY, New York, N. Y., assignor to Heany Laboratories, Inc., New Haven, Conn., a Corporation of Connecticut. Filed June 11, 1917. Serial No. 174,106. 6 Claims. (Cl. 176—1.)



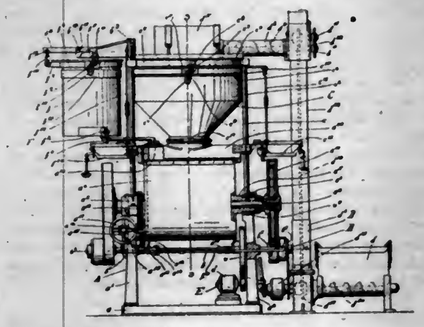
1. An arc lamp comprising a container, spaced electrodes therein, at least one of which is formed of a second class conductor, a heating element of highly refractory metal in intimate contact with said electrode, a normally closed shunt around the terminals of the electrodes and in series with the refractory heating element, and means to maintain said electrodes at proper arcing distance, said means being effective to break the shunt when the electrode is heated sufficiently to render the same conductive.

1,481,555. AIRPLANE CONSTRUCTION. WILLIAM F. HOLEKA, Sacramento, Calif. Filed Jan. 4, 1922. Serial No. 526,876. 2 Claims. (Cl. 244—29.)



1. In an airplane, a plane, a pair of ailerons mounted at the rear of said plane and disposed one at each end thereof, operating shafts carried by the plane and operatively connected to said ailerons to swing the same when said shafts are rotated, a pair of horizontally disposed aligned rock shafts journaled in the fuselage of the airplane, an operative connection between the outer ends of said rock shafts and said operating shafts whereby turning movement of said rock shafts will impart rotation to said operating shafts to swing the ailerons, a bevel gear segment secured at the inner end of each rock shaft, a bevel pinion interposed between said segments and in mesh therewith, a shaft upon which said pinion is fixed, a lever shaft connected to the pinion shaft to rotate the pinion when said lever shaft is rocked and thereby rotate the rock shafts in opposite directions, and lever operated means for swinging said pinion about the axis of said segments to rotate the rock shafts in the same direction.

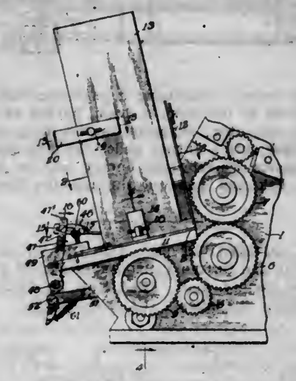
1,481,556. DOUGH MIXER. WILLIAM G. KIRCHHOFF, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 21, 1922. Serial No. 538,309. 5 Claims. (Cl. 107—4.)



5. In a device of the class described the combination of a dough mixer comprising a bin or trough, a mixer shaft extending revolubly thru the trough adapted to agitate the contents of the trough, gears mounted at both ends of the mixer shaft, a driven shaft having slots extending longitudinally of itself, gears mounted revolubly on the drive shaft, one each of which engages a gear on the mixer shaft, a clutch band fixedly connected with

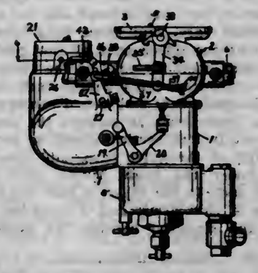
each of the second mentioned gears, clutch shoes fixedly mounted on the drive shaft one each adapted to bind upon one of the clutch bands, a gear revolubly mounted on each shoe, a shaft extending thru the last mentioned gear and adapted to revolve therewith the ends of the last mentioned shaft being threaded in opposite directions, blocks having threaded bores mounted on the opposite ends of said threaded shaft pivotally engaging the shoe, racks reciprocally mounted in the slots in the drive shaft each engaging one of the gears on the shoes, and a lever adapted to actuate the racks in such manner that each clutch shoe is brought into binding relation with its respective clutch band simultaneously with one another.

1,481,557. ENVELOPE-FEEDING MECHANISM. CLAUDE L. POST, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,892. 12 Claims. (Cl. 271—2.)



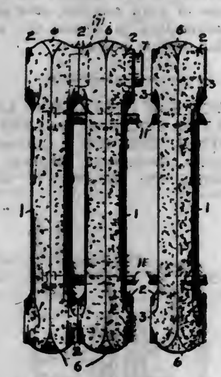
1. In a device of the kind described and in combination, an envelope magazine, means for feeding the bottom envelopes successively from said magazine laterally of the remaining envelopes, independently movable means insertable between said bottom envelope and the envelope immediately thereabove while said bottom envelope is being fed, and drive means for actuating both of said means in a predetermined manner.

1,481,558. CARBURETOR. EUGENE C. RICHARD, Flint, Mich. Filed Dec. 11, 1918. Serial No. 266,176. 5 Claims. (Cl. 261—12.)



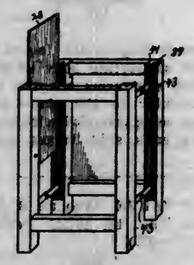
1. In a carbureter, the combination of a throttle valve provided with a stem projecting at the front of the carbureter, an arm on said stem, an air supply passage at one side of the carbureter provided with rearwardly offset hot and cold air inlets disposed in substantially the same plane, valves for said hot and cold air inlets provided with rearwardly projecting stems, the stem of one of said air inlet valves also projecting forwardly above the air supply passage which is provided with a bearing therefor, arms on the rearwardly projecting ends of said inlet valve stems, a link connecting said arms, said valves being disposed so that they are opened and closed alternately, an arm on the forwardly projecting stem, a link connected to such arm and slidably connected to said throttle valve arm, a spring disposed on said link of such strength as to actuate said air inlet valves and permit further actuation of the throttle valve, a heating member disposed in the carburetor in the path of the mixture, a heating medium connection for said heating member disposed above said air inlet passage, and a valve for said heating medium connection.

1,481,559. ENAMELED RADIATOR. ERNEST RICHARDSON, College Hill Borough, Pa. Filed July 5, 1921. Serial No. 482,303. 1 Claim. (Cl. 257—151.)



A unit for assembly in a radiator having a series of said units with abutting surfaces, the unit having its exterior enameled except on a surface designed to abut against a companion surface on another unit.

1,481,560. ARTICLE OF FURNITURE. SOREN RINGER, Chicago, Ill. Filed June 11, 1920. Serial No. 388,202. 3 Claims. (Cl. 45—162.)

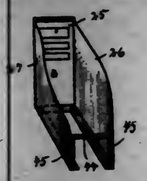


2. An article of furniture, comprising a pair of frames, a plurality of pairs of toggle links connecting said frames and permitting the frames to be disposed in collapsible relation, side panels adapted to be detachably interposed between the sides of said frames, a detachable top and a detachable bottom associated with said frame structure, and means operating upon said toggles for drawing the frames toward each other to clamp the side panels snugly therebetween.

1,481,561. FILING UNIT. SOREN RINGER, Chicago, Ill. Filed June 30, 1920. Serial No. 392,920. 1 Claim. (Cl. 45—7.)

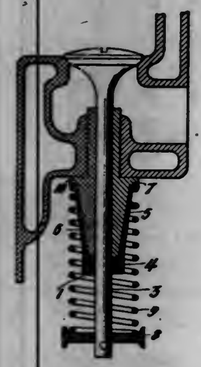
A filing unit, comprising integrally formed front and side walls having their lower edges inturned to provide bottom supporting flanges, said front wall being pro-

vided with a plurality of sight openings and having its upper edge rolled inwardly and downwardly to provide a downwardly opening groove adapted to receive a data card, a detachable bottom supported by said flanges,



and a member unconnected to said bottom detachably connecting the rear ends of said side walls together to maintain the same in fixed relation, said member being adapted for disconnection to permit the separation of said side walls for nesting purposes.

1,481,562. DEVICE FOR PREVENTING LEAKAGE OF AIR AROUND THE STEMS OF VALVES OF INTERNAL-COMBUSTION ENGINES. CLAUDE HAMERTON ROWE, Husthwaite, Easingwold, England. Filed Apr. 13, 1920. Serial No. 373,476. 2 Claims. (Cl. 286—30.)



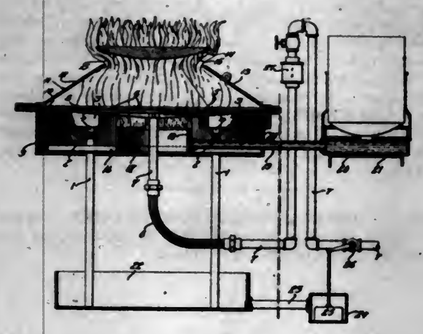
1. A washer supporting device for valves comprising an annular washer supporting body having radially disposed flexible arms, said arms adapted to be bent substantially perpendicular to the plane of said annular body and said arms being provided with out-turned flanges adjacent their free ends, said flanges constituting abutment members.

1,481,563. FLOAT VALVE. ADOLPH B. SCHIER, Milwaukee, Wis. Filed Aug. 16, 1922. Serial No. 582,141. 7 Claims. (Cl. 4—57.)



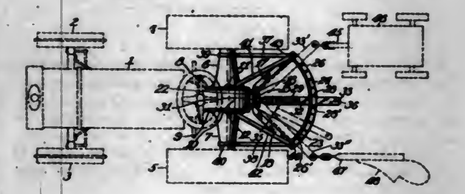
1. A float valve comprising a ball float, a resilient washer centrally attached thereto in a spaced relation therewith and an interposed flexible washer concentric with said resilient washer and of relatively greater diameter.

1,481,564. OIL BURNER. PALMER SCOTT, St. Davids, Pa. Filed Nov. 27, 1922. Serial No. 603,456. 5 Claims. (Cl. 158—91.)



5. An oil burner comprising a gasifying disk; means for feeding oil to the disk; a drum, having an opening, surrounding the disk; supports on the drum extending under the disk, and a burner under the disk and resting on the supports whereby the burner may be slid from under the disk and removed through the opening for cleaning.

1,481,565. ADJUSTABLE TRACTOR DRAWBAR. CLARK H. SELLARS and CLAIRE J. SELLARS, Guilford Township, Hendricks County, Ind. Filed Mar. 30, 1921. Serial No. 456,997. 3 Claims. (Cl. 280—33.12.)

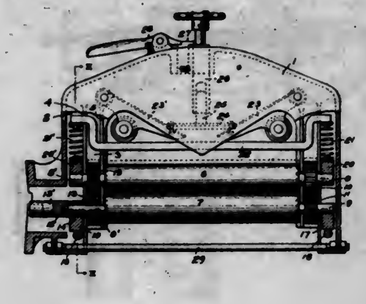


1. An improved tractor draw-bar apparatus comprising a pair of guide bars with pin-holes therein, a frame arm and a brace rod and also an angle brace secured together at one end thereof and to one end of the guide bars, a frame arm and a brace rod and also an angle brace secured together at one end thereof and to the opposite end of the guide bars, said brace rods being arranged upon the top of the upper ones of the guide bars and said angle braces upon the tops of the brace rods, said angle braces extending convergently each towards the other from the guide bars and also divergently from the plane of said frame arms to support the arms and the brace-rods laterally and vertically and to prevent longitudinal shifting of the guide bars, said arms being approximately under the angle braces, said brace rods being parallel each to the other, a base bar fixed to the opposite ends of said arms, and a draw-bar pivoted to the base bar and extending between the guide bars.

1,481,566. WRINGER. ROLF SELQUIST, Pittsburgh, Pa., assignor to Pittsburgh Gage & Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 9, 1921. Serial No. 483,397. 3 Claims. (Cl. 68—32.)

1. A wringer comprising a frame, an upper roll having gears attached at opposite ends thereof, a driving gear meshing with one of said gears, a lower roll having a gear attached at one end meshing with the remaining gear on the upper roll, a shaft projecting from the

opposite end of the lower roll, said driving gear being provided with a recess in which said shaft is journalled and supported, the upper roll being resiliently mounted for bodily movement and capable of movement a sufficient



extent to disengage the teeth of the driving gear from its cooperating gear on the upper roll, whereby separation of the rolls a predetermined amount will prevent rotation of the rolls and remove the load from the driving means.

1,481,567. ORNAMENTAL PAPER AND PROCESS OF PREPARING SAME. GEORGE E. SENSENEY, Holyoke, Mass., assignor to The Marvellum Company, Holyoke, Mass., a Corporation of Massachusetts. Filed May 19, 1921. Serial No. 470,924. 10 Claims. (Cl. 91—68.)

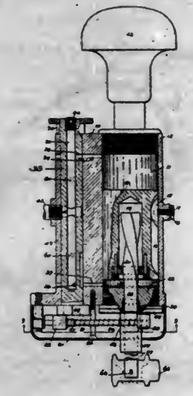
1. The process of producing ornamental color effects upon paper, which consists in subjecting the paper sheet to distributed mechanical stresses adapted to produce local areas of relatively high penetrability; and then applying a color-modifying liquid to the treated sheet, whereby the non-uniform penetration of the liquid produces a variegated color effect.

6. The process of producing ornamental color effects upon paper which consists in crumpling or creasing the paper to produce irregular crease line areas of relatively high penetrability, then subjecting said sheet to an ironing operation to partially smooth out the surface thereof and then brushing or wiping a liquid color upon the surface of the sheet whereby the non-uniform penetration of color into the body of the paper and the uneven distribution of color upon the surface of the paper produces a variegated color effect.

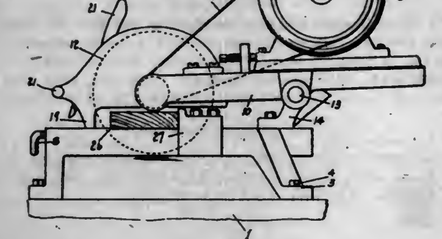
7. A colored ornamental paper sheet having line defining portions which are of relatively higher penetrability to a color modifying agent than other portions of said sheet, said paper sheet showing a variegated color effect due to the non-uniform absorption of a coloring agent in said different portions of said sheet.

1,481,568. VALVE GRINDER. EARL G. SMITH, Portland, Oreg., assignor of one-half to Albert B. Combs, Portland, Oreg. Filed Apr. 23, 1921. Serial No. 463,902. 5 Claims. (Cl. 121—3.)

1. A valve grinder having in combination a body member including a cylinder formed therein, a slidable piston within said cylinder including means for holding same against rotation, a rocking shaft projecting into said piston and outside of said cylinder, said shaft having a square end formed into a spiral which fits into a square hole in said piston, a flanged tool-holding sleeve secured on the rounded end of said shaft, a rotary valve within said body member having ports for admitting air from its interior to the opposite ends of said cylinder alternately, a notched disk secured to said valve, a pair of pawls adapted to engage the notch in said disc at opposite ends of the valve travel, a pair of plungers pivoted on said flanged sleeve, guides on said disc adapted to direct said plungers against said pawls and springs on said plungers adapted to rotate said valve after it is released by said plungers.



1,481,569. TRIMMING SAW. CARL E. TANNEWITZ, Grand Rapids, Mich., assignor to The Tannewitz Works, Grand Rapids, Mich. Filed Apr. 11, 1921. Serial No. 460,321. 2 Claims. (Cl. 143—6.)

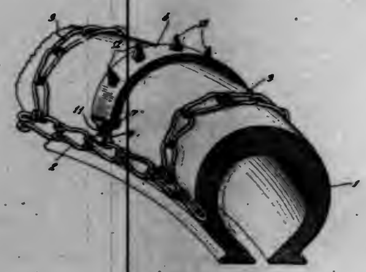


1. In a sawing machine, the combination with a bed, of a table, a saw frame pivotally mounted on said table, a saw mounted on the front end of said frame, a saw driving motor mounted on the rear end of said frame, a saw housing mounted on the front end of said frame, said housing being provided with a handle, a saw guard pivoted at its rear end within said housing and adapted when in its operative position to support the frame and guard the saw, and an automatic catch for locking said guard in its operative position, said housing being provided with a stop coacting with said table to limit the downward swing of the saw.

1,481,570. PULL-OUT DEVICE FOR TIRE CHAINS. ALICE F. TOFFEY, Jersey City, N. J. Filed Nov. 4, 1922. Serial No. 598,970. 1 Claim. (Cl. 152—14.)

The combination with conventional non-skid tire chains of a pull-out device embodying a solid metallic strip of arcuate shape bifurcated at its opposite ends and adapted to embrace the tread surface of a tire and extend transversely thereof, metallic gripping projections extending from the medial portion of the tread surface of the metallic strip and rigid therewith, a clasp extending into the bifurcation at each end of the strip, and a pin passed

through each bifurcated end and through the interfitted clasp associated therewith to pivotally mount a clasp at each end of the strip with the clasps in position to de-



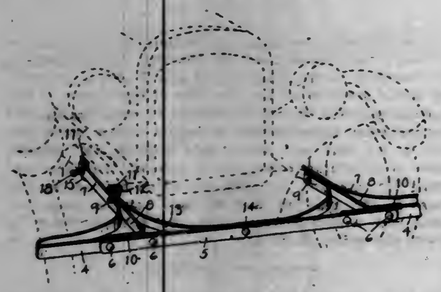
tachably engage with the circumferentially extending chain elements of the conventional non-skid chains for the purpose of demountably supporting the strip in co-operative relation with the chains and tire.

1,481,571. FASTENER FOR BELTS. JOHN TOMS, Kohimarama, Auckland, New Zealand. Filed Nov. 13, 1922. Serial No. 600,725. 2 Claims. (Cl. 24—33.)



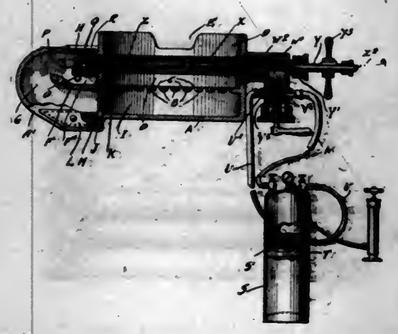
1. An improved fastener for joining the ends of belts and the like comprising two pivoted gripping members curved in cross section and oppositely disposed and provided with right angled inwardly projecting ends and pivotally connecting said ends substantially as described.

1,481,572. BUMPER FOR AUTOMOBILES. GROVER H. TRIPP, Allegan, Mich. Filed Aug. 20, 1923. Serial No. 658,294. 7 Claims. (Cl. 293—55.)



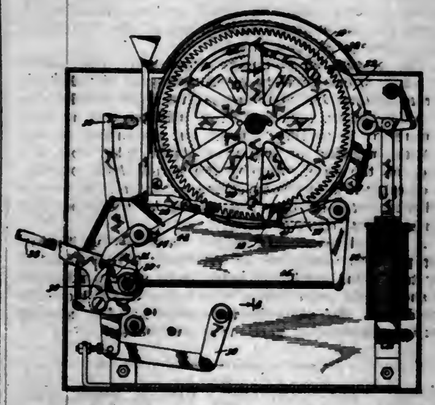
3. The combination with a frame member of an automobile, of a bumper provided with a supporting arm, an attaching bracket having a hook engaged within said frame member, an arm disposed at the side thereof, and a bolt disposed through the bracket arm engaging the side of the said frame member, said bolt being provided with a nut on the inside of the bracket whereby the bracket is clamped to the frame member, said bolt being disposed through said bumper supporting arm and provided with a clamping nut therefor.

1,481,573. GAS GENERATOR AND BURNER. WILLIAM THOMAS VAN BRUNT, Redbank, N. J. Filed Nov. 20, 1920. Serial No. 425,297. 8 Claims. (Cl. 158—65.)



1. The combination of a gas generator and burner comprising a body portion, a retort supported in the body portion having an unrestricted inlet for oil and a valve controlled outlet for vapor, a burner, a conduit leading from the vapor outlet to said burner, a pad of absorbent material located in the bottom of said conduit.

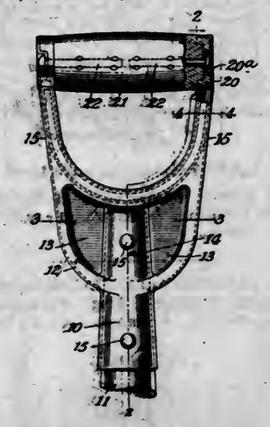
1,481,574. TIME RECORDER. THOMAS J. WATSON, Short Hills, N. J., assignor to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Filed Feb. 11, 1922. Serial No. 535,780. 13 Claims. (Cl. 234—48.)



1. A time recorder comprising a time controlled type wheel, a record support, means for taking a printed record from said wheel, means controlled by the advance of said wheel from its initial position for shifting said record support relatively to said wheel, and means for resetting said wheel to zero and restoring said record support to its initial position.

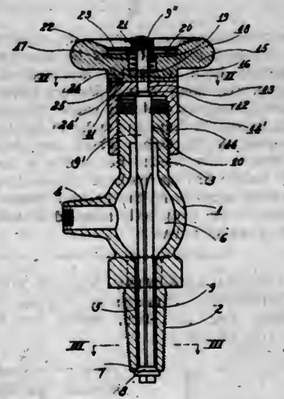
3. A time recorder comprising in combination, a time controlled type wheel, means for taking records therefrom at successive positions upon a record sheet, means for resetting said wheel to zero, and means for preventing the taking of a start record until the wheel has been reset.

1,481,575. SHOVEL HANDLE. LEWIS E. WEBSTER, Wyoming, Pa. Filed Oct. 17, 1921. Serial No. 508,242. 9 Claims. (Cl. 294—57.)



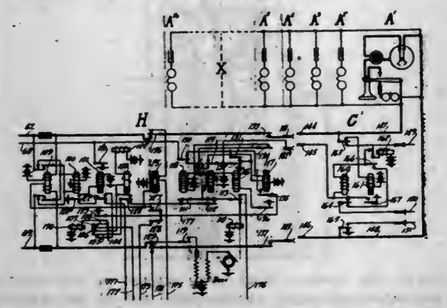
1. A sheet metal shovel handle, comprising a hollow body portion including a pair of spaced arm portions of hollow channel section, a shank portion integral with said body portion, said body portion having substantially flat portions and shaped to form an extended socket for the inserted shank.

1,481,576. VALVE. PETER WERTZ, Pittsburgh, Pa. Filed Oct. 5, 1922. Serial No. 592,518. 5 Claims. (Cl. 251—37.)



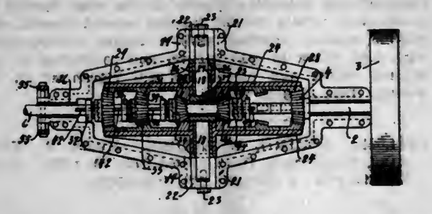
6. A valve comprising a casing provided with a passage therethrough, a valve seat formed in said casing at one end of the passage, a rod having a head at one end cooperating with said seat, and having its opposite end projecting through an extended bore in the casing, a rod having a snug fit in said bore for forming a substantially tight seal, a two-part actuating cap having a threaded engagement with the casing through which the rod projects, the inner part of the cap being rotatably mounted upon the rod and the outer part thereof being slidable but non-rotatable thereon, a shoulder forming an abutment on the rod disposed within the inner part of the cap, a seat on the said inner part coacting with the shoulder, an abutment on the extremity of the rod exteriorly of the outer part of the cap, the exterior face of the outer part of the cap being provided with a recess having bores of different diameters, a disk fitting the outer enlarged bore interposed between the last-named abutment and the cap, a compression spring disposed within the inner smaller bore interposed between the said disk and cap, and means for locking the two parts of the cap to each other for simultaneous rotative movement.

1,481,577. AUTOMATIC TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, and ARTHUR J. RAY, Chicago, Ill., assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 29, 1920. Serial No. 427,177. 20 Claims. (Cl. 179—17.)



1. In a telephone system, a party line, a plurality of signals on said line, a source of ringing current, means for connecting said source of current to the line so as to operate said signals according to predetermined codes, means for disconnecting said source of current from said line, and means for rendering said disconnecting means inoperative except at the end of the code.

1,481,578. CHANGE-SPEED TRANSMISSION GEAR. REUBEN REINER WISE, Manteca, Calif. Filed Dec. 19, 1922. Serial No. 607,914. 3 Claims. (Cl. 74—59.)

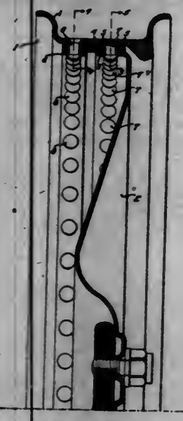


1. A housing, a pair of duplicate multi-ring gears therein in confronting relation, a transverse shaft supported at opposite ends by the housing and rotatably supporting the multi-ring gears, an enlargement on the transverse shaft between said gears with a bore extending therethrough at right angles to the shaft, a second shaft extending through the bore and having bearing therein, and also in one end of the housing, a third shaft having bearing in the opposite end of the housing in alinement with the second shaft, a pinion on the third shaft engaging both ring gears, a plurality of loose clutch pinions on the second shaft each engaging another ring of the ring gears, and means for selectively connecting said loose pinions with said second shaft.

1,481,579. VEHICLE WHEEL. CLAUDE A. WITTER, Philadelphia, Pa., assignor to Hall Wheel Corporation, Philadelphia, Pa. Filed Feb. 16, 1923. Serial No. 619,397. 3 Claims. (Cl. 301—63).

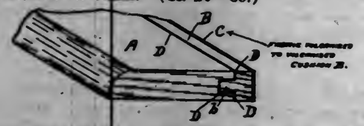
3. A wheel including a hub; a rim; a disk, extending from the hub, having a horizontal annular flange spaced from the rim; a resilient band embracing the flange and

extending to one side thereof; a metallic band embracing one side of the resilient band, and a metallic band embraced by the side of the resilient band opposite the



flange, the resilient band being secured at one side to the flange and to the exterior band and at the opposite side to the interior band and the rim.

1,481,580. STOP FOR DOORS AND WINDOWS. HARRY N. WRIGHT, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 605,308. 1 Claim. (Cl. 20—69.)



A stop comprising a rigid member provided with a longitudinally extending groove on one edge thereof, in combination with a cushion member secured thereto, said cushion member provided with a tongue corresponding with and fitting in said groove, and consisting of vulcanized rubber and textile material vulcanized to the wearing face of said rubber.

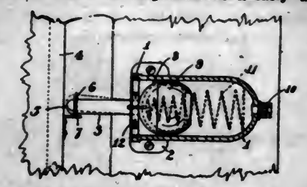
1,481,581. NOSTRIL EXPANDER. HENRY R. WOODWARD, Washington, D. C. Filed Oct. 18, 1922. Serial No. 595,294. 3 Claims. (Cl. 128—342.)



1. A nostril expander comprising similar opposite members and a connecting U-shaped portion, each side member having a part adapted to engage one of the fossæ of the nose when the expander is inserted therein, and a comparatively large nostril supporting loop beyond the said part, the loop being inclined outwardly and upwardly and away from the opposite loop on the other member, and the free extremity of the loop being of a form to prevent injury to the nostrils.

1,481,582. PNEUMATIC CHECK OR THE LIKE DEVICE. JOHN H. WOOLLISCROFT, Liverpool, England. Filed Apr. 22, 1920. Serial No. 375,783. 3 Claims. (Cl. 16—84.)

1. A door check comprising in combination a cylinder closed at one end, a piston rod adapted to receive the blow to be checked and free from all rigid attachment, a spherical piston rigidly mounted on said piston rod allowing a universal motion of the piston rod relatively to the axis of the cylinder and of displacement axially along said



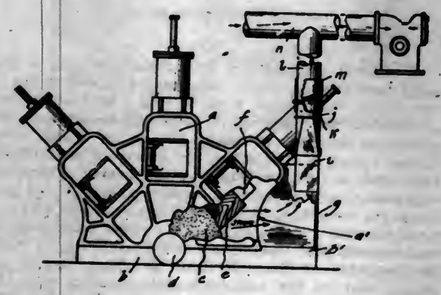
cylinder, a one-way release valve at the inner end of said cylinder and means to retain said piston permanently inside said cylinder.

1,481,583. ELECTRICALLY-ILLUMINATED BUOY. MATT ANUNDI, Clatskanie, Oreg. Filed Sept. 26, 1923. Serial No. 664,913. 8 Claims. (Cl. 9—8.30.)



1. A buoy comprising a hollow body consisting of two oppositely disposed conic portions in abutment at their bases, a lantern head removably mounted on one conic portion, an electric lamp in said lantern head, a box-like battery holder supported centrally within the lower portion of the body, so spaced from the walls of the latter as not to be immersed in the water which may collect in the buoy-body during any inclination which it may assume, the battery holder having walls of substantial height, a battery element secured in the battery holder, a weight in the bottom of the buoy body adapted to hold it in upright position while afloat.

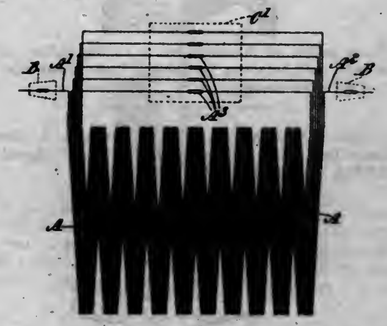
1,481,584. STEAM-REMOVING MEANS FOR PAPER-PULP GRINDERS. CHARLES A. BAXTER, West Linn, Oreg. Filed Aug. 23, 1922. Serial No. 583,796. 5 Claims. (Cl. 83—75.)



1. In combination with the housing of an operating device of the character described, such housing having crevices in its walls and a relatively large opening at one side, of a supplemental removable housing section, open

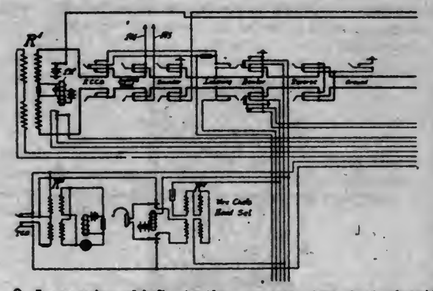
at one side in correspondence with said side opening of the main housing, and adapted to have its walls placed in abutment with the walls of the latter, thereby to enclose a space constituting a chamber of substantial dimensions; means for creating a draft from said chamber to the atmosphere, thereby creating a region of negative pressure in said chamber tending to draw in exterior air through said orifices of the main housing; such means adapted to be connected with and disconnected from said supplemental housing section, thereby to permit the removal of the latter.

1,481,585. ELECTRIC REACTIVE WINDING. JAMES ROBERT BEARD, Benton, England, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Filed Sept. 16, 1919. Serial No. 324,248. 6 Claims. (Cl. 175—360.)



6. In a reactive winding the combination of an insulated cable coiled in helical form such cable having a plurality of cores comparatively lightly insulated from each other the cores as a whole being surrounded by insulation sufficient to withstand the normal voltage to earth, connections between the cores joining them in series said connections being such that cores having comparatively large voltages between them are not adjacent in the cable, an outer metallic sheath forming an outer layer of the cable and means for supporting the turns of such metallic sheathed cable to withstand the stresses due to heavy currents.

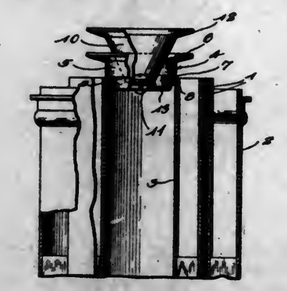
1,481,586. WIRE CHIEF'S TEST CIRCUITS FOR TELEPHONE SYSTEMS. WILLIAM A. BENSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 17, 1921. Serial No. 445,710. 18 Claims. (Cl. 179—175.)



2. In a wire chief's testing system, two test circuits each terminating in a manual cord and plug and each being provided with keys and associated testing apparatus, and a cord reverse key in each test circuit whereby the two test circuits may be interchanged with respect to said plugs.

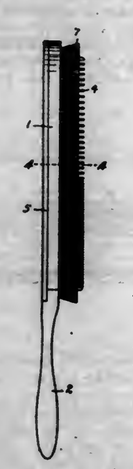
15. In a telephone system, a manual switchboard, means including a trunk line outgoing from said board and a train of serially related automatic switches for extending a connection to a subscriber's line, a circuit for energizing the cut-off relay of said subscriber's line, said circuit including a wiper in each of said switches, and means in the first of said switches controlled from said board for opening said circuit to deenergize said cut-off relay.

1,481,587. FLAME SPREADER. CHARLES H. BORCK, Jackson, Mich. Filed Dec. 28, 1922. Serial No. 609,428. 1 Claim. (Cl. 67—63.)



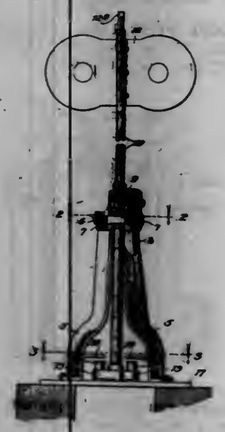
A flame spreader comprising a plurality of apertured vertically spaced cup-shaped members arranged one within the other and having their side walls radially spaced from each other, the upper edges of each of said members being directed laterally outward and upward to provide inclined peripheral flanges.

1,481,588. COMBINATION COMB AND BRUSH. HERBERT M. CHUBBUCK, Duluth, Minn. Filed June 4, 1923. Serial No. 643,284. 1 Claim. (Cl. 132—88.)



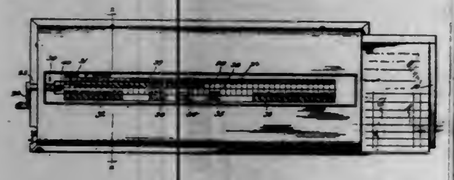
A combined comb and brush comprising a single piece handle and body portion, the latter having a central through slot extending longitudinally thereof for the reception of the comb, and the entire back of the body portion being stepped, a cover for said stepped portion of the body forming a continuation of the handle, and a second slot extending wholly about the first mentioned slot but not entirely through the back, and a row of brush bristles fixed within said surrounding slot and spaced from the comb, substantially as and for the purpose described.

1,481,389. SWITCH STAND. ARTHUR M. CORNELL, Chicago, Ill., assignor to Pettibone, Mulliken Company, Chicago, Ill., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 671,453. 2 Claims. (Cl. 246—413.)



1. A switch-stand of the character described, having a double-crank on the lower end of the target-shaft with integral crank-arms extending at 180° apart and each provided with an upright connecting-rod stud, said shaft containing a socket in its lower end midway between said arms, and a bed-plate carrying the stand and having a pivot-stud projecting into the socket.

1,481,590. CALCULATING DEVICE. JAMES P. COUGHLIN, Kansas City, Mo. Filed June 13, 1922. Serial No. 567,989. 1 Claim. (Cl. 235—86.)



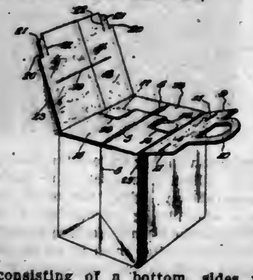
In a device of the class described, a casing having a sight opening extending longitudinally in its top, means above the sight opening parallel to the upper side thereof designating units relating to the quantities or measurements of commodities to be dispensed, means parallel to the lower side of the sight opening designating fractions of units relating to the quantites or measurements of the commodities to be dispensed, and a sheet movable relative to said opening and bearing at one side a numerical designation of the price of a unit quantity of the commodity, the said sheet, opposite to the numerical designation having parallel longitudinal lines of numerical designations, the upper line relating to the price of unit quantities, in multiple, of the commodity and bearing relation to the upper designating means first mentioned, the lower line of designating numerals indicating the selling price of fractional quantities of the commodity and cooperating with the lower designating means first mentioned.

1,481,591. CANDLE BASE. CLAUDE C. CRASWELL, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 20, 1922. Serial No. 587,929. 1 Claim. (Cl. 67—28.)



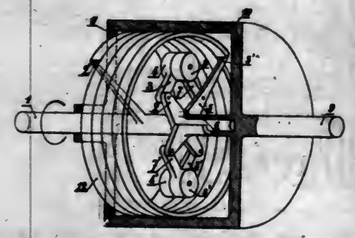
As an article of manufacture, a candle holder formed from wax and adapted to receive and removably support a wax candle.

1,481,592. COLLAPSIBLE BOX. BEULAH L. DOSIER, Eagle Pass, Tex. Filed Sept. 13, 1922. Serial No. 588,023. 4 Claims. (Cl. 229—54.)



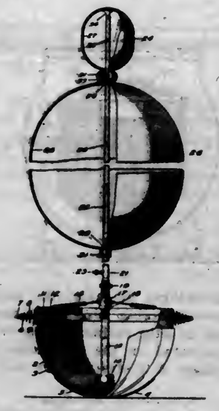
3. A box consisting of a bottom, sides rising from the bottom, and flaps at the upper ends of all the sides, the flanges at two opposite sides being constructed to fold over the box and overlap and interlock, and the flaps at the remaining opposite sides being constructed to fold over the first mentioned flaps, and overlap and interlock, one of the last-mentioned flaps being provided at its free edge with a projecting handle member adapted to pass through and extend above the overlying flap.

1,481,593. CLUTCH. JEAN FIEUX, Paris, France. Filed Sept. 3, 1921. Serial No. 498,452. 1 Claim. (Cl. 192—105.)



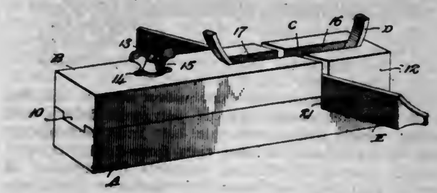
In a clutch, the combination of a driving shaft, a driven shaft, a drum fast to the driven shaft, a coiled friction spring arranged in the drum, a stop on the driving shaft engaging one end of said spring, an element loose on the driving shaft and having a stop engaging the other end of the spring, a centrifugally movable weight and arms pivotally connecting said weight to the driving shaft and to the last named stop.

1,481,594. PUNCHING BAG. ALFRED H. FITZGERALD, San Mateo, Calif. Filed June 27, 1922. Serial No. 571,235. 4 Claims. (Cl. 46—69.)



1. A portable punching bag comprising a bag, a stem for supporting the bag, a semispherical base in which said stem is mounted, and compression springs arranged on the outer surface of said base for effecting the quick recovery of the base when rocked by blows on the bag.

1,481,595. PISTON-RING-FILING DEVICE. JOHN A. FLANDERS, Tampa, Fla. Filed May 31, 1923. Serial No. 642,535. 7 Claims. (Cl. 29—76.)



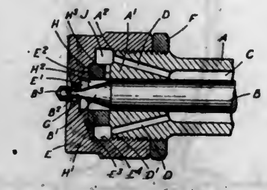
1. In a piston ring filing device, a piston ring support, means for guiding a file element operating between the terminals of a piston ring supported thereby, and means coacting with such ring when the latter is pressed against the support to force the terminals thereof against respective faces of an operating file element, said means acting to maintain the alinement of the terminals of said ring with each other.

1,481,596. FIGURE WHEELED TOY. GEORGE HENRY FLETCHER and FRANK LEONARD MORGAN, Hoquiam, Wash. Filed Jan. 12, 1921. Serial No. 436,709. 9 Claims. (Cl. 46—45.)



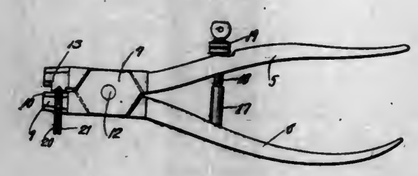
1. A figure wheeled toy comprising a plurality of longitudinally alined sections directly hinged one to another to swing freely in a lateral direction, each one of the terminal sections being provided with a pair of wheels located relatively nearer to its hinged connection than to its free end and at a distance from the hinged connection.

1,481,597. LIQUID-FUEL SPRAYER. ANDREW FORSTER, Cowes, Isle of Wight, England, assignor to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England. Filed Feb. 4, 1921. Serial No. 442,517. 6 Claims. (Cl. 299—118.)



2. In a liquid fuel sprayer the combination of a hollow cylindrical sprayer body having a closed end with a circular flat end surface, a cap on the end of the sprayer body, an annular plate of less diameter than the end of the sprayer body disposed and carried between it and the cap so that an annular space is formed in advance of the closed end of the sprayer body and between it and the cap, the hole in the centre of the annular plate constituting a mixing chamber, a plurality of grooves formed in one face of the plate forming in conjunction with the flat surface against which the plate is held, a series of passages extending tangentially from the central opening in the plate to and through the outer periphery of the plate and serving for the flow of fuel from the annular chamber, a plurality of passages extending from the hollow interior of the sprayer body through the closed end thereof into the annular chamber and serving for the delivery of fuel into this chamber, and a central orifice leading through the end cap from the mixing chamber and serving as a nozzle for the sprayer as set forth.

1,481,598. JEWEL-SETTING TOOL. IGNAZIO GATTI, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,374. 1 Claim. (Cl. 81—7.)

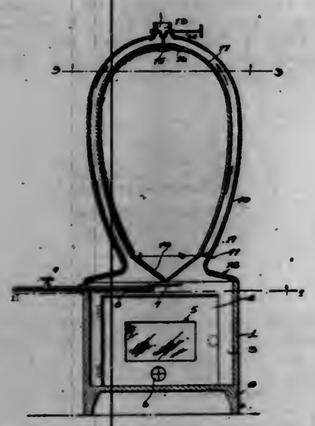


A gem setting tool of the class described comprising pivotally connected handles, one of said handles terminating in an anvil head, the top face thereof being gradually curved, the complementary handle terminating in a crimping head of substantially the same length as the anvil head, said crimping head having an inverted V-shaped bottom face shaped to conform to the curvature of the anvil head and adjustable means between the handles for limiting the pressure of said anvil and crimping heads.

1,481,599. STOVE. JACK GAUGHAN, Long Beach, Calif. Filed Aug. 2, 1922. Serial No. 579,277. 3 Claims. (Cl. 126—58.)

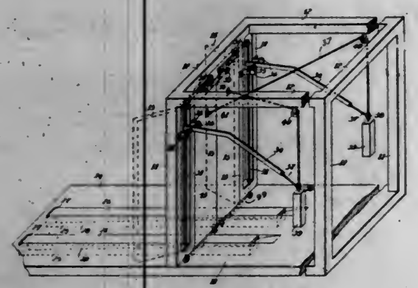
1. A stove of the class described comprising a base provided with a fuel compartment, an ovoidal outer casing formed upon the base having its upper end termi-

nating in a discharge flue, an ovoidal inner casing substantially spaced within the outer casing and provided



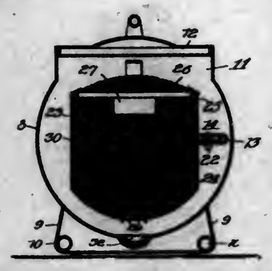
with a valve seat in its upper end and a valve adapted to be seated in said valve seat to close said inner casing and retain same air-tight.

1,481,600. AUTOMATIC GARAGE-DOOR OPERATOR. ALEXANDER H. GEIGER, Cheshire, Conn. Filed Apr. 25, 1922. Serial No. 556,475. 2 Claims. (Cl. 268—9.)



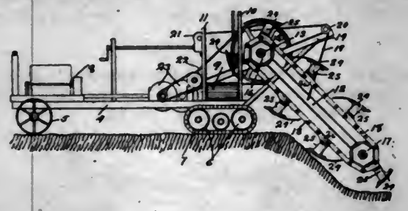
1. In a garage-door operating mechanism, a door, means to urge the door to open position, means to releasably hold the door in closed position, vehicle-actuated mechanism for releasing said holding means, a weight connected to said door for urging it to closed position, vehicle-operated means for raising said weight to permit said door to open, said weight-raising means being connected to said releasing mechanism whereby said weight will not only serve to close said door when the vehicle has left its actuating position, but will also serve to restore said door-holding means to holding position.

1,481,601. DISHWASHING MACHINE. SIGMUND L. GOLDMAN and HOLLING G. TUCKER, Chicago, Ill.; said Tucker assignor to said Goldman. Filed May 29, 1922. Serial No. 564,585. 5 Claims. (Cl. 141—9.)



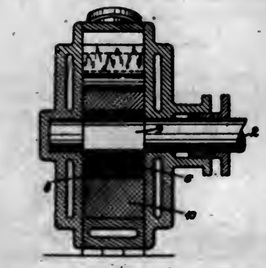
1. In a dish-washing machine, the combination of a casing, a water-conducting pipe of U-shape trunnioned at opposite ends in said casing, and a holder for dishes to be washed mounted on the trunnions of said pipe in a position in which it is straddled by said pipe.

1,481,602. EXCAVATOR. GEORGE H. GREIMANN, Garner, Iowa, assignor to Greiman Ditcher Company, Garner, Iowa, a Corporation of Iowa. Filed Nov. 5, 1920. Serial No. 421,898. 3 Claims. (Cl. 37—86.)



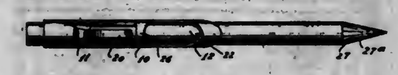
1. In an excavator, the combination with a link belt of the sprocket chain type, of polygonal driving and guiding wheels over which said belt runs, outstanding arms having bifurcated inner ends formed with integral laterally spaced link-forming elements incorporated as links in said belt, and excavating spades or blades rigidly secured to the outer ends of said arms.

1,481,603. SUPPORTING OF THE PISTON IN ROTARY ENGINES. MAX GÜTTNER, Schmolln, Germany. Filed Aug. 29, 1922. Serial No. 585,041. 6 Claims. (Cl. 74—109.)



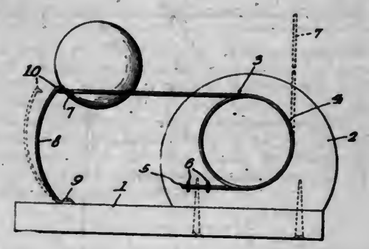
1. Supporting of the piston in rotary engines comprising in combination a shaft, an eccentric of said shaft having a longitudinal groove with limiting surfaces at both ends, a straight slightly elastic body embedded in its longitudinal direction in said groove and a sleeve enclosing said eccentric and said straight elastic body.

1,481,604. COMBINATION PENCIL SHARPENER AND POCKET CLIP. LEAMAN S. HARVEY, Waterbury, Conn. Filed Nov. 12, 1921. Serial No. 514,551. 1 Claim. (Cl. 120—90.)



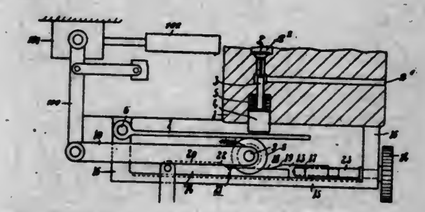
A blank to be used to form a tubular combination pencil sharpener and pocket clip, comprising an integral sheet of strip iron, said sheet having a pair of separated cut-out portions, a clip tongue extending into one of said cut-out portions, and the other cut-out portion having one edge sharpened to form a knife edge.

1,481,605. TOY GAME. JOSEPH J. HAYES, Elkhart, Ind. Filed Nov. 8, 1922. Serial No. 599,699. 1 Claim. (Cl. 46—59.)



In a toy game of the class described, the combination of a base, an upstanding extension affixed to the base, a wire spring having inwardly turned ends engaged in the base extension, means bracing the spring on the base extension, the spring having opposite coiled portions and having an outwardly extending loop portion of suitable size for receiving a ball, and a spring trigger affixed to the opposite end of the base from that on which the extension is positioned, said spring trigger having a suitably bent end to releasably engage the central portion of the spring loop described above.

1,481,606. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Oct. 3, 1922. Serial No. 592,106. 4 Claims. (Cl. 123—140.)



1. In a fuel pump arrangement for internal combustion engines, including a pump plunger, a pump chamber, a suction conduit and a valve controlling the connection between the pump chamber and the suction conduit, the combination with said valve, of means including rectilinearly movable cam elements and members cooperating therewith to control said valve so as to maintain same open during the first and last portions of the pressure stroke of the pump, said cam elements and said other members having a movement relative to each other proportionate to the pump movement, the said cam elements and said other members being adjustable relatively to each other while in operation.

1,481,607. APPARATUS FOR THE DISPLAY OF PICTURES, ADVERTISEMENTS, OR THE LIKE. CLAUDE WILLIAM HISCOCKS, Holborn, London, England. Filed Aug. 14, 1922. Serial No. 581,857. 2 Claims. (Cl. 40—132.)



1. The combination of a composite picture structure comprising an outer transparent sheet, a translucent sheet having a picture provided on its outer face, a second translucent sheet having a picture provided on its outer face and an inner translucent light diffusing sheet, said sheets arranged in the order specified, with means for alternately directing light against the outer and inner sheets.

1,481,608. WICK. LAWRENCE R. HOWARD, Chandler, Ariz. Filed Apr. 27, 1920, Serial No. 377,109. Renewed June 21, 1923. 2 Claims. (Cl. 67—70.)

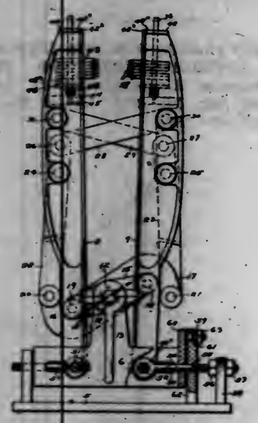


1. An article of manufacture comprising a bottom wick, a wick carrier comprising a tubular band therefor having locking slots, a burner wick, a band connected to the burner wick and depending therebelow, the said depending portion being adapted to embrace the upper edge of the said wick carrier and having projections formed therein for engaging the locking slot of the latter.

1,481,609. SPRING SPREADER FOR VEHICLE SPRINGS. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr. Filed Mar. 7, 1923. Serial No. 623,508. 8 Claims. (Cl. 81—3.)

1. In a device of the character described comprising a base, a pair of standards pivoted thereon for swinging movement toward and from each other, means for forcibly

moving said standards toward each other, spring leaf spreading means carried by said standards, longitudinally

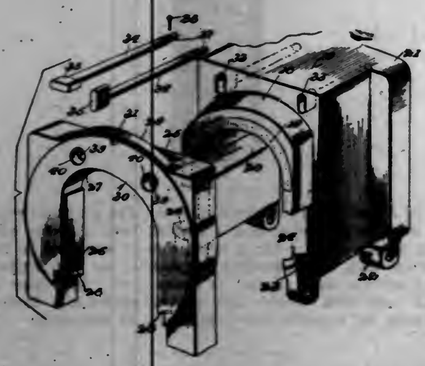


disposed bolts engaged with the pivots of said standards and means for adjusting said bolts longitudinally with respect to the base.

1,481,610. PROCESS FOR FINISHING WOOD. FRANK KORTESKI, Bay City, Mich., assignor of one-half to Joseph A. Pacyneki, Bay City, Mich. Filed Feb. 4, 1922. Serial No. 534,279. 2 Claims. (Cl. 91—68.)

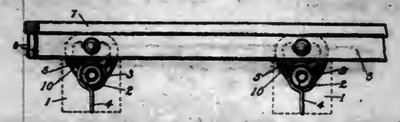
1. A process for graining wood or other material which consists in applying a filler coat, then applying shellac, rubbing thoroughly, next applying a mixture of metal dust and varnish, and covering with a coat of transparent protective medium.

1,481,611. LOCOMOTIVE DRIVING BOX. ARTHUR T KUEHNER, Elkridge, Md. Filed Nov. 20, 1919. Serial No. 339,347. 13 Claims. (Cl. 64—25.)



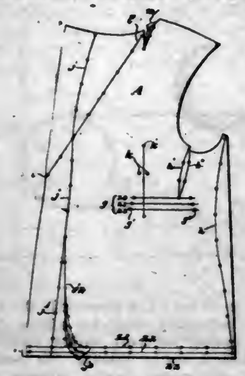
1. A journal box including a box body, a face plate seating against the outer side of the box body, and means securing the plate to the box body, said means being rotatable to a position whereby such means may be retracted to free the plate for removal in a vertical plane parallel to the adjacent face of the box body.

1,481,612. RAILWAY CONSTRUCTION. WILLIAM GRAHAM LUCAS, Orbisonia, Pa. Filed July 30, 1923. Serial No. 654,725. 18 Claims. (Cl. 238—60.)



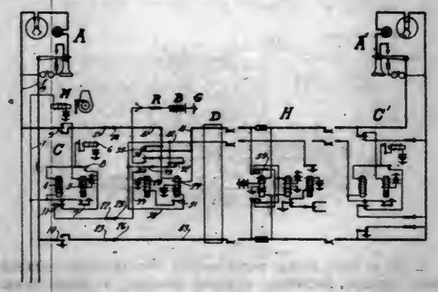
2. A railway construction comprising ties having spiral spring elements therein and projecting thereabove and rails which include each a head and two webs the latter designed to receive therebetween said elements and the head designed to rest thereon.

1,481,613. CHART FOR DRAFTING GARMENTS. CHARLES T. MACKEY, Chicago, Ill. Filed May 17, 1922. Serial No. 561,776. 2 Claims. (Cl. 33—12.)



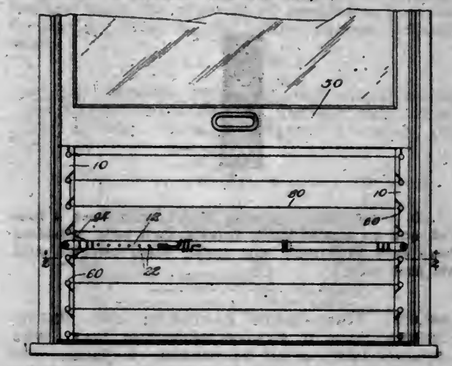
1. A pattern of given peripheral outline, a scale at the bottom of the pattern for indicating length and width of garment, and a second scale parallelly disposed with respect to the first mentioned scale for proportionally indicating changes in garment construction, due to variation in garment length.

1,481,614. MEASURED-SERVICE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1920. Serial No. 423,155. 9 Claims. (Cl. 179—9.)



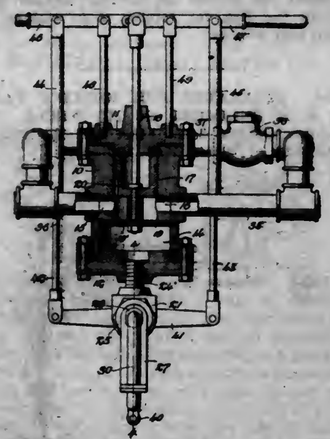
2. In a telephone system, a subscriber's line, a rotary line switch for extending said line when calling, said switch having two line wipers and a test wiper, a holding circuit for said switch including said test wiper, an individual meter for said line connected to said circuit, a booster battery, and means for connecting said battery in the holding circuit to operate said meter.

1,481,615. CURTAIN-PROTECTING DEVICE. AUGUST E. MEYER, Dixon, Ill. Filed Aug. 23, 1922. Serial No 583,776. 4 Claims. (Cl. 156—38.)



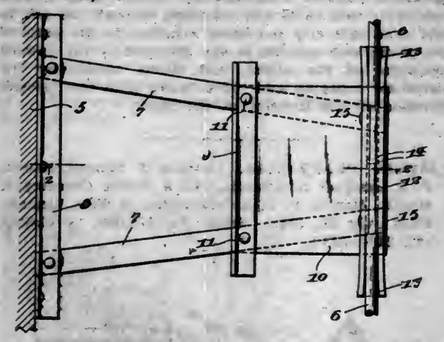
2. A device of the character described comprising a pair of vertical members, having means for lacing a string thereon to form a grating between said members, and adjusting means joining said members and comprising two horizontally arranged overlapped members, with means for yieldingly holding them in various adjustments and means on said adjusting means for taking up the slack in the string caused by the adjustment of the vertical members toward each other.

1,481,616. VALVE MECHANISM FOR AUTOMATIC TRAIN-CONTROL APPARATUS. ROBERT L. MILLER, Spokane, Wash., assignor to Otis Automatic Train Control, Inc., Spokane, Wash., a Corporation of Washington. Filed Mar. 6, 1922. Serial No. 541,552. 2 Claims. (Cl. 246—190.)



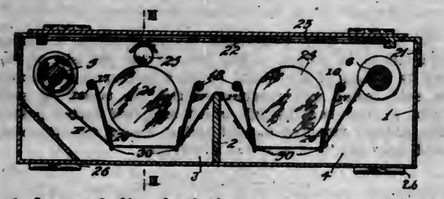
1. In automatic train control apparatus, a valve mechanism operable at predetermined times to effect a reduction in train line pressure, a rotatable ramp engageable shoe having a normal perpendicular position and operable when rotated in either direction from its normal position to initiate operation of said valve mechanism, a pair of arms extending from said shoe, a pair of levers mounted on said valve mechanism and telescoping connections between related arms and levers whereby one of the latter is operable to restore said shoe to normal position following its rotation in one direction and the other is operable to restore the same to normal position following its rotation in the other direction.

1,481,617. SUPPORT FOR ELEVATED CABLE TRACKS. JOSEPH F. MONTINE, Chicago, Ill. Filed Aug. 11, 1922. Serial No. 581,173. 5 Claims. (Cl. 104—115.)



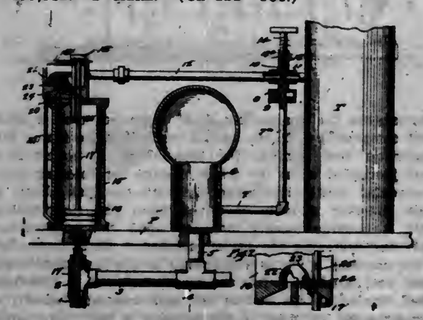
3. A support for an elevated cable track comprising a seat for said track consisting of a member having a longitudinal channel to hold the track, said member having downward bends at its ends and also intermediate its ends, the intermediate bend forming a depression in the channel to hold the track against longitudinal slippage, said channel being flared at its ends, and its side walls intermediate its ends being clinched over the track, and a base member supporting the seat member.

1,481,618. FILM-DEVELOPING APPARATUS. HENRY CHARLES FRANK MORANT, Hawthorn, Victoria, Australia. Filed Oct. 22, 1920. Serial No. 418,666. 5 Claims. (Cl. 95—90.5.)



1. Improved film developing apparatus comprising a container for developing solution and having means for manipulating the film, said container having means to permit observation of the film and means to prevent passage of actinic light rays and a lamp arranged to project nonactinic light rays on the film.

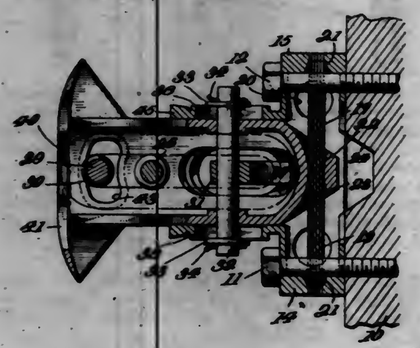
1,481,619. PNEUMATIC WATER LIFT. LOUIS E. MORRISON, Salida, Colo. Filed July 27, 1920. Serial No. 399,362. 1 Claim. (Cl. 121—164.)



In an apparatus of the class described a cylinder, a piston operable in said cylinder, a rod extending through the cylinder to which said piston is fixed, a compressed

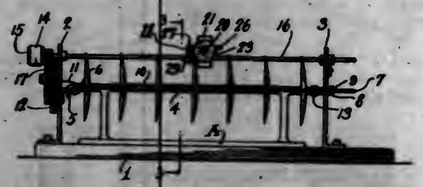
air supply, means for connecting said supply with said cylinder, a valve for controlling the air supply to the cylinder, a trip rod equipped with an obliquely and upwardly disposed longitudinally slotted arm, a stud carried by said valve and extending through the solt in said arm, said trip rod being arranged in the path of the piston and movable in one direction by the upward movement of the piston, and means carried by the piston for engaging said rod to move it in the opposite direction on the lowering of the piston.

1,481,620. DRAFT GEAR. CHARLES T. NELSON, Manila, P. I., assignor to Atlantic Gulf & Pacific Company of Manila, Manila, P. I., a Corporation of West Virginia. Filed July 21, 1922. Serial No. 576,588. 4 Claims. (Cl. 213—188.)



1. A draft gear comprising in combination, a casing adapted to be bolted to the face of the end sill of the car by means of horizontal bolts, a leaf spring mounted in said casing and retained therein by means of said bolts, a draw bar through which said leaf spring passes and slidably mounted in said casing, means for attaching said draw bar to a coacting draft gear.

1,481,621. DISK SHARPENER. JOHN H. NEUMAN, Providence Township, Buena Vista, Iowa. Filed Jan. 24, 1922. Serial No. 531,445. 1 Claim. (Cl. 51—104.)



Apparatus for sharpening disks mounted upon a disk shaft comprising a frame, means carried by the frame for supporting and turning the disk shaft, a noncircular shaft journaled upon the frame, means for rotating said noncircular shaft simultaneously with the disk shaft, a worm member slidably mounted upon the noncircular shaft, a housing loosely mounted upon the noncircular shaft and receiving the worm member, a shaft journaled in the housing, a worm wheel fixed to the last mentioned shaft and meshing with the worm member, a grinding wheel carried at the end of the last mentioned shaft, a curved handle bar fixed to the housing, a lever fulcrumed to the handle bar and a roller journaled upon the lever and arranged to rotate in a plane lying at a right angle to the plane in which the grinding wheel rotates.

1,481,622. CARTRIDGE SHELL. SAMUEL A. NORTH, Bridgeport, Conn. Filed Mar. 2, 1921. Serial No. 449,020. 9 Claims. (Cl. 112—16.)



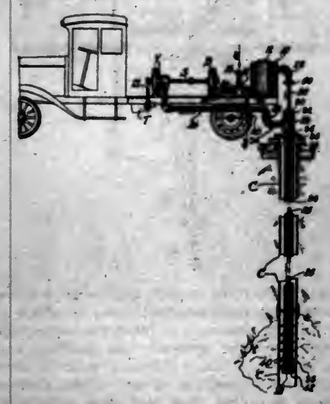
1. In a cartridge, a tubular shell body, a base, a base wad, and an elastic lining in said shell body extending above said base wad, said lining being integral with said shell body.

1,481,623. TIRE-CHAIN FASTENER AND TIGHTENER. JAMES W. OSBORN, Hemingford, Nebr. Filed Feb. 10, 1923. Serial No. 618,389. 2 Claims. (Cl. 24—68.)



1. A tire chain fastener including an arm member having a hook formed at one end for receiving a link of the tire chain, a locking lever pivoted to said arm member at the other end thereof, and adapted for association with the arm member to prevent disengagement of the link from the hook in locked position, and links connected with the intermediate portion of the rocking lever at one side thereof and connected with a link at the opposite end of said chain whereby in locked position a pull on the fastener from the chain will act on said arm member for moving the rocking member about its pivot with the link for forcing it in tighter relation with said arm member.

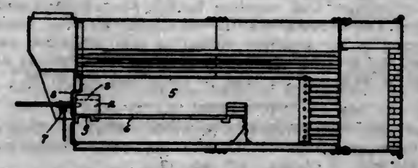
1,481,624. APPARATUS FOR MELTING PARAFFIN AND BASE SEDIMENT IN OIL WELLS. HERMAN S. RANKIN, Golden, Colo. Filed Apr. 15, 1921. Serial No. 461,621. 1 Claim. (Cl. 166—17.)



Apparatus for clearing oil wells comprising a furnace located at the top of the well, a blower, a pipe connecting the blower with the furnace for supplying a continuous flow of air to the latter, means connected with the pipe for delivering a continuous flow of fuel thereto in fluid form, means also located at the top of the well

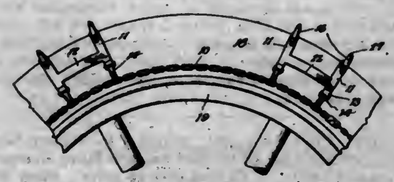
for producing a partial vacuum and means for connecting the furnace with the vacuum source comprising a closed loop extending to the bottom of the well and through which the products of combustion from the furnace are caused to pass by the vacuum producing means.

1,481,625. MIXING CHAMBER FOR OIL-BURNING FURNACES. PAUL SCHULTZ, Oakland, Calif. Filed Apr. 5, 1922. Serial No. 549,955. 1 Claim. (Cl. 158—4.)



In a longitudinally arranged oil burning furnace, a bottom wall, side walls and a top wall within the furnace forming a furnace combustion chamber, a horizontal grate positioned about midway of the height of the combustion chamber, a door at the end of said combustion chamber, an oil burner projecting through said door, an element for protecting the flame issuing from the burner supported adjacent said door and on said grate, said element being constructed of fire brick and comprising two vertical walls diverging from said burner, a top wall connecting said side walls, a bottom plate forming a bottom wall fitting between said diverging walls and a third vertical wall connecting the ends of said first mentioned vertical wall, said diverging vertical walls having air inlet openings formed therein rearwardly of the point at which the flame issues from the burner, said third vertical wall having an opening therein for the burner.

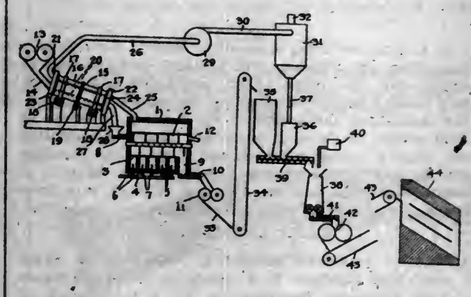
1,481,626. NONSKID CHAIN. ALBERT G. SHELLER, Claysville, Pa.; Ella S. Sheller administratrix of said Albert G. Sheller, deceased. Filed Nov. 10, 1921. Serial No. 514,294. 1 Claim. (Cl. 152—14.)



In a non-skid chain, a plurality of unitary sheet metal saddle members each including a pair of spaced converging end plates bowed to fit the transverse curvature of a tire and joined by a pair of longitudinally curved side bars extending between the end portions of said plates, the ends of the plates being continued beyond the ends of said bars to form loops, links carried by said loops, a pair of spacel calks rising from each of said end plates near the ends of said bars, and side members engaged by said links for supporting the saddle members on a tire.

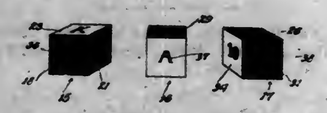
1,481,627. TREATING OF COAL AND MANUFACTURE OF BRIQUETTES. CHARLES HOWARD SMITH, Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va., a Corporation of Virginia. Filed Aug. 9, 1920. Serial No. 402,153. 9 Claims. (Cl. 44—11.)

1. In the handling and treating of coal the method involving passing coal through apparatus comprising a crusher and dryer, passing a stream of hot products of combustion through the dryer in direct contact with the coal therein and employing said stream of hot products of combustion to entrain particles of dust within the coal and produced by the crusher and conveying the raw coal dust entrained to a dust separating means where the raw coal dust is collected, passing the dry coal from the drier to the interior of a retort and herein partially carbonizing the coal, crushing the partially carbonized coal, fluxing the same, adding raw coal dust obtained in the manner outlined prior to the termination of the fluxing operation, and forming briquettes from the fluxed material.



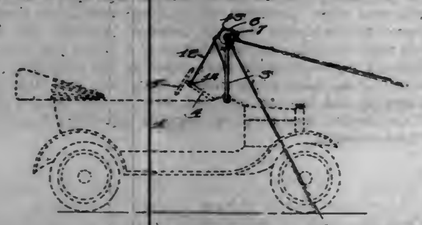
7. An apparatus of the class described comprising in combination with a furnace-retort having a retort wherein coal is partially carbonized and a furnace that provides a combustion chamber on the exterior of the retort for heating the latter, of an associated crusher and dryer arranged to crush coal and to dry the coal preparatory to the introduction of the coal into the retort, means between the associated crusher and dryer whereby dry crushed coal is fed to the interior of the retort, a dust collector, means extending from the combustion chamber of the retort to the dryer and from the drier to the dust collector whereby hot products of combustion from the combustion chamber can be passed into the dryer and in direct contact with the coal whereby dust particles that are within the coal or that are produced as a result of the crushing operation can be removed from the coal being dried, can be conveyed from the coal and can be separately collected in the dust collector, a second crusher, a fluxer, means for conveying partially carbonized residue from the interior of the retort into the second crusher, means for conveying the crushed partially carbonized residue to the fluxer, means for introducing the raw coal dust from the dust collector to a position where the coal dust is mixed with the crushed partially carbonized coal prior to the time that the coal passes from the fluxer, a briquetting press, and means for conveying the fluxed material from the fluxer to the briquetting press.

1,481,628. DICE GAME. JOHN B. SOUZA, Vallejo, Calif. Filed July 3, 1922. Serial No. 572,650. 2 Claims. (Cl. 46—56.)



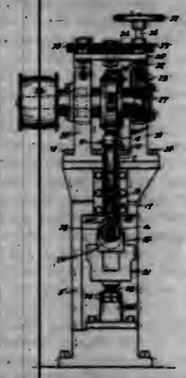
1. In a game comprising a set of three dice, all having the same three ground markings, the opposite sides of each of the dice bearing the same ground marking, and one series of indices for each of said dice, all three dice having the identical series of indices, the same one of the indices occurring on a different ground marking on the different dice, thus spreading one series of indices on the same ground marking over all three dice.

1,481,629. AUTOMOBILE LIGHT. WILLIAM E. STEELE, Olympia, Wash. Filed Jan. 24, 1923. Serial No. 614,690. 2 Claims. (Cl. 240—7.)



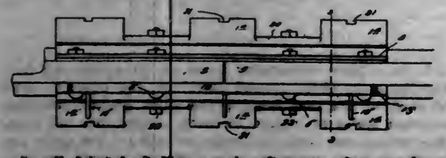
1. A lamp, including a housing, brackets for rotatably supporting the housing, said brackets being formed to clamp upon the frame of an automobile wind shield, said housing being formed with a narrow opening extending throughout the length of the housing, a source of light within the housing, a flexible member for rotating the housing in one direction, and a spring for rotating the housing in the opposite direction, the rotation of the housing changing the direction of light rays from the source of light in their projection beyond the housing.

1,481,630. FORGING MACHINE. MAXWELL H. SUSSMAN, Kew Gardens, N. Y., assignor to The Mohegan Tube Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 12, 1922. Serial No. 606,356. 5 Claims. (Cl. 78—14.)



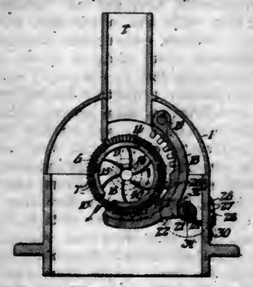
1. A forging machine comprising an anvil for receiving the article on which forging is to take place, an impact member mounted in registry with said anvil and freely movable relatively thereto, both linearly and rotatably, and means for delivering successive blows upon said impact member to one side of its major axis whereby said member is rotated about said axis to produce an even wear upon its impact receiving and impact delivering ends.

1,481,631. RAIL JOINT. EVERT E. SWIFT, Chillicothe, Ill. Filed July 20, 1923. Serial No. 652,744. 1 Claim. (Cl. 238—188.)



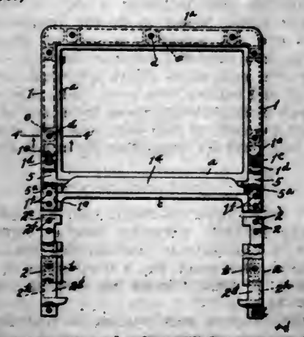
A rail joint including a pair of cooperating members, each member being formed of a relatively long casting provided in the central portion and at the ends with tie engaging extensions beyond the edge of the base flanges of the rails received in said members, said casting having cooperating base flange receiving recesses, upwardly extending walls on said members formed for engagement with the underside of said rail head, one of said members having a wheel bearing flange extending from the upwardly extending wall bevelled at the ends thereof, and stress receiving sections between the wheel flange side walls, and tie engaging extensions for distributing stress to said extensions in line with the central portion thereof and having spike receiving notches for receiving the spikes to secure the member to the respective ties, said members having portions depending below and between the tie extensions, securing means connecting the members carried by said depending portion, and securing elements connecting the upwardly extending walls and the rails for assembling the joints.

1,481,632. MILLING MECHANISM. JOHN W. TATUM, Fallsington, Pa. Filed Mar. 30, 1921. Serial No. 456,821. 7 Claims. (Cl. 83—14.)



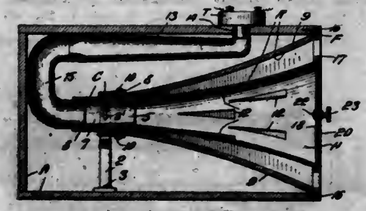
2. In a grinding mill, the combination with a casing; of a hollow cylindrical milling roller, rotatable in said casing, and including a metallic tubular shell having a circumferential series of teeth at its periphery, formed by respectively distinct blades, which may be individually removed and replaced, each tooth having a cutting edge parallel with the axis of said roller; said shell having a series of ventilating slots, each local to one of said teeth; and means arranged to supply compressed air to the interior of said shell, having a nozzle slot with which said roller slots are adapted to successively register as the roller turns; whereby said roller is ventilated, refrigerated and cleaned by the air blast issuing therefrom through said slots.

1,481,633. STOVE FRAME. THOMAS E. TAYLOR, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed Feb. 16, 1923. Serial No. 619,403. 7 Claims. (Cl. 126—190.)



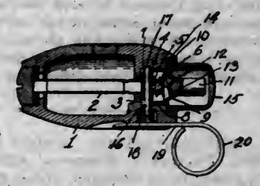
1. In a range, an underchannelled transversely ribbed oven front frame of cast metal provided with bolt receiving openings.

1,481,634. SOUND AMPLIFIER. ADOLPH A. THOMAS, New York, N. Y. Filed Nov. 16, 1922. Serial No. 601,287. 27 Claims. (Cl. 181—27.)



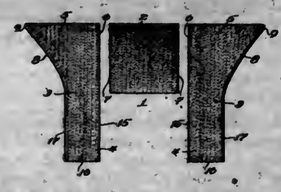
3. A sound-amplifier comprising a pair of nested diverging sound chambers, the walls of the inner chamber being of metal and the walls of the surrounding outer chamber being of non-metallic material, and means for controlling the relative proportion of sound waves issuing simultaneously out of said chambers.

1,481,635. IMPACT FIRING MECHANISM. HALSTEAD P. COUNCILMAN, Asheville, N. C., assignor to Secretary of War of the United States of America, trustee. Filed June 22, 1922. Serial No. 570,250. 4 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



2. A firing mechanism, including a casing, a ring slidable within the casing, a primer carrier slidable within the ring, a striker normally held against movement by the ring and releasable means for normally holding the ring and primer carrier against movement and isolating a primer from the main charge.

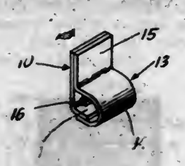
1,481,636. SWEATER. RICHARD H. DEIERT, Jersey City, N. J., assignor to The Chn. Zimmermann & Son Co., New York, N. Y., a Corporation of New Jersey. Filed May 10, 1922. Serial No. 559,725. 2 Claims. (Cl. 2—62.)



1. A sweater having a roll collar consisting of a straight edged back portion and front portions comprising an upper section with a straight inner edge connected with one edge of the back portion and a lower substantially straight edged section, fitted into the front of the sweater body and adapted to lie evenly therewith, the said straight edges of each section being in alinement with each other.

1,481,637. STRESS-BREAKING DENTAL ATTACHMENT. ARTHUR FEINBERG, New York, N. Y. Filed May 16, 1923. Serial No. 639,938. 6 Claims. (Cl. 32—12.)

1. A dental attachment embodying a slotted clasp part, a denture part comprising a loop, the free ends of which are bent into alinement and form two vertical tongues, one of which is adapted to pass through the slot of the clasp part and the other of which is adapted to rest against an



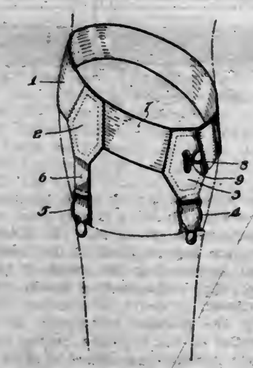
artificial denture, whereby slight movement between said artificial denture and clasp part is permitted without binding.

1,481,638. ACTION LOCK FOR FIREARMS. GEORGE H. GARRISON, Bridgeport, Conn. Filed June 1, 1920. Serial No. 385,705. 10 Claims. (Cl. 42—16.)



1. In a firearm of the type having a firing chamber, breech mechanism closing the firing chamber, and operating mechanism for said breech mechanism, the combination of a latch normally blocking said operating mechanism, a hammer, means connected with said hammer for moving the latter and withdrawing said latch from operative position, said means being so connected with the hammer so as to permit of a further movement of said hammer independently of said means.

1,481,639. GARTER. LEO H. HEIMERDINGER, Oak Lane, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Nov. 10, 1920. Serial No. 422,994. 1 Claim. (Cl. 241—6.)



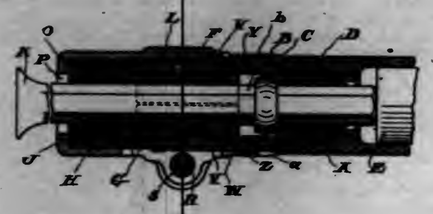
In a garter, the combination of a leg band adapted to encircle the leg in a plane substantially inclined to the horizontal, a plurality of stocking clasps and supporting means therefor secured to the leg band, the supporting means being of different lengths, in order to compensate for said inclination of the leg band, to support the clasp in substantially the same horizontal plane.

1,481,640. REVERSIBLE BOOKCASE. JOSEPH J. HUPPERT, New York, N. Y. Filed Oct. 26, 1922. Serial No. 597,200. 3 Claims. (Cl. 45—1.)



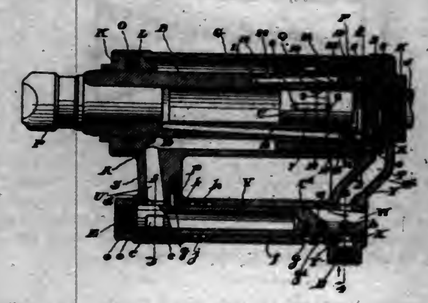
1. A bookcase having front and rear book compartments, and front and rear doors for closing said compartments, the rear door being flexible and adapted to slide vertically to open and close, a bearing supporting said bookcase at one corner thereof and upon which said bookcase is adapted to swing, an element adapted to be automatically rotated as the bookcase swings on the said bearing, and operative connections between said element and said rear door whereby the latter is caused to move vertically as the former rotates.

1,481,641. TIE-TAMPER FRONT-END CONSTRUCTION. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 9, 1920. Serial No. 422,845. 3 Claims. (Cl. 121—32.)



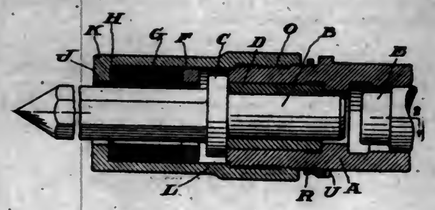
1. A fluid actuated tie tamper of the hammer type, having a fluid pressure cylinder, a tamper steel having a collared shank adapted to extend into the cylinder in position to receive the impact blows of the hammer, a split bushing loosely surrounding the shank of the steel forwardly of said collar and extending loosely into the front end of the cylinder, a sleeve surrounding the steel and extending into the cylinder rearwardly of said collar, whereby the collar on the steel has limited movement between said split bushing and sleeve, a split bushing retaining elastic buffer loosely mounted on the shank of the steel forwardly of said bushing yieldingly holding the split bushing in its rearmost position in the front end of the cylinder, a split metallic buffer washer in front of the said buffer, a barrel nut enclosing said buffer and washer and extending over the front end of the cylinder, and means for retaining said barrel nut in position on the cylinder.

1,481,642. COMBINATION RIVETER. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 12, 1920. Serial No. 422,588. 7 Claims. (Cl. 121—9.)



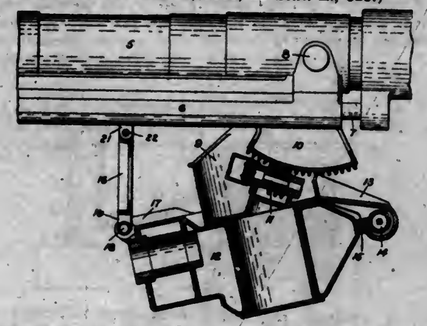
1. A combination riveter and holder-on, comprising a casing having handle extensions at each end, a fluid operated riveting hammer bodily movable in said casing, a single throttle valve mounted in said handle extensions for controlling both the operation of the hammer and the bodily movement of the hammer in the said casing and a sleeve forming a handle for actuating the said valve, whereby the machine may be used either as a holder-on or as a riveter.

1,481,643. PERCUSSIVE-TOOL FRONT-END CONSTRUCTION. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,671. 4 Claims. (Cl. 121—32.)



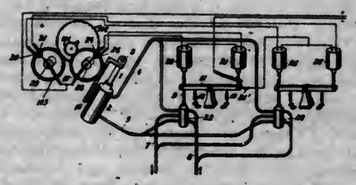
1. A fluid actuated machine of the hammer type, having a fluid pressure cylinder, a working tool in the form of a steel having a collared shank adapted to extend into the cylinder in position to receive the impact blows of the hammer, a collar loosely surrounding the shank of the steel forwardly of said fixed collar on the steel and adapted to receive the impact of the steel as it is driven forward, a sleeve surrounding the shank of the steel rearwardly of said fixed collar and extending into the cylinder, whereby the fixed collar on the steel has limited movement between the sleeve and loose collar, a collar retaining buffer loosely mounted on the shank of the steel and adapted to contact with said loose collar and cushion the blow of the steel, a barrel nut forming a front head enclosing said buffer and collar and secured to the front end of the cylinder, the said barrel nut having an opening in its front end to permit the passage of the working end of the steel, and means for retaining the barrel nut in position on the cylinder.

1,481,644. CRADLE LOCK FOR GUN CARRIAGES. BRYAN P. JOYCE, Davenport, Iowa. Filed Sept. 6, 1923. Serial No. 661,264. 8 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



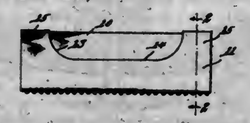
8. In an adjustable cradle lock for gun carriages, a swinging member, means for pivotally mounting said swinging member on said gun carriage and said cradle and means for adjusting the position of said swinging member with respect to said gun carriage and said cradle.

1,481,645. ELECTRIC TELECONTROL ARRANGEMENT FOR POWER DEVICES. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 24, 1921. Serial No. 495,143. 9 Claims. (Cl. 89—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In combination with a power device adapted to be operated by a pressure-medium and to move a heavy object into a desired position, an electric telecontrol arrangement comprising; a device for controlling the action of the said pressure-medium, a primary electromagnet arrangement for affecting the said controlling device to produce a rapid action of the pressure medium, a secondary electromagnet arrangement for operating the said controlling device to produce a slower action of the pressure medium, a coarse adjustment receiver cooperating with the primary magnet arrangement, and a fine adjustment receiver cooperating with the secondary electromagnet arrangement.

1,481,646. COMB. JOSEPH F. KELLY, Fort Dodge, Iowa, assignor of one-half to Harry J. Martin, Fort Dodge, Iowa. Filed Nov. 29, 1921. Serial No. 518,610. 5 Claims. (Cl. 132—28.)



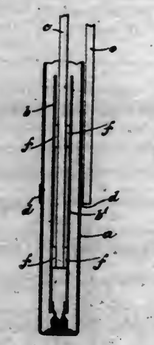
1. The combination with a comb, of a device adapted to receive the comb and having perforations along one edge for the passage of the comb teeth and a recess along its opposite edge, the inner edge of the recess being substantially flush with the back edge of the comb when the latter is in position for use.

1,481,647. PROCESS OF MAKING WATER-COLOR PRINTS. LEWIS E. KELLY, Oakland, Calif., assignor to Herbert E. Bovenizer and H. Lucille Bovenizer, both of Oakland, Calif. Filed Feb. 11, 1922. Serial No. 535,751. 2 Claims. (Cl. 41—25.)



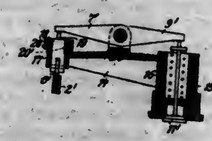
1. The process of making plates for multi-color printing which consists in first taking a zinc plate of the picture to be printed, taking a wax impression from said zinc plate, taking different plaster of Paris impressions of different parts of said wax impression and, taking rubber impressions of said plaster of Paris impressions, respectively.

1,481,648. ELECTRODE. ISAAC H. LEVIN, New York, N. Y. Filed Feb. 26, 1920, Serial No. 361,419. Renewed June 16, 1923. 6 Claims. (Cl. 204—4.)



1. An electrode embodying therein a body portion and a terminal bar mechanically and electrically connected with said portion well within the edges thereof, whereby an effective distribution of the current is secured through the tendency of the current to concentrate toward the edges of the operative area of the electrode, the thickness of said bar being relatively greater than that of said body, and being so proportioned as to its cross-sectional area as to cause said bar and said body to have substantially the same relative electrical capacity.

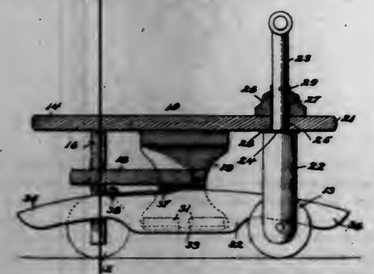
1,481,649. REVERSING GEAR FOR TWO-STROKE CYCLE INTERNAL-COMBUSTION ENGINES. HERMANN MICHEL, Holstein, Germany. Filed Oct. 26, 1922. Serial No. 596,974. 5 Claims. (Cl. 123—90.)



1. In a valve gear for two-stroke cycle internal combustion engines, a valve, a cam disk carrying a plurality of cams for a plurality of cycles, and a valve operating lever adapted to be operated on one side of its fulcrum

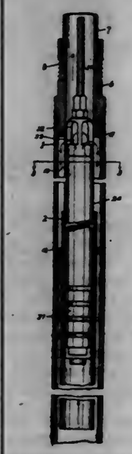
by said cams and the other side thereof being adapted to operate said valve and means for shifting said lever circumferentially of said disk.

1,481,650. TOY CONSTRUCTION. JOHN J. MURPHY, Norwich, Conn. Filed Dec. 2, 1920. Serial No. 427,736. 2 Claims. (Cl. 208—165.)



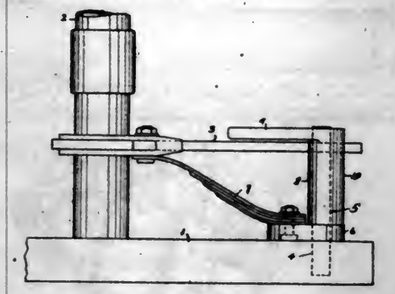
1. In a device of the character described, a platform, a group of wheeled supporting members and a group of rocker supporting members, said wheeled supporting members being united to the platform at points adjacent the extremities thereof, and said rocker supporting members being united to the platform at points adjacent the longitudinal center thereof.

1,481,651. PUMP. JEDDY D. NIXON, Houston, Tex., assignor to Howard F. Smith, Harris County, Tex. Filed Dec. 8, 1921. Serial No. 520,823. 2 Claims. (Cl. 103—220.)



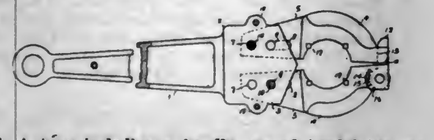
1. A pump including a standing barrel, a working barrel anchored within the standing barrel and spaced therefrom to form a sediment pocket, a valve anchor within the working barrel and spaced therefrom forming a sediment pocket between them, a standing valve fixed to the upper end of said anchor, a reciprocating plunger within the working barrel above said valve, means for centering the working barrel within the standing barrel, said centering means including a spider formed with legs, rings connecting said legs at the upper and lower ends, said legs being supported by the upper end of the working barrel, the lower ring surrounding the working barrel and the upper ring being anchored in the standing barrel.

1,481,652. PIPE-ROTATING ATTACHMENT. JEDDY D. NIXON, Houston, Tex., assignor to Howard F. Smith, Harris County, Tex. Filed Mar. 6, 1922. Serial No. 541,610. 8 Claims. (Cl. 255—35.)



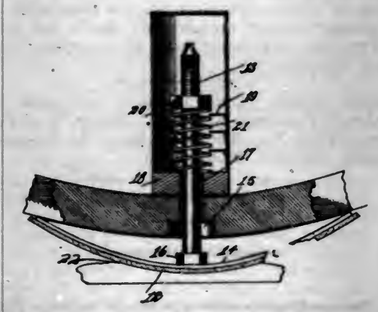
1. A device of the character described, including a tong, an anchor block, and a leaf spring supporting said tong on said block.

1,481,653. DOUBLE-ACTING TONG. JEDDY D. NIXON, Houston, Tex., assignor to Howard F. Smith, Harris County, Tex. Filed Mar. 6, 1922. Serial No. 541,611. 2 Claims. (Cl. 81—66.)



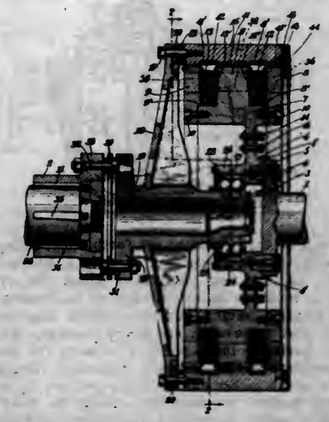
1. A tong including a handle, spaced headplates carried by one end of the handle, and extending laterally each way beyond the handle, a pair of jaws formed with similar shanks which fit between the extended portions of said plates, each shank having a bearing and an oblong slot, a bearing pin carried by the head-plates, and passing through the bearing of one shank and forming a stationary pivot bearing therefor, and a bearing pin carried by said plates and passing through the slot of the other shank, the respective pins forming the only means for connecting the jaws to the handle, means for securing the jaws around the object to be turned.

1,481,654. TIRE ALARM. OWEN H. THOMAS, Osage City, Kans. Filed Oct. 17, 1922. Serial No. 595,123. 4 Claims. (Cl. 116—34.)



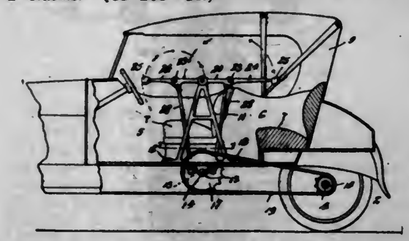
3. The combination with an automobile wheel and its inflatable tire, of a spring plate interposed between the rim of the wheel and said tire, said plate being bowed to press its normal concave side toward the center of the tire, the radius of the bowing being less than the radius of the wheel, a stem extending through the rim of the wheel, and carried by the center of said spring, a housing surrounding the inner end of said stem, sounding reeds projecting radially inward from the sides of the housing and a light spring arranged between said nut and the outer end of the housing, said spring having a diameter greater than the distance between the reeds taken diametrically across the housing.

1,481,655. ELECTROMAGNETIC COUPLING. MILTON E. THOMPSON, Ridgway, Pa. Filed May 20, 1922. Serial No. 562,290. 16 Claims. (Cl. 172—284.)



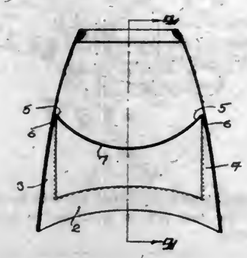
1. In a magnetic coupling a pair of energizing coils wound circumferentially of the coupling members and relatively oppositely, said coils being, relatively, remote from the axis of the coupling and close together.

1,481,656. TOY VEHICLE. WILLIAM J. TRAHANT, New Oreans, La. Filed Aug. 14, 1922. Serial No. 581,611. 2 Claims. (Cl. 208—34.)



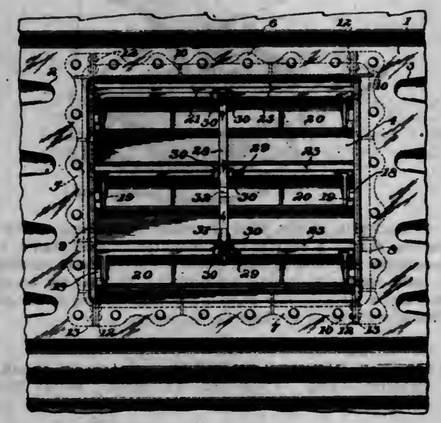
1. An occupant steered wheeled vehicle including a body provided with a floor and having front steering and supporting wheels and rear driving and supporting wheels, said body having front and rear seats with the front seats spaced apart to provide an aisle therebetween, a standard mounted in said aisle and fixed upon the floor of the body, a crank shaft journaled transversely of the body beneath its floor, a lever arranged longitudinally of the body and pivoted between its ends to the upper end of the standard upon a horizontal axis, said lever being provided with handle bars at its ends operable by the occupants of said front and rear seats for rocking said lever, transmission rods connected to said lever forwardly and rearwardly of its pivot and connected to the crank shaft for rotating the latter when the lever is rocked, and means to transmit the rotation of the crank shaft to said rear driving wheels, said handle bars being pivoted to the lever for folding upwardly toward each other and onto the lever when not in use.

1,481,657. PETTICOAT AND PANTALET COMBINATION. ANNA L. VILANDRER, New York, N. Y. Filed July 25, 1922. Serial No. 577,404. 7 Claims. (Cl. 2—42.)



1. A skirt having a continuous side wall formed of a single thickness of material having an independent front centrally located shadow panel extending from the lower edge of said skirt to a point just below the abdominal portion of the skirt whereby only one thickness of material of the garment will cover the abdomen of the wearer, and a panel of like formation and extent on the back of said skirt opposite said first panel.

1,481,658. VENTILATOR. WILLIAM E. WINE, Toledo, Ohio. Filed July 19, 1922. Serial No. 575,923. 3 Claims. (Cl. 189—62.)

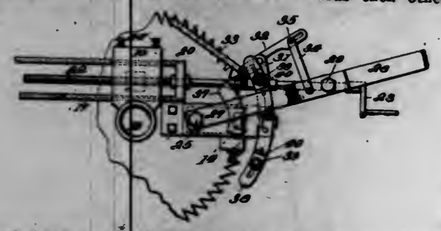


1. A ventilator comprising a frame consisting of two side pieces and an upper and lower rail, upright spaced flanges formed on said upper rail and downwardly extending spaced flanges formed on said lower rail, said side pieces provided with outwardly extending spaced flanges and the said flanges of the several parts registering when said frame is assembled, said side pieces also provided with flanges near their ends to be secured to the end pieces of the upper and lower rails.

1,481,659. SAW SET. JAMES L. ALLEN, Memphis, Tenn. Filed Dec. 18, 1922. Serial No. 607,590. 6 Claims. (Cl. 76—68.)

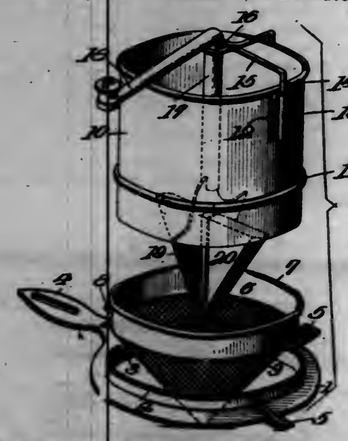
5. A saw set comprising a frame having adjustable anvils spaced apart and between which the saw is adapted to be placed for setting the teeth thereof, a spring pressed punch mounted in each of said anvils, a lever having arms pivotally mounted on said frame, cams

carried by the arms of said lever cooperating with said punches for moving said punches towards each other



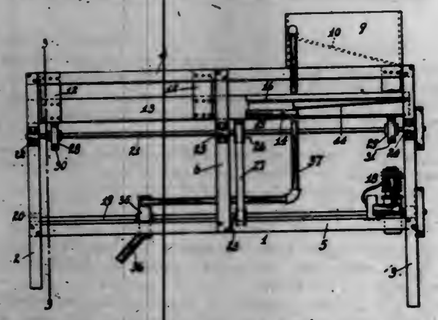
and feeding mechanism operated by said lever for moving the teeth of the saw set in position to be operated on by said punches.

1,481,660. VEGETABLE OR FRUIT STRAINER. EDWARD A. BEACH, Altoona, Pa. Filed Sept. 1, 1923. Serial No. 660,629. 3 Claims. (Cl. 146—175.)



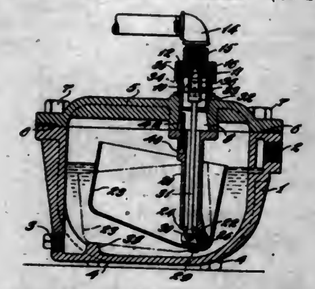
1. A device of the kind described comprising a supporting frame, a conical sieve mounted in said frame, a receptacle mounted in said sieve, a stirrer shaft carried by said receptacle having a bifurcated blade at its lower end and a blade loosely mounted in said bifurcation, said blades conforming in shape to the screen.

1,481,661. METAL SEPARATOR. EDGAR G. CASAD, Oakland, Calif. Filed Feb. 13, 1922. Serial No. 535,973. 7 Claims. (Cl. 83—88.)



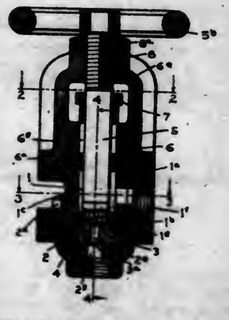
1. In an ore separator, a frame, an inclined trough mounted on said frame, a tray in the bottom of said trough and extending longitudinally thereof, the bottom of said tray being corrugated, means whereby one side of said trough is reciprocated and the other side thereof is gyrated, said reciprocation being substantially transversely of said trough.

1,481,662. STEAM TRAP. THOMAS J. COOKSON, Cleveland, Ohio, assignor to Ohio Blower Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 19, 1918. Serial No. 267,497. 2 Claims. (Cl. 137—103.)



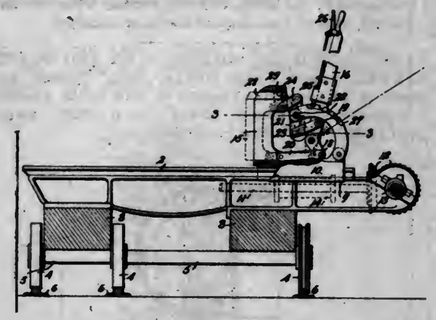
1. A trap of the character set forth, comprising a casing from the top wall thereof depends a tubular outlet extension, an open top shell into which the extension projects to within a short distance of the bottom of the shell, a member having laterally spaced flanges within the shell and removably connected thereto, the outlet extension having a lug depending between the flanges of said member, bearing screws threaded through the flanges of said member and entering recesses in the sides of the lug thereby to pivotally connect the float to the extension, a valve controlling the outlet, and operative connections between the valve and said member.

1,481,663. VALVE. EDWIN H. DAVIS, Battle Creek, Mich., assignor to American Steam Pump Company, Battle Creek, Mich., a Corporation of Michigan. Filed Apr. 4, 1921. Serial No. 458,377. 7 Claims. (Cl. 251—139.)



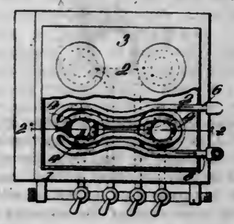
2. A valve comprising a body having an axial chamber, an outlet communicating with said chamber, and upper and lower flanges; a bottom member having a peripheral flange; an axial opening and a recess in its upper side; means for detachably securing the bottom member to the body; a disk in the recess in the bottom member having an axial fluid passage communicating with the axial opening of the bottom member and the chamber in the body; a smaller disk within the body member adapted to close said fluid passage; a yoke bonnet member; means for attaching the bonnet member to the body, said bonnet member having a stuffing box and a valve stem guide above the stuffing box; and a valve stem extending through the stuffing box and guide into the chamber and adapted to engage the smaller disk and hold it against the fluid pressure to control the flow of fluid between the disks, substantially as described.

1,481,664. HEADBLOCK FOR SAW CARRIAGES. AARON C. DICKINSON, Fraser Mills, British Columbia, Canada. Filed July 7, 1922. Serial No. 573,396. 6 Claims. (Cl. 143—122.)



1. An adjustable face for a saw carriage head-block, said face comprising the combination with a head-block having a space extending from front to back through its width, and from adjacent the top to adjacent the bottom, an adjustable face member slidably mounted within said space, means for projecting this face member from the front face of the head-block and for withdrawing it within the same, and means for securing it in any desired position of adjustment.

1,481,665. WATER HEATER FOR STOVES. WILLIAM J. ELLIOTT, Brooklyn, N. Y. Filed Feb. 10, 1922. Serial No. 535,576. 1 Claim. (Cl. 126—53.)



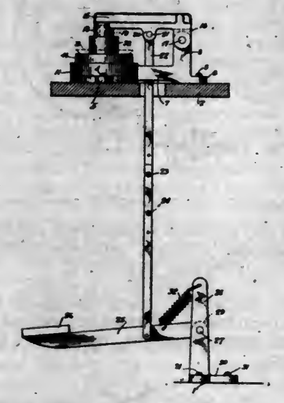
The combination with a gas or vapor stove, of an auxiliary top having a marginal substantially vertically disposed flange adapted to rest on said stove to hold said top spaced therefrom, of a water coil arranged under said top and supported thereby formed of a single piece of pipe having its ends extended through one flange of said top, the intermediate portions of said pipe being bent to form one or more substantially circular portions arranged in the same horizontal plane with the other portion of said pipe and adapted to be disposed over the burners of said gas or vapor stove.

1,481,666. YIELDABLE GATE. JOSEPH P. FRANCIS, Oklahoma City, Okla. Filed Jan. 6, 1923. Serial No. 611,036. 3 Claims. (Cl. 39—5.)



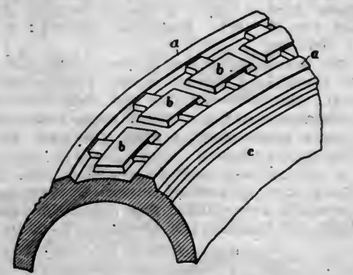
1. A gate of the character described comprising a longitudinally extending bar, a plurality of yieldable panels extending therefrom, means for mounting said bar to swing, spring means tending to maintain said bar in a vertical position and detachable engaging means between the free end of said bar and a portion of the spring means.

1,481,667. MEANS FOR SETTING NONBREAKABLE WATCH CRYSTALS. JOSEPH GOTTLIEB, Brooklyn, N. Y. Filed May 5, 1922. Serial No. 558,818. 4 Claims. (Cl. 29—84.)



1. A device for setting non-breakable crystals including a die having recesses of various diameters in opposed faces thereof, shoulders on opposed faces of said die, and a punch adapted to operate into said die, the operating face of said punch being convex.

1,481,668. NONSKID TIRE. OTTO IHLAU, Hanover, Germany, assignor to Continental Caoutchouc- und Gutta-Percha-Compagnie, Hanover, Germany, a Firm. Filed July 27, 1921. Serial No. 487,926. 2 Claims. (Cl. 152—14.)

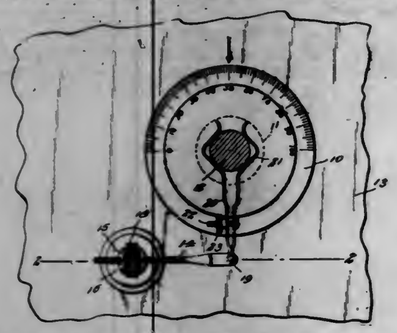


2. A skid-resisting tire having on its tread a plurality of transversely spaced continuous circumferential ribs and intermediate cruciform blocks, the circumferentially extending portions of the blocks having a greater transverse width than the continuous ribs, and constituting an interrupted mid rib of substantially the same elevation as the transversely spaced continuous ribs, and the transverse portions of said cruciform blocks extending between said continuous ribs and the circumferentially extending portions of the blocks.

1,481,669. ADJUSTING DEVICE APPLICABLE TO DIAL-CONTROLLED INSTRUMENTS FOR WIRELESS TELEGRAPHY AND TELEPHONY. WILLIAM N. JUSTICE, Baltimore, Md. Filed June 9, 1922. Serial No. 566,976. 1 Claim. (Cl. 74—7.)

The combination with a rotatably mounted member, of a pivotally mounted bearing spaced from said member and including spaced bearing arms, a threaded arm

slidable through openings in the bearing arms, a rotatable adjusting member positioned between the bearing arms and threadedly engaging the threaded arm, whereby



the latter may be moved longitudinally and means secured to the threaded arm and rotatably mounted member, whereby the latter may be adjusted.

1,481,670. SHINGLE. JAMES ARCHIBALD MACALLISTER and ELISHA FREDERICK STOCKUM, Ashland, Wis. Filed Apr. 15, 1922. Serial No. 552,920. 3 Claims. (Cl. 108—8.)

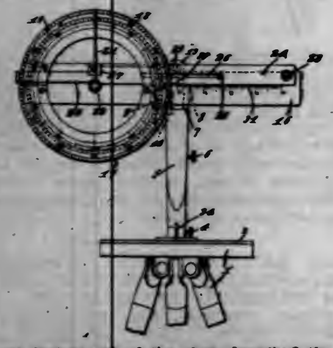


3. A shingle comprising a wooden core coated with stucco.

1,481,671. YEAST COMPOUND AND PROCESS OF MAKING THE SAME. THOMAS J. ALLEN, Eureka Springs, Ark., assignor to The Yeastole Company, Eureka Springs, Ark., a Corporation of Arkansas. Filed July 7, 1921. Serial No. 483,070. 8 Claims. (Cl. 195—20.)

1. The process of making a yeast compound consisting in preparing a starter, mixing a cereal meal with charcoal, heating the mixture and then allowing it to cool, adding the starter to the mixture, maintaining the whole at a temperature at which the yeast will grow, then drying the product.

1,481,672. TRANSIT. PIERCE BUTLER ANDERSON, Brownsville, Tenn. Filed Sept. 19, 1922. Serial No. 589,174. 3 Claims. (Cl. 33—65.)



1. In an instrument of the class described the combination with an angularly adjustable member and movable sights thereon normally disposed at a known distance apart, of means for indicating the extent of movement of one of the sights when shifted from its normal position, said means including cooperating fixed and movable graduations, a dial, and a pointer operated by the movement of the sights and cooperating with the dial to indicate minute fractions of units or measure.

1,481,673. COMBINED ROLL-HOLDING AND PLATE CAMERA. JEAN LOUIS BAILLE, Paris, France, assignor to Societe Baille-Lemaire et Fils, Paris, France, a Corporation of France. Filed Feb. 6, 1923. Serial No. 617,369. 3 Claims. (Cl. 95—31.)



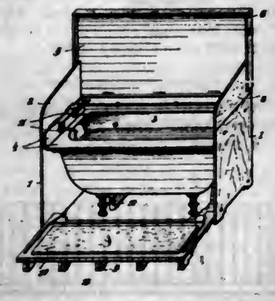
1. In a film photographic apparatus, a tension roller for the film arranged at the upper or lower part of the apparatus, an axis supporting this roller, a lever secured at each end of the said axis, an axis of rotation for each lever, resilient means acting on each lever for bringing back the rollers inwardly, means for moving the rollers outwardly when the apparatus is closed.

1,481,674. HOSE CLIP. FREDERICK JOHN TREVALLON BARNES, Hamilton, near Brisbane, Queensland, Australia. Filed Jan. 6, 1922. Serial No. 527,452. 4 Claims. (Cl. 24—19.)



1. In a hose clip, a tension piece having a portion thereof curved to conform with the contour of the hose and having openings in the ends thereof, a hose embracing band having a curved portion and extended and substantially parallel ends engaging with the opening in the tension piece, one of the openings in said tension piece being disposed in a plane substantially tangential to the band and the other opening being disposed in a plane substantially radial of the curved portion of the band, and means for tightening said band.

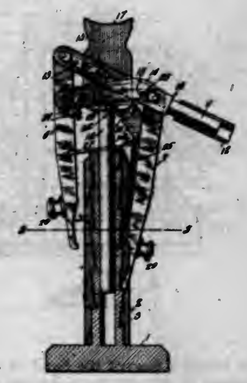
1,481,675. BATH. KENNEDY BERESFORD, Meran, Italy. Filed Feb. 7, 1923. Serial No. 617,616. 3 Claims. (Cl. 4—175.)



1. In a bath the combination of a bath tub and a casing enclosing the same, the said casing comprising side walls, wings hinged to the upper edges of the side walls and adapted to be folded upwards into a substantially

vertical position, a front wall adapted to be folded downwards into a position inclined to the horizontal and a lid adapted to be folded upwards into a substantially vertical position, this lid being adapted to engage with the rear edges of the said upwardly folded wings.

1,481,676. AUTO JACK. DEALEY F. BISHOP, Greenville, Tex. Filed Apr. 30, 1923. Serial No. 635,652. 7 Claims. (Cl. 254—109.)



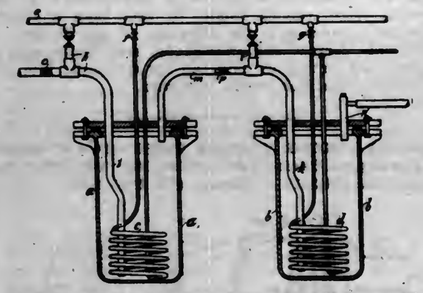
5. In a lifting jack an upright stationary column provided on its opposed faces with a pair of racks the teeth of one alternating with those of the other, a column movable vertically relative to the stationary column and supported thereby, a lever fulcrumed on said movable column, a pair of main pawls pivoted to and depending from said lever on opposite sides of the columns, and adapted to engage said racks, yielding means to force said pawls into engagement with said rack, auxiliary pawls pivoted at one end to said main pawls below the pivotal connection of the main pawls with the lever, said auxiliary pawls facing in opposite directions, said auxiliary pawls having notches in their free ends, pins on said lever for engagement by the notched ends of said pawls when the vertical column is to be lowered, said auxiliary pawls having notches in their lower edges intermediate their ends, and a crank shaft to engage said intermediate notches when the movable column is to be raised, thereby disengaging the notches of the said auxiliary pawls from said pins.

1,481,677. SHELL FUSE. ARTHUR E. BLASHILL, Westmount, Quebec, Canada. Filed July 3, 1917, Serial No. 178,516. Renewed Mar. 2, 1922. Serial No. 540,666. 25 Claims. (Cl. 102—37.)



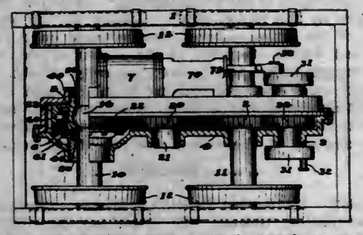
8. In a shell fuse the combination with the body thereof having an axial magazine extending substantially throughout the axial length thereof, a pair of chambers arranged in parallelism with the axis and in the same diametric line, a flash hole leading from the magazine through the body, in the same annular plane as one of the pellet chambers, an annular explosive chamber within the base of the body, a pair of explosive chambers disposed parallel to the axis and extending substantially throughout the body from the annular chamber to the top and in a diametric plane at right angles to the diametric plane of the pellet chambers, passages effecting communication between the magazine and the explosive chambers, fixed and movable time rings, each having a time groove in the underside thereof the lower being movable and the upper fixed, the said upper time ring partially enclosing the top of the said body and having a detonator chamber in alignment with and eccentric to one of the pellet chambers, and having a lateral flash hole communicating with the magazine, time and percussion pellets in the pellet chambers, the percussion pellet having an eccentric firing pin at one end and in juxtaposition with the detonator chamber; shear pins rigidly temporarily retaining the pellets in fixed position spaced from the bottom of the chambers; a yielding resistance retaining the percussion pellet away from the detonator; a detonator carried by the lower end of the time pellet, a firing pin on the bottom of the chamber of the time pellet and such time pellet having a flash slot in its side communicating with the detonator, and registering with the flash hole in the wall of the body, and the said body having a flash hole leading from a point in communication with the lower fuse ring to the magazine.

1,481,678. ESTERIFICATION OF OILS. EDWARD RICHARDS BOLTON and ERNEST JOSEPH LUSH, London, England, assignors to Technical Research Works, Limited, London, England. Filed Feb. 21, 1921. Serial No. 446,866. 4 Claims. (Cl. 87—4.)



1. A process of treating fatty oils which comprises heating an oil containing an undesirably large excess of free fatty acid, to a temperature of between 160 and 250° C., and while such oil is at said temperature, introducing thereinto, a current of vapor of glycerin mixed with steam, and continuing such treatment until a large fraction, at least, of the free fatty acid has been converted into glycerin of fatty acid.

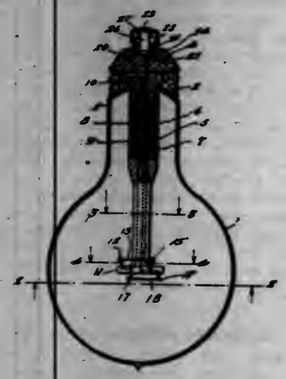
1,481,679. LOCOMOTIVE. WILLIAM E. BOUSCHOR, Seattle, Wash. Filed Oct. 16, 1922. Serial No. 594,867. 4 Claims. (Cl. 105—115.)



1. The combination with a bogie truck, a gear secured to a truck axle, a gear housing having supporting connection with another truck axle, a pinion meshing

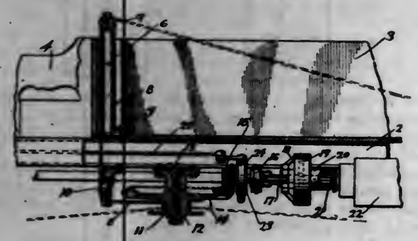
with said gear and journaled in the housing above the plane of the truck axles, cranks connected with the outer ends of said pinion shaft, and an engine carried upon said housing at each side and connected with said cranks.

1,481,680. INCANDESCENT LAMP. CLYDE BRINDEL, Yorktown, Ind. Filed Jan. 10, 1921. Serial No. 436,189. 3 Claims. (Cl. 176—26.)



1. In an incandescent lamp, a base, a filament, a feed wire connected to one end of said filament, a supporting sleeve carried axially by said base, a second feed wire connected to the other end of said filament, a removable contact cap carried by said sleeve and a contact pin carried by said cap for movement into engagement with said second feed wire.

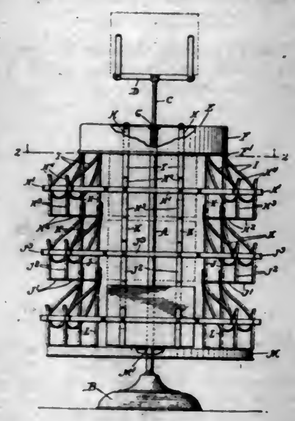
1,481,681. MOTOR VEHICLE HOIST. DON C. BRYAN, Huntington Beach, Calif. Filed May 16, 1922. Serial No. 561,541. 1 Claim. (Cl. 254—166.)



In combination with a motor vehicle and the transmission gear thereof, a pinion shift and a clutch disposed parallel and to one side of the axis of the vehicle and connectible to the transmission to be driven thereby, a brake on the pinion shift, a pinion on the shaft in front of the brake, a bevel gear mounted on a vertical axis and within the sides of the chassis of the vehicle and engaging the pinion and forwardly of the transmission, said bevel gear having a hub portion forming a winding drum, and a cable leading to and from the drum to be wound on and from the drum, the bevel gear being disposed at the rear of the cab of the vehicle.

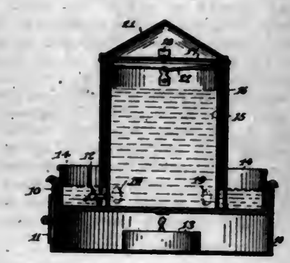
1,481,682. HAIR-NET DISPLAY RACK. BENJAMIN J. BUCKINGHAM, Chicago, Ill. Filed Jan. 21, 1922. Serial No. 530,765. 8 Claims. (Cl. 211—20.)

1. A display pocket and yielding means adapted to hold the contents thereof against the front of said pocket and in upright position thereagainst, said yielding means comprising a loop leaf spring forwardly and



downwardly inclined toward the front of said pocket and adapted directly to engage the contents of the pocket.

1,481,683. POULTRY FOUNTAIN. JOHN D. BUMP, Cameron, N. Y. Filed June 27, 1922. Serial No. 571,328. 1 Claim. (Cl. 119—73.)

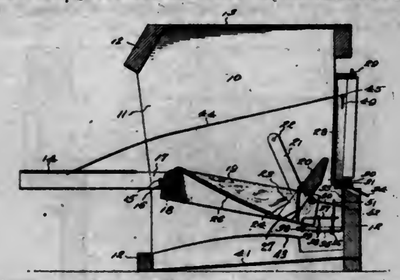


An automatic drinking fountain comprising a trough, a tank open at the upper end and connected at its lower end water tight to the bottom of the trough, a laterally directed draw off device connected to the tank below the line of the rim of the trough, and a hood closed at the upper end and enclosing the tank and bearing loosely at its lower edge upon the bottom member of the trough, said hood having a downwardly opening recess to engage over said draw off and with a plurality of transverse apertures with their upper edges below the line of the upper edge of the trough.

1,481,684. TRAP NEST. EDWIN ALFRED BURR BUTTERFIELD, Molalla, Oreg. Filed June 9, 1922. Serial No. 567,130. 3 Claims. (Cl. 119—47.)

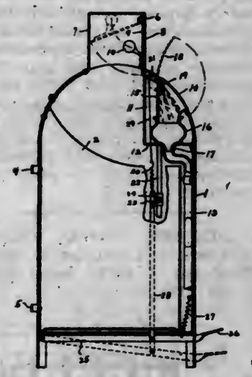
1. A trap nest comprising a housing, a pivotally mounted normally open entrance door, a normally closed exit door, a nest movable within the housing and having one end pivotally connected to one end of the entrance door, whereby the latter will be closed when the nest is occupied by a hen, a latch for holding the exit door in closed position, means operated by the weight of an

egg for actuating the latch to release the exit door, and a rod having one end connected to the entrance door



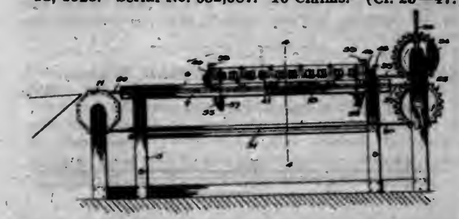
and its opposite end slidingly engaging the exit door, whereby the exit door will be closed by the opening of the entrance door.

1,481,685. GARBAGE CAN. GEORGE W. BURROWS, Houston, Tex. Filed Aug. 13, 1921. Serial No. 491,080. 5 Claims. (Cl. 220—1.)



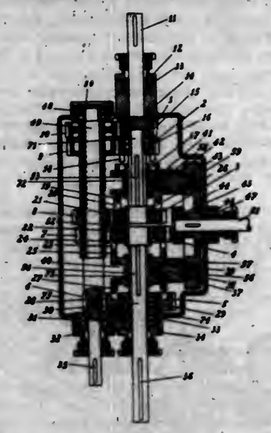
1. A device of the character described, including a surrounding casing or shell having an entrant opening, a removable garbage receptacle in said shell underneath the opening, a hinged shutter normally hanging vertically and closing said opening, a separate removable compartment within the shell, forming a cuspidor, a hinged cover for said cuspidor, a hinged lever, one end of which is formed into a pedal and a connection between said lever and said cover, through which the lever may be operated to open the shutter.

1,481,686. PLASTIC MOLDING MACHINE. JAMES FREDRICK CALDWELL, Los Angeles, Calif. Filed Apr. 14, 1923. Serial No. 632,087. 10 Claims. (Cl. 25—47.)



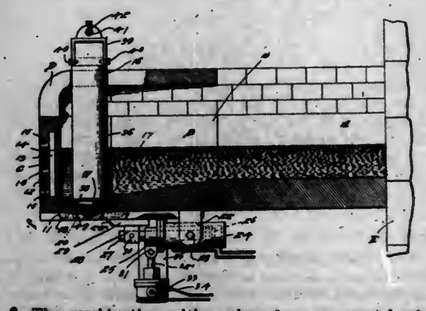
7. A molding machine comprising a frame, a series of bottom walls carried thereby, pairs of partitions arranged between the bottom walls and having means whereby the same are supported in slightly inclined positions when collapsed, cables connected to the series of bottom walls for moving the series of bottom plates longitudinally of the frame and for returning the same to their operative positions, end walls hinged to the frame and adapted to contact with the ends of said partitions whereby to cooperate with the same in defining compartments, means whereby to swing the end walls outwardly, and cores received in said compartments to define openings in the blocks formed.

1,481,687. CHANGE-SPEED GEAR. TITO L. CARBONE, Zurich, Switzerland. Filed Dec. 23, 1919. Serial No. 346,908. 1 Claim. (Cl. 74—59.)



In a change speed gear, a pair of coaxially mounted shafts one having a fixed gear and the other having a plurality of loose gears of various diameters, a third shaft mounted parallel with the pair of shafts and having a fixed gear engaged with the first named fixed gear, and fixed gears of various diameters respectively engaged with the first named loose gears, clutch elements slidably mounted each between a pair of the first named loose gears and on the same shaft therewith and for rotation by said shaft, a cam arranged for partial rotation and having cam grooves, tappet members engaging said cam grooves, tappet members respectively engaged to said clutch elements, pivotally mounted members arranged between the cam and the clutch elements and on which said tappet members are mounted, and means to operate said cam, the cam grooves of the cam being so constructed and arranged as to enable the clutches to be progressively shifted whereby one groove engages and disengages two gears.

1,481,688. GLASS-DELIVERING APPARATUS. JOHN W. CARNAHAN, Blackwell, Okla. Filed July 26, 1919. Serial No. 313,516. 19 Claims. (Cl. 49—55.)

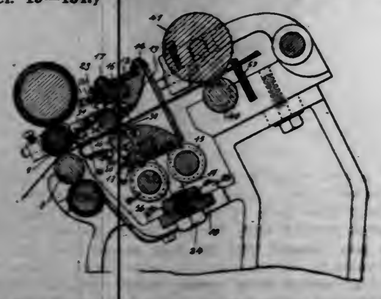


8. The combination with a glass furnace snout having a discharge opening, of a knife cutting off the glass discharge through the opening, and means for shifting the

knife transversely across the opening and then lowering the knife away from the discharge opening and returning it to its initial position.

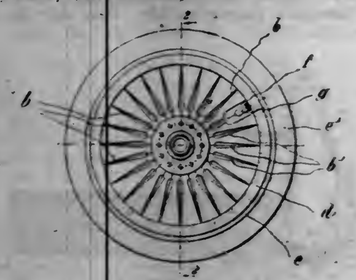
19. The combination with a glass furnace snout having a discharge opening in its bottom, of an annular bushing of refractory material disposed in said discharge opening and through which the glass passes, a metallic plate in the bottom of the snout having an outwardly and downwardly flared opening larger than the opening of the bushing, means for cooling said plate, a vertically shiftable plug disposed within the snout and having its lower end reduced to form a portion fitting the lower end of the bushing, a shoulder above said bushing, adapted when the plug is lowered, to rest on the bushing and cut off the flow of glass therethrough, the lower end of the plug having the form of an inverted cone, and a knife disposed against the metallic plate and reciprocable across the axis of the opening therethrough and below the conical lower end of the plug when the latter is lowered to thereby cut off the thread of glass depending from the extremity of the plug when the plug is lowered.

1,481,689. DRAWING MECHANISM FOR TEXTILE ROVINGS. FERNANDO CASABLANCAS, Sabadell, Spain. Filed May 25, 1921. Serial No. 472,453. 4 Claims. (Cl. 19—154.)



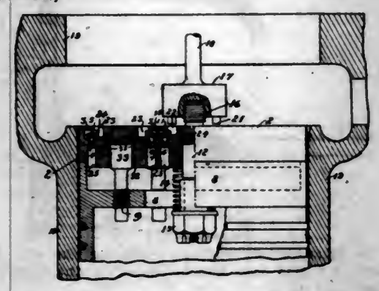
1. In a drawing mechanism for textile rovings, drawing rollers, feeding means placed close to said drawing rollers adapted to move in a direction toward said drawing rollers for positively feeding the roving to the drawing rollers, said feeding means also mounted to rotate around the axis of the roving for imparting a false twist to the roving, and means to rotate said feeding means and simultaneously to move said feeding means towards the drawing rollers.

1,481,690. VEHICLE WHEEL. ANDRÉ MARIUS CAUSSE, Paris, France. Filed Mar. 29, 1922. Serial No. 547,699. 2 Claims. (Cl. 301—64.)



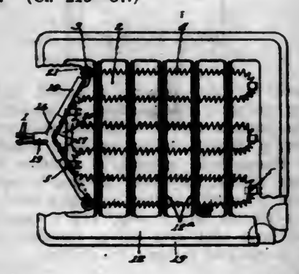
1. A wheel comprising a hub, a felly, a series of intermediate spoke sections secured to said hub and said felly and having a flaring contour so that said spoke sections have abutting edges intermediate said hub and felly, said spoke sections having cut-out portions adjacent said abutting edges.

1,481,691. COMPRESSION PUMP. LEWIS CREW and WILLIAM FREDERICK JENNINGS, London, England. Filed Dec. 9, 1922. Serial No. 605,798. 3 Claims. (Cl. 277—60.)



1. In a compression pump, in combination, a plurality of ring valves, one of said valves being centrally disposed with respect to the remaining valves that are disposed equidistantly from and around said central valve, a disc formed with a central housing for said central valve and similar housings disposed equi-distantly from and around said central housing for the remainder of said valves, a plurality of studs formed by the intersection of said housings, a resiliently mounted cover plate for the central valve, a plurality of fixed cover plates for the remaining valves, locking and interengaging projections on said fixed cover plates and said central cover plate and means for raising and rotating said central cover plate to rest on the aforesaid studs whereby said projections are disengaged permitting removal of the cover plates, substantially as described.

1,481,692. ELECTRIC STOVE. CLAUDE H. COOK, HARRY J. LEWIS, and CHARLES E. LEWIS, Cleveland, Ohio. Filed Aug. 4, 1921. Serial No. 489,828. 21 Claims. (Cl. 219—37.)



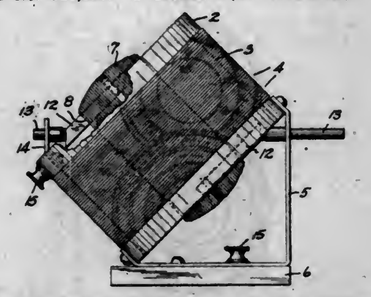
1. An electric stove, comprising a heating element, a plate member therefor formed of non-conducting heat-resisting material, detachable legs for engaging and supporting said plate member, and a brace plate having positive interlocking and detachable connection with said legs.

1,481,693. TROLLEY-WIRE GUARD. GEORGE W. CRESCH, Twila, Ky. Filed June 26, 1923. Serial No. 647,860. 4 Claims. (Cl. 191—35.)



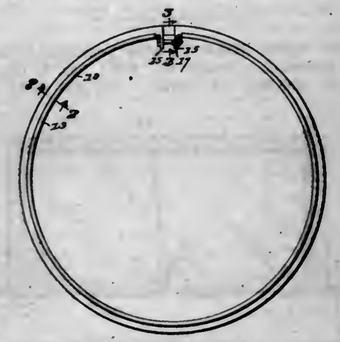
1. A trolley wire guard, comprising a flexible support, means for suspending said flexible support along the trolley wire, means provided in conjunction with said flexible support for tensioning it, and insulating plates suspended from the flexible support.

1,481,694. VARIOCOUPLER. ERNEST G. DANIELSON, San Francisco, Calif., assignor to Elmer T. Cunningham, San Francisco, Calif. Filed Nov. 8, 1921. Serial No. 513,857. 4 Claims. (Cl. 171—119.)



1. In combination, a pair of coils relatively movable so as to vary the extent of coupling, means for rotatably mounting the movable coil within the stationary coil, comprising bars fastened to the inside of the movable coil at diametrically opposite points and extending beyond the coil, rotatable shafts fastened to these bars, the axis of the shafts being oblique to the axes of both coils, and a bearing for one of said shafts carried by the stationary coil.

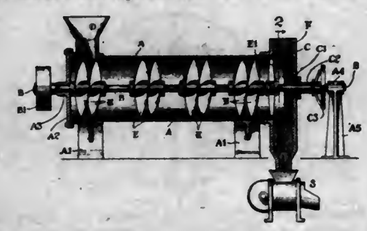
1,481,695. DEMOUNTABLE RIM. THOMAS DOOTSON, Everett, Wash. Filed Sept. 19, 1922. Serial No. 589,170. 1 Claim. (Cl. 301—35.)



A demountable tire rim comprising a continuous band provided at one of its side edges with a depressed channel having a recess which spaces the ends of the channel from each other, the continuous band having at one edge a continuous flange, the channel portion having at its outer edge an upturned lip which extends the full length of the channel portion and which terminates at its ends at the opposite side edges of the recess, a detachable band adapted to fit snugly in the depressed channel and completely filling the same, said detachable band being split transversely and having inwardly disposed ears which extend through the recess, the outer surfaces of the ears being flush with the extremities of the ends of the split band and an draw bolt passing transversely through the ears and adapted to draw the inner surfaces of the ears in close contact with each other whereby the ends of the split band may be brought in contact with each other.

1,481,696. SEPARATION OF GARLIC FROM WHEAT. DAWSON W. DURRETT, Clarksville, Tenn. Filed June 1, 1923. Serial No. 642,841. 10 Claims. (Cl. 130—18.)

1. In an apparatus of the kind described, the combination of walls forming a chamber having an inlet and an outlet the wall around the outlet being plurally edged, a disc placed loosely across the outlet and across said plural edging, means for yieldingly pressing the disc against the part of the wall surrounding the outlet, and means in the chamber for moving mingled grain and garlic toward and against said disc with sufficient force

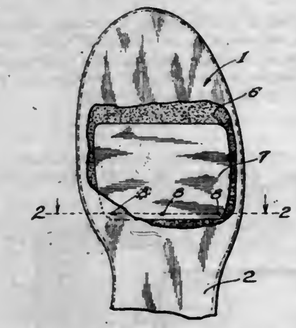


to press the grain and the garlic outward between the disc and the chamber wall, whereby in passing between the disc and said wall the wheat kernels are not injured and the garlic is crushed, ruptured or lacerated, substantially as described.

1,481,697. CONCENTRATION OF METALLIC VALUES OF ORES, METALLIFEROUS RESIDUES, AND THE LIKE. WILLIAM HENRY DYSON, Normandy, near Guildford, and LESLIE AITCHISON, Birmingham, England. Filed Oct. 4, 1921. Serial No. 505,362. 12 Claims. (Cl. 23—13.)

1. The process for the separation of a metal of the tungsten group from metalliferous materials containing such a metal in oxidized form which comprises heating the oxidized material out of contact with any carbon or sulphur bearing reducing agent in the dry way in a halogen atmosphere at such a temperature as to bring about the direct conversion of the oxidized metal of said group into a halogen derivative and effect the volatilization thereof.

1,481,698. FOOT-SOLE PROTECTOR. JOSEPH S. EDWARDS, Los Angeles, Calif. Filed May 11, 1921. Serial No. 468,601. 1 Claim. (Cl. 36—30.)

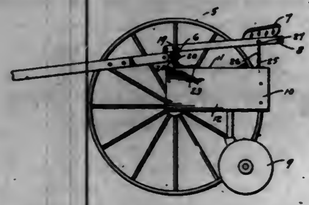


A shoe having a metallic protecting plate embedded in the sole thereof to extend over the ball of the foot, its rear edge terminating at the rear of the ball of the foot along a line short of the line of natural bend in the foot when walking, and its forward edge terminating short of the toe portion of the sole.

1,481,699. FENDER. REUBEN N. EVANS, Dell Rapids, S. Dak. Filed Dec. 24, 1921. Serial No. 524,580. 2 Claims. (Cl. 97—179.)

1. An operator's fender for agricultural implements embodying an implement including a driver's seat, a body member disposed adjacent the seat, said body member having downwardly divergent sides, braces disposed

within the forward and rear ends of the body member and secured to said sides and said body member, a bracket carried by one end of said body member for engagement with a portion of the implement, and a chain connected



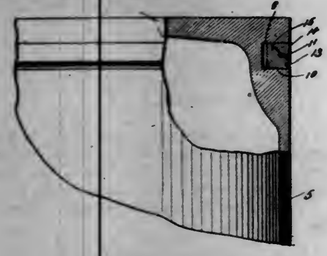
to the opposite end of said body member for engagement with a portion of the implement adjacent the seat, said bracket and chain being adjustable longitudinally of the body member.

1,481,700. METHOD OF DISPENSING ICE CREAM. SEVERT M. FATLAND, Charleston, Wash. Filed Dec. 8, 1922. Serial No. 605,626. 2 Claims. (Cl. 206—56.)



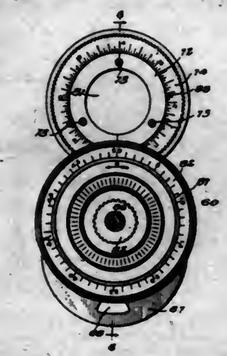
1. The method of dispensing ice cream, which includes placing the ice cream in an elongated rigid tube, cutting off a section of the tube and contents as desired, and inserting a closure in one end of the section, and employing said closure to function as a follower.

1,481,701. PISTON RING. JOHN B. FECHT, Rockwell City, Iowa. Filed Nov. 25, 1919. Serial No. 340,646. 4 Claims. (Cl. 74—109.)



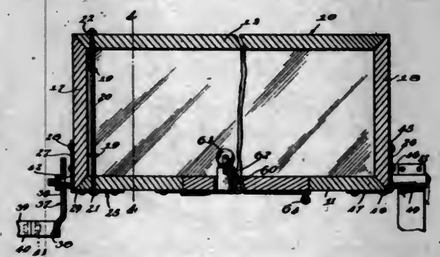
1. A piston ring having a plurality of coacting sections, one of said sections being expansible, the other section being contractile and said sections having contacting inclined walls extending upwardly and inwardly toward the top of the piston whereby the ring will contract on exhaust strokes of the piston to reduce friction between the ring and the cylinder wall.

1,481,702. BELT CALCULATOR. GUSTAV RICHARD FICKERT, Hoboken, N. J. Filed May 26, 1922. Serial No. 563,849. 4 Claims. (Cl. 235—113.)



1. A belt calculator for determining belt stretch, comprising two movable graduated members adapted to be set in a predetermined relation to one another, one graduated to represent lengths of belt, the other indicating belt stretch for the different lengths of belt to give the proper tension, and trains of gears for the different factors of stretch associated with one of the movable members and adapted to be selectively associated with the other movable member to operate the belt stretch scale to indicate belt stretch when the belt scale is moved to indicate a length of belt.

1,481,703. SIGN. HARRY CHARLES FORBES and PAUL EDWARD SHERRILL, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 605,256. 3 Claims. (Cl. 40—129.)



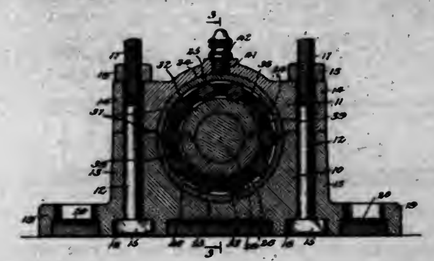
1. In a sign, a sign casing and a mounting therefor including a shouldered stud at one end of said casing, a smooth trunnion at the opposite end of said casing, a standard coacting with the shouldered stud, a nut threaded on the stud and coacting with the standard for holding the sign box against longitudinal displacement and a bracket having clamped bearings cooperating with the trunnion for holding the trunnion and the sign box against rotation.

1,481,704. TOY VEHICLE. ALFRED C. GILBERT, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn. Filed Dec. 16, 1920. Serial No. 431,202. 3 Claims. (Cl. 280—875.)



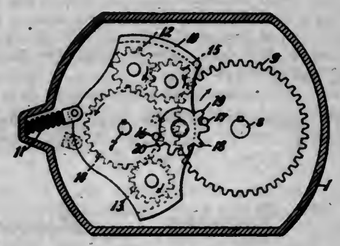
1. In a toy vehicle, a sectional tongue member comprising a plurality of elongated strip members secured together to form one section of said tongue member, and another strip member having one end secured to an end of said section in overlapping relation.

1,481,705. BEARING. MANUEL G. GIMENO, Bayonne, N. J. Filed May 2, 1922. Serial No. 558,020. 2 Claims. (Cl. 64—62.)



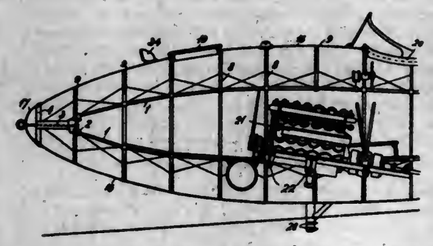
1. A bearing or journal for a shaft or axle comprising a pair of separable housing sections adapted to be associated with each other, an outer wear element comprising a pair of separable semi-cylindrical sleeve sections adapted to be associated with each other and arranged within the housing, a common means for clamping the housing and wear element sections together for retaining said wear element sections positioned within the housing sections, an inner wear element comprising a pair of semi-cylindrical sections having interengageable means for locking the same on the shaft or axle for movement therewith, said locking means being engageable and disengageable by relative axial movement of the inner wear element sections, complementary annular flanges at the opposite extremities of the inner and outer wear elements, and anti-friction rollers interposed between the confronting peripheral faces of the inner and outer wear elements and retained therein against axial displacement by the complementary end flanges of said elements.

1,481,706. REVERSING MECHANISM. ADAM M. GOODWIN, Wilkinsburg, Pa. Original application filed Aug. 9, 1920, Serial No. 402,272. Divided and this application filed Oct. 25, 1921. Serial No. 510,257. 9 Claims. (Cl. 74—50.)



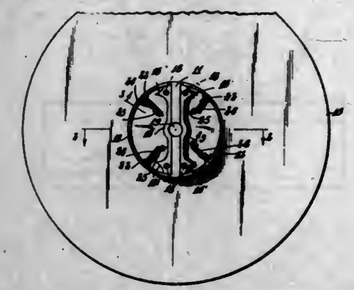
8. Reversing mechanism comprising a movable bracket, a driven shaft, an engaging member thereon, driven members rotatably mounted in said bracket and arranged to engage one at a time with the member on the driven shaft for driving said shaft in opposite directions of rotation, a segmental pinion, and a projection on the engaging member of the driven shaft arranged to actuate said segmental pinion for causing it to act upon the bracket to alternate the engagement of the rotatably mounted members on the bracket with the engaging member on the driven shaft.

1,481,707. HULL OR BODY CONSTRUCTION OF SHIPS, AIRCRAFT, AND MOTOR ROAD VEHICLES. GUSTAVUS GREEN, Twickenham Green, England. Filed Apr. 9, 1923. Serial No. 630,911. 6 Claims. (Cl. 244—2.)



1. A framing for hulls of vessels and bodies of vehicles and aircraft comprising longitudinal frame members conformed to the shape of the hull, hoops encircling said members at intervals, plummer blocks secured on said hoops and each surrounding a longitudinal member, a second series of hoops surrounding the first, and tension members joining inner and outer hoops.

1,481,708. FILM-WINDING REEL. ALFONSO GUERRA, Laredo, Tex. Filed Dec. 14, 1922. Serial No. 606,772. 5 Claims. (Cl. 242—74.)



3. In a film winding reel, a drum having a longitudinal slot, and resilient film gripping means within the drum, comprising a gripper bar, a pair of parallel links on which said bar is mounted, and a spring urging said gripper bar to operative position.

1,481,709. PIPE. GEORGE F. HAUF, Chicago, Ill., assignor to Robertson Brothers Manufacturing Company, a Corporation of Illinois. Filed Apr. 22, 1921. Serial No. 463,468. 2 Claims. (Cl. 137—75.)

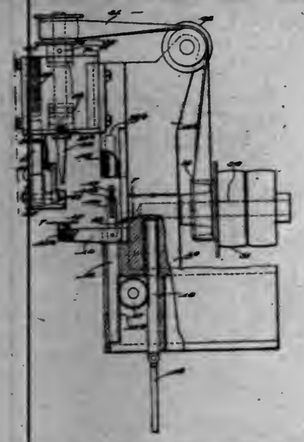


1. A method of making a pipe section which comprises folding over one edge of a sheet metal blank to form two parallel adjacent layers of metal, rolling the sheet into a tube having the two parallel layers of metal at one end, and bending outwardly both layers into a projecting reenforcing bead.

1,481,710. APPARATUS FOR CUTTING AND HEADING RIVETS. AUGUSTUS HECK, Cambridge, Mass. Filed May 13, 1921. Serial No. 469,142. 12 Claims. (Cl. 78—48.)

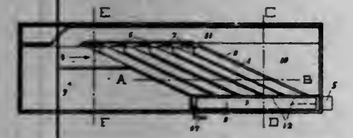
1. Apparatus of the kind described comprising a material support, and meachanism co-operative therewith

for first cutting off rivets and then heading the same, said mechanism consisting in a heading device, and a



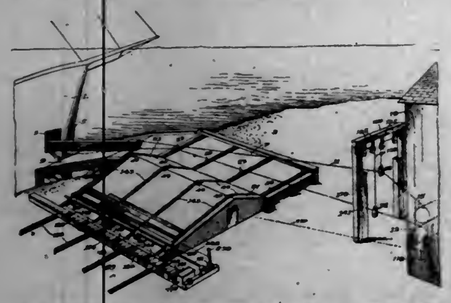
cutting-off device mounted for adjustment to different positions with respect to the heading device.

1,481,711. COUNTING MONEY, TOKENS, OR THE LIKE, OF THE SAME SIZE. GERRIT HOLTLAND, Enschede, Netherlands. Filed Mar. 30, 1921. Serial No. 456,872. 5 Claims. (Cl. 133—8.)



1. In a device for counting coins or tokens of the same size, a plurality of stepped magazines, the breadth of which is equal with the diameter of the coins, a receptacle supplying the coins to be counted, the bottom of which is formed by said stepped magazines, a vertical rim less high than the thickness of the coins provided on the entire length of said magazines and a movable closure at the ends of said magazines.

1,481,712. SHIP-UNLOADING APPARATUS. FRANK P. HUCKINS, Newton, Mass. Filed Jan. 29, 1923. Serial No. 615,459. 23 Claims. (Cl. 214—4.)



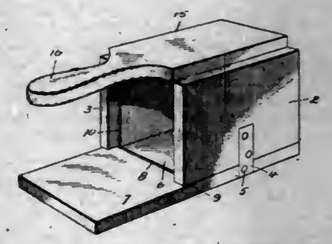
1. Apparatus of the character described, comprising, in combination, a platform, means for drawing lumber from a ship onto the platform, a conveyer for carrying the lumber from the platform, means for moving the conveyer to positions above and beneath the upper surface of the platform, a ramp conveyer for carrying the lumber from the platform conveyer, an inclined support for receiving the lumber from the ramp conveyer, means for measuring the lumber, and means for transferring the lumber piece-by-piece from the support to the measuring means.

1,481,713. GAME. ANTON HULSMANN, San Francisco, Calif. Filed Oct. 7, 1922. Serial No. 593,075. 2 Claims. (Cl. 46—63.)



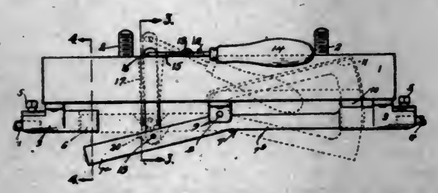
1. In a game of the character described, a map of the United States of America, hexagonal playing pieces, one of said playing pieces having the numerals 17, 18 and 19 thereon, each of said numerals occurring twice and on opposite faces, the other of said playing pieces having dots thereon, said dots indicating the numbers 1 to 5, and a 0 also formed thereon, substantially as and for the purpose described.

1,481,714. CIGAR PRESS. ANDREW M. JAMISON, Spartanburg, S. C. Filed Mar. 1, 1923. Serial No. 622,087. 11 Claims. (Cl. 100—57.)



1. A cigar press for the purpose set forth comprising a body portion open at its front and top and provided with a back wall hinged to the rear end of the bottom of the body portion, and a compressing element hinged at its rear end to the top of the back wall and operating in the top of said body portion when said element is shifted to operative position.

1,481,715. TROLLEY SWITCH. CHARLES B. JENKINS, Morgantown, W. Va. Filed July 25, 1923. Serial No. 653,767. 5 Claims. (Cl. 191—39.)



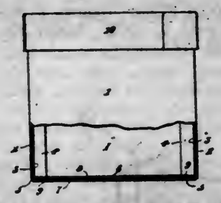
1. In a switch of the character described, a base of electrical insulating material, socket members mounted on the base and provided with contact elements, a blade rockably mounted intermediate its ends on the base and disposed to be moved into and out of contact with the contact elements of one of the socket members in accordance with rocking of said blade, the blade being provided with a member disposed to be in contact with the contact elements of the other socket member at all times, and manually operated means mounted on said base for rocking the blade in either direction.

1,481,716. COMBINED CLINOMETER, PLUMB, AND LEVEL. HARRY R. KETCHUM, Tipler, Wis., assignor of one-third to James W. Pinch, Tipler, Wis. Filed Sept. 12, 1921. Serial No. 500,077. 1 Claim. (Cl 33—215.)



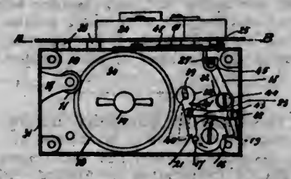
An instrument of the class described consisting of spaced parallel longitudinal bars, a lattice work connection between and integral with the bars and including a ring, said ring being of substantially the same width as said bars, the ring and bars coinciding at substantially diametrically opposite points of the ring, the ring having an arm spanning and integral with it at one of its sides and connected therewith at substantially diametrically opposite points, a second arm disposed at the opposite side of the ring and connected therewith at substantially diametrically opposite points, the second arm being detachably secured to the ring, an indicator intermediate the arms and protected thereby, trunnions extending outwardly from the indicator, and plugs screw threaded in said arms to constitute bearings for said trunnions.

1,481,717. COLLAPSIBLE BOX AND CRATE. FRANK T. LAHEY, Akron, Ohio. Filed Nov. 29, 1922. Serial No. 604,064. 5 Claims. (Cl. 229—41.)



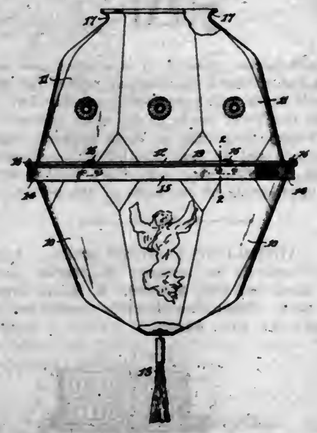
5. In a box structure, a box formed of separate vertical, top and bottom walls, said top and bottom walls having inwardly extending grooves at the edges thereof, flanges carried by the upper and lower edges of the vertical walls received in the grooves when the walls are assembled in such a manner that external pressure applied to the vertical walls in a direction toward the center of the box will prevent separation of said vertical, top, and bottom walls, and means for providing such pressure.

1,481,718. PHOTOGRAPHIC CAMERA. ANGELO LEGNANI, Turin, Italy. Filed Nov. 10, 1922. Serial No. 600,094. 5 Claims. (Cl. 242—71.)



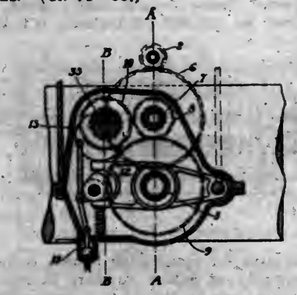
3. In a roll film camera, a film supply spool, a resiliently actuated film winding spool, a film controlling roller engaging the film between the film supply spool and the film winding spool provided at one end with two projections, a pivoted lever normally engaging one of said projections to prevent rotation of the controlling roller, a second lever normally out of engagement with the second projection movable to temporarily engage the second projection to hold the controlling roller against rotation, means for swinging the first pivoted lever out of engagement with the first projection and for swinging the second lever into engagement with the second projection, and means for returning the levers to their normal positions, the return of the first lever to normal position being retarded whereby a single rotation of the controlling roller is permitted.

1,481,719. LAMP GLOBE. SIK KONG LUI, Honolulu, Territory of Hawaii. Filed Oct. 9, 1922. Serial No. 593,271. 2 Claims. (Cl. 240—100.)



1. In a lamp globe, a lower portion having an upstanding annular rim, an annular coupling member having spaced vertical sides and disposed within the rim of the lower portion, means for connecting one side of the coupling member to the rim of said lower portion, an upper portion adapted to be engaged with a globe supporting device and having a downwardly directed rim, and means for coupling the rim of the upper portion to the other spaced side of the coupling member.

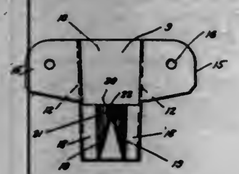
1,481,720. TOOTHED GEARING. FREDRIK LJUNGSTRÖM, Lidingö-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 17, 1922. Serial No. 582,549. 5 Claims. (Cl. 74—58.)



1. In toothed gearings, toothed wheels adapted, by radial adjustment in relation to each other, to be brought into and out of mutual engagement, toothed rims fixed coaxially on said wheels and having an outer diameter

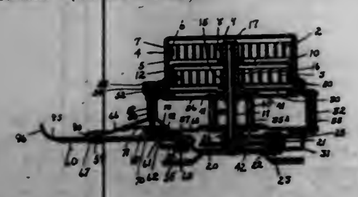
greater than that of the corresponding wheel and adapted, when the wheels are to be brought into engagement, to strike one another first and then to turn the toothed wheels into meshing relation.

1,481,721. STAKE SOCKET. HORACE E. MARTIN, Athens, Ga. Filed Mar. 26, 1923. Serial No. 627,732. 2 Claims. (Cl. 296—43.)



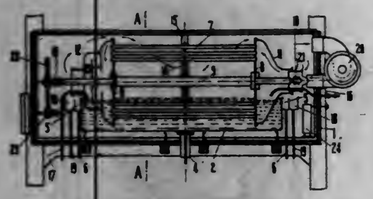
1. A stake socket formed of a single piece of sheet metal and comprising a rectangular pocket for the stake having back parts which project inwardly towards each other from the lower parts of its sides and which have rearwardly projecting lugs on their adjacent edges, said lugs being adapted to bear against the underside of a wagon body, and fastening lugs which project outwardly from the upper parts of the sides of the pocket.

1,481,722. AUTOMATIC FISHING REEL. ALFRED D MAURY, Ilion, N. Y., assignor to Martin Automatic Fishing Reel Co., Inc., Mohawk, N. Y., a Corporation of New York. Filed June 5, 1922. Serial No. 566,030. 5 Claims. (Cl. 242—84.3.)



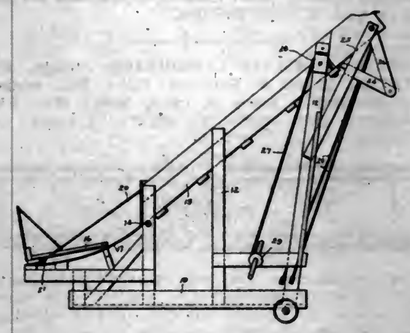
1. In an automatic fishing reel, a rotary line spool, a spring for actuating the movements of said spool, a drum for tightening said spring, an auxiliary drum disposed within the first named drum, a spring located within said auxiliary drum, means for connecting said springs, whereby the force of said springs will co-operate to revolve said spool.

1,481,723. APPARATUS FOR EVAPORATING LIQUIDS. FRANCO MERZ, Vercelli, Italy. Filed May 19 1920. Serial No. 382,538. 7 Claims. (Cl. 159—10.)



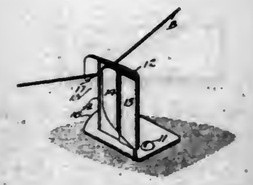
1. An apparatus for evaporating liquids, comprising a casing, a plurality of hollow members in said casing, means for wetting one surface of said members with the liquid to be treated, means for wetting the other surface of said members with an absorbing liquid, and means for causing a gas to circulate through said casing in contact with said surfaces.

1,481,724. STACKER. WILLIAM A. MINNIEAR, Danbury, Nebr. Filed Nov. 30, 1921. Serial No. 518,893. 1 Claim. (Cl. 214—103.)



A stacker having a base or supporting frame, an elevator platform pivotally mounted at one end upon said frame, a stationary lead or guide shoe in communication with the pivoted end of the platform, means for varying the inclination of the platform, a carrier for traversing said shoe and platform, and hoisting cables longitudinally traversing the platform and provided with means for detachably engaging the carrier, the platform having a sheet metal floor and being provided at its upper end with a downwardly inclined cradle or carrier rest of which the bottom is formed by a continuation of the floor of the platform.

1,481,725. CORD CUTTER. GEORGE W. MOORE, Jamaica, N. Y. Filed June 9, 1922. Serial No. 567,044. 1 Claim. (Cl. 30—14.)



As a new article of manufacture, a cord cutter, comprising a standard having at its lower end a right angular flange forming a base and provided in one vertical edge with an upwardly extending oblique slot, the standard being bent upon itself to form a member lying on the side of the standard opposite that from which the base extends and terminating short of the edge of the standard having the slot, said member being transversely curved and forming a clamping member coacting with the body of the standard for clamping a blade therebetween by the resiliency of said member.

1,481,726. VENTILATOR FOR DRY KILNS. LA FAYETTE MOORE and CHARLES J. WILLIAMS, Jr., Jacksonville, Fla., assignors to Moore Dry Kiln Company, Jacksonville, Fla., a Corporation of Florida. Filed Nov. 20, 1920. Serial No. 425,590. 5 Claims. (Cl. 98—5.)

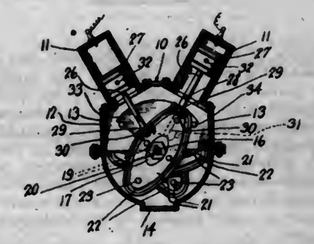
1. A dry kiln ventilator including a rectangular frame having an overhang at the top and a valve suspended

from the overhang and means for changing and adjusting the position of the suspended means to variably



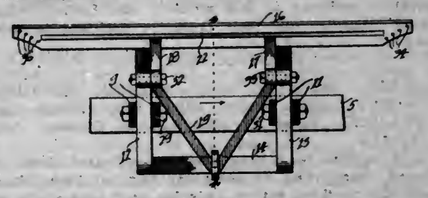
space the valve from the frame in or out according to the vertical plane with respect to the frame in which it is desired to suspend the valve.

1,481,727. ENGINE. OLAND A. MOORE, Bethel, Mo. Filed Jan. 27, 1920. Serial No. 354,420. 1 Claim. (Cl. 74—14.)



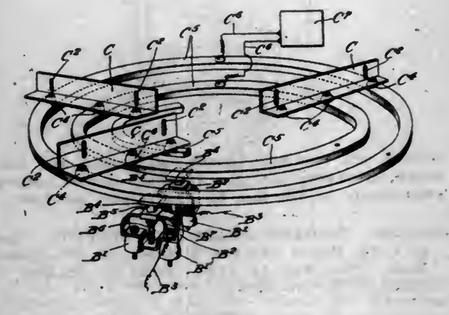
The combination with an engine including pistons, piston connecting rods and a drive shaft, of a plurality of spaced transversely disposed bars, bearings secured to said bars and being adapted to receive the drive shaft, a counter sunk plate secured upon each side of the bars and being provided with a groove, an elliptical shaped disk disposed between each pair of bars and being detachably secured to the drive shaft, plates secured to the opposed side edges of the disks and being designed to extend around the periphery thereof, and there being a groove disposed adjacent the periphery thereof, a forked end for each connecting rod, and anti-frictional elements carried on each side of each fork, the inner anti-friction elements engaging the grooves of the plates on the disks and the outer anti-friction elements engaging the groove of the countersunk plates, as and for the purpose specified.

1,481,728. SAW CLAMP. PURLEY V. MORGAN, Stockton, Calif., assignor of one-fifth to John A. Olsen, Stockton, Calif. Filed Feb. 21, 1922, Serial No. 538,327. Renewed Dec. 5, 1923. 2 Claims. (Cl. 76—78.)



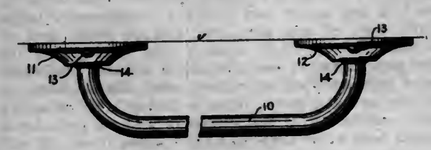
1. In a saw clamp, the combination of U shaped members, a jaw pivoted to one leg of each of said members, a V shaped member attached to said pivoted jaw, a cross member connecting said U shaped members, a screw in said V shaped member, said screw being adapted to contact said cross member and reenforcing means formed integral with each of said jaws for the purpose of preventing distortion thereof.

1,481,729. ELECTRICAL COLLECTOR FOR LOCOMOTIVE CRANES AND THE LIKE. HENRY T. NARZISSE, Chicago, Ill., assignor to Link Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1922. Serial No. 528,556. 10 Claims. (Cl. 191—9.)



1. In an electrically operated mechanism, a supporting base, a platform rotatably mounted thereon, a flat surfaced collector ring mounted beneath said platform and adapted to rotate therewith, a flat surfaced shoe mounted upon said frame, and yielding means for pressing it upwardly against said ring.

1,481,730. TOWEL RACK OR LIKE FIXTURE. ERASTUS G. OAKLEY, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn. Filed Oct. 19, 1921. Serial No. 508,641. 9 Claims. (Cl. 45—32.)

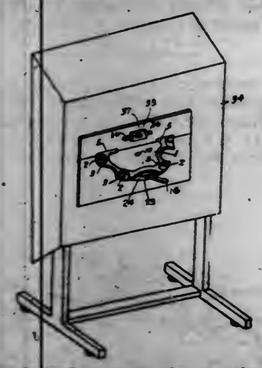


1. In combination, a tubular member, an exterior shoulder provided thereon by reversely folding the wall thereof, and a plate member having an opening receiving said tubular member, and having an annular flange about the opening abutting the wall of the tubular member, the edge of the latter being spun over said flange to secure the members together with the surface of the plate member clamped tightly against the shoulder.

1,481,731. FLASH DEVICE. BAXTER B. OGIER, Youngstown, Ohio. Filed July 5, 1922. Serial No. 572,926. 3 Claims. (Cl. 67—28.)

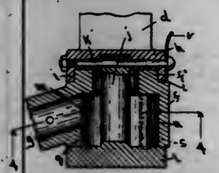
1. In a flash machine, the combination of a revolving plate, a plurality of primary recesses, a plurality of recesses formed within said primary recesses, a vertical wall portion of a flash cabinet, means for closing openings in said vertical wall portion so as to eliminate danger of the flash from igniting flash compounds in other receptacles of a revolving plate which are back of said vertical wall portion, an electrode positioned above a

recess for containing flash powders, a second electrode connecting said disc, means for causing a spark to jump



between said electrodes, means for rotating said disc, means for holding said disc from undesirable rotation, substantially as described for the purpose set forth.

1,481,732. TROLLEY WHEEL AND SUPPORT. SAM K. PAIGE, Boston, and SAM K. PAIGE, Jr., Winchester, Mass. Filed Mar. 14, 1923. Serial No. 624,899. 9 Claims. (Cl. 191—60.1.)



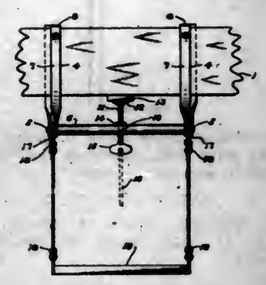
2. A trolley wheel support comprising a fork adapted to carry the trolley wheel, a socket in which said fork has a swivel bearing to turn about an axis approximately perpendicular to the axis of the wheel, and a spring for normally holding the fork in a neutral position, said swivel bearing being provided by a hollow cylindrical rib secured to one of the parts constituted by said fork and socket, and fitting a complemental recess in the other of said parts, but said rib being open at one side with shoulders flanking this opening, and the other part having an eccentric recess with end abutments spaced approximately to register with the shoulders of said rib, and the spring being a curved strip of spring metal confined within the interior of said rib and having its ends bent outward through the opening in the rib and into engagement with the said abutments.

1,481,733. CONTAINER. ARCHIBALD W. PAULL, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Jan. 19, 1923. Serial No. 613,641. 3 Claims. (Cl. 15—135.)



1. A collapsible tube having a discharge orifice in an end wall thereof, foraminous distributing means engaging said end wall and extending across said discharge orifice and a flange integral with said tube, the peripheral edge portion of said distributing means being held between said flange and end wall, substantially as described.

1,481,734. SWING. WALTER R. PAXSON, Jenkintown, Pa. Filed Mar. 6, 1922. Serial No. 541,390. 1 Claim. (Cl. 155—58.)



In a device of the character described, two pairs of tongs, means for pivotally securing the arms of the respective pairs of tongs together and for holding the tongs in spaced relation, said securing and spacing means being adapted for reception of a swing suspended therefrom, the arms of the tongs being provided at their upper ends with elements adapted for engagement with the cross member of a doorway casement, and pressure applying means carried by said securing and spacing means and disposed to apply pressure to the underface of the cross member.

1,481,735. CHAIN PUMP. FREDERICK G. PECK, Bradford, Pa. Filed Mar. 2, 1921. Serial No. 449,151. 3 Claims. (Cl. 198—141.)

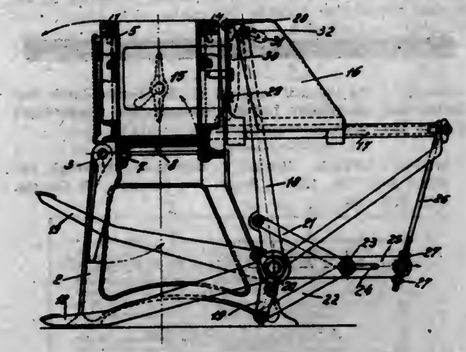


1. The combination of a chain having links of relatively heavy material, and buckets secured to alternate links of said chain and made of resilient material, said buckets having body portions of substantially cylindrical form and having longitudinal recesses in each of the sides thereof extending inwardly from the cylindrical periphery of said buckets and into which the sides of the link may enter, whereby the cylindrical sides of said buckets serve to guide the sides of the links into their operative positions in said recesses, said buckets being forced laterally into their operative positions in said links.

1,481,736. MACHINE FOR MAKING BUILDING BLOCKS. PIERO PENCH, Milan, Italy. Filed Aug. 28, 1922. Serial No. 584,841. 6 Claims. (Cl. 25—41.)

1. A machine for making solid or perforated blocks of pressed cementitious or analogous material including a mold box provided with a swinging wall adapted to be swung into a position substantially parallel with the bottom of the box after a block has been molded, a horizontally movable core adapted to enter and be withdrawn from said box, the bottom of said box being vertically

adjustable to accommodate blocks of various thicknesses, the ends of said box including swinging doors hinged



to the swinging wall and provided with cavities, and plates arranged in said cavities and provided with means for supporting the bottom of the box.

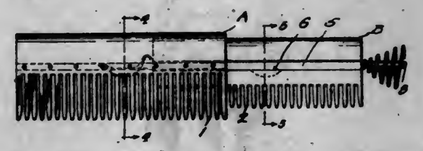
1,481,737. COAL-LOADING MACHINE. MIKE PERSECH, Walsen, Colo. Filed Apr. 6, 1922. Serial No. 550,047. 28 Claims. (Cl. 198—7.)



1. A coal mining machine including a motor truck adapted for travel adjacent a coal pile, a mounting section adjustably mounted on the truck, a frame member rearwardly slidable on the mounting section, a rearwardly shiftable slide upon said frame member and a coal-gathering scoop slidable on the frame member forwardly of said slide during the coal-gathering operation.

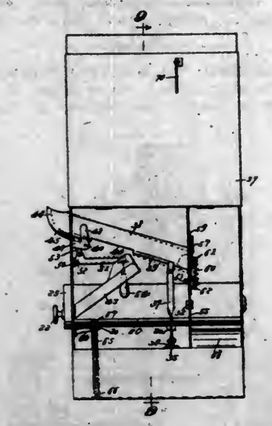
23. In a coal loading machine, a mounting section, a frame member adapted for sliding movement upon said mounting section, a slide adapted for travel upon the frame member and a coal-gathering scoop mounted upon the frame member above the slide.

1,481,738. COMB. STEPHEN G. PHILLIPS, New York, N. Y., assignor of one-half to Norton E. Parris, New York, N. Y. Filed Apr. 10, 1923. Serial No. 631,147. 1 Claim. (Cl. 132—14.)



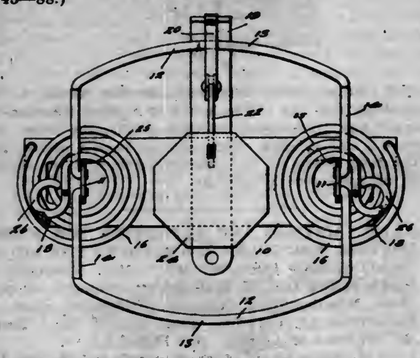
A comb of the class described including an inner comb member and an outer hollow comb member adapted to receive the inner comb member, one of said comb members provided with longitudinally extending ribs, the other member provided with longitudinally extending grooves for receiving the ribs, said member provided with the grooves having an indenture in one of said grooves, and a resilient member on the other comb member adapted to engage said depression in said groove when the inner comb member is disposed within the outer comb member so that the teeth of the inner comb member will be aligned with the teeth of the outer comb member in the manner and for the purpose specified.

1,481,739. CHECK-CONTROLLED APPARATUS. EDWARD D. POLHAMUS, Ashland, and JAMES W. LUSBY, Grayson, Ky. Filed Jan. 31, 1923. Serial No. 616,106. 6 Claims. (Cl. 194—48.)



1. In a check controlled apparatus, a movably mounted dispensing device, a latch for holding the dispensing device inoperative, a coin tube, means for oscillatably mounting the coin tube, a weighted element connected to the tube on one side of its fulcrum to overcome the weight of that part of the tube on the opposite side of the fulcrum, means connected to the unweighted end of the tube for moving the latch to release the dispensing device, a guard at the end of the tube for arresting a check at the end of the tube to permit the weight of the check to overcome the gravity of the weight, means for slidably mounting the guard, means for limiting the downward movement of the guard, means for holding the guard in normal position and in engagement with said means, and means on the dispensing device carried into engagement with the guard for moving it when the dispensing device has effected a delivery, thereby releasing the check and permitting the latch to become operative when the dispensing device is returned to normal position.

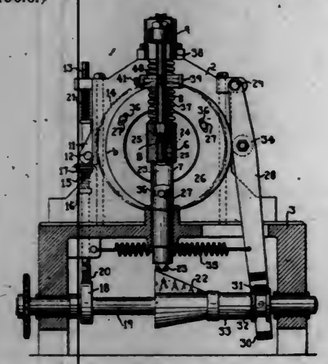
1,481,740. TRAP. BERTRAM J. RAY, Delta, Colo. Filed Nov. 27, 1922. Serial No. 603,550. 1 Claim. (Cl. 43—88.)



A trap comprising a base, a pair of jaws pivotally mounted thereon, said jaws including substantially flat contacting portions and spaced pivotally mounted arms extending from the ends of the contacting portions, means including a pivotally mounted bait pan for holding the jaws in set position for release by an animal, conical

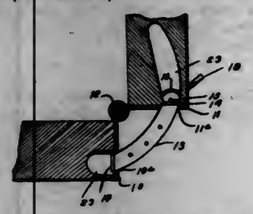
coiled springs surrounding the spaced arms and having their largest ends secured to the base for forcing the jaws closed when the holding means is released and lugs secured to the upper restricted convolutions of the springs for engagement with the base, whereby the springs will be substantially level when the trap is set.

1,481,741. METHOD OF MANUFACTURING PISTON RINGS. FREDERICK RAY, Short Hills, N. J. Filed May 27, 1920. Serial No. 384,604. 3 Claims. (Cl. 29—156.6.)



1. The method of condensing the metal of the inner circumference of a piston ring so as to give substantially uniform radial pressure at all points of the circumference when in use, which consists in so varying the intensities of the condensing forces that the intensity of the condensing force at any point is proportional to unity minus the cosine of the angle between the split of the ring and the point which is being condensed, plus a constant.

1,481,742. STOP HINGE. MAHLON S. RILEY, Grand Rapids, Mich. Filed May 6, 1921. Serial No. 467,313. 2 Claims. (Cl. 16—82.)



1. A hinge having relatively movable leaves, a bar extending from one of the leaves in a plane transversely thereof and transversely of their pintle, the other leaf having a slot through which said bar loosely passes, and a fastening means on the attaching surface of the slotted leaf engageable with said bar.

1,481,743. METHOD AND APPARATUS FOR PRESSING DISK SOUND RECORDS WITHOUT THE AID OF HEATING AND COOLING MEDIUMS. THEODORE C. ROBERTS, New York, N. Y., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed May 6, 1921. Serial No. 467,364. 62 Claims. (Cl. 18—48.3.)

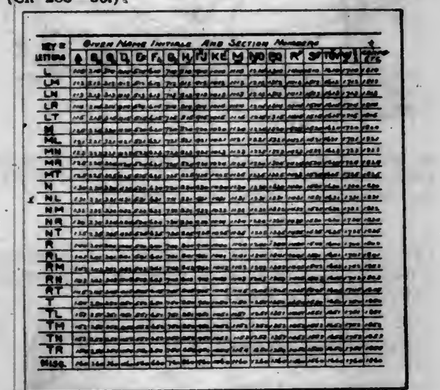
1. In the manufacture of sound records and the like, the method of forming the records, which includes molding them between matrices heated solely by heat from the record stock.

11. A sound-record matrix comprising a thin record-forming shell separated from its support by thermal-insulation.

31. A matrix for forming hot thermoplastic material, having its thermal conductivity so proportioned and distributed to the thermal capacity of the thermoplastic material that the matrix initially assumes the temperature of the hot thermoplastic material.



1,481,744. INDEX. ROBERT C. RUSSELL, Pittsburgh, Pa. Filed Sept. 26, 1921. Serial No. 503,287. 3 Claims. (Cl. 283—36.)



1. An index comprising a series of sections each section comprising a plurality of consecutively numbered pages, the pages in any one section bearing the same section number which is different from any other section number, and said pages designated to contain sur-names and other data, and an element having a series of given-name initial letters having numerical equivalents, said element also having thereon a series of sur-name key letters *l*, *m*, *n*, *r*, *t* and combinations of each of said key letters with each of the others, each of said key letters having a numerical equivalent and the combined key letters having combined numerical equivalents, the association of the given-name numerical equivalents with the numerical equivalents of the key letters or combinations of key letters forming numbers on said element representing numbers of sections where names being searched may be found.

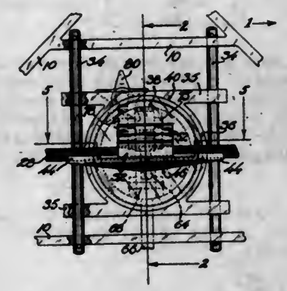
1,481,745. BASE FOR POSTS. JOSE R. C. RUYBAL, Alamosa, Colo. Filed Jan. 14, 1922. Serial No. 529,136. 3 Claims. (Cl. 72—84.)



1. In a device as herein set forth, the combination of a body portion or shank, fastening devices embedded in

the shank and having looped ends extending above the top of the shank at opposite sides thereof, a post adapted to be seated at the upper end of the shank and between said looped ends, means for securing said looped ends to the post, and a metal point projecting upwardly from the top of the shank to additionally secure the post in place.

1,481,746. AERIAL TRAMWAY SYSTEM. EDWARD H. SACKETT, Arvada, Colo. Filed June 26, 1922. Serial No. 570,921. 13 Claims. (Cl. 104—115.)

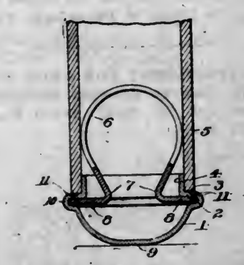


3. In an aerial tramway, a track member, a carrier thereon, a grip on the carrier, a traction cable engaged by the grip, and a roller over which both the grip and the traction cable are adapted to pass.

1,481,747. REFINING OF FERROCHROME. WILLIAM R. SALTRICK, Purley, England, assignor to Robert Wickersham Stimson, New York, N. Y. Filed Jan. 17, 1923. Serial No. 613,292. 5 Claims. (Cl. 75—1.)

1. A process for refining molten ferro-chrome to produce an alloy of low carbon content, comprising, subjecting molten ferro-chrome to the action of a gaseous mixture containing both hydrogen and steam.

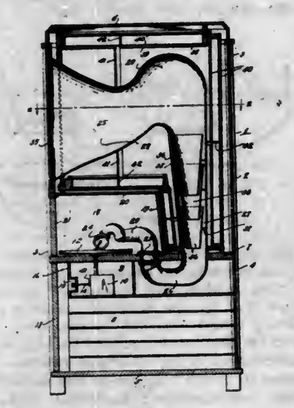
1,481,748. CASTER. GEORGE A. SCHULTE, Newark, N. J. Filed Aug. 18, 1922. Serial No. 582,786. 6 Claims. (Cl. 16—42.)



1. A dome caster having an annular flange to extend into and engage the inner walls of the socket in the furniture leg, there being an external ledge on said caster at the base of said flange on which the base of said leg may rest.

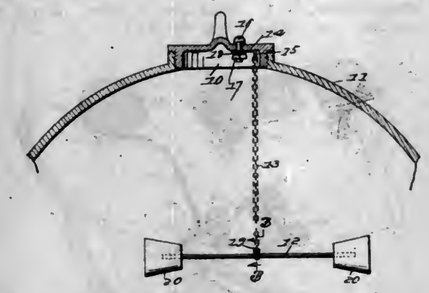
1,481,749. TALKING MACHINE. CARL SCHABIC, Urbana, Ohio. Filed Apr. 28, 1920. Serial No. 377,219. 1 Claim. (Cl. 181—27.)

In a talking machine, an amplifier, a housing extending around the amplifier, and spaced therefrom to provide a chamber, sound resonating boards disposed in spaced relation and located in the chamber and adjacent its inner walls, bridge pieces connecting the innermost boards and



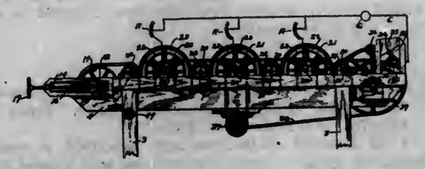
amplifier, and bridge pieces arranged in the space between said boards and connecting the confronting faces thereof.

1,481,750. SAFETY TANK CAP OR STOPPER. HOLLIS J. SEVIGNY, Sanford, Me. Filed Dec. 11, 1919. Serial No. 344,012. 1 Claim. (Cl. 220—39.)



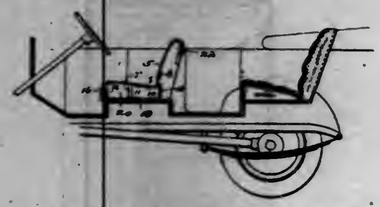
A limiting device for tank caps or stoppers consisting of a limiting element longitudinally insertable through the opening fitted with said cap but of a length greater than the diameter of said opening, said element being provided with enlarged buoyant heads of cushioning material, and a flexible element terminally connected respectively with the cap and with an intermediate point on said limiting element.

1,481,751. ELECTROLYTIC SEPARATOR. WILLIAM A. SHARPE, Denver, Colo. Filed Apr. 29, 1922, Serial No. 557,288. Renewed Oct. 30, 1923. 14 Claims. (Cl. 204—15.)



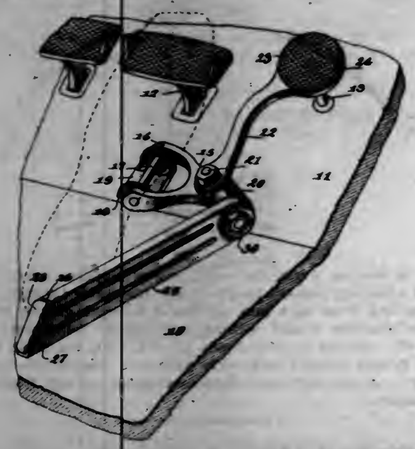
1. An electrolytic ore separator, comprising a plurality of electrolytic cells, a cathode in each cell, and a common anode comprising an endless belt conveyor.

1,481,752. ADJUSTABLE SLIP COVER FOR AUTOMOBILE SEATS. JENNINGS D. SMITH, Tampa, Fla. Filed Sept. 28, 1922. Serial No. 591,030. 2 Claims. (Cl. 155—182.)



1. A seat cover formed from a single piece of material foldable transversely of its length to provide back and seat covering portions, the line of fold being shiftable to increase or decrease the depth of the back portion, rows of anchoring straps attached to the cover substantially central of its length in spaced, transverse, and longitudinal alignment, a row of straps attached to the cover spaced from its lower end, straps attachable to a selected row of the first mentioned anchoring straps and to the last mentioned row for securing the cover taut over the cushion surface against transverse displacement, and straps attached to the cover spaced from either edge thereof, and means for attaching the free ends together to further secure the cover to the cushion and to prevent its longitudinal displacement.

1,481,753. THROTTLE CONTROL. WALTER J. SPIRO, White Plains, N. Y. Filed Jan. 2, 1923. Serial No. 610,216. 13 Claims. (Cl. 74—81.)



1. A pivoted throttle control lever, an operating member extending rearwardly from the free end thereof toward the axis of the lever pivot, and an oppositely extended control member upon the lever disposed to contact with an accelerator.

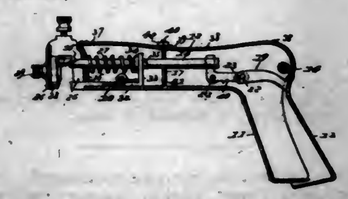
1,481,754. KNOT-TYING DEVICE. MARTIN STALSON, Minneapolis, Minn. Filed Oct. 12, 1920. Serial No. 416,375. 3 Claims. (Cl. 289—17.)

1. In a device of the character described, a housing having an opening formed through one wall thereof, a lever fulcrumed at one end within the housing in a plane contiguous to the inner face of the said one wall, said lever having the free end thereof protruding from the housing, a spring disposed within the housing and yieldingly maintaining said lever in a plane extending in contiguous parallel relation to the said one wall of the housing, and a needle secured at its one end to said lever and being of a length to extend through said opening beyond the plane of the outer face of the said one wall



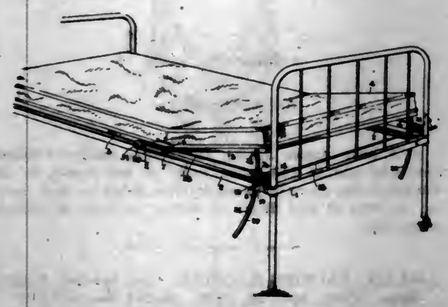
when the lever is in the said position in respect to the said wall and to be retracted into the housing when the lever is swung a determined distance about its fulcrum against the action of the spring, said needle having a transverse slot in the normally projecting portion thereof and being split from the slot to the free end thereof.

1,481,755. SAW SET. ALOIS STAUBACH, Crestline, Ohio. Filed Feb. 1, 1923. Serial No. 616,297. 3 Claims. (Cl. 76—69.)



1. A saw set having a hollow stock extended to form a stationary grip member, a movable complemental grip member mounted upon the stock, a bit carrying plunger mounted in the stock, an anvil block arranged in the path of movement of said plunger, operative connections between said movable grip member and the plunger, a retracting spring in surrounding relation to the plunger, and a saw blade engaging clamp slidably mounted in the stock and provided with a right-angularly disposed ear through which the plunger extends, the plunger being provided with a transverse pin abutting said ear on one side and with a collar abutting the ear on the other side and receiving the thrust of the spring.

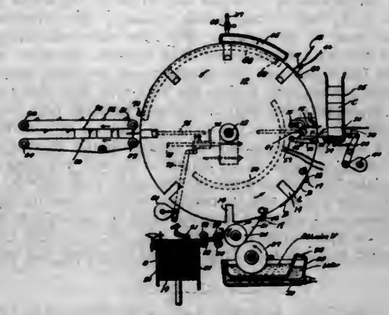
1,481,756. ATTACHMENT FOR BEDS, CHAIRS, AND THE LIKE. SAMUEL EDDWARD STICKLE, Fort Rock, Oreg. Filed Dec. 27, 1922. Serial No. 609,259. 2 Claims. (Cl. 5—74.)



1. In a device of the character described, a holder attachable to a stationary support, said holder comprising a base provided at one end with a pair of upstanding spaced flanges and at its other end with an upstanding

stud, said base having a guide slot formed therethrough to extend diametrically of the stud, a shaft journaled in said flanges, a worm carried by said shaft and adapted to rotate between said flanges, a worm gear having a threaded bore loosely receiving said stud and having teeth on its outer periphery in engagement with said worm, and a rack bar extending slidably through said guide slot and having teeth in one edge thereof in engagement with the threads on the bore of said gear, said rack bar being adapted at one end for attachment to a swingingly supported member whereby rotation of the worm will occasion swinging movement of said swingingly supported member.

1,481,757. ART OF PRODUCING TIGHT-WRAPPED PACKAGES FOR PRESERVING COMMODITIES. JOHN STOODELL STOKES, Huntingdon Valley, Pa., assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 26, 1922. Serial No. 571,029. 68 Claims. (Cl. 93—4.)



1. A moisture-proof package comprising a carton containing a commodity, an outer paper wrapper coated on one surface with a thin layer of material impervious to oily or greasy substances, and a coating of waxy adhesive securing the wrapper to the carton.

1,481,758. FLY SWATTER. LOUIS C. STUKENBORG, Memphis, Tenn. Filed July 31, 1922. Serial No. 578,797. 1 Claim. (Cl. 43—137.)



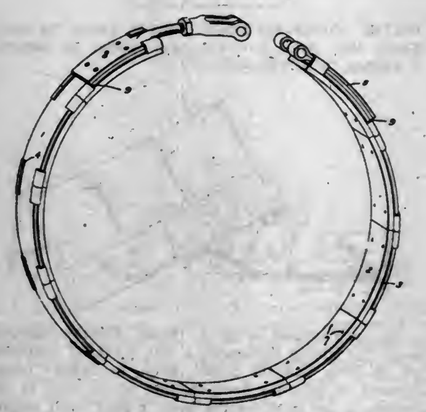
A device of the character described comprising a reticulated body having its lower end bent upon itself to form a pocket and being provided with an elongated opening arranged midway the ends thereof at the juncture of the body portion with the bent portion, a T-shaped handle having its horizontal portion received in the pocket and its vertical portion passing through the elongated opening, and a flexible band surrounding the pocket as and for the purpose specified.

1,481,759. FILM-DEVELOPING TUBE. ROKUMON SUGIURA, Tokyo, and KISO OKIMOTO, Tokyo-Fu, Japan. Filed Oct. 15, 1921. Serial No. 507,919. 5 Claims. (Cl. 95—90.5.)



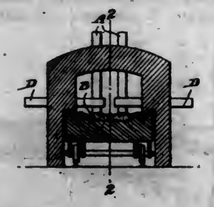
1. In a device of the character described, a flexible tube having open ends, means for introducing developing solution into said tube, and removable means adapted to embrace and close the open ends of the tube to close the latter and also adapted to embrace and clamp the extremities of a film disposed in said tube whereby to prevent displacement of either end of said film with respect to the tube.

1,481,760. BRAKE BAND. ALVIN H. SWEET, Los Angeles, Calif., assignor, by direct and mesne assignments, to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Filed Apr. 30, 1923. Serial No. 635,553. 5 Claims. (Cl. 188—249.)



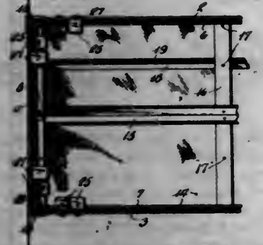
5. In combination, a brake band; a lining comprising a plurality of independent sections adapted for engaging one edge of said band by transverse sliding; and means for retaining said lining in said band in alignment therewith and preventing circumferential motion relative thereto.

1,481,761. PROCESS FOR ELECTROTHERMIC PRODUCTION OF ZINC. FILIP THARALDSEN, Christiania, Norway. Filed May 25, 1922. Serial No. 563,613. 3 Claims. (Cl. 204—64.)



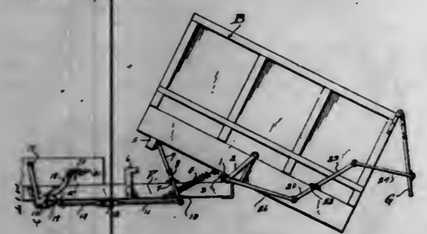
1. The process of electrothermically producing zinc consisting in first heating a charge of zinc oxide and carbon by radiation from an electric arc, and then subjecting the charge to the direct passage of the electric current therethrough.

1,481,762. COUNTER GUARD. JAMES E. TORBERT Faunsdale, Ala. Filed Mar. 16, 1923. Serial No 625,495. 2 Claims. (Cl. 211—12.)



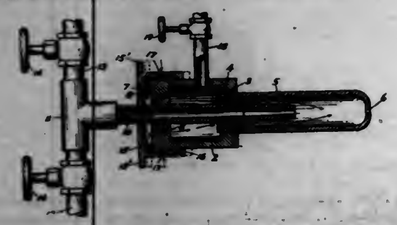
1. A device of the character described, comprising a frame formed of similarly arranged inner and outer sections, a screen cover over said frame and secured between said sections, portions of said sections being disposed in slightly spaced relation, plates slidable between said portions of the sections, clamping ears carried by said plates, and means passed through said sections and plates for adjustably securing said clamping ears to clamp said frame on a table top.

1,481,763. DUMPING BODY. MOSES LEROY TRIMMER, Craig, Mo. Filed Nov. 11, 1922. Serial No. 600,287. 7 Claims. (Cl. 298—17.)



1. In combination with a frame, a body mounted thereon for sliding movement, a link pivotally connected with the body and the frame, means to impart tilting movement to the body upon shifting of the bouy in one direction, a tail gate for the body, a rock shaft carried by the body and provided with a rock arm, a link pivotally engaged with the rock arm and with the frame, the pivotal connection between said last named link and frame being common to the pivotal connection between the first named link and the frame, and an operative connection between the rock arm and gate to cause said gate to move into open position upon shifting of the body in one direction.

1,481,764. GAS BURNER. REESE E. WEAVER, Los Angeles, Calif., assignor of one-half to Frank M. Weaver, Los Angeles, Calif. Filed June 22, 1922. Serial No. 570,189. 2 Claims. (Cl. 158—74.)



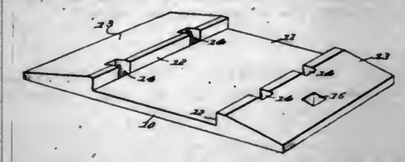
1. A burner provided with a mixing chamber having a nipple projecting therefrom, a fuel pipe extending into the mixing chamber nipple, means for supplying fuel to said pipe, an air regulating means arranged at one end of the chamber and constructed and disposed so as to provide a circuitous course for the admission of air to the mixing chamber and to prevent inrush of air and the extinction of the flame.

1,481,765. GUARD RAIL. LESTER M. WENTLING, Foxburg, Pa., assignor of one-eighth to Ralph Jones, one-eighth to G. R. Reichart, and one-eighth to R. M. Monroe, all of Parkers Landing, Pa.; one-eighth to C. E. Harrington, Kittanning, Pa., and one-eighth to Albert Nevel, Foxburg, Pa. Filed Jan. 25, 1923. Serial No. 614,812. 2 Claims. (Cl. 238—17.)



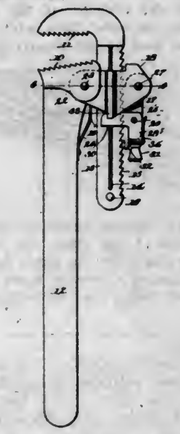
1. In a guard rail, the combination with bed plates provided with depressed seats including terminal shoulders, of a track raial with its base engaging the bottoms of the seats, with one edge of the base in engagement with corresponding terminal shoulders at the outer portions of the bed plates, means retaining the outer edges of the base in engagement with the outer shoulders, a guard rail with its base engaging between the inner edge of the track rail and the shoulders at the inner ends of the bed plates, and means for retaining the guard rail base in engagement with the inner shoulders and fastening the bed plates to the ties, said guard rail provided with a lateral wing extending longitudinally thereof and conforming throughout its length with and engaging the fish plate receiving recess of the track rail, thereby retaining the track rail in position and yet permitting it to expand and contract longitudinally in parallelism with the guard rail without effecting any change of the guard rail with relation to a frog adapted to oppose the guard rail.

1,481,766. TIE PLATE. LESTER M. WENTLING, Foxburg, Pa., assignor of one-half to Charles L. Goughler and Edward Rumbaugh, Foxburg, Pa., Lloyd Stewart, Parkers Landing, Pa., and Charles W. Pfaff, Emlenton, Pa. Filed Jan. 25, 1923. Serial No. 614,813. 1 Claim. (Cl. 238—304.)



As an article of manufacture, a tie plate provided with a track rail base receiving seat and opposite terminal enlargements, and opposed shoulders caused to be formed by the enlargements and constituting the thickest portion of the tie plate and also laterally bounding the seat, the under face of the tie plate being smooth and unobstructed, said tie plate having spike receiving openings immediately adjacent where the enlargements merge into the shoulders, said spike receiving openings breaking into the seat, whereby the heads of the spikes may be directed inwardly and toward the opposite sides of the track rail base, the walls of the openings acting to prevent the spikes from working laterally away from the track rail base, said spike receiving openings being transversely staggered, thereby minimizing the tendency of the spikes to split the tie and thereby preventing the tie plate from twisting in case the spikes loosen, said tie plate being supplemented with an additional spike opening formed through one of the enlargements intermediate of and disposed offset relatively to certain of the first openings to receive additional securing means and thereby prevent twisting of the tie plate in case the other fastening means loosen and become detached.

1,481,767. WRENCH. WILLIAM H. WIBBERT, Kingston, N. Y. Filed June 19, 1922. Serial No. 569,193. 3 Claims. (Cl. 81—139.)



1. A wrench including a pair of serrated jaws one of which has a shank and is movable relatively to the other jaw, means for holding and releasing said movable jaw, said means comprising a pivotally mounted guide in which the shank moves, a member having serrations pivotally connected to said guide, serrations on said shank, the serrations of said member being engageable with the serrations of said shank, and a frictionally controlled yoke pivoted to said member for holding the serrations of said member in engagement with the serrations of said shank and allowing their disengagement.

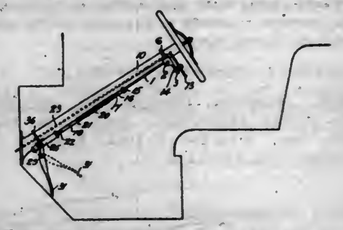
1,481,768. NUMBER PLATE FOR AUTOMOBILES. FRANK J. WILLIAMS, Macy, Ind. Filed Jan. 9, 1923. Serial No. 611,616. 1 Claim. (Cl. 40—63.)



In a device of the class described, a main plate having characters, the plate being provided with openings and with notches in one of its edges, and an auxiliary plate having means for engaging certain of the openings and certain of the notches, the openings being spaced at equal distances apart, throughout the entire length of the main plate and the notches being spaced at equal distances apart throughout the entire length of the main plate, to permit the auxiliary plate to be shifted longitudinally of the main plate, and to permit the main plate to be cut off at the desired length, depending upon the number of characters on the main plate.

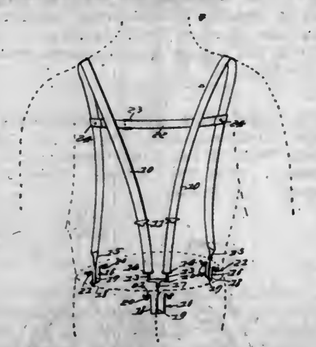
1,481,769. FOOT ACCELERATOR FOR MOTOR VEHICLES AND THE LIKE. HENRY JAMES WILLIAMS, Palmerston North, New Zealand, assignor of one-third to Nathanael Isaiah Wilhelm Brown and one-third to Charles Abel Peters, both of Palmerston North, New Zealand. Filed May 10, 1922. Serial No. 559,965. 6 Claims. (Cl. 74—39.)

1. An accelerator comprising hand operable control mechanism, a foot pedal actuating means connecting said control mechanism and said foot pedal comprising a spindle secured against longitudinal movement, a pin arranged through the spindle, a tube associated with the spindle and having helical grooves engaged by said pin,



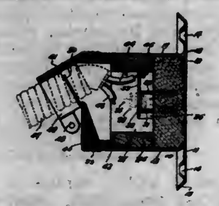
a spring about the tube and means adapted to compress the spring so as to rotate said spindle upon the depression of said foot pedal.

1,481,770. INVISIBLE TROUSER SUPPORTER. CHRISTIAN J. WINTER, Dubuque, Iowa. Filed June 9, 1922. Serial No. 566,995. 1 Claim. (Cl. 241—25.)



A garment supporter of the type indicated having shoulder straps, an equalizing element connecting the shoulder straps at their front ends and provided with a button engaging clasp, button engaging clasps adapted for engagement with buttons at the sides of the garment, the last of said clasps being carried by the rear ends of the shoulder straps, all of said button engaging clasps consisting each of a single blank of wire doubled upon itself as its center to form an attaching eye and having return side arms and an intermediate stem portion parallel with said side arms and forming loops in connection with the latter, the side arms terminating in upwardly open clips adjacent to the plane of the attaching eye, and sleeves engaging the loops formed by the side arms to hold said loops in proper relation with the stem.

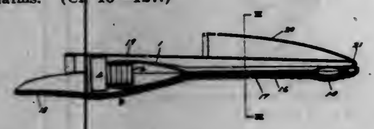
1,481,771. ELECTRICAL FLUSH RECEPTACLE. WILLIAM R. WORKMAN, Auburn, N. Y. Filed Nov. 5, 1921. Serial No. 513,094. 4 Claims. (Cl. 247—15.)



2. A casing for enclosing the insulated body portions of electrical receptacles and the current conducting parts thereof, comprising a circular flush wall engaging face plate, a cylindrical open ended casing body extending

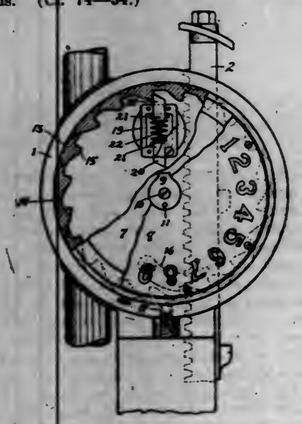
rearwardly from the face plate and in alignment with an opening in the latter, and a closure for the rear open end of said casing body and having an opening therein for the insertion inwardly to the same of the conductors of a current supply circuit.

1,481,772. WASHING DEVICE FOR AUTOMOBILES AND OTHER PURPOSES. CHARLES M. ZELL, The Dalles, Oreg. Filed Dec. 8, 1922. Serial No. 605,671. 2 Claims. (Cl. 15—127.)



1. A washing device of the class described comprising a flexible bag having a liquid delivery opening in one end thereof, a central chamber formed in said bag, said chamber divided longitudinally into two compartments, a series of separate communicating compartments surrounding said chamber, outlet openings in the bottom of said bag, and a hand engaging means secured to the top of the bag.

1,481,773. COUNTER FOR DISPENSING PUMPS. GEORGE U. BRAKE, Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company, a Corporation of Indiana. Filed May 14, 1921. Serial No. 469,749. 2 Claims. (Cl. 74—54.)



1. In a mechanism for a counter, a shell having a fixed head at one end, a toothed rotor in the other end of the shell and forming a closure therefor, said rotor being revoluble in one direction only; a second rotor revoluble in both directions and supported in the shell; a pair of radially disposed ratchets positioned in said second rotor diametrically opposite each other; each having means to limit its outward movement; a spring supported by and pressing both of said ratchets outwardly, said second rotor being located so that said ratchets alternately engage and actuate said toothed rotor when operated in one direction; and means for actuating said second rotor alternately in opposite directions.

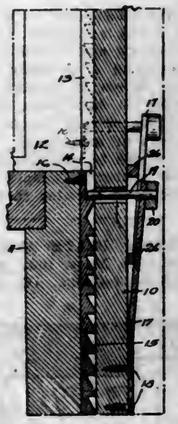
1,481,774. PISTON RING. SELMON G. COLE and ORA D. GINTHER, San Diego, Calif. Filed Mar. 18, 1922. Serial No. 544,865. 2 Claims. (Cl. 74—109.)

1. A piston ring adapted for use in the oil ring grooves of pistons having said oil ring groove in communication with the interior of the piston, comprising an expansible metallic ring adapted to be seated in the groove and adapted when seated to form between the back thereof and the opposed wall of the piston a chamber in communication with the interior of the piston, said ring being provided in its outer face with upper and lower rabbets, the upper wall of the lower rabbet and the lower



wall of the upper rabbet being at substantially right angles to the axis of the ring, the lower wall of the lower rabbet merging with the outer face of the ring at a point slightly spaced above the lower edge of the ring, the upper rabbet being in communication with said chamber.

1,481,775. WINDOW LOCK. DAVID W. MCKINNIS, Des Moines, Iowa, assignor of one-half to Howard W. Gould, Des Moines, Iowa. Filed Dec. 4, 1922. Serial No. 604,783. 1 Claim. (Cl. 292—170.)

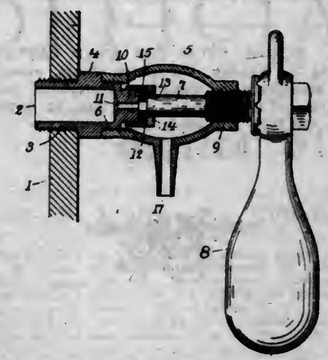


In combination with a window having casing members, sash receiving frame members, and sashes slidably mounted therein, toothed strips in the edges of the sashes, spring strips mounted on the exterior of the sash receiving frame members, dogs fixed on said spring strips extending through openings in the sash receiving frame members and adapted to coact with the toothed strips, and means for moving the dogs to inoperative position, comprising bars slidably mounted on the frame members between said frame members and the spring strips, and wedge elements on said bars adapted to move the springs outwardly, the bars being projected through the casing members.

1,481,776. COCK. WILLIAM W. RICH, West Somerville, Mass. Filed Dec. 10, 1921. Serial No. 521,451. 3 Claims. (Cl. 251—147.)

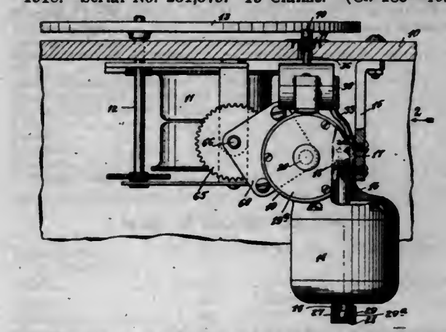
1. A gauge cock comprising a valve seat having an axial opening through it, a washer located upon said seat and having an opening through it in alinement with that of the valve seat, a cap having a hole through it in axial alinement with said openings and enclosing said washer, and a valve movable through said hole to present its end against said washer and having means for giving it a limited retreat from the washer, the annular space between the valve and the wall of the hole in the cap being less than the space between said washer and

valve-end when the latter is fully open, whereby the escape of steam when the valve is opened will meet with less resistance in passing between the washer and



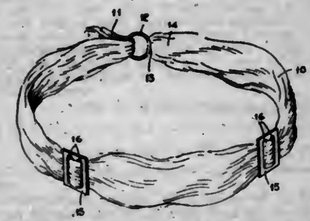
valve-end than in passing through said annular space, and the valve-end and washer will be protected against scoring and grooving.

1,481,777. MOTOR-WINDING APPARATUS. WILLIAM W. ROSENFIELD, New York, N. Y., now by judicial change of name William W. Laird. Filed Apr. 20, 1918. Serial No. 231,379. 19 Claims. (Cl. 185—40.)



1. Winding apparatus for spring motors and the like, comprising in combination with a spring motor or the like and the winding shaft thereof, an electric motor, a driving shaft driven by the electric motor, and means for driving the said winding shaft from said driving shaft, said means being adjustable to permit of the electric motor driving the winding shaft through said means with the motor and driving shaft at different positions with respect to the winding shaft.

1,481,778. HAIR BAND. HENRY SALOMONS, New York, N. Y., assignor to Yvette Co., New York, N. Y., a Corporation of New Jersey. Filed Oct. 22, 1923. Serial No. 669,992. 3 Claims. (Cl. 132—46.)

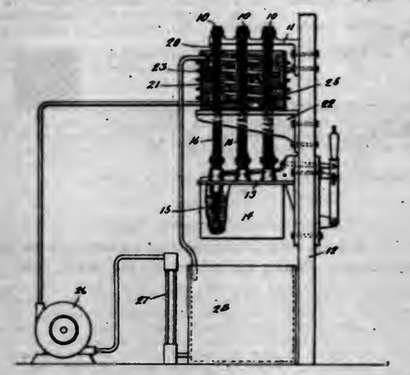


1. The herein described hair band for use across the wearer's forehead and for confining her hair, said band being composed of a narrow strand of human hair, fastening means for the ends of the band, and keeper means applied to the portion of the band intermediate of its ends for holding the band in straight narrow form where it crosses the wearer's forehead.

1,481,779. CALCIUM ORTHO-BENZYLOXYBENZOATE. ERNEST A. WILDMAN, Richmond, Ind., assignor to Swan-Myers Co., Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 18, 1921. Serial No. 462,381. 1 Claim. (Cl. 260—111.)

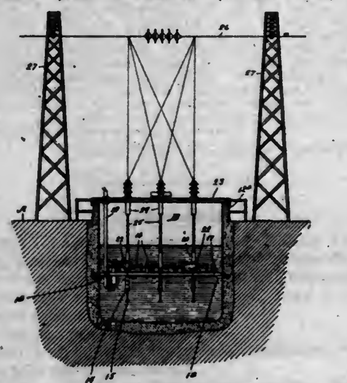
The calcium salt of ortho-benzyl-oxybenzoic acid.

1,481,780. ELECTRICAL DISTRIBUTION SYSTEM. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, jr., Brookline, Mass. Filed Jan. 2, 1920. Serial No. 348,858. 19 Claims. (Cl. 175—298.)



2. An electrical distribution system comprising a conductor of substantial length heated by the current carried thereby, an oil immersed switch electrically and thermally connected with said conductor, and cooling means for the system comprising a plurality of independent cooling units associated with said conductor along its length to abstract heat therefrom and from the system.

1,481,781. HIGH-POTENTIAL ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Brookline, Mass. Filed Mar. 12, 1921. Serial No. 451,921. 12 Claims. (Cl. 200—150.)

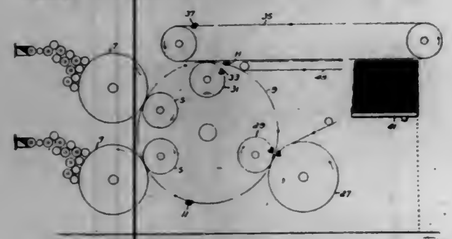


1. An oil immersed electric switch having an oil receptacle comprising a pit sunk in the ground and having a lining of an oil-impervious material, and stationary and movable switch-members and an insulating liquid contained in said pit.

1,481,782. ALLOY FOR TURBINE BLADES. ITYRO ITTAKA, Sugamoachi, Japan. Filed Jan. 6, 1922. Serial No. 527,364. 1 Claim. (Cl. 75—1.)

An alloy for turbine blades, including copper as the main constituent, and subordinate constituents consisting of 5 to 7% of aluminium, 3 to 8% of nickel, and 1 to 3% of iron, and further characterized by the proportions of 90 to 96% of copper plus aluminium, 4 to 10% of nickel plus iron and accordingly 10 to 14% of nickel plus aluminium, substantially as set forth.

1,481,783. PRINTING PRESS. CHARLES AUSTIN MEISEL, Boston, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 16, 1921. Serial No. 501,038. 5 Claims. (Cl. 101—183.)



1. In a press of the type having an orbitally movable sheet carrier, means for delivering the sheet from the carrier comprising a transfer cylinder inteiorly tangent to the sheet path and a delivery chain having a run exteriorly tangent to the path at that point.

1,481,784. SCREW STUD FOR SNAP FASTENERS. PERCY DE F. WARNER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 25, 1923. Serial No. 614,890. 3 Claims. (Cl. 24—213.)



1. A stud for snap fasteners, having a socket engaging element provided with a central depression with substantially parallel inner and outer walls and a perforated bottom and an external laterally extending base flange substantially in the plane of the bottom aforesaid, and a screw having a substantially cylindrical head accurately fitting within the depression and in relatively close contact with its inner wall and having its nickel or slotted portion extending nearly to the top of the depression and exposed therein.

Patents Nos. 1,481,785 to 1,482,375.

THE
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Prints	18—No.	7,132 to No.	7,149, inclusive.
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Designs	24—No.	63,839 to No.	63,862, inclusive.
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Total	883		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Jan. 3, 1924.*

Sara A. Devlin, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Kosmos Chemical Company, 120 East Sixth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered February 24, 1903, No. 39,845, to Sara A. Devlin, 80 Henry Street, Detroit, Mich., and a notice of such declaration sent by registered mail to said Devlin at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Devlin, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 8, 1924.*

Michael Bellegay, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Michael Bellegay, of 3201 Franklin Building, Chicago, Ill., and an application for patent filed by Michael Bulka, of 1934 North Avenue, Chicago, Ill., and the Office having failed to secure service on said Bellegay, notice is hereby given that unless said Bellegay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 9, 1924.*

Dudley E. Mackey, his assigns or legal representatives, take notice:

An interference having been declared by this Office between W. Wm. Winberg, Fourth and Linden Streets, Wilmette, Ill., for registration of a trade-mark and trade-mark registered February 5, 1907, No. 60279, to Dudley E. Mackey, 254 East Street, Springfield, Ohio, and a notice of such declaration sent by registered mail to said Dudley E. Mackey at the said address, as well as to State College, Pa., the address given by the attorney of record, having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Dudley E. Mackey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 19, 1924.*

Philip A. Luckett, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Friedman & Friedman, 1808 De Kalb Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered January 9, 1917, No. 114,897, to Philip A. Luckett, Salisbury, Md., and a notice of such declaration sent by registered mail to said Philip A. Luckett at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Philip A. Luckett, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimer.

1,283,224.—*Louis B. Larsen, Oscar J. Holmes,* and *Hans G. Larsen,* Chicago, Ill. MOTION-PICTURE MACHINE. Patent dated October 29, 1918. Disclaimer filed January 14, 1924, by the assignee, *Acme Motion Picture Projector Co.*

Hereby enters this disclaimer to—

"That part of the claim in said specification which is in the following words, to wit:

"7. In a portable motion picture machine, the combination of a closed rectangular casing, a lamp house arranged in the upper rear portion of said casing and having an open bottom, a laterally sliding plate fitting said bottom of the lamp house, and provided with a depending socket adapted to receive an incandescent lamp and a film feeding mechanism and associated optical system located in front of the lamp house, substantially as set forth."

Condition of Applications Under Examination at Close of Business January 18, 1924.

Item No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 65,645; Trade-Mark Division, 2,121. Oldest new case, Apr. 19, 1923; oldest amended, Apr. 21, 1923. The dates given are 1923 except where * indicates 1924.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 16	May 14	1,184
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 16	May 22	1,218
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 14	Aug. 27	900
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	May 12	June 18	1,319
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Apr. 23	Apr. 26	1,434
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Apr. 21	June 25	1,830
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	June 15	June 14	2,528
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Aug. 1	Sept. 8	1,645
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	May 25	Dec. 22	706
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	May 28	June 18	1,495
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Aug. 15	Aug. 25	905
322	12. PIERCE, F. P., Machine Elements	June 6	June 20	1,129
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 17	Aug. 3	1,187
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Apr. 30	Dec. 4	1,050
308	16. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Apr. 19	May 12	1,984
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Apr. 28	Apr. 27	2,709
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 1	Sept. 8	1,362
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Apr. 23	Apr. 21	2,026
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Aug. 23	Oct. 20	1,122
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 5	June 25	1,329
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	May 2	Nov. 7	910
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	June 8	July 19	442
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Apr. 26	May 5	642
144	24. DURAS, C. O., Apparel: Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 23	June 27	1,085
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Sept. 4	Oct. 2	843
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	May 12	May 11	983
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	June 1	June 9	1,302
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 12	1,316
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 4	June 4	1,230
152	30. SULLIVAN, M. B., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	June 1	Nov. 3	1,104
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	May 31	June 19	1,395
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	May 1	May 1	1,304
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	June 6	June 6	1,391
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Snow Service; Track Sanders; Vehicle Fenders.	July 6	July 12	899
82	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 8	Sept. 15	891
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	June 28	June 20	1,805
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	May 15	May 16	1,766
378	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Apr. 27	Apr. 28	1,595
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 21	May 1	1,114
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 2	Oct. 9	1,925
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 12	June 27	961
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	May 28	June 1	1,787
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	May 21	May 12	1,720
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	May 2	Sept. 7	1,059
179	45. GILES, A. L., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	July 13	June 28	1,514
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	July 18	Aug. 2	1,136
264	47. BARKER, H., Brakes: Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	June 1	Sept. 8	1,025
116	48. ROEPER, O. B., Electricity Conductors; Electricity, General Applications	Apr. 24	Apr. 25	2,368
353	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	June 25	July 17	512
102	DESIGNS: C. C. MARKHAM (Acting)	Dec. 3	Nov. 15	567
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	Dec. 1	Dec. 27	1,955
	(Labels and Prints	Dec. 24	*Jan. 11	166

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

THE H. D. LEE MERCANTILE COMPANY *v.* THEO WEISS AND CO., INC.

Decided September 27, 1921.

1. TRADE-MARKS—OPPOSITION—SUSPENSION OF PROCEEDINGS IN VIEW OF SUIT IN DISTRICT COURT.

Where the opposition proceeding had been suspended by the Examiner of Interferences on the ground that there was pending an equity suit in a United States district court by opposer against the applicant, apparently for alleged infringement of the mark in issue, and where the opposition proceeding was instituted prior to the equity suit and there was no showing that any testimony had been taken in the suit and no suggestion of its moving to an early termination, the order suspending the opposition proceeding was vacated by the Commissioner.

2. SAME—SAME—NEW TIMES FOR TAKING TESTIMONY.

Where the proceeding on a request made was suspended by the Examiner of Interferences before the opposer's time for taking testimony in chief expired, *Held* that opposer was justified in awaiting the outcome of his motion before proceeding with testimony, and on vacation by the Commissioner of the order suspending the proceeding new times should be set giving opposer at least as much time as that which elapsed between the request and the expiration of the former period.

3. SAME—SAME—LARGE NUMBER OF WITNESSES.

Where the applicant asked for an order requiring opposer to particularize regarding a large number of witnesses proposed to be called and their wide distribution and the alleged long time required for examining such witnesses, and also urged that applicant should be given notice longer than is allowed under the ordinary notice for taking testimony, so that it might investigate, *Held* that a longer notice was unwarranted, and the motion for particulars was denied.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR OVERALLS.

The H. D. Lee Mercantile Company pro se.

Mr. Cyrus Kehr for Theo Weiss & Co., Inc.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Interferences suspending proceedings in a trade-mark opposition.

The notice of opposition was filed April 14, 1921, and in due course times were set for taking testimony. On July 25, 1921, opposer filed a request to suspend proceedings on the ground that there was pending a suit in the United States District Court for the Eastern District of Louisiana brought by opposer, as complainant, against the appellant here, as defendant, apparently for alleged infringement of the mark here in issue.

The Examiner of Interferences interpreted the decision in *Keller Tool Company* v. *Chicago Tool Company* at vol. 138 Manuscript Decisions, page 147, as controlling this case and suspended the opposition proceedings.

[1] In the Keller case the suit in the court was filed fourteen months prior to the cancellation proceedings which were suspended. Testimony had been taken in the equity suit, which was "apparently moving to an early termination." The circumstances of the present case are entirely different. The opposition proceeding was instituted prior to the equity suit. There is no showing that any testimony has been taken in the equity suit and there is no suggestion of its moving to an early termination. This brings the present case within *Interborough Brewing Company* v. *Standard Brewing Company*, 5 T. M. Rep. 108; 115 MS. D. 241.

[2] Opposer's time for taking testimony in chief was set to close August 6, 1921. The request for suspension of proceedings was filed July 25, 1921. No testimony has been taken and appellant now asks that the opposition be dismissed because of opposer's default. Opposer was justified in awaiting the outcome of his motion before proceeding with testimony, and new times should now be set giving opposer at least as much time as the interval between July 25 and August 6.

[3] Appellant also asks for an order requiring opposer to particularize regarding the large number of witnesses and their wide geographical distribution and the long time required for examining such witnesses, as set forth in the opposer's request for suspension. Appellant urges that because of the large number and wide distribution of witnesses to be relied on it should be given notice longer than is allowed under the ordinary notice for taking testimony, so that it might investigate. I know of no authority for such action and do not believe that such action is warranted in the present case.

The motion to dismiss the opposition is denied.

The order suspending the opposition proceedings is vacated.

The motion for particulars is denied.

U. S. Circuit Court of Appeals—Second Circuit.

KRANTZ MFG. CO., INC., *v.* METROPOLITAN ELECTRIC MFG. CO.

Decided January 8, 1923.

[286 Fed. Rep. 874.]

PATENTS—805,650, CLAIMS 1, 2, AND 5, FOR PANEL BOARD FOR ELECTRIC FUSES, HELD VALID AND INFRINGED.

The Krantz patent, No. 805,650, claims 1, 2, and 5, for an improved arrangement of electrical plug fuses on a panel board, which resulted in a more compact structure and a saving of materials and proved of commercial utility, *Held* valid and infringed.

APPEAL from the District Court of the United States for the Eastern District of New York.

Suit in equity for infringement of a patent by the Krantz Manufacturing Company, Inc., against

the Metropolitan Electric Manufacturing Company. Decree for plaintiff (282 Fed. 288), and defendant appeals. Affirmed.

Mr. C. P. Goepel for the appellant.

Mr. Drury W. Cooper, Mr. Victor S. Beam, and *Mr. Thomas J. Byrne* for the appellee.

Before ROGERS, HOUGH, and MANTON, Circuit Judges.

MANTON, *Cir. J.:*

Appellee sues for infringement of Krantz patent, No. 805,650, issued November 28, 1905. Below the patent was held valid and infringed as to claims 1, 2, and 5. The invention is for a panel board that is arranged with plug fuses and has for its object to improve the construction thereof. Heretofore fuse-plug receptacles were connected with the bus bars through means of cross bars protruding from the outside of the bus bars. With the new invention here considered, the protruding crossbars are done away with, and the receptacle for the fuse plugs is placed over the bus bars, thus saving material for crossbars and space on the panel board. The inventor also does away with joints between the bus bars and the crossbars formerly leading to the receptacles. The panel board comprises a plate or base made of insulating material, such as slate or marble, contact or connection pieces for attachment to the outside and incoming electrical circuits, longitudinal conducting bars called by the trade "bus bars" which are in electrical connection with the incoming circuits, a series of contact pieces or connections for the local or distribution circuits, crossbars for making connections between the bus bars and the local contact pieces or connections, fusible links so constructed and arranged between the bus bars and each of the local circuit terminals as to be melted and thereby open the circuit, if an excessive and dangerous electrical current is accidentally brought into the building, and receptacles for pieces, such as the ordinary screw plugs, for completing connection between any of the local circuits and the bus bars.

These elements were old and were commonly employed for many years. In electrical distribution circuits, two kinds are known: first, the two-wire circuit, of which one wire is the positive or outgoing conductor from the generator, and the other the negative or return wire for completing the circuit back to the generator; the other, the three-wire circuit, in which there are two generators supplying the three wires, the neutral wire serving as outgoing conductor for one generator and as return conductor for the other generator, when the loads on the two generators are uneven. When the loads are equal, no current flows through the neutral wire. In the three-wire circuit, the panel board has three bus bars, while in the two-wire circuit it has two bus bars. The panel board is standardized, so that a board was sent out completed as to bus bars, cross sections, and the like, and a man skilled in the art could make the proper connections with the outside circuit and with the electrical circuits by attaching the necessary wires to the various terminals upon the board.

Screw plugs for making electrical connection between bus bars and lateral contact pieces leading to the local consumption contacts were also standardized as to size and form. There are various forms of safety devices, but the fuse plugs are the ones considered in this patent. The inventor pointed out the desirability and economies of construction, so far as consistent with the purpose for which the panel board is put, and also safety in construction and arrangement. By the improvement in the panel board, the amount of marble or slate in the base board and the amount of copper in the bus bars and cross connections become less. This invention was in line with the desire or requirement of standardizaton, and the economy in size adapted the device for use in constricted places and is therefore practical. The essence of the invention lies in the use of a cross-connecting piece electrically straddling one bus bar and in electrical contact with the other, in combination with the fuse plug receptacles that are located directly above the bus bars. The claims held below to have been infringed are as follows:

1. In a panel board, the combination of bus bars, and crossbars between the bus bars, with fuse plug receptacles mounted upon said bus bars, and each having a branch line contact piece, one of said contact pieces adapted to be electrically connected to the bus bar beneath its receptacle by a fuse plug, and another adapted to be electrically connected to a crossbar by a fuse plug, but insulated from the bus bar beneath its receptacle.

2. In a panel board, the combination of bus bars and fuse plug receptacles mounted thereon, with a crossbar connected to one of said bus bars and passing into a receptacle on the opposite bus bar.

5. In a panel board, the combination of bus bars and fuse plug receptacles mounted thereover, with a cross bar connected to one of said bus bars and passing into a receptacle on the opposite bus bar, but out of contact with said bus bar, and a branch line contact piece entering said receptacle from the opposite side thereof and adapted to be put into connection with the crossbar, but insulated from the bus bar.

The inventor did not limit himself to the precise details of construction shown in the drawings or specifications as to the receptacle or panel board, but the construction is referred to as follows: The receptacles are made of porcelain or other insulating material, and inside of each is put a conducting metal screw shell F, properly threaded to receive the screw plug G that contains the fuse. By running a short bent contact piece D from the local circuit terminal to the contact-screw shell F, that terminal will be in electrical contact with the screw plug G, when the same is inserted in the shell F. The receptacle C is mounted directly above the bus bar B, the screw shell F is maintained at a considerable distance above the bus bar B, and hence, when the screw plug G is in place, it is quite out of contact with the bus bar; hence the circuit is not completed by contact of the screw plug G with the bus bar. To the left of Figure 3, there is shown a contact screw L projecting down from the upper part of the receptacle and engaging with the bus bar immediately beneath it, but insulated from the contact piece D by an air space or opening *d*, so as to be out of direct contact with the latter. By this means the circuit is completed from bus bar B^1, up through the contact screw L, to the screw plug G, through the fuse contained in the latter to the screw shell F, thence through the lateral contact piece D to the local circuit terminal at the left. The recepacle C has openings at either side, one for the entrance of the contact piece D, the other for entrance of "a connecting piece E," which is in direct contact with the bus bar L, and extends laterally therefrom across through an opening in the opposite shell or receptacle C^1, where it is fastened firmly in position by a contact screw L^1, which holds it in position above, but out of electrical contact with, the second bus bar B^1; it being maintained in firm mechanical union therewith (though out of electrical contact) by the screw L^1 which projects downward from the right-hand screw shell F^1, which latter screw extends to a layer of insulation that overlies the right-hand bus bar B. In mechanical and electrical arrangement the right-hand receptacle C^1 is similar to the left-hand one, except that the shortness of the contact screw L^1, a layer of insulation above the right-hand bus bar B, and a slight air space between that insulation and the bus bar, together act to insulate that bus bar from the screw shell F^1. A short bent contact piece D^1 entering the right-hand shell C^1 connects the screw shell F^1 with the right-hand local-circuit binding post. When a screw-plug is inserted in the right-hand shell its end presses against the contact screw L^1 and so completes the circuit between the right-hand binding post, through lateral contact piece D^1, screw shell F^1, contact screw L^1 to the connecting piece E^1, thence to the left-hand bus bar B^1, the contact screw L, the screw fuse plug G, the left-hand screw shell F, the left-hand contact piece D, to the left-hand local circuit binding post. It is provided that by a modification and construction the next two pairs of local circuit binding posts on the upper part of the board D^1, D^2, may be cross-connected to the lower pair D, D, through a duplicate connecting piece E^2, thus adjacent local consumption circuit terminals may be of opposite polarity, so that a series of complete circuits may be connected up on each side of the panel board.

Appellant distinguishes between its two-wire and three-wire devices in considering its claim of noninfringement. It says it may draw a distinction between "on," "upon," and "thereover," as used in the claim, and the word "above," which it uses to describe the position of its fuse receptacle with its bus bar. It claims its two-wire panel is like Johnson's patent, No. 685,613, of the prior art, and its three-wire like Klein's, No. 636,905, of the prior art. But the Johnson device is a spread-out panel, having none of the advantages of the panel of the patent in suit, and the claims sustained below will not read upon it. Appellant's device is a narrow and economical panel, having the advantages of the Krantz patent. The claims sustained will read upon appellant's as upon the Krantz patent. The Johnson panel, so far as the record goes, was not used, but the appellant's device is in large commercial use.

We are satisfied that Krantz produced a more narrow and economical panel and board, and the new invention saved material and space on the panel board. The Johnson panel is not as economical of material or space. The Krantz patent and device with its two parallel rows of receptacles are arranged, so that the positive and negative wires of each set of contacts are joining and lead out immediately, without the use of excess material from the pair of fuse plugs or receptacles. The prior art shows the bus bars running one way and the rigid crossbars running at right angles thereto allowing the use of double-pole switches in the distribution circuits; that is, contiguous conductors of opposite polarity, and this is to be observed in the Sargent, Bossert, Johnson, and prior Krantz patent, as well as the Klein patent, No. 636,905. Others that have narrower panels with the fuse-plug receptacles over the bus bars, but with no crossbars entering the receptacles, such as the Hundhausen patent, No. 654,310, and the Klein patent, No. 29,154, attempt to arrange the circuits in a particular manner. Johnson has crossbars which are shorter than the standard form, and Klein has crossbars which are larger than those of the prior standard panels. In the Johnson patent, the fuse holder and a portion of the crossbar is elevated or raised to a plane above that of the fuse bar. The fuse holder is not on, upon, or over the bus bar in any sense, and is only above the bus bar in the sense that it is in a plane higher than that of the bus bar. The Johnson device has no shortening of the crossbars, as has the Krantz device, or as in appellant's device. The immediate supports for the fuses are in effect crossbars, and Johnson has therefore protruding crossbars differentiated by Krantz, and is not a narrow panel. Johnson introduced additional parts, and did not save parts. The Klein patent shows a panel of the spread-out variety, and introduces additional length to the crossbars by having certain of them start in the opposite direction from that in which other corresponding branch line contact lies, thereby bringing in additional parts and length to the crossbars, all of this to provide a combination double-pole switching and fusing arrangement. The removable fuse holder is part of the crossbar, and Klein has this protruding crossbar, as has Sargent and Bossert. In both the appellant's and appellee's devices, the path of the circuit is direct to the fuse receptacle and contact piece. That the combined switch and fuse holder of Klein is over the bus bar is only incidental, and nothing is gained, but rather a loss is introduced thereby. Neither the Johnson nor Klein device is described by the claims in suit. The appellant's panel is narrow and economical, and is a saving in material and space, as is stated to be the object of the improvement invented by Krantz, and we think infringes as to claims found infringed below. There is novelty and utility in the invention, and the patent in suit is held valid and infringed.

Decree affirmed.

ADJUDICATED PATENTS.

(C. C. A. Wis.) The Stockham patent, No. 823,710, for auto sand cutter, claims 9 and 10 *Held* not infringed. *L. J. Mueller Furnace Co.* v. *American Foundry Equipment Co.*, 293 Fed. Rep. 165.

(C. C. A. Mass.) The Rashkin patent, No. 871,735, for elevator door, *Held* void for lack of invention. *Pelle Co.* v. *Morrison & Skinner Co.*, 293 Fed. Rep. 370.

(D. C. Cal.) The Perkins patent, No. 1,011,484, for method of cementing oil wells, *Held* infringed. *Perkins Oil Well Cementing Co.* v. *Owen*, 293 Fed. Rep. 455.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

842,154, H. G. Martin, Telegraphic transmitters, suit filed Nov. 27, 1923, D. C., S. D. N. Y., Doc. E 28/73, *The Vibroplex Co., Inc.*, v. *J. H. Bunnell & Co.*

942,700, L. H. Baekeland, Condensation product of phenol and formaldehyde and method of making same; 942,809, same, Condensation product and method of making same, suit filed Nov. 21, 1923, D. C., S. D. N. Y., Doc. E 28/51, *Bakelite Corp.* v. *Mehta et al.*

942,809. (See 942,700.)

958,478, W. E. Davey, Process of reenforcing trees, suit filed Oct. 30, 1923, D. C. Minn. (1st Div.), Doc. E 11, *The Davey Tree Expert Co.* v. *B. Paulson.* Consent decree granting final injunction, Dec. 3, 1923.

1,007,596, Re 13,428, W. L. Murphy, Disappearing bed, suit filed July 19, 1923, D. C., S. D. Calif., Doc. G 124, *Murphy Wall Bed Co. et al* v. *Los Angeles Wall Bed Co.*

1,114,246, F. M. Furber, Temperature-controlling apparatus for internal-combustion engines, suit filed Nov. 28, 1923, D. C., W. D. N. Y., Doc. C-499, *Detroit Motor Appliance Co.* v. *Irving Engineering Sales Co., Inc.*

1,148,328, Kohman, Hoffman & Godfrey, Manufacture of bread; 1,151,526, same, Yeast-saving composition in bread making, suits filed Nov. 28, 1923, D. C., N. D. Ohio, Doc. 1010, *Ward Baking Co.* v. *M. Romisch (Koco Products Co.).* Same, Doc. 1011, *Ward Baking Co.* v. *The Beyer Co. et al.*

1,151,526. (See 1,148,328.)

1,158,933, Kohman, Hoffman & Blake, Manufacture of bread; 1,282,867, Bread-making composition, suits filed Nov. 27, 1923, D. C., N. D. Calif., Doc. 1183, *Ward Baking Co.* v. *M. Getz & Co., Inc.* Same, Doc. 1184, *Ward Baking Co.* v. *Lee-Greefkens Co.*

1,178,938, C. Nielsen, jr., Shutter device for gas-engine radiators; 1,458,593, J. F. Raleigh, Shutter apparatus for radiators; 1,471,510, G. M. Willis, Radiator shutter control, suit filed Nov. 28, 1923, D. C., N. D. Ohio, Doc. 1009, *Pines Mfg. Co. et al.* v. *Fedders Mfg. Co.*

1,197,152, C. F. Robbins, Carbureters, suit filed Nov. 27, 1923, D. C., S. D. N. Y., Doc. E 28/74, *C. F. Robbins* v. *General Motors Corp.*

1,202,693, O. F. Feix, Abrading roll for leather-dressing machines; 1,241,363, same, Leather-dressing machine, suit filed Nov. 23, 1923, D. C., N. D. N. Y., Doc. 446, *The Gloversville Abrading Co., Inc.*, v. *Dempster & Place Co., Inc.*

1,210,502, W. H. Lutton, Greenhouse, suit filed Dec. 3, 1923, D. C., S. D. N. Y., Doc. E 28/78, *W. H. Lutton Co.* v. *Lord & Burnham Co.*

1,241,363. (See 1,202,693.)

1,265,910, J. A. Heidbrink, Apparatus for delivering a mixture of gases; 1,309,686, same, Anesthetic apparatus, suit filed Nov. 7, 1923, D. C., E. D. Wis., Doc. 1365 C. D., *J. A. Heidbrink et al.* v. *C. H. Hardessen Co.*

1,282,867. (See 1,158,933.)

1,309,686. (See 1,265,910.)

1,458,593. (See 1,178,938.)

1,471,510. (See 1,178,938.)

1,472,509, R. H. Bitter, Spot-light mounting, suit filed Nov. 26, 1923, D. C., N. D. Ohio, Doc. 436, *The Inshield Products Co.* v. *J. J. Walen.*

Re. 13,428. (See 1,007,596.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,400,003, C. Schaller, Calculating machine, decided December 8, 1923, claims 1 and 2.

Pat. 1,411,793, McGee and Kent, Pump, decided December 6, 1923, claims 3 and 4.

TRADE-MARKS CANCELED.

53,497. Soap. Eddy Palmer, New York, N. Y. Registered June 5, 1906. Canceled January 5, 1924.

93,228. Canned fish. Barker, Harris & Kehrhahn, Boston, Mass. Registered August 26, 1913. Canceled December 8, 1923.

109,697. Moving-picture films. Universal Film Manufacturing Co., New York, N. Y. Registered Apr. 11, 1916. Canceled January 5, 1924.

128,446. Leather, canvas, and fabric shoes. H. Malkin's Sons, Brooklyn, N. Y. Registered January 6, 1920. Canceled January 5, 1924.

134,757. Toilet and shaving soap. Solon Palmer, New York, N. Y. Registered September 14, 1920. Canceled January 5, 1924.

148,845. Perfumes, toilet waters, face powder, face lotion, and brilliantine. Marie Marthe Richard Vve. Grenoville, Asnières, France. Registered November 29, 1921. Canceled January 5, 1924.

167,998. Paper garment bags. The Rike Folding Box Company, Dayton, Ohio. Registered May 8, 1923. Canceled January 5, 1924.

168,286. Topper coats. William Kleinberg, Rochester, N. Y. Registered May 15, 1923. Canceled January 5, 1924.

168,517. Certain named gas lighting fixtures and devices. Coleman Lamp Co., Wichita, Kans. Registered May 22, 1923. Canceled January 5, 1924.

169,424. Snap fasteners. Kranish Bros., New York, N. Y. Registered June 12, 1923. Canceled January 5, 1924.

Notices of Cancellation.

U. S. PATENT OFFICE, *Washington, Jan. 22, 1924.*

Lady Jane Hat Shops, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Samuel Stores, Inc., 456 Fourth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of Lady Jane Hat Shops, Inc., of 2826 Broadway, New York, N. Y., No. 136,063, dated October 26, 1920, and the notice of such proceeding sent by registered mail to said Lady Jane Hat Shops, Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Lady Jane Hat Shops, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 14, 1924.*

John R. Edmiston, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James Brothers, of 1519 Boardwalk, Atlantic City, N. J., to effect the cancellation of the trade-mark registration of John R. Edmiston, of 1231 Pennsylvania Avenue, Washington, D. C., No. 172,016, dated August 21, 1923, and the notice of such proceeding sent by registered mail to the said John R. Edmiston at the said address and also to No. 7 North Howard Street, Baltimore, Md., having been returned by the post office authorities as undeliverable, notice is hereby given that unless said John R. Edmiston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 10, 1924.*

Austin, Poor & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Austin, Poor & Co., of 72 Leonard Street, New York, N. Y., No. 54,319, dated June 26, 1906, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Austin, Poor & Co., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 29, 1924.

[Vol. 318. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 141,536. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) Societe Anonyme Des Aeroplanes G. Voisin, Paris, France. Filed Dec. 27, 1920.

AVIONS VOISIN

Particular description of goods.—Aeroplanes, Together with Their Detached Pieces and Accessories—Namely, Propeller Screws, Rudders, Supporting Wings and Planes, Frames or Fuselages and Featherings; Automobiles, Motor Cycles, Together with Their Detached Pieces and Accessories—Namely, Metal and Wood Vehicle Bodies, Hinged Windows, Metal or Wood Wheels.

Claims use since Dec. 9, 1919.

Ser. No. 151,551. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Benjamin Klein, Chicago, Ill. Filed Aug. 8, 1921.

KLEIN'S VER SET

Particular description of goods.—Scissors Gauges.

Claims use since July 1, 1921.

Ser. No. 152,018. (CLASS 6. CHEMICALS, MEDICINES. AND PHARMACEUTICAL PREPARATIONS.) The Luzanne Company, Phoenix, Ariz., and Los Angeles, Calif. Filed Aug. 22, 1921.

MAGI

Particular description of goods.—Facial Cream.

Claims use since Feb. 9, 1921.

Ser. No. 152,328. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) The International Derrick & Equipment Company, Columbus, Ohio. Filed Aug. 29, 1921.

IDECO

Particular description of goods.—Derricks and Complete Drilling Derrick Equipment and Parts Thereof, Comprising Walking Beams, Crown Blocks, Iron and Steel Sheave Pulleys, Storage Tanks, Water Towers, Bull Wheels, Calf Wheels, Band Wheels, Engine Houses, Pitmen, Sucker Rods, Drilling Rigs, Drilling Machines, Pumping Machines, Forge Boxes, Tool Boxes, Substructures for Drilling Derricks, Unloading Platforms, and Buildings.

Claims use since Apr. 1, 1921.

Ser. No. 154,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Maple Grove Candies, Inc., St. Johnsbury, Vt. Filed Oct. 24, 1921.

Maple Grove

Particular description of goods.—Maple Cream, Maple Sirup, Maple Sugar in Bulk, Sauce for Ice Cream, and Maple Honey.

Claims use since summer of 1915.

Ser. No. 164,421. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. Glemby's Sons Co., Inc., New York, N. Y. Filed May 24, 1922.

WINSOME

Particular description of goods.—Hair Nets.

Claims use since May 1, 1922.

Ser. No. 164,422. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed May 24, 1922.

GAYETY

Particular description of goods.—Hair Nets.
Claims use since May 1, 1922.

Ser. No. 164,632. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CROFTS & REED CO., Chicago, Ill. Filed May 29, 1922.

SUPREMA

No particular claim is made to the representation of the cake of soap appearing on the drawing apart from the mark shown.
Particular description of goods.—Toilet Soap.
Claims use since May 13, 1922.

Ser. No. 165,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPOKANE VALLEY GROWERS UNION, Opportunity, Wash. Filed June 12, 1922.

PINELAND
BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Apples.
Claims use since October, 1921.

Ser. No. 165,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY W. PEABODY & CO., New York, N. Y. Filed June 15, 1922.

SHEBA

Particular description of goods.—Figs in Natural Condition, Pressed or Pulled.
Claims use since May 29, 1922.

Ser. No. 165,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY W. PEABODY & CO., New York, N. Y. Filed June 15, 1922.



Particular description of goods.—Figs in Natural Condition, Pressed or Pulled.
Claims use since May 29, 1922.

Ser. No. 166,102. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ERNEST REICH COMPANY, Chicago, Ill. Filed June 26, 1922.

Tearless Mincer

The word "Mincer" apart from the trade-mark is disclaimed.
Particular description of goods.—Household Utensils—Namely, Devices for Mincing, Cutting, Chopping Fruits, Nuts, Berries, Cabbage, Lettuce.
Claims use since February, 1922.

Ser. No. 166,257. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PAASCHE AIR BRUSH COMPANY, Chicago, Ill. Filed June 29, 1922.

PAASCHE AIR

No claim is made to the words "Air Devices" or to the representation of a pneumatic tool apart from the trade-mark as shown by the drawing.
Particular description of goods.—Air-Brush Painting Outfits and Replacement Parts Thereof and Pneumatic Polishing, Rubbing, and Abrading Machines.
Claims use since July, 1919.

Ser. No. 166,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL EGG PRODUCTS COMPANY, Los Angeles, Calif. Filed July 14, 1922.

MELLOCREME

Particular description of goods.—Gelatinous Powder for Making Ice Cream, Gravies, and Custards.
Claims use since June 14, 1922.

Ser. No. 167,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERAL PURE FOOD COMPANY, Chicago, Ill. Filed July 21, 1922.

TOOTSWEET

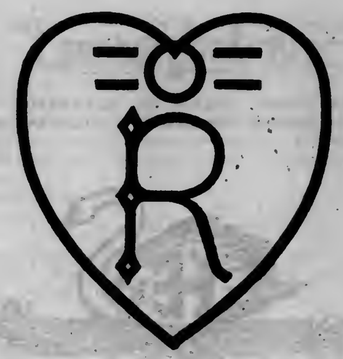
Particular description of goods.—Compound to be Used in Preparing the Filling for Pies and in Preparing Puddings, Cakes, and Desserts.
Claims use since February, 1918.

Ser. No. 167,845. (CLASS 32. FURNITURE AND UPHOLSTERY.) HECHT'S FURNITURE HOUSE, Baltimore, Md. Filed Aug. 5, 1922.

PERFHECHTION

Particular description of goods.—Household Furniture—Namely, Beds, Dressers, Vanity Dressers, Chiffarettes, Chairs, Chiffarobes, Benches, Rockers, Cedar Chests, Buffets, China Closets, Serving Tables, Tables, Settees, Couches, and Bookcases.
Claims use since Jan. 2, 1922.

Ser. No. 168,982. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM T. ROUTH, McRae, Ga. Filed Sept. 1, 1922.



Particular description of goods.—Ironworkers' Tools, Comprising Blacksmiths' Chisels, Tongs, Swages, Punches, Hammers, Gouges, and Drills.
Claims use since March, 1921.

Ser. No. 169,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEDRO LUPI, Barcelona, Spain. Filed Sept. 25, 1922.



The descriptive and geographical reading matter on the mark is hereby disclaimed—Namely, "1/4 Gallon Guaranteed Full Measure. This oil being strictly pure is therefore recommended for medicinal and all other purposes for which olive oil is used. Brand. We guarantee the absolute purity of our oil and its perfect preservation. Keep the oil in a cool and dry place. 1/4 Galon Medida Garantida Siendo este aceite absolutamente puro es recomendado en todas partes para uses medicinales y en general para todos aquellos en que se emplee Aceite de Oliva. Garantizamos la absoluta pureza de nuestro Aceite de Oliva y su perfecta conservacion Guardese en Lugar frio y seco."
Particular description of goods.—Olive Oil.
Claims use since May, 1919.

Ser. No. 170,121. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CANFIELD RUBBER COMPANY, Bridgeport, Conn. Filed Sept. 30, 1922.

"SNOWYTE"

Particular description of goods.—Dress Shields.
Claims use since Mar. 13, 1907.

Ser. No. 170,242. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EASTERN HAIR NET TRADING CO., New York, N. Y. Filed Oct. 3, 1922.

Turbanet

Particular description of goods.—Hair Nets.
Claims use since 1912.

Ser. No. 170,642. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDENBERG'S, Washington, D. C. Filed Oct. 12, 1922.

SMART SET

Particular description of goods.—Linen Piece Goods, Bed Sheets, Pillowcases, Textile Tablecloths, Napkins, Doilies, Woolen Piece Goods, Cotton Piece Goods, Lace in the Piece, Textile Towels, Wash Rags, Handkerchiefs, Silk Piece Goods, Velvet Piece Goods, Ribbons in the Piece, Percales in the Piece, Textile Linings in the Piece, Textile Blankets, Textile Comforts, Textile Rugs, Calicoes in the Piece, Carpets, Crêpe Cloth in the Piece, Hair Nets, Veilings, Portières, Window-Shade Cloth, Chiffon in the Piece, Serge in the Piece, Cheviots in the Piece, Ginghams in the Piece, Chambrays in the Piece, Lace Curtains, and Canvas.

Claims use since Mar. 1, 1922.

Ser. No. 170,645. (CLASS 32. FURNITURE AND UPHOLSTERY.) GOLDENBERG'S, Washington, D. C. Filed Oct. 12, 1922.

SMART SET

Particular description of goods.—Household Furniture—Namely, Chest of Drawers, Cedar Chests, Beds, Chairs, Bureaus, Chiffoniers, Tables, Washstands, Matting Boxes, Tea Wagons, Bookcases, Divans, Morris Chairs, Sofas, Wardrobes, Dressers, Davenports, Stools, Coat Trees, Chair Cushions, Buffets, China Closets, Rocking-Chairs, Filing Cabinets, Hatracks, Desks, Desk Chairs, Umbrella Stands, Parlor Tables, Pedestals, Kitchen Cabinets, Kitchen Tables, Mirrors, Sewing Cabinets, Reclining Chairs, Springs, and Mattresses.

Claims use since Mar. 1, 1922.

Ser. No. 170,953. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE Q & C COMPANY, New York, N. Y. Filed Oct. 19, 1922.

Q&C

Particular description of goods.—Railway Equipment. Consisting of Rail Benders, Rail Saws, Snowplows, Snow Flangers for the Removal of Snow Between the Rails, Piston-Rod Lubricators and Switches.

Claims use since Jan. 1, 1891.

Ser. No. 171,935. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ORA D. MCCLINTOCK, Chicago, Ill. Filed Nov. 13, 1922.

Doris

Particular description of goods.—Hair Curlers.

Claims use since Jan. 8, 1920.

Ser. No. 172,696. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) U. S. SLICING MACHINE COMPANY, La Porte, Ind. Filed Nov. 29, 1922.

THE WORLD'S BEST VBP SLICER

No claim is made to the use of the words "Best" and "Slicer" apart from the mark shown.

Particular description of goods.—Bread and Meat Slicing Machine.

Claims use since on or about Nov. 3, 1921.

Ser. No. 172,930. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BOSTON MANUFACTURING COMPANY, 1901, Waltham, Mass. Filed Dec. 5, 1922.

BESTONE

Particular description of goods.—Cotton Piece Goods.

Claims use since Nov. 2, 1922.

Ser. No. 172,946. (CLASS 39. CLOTHING.) HUROWITZ & EADRICH, New York, N. Y. Filed Dec. 5, 1922.



Particular description of goods.—Coats, Suits, and Wraps for Women.

Claims use since May, 1922.

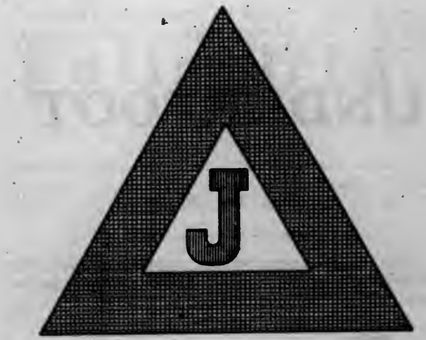
Ser. No. 173,228. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN S. BOYD CO. INC., Williamstown, Mass., and New York, N. Y. Filed Dec. 12, 1922.

JUVENILE

Particular description of goods.—Corduroys in the Piece.

Claims use since Jan. 7, 1921.

Ser. No. 173,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCHIE H. BECHTOL, doing business as Southern Confection Company, Memphis, Tenn. Filed Dec. 22, 1922.



Particular description of goods.—Candy Confections.

Claims use since Dec. 4, 1922.

Ser. No. 173,804. (CLASS 39. CLOTHING.) LANSBURGH & BRO., INC., Washington, D. C. Filed Dec. 27, 1922. Under ten-year proviso.

Lansburgh & Bro.

Particular description of goods.—Men's, Youths', and Boys' Coats, Vests, Trousers, and Overcoats; Straw, Felt, and Textile Hats and Caps; Dress, Negligee, and Work Shirts.

Claims use since 1890.

Ser. No. 173,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL WHOLESALE GROCERS, INC., Chicago, Ill. Filed Dec. 29, 1922.

TRAYMORE

Particular description of goods.—Canned Vegetables and Canned Fish.

Claims use since Oct. 26, 1922.

Ser. No. 174,779. (CLASS 27. HOROLOGICAL INSTRUMENTS.) IBEX WATCH CO., INC., New York, N. Y. Filed Jan. 19, 1923.



No claim is made to the figures indicating the hours on the watch dial apart from the mark shown on the drawing.

Particular description of goods.—Watch Movements and Watchcases.

Claims use since March, 1920.

Ser. No. 175,420. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AMERICAN PHONOPHOR CORPORATION, New York, N. Y. Filed Feb. 2, 1923.

Duophone

No claim is made to phone apart from the mark shown and described, no common-law rights, however, being waived. The mark consists of the word "Duophone."

Particular description of goods.—Earphones for the Use of Persons with Defective Hearing.

Claims use since Dec. 5, 1922.

Ser. No. 175,859. (CLASS 37. PAPER AND STATIONERY.) D. GESTETNER LIMITED, London, England. Filed Feb. 10, 1923.

DUROTYPE

Particular description of goods.—Stencil Papers, Especially Prepared for Printing Papers Preferably of the Absorbent Type Used in Duplicating Machines; Styles; Repairing Varnishes, that is Varnish Containing Wax in Solution Which is Used for Obliterating Mistakes Made on Wax Stencils and for Repairing the Stencils Generally; Stencil-Writing Plates of the Type Made of Metal Having a Surface Similar to a Very Fine File and Over Which the Wax Base is Placed and the Styles Used for Writing on the Wax Paper Prior to Duplicating.

Claims use since Sept. 23, 1921.

Ser. No. 175,860. (CLASS 37. PAPER AND STATIONERY.) D. GESTETNER LIMITED, London, England. Filed Feb. 10, 1923.

GESTEPRINT

Particular description of goods.—Stencil Papers, Especially Prepared for Printing Papers Preferably of the Absorbent Type Used in Duplicating Machines; Styles; Repairing Varnishes, that is Varnish Containing Wax in Solution Which is Used for Obliterating Mistakes Made on Wax Stencils and for Repairing the Stencils Generally; Stencil Writing Plates of the Type Made of Metal Having a Surface Similar to a very Fine File and Over Which the Wax Base is Placed and the Styles Used for Writing on the Wax Paper Prior to Duplicating.
Claims use since Dec. 31, 1919.

Ser. No. 177,257. (CLASS 38. PRINTS AND PUBLICATIONS.) GEO. C. WILSON, doing business as The Wilson Chemical Company and as Wilson Seed Company, Tyrone, Pa. Filed Mar. 10, 1923.

WILSON'S SUPERIOR GARDEN SEEDS

Particular description of goods.—Publication Issued Periodically.
Claims use since Nov. 1, 1922.

Ser. No. 177,603. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SOLOMAN H. GOLDBERG, doing business as Hump Hairpin Manufacturing Co., Chicago, Ill. Filed Mar. 17, 1923.



Particular description of goods.—Wire Hairpins.
Claims use since Feb. 1, 1923.

Ser. No. 177,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCES FRIEND, Los Angeles, Calif. Filed Mar. 24, 1923.

Lovekist

Particular description of goods.—Orange Confection Consisting of Small Substantially Spherical Body of Orange Preserves or Conserve Wholly Inclosed and Covered by a Thin Jacket or Coating of Orange-Covered Fondant.
Claims use since Jan. 15, 1923.

Ser. No. 178,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed Mar. 26, 1923.

THERMEX

Particular description of goods.—Ointment Used as a Rub in Treating Inflammatory or Congested Conditions.
Claims use since Nov. 27, 1922.

Ser. No. 178,113. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MAYNOR COMPANY, Philadelphia, Pa. Filed Mar. 27, 1923.

UNDERFOOT

Particular description of goods.—Series of Instruction Charts for Playing Golf.
Claims use since about Dec. 10, 1922.

Ser. No. 178,529. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 3, 1923.

Zenith

Particular description of goods.—Skis, Steering Sleds, Coaster Wagons, Toy Velocipedes, Baseballs, Baseball Bats, Mitts, Gloves, and Masks; Golf Clubs, Golf Bags, Golf Balls, Tennis Rackets, Croquet Sets, Toy Bicycles, Fish Rods and Reels, Fishlines, and Leaders, Boxing Gloves, Footballs, Basket Balls, and Punching Bags.
Claims use since about Mar. 1, 1923.

Ser. No. 179,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST A. WOLLITZ, Oakland, Calif. Filed Apr. 26, 1923.



The words "Bathing Compound" are disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Therapeutic Bath Compounds.
Claims use since Apr. 3, 1923.

Ser. No. 179,830. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HYMAN SLATKIN, doing business as Felmor Chemical Works, Baltimore, Md. Filed Apr. 27, 1923.

SHINE-GLO

Particular description of goods.—Stove Polish.
Claims use since Apr. 16, 1923.

Ser. No. 180,494. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PRIMROSE DRAPERIES, INC., New York, N. Y. Filed May 11, 1923.

Polly Prim

Particular description of goods.—Bedspreads.
Claims use since Apr. 27, 1923.

Ser. No. 180,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CABAMA COMPANY, Huntsville, Ala. Filed May 14, 1923.

CABAMA

Particular description of goods.—Mouth Wash.
Claims use since February, 1923.

Ser. No. 180,592. (CLASS 32. FURNITURE AND UPHOLSTERY.) DE WITT-SEITZ COMPANY, Duluth, Minn. Filed May 14, 1923.



De Witt-Seitz Company disclaims any right to the exclusive use of the words "Guaranteed" and "Mattress" appearing on said trade-mark.
Particular description of goods.—Mattresses.
Claims use since about Nov. 1, 1920.

Ser. No. 181,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. S. PIERCE CO., Boston, Mass. Filed May 23, 1923.

OVERLAND

Particular description of goods.—Marmalade, Sweetened Chocolate, Fruits in Sirup in Cans and Jars, Gelatine, Jams, Jelly, and Honey.
Claims use since December, 1916.

Ser. No. 181,217. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR C. PESTERRE, Beverly Hills, Calif. Filed May 26, 1923.



Particular description of goods.—Polish for Mirrors, Lamp Reflectors, Windows, Windshields; Platinum, Gold, Silver, Nickel, Brass, Steel, Golf Clubs, Jewelry, and Similar Purposes.
Claims use since May 6, 1923.

Ser. No. 181,218. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR C. PESTERRE, Beverly Hills, Calif. Filed May 26, 1923.

AMAZING

Particular description of goods.—Polish for Mirrors, Lamp Reflectors, Windows, Windshields; Platinum, Gold, Silver, Nickel, Brass, Steel, Golf Clubs, Jewelry, and Similar Purposes.
Claims use since May 6, 1923.

Ser. No. 181,676. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Filed June 8, 1923.



No claim is made for the representation of the container apart from the mark and no claim is made for any of the wording appearing on the drawing excepting the words "Two In One."

Particular description of goods.—Shoe Pastes, Cakes, and Liquids.

Claims use since about Jan. 1, 1913.

Ser. No. 182,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN DIEGO MACARONI MANUFACTURING COMPANY, San Diego, Calif. Filed June 14, 1923.



Particular description of goods.—Macaroni, Spaghetti, Vermicelli, Noodles, and Alimentary Pastes.

Claims use since Sept. 10, 1913.

Ser. No. 182,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WAH CHANG TRADING CORPORATION, New York, N. Y. Filed June 21, 1923.



Particular description of goods.—Indigo, Synthetic Indigo Paste, and Caustic Soda.

Claims use since about June 1, 1920.

Ser. No. 182,423. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KNICKERBOCKER CHOCOLATE CO., New York, N. Y. Filed June 25, 1923.

HASTY LUNCH

Particular description of goods.—Sweetened Cocoa Powder for Beverage Purposes, Ice Cream, Cakes, and the Like.

Claims use since Mar. 1, 1893.

Ser. No. 182,556. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY O. WILLETTS, doing business as Tuft's Drug Co., Yakima, Wash. Filed June 28, 1923.

FLI--SWAT

Particular description of goods.—Preparation for Use as an Insect Repellent.

Claims use since May 5, 1923.

Ser. No. 182,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLDEN STATE MILK COMPANY, Vallejo, Calif. Filed July 5, 1923.

Maid of California



Particular description of goods.—Butter.

Claims use since Apr. 15, 1923.

Ser. No. 182,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE REINHOLD, Germantown, Philadelphia, Pa. Filed July 5, 1923.

D-LOH-NIER

The mark consists of the word "D-Loh-Nier."

Particular description of goods.—An Ointment for the Treatment of Rheumatism, Eczema, Hemorrhoids, Skin Eruptions, Burns, Sores, Cuts, Pimples, Pains in the Back, Chest, Lumbago, Headaches, Piles, Chafing, Neuralgia, Toothache, Etc., Cold in the Head and Sore Throat.

Claims use since March, 1919.

Ser. No. 182,846. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHANNELL LIMITED, Toronto, Ontario, Canada. Filed July 5, 1923.

CHAN

"Chan."

Particular description of goods.—Wax for Polishing Wood, Finished Metal, and Varnished or Painted Surfaces.

Claims use since Mar. 1, 1923.

Ser. No. 182,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEMADIT SPECIALTY KITCHEN, sometimes doing business as MRS. K. B. Lang, Pleasantville, N. J. Filed July 6, 1923.

"Wemadit"

Particular description of goods.—Fruits, Jams, Jellies, and Marmalades, Fruit Confections, Crystallized and Glacé Fruits.

Claims use since Feb. 1, 1916.

Ser. No. 183,399. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY INC., New Brighton, N. Y. Filed July 18, 1923.

"SALAMANDER"

Particular description of goods.—Cold-Water Paints in Dry Powder Form.

Claims use since Dec. 14, 1914.

Ser. No. 183,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY OUSTAYAN, New York, N. Y. Filed July 23, 1923.



Particular description of goods.—An Ointment for Swelling and Abscesses.

Claims use since on or about Jan. 1, 1885.

318 O. G.—56

Ser. No. 183,589. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed July 23, 1923.

PARA-LEAD

No claim is made to the word "Lead" apart from the mark as shown in the drawings.

Particular description of goods.—Paint Having a White-Lead and Zinc Base with Linseed Oil.

Claims use since Feb. 1, 1923.

Ser. No. 183,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWEET CANDY COMPANY, doing business at Sweet's, Salt Lake City, Utah. Filed July 25, 1923.

ROLL OF HONOR

Particular description of goods.—Candy.

Claims use since July 1, 1923.

Ser. No. 183,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS DIMICELI, doing business as D. & P. Chemical Co., Brooklyn, N. Y. Filed July 26, 1923.

ALO-COMPOUND
GRANULES
FOR CONSTIPATION

No claim is made to the words "Compound Granules for Constipation" apart from the mark shown.

Particular description of goods.—Preparation for Constipation.

Claims use since Jan. 15, 1923.

Ser. No. 183,922. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GLIDE SYRUP COMPANY, St. Joseph, Ill. Filed Aug. 1, 1923.

Glide

Particular description of goods.—Nonalcoholic Beverage Compounded from Mint, Lime, Lemon Extracts, and Pure Fruit Sirups.

Claims use since February, 1923.

Ser. No. 183,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAPPAS BROTHERS, Fort Wayne, Ind. Filed Aug. 1, 1923.

BEADY BAR

No claim is made to the word "Bar" apart from the other features of the mark shown on the drawing.
Particular description of goods.—Candy.
Claims use since July 21, 1923.

Ser. No. 184,038. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NICHOLS UNDERWEAR CORPORATION, Bridgeport, Conn. Filed Aug. 3, 1923.

JIFFY-TRIM

Color is not an essential feature of the trade-mark.
Particular description of goods.—Straight and Bias Binding Strips for Clothing or Garments and Knitted and Woven Tapes and Trimmings Having the General Nature of Tapes.
Claims use since on or about Mar. 16, 1921.

Ser. No. 184,108. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM R. SWETT, Osceola Mills, Pa., assignor to Superior Ice Cream Corporation, Osceola Mills, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1923.

GOLDEN SEAL



No claim is made to the words "It's Superior" apart from the mark shown. The lining in the drawing is for shading only.
Particular description of goods.—Ice Cream.
Claims use since July 1, 1922.

Ser. No. 184,145. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NICHOLS UNDERWEAR CORPORATION, Bridgeport, Conn. Filed Aug. 6, 1923.

SEW TRIM EZE

Color is not an essential feature of the trade-mark.
Particular description of goods.—Straight and Bias Binding Strips for Clothing or Garments and Knitted and Woven Tapes and Trimmings Having the General Nature of Tapes.
Claims use since on or about Mar. 16, 1921.

Ser. No. 184,205. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Aug. 8, 1923.

Trojonette

Particular description of goods.—Silk, Artificial Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since May 15, 1923.

Ser. No. 184,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTON L. MILLER, Boston, Mass. Filed Aug. 11, 1923. Under ten-year proviso.

Miller's

Particular description of goods.—Candies.
Claims use since 1887.

Ser. No. 184,571. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TERGOL LABORATORIES, New York, N. Y. Filed Aug. 16, 1923.

TERGOL

The mark consists of the invented word "Tergol."
Particular description of goods.—External Remedy for Constipation.
Claims use since about June 1, 1923.

Ser. No. 184,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING CO., San Jose, Calif. Filed Aug. 18, 1923.

4 IN 1

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since May 31, 1923.

Ser. No. 184,641. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.

"CANADA DRY"

Particular description of goods.—Ginger Ale.
Claims use since 1890.

Ser. No. 184,642. (CLASS 45. BEVERAGES, NONALCOHOLIC). CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.



The crosshatching in the drawing indicates the colors of blue, pink, green, yellow, and gold.
Particular description of goods.—Ginger Ale.
Claims use since 1890.

Ser. No. 184,643. (CLASS 45. BEVERAGES, NONALCOHOLIC) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.



The drawing is lined for pink, blue, green, yellow, and gold.
Particular description of goods.—Ginger Ale.
Claims use since 1890.

Ser. No. 184,644. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.



Particular description of goods.—Ginger Ale.
Claims use since 1890.

Ser. No. 184,645. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.



The crosshatching in the drawing indicates the colors of blue, pink, green, yellow, and gold.
Particular description of goods.—Ginger Ale.
Claims use since 1890.

Ser. No. 184,649. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Aug. 18, 1923. Under ten-year proviso.

THE FAMOUS CANADA DRY NEW YORK GINGER ALE INC.

The words "Canada Dry" are lined for the color red, and the other printed matter is blue.

Particular description of goods.—Ginger Ale.

Claims use since 1890.

Ser. No. 184,854. (CLASS 15. OILS AND GREASES.) HOT POINT OIL & SUPPLY COMPANY, Harrisburg, Pa. Filed Aug. 22, 1923.

HOT POINT

Particular description of goods.—Gasoline, Lubricating Oils and Greases.

Claims use since June 15, 1923.

Ser. No. 184,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELIGHT MANUFACTURING COMPANY, Oakland, Calif. Filed Aug. 25, 1923.

DAILY DELIGHT

Particular description of goods.—Deodorant Solution for External Use.

Claims use since Mar. 1, 1923.

Ser. No. 185,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CORNELIUS ALLERT, Ritzville, Wash. Filed Aug. 28, 1923.

C. ALLERT—MFG RITZVILLE, WASH. TRI ANGLE SEED TREATER TRADE MARK-PAT. PEND

No claim is made for the words "Ritzville, Wash., Seed Treater, Mfg., Trade Mark, Pat. Pend."

Particular description of goods.—Seed Treaters.

Claims use since Aug. 1, 1923.

Ser. No. 185,095. (CLASS 38. PRINTS AND PUBLICATIONS.) THE STANDARD CORPORATION, New York, N. Y. Filed Aug. 28, 1923.

Modes and Manners Publications

Particular description of goods.—Fashion Periodical.

Claims use since Aug. 10, 1923.

Ser. No. 185,147. (CLASS 32. FURNITURE AND UPHOLSTERY.) RONEO LIMITED, London, England. Filed Aug. 29, 1923.

RONEO

Particular description of goods.—Metal Filing Cabinets, Metal Desks, Metal Tables for Offices and Libraries, Metal Lockers, All Being Office Furniture.

Claims use since Nov. 12, 1908.

Ser. No. 185,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAUL E. WEISSTEIN, doing business as Preventyne Co., St. Louis, Mo. Filed Aug. 29, 1923.

Preventyne

Particular description of goods.—Tooth Paste.

Claims use since June 1, 1923.

Ser. No. 185,320. (CLASS 43. THREAD AND YARN.) SOCIÉTÉ POUR LA FABRICATION DE LA SOIE "RHODIASETA," Paris, France. Filed Sept. 4, 1923.

RHODIASETA

Particular description of goods.—Yarns and Threads of Fibers Made of Cellulose Derivatives.

Claims use since July 10, 1922.

Ser. No. 185,415. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

BANDALETTE

The mark consists of the word "Bandalette."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since 1905.

Ser. No. 185,419. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

DENISE

The mark consists of the word "Denise."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since Jan. 1, 1923.

Ser. No. 185,420. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

BELLECLAIRE

The mark consists of the words "Belle Claire."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since 1915.

Ser. No. 185,422. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

ELSINORE

The mark consists of the word "Elsinore."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since 1905.

Ser. No. 185,423. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

FIELDER

The mark consists of the word "Fielder."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since 1911.

Ser. No. 185,427. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

GLASCOTT

The mark consists of the word "Glascott."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since 1905.

Ser. No. 185,428. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923.

GRENETTE

The mark consists of the word "Grenette."

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.

Claims use since Jan. 1, 1923.

Ser. No. 185,437. (CLASS 39. CLOTHING.) P. CENTEMERI & CO., New York, N. Y. Filed Sept. 7, 1923.

Riverside

The mark consists of the word "Riverside."
Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1905.

Ser. No. 185,440. (CLASS 39. CLOTHING.) P. CENTEMERI & CO., New York, N. Y. Filed Sept. 7, 1923.

THE WARDROBE

The mark consists of the words "The Wardrobe."
Particular description of goods.—Hosiery, Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children.
Claims use since prior to Apr. 8, 1919.

Ser. No. 185,442. (CLASS 39. CLOTHING.) P. CENTEMERI & CO., New York, N. Y. Filed Sept. 7, 1923.

Zara

The mark consists of the word "Zara."
Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1915.

Ser. No. 185,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Sept. 8, 1923.

Heller's
Ice Cream Bouquet
TRADE MARK REG. U. S. PAT. OFF.

The words "Reg. U. S. Pat. Off." and "Trade Mark Reg. U. S. Pat. Off." are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Ice-Cream-Flavoring Compound.
Claims use since April, 1923.

Ser. No. 185,850. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STOWE & WOODWARD COMPANY, Newton and Newton Upper Falls, Mass. Filed Sept. 15, 1923.



No claim is made herein for the representation of a ball apart from the mark shown.
Particular description of goods.—Nonmetallic Billiard, Pool, Roque, and Croquet Balls.
Claims use since Apr. 15, 1922.

Ser. No. 185,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FULLER-MORRISSON COMPANY, Chicago, Ill. Filed Sept. 19, 1923.

SAINT REGIS

The mark consists of the words "Saint Regis."
Particular description of goods.—Olive Oil.
Claims use since Jan. 1, 1920.

Ser. No. 186,033. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) TALBIGHT, INC., Chicago, Ill. Filed Sept. 21, 1923.

ENSPAIN

Particular description of goods.—Corn Pads.
Claims use since Aug. 1, 1923.

Ser. No. 186,045. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CHASE & CO., Jacksonville, Fla. Filed Sept. 22, 1923.

Sunniland

Particular description of goods.—Nonalcoholic, Maltless Fruit Juices Used for Beverage Purposes.
Claims use since Sept. 3, 1915.

Ser. No. 186,049. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIETRO DE VECCHI, Milan, Italy. Filed Sept. 22, 1923.



No claim is made to the text on the labels with the exception of the words "Fernet Pietro De-Vecchi," "Specialita Di Pietro De-Vecchi," and applicant's facsimile signature, without, however, waiving any common-law rights.
Particular description of goods.—Stomach Tonics and Bitters.
Claims use since Aug. 28, 1922.

Ser. No. 186,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD S. SMITH, doing business as Warsaw Milling and Grain Company, Warsaw, Ind. Filed Sept. 22, 1923.

Early Bird

Particular description of goods.—Buckwheat Flour.
Claims use since 1910.

Ser. No. 186,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD TIME MINCE MEAT CORPORATION, Syracuse, N. Y. Filed Sept. 27, 1923.

SPIE6C9I2AL

The color is shown in the drawing as substantially black. The word "Special" is disclaimed except as intertwined or spaced between the figures, as shown in the drawing.
Particular description of goods.—Mincemeat.
Claims use since Sept. 7, 1923.

Ser. No. 186,468. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN FARNUM CO., Philadelphia, Pa. Filed Oct. 2, 1923. Under ten-year proviso.



Particular description of goods.—Cotton Piece Goods.
Claims use since about 1873.

Ser. No. 186,499. (CLASS 33. GLASSWARE.) GILLINDER BROTHERS, Port Jervis, N. Y. Filed Oct. 3, 1923.

Colortone

Particular description of goods.—Illuminating Glassware Globes.
Claims use since Dec. 1, 1922.

Ser. No. 186,500. (CLASS 33. GLASSWARE.) GILLINDER BROTHERS, Port Jervis, N. Y. Filed Oct. 3, 1923.

Embroidro

Particular description of goods.—Illuminating Glassware Globes.
Claims use since June 1, 1922.

Ser. No. 186,502. (CLASS 33. GLASSWARE.) GILLINDER BROTHERS, Port Jervis, N. Y. Filed Oct. 3, 1923.

Satinola

Particular description of goods.—Illuminating Glassware Globes.
Claims use since June 1, 1922.

Ser. No. 186,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RESETAR BROS., Watsonville, Calif. Filed Oct. 10, 1923.

SUN GROWN

Particular description of goods.—Fresh Apples.
Claims use since Aug. 19, 1923.

Ser. No. 186,890. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 12, 1923.

Maritana

Particular description of goods.—Woolen Piece Goods.
Claims use since Aug. 15, 1923.

Ser. No. 186,891. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 12, 1923.

Patou Crepe

No claim to the exclusive use of the term "Crepe" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 1, 1923.

Ser. No. 186,910. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX KAUFMANN & CO., INC., New York, N. Y. Filed Oct. 12, 1923.

Nitene

Particular description of goods.—Cotton Fabrics and Cotton Piece Goods Suitable for Underclothing and Other Purposes.
Claims use since Sept. 29, 1923.

Ser. No. 186,960. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., North Bergen, N. J., and New York, N. Y. Filed Oct. 13, 1923.

POM-POM "A MIGEL FABRIC"

The word "Fabric" is disclaimed apart from the mark shown.
Particular description of goods.—Silk Goods in the Piece.
Claims use since September, 1923.

Ser. No. 187,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOM K. PLAKIS, doing business as Liberty Candy Co., Detroit, Mich. Filed Oct. 15, 1923.

Oh Cherries

Particular description of goods.—Bar Candy.
Claims use since Sept. 14, 1923.

Ser. No. 187,048. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FINSILVER, STILL & MOSS, INC., New York, N. Y. Filed Oct. 16, 1923.

TRADE MARK

Bencleugh Fabrics

MADE IN GREAT BRITAIN

"Fabrics," "Trade Mark," and "Made in Great Britain" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1923.

Ser. No. 187,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Oct. 17, 1923.

Particular description of goods.—Frozen Eggs.
Claims use since June 1, 1923.

Ser. No. 187,133. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GUSTAV RUTH, Wandsbek near Hamburg, Germany. Filed Oct. 17, 1923.



Particular description of goods.—Paints, Including Ready-Mixed Paints, Paste Paints, Paint Pigments, Paint Oils and Vehicles, and All Constituents Ordinarily Employed as Components of Paints, Enamel Paints, Preservative Paints, Paint or Varnish Removers, Paint or Varnish Revivers, Priming Paints, Acid and Alkali Proof Paints, Water-Resisting Paints, Salt-Water-Resisting Paints, Rustproof Paints, Preservative Paints, Antifouling Paints and Insecticidal Paints, Distemper Paints, Turpentine, Turpentine Substitutes, Lacquers, Varnishes, Mineral-Oil Vehicles, Fatty-Drying-Oil Vehicles, Fatty-Nondrying-Oil Vehicles, Paint or Varnish Driers, or, Briefly Stated, Paints and Varnishes of All Kinds and Ingredients Thereof and Materials or Compositions Used Therewith.
Claims use since Mar. 16, 1910.

Ser. No. 187,160. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLAUS F. HINCK, Jr., Montclair, N. J. Filed Oct. 18, 1923.

TUKAWAY TOYS

No claim made to the exclusive use of the word "Toys" apart from the mark as shown in the drawing. The mark consists of the words "Tukaway Toys."
Particular description of goods.—Folding Toys Simulating Animal Figures.
Claims use since Oct. 5, 1923.

Ser. No. 187,248. (CLASS 39. CLOTHING.) MORRIS COHEN, New Haven, Conn. Filed Oct. 20, 1923.

AUTO

Particular description of goods.—Sweaters, Bathing Suits, and Knitted and Textile Fabric Underwear for Men, Women, and Children.
Claims use since Nov. 1, 1917.

Ser. No. 187,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE GLAZIER MANUFACTURING CO., South Glastonbury, Conn. Filed Oct. 20, 1923.

Lochswirl

The mark consists of the word "Lochswirl."
Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 20, 1923.

Ser. No. 187,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YVETTE CO., New York, N. Y. Filed Oct. 22, 1923.

YVETTE

Particular description of goods.—Certain Specified Toilet Preparations—Namely, Vanishing Cream, Massage Cream, Cold Cream, Face Powder, Liquid Face Powder, Arm and Neck Whitener, Massage Lotion, Face Balm, Hand Jelly, Dry Rouge, Lip Sticks, Skin-Cleansing Emolient, Astringent, Wrinkle Pomade, Bleach Cream, Scalp Ointment, Eucalyptus Scalp Ointment, Sulphur Scalp Cream, Liquid Nail Polish, Dry Nail Polish, Nail White, Manicure Cuticle Oil, Depilatory, Brilliantine Hair Dressing, Hair Gloss, Dandruff Salve, Gray-Hair Whitener, Liquid Shampoo, a Preparation for Curling and Waving the Hair, Hair Tonic, Compact Powder (Poudre), and Rouges.
Claims use since about 1900.

Ser. No. 187,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y. Filed Oct. 23, 1923.

D'Arline

Particular description of goods.—Perfumes, Toilet Waters, Face Creams, Rouge, Lip Sticks, Powders, and Compacts.
Claims use since Oct. 1, 1923.

Ser. No. 187,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y. Filed Oct. 23, 1923.

TIJADE

D'Arline

Particular description of goods.—Perfumes, Toilet Waters, Face Creams, Rouge, Lip Sticks, Powders, and Compacts.
Claims use since Oct. 1, 1923.

Ser. No. 187,387. (CLASS 39. CLOTHING.) RYDAL MILLS, INC., Philadelphia, Pa. Filed Oct. 23, 1923.

ORIENT

Particular description of goods.—Ladies' Silk and Woolen Hosiery.
Claims use since Aug. 15, 1923.

Ser. No. 187,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS SCHERAGO, doing business as Southern Biological Laboratories, Lexington, Ky. Filed Oct. 23, 1923.

Acidofilak

Particular description of goods.—Cultured Milk.
Claims use since Oct. 16, 1923.

Ser. No. 187,389. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y. Filed Oct. 23, 1923.

Kotinsilk

Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 11, 1923.

Ser. No. 187,393. (CLASS 39. CLOTHING.) SUSQUEHANNA HOSIERY MILLS, Philadelphia, Pa. Filed Oct. 23, 1923.

Sylvania Maid Hosiery

No claim is made to the use of the word "Hosiery."
Particular description of goods.—Silk Hosiery.
Claims use since Sept. 26, 1923.

Ser. No. 187,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. H. REIST & COMPANY, Dayton, Ohio. Filed Oct. 25, 1923.

REIST'S
U-Bet
Foot Ointment

No claim is made to the words "Foot Ointment" apart from the association in which they are shown.
Particular description of goods.—Foot Ointment.
Claims use since July, 1912.

Ser. No. 187,503. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BOSTON MANUFACTURING COMPANY, 1901, Waltham, Mass. Filed Oct. 26, 1923.

NUART

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 27, 1923.

Ser. No. 187,509. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COLLINS & AIKMAN CO., Philadelphia, Pa. Filed Oct. 26, 1923.



Particular description of goods.—Pile Fabric Piece Goods and Cut Lengths.
Claims use since Oct. 8, 1923.

Ser. No. 187,525. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION TOOL WORKS, INC., Marion, Ind. Filed Oct. 26, 1923.

CRECOITE
STEEL TOOLS
MARION TOOL WORKS INCORPORATED
MARION, IND. U.S.A.

The lining expresses the color gold. No claim is made to the use of the words "Steel Tools" and "Marion, Ind. U. S. A." apart from the mark shown on the drawing, all common-law rights, however, being reserved by applicant.
Particular description of goods.—Steel Tools, Particularly, Hatchets, Axes, Broadaxes, Half Hatchets, Shingling Hatchets, Claw Hatchets, Scout Axes, Adze Eye Nail Hammers, Ball Pein Hammers, Screw Drivers, Spike Mauls, Track Adzes, and Wrenches.
Claims use since June, 1922.

Ser. No. 187,526. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION TOOL WORKS, INC., Marion, Ind. Filed Oct. 26, 1923.



Particular description of goods.—Steel Tools, Particularly Hatchets, Axes, Broadaxes, Half Hatchets, Shingling Hatchets, Claw Hatchets, Scout Axes, Adze Eye Nail Hammers, Ball Pein Hammers, Screw Drivers, Spike Mauls, Track Adzes, and Wrenches.
Claims use since Sept. 26, 1923.

Ser. No. 187,527. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION TOOL WORKS, INC., Marion, Ind. Filed Oct. 26, 1923.

MATOWOC
STEEL TOOLS
MARION TOOL WORKS INCORPORATED
MARION, IND. U.S.A.

No claim is made to the use of the words "Steel Tools" and "Marion, Ind. U. S. A." apart from the mark shown on the drawing, all common-law rights, however, being reserved by applicant. The lining expressing the colors red and yellow.
Particular description of goods.—Steel Tools, Particularly Hatchets, Axes, Broadaxes, Half Hatchets, Shingling Hatchets, Claw Hatchets, Scout Axes, Adze Eye Nail Hammers, Ball Pein Hammers, Screw Drivers, Spike Mauls, Track Adzes, and Wrenches.
Claims use since Sept. 26, 1923.

Ser. No. 187,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MISSION BEAD COMPANY, Los Angeles, Calif., and Chicago, Ill. Filed Oct. 26, 1923.

Nu-Youth
REG. U.S. PAT. OFF.

The exclusive use of the words "Reg. U. S. Pat. Off." apart from the mark as shown is disclaimed.
Particular description of goods.—Beauty Clay.
Claims use since July 10, 1923.

Ser. No. 187,554. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VAN CAMP HARDWARE & IRON COMPANY, doing business as A. B. Caldwell Mfg. Co., Indianapolis, Ind. Filed Oct. 26, 1923.

Vanco

Particular description of goods.—Scythes, Hoes, Rakes, Hay and Coal Forks, Shovels, Spades and Garden Forks, Drain Cleaners, Hand Pumps, Feed Choppers, Lard Presses; Cutlery, Comprising Butcher Knives, Corn Knives, Pocketknives, Table Knives and Forks of Base Metal, Razors, Shears, and Scissors, Pruners, Horse Clippers, Horse and Sheep Shearing Machines; Grass Hooks, Lawn Mowers, Sewing Machines, Carpet Sweepers, Drilling Machines, Machine Blowers, Cream Separators, Emery and Sandstone Grinding Machinery; Mechanics' Tools, Comprising Hatchets, Hammers, Chisels, Tongs, Auger Bits, Braces, Pliers, Planes, Screw Drivers, Files, Wedges, Saws, Rivet, Nail and Saw Sets, Clamps, and Implements for Laying Granitoid, Cement and Mortar, Trowels, Brace Jaws; Carpenters' Wrecking Bars, Putty Knives, Ice Picks, Posthole Diggers, Saw Frames, Garden Trowels, Awls, Coal Wedges, Wood-Chopping Wedges, Nail Pullers and Mauls.
Claims use since Jan. 1, 1914.

Ser. No. 187,564. (CLASS 39. CLOTHING.) BENJAMIN ALAN COHEN, New York, N. Y. Filed Oct. 27, 1923.

Standard Student

Particular description of goods.—Dress Shirts, Knickerbockers, Textile Underwear, Pyjamas, Bath Robes and Dressing Gowns.
Claims use since Sept. 1, 1923.

Ser. No. 187,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROS., San Francisco, Calif. Filed Oct. 30, 1923.

TrupaK
SUPER QUALITY

Applicant disclaims the right to the exclusive use of the words "Super Quality" apart from the mark as shown.
Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Jan. 4, 1923.

Ser. No. 187,706. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Oct. 30, 1923.



No claim made to the representation of a playing card apart from the mark shown on the drawing.

Particular description of goods.—Playing Cards.

Claims use since about 1912.

Ser. No. 187,727. (CLASS 39. CLOTHING.) CRYSTAL MILLS, INC., West New York, N. J. Filed Oct. 31, 1923.

Marigold

Particular description of goods.—Women's, Misses', and Girls' Dresses.

Claims use since Oct. 15, 1923.

Ser. No. 187,751. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LIDGERWOOD MFG. CO., New York, N. Y. Filed Oct. 31, 1923. Under ten-year proviso.

LIDGERWOOD

Particular description of goods.—Hoisting, Digging, and Conveying Machinery and Parts Appurtenant Thereto.

Claims use since 1870.

Ser. No. 187,761. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NEW ENGLAND MILLS CO., Chicago, Ill. Filed Oct. 31, 1923.

Nemco

Particular description of goods.—Automobile Tires and Tubes of Rubber; Valves, Valve Stems, and Parts Thereof for Automobile Tires and Radiator Hose.

Claims use since January, 1918.

Ser. No. 187,769. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) REICHENBACH & CO., New York, N. Y. Filed Oct. 31, 1923.

RealtoneShirtings

No claim is made to the word "Shirtings" apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Shirtings in the Piece.

Claims use since Sept. 10, 1923.

Ser. No. 187,781. (CLASS 15. OILS AND GREASES.) D. A. STUART & CO., Chicago, Ill. Filed Oct. 31, 1923.

"KLEEN KUT"

Particular description of goods.—Base Oil for Cutting Fluids and Coolants.

Claims use since March, 1914.

Ser. No. 187,868. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BERT JONES, Chicago, Ill. Filed Nov. 2, 1923.

STIKFAST

Particular description of goods.—Machine for Applying Paste to Labels.

Claims use since Feb. 25, 1920.

Ser. No. 187,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Charm Cloth

No rights are asserted to the exclusive use of the term "Cloth" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Woolen Piece Goods.

Claims use since Oct. 1, 1923.

Ser. No. 187,985. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE S. CARRINGTON CO., Chicago, Ill. Filed Nov. 5, 1923.

BUNNY BOY

Particular description of goods.—Dolls and Toy Animals.

Claims use since about Oct. 9, 1923.

Ser. No. 187,986. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE S. CARRINGTON CO., Chicago, Ill. Filed Nov. 5, 1923.

DOGGY DAN

Particular description of goods.—Dolls and Toy Animals.

Claims use since about Oct. 9, 1923.

Ser. No. 187,987. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE S. CARRINGTON CO., Chicago, Ill. Filed Nov. 5, 1923.

KITTY KUTE

Particular description of goods.—Dolls and Toy Animals.

Claims use since about Oct. 9, 1923.

Ser. No. 187,988. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE S. CARRINGTON CO., Chicago, Ill. Filed Nov. 5, 1923.

ELLA PHANT

Particular description of goods.—Dolls and Toy Animals.

Claims use since about Oct. 9, 1923.

Ser. No. 187,999. (CLASS 46. FOODS, AND INGREDIENTS OF FOODS.) DAUBER BROTHERS, Chicago, Ill. Filed Nov. 5, 1923.



No claim is made to the words "Brand" and "Milk Fed" apart from the mark as shown, no common-law rights being waived, however.

Particular description of goods.—Dressed Poultry.

Claims use since July 1, 1923.

Ser. No. 188,025. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Nov. 5, 1923.



Particular description of goods.—Soap Cream Used for Shaving.

Claims use since July 18, 1923.

Ser. No. 188,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE SHEOPOOLOS, doing business as Universal Candy Co., Chicago, Ill. Filed Nov. 5, 1923.

Merveille

Particular description of goods.—Candy.

Claims use since Oct. 24, 1923.

Ser. No. 188,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. R. ARNOLD & CO., New York, N. Y. Filed Nov. 6, 1923.



No claim is made to the words "Order as No." apart from the mark shown in the drawing, but said corporation reserves all of its common-law rights therein.

Particular description of goods.—Face Powders, Rouges, Eyebrow Crayons, Lip Sticks, Face Creams, Perfumery Extracts, Eau-de-Toilette, Brilliantine, and Shampoo Powder.

Claims use since about 1912.

Ser. No. 188,047. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) THE CLEVELAND WORM AND GEAR COMPANY, Cleveland, Ohio. Filed Nov. 6, 1923.

Cleveland

CW&GC

WORM GEAR REDUCTION UNITS

The words "Cleveland" and "Worm Gear Reduction Units" are disclaimed apart from the mark as shown by the drawing, without, however, relinquishing any common-law rights.

Particular description of goods.—Worm Gearing.

Claims use since Jan. 1, 1923.

Ser. No. 188,055. (CLASS 39. CLOTHING.) MITCHELL BROS. INC., New York, N. Y. Filed Nov. 6, 1923.

NYMPHORM

The mark consists of the word "Nymphorm."

Particular description of goods.—Ladies', Misses', and Children's Muslin, Silk, and Flannelette Undergarments in One, Two, and Three Piece Items

Claims use since Oct. 25, 1923.

Ser. No. 188,060. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB SPECTOR, Keystone, W. Va. Filed Nov. 6, 1923.

SPECTOR'S

10 10 10 10 10

DIME

REMEDY

No claim is made to the words "Dime Remedy" apart from the mark as shown.

Particular description of goods.—General Medicinal Tonic.

Claims use since May 15, 1923.

Ser. No. 188,073. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed Nov. 6, 1923.

TRADE LOCKOTE MARK

No claim is made to the exclusive use of the words "Trade Mark" apart from the mark shown on the drawing.

Particular description of goods.—Ready-Mixed Paints and Varnishes, Especially Priming Coats, Sealing Coats, and First Coats.

Claims use since Jan. 15, 1923.

Ser. No. 188,152. (CLASS 38. PRINTS AND PUBLICATIONS.) W. E. GOODFELLOW, doing business as The American Dance Publishing House, Springfield, Ohio. Filed Nov. 9, 1923.

The Terpsichorean

Particular description of goods.—Title to a Monthly Periodical Devoted to Dancing.

Claims use since Sept. 1, 1920.

Ser. No. 188,155. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Nov. 9, 1923.

THE GUY FROM GRAND RAPIDS

Particular description of goods.—Cartoons.

Claims use since Oct. 22, 1923.

Ser. No. 188,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN HURWITZ, doing business as Na-Hu Laboratories, New York, N. Y. Filed Nov. 10, 1923.

GLORYNE

Particular description of goods.—Hair Tonic.

Claims use since Dec. 18, 1922.

Ser. No. 188,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACK E. FULLER, doing business as J. E. Fuller Specialty Company, Kansas City, Kans. Filed Nov. 12, 1923.

Platenole



Particular description of goods.—Liquid Preparation for Rejuvenating Rubber Typewriter Rollers or Platens.

Claims use since about January, 1922.

Ser. No. 188,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TROMITE CORPORATION, New York, N. Y. Filed Nov. 12, 1923.

Tromite

Particular description of goods.—Water Softener and Grease Solvent.

Claims use since July 16, 1923.

Ser. No. 188,268. (CLASS 39. CLOTHING.) HELENA WHOLESALE DRY GOODS COMPANY, Helena, Ark. Filed Nov. 13, 1923.

Ladies' Sweetheart Brand

No claim is made to the word "Brand" apart from the mark shown in the drawing. The lining represents red.

Particular description of goods.—Men's, Youths', and Boys' Overalls; Men's Work Pants and Dress Pants, Men's and Boys' Work Shirts, Men's and Boys' Dress Shirts, Men's and Boys' Flannel Shirts; Men's, Women's, and Children's Cotton Knit Underwear; Men's and Boys' Athletic Underwear; and Men's, Women's, and Children's Cotton, Silk, and Wool Hosiery.

Claims use since Oct. 4, 1922.

Ser. No. 188,275. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. W. OWENS, Titusville, Pa. Filed Nov. 13, 1923.

BELL LENE

Particular description of goods.—General Healing Salve and a Blood Maker and Purifier.

Claims use since June 12, 1923.

Ser. No. 188,296. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHALMERS CHEMICAL COMPANY, Newark, N. J. Filed Nov. 14, 1923.

PHENOID

Particular description of goods.—Cleansing Preparation to be Used in Cleaning Type and Fabrics and Particularly Auto Tops, Curtains, Slip Covers, and Automobile Upholstery.

Claims use since about November, 1911.

Ser. No. 188,311. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN J. KENT, doing business as Red's Mfg. Co., Seatle, Wash. Filed Nov. 14, 1923.

Red's Auto Polish

No claim is made to the words "Auto Polish" apart from the mark shown on the drawing.

Particular description of goods.—Polish for Automobiles, Pianos, Furniture, and Woodwork.

Claims use since Oct. 1, 1923.

Ser. No. 188,317. (CLASS 33. GLASSWARE.) MANUFACTURES DES GLACES ET PRODUITS CHEMIQUES DE ST. GOBAIN, CHAUNY & CIREY, Paris, France. Filed Nov. 14, 1923.



No claim is made to the words "St. Gobain" apart from the mark shown in the drawing.

Particular description of goods.—Crystal Ware, Plate Glass, Table and Ornamental Glassware.

Claims use since July 27, 1923.

Ser. No. 188,350. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WELDFAST SYSTEM, INC., Salem, Mass. Filed Nov. 14, 1923.

WELDFAST

The mark consists of the word "Weldfast."
Particular description of goods.—Bundling Machines.
Claims use since about Oct. 15, 1922.

Ser. No. 188,390. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SYRACUSE CHILLED PLOW COMPANY, INC., Syracuse, N. Y. Filed Nov. 15, 1923.

1 1 1 1/2

Particular description of goods.—Plows and Parts Thereof.
Claims use since about June 1, 1910.

Ser. No. 188,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES F. BALLARD INCORPORATED, St. Louis, Mo. Filed Nov. 16, 1923.

HERBINE

Particular description of goods.—Preparation for the Treatment of Biliousness, Flatulence, Headache, Sour Stomach, Indigestion, Dyspepsia, Fever, Constipation, Malaria, Chills, and Liver Complaint.
Claims use since about June 15, 1878.

Ser. No. 188,425. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE NIBLO M'F'G. CO., Newark, N. J., and New York, N. Y. Filed Nov. 16, 1923.

The REDDY TEE

The word "Tee" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Golfing Tees.
Claims use since about May 23, 1923.

Ser. No. 188,472. (CLASS 38. PRINTS AND PUBLICATIONS.) DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y. Filed Nov. 17, 1923.

The Dodge Idea

In the accompanying drawing the fine horizontal lines are shown merely for the purpose of shading and do not designate any particular color.
Particular description of goods.—Monthly Periodical.
Claims use since March, 1909.

Ser. No. 188,699. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PULTEX MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 22, 1923.

PULTEX

Particular description of goods.—Pulleys and Split Pulleys.
Claims use since Nov. 15, 1923.

Ser. No. 188,791. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Under ten-year proviso.

AKRON

Particular description of goods.—Artificial Fish-Bait Spinners.
Claims use since Jan. 1, 1894.

Ser. No. 188,793. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

ATLAS

Particular description of goods.—Fishing Reels.
Claims use since Feb. 5, 1916.

Ser. No. 188,795. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

BUCKEYE

Particular description of goods.—Fishing Reels.
Claims use since Dec. 13, 1903.

Ser. No. 188,796. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

BUCKSPIN

Particular description of goods.—Artificial Fish-Bait Spinners.
Claims use since July 25, 1923.

Ser. No. 188,798. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

CATCH THE NIBBLER

Particular description of goods.—Fishing Floats.
Claims use since May 3, 1910.

Ser. No. 188,806. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

ELINOR

Particular description of goods.—Fishing Reels.
Claims use since Apr. 12, 1916.

Ser. No. 188,808. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

EVERLASTER

Particular description of goods.—Fishing Reels.
Claims use since Mar. 20, 1916.

Ser. No. 188,818. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

OCEANIC

Particular description of goods.—Fishing Reels.
Claims use since Sept. 2, 1916.

Ser. No. 188,821. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

PONTIAC

Particular description of goods.—Fishing Reels.
Claims use since May 3, 1916.

Ser. No. 188,822. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

PROGRESS

Particular description of goods.—Fishing Reels.
Claims use since Nov. 8, 1910.

Ser. No. 188,823. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

REGAL

Particular description of goods.—Fishing Reels.
Claims use since June 10, 1916.

Ser. No. 188,824. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

RUBBER-CITY

Particular description of goods.—Fishing Reels.
Claims use since Feb. 26, 1923.

Ser. No. 188,825. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

SEMINOLE

Particular description of goods.—Fishing Reels.
Claims use since July 12, 1916.

Ser. No. 188,826. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

SENTRIE

Particular description of goods.—Fishing Reels.
Claims use since Nov. 2, 1916.

Ser. No. 188,828. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

STRONGHOLD

Particular description of goods.—Snaps for Attaching Bait to Fishing Lines.
Claims use since June 10, 1916.

Ser. No. 188,830. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

TEMPLAR

Particular description of goods.—Fishing Reels.
Claims use since July 15, 1916.

Ser. No. 188,835. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923.

WORTH

Particular description of goods.—Fishing Reels.
Claims use since Apr. 2, 1910.

Ser. No. 188,837. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. P. FULLER & CO., San Francisco, Calif. Filed Nov. 24, 1923.



The portrait is fanciful.
Particular description of goods.—White Lead.
Claims use since June 29, 1921.

Ser. No. 188,876. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ABEGG & REINHOLD CO. INC., Los Angeles, Calif. Filed Nov. 26, 1923.

VARCO

Particular description of goods.—Metal-Working Tools, Woodworking Tools, Oil-Well Tools—Namely, Dies, Drills, Cold Chisels, Plugging Chisels, Solid Punches, Rivet Punches, Center Punches, Auto Punches, Quick Punches, Calking Irons, Plumbers' Yarning Irons, Socket Wrenches, Cap-Screw Wrenches, Wrench Handles, and Sockets.
Claims use since January, 1914.

Ser. No. 189,211. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) U. S. OIL COMPANY, Providence, R. I. Filed Dec. 4, 1923.

FULLOL

Particular description of goods.—Fulling and Scouring Oils.
Claims use since Nov. 1, 1923.

Ser. No. 189,295. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Dec. 6, 1923.

SHAVING BANK

Particular description of goods.—Safety-Razor Sets
Claims use since Nov. 15, 1923.

Ser. No. 189,535. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SKOUT MFG. COMPANY, Los Angeles, Calif. Filed Dec. 11, 1923.

Skout

Particular description of goods.—Hack Saws.
Claims use since Sept. 15, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JANUARY 29, 1924.

178,778. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, RICE, ROLLED OATS, MACARONI, SPAGHETTI, NOODLES, SPICES, AND COFFEE. LOUISVILLE GROCERY CO., Louisville, Ky.
Filed May 19, 1923. Serial No. 180,870. PUBLISHED NOVEMBER 6, 1923.

178,779. EPSOM-SALTS PILLS. HARRY DALE KUHN, doing business as H. Dale Kuhn; H. Dale Kuhn Manufacturing Pharmacist; Kuhn Drug Company and H. Dale Kuhn Laboratory, Shelby, Ohio.
Filed June 14, 1923. Serial No. 181,999. PUBLISHED NOVEMBER 6, 1923.

178,780. BELT BUCKLES OF PRECIOUS OR IN PART PRECIOUS METAL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed May 4, 1923. Serial No. 180,191. PUBLISHED OCTOBER 16, 1923.

178,781. BREAD. HALL BAKING CO., Buffalo, N. Y.
Filed May 19, 1923. Serial No. 180,861. PUBLISHED OCTOBER 30, 1923.

178,782. CREAM CHEESE. BREAKSTONE BROS., INC., New York, N. Y.
Filed May 22, 1923. Serial No. 180,958. PUBLISHED OCTOBER 30, 1923.

178,783. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 5, 1923. Serial No. 180,234. PUBLISHED OCTOBER 30, 1923.

178,784. CEREAL SCRATCH AND CHICK FEED FOR POULTRY AND CEREAL FEED FOR HOGS. CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware.
Filed May 7, 1923. Serial No. 180,301. PUBLISHED OCTOBER 30, 1923.

178,785. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 5, 1923. Serial No. 180,233. PUBLISHED OCTOBER 30, 1923.

178,786. METAL CAPS FOR BOTTLES AND JARS. CLOSURE SERVICE CORPORATION, Brooklyn, N. Y., assignor to The Closure Service Company, Toledo, Ohio, a Corporation of Ohio.
Filed May 28, 1923. Serial No. 181,248. PUBLISHED OCTOBER 23, 1923.

178,787. CERTAIN NAMED TOILET PREPARATIONS. CAROLINE RUTH FAJANS, New York, N. Y.
Filed June 11, 1923. Serial No. 181,825. PUBLISHED NOVEMBER 6, 1923.

178,788. PERFUMES. SOCIÉTÉ WORTH, Paris, France.
Filed June 15, 1923. Serial No. 182,070. PUBLISHED NOVEMBER 6, 1923.

178,789. GENERAL MEDICINAL TONIC. PABST CORPORATION, Milwaukee, Wis.
Filed June 16, 1923. Serial No. 182,110. PUBLISHED NOVEMBER 6, 1923.

178,790. PREPARATION FOR EXTERMINATING INSECTS. BEYER-FREY CHEMICAL COMPANY, INC., Lancaster, Pa.
Filed June 16, 1923. Serial No. 182,083. PUBLISHED NOVEMBER 6, 1923.

178,791. CUFF BUTTONS, COLLAR BUTTONS, TIE HOLDERS, SOFT-COLLAR HOLDERS, SCARF-PINS, BAR PINS, CUFF PINS, LINGERIE PINS, BROOCHES FOR PERSONAL ADORNMENT, ALL OF WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. TAUNTON PEARL WORKS, INC., Taunton, Mass.
Filed June 23, 1923. Serial No. 182,387. PUBLISHED OCTOBER 16, 1923.

178,792. ROUGE AND FACE POWDER. MARINELLO COMPANY, La Crosse, Wis.
Filed June 25, 1923. Serial No. 182,426. PUBLISHED NOVEMBER 6, 1923.

178,793. A VEGETABLE RELISH OR SANDWICH FILLER COMPOSED OF OIL, FRESH EGGS, VINEGAR, VEGETABLES, SUGAR, AND SPICES. THE SCHLORER DELICATESSEN CO., Philadelphia, Pa.
Filed July 14, 1923. Serial No. 183,234. PUBLISHED OCTOBER 30, 1923.

178,794. PERFUME. A. P. BABCOCK CO., New York, N. Y.
Filed July 16, 1923. Serial No. 183,246. PUBLISHED NOVEMBER 13, 1923.

178,795. CERTAIN NAMED MEDICINAL AND TOILET PREPARATIONS. EBREY CHEMICAL WORKS, New York, N. Y.
Filed May 2, 1923. Serial No. 180,057. PUBLISHED NOVEMBER 6, 1923.

178,796. CANNED SALMON. HODGSON AND COMPANY, LIMITED, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash.
Filed May 1, 1923. Serial No. 180,005. PUBLISHED OCTOBER 30, 1923.

178,797. CAKE. FREIHOFER BAKING COMPANY, Philadelphia, Pa.
Filed April 27, 1923. Serial No. 179,788. PUBLISHED OCTOBER 30, 1923.

178,798. CAKE. FREIHOFER BAKING COMPANY, Philadelphia, Pa.
Filed April 27, 1923. Serial No. 179,787. PUBLISHED OCTOBER 30, 1923.

178,799. CHEESE, FRENCH DRESSING, MAYONNAISE DRESSING, AND THOUSAND ISLAND DRESSING. JOHN A. CAMINATI, doing business as J. A. C. Cheese Manufacturing Co., Chicago, Ill.
Filed April 17, 1923. Serial No. 179,259. PUBLISHED OCTOBER 30, 1923.

178,800. PILE SALVE. FRANK E. HARRISON, Chicago, Ill.
Filed April 9, 1923. Serial No. 178,843. PUBLISHED NOVEMBER 6, 1923.

178,801. ARSPHENAMINE AND NEOARSPHENAMINE. ABBOTT LABORATORIES, Chicago, Ill.
Filed March 23, 1923. Serial No. 177,889. PUBLISHED AUGUST 28, 1923.

178,802. WHEAT FLOUR. FRONTIER ELEVATOR & MILL COMPANY, Buffalo, N. Y.
Filed March 20, 1923. Serial No. 177,730. PUBLISHED AUGUST 21, 1923.

178,803. LATHES. GISHOLT MACHINE COMPANY, Madison, Wis.
Filed March 15, 1923. Serial No. 177,482. PUBLISHED JUNE 12, 1923.

178,804. STOCK AND CHICKEN FEED. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed February 21, 1923. Serial No. 176,408. PUBLISHED OCTOBER 30, 1923.

178,805. CANNED FISH. WESTERN CALIFORNIA FISH CO., San Francisco, Calif.
Filed August 17, 1922. Serial No. 168,394. PUBLISHED NOVEMBER 6, 1923.

178,806. FRESH CANTALOUPES, HONEY DEWS, AND CASABAS. JAMES H. SMITH, Turlock, Calif.
Filed April 21, 1923. Serial No. 179,490. PUBLISHED NOVEMBER 6, 1923.

178,807. OIL FOR MAYONNAISE AND SALADS. MAGGIOROS & ROUSOS, Rochester, N. Y.
Filed May 2, 1923. Serial No. 180,075. PUBLISHED NOVEMBER 6, 1923.

178,808. CANDY. GEORGE FARMAKES, Neenah, Wis.
Filed May 3, 1923. Serial No. 180,113. PUBLISHED NOVEMBER 6, 1923.

178,809. CANNED FRUITS AND VEGETABLES. SIERRA PACIFIC CANNING CO., San Francisco, Calif.
Filed June 12, 1923. Serial No. 181,915. PUBLISHED NOVEMBER 6, 1923.

178,810. CANDY—NAMELY, CHOCOLATES. BUSY BEE CANDY COMPANY, St. Louis, Mo.
Filed June 20, 1923. Serial No. 182,233. PUBLISHED NOVEMBER 6, 1923.

178,811. COCONUT FATS FOR FOOD PURPOSES. SOLOMON LANGNER, New York, N. Y.
Filed June 22, 1923. Serial No. 182,349. PUBLISHED NOVEMBER 6, 1923.

178,812. FRESH FRUITS—NAMELY, APPLES. DAILEY PRODUCE CO. INC., Brockport, N. Y.
Filed July 3, 1923. Serial No. 182,737. PUBLISHED NOVEMBER 6, 1923.

178,813. BOTTLE FILLING AND CAPPING MACHINES AND DAIRY MACHINERY—NAMELY, AERATORS, COOLERS, HEATERS, PASTEURIZERS, VATS—AND PARTS AND FITTINGS FOR BOTTLE FILLING AND CAPPING MACHINES AND DAIRY MACHINERY. THE H. H. MILLER INDUSTRIES COMPANY, Canton, Ohio.
Filed July 9, 1923. Serial No. 182,983. PUBLISHED NOVEMBER 6, 1923.

178,814. CANDY AND CONFECTIONS IN THE FORM OF A CANDY BLOCK, COMPRISING A CENTER OF CREAM FILLING, AN ENVELOPING LAYER OF BAKED CAKE DOUGH AND AN OUTER COATING OF HARD CHOCOLATE. EARL MCKNIGHT, Pittsburgh, Pa.
Filed July 26, 1923. Serial No. 183,714. PUBLISHED NOVEMBER 6, 1923.

178,815. TOMATO PURÉE, APPLE BUTTER, AND CANNED PEACHES, TOMATOES, AND SWEET POTATOES. STETSON AND ELLISON COMPANY, Camden, Del.
Filed August 6, 1923. Serial No. 184,150. PUBLISHED NOVEMBER 6, 1923.

178,816. CANNED FRUIT. F. E. BOOTH CO., San Francisco, Calif.
Filed August 22, 1923. Serial No. 184,811. PUBLISHED NOVEMBER 6, 1923.

178,817. CANDY. GEORGE K. BROWN COMPANY, INC., Chattanooga, Tenn.
Filed August 22, 1923. Serial No. 184,812. PUBLISHED NOVEMBER 6, 1923.

178,818. CHEWING GUM. HARRIE W. WHITE, Cleveland, Ohio.
Filed August 28, 1923. Serial No. 185,100. PUBLISHED NOVEMBER 6, 1923.

178,819. CANNED FISH. F. E. BOOTH CO., San Francisco, Calif.
Filed August 29, 1923. Serial No. 185,103. PUBLISHED NOVEMBER 6, 1923.

178,820. TITLE FOR CARTOONS. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed August 22, 1923. Serial No. 184,871. PUBLISHED NOVEMBER 6, 1923.

178,821. TITLE FOR CARTOONS. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed August 22, 1923. Serial No. 184,870. PUBLISHED NOVEMBER 6, 1923.

178,822. A WEEKLY PUBLICATION. AUSTIN PUBLISHING COMPANY, Chicago, Ill.
Filed August 22, 1923. Serial No. 184,809. PUBLISHED NOVEMBER 6, 1923.

178,823. A HOUSE ORGAN PUBLISHED QUARTERLY. ARTHUR N. SHELDON, Jr., Providence, R. I.
Filed August 21, 1923. Serial No. 184,801. PUBLISHED NOVEMBER 6, 1923.

178,824. MEN'S SUITS AND OVERCOATS. BARRON, ANDERSON CO., Boston, Mass.
Filed August 20, 1923. Serial No. 184,708. PUBLISHER NOVEMBER 6, 1923.

178,825. WHEAT FLOUR. THOMPSON MILLING COMPANY, Lockport, N. Y.
Filed December 16, 1922. Serial No. 173,451. PUBLISHED NOVEMBER 6, 1923.

178,826. GOLF BALLS. CUTHBERT S. BUTCHART COMPANY, INC., Rye, N. Y.
Filed August 19, 1922. Serial No. 168,454. PUBLISHED NOVEMBER 6, 1923.

178,827. POWDER PUFFS. JACQUELINE FRÈRES LIMITED, London, England.
Filed July 3, 1922. Serial No. 166,493. PUBLISHED NOVEMBER 6, 1923.

178,828. CANDY, CAKES, SHELLED NUTS, AND SANDWICHES. THE O. P. BAUR CONF. CO., Denver, Colo.
Filed November 8, 1922. Serial No. 171,723. PUBLISHED OCTOBER 30, 1923.

178,829. CERTAIN NAMED FOODS. SUN-MAID RAISIN GROWERS, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a Co-Operative Association of California.
Filed November 29, 1922. Serial No. 172,694. PUBLISHED NOVEMBER 20, 1923.

178,830. CHEESE. JOHN KIRKPATRICK, Richland Center, Wis.
Filed November 27, 1922. Serial No. 172,600. PUBLISHED NOVEMBER 6, 1923.

178,831. WINDOW GLASS. THE DWELLE-KAISER CO., Buffalo, N. Y.
Filed September 18, 1922. Serial No. 169,628. PUBLISHED NOVEMBER 6, 1923.

178,832. TUBE PATCHES. CURWEN S. YEAGLE, doing business as C. Y. Rubber Company, Baltimore, Md.
Filed May 22, 1922. Serial No. 164,287. PUBLISHED NOVEMBER 6, 1923.

178,833. ZINC OXIDE. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed May 17, 1922. Serial No. 163,976. PUBLISHED NOVEMBER 13, 1923.

178,834. LADIES' AND CHILDREN'S APRONS. WEBER MANUFACTURING CO., Tampa, Fla.
Filed November 22, 1921. Serial No. 155,791. PUBLISHED JUNE 5, 1923.

178,835. HOSIERY. REAL SILK HOSIERY MILLS, Indianapolis, Ind.
Filed January 5, 1922. Serial No. 157,535. PUBLISHED MAY 8, 1923.

178,836. CHILDREN'S ROMPERS AND PLAYSUITS, BLOUSES, AND GIRLS' DRESSES FOR OUTER WEAR. JOSEPH M. THUMAN, Buffalo, N. Y.
Filed July 28, 1921. Serial No. 151,070. PUBLISHED JUNE 6, 1922.

178,837. METAL PIPES AND METAL PIPE FITTINGS. PIONEER ALLOY PRODUCTS COMPANY, Cleveland, Ohio
Filed November 13, 1920. Serial No. 139,628. PUBLISHED NOVEMBER 6, 1923.

178,838. A LIQUID PREPARATION TO OFFSET THE ODORS OF PERSPIRATION. PERFUMERIA FLORALIA, S. A., Madrid, Spain.
Filed March 18, 1921. Serial No. 144,939. PUBLISHED NOVEMBER 6, 1923.

178,839. LADIES' SILK HOSIERY. RICHARD MUNSEY WATKINS, doing business as Watkins Hosiery Mills, Chattanooga, Tenn.
Filed August 22, 1923. Serial No. 184,880. PUBLISHED NOVEMBER 6, 1923.

178,840. WHEAT FLOUR, SELF-RISING PANCAKE FLOUR, WHEAT, ROLLED WHEAT, CORN MEAL, TABLE SEMOLINA, GRAHAM FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed March 28, 1923. Serial No. 178,192. PUBLISHED NOVEMBER 6, 1923.

178,841. FISHING NETS. STUARTS & JACKS, LIMITED, Musselburgh, Scotland.
Filed March 29, 1923. Serial No. 178,302. PUBLISHED NOVEMBER 6, 1923.

178,842. EGGS. THE KERR CHICKERIES INCORPORATED, Frenchtown, N. J.
Filed April 9, 1923. Serial No. 178,851. PUBLISHED OCTOBER 30, 1923.

178,843. OINTMENT OR SALVE. HARRISON F. ATCHLEY, Stockton, Calif.
Filed April 19, 1923. Serial No. 179,347. PUBLISHED NOVEMBER 13, 1923.

178,844. WHOLE-WHEAT BREAD. HILLSDALE BAKING COMPANY, Hillsdale, Mich.
Filed April 23, 1923. Serial No. 179,534. PUBLISHED NOVEMBER 6, 1923.

178,845. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed April 26, 1923. Serial No. 179,758. PUBLISHED NOVEMBER 6, 1923.

178,846. DRIED PEACHES AND FIGS. CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif.
Filed March 22, 1923. Serial No. 177,827. PUBLISHED NOVEMBER 6, 1923.

178,847. CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, CANNED FISH, CANNED PORK AND BEANS, ETC. THE AMOS-JAMES GROCER CO., St. Louis, Mo.
Filed February 17, 1923. Serial No. 176,151. PUBLISHED NOVEMBER 6, 1923.

178,848. LINIMENT. ELIAS E. HELLER, doing business as Heller Drug Company, Baltimore, Md.
Filed February 13, 1923. Serial No. 175,987. PUBLISHED NOVEMBER 13, 1923.

178,849. PERFUMES. JOHN BLOCKI & SON, INC., Chicago, Ill.
Filed January 25, 1923. Serial No. 175,062. PUBLISHED NOVEMBER 13, 1923.

178,850. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 15, 1922. Serial No. 173,379. PUBLISHED NOVEMBER 6, 1923.

178,851. BLACK OR GALVANIZED PLATES OF IRON OR STEEL AND BLACK OR GALVANIZED SHEETS OF IRON OR STEEL. AMERICAN SHEET & TIN PLATE COMPANY, Pittsburgh, Pa.
Filed January 18, 1919. Serial No. 115,040. PUBLISHED FEBRUARY 10, 1920.

178,852. BLACK OR GALVANIZED PLATES OF IRON OR STEEL, AND BLACK OR GALVANIZED SHEETS OF IRON OR STEEL. TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala., assignor to American Sheet & Tin Plate Company, a Corporation of New Jersey.
Filed December 31, 1918. Serial No. 114,932. PUBLISHED MAY 16, 1922.

178,853. BEAUTY CLAYS. WILLIS H. LOWE, doing business as The Kala Company, Cambridge, Mass.
Filed May 3, 1923. Serial No. 180,135. PUBLISHED NOVEMBER 13, 1923.

178,854. WHEAT FLOUR. FREDERICK C. ATKINSON, doing business as Knighthood Flour and Cereal Co., Indianapolis, Ind.
Filed May 11, 1923. Serial No. 180,462. PUBLISHED OCTOBER 30, 1923.

178,855. FOODS—NAMELY, BREAD, CAKES, PIES, WAFFLES, DOUGHNUTS, ROLLS, BUNS, BISCUIT, CRACKERS, COOKIES, TARTS, AND SANDWICHES, ALSO CANNED AND PRESERVED FRUITS AND VEGETABLES. ELMER L. BALLEW, Chicago, Ill.
Filed March 21, 1923. Serial No. 177,761. PUBLISHED NOVEMBER 6, 1923.

178,856. HOSIERY. FINERY HOSIERY CORPORATION, New York, N. Y.
Filed March 14, 1923. Serial No. 177,484. PUBLISHED JULY 24, 1923.

178,857. A MONTHLY PUBLICATION. PHOTOPLAY PUBLISHING COMPANY, Chicago, Ill., and New York, N. Y.
Filed March 13, 1923. Serial No. 177,404. PUBLISHED NOVEMBER 6, 1923.

178,858. TOOTH POWDER, TOOTH PASTE, LIQUID ANTISEPTICS. SANITOL CHEMICAL LABORATORY COMPANY, now by change of name The Sanitol Company, St. Louis, Mo., and New York, N. Y.
Filed May 5, 1923. Serial No. 180,258. PUBLISHED NOVEMBER 6, 1923.

178,859. SHAVING SOAP, SHAVING POWDER, SHAVING-SOAP CREAM, AND TOILET SOAP. SANITOL CHEMICAL LABORATORY COMPANY, now by change of name The Sanitol Company, St. Louis, Mo., and New York, N. Y.
Filed May 5, 1923. Serial No. 180,242. PUBLISHED NOVEMBER 6, 1923.

178,860. SOFAS, DIVANS, DRESSERS, VANITIES, DRESSING TABLES, NIGHT TABLES, WARDROBES, CHIFFERETTES, AND HOUSEHOLD CHAIRS. ATLAS FURNITURE COMPANY, Jamestown, N. Y.
Filed January 25, 1923. Serial No. 175,050. PUBLISHED OCTOBER 9, 1923.

178,861. WHEAT FLOUR AND STOCK FEEDS. CAPITAL CITY MILLING & GRAIN CO., St. Paul, Minn.
Filed February 10, 1923. Serial No. 175,845. PUBLISHED NOVEMBER 6, 1923.

178,862. METAL FLOWER HOLDERS. DAZEY MANUFACTURING COMPANY, Los Angeles, Calif.
Filed February 19, 1923. Serial No. 176,255. PUBLISHED NOVEMBER 6, 1923.

178,863. WHEAT FLOUR. NEBRASKA CONSOLIDATED MILLS COMPANY, Grand Island, Nebr.
Filed May 19, 1923. Serial No. 180,881. PUBLISHED NOVEMBER 6, 1923.

178,864. FRESH MILK AND CREAM. HAGERSTOWN DAIRY COMPANY, Hagerstown, Md.
Filed May 14, 1923. Serial No. 180,598. PUBLISHED NOVEMBER 6, 1923.

178,865. PERIODICAL PUBLICATIONS ISSUED APPROXIMATELY QUARTERLY. CHICAGO AUTOMOBILE TRADE ASSOCIATION, Chicago, Ill.
Filed May 12, 1923. Serial No. 180,523. PUBLISHED OCTOBER 30, 1923.

178,866. WHEAT FLOUR. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed May 11, 1923. Serial No. 180,483. PUBLISHED NOVEMBER 6, 1923.

178,867. CHEESE. GERBER & Co. A. G., Thoune, Switzerland.
Filed June 29, 1923. Serial No. 182,580. PUBLISHED NOVEMBER 6, 1923.

178,868. COMPLEXION CLAY. GLACIER DEPOSIT LABORATORIES, INC., Springfield, Minn.
Filed June 15, 1923. Serial No. 182,050. PUBLISHED NOVEMBER 13, 1923.

178,869. EGGS. MICHAEL PACKMAN, Atlantic City, N. J.
Filed June 14, 1923. Serial No. 182,002. PUBLISHED NOVEMBER 6, 1923.

178,870. COTTON PIECE GOODS. THE CALICO PRINTERS' ASSOCIATION, LIMITED, Manchester, England.
Filed August 24, 1923. Serial No. 184,934. PUBLISHED NOVEMBER 6, 1923.

178,871. GOLF BALLS. THOS. E. WILSON & Co., Chicago, Ill.
Filed July 7, 1923. Serial No. 182,949. PUBLISHED NOVEMBER 6, 1923.

178,872. WOMEN'S WAISTS AND DRESSES. THE BERT STERN COMPANY, Toledo, Ohio.
Filed August 24, 1923. Serial No. 184,931. PUBLISHED NOVEMBER 6, 1923.

178,873. GOLF BALLS. THOS. E. WILSON & Co., Chicago, Ill.
Filed July 7, 1923. Serial No. 182,948. PUBLISHED NOVEMBER 6, 1923.

178,874. SELF-RISING FLOUR. LILLIE MILL COMPANY, Franklin, Tenn.
Filed July 3, 1923. Serial No. 182,757. PUBLISHED NOVEMBER 6, 1923.

178,875. A PRINTED PUBLICATION ISSUED WEEKLY. THE STANDARD CORPORATION, Chicago, Ill.
Filed August 27, 1923. Serial No. 185,057. PUBLISHED NOVEMBER 6, 1923.

178,876. TOWELS, SHEETS, PILLOWCASES, BEDSPREADS, CRASH TOWELING, AND SIMILAR WHITE YARDAGE GOODS. HALE BROS., INC., San Francisco, Calif.
Filed August 27, 1923. Serial No. 185,019. PUBLISHED NOVEMBER 6, 1923.

178,877. APRONS AND FROCKS. A. S. KATZENBERG & BRO., Baltimore, Md.
Filed August 27, 1923. Serial No. 185,022. PUBLISHED NOVEMBER 6, 1923.

178,878. TOYS—NAMELY, MINIATURE SHIPS. PAUL JACKSON BARNARD, doing business as Paul Jackson Barnard Company, Los Angeles, Calif.
Filed August 17, 1923. Serial No. 184,582. PUBLISHED NOVEMBER 6, 1923.

178,879. SHADE CLOTH OF SIZED AND PAINTED FABRIC. INTERSTATE SHADE CLOTH CO., Hoboken, N. J.
Filed August 17, 1923. Serial No. 184,613. PUBLISHED NOVEMBER 6, 1923.

178,880. GASOLINE. PAN AMERICAN PETROLEUM & TRANSPORT COMPANY, Wilmington, Del.
Filed August 17, 1923. Serial No. 184,620. PUBLISHED OCTOBER 23, 1923.

178,881. INSTRUCTION BOOKS AND SIMILAR PUBLICATIONS RELATING TO ART NEEDLEWORK. BERNHARD ULMANN CO., INC., New York, N. Y.
Filed August 18, 1923. Serial No. 184,697. PUBLISHED NOVEMBER 6, 1923.

178,882. TOYS—NAMELY, MINIATURE SHIPS. PAUL JACKSON BARNARD, doing business as Paul Jackson Barnard Company, Los Angeles, Calif.
Filed August 17, 1923. Serial No. 184,581. PUBLISHED NOVEMBER 6, 1923.

178,883. GAMES PLAYED WITH PIECES SOMEWHAT SIMILAR TO DOMINOS. MEI REN COMPANY, INC., Shanghai, China.
Filed August 16, 1923. Serial No. 184,557. PUBLISHED NOVEMBER 6, 1923.

718,884. A MONTHLY MAGAZINE. EL COMERCIO PUBLISHING CORPORATION, New York, N. Y.
Filed August 16, 1923. Serial No. 184,544. PUBLISHED NOVEMBER 6, 1923.

178,885. STOCKINGS. DONEMAR INCORPORATED, New York, N. Y.
Filed August 16, 1923. Serial No. 184,542. PUBLISHED NOVEMBER 6, 1923.

178,886. GOLF CLUBS. URBAN A. KLIN, doing business as Klin Bros. Golf Mfg. Co., Homewood, Ill.
Filed August 15, 1923. Serial No. 184,504. PUBLISHED NOVEMBER 6, 1923.

178,887. FISHING LINES. ST. JOE VALLEY LINE CO., South Bend, Ind.
Filed August 11, 1923. Serial No. 184,368. PUBLISHED NOVEMBER 6, 1923.

178,888. TOY SECTIONAL COLLAPSIBLE BUILDING UNITS. SCOTT MANUFACTURING COMPANY, Chicago, Ill.
Filed August 11, 1923. Serial No. 184,366. PUBLISHED NOVEMBER 6, 1923.

178,889. OUTDOOR GAMES PLAYED WITH MEN SIMILAR TO CHECKERS AND CHESS. R. F. GOODLETT, Tupelo, Miss.
Filed August 11, 1923. Serial No. 184,338. PUBLISHED NOVEMBER 6, 1923.

178,890. TENNIS RACKETS. CHARLES L. GODFREY, Corona, N. Y.
Filed August 9, 1923. Serial No. 184,242. PUBLISHED NOVEMBER 6, 1923.

178,891. A HOUSE ORGAN PUBLISHED PERIODICALLY. THE WABASH CABINET CO., Wabash, Ind.
Filed August 6, 1923. Serial No. 184,154. PUBLISHED NOVEMBER 6, 1923.

178,892. A MONTHLY MAGAZINE DEVOTED TO CIVIC AFFAIRS. THOMAS A. PHILLIPS, Dayton, Ohio.
Filed August 6, 1923. Serial No. 184,149. PUBLISHED NOVEMBER 6, 1923.

178,893. RUBBER BALLOONS, RUBBER DOLLS, AND RUBBER SQUAWKERS. WILLIAM CALDWELL, doing business as Rex Rubber & Novelty Co., New York, N. Y.
Filed August 4, 1923. Serial No. 184,063. PUBLISHED NOVEMBER 6, 1923.

178,894. A PARLOR GAME COMPOSED OF A DISK AND A ROTATING POINTER OR INDICATOR. HARRY S. BIRD, Newark, N. J.
Filed July 26, 1923. Serial No. 183,688. PUBLISHED NOVEMBER 6, 1923.

178,895. A NOISE-MAKING TOY—NAMELY, A BUZZER. JOAQUIN GARCIA, doing business as Bumble Bee Specialty Co., New York, N. Y.
Filed July 23, 1923. Serial No. 183,566. PUBLISHED NOVEMBER 6, 1923.

178,896. BEADS FOR DECORATION AND ORNAMENTATION AS DISTINGUISHED FROM JEWELRY. GUTHMAN, SOLOMONS & CO., INC., New York, N. Y.
Filed July 18, 1923. Serial No. 183,379. PUBLISHED OCTOBER 30, 1923.

178,897. PUBLICATIONS ISSUED WEEKLY. THE BANKERS SUPPLY CO., Denver, Colo., and Chicago, Ill.
Filed July 26, 1923. Serial No. 183,687. PUBLISHED NOVEMBER 6, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

178,898. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,807.

EUREKA

Particular description of goods.—Fishing Reels.
Claims use since Apr. 10, 1916.

178,899. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,805.

ECLIPSE

Particular description of goods.—Fishing Reels.
Claims use since Apr. 3, 1916.

178,900. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,797.

CAPITOL

Particular description of goods.—Fishing Reels.
Claims use since Aug. 5, 1916.

178,901. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. FRANS ABENDROTH MEDICAL COMPANY, Indianapolis, Ind. Filed Nov. 23, 1923. Serial No. 188,781.



Abendroth's

Particular description of goods.—Pastils for Treatment of Congestion from Prolapsus of Womb, Ulceration, Inflammation, and Leucorrhea and Painful Menstruations.
Claims use since June, 1898.

178,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOS. STRONG & Co., Terre Haute, Ind. Filed Nov. 17, 1923. Serial No. 188,504.

POPOVER

Particular description of goods.—Pancake flour.
Claims use since September, 1908.

178,903. (CLASS 6. CHEMICALS. MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYNTHETIC PRODUCTS COMPANY, Cleveland, Ohio. Filed Nov. 16, 1923. Serial No. 188,450.

LIQUID RUBBER

Particular description of goods.—Rubber Compounding Mixture, a Fluid for Softening, Incorporating in, and Treating Rubber.
Claims use since September, 1917.

178,904. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAR-DE MFG. CO., Philadelphia, Pa. Filed Nov. 16, 1923. Serial No. 188,416.

PHENOLATED

Particular description of goods.—Laxative Cold Capsules.
Claims use since Aug. 15, 1922.

178,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK F. SPETZ, doing business as Ever-Charge Battery Mfg. Co., New York, N. Y. Filed Aug. 29, 1923. Serial No. 185,151.

EVER-CHARGE

Particular description of goods.—Storage-Battery Electrolyte.
Claims use since July 1, 1922.

178,906. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as the Peters Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923. Serial No. 184,455.

Good Value

Particular description of goods.—Men's Leather Shoes.
Claims use since 1910.

178,907. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Aug. 30, 1923. Serial No. 185,185.

VAN HEUSEN

Particular description of goods.—Dress Shirts, Negligee Shirts, and Work Shirts, and Parts Thereof—to wit, Neckbands, Cuffs, and Shirt Fronts.
Claims use since April, 1921.

178,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAGNESIA-LAX COMPANY, Newark, N. J. Filed Aug. 13, 1923. Serial No. 184,411.

MAGNESIA-LAX

Particular description of goods.—A Remedy in Tablet Form for the Relief of Constipation and Other Disorders of the Stomach, Liver, and Bowels.
Claims use since Feb. 15, 1918.

178,909. (CLASS 2. RECEPTACLES.) THE UNITED CAPE COD CRANBERRY CO., South Hanson, Mass. Filed July 27, 1923. Serial No. 183,781.

FUL-KORNER

Particular description of goods.—Packing Boxes.
Claims use since Nov. 10, 1922.

178,910. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business under the name of Roberts, Johnson & Rand Company, St. Louis, Mo. Filed July 16, 1923. Serial No. 183,301.

SOFT AND GOOD

Particular description of goods.—Men's, Women's, and Children's Shoes of Leather.
Claims use since 1909.

178,911. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business under the name of Roberts, Johnson & Rand Company, St. Louis, Mo. Filed July 16, 1923. Serial No. 183,294.

GREATEST

Particular description of goods.—Women's Shoes of Leather.
Claims use since 1899.

178,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUFFIN MAKIN'S CO. INC., New York, N. Y. Filed June 30, 1923. Serial No. 182,666.

muffin makin's

Particular description of goods.—Prepared Bran Muffin Flour, Whole-Wheat Muffin Flour, and Nut and Raisin Muffin Flour.
Claims use since 1920.

178,913. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed June 15, 1923. Serial No. 182,036.

BERKSHIRE

Particular description of goods.—Printing and Book Paper.
Claims use since Apr. 30, 1907.

178,914. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 8, 1923. Serial No. 181,665.

BALMORAL

Particular description of goods.—Suit Coats and Overcoats.
Claims use since Jan. 1, 1914.

178,915. (CLASS 43. THREAD AND YARN.) THE H. K. H. SILK CO., Watertown, Conn. Filed Dec. 21, 1922. Serial No. 173,644.

IMPORTERS AND TRADERS

Particular description of goods.—Pure and Artificial Silk Threads.
Claims use since Jan. 1, 1890.

178,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY CO-OPERATIVE CITRUS ASSOCIATION, Lindsay, Calif. Filed Feb. 6, 1923. Serial No. 175,608.

my-t-fine

Particular description of goods.—Fresh Citrous Fruits and Fresh Grapes.
Claims use since Nov. 28, 1922.

178,917. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DOWNTOWN SURGERY, INC., Minneapolis, Minn. Filed Feb. 13, 1923. Serial No. 175,982.

READYROLL

Particular description of goods.—Gauze.
Claims use since about Dec. 1, 1922.

178,918. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DOWNTOWN SURGERY, INC., Minneapolis Minn. Filed Feb. 13, 1923. Serial No. 175,983.

READYUSE

Particular description of goods.—Gauze.
Claims use since about Dec. 1, 1922.

178,919. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE SILLERS, doing business as Sillers Varnish Co., Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 179,561.

KOVERWELL

Particular description of goods.—House Paints, Flat White, and House Stains.
Claims use since Sept. 1, 1920.

178,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO SULPHUR CO., San Francisco, Calif. Filed Mar. 22, 1923. Serial No. 177,871.



Particular description of goods.—Sulphur.
Claims use since about 1903.

178,921. (CLASS 43. THREAD AND YARN.) AMHERST KNITTING MILLS INC., New York, N. Y. Filed Mar. 22, 1923. Serial No. 177,813.

"DORSAY"

Particular description of goods.—Silk Yarn, Mohair Yarn, Camel-Hair Yarn, Yarn Composed of Silk and Mohair, and Yarn Composed of Combinations of Foregoing.
Claims use since Dec. 1, 1922.

178,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANITA M. BALDWIN, doing business as the Anoakia Breeding Farm, Santa Anita, Calif. Filed Mar. 15, 1923. Serial No. 177,468.

ANOAKIA BREEDING FARM

Particular description of goods.—Cattle, Swine, and Butter.
Claims use since 1915.

178,923. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUY SWARTZ, Upland, Ind. Filed Mar. 3, 1923. Serial No. 176,925.

TRADE MARK



Particular description of goods.—Peanut Marmalade.
Claims use since July 1, 1922.

178,924. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 176,126.

Heller's
REG U S PAT OFF

Particular description of goods.—Chemical Preparations for Washing and Cleaning Purposes, Meat-Curing Preparations, Food Colors, Baking Powder, Chemical Preparation for Cleaning Waste Pipes, Chemical Preparation for Cleaning Toilet Bowls or Privies, Chemical Preparations for Cleaning Windows and Glass and Skylights, Chemical Preparation for Cleaning Market and Butchers' Utensils and Tools, Chemical Preparation for Cleaning Hair and Bristles on Hogs, Chemical Preparation for Cleaning Enamel and Porcelain Ware, Chemical Preparation for Tanning Animal Skins, and Disinfectants.
Claims use since 1894.

178,925. (CLASS 39. CLOTHING.) THE H & W COMPANY, Newark, N. J. Filed Aug. 2, 1923. Serial No. 183,970.

Sta-down

Particular description of goods.—Brassières.
Claims use since Nov. 7, 1922.

178,926. (CLASS 33. GLASSWARE.) GILLINDER BROTHERS, Port Jervis, N. Y. Filed Oct. 3, 1923. Serial No. 186,501.

Pearltone

Particular description of goods.—Illuminating Glassware Globes.
Claims use since Feb. 1, 1922.

178,927. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUMEN BEARING COMPANY, Buffalo, N. Y. Filed Oct. 13, 1923. Serial No. 186,958.

STANNUM

Particular description of goods.—Bearing Metal.
Claims use since about 1910.

178,928. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE VERD MONT MILLS COMPANY, Ludlow, Vt. Filed Oct. 17, 1923. Serial No. 187,142.

Howard

Particular description of goods.—Shirting-Flannel Piece Goods.
Claims use since 1911.

178,929. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 1, 1923. Serial No. 187,818.

MARYLAND

Particular description of goods.—Children's Shoes of Leather.
Claims use since 1908.

178,930. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES B. JARMIN, Spokane, Wash. Filed Nov. 5, 1923. Serial No. 188,012.

ROAD FIXER

Particular description of goods.—Road Graders.
Claims use since Mar. 10, 1918.

178,931. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES B. JARMIN, Spokane, Wash. Filed Nov. 5, 1923. Serial No. 188,013.

JARMIN ROAD FIXER

Particular description of goods.—Road Graders.
Claims use since Mar. 10, 1918.

178,932. (CLASS 39. CLOTHING.) FERNAND GASTINEAU, Paris, France. Filed Nov. 28, 1923. Serial No. 188,997.

GASTINEAU

Particular description of goods.—Hosiery of Silk and Other Fabrics.
Claims use since Mar. 1, 1907.

178,933. (CLASS 39. CLOTHING.) LUBIE MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 11, 1921. Serial No. 144,626.

DIXIE BOY
DURABLE BUILT

Particular description of goods.—Boys' Overalls.
Claims use since Jan. 25, 1921.

178,934. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GEORGE W. SCOTT, doing business as the George W. Scott Co., Cleveland, Ohio. Filed Sept. 5, 1922. Serial No. 169,088.

Notare

Particular description of goods.—Thimbles for Curtain Rods for the Side Curtains of Automobiles.
Claims use since on or about Aug. 19, 1920.

178,935. (CLASS 39. CLOTHING.) WOLFE & LANG, INC., New York, N. Y. Filed Oct. 9, 1922. Serial No. 170,516.

Vogue

Particular description of goods.—Men's, Children's, and Ladies' Garters.
Claims use since Aug. 1, 1922.

178,936. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLACKMER ROTARY PUMP CO., Petosky, Mich. Filed Oct. 18, 1922. Serial No. 170,860.

BLACKMER

Particular description of goods.—Rotary Pumps and Parts Thereof.
Claims use since June 1, 1921.

178,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. MONGE, Seville, Spain. Filed Oct. 20, 1922. Serial No. 170,983.

"ANDALUCIA"
REGISTERED TRADE MARK
RAFAEL MONGE
SEVILLA (ESPAÑA)

Particular description of goods.—Dried Fruits.
Claims use since May 13, 1922.

178,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. MONGE, Seville, Spain. Filed Oct. 20, 1922. Serial No. 170,984.

"CORINTO"
REGISTERED TRADE MARK
RAFAEL MONGE
SEVILLA (ESPAÑA)

Particular description of goods.—Dried Fruits.
Claims use since May 13, 1922.

178,939. (CLASS 39. CLOTHING.) STROUSE, ADLER & Co., New Haven, Conn. Filed Oct. 24, 1922. Serial No. 171,142.

CLASPON

Particular description of goods.—Corsets.
Claims use since Oct. 19, 1922.

178,940. (CLASS 39. CLOTHING.) OLD DOMINION GARMENT CO., INC., Lynchburg, Va. Filed Nov. 10, 1922. Serial No. 171,814.

SILVER MEDAL

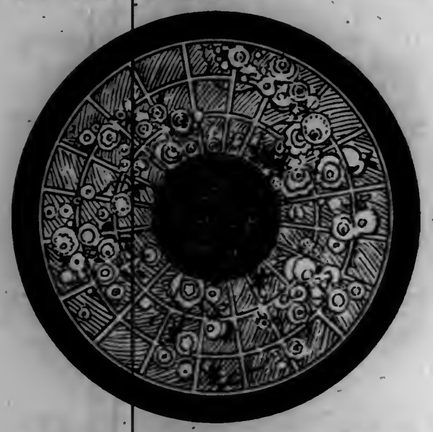
Particular description of goods.—Overalls, Work Shirts, and Work Pants.
Claims use since Nov. 6, 1922.

178,941. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Jan. 3, 1923. Serial No. 174,121.

LENOX

Particular description of goods.—Ginghams in the Piece.
Claims use since Nov. 17, 1922.

178,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF D. LINDEMANN & SON, New York, N. Y. Filed June 13, 1923. Serial No. 181,953.



Particular description of goods.—Sachet, Face Powder, Lip Stick, and Rouge.
Claims use since Jan. 18, 1921.

178,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALVIN BROWN, Onawa, Iowa. Filed Aug. 31, 1923. Serial No. 185,200.

BROWN'S



(TRADE MARK)
HOG REMEDY
DEATH TO WORMS

Particular description of goods.—Worm Remedy for Swine.
Claims use since Jan. 1, 1907.

178,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH HENRY KARP, New York, N. Y. Filed Aug. 31, 1923. Serial No. 185,222.

100%

Particular description of goods.—Liquid Bleach, Paste Bleach, Powdered Bleach, Hair Bleach, Face Bleach, Face Lotion, Skin Lotion, Mouth Bleach, Hair Dye; Peroxide of Hydrogen, Commercial; Peroxide of Hydrogen, U. S. P.; Powdered Liquid Hair Whitener, White Henna, Henna Powder, Powdered White Henna, Chloride of Lime; Powdered Carbonate of Magnesia, U. S. P.; Carbonate of Magnesia, Technical; Sodium Carbonate, Javelle Water, Cold Cream, Vanishing Cream, Lemon Cream, Massage Cream, Tooth Paste, Face Powder, Talcum Powder, Perfume, Toilet Water, Sachet Powder, Hair Tonic, Astringent, Brilliantine, Nail Bleach, Nail Cake Polish, Nail Stone Polish, Nail Paste.
Claims use since May 1, 1919.

178,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. BUSSE, Chicago, Ill. Filed Sept. 10, 1923. Serial No. 185,558.

DR BARBER'S
OINTMENT

Particular description of goods.—Salve or Ointment Used in the Treatment of Eczema, Acne, Itch, Barbers' Itch, Ringworm, Chilblains, Poison Ivy, Burns, Sunburns, Cuts, Sores, and Old Sores of Long Standing.
Claims use since Mar. 14, 1922.

178,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif. Filed Sept. 10, 1923. Serial No. 185,559.

FIG MEAT

Particular description of goods.—A Dried Fruit Product Packed in Cartons, Also in Large Cakes Similar to Cheese, and in Cans, Glass Jars, or Other Forms of Containers.
Claims use since December, 1921.

178,947. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 3, 1923. Serial No. 186,508.

Hunt's Supreme Quality

Particular description of goods.—Canned Fruits, Fish, and Vegetables; Dried Fruits.
Claims use since 1908.

178,948. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Oct. 4, 1923. Serial No. 186,574.

STAPLE

Particular description of goods.—Tents; Waterproof Covers for Protection of Merchandise, Such as Wagons, Trucks, and Hay Covers; and Paulins.
Claims use since March, 1907.

178,949. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MIDWEST VARNISH COMPANY, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 186,601.

AMBER JAPAN

Particular description of goods.—Size and Japans.
Claims use since July 1, 1920.

178,950. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JACOB STEIN, doing business as Climax Rubber Co., New York, N. Y. Filed Oct. 18, 1923. Serial No. 187,178.

CHAMPION

Particular description of goods.—Druggists' Sundries—viz, Baby Pants, Rubber Sheets for Cots, Dress Shields and Sanitary Belts, Sanitary Aprons, and Waterproof Aprons for Surgical and Home Use.
Claims use since November, 1921.

178,951. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 19, 1923. Serial No. 187,199.

CHELSEA

Particular description of goods.—Negligee and Dress Shirts.
Claims use since February, 1922.

178,952. (CLASS 31. FILTERS AND REFRIGERATORS.) ARLINGTON REFRIGERATOR CO., INC., Arlington, Vt. Filed Oct. 25, 1923. Serial No. 187,449.

ARLINGTON REFRIGERATOR

Particular description of goods.—Refrigerators.
Claims use since 1908.

178,953. (CLASS 39. CLOTHING.) ISADOR HERMAN, New York, N. Y. Filed Oct. 26, 1923. Serial No. 187,518.



Particular description of goods.—Women's Lisle-Topped Stockings Made of Silk.
Claims use for not less than one year.

178,954. (CLASS 17. TOBACCO PRODUCTS.) JOHN A. MCADOO, Charlotte, N. C. Filed Oct. 26, 1923. Serial No. 187,528.

Ford

Particular description of goods.—Cigars, Cheroots, Stogies, and Little Cigars.
Claims use since 1898.

178,955. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Filed Oct. 30, 1923. Serial No. 187,660.

Wade Davis

Particular description of goods.—Dolls.
Claims use since July 31, 1908.

178,956. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Oct. 30, 1923. Serial No. 187,670.

Filene's

Particular description of goods.—Beads, Thimbles, Napkin Rings, Combs, Shoe Horns, Tatting Shuttles, and Hair Ornaments Made of Materials Other Than Precious Metals and Neither Plated nor Ornamented Therewith; Emeries; Ruffings and Ruchings of Textile Materials; Bandeaux for Use in Dressing the Hair.
Claims use since Oct. 1, 1912.

178,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. H. LEE CO., Omaha, Nebr. Filed Oct. 30, 1923. Serial No. 187,682.

LEE'S

Particular description of goods.—Dip for Cattle, Sheep, and Hogs; Antiseptics and Disinfectants, Condition Powder for Stock and Poultry; Insecticides for Poultry, Live Stock, and for Use in Vegetable and Flower Gardens.
Claims use since July, 1895.

178,958. (CLASS 39. CLOTHING.) MONROE SHIRT COMPANY, New York, N. Y. Filed Nov. 3, 1923. Serial No. 187,951.

Monroe

Particular description of goods.—Dress, Negligee, and Work Shirts for Men.
Claims use since Dec. 15, 1917.

178,959. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RICHARD VOIT, Philadelphia, Pa. Filed Nov. 6, 1923. Serial No. 188,076.

GRECIAN

Particular description of goods.—Bedspreads, Pillow Shams, and Throws.
Claims use since 1913.

178,960. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES WAKELAND, doing business as Easy Auto Gloss Manufacturing Co., Los Angeles, Calif. Filed Nov. 12, 1923. Serial No. 188,258.

Easy Auto Gloss

Particular description of goods.—Cleaning, Polishing, and Waxing Compound for the Finished Surfaces of Automobiles and Furniture.
Claims use since Mar. 1, 1918.

178,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SYDNEY ROSS CO., Newark, N. J. Filed Nov. 14, 1923. Serial No. 188,341.

PASTILLAS DE ADALIS
C. B. Ridley's

Particular description of goods.—Preparations for Use in the Treatment of Colds, Grippe, and Influenza.
Claims use since about April, 1921.

178,962. (CLASS 39. CLOTHING.) ZIELMAN-WARREN CO., INC., New York, N. Y. Filed Nov. 13, 1923. Serial No. 188,289.

Warren Blouse

Particular description of goods.—Blouses.
Claims use since Feb. 1, 1920.

178,963. (CLASS 39. CLOTHING.) WM. CLOW & SON, INC., Laconia, N. H. Filed Sept. 7, 1923. Serial No. 185,450.

Watch-The-Wear

Particular description of goods.—Hosiery, Sweaters, and Sweater Coats, Undershirts, Drawers, and Union Suits, Made of Knitted and Textile Fabrics, for Men and Women.
Claims use since January, 1922.

178,964. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SPERRY GYROSCOPE COMPANY, Brooklyn, N. Y. Filed July 22, 1921. Serial No. 150,829.

GYRO

Particular description of goods.—Navigational Apparatus—Namely, Navigating Compasses.
Claims use since Jan. 1, 1912.

178,965. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES FIELD COMPANY, Rochester, N. Y. Filed Aug. 20, 1921. Serial No. 151,984.

AUTOKAMP

Particular description of goods.—Camping Tents.
Claims use since Apr. 1, 1921.

178,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES R. BOWMAN, doing business as Fairfield Farms Dairy, Baltimore, Md. Filed Sept. 1, 1921. Serial No. 152,457.

FAIRFIELD FARMS DAIRY

Particular description of goods.—Milk, Cream, Butter, Buttermilk Curd, Cheese, and Ice Cream.
Claims use since Sept. 4, 1911.

178,967. (CLASS 39. CLOTHING.) REAL SILK HOSIERY MILLS, Indianapolis, Ind. Filed Mar. 17, 1922. Serial No. 160,835.

REAL SILK HOSIERY

"THE SHAPED FOOT WITHOUT THE IRRITATING SEAM"

Particular description of goods.—Hosiery.
Claims use since Feb. 23, 1922.

178,968. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. BLOCK COMPANY, Atlanta, Ga. Filed Apr. 15, 1922. Serial No. 162,331.

CREMONA

Particular description of goods.—Cakes and Crackers.
Claims use since Jan. 10, 1898.

178,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARINELLO COMPANY, La Crosse, Wis. Filed May 1, 1922. Serial No. 163,164.

Marinello Aromatique

Particular description of goods.—A Preparation to be Used in Connection with Shampooing Hair.
Claims use since Jan. 2, 1922.

178,970. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE NATIONAL FOOD CORPORATION, Pittsburgh, Pa. Filed May 4, 1922. Serial No. 163,348.

HEIDELBERG

Particular description of goods.—Malt Sirup.
Claims use since October, 1921.

178,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. BLOCK COMPANY, Atlanta, Ga. Filed May 9, 1922. Serial No. 163,570.

BLOCKS

Particular description of goods.—Candies.
Claims use since Sept. 15, 1919.

178,972. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MORRIS SINGER, New York, N. Y. Filed Sept. 2, 1922. Serial No. 169,035.

THIN-LITE LENSES

Particular description of goods.—Ophthalmic Lenses and Blanks.
Claims use since July 1, 1921.

178,973. (CLASS 39. CLOTHING.) I. RAVICH & SONS, INC., New York, N. Y. Filed Sept. 11, 1922. Serial No. 169,324.

FAULTLESS

Particular description of goods.—Suspenders.
Claims use since about Sept. 1, 1921.

178,974. (CLASS 39. CLOTHING.) I. MITTELMAN & CO., New York, N. Y. Filed Sept. 13, 1922. Serial No. 169,408.

A. Mary Kann

Particular description of goods.—Ladies', Misses', and Children's Dresses.
Claims use since Aug. 10, 1922.

178,975. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILSON-IMPERIAL COMPANY, Newark, N. J. Filed Oct. 17, 1922. Serial No. 170,849.

STAYS WET

Particular description of goods.—Paint and Varnish Remover.
Claims use since January, 1909.

178,976. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JOHN H. CARTER, Cohoes, N. Y. Filed Nov. 13, 1922. Serial No. 171,900.

THE CARTER DOUBLE FUNCTION TOOTH & GUM BRUSH

Particular description of goods.—Toothbrushes.
Claims use since Nov. 1, 1922.

178,977. (CLASS 37. PAPER AND STATIONERY.) DAVID H. ZELL, INC., New York, N. Y. Filed Oct. 27, 1922. Serial No. 171,299.

RE - FILLIT

Particular description of goods.—Memorandum-Book and Check-Book Covers.
Claims use since July, 1922.

178,978. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SPERRY GYROSCOPE COMPANY, Brooklyn, N. Y. Filed Oct. 19, 1922. Serial No. 170,958.

GYRO

Particular description of goods.—Navigational Apparatus—Namely, Ship Stabilizers.
Claims use since June 27, 1916.

178,979. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HANLON & GOODMAN COMPANY, New York, N. Y. Filed Nov. 15, 1922. Serial No. 172,040.

AUTO FINISH

Particular description of goods.—Paint, Varnish, and Calcimine Brushes.
Claims use since Oct. 20, 1922.

178,980. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Dec. 21, 1922. Serial No. 173,617.

MARK OF QUALITY-STANDARDS

Particular description of goods.—Writing and Printing Paper.
Claims use since Dec. 2, 1922.

178,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR O. KLAUSER, doing business as The Von Kapff Inhaler Co., Toledo, Ohio. Filed Dec. 8, 1922. Serial No. 173,090.

Von Kapff

Particular description of goods.—Medicines for Respiratory Passages.
Claims use since January, 1915.

178,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Dec. 2, 1922. Serial No. 172,848.

"Boiler Brand"

Particular description of goods.—Silicate of Soda.
Claims use since Nov. 10, 1922.

178,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) QUICK METHOD PRODUCTS CO., Los Angeles, Calif. Filed Dec. 1, 1922. Serial No. 172,805.



Particular description of goods.—Paste Composition for Grinding Metal Bearings.
Claims use since Nov. 4, 1922.

TRADE-MARK REGISTRATIONS RENEWED.

24,295. SHAVING SOAP. Registered March 6, 1894. THE J. B. WILLIAMS COMPANY, Glastonbury, Ct. Renewed March 6, 1924.

24,325. REFRIGERATORS. Registered March 6, 1894. D. EDDY & SONS. Renewed March 6, 1924, to D. Eddy and Sons Company, Boston, Mass., assignee.

LABELS

REGISTERED JANUARY 29, 1924.

26,812.—*Title:* ADIRONDACK. For Toilet Paper. ADIRONDACK TISSUE PAPER CO., Utica, N. Y. Published October 8, 1923.

26,813.—*Title:* FORM-O-YOUTH REDUCING FOAM. For a Cream Used to Reduce Obesity. A. A. ASH, doing business as Form-O-Youth Laboratories, Incorporated, Los Angeles, Calif. Published October 15, 1923.

26,814.—*Title:* CHEMI-SET. For Undergarments. BENJAMIN & WEIL, INC., New York, N. Y. Published April 1, 1923.

26,815.—*Title:* BLUE BILL. For Flour. ISRAEL L. BRENNER, Richmond, Va. Published July 6, 1923.

26,816.—*Title:* OLDE HOMESTEADE. For Fruit Sirups. CALIFORNIA LABORATORIES, INC., Los Angeles, Calif. Published July 24, 1923.

26,817.—*Title:* RICE'S PAN-DANDY BREAD. For Bread. THE CITY BAKING COMPANY, Baltimore, Md. Published August 27, 1923.

26,818.—*Title:* SHAPEHOLDER MATTRESS. For Mattresses. ORLANDO CLARK, Minneapolis, Minn. Published December 22, 1923.

26,819.—*Title:* COLUMBIA TEST RECORD. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,820.—*Title:* LA CROWNELLA. For Cigars. CROWNEL CIGAR COMPANY, New York, N. Y. Published November 16, 1923.

26,821.—*Title:* DR. FENTON'S LOUSE POWDER. For Louse Powder. DR. FENTON'S MIN-ER-O TONE CO., Cedar Rapids, Iowa. Published November 13, 1923.

26,822.—*Title:* DR. FENTON'S GERM REMOVER. For a Germ Remover. DR. FENTON'S MIN-ER-O TONE CO., Cedar Rapids, Iowa. Published November 13, 1923.

26,823.—*Title:* GOOD MORNING. For Butter. GENERAL BUTTER CORPORATION, New York, N. Y. Published May 5, 1923.

26,824.—*Title:* GOODYEAR'S GOLD MEDAL SELF VULCANIZING TUBE REPAIR KIT TEST-THE-TENSILE. For a Vulcanizing Tube Repair Kit. GOODYEAR RUBBER COMPANY, Wilkes-Barre, Pa. Published June 15, 1923.

26,825.—*Title:* BROWN BEAUTY. For Cakes, Fried Cakes, and Cookies. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Published September 6, 1923.

26,826.—*Title:* FLUFFI RICH. For Cakes, Fried Cakes, and Bread. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Published September 6, 1923.

26,827.—*Title:* BUTTER PUFF. For Cakes, Fried Cakes, and Cookies. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Published September 6, 1923.

26,828.—*Title:* WHITE MOUNTAIN. For Cakes, Fried Cakes, and Cookies. GRENNAN CAKE CORPORATION, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Published September 6, 1923.

26,829.—*Title:* HALEY'S HAND SOAP. For Soap. LEROY M. HALEY, doing business as Haley Supply Company, Pittsfield, Mass. Published September 29, 1923.

26,830.—*Title:* HEGER'S GOITRE TREATMENT. For Medicinal Preparation for Treating Goitres of Dogs. THE HEGER PRODUCTS CO., St. Paul, Minn. Published November 20, 1923.

26,831.—*Title:* KAASES. For Cakes, Pastries, Baked Goods. THE RICHARD W. KAASE COMPANY, Cleveland, Ohio. Published November 24, 1923.

26,832.—*Title:* KELP-O-DINE. For a Tonic and Corrective. THE KELP-O-DINE COMPANY, Indianapolis, Ind. Published July 11, 1923.

26,833.—*Title:* LIGHTNING. For a Polish for Automobiles and Furniture. LIGHTNING MANUFACTURING CO., Troy, N. Y. Published May 1, 1922.

26,834.—*Title:* GUDSKYN. For Medicated Compound for Diseases of the Skin. MARTIN MINERALS PRODUCTS CO., INC., Newark, N. J. Published December 10, 1923.

26,835.—*Title:* TUBEROSE. For Canned Peaches. MEBIUS & DRESCHER CO., Sacramento, Calif. Published July 16, 1923.

26,836.—*Title:* MITY-NICE BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published November 16, 1923.

26,837.—*Title:* AMERICAN BEAUTY BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published November 16, 1923.

26,838.—*Title:* MIFFLIN ALKOHOL MASSAGE. For Alcohol Preparation for Massaging and External Use. MIFFLIN CHEMICAL CORPORATION, Philadelphia, Pa. Published November 14, 1923.

26,839.—*Title:* BEVERLY. For Canned Corn. JOHN MORRELL & Co., Ottumwa, Iowa. Published June 27, 1923.

26,840.—*Title:* BEVERLY. For Canned Peas. JOHN MORRELL & Co., Ottumwa, Iowa. Published June 27, 1923.

26,841.—*Title:* BEVERLY. For Canned Tomatoes. JOHN MORRELL & Co., Ottumwa, Iowa. Published June 27, 1923.

26,842.—*Title:* AVANTI. For Tomato Paste. A. MUSSATTI, doing business as Tama Trading Company, Los Angeles, Calif. Published November 19, 1923.

26,843.—*Title:* REGINA. For Pound Cake. NATIONAL BISCUIT COMPANY, Jersey City, N. J. and New York, N. Y. Published October 15, 1923.

26,844.—*Title:* MARVELO STOVE POLISH. For Polishing Materials. JULIUS NERKITZ, doing business as Marvelo Chemical Company, Los Angeles, Calif. Published October 20, 1923.

26,845.—*Title:* FACE POWDER. For Face Powders. PERCY E. PAGE, New York, N. Y. Published December 17, 1923.

26,846.—*Title:* PERFECTION MAYONNAISE. For Mayonnaise. THE POGM CO. INC., Malden, Mass. Published August 24, 1923.

26,847.—*Title:* FILKWIK. For Radiator Lock Caps for Automobiles. STANDARD ACCESSORIES CORP., New York, N. Y. Published November 1, 1923.

26,848.—*Title:* TAYLOR'S OIL OF LIFE FOR MAN OR BEAST. For a Liniment Externally and Internally for Human Beings and for Horses and Cattle. LOIS I. TAYLOR, Fairport, N. Y. Published October 1, 1923.

26,849.—*Title:* THE LEATHER THAT QUALIFIES. For Leather. ALBERT O. TROSTEL, Milwaukee, Wis. Published September 8, 1923.

26,850.—*Title:* CINDERELLA'S PALACE. For Felt Slippers. WILEY-BICKFORD-SWEET CO., Worcester, Mass. and Hartford, Conn. Published November 1, 1923.

26,851.—*Title:* THE OLD WOMAN WHO LIVED IN A SHOE. For Felt Slippers. WILEY-BICKFORD-SWEET CO., Worcester, Mass., and Hartford, Conn. Published November 1, 1923.

26,852.—*Title:* WITHERSPOON'S PREPARATION. For a Preparation for the Teeth and Gums. THOMAS S. WITHERSPOON, Denver, Colo. Published November 17, 1923.

PRINTS

REGISTERED JANUARY 29, 1924.

7,132.—*Title:* CANADA DRY IT'S FRIENDLY TO THE STOMACH. For Ginger Ale. CANADA DRY GINGER ALE, INC., New York, N. Y. Published October 29, 1923.

7,133.—*Title:* CHASE—THE NEW CHASE FITS A CRAVAT (ETC.) For Collars. CLUETT, PEABODY & CO. INC., Troy, N. Y. Published November 5, 1923.

7,134.—*Title:* HIS ONE GREAT MORNING NEED—AND YOURS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published December 10, 1923.

7,135.—*Title:* WELL FORTIFIED. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published December 14, 1923.

7,136.—*Title:* 3 PAINT PRESCRIPTIONS FOR ROT DECAY AND RUST. For Paint. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Published August 9, 1923.

7,137.—*Title:* GOODYEAR'S GOLD MEDAL SELF VULCANIZING PATCH. For a Vulcanizing Tube-Repair Kit. GOODYEAR RUBBER COMPANY, Wilkes-Barre, Pa. Published July 1, 1923.

7,138.—*Title:* WHAT YOUR DOG NEEDS. For Dog Foods and Dog Remedies. THE HEGER PRODUCTS CO., St. Paul, Minn. Published November 20, 1923.

7,139.—*Title:* J. HENRY KARP MANUFACTURING CHEMIST. For Hair Preparations. JOSEPH HENRY KARP, New York, N. Y. Published January 3, 1923.

7,140.—*Title:* THE DUPLEX RUG AND EMBROIDERY MACHINE. For a Rug and Embroidery Machine. WILLIAM BERT MADDER, Indianapolis, Ind. Published December 10, 1923.

7,141.—*Title:* HOW MANY WOMEN DO YOU KNOW WHO HAVE TOO MANY SILK STOCKINGS? For Hosiery. "ONYX" HOSIERY INC., New York, N. Y. Published December 1, 1923.

7,142.—*Title:* SHADE VALLEY CANDY CO. For Candies. DANIEL OTT, Windber, Pa. Published November 5, 1923.

7,143.—*Title:* LOT 84, OFFICE COAT. For White Duck Clothing. THE JAMES E. RICHARDS COMPANY, Dayton, Ohio. Published October 11, 1923.

7,144.—*Title:* TUNG FOON. For Counters for the Game of Mah Jongg and the Like. TUNG FOON CO., San Francisco, Calif. Published October 20, 1923.

7,145.—*Title:* QUEEN OF THE KITCHEN. For a Combined Chopping and Crushing Utensil. M. H. TYLER MANUFACTURING CO., Muncie, Ind. Published May 5, 1921.

7,146.—*Title:* BAND AND ORCHESTRA INSTRUMENTS. For Musical Instruments and Supplies. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

7,147.—*Title:* GIFTS THAT LAST. For Jewelry, Watches, and Clocks. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

7,148.—*Title:* YOU WILL KEEP AN EVEN TEMPERATURE. For Flour. JAMES E. WARD, Springfield, Ohio. Published September 1, 1921.

7,149.—*Title:* MECHANICALLY BETTER! For Automobiles. CLARENCE M. WILKINSON, doing business as Tri-Tility Advertising Company, Cleveland, Ohio. Published November 6, 1923.

REISSUES

JANUARY 29, 1924.

15,752. CHAIN LINK. JAMES COULTER, Bridgeport, Conn. Filed Aug. 29, 1923. Serial No. 660,053. Original No. 1,435,700, dated Nov. 14, 1922, Serial No. 514,959, filed Nov. 14, 1921. 10 Claims. (Cl. 59—90.)

1. In a chain link, a length of wire formed intermediate its ends with a pair of eyes and with an integral cross part which extends across the base of each eye, the wire beyond the cross part having its end portions shaped to form a bow.



DESIGNS

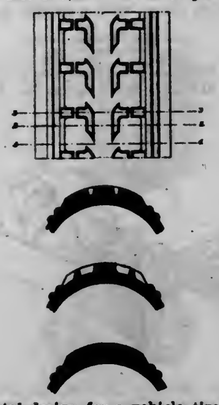
JANUARY 29, 1924.

63,839. DOLL. SUSIE M. ATTERHOLT, West Albany, N. Y. Filed Sept. 28, 1923. Serial No. 7,354. Term of patent 7 years.



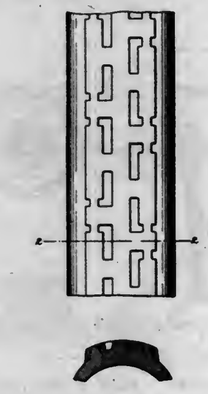
The ornamental design for a doll, as shown.

63,840. VEHICLE TIRE. FLOYD G. BEAN, Minneapolis, Minn., assignor to Blekre Tire & Rubber Company, St. Paul, Minn., a Corporation of Iowa. Filed Nov. 22, 1921. Serial No. 517,123. Term of patent 7 years.



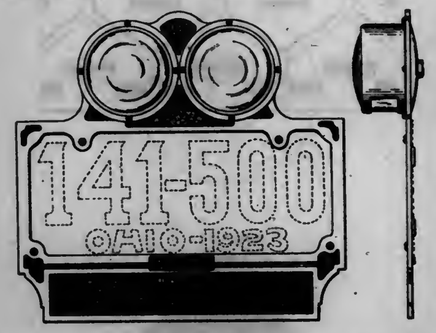
The ornamental design for a vehicle tire, as shown.

63,841. VEHICLE TIRE. EDGAR OLIVER BLEKRE, Minneapolis, Minn. Filed Dec. 15, 1920. Serial No. 430,976. Term of patent 7 years.



The ornamental design for a vehicle tire, as shown.

63,842. COMBINATION LAMP AND LICENSE-PLATE HOLDER. WESLEY E. COCHRAN, Cleveland, Ohio. Filed Nov. 13, 1922. Serial No. 4,273. Term of patent 3½ years.



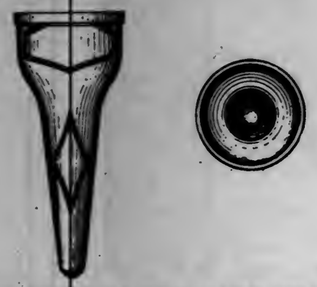
The ornamental design for a combination lamp and license plate holder, as shown.

63,843. TEAPOT OR SIMILAR ARTICLE. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary and Clark, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 13, 1922. Serial No. 1,723. Term of patent 14 years.



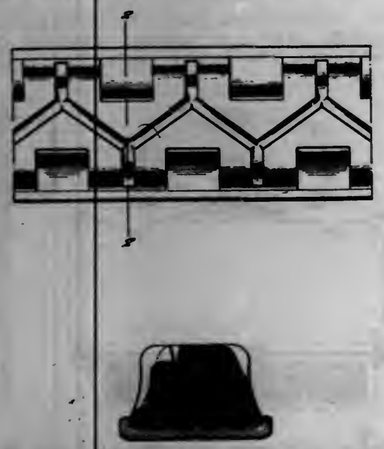
The ornamental design for a teapot or similar article as shown.

63,844. ICE-CREAM CONE. ISRAEL DICKSTEIN and BENJAMIN A. SHINDELL, New Haven, Conn., assignors to Connecticut Cone Co., Inc., New Haven, Conn., a Corporation. Filed July 19, 1923. Serial No. 6,805. Term of patent 3½ years.



The ornamental design for an ice cream cone as shown.

63,845. SOLID TIRE. FRED D. FOWLES, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Company of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,587. Term of patent 7 years.



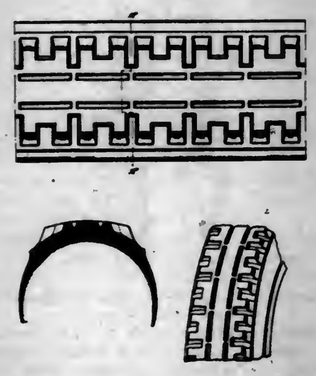
The ornamental design for a solid tire as shown.

63,846. DOLL. JOHN J. GILLOOLY, New York, N. Y. Filed Oct. 18, 1923. Serial No. 7,538. Term of patent 14 years.



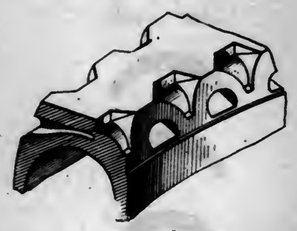
The ornamental design for a doll, as shown.

63,847. CORD TIRE. ALFRED A. GLIDDEN, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,598. Term of patent 7 years.



The ornamental design for a cord tire as shown.

63,848. TIRE TREAD. BERNARD GRANVILLE, New York, N. Y. Filed Mar. 7, 1921. Serial No. 450,485. Term of patent 7 years.



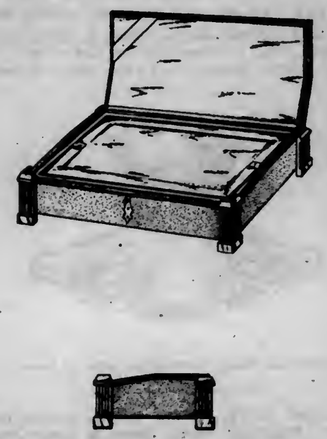
The ornamental design for a tire tread, as shown.

63,849. GOBLET. ALFRED B. GUNTHEL, Sea Cliff, N. Y., assignor to Société Anonyme des Cristalleries du Val St. Lambert, Val St. Lambert, Belgium. Filed Sept. 28, 1923. Serial No. 7,359. Term of patent 7 years.



The ornamental design for a goblet substantially as shown.

63,850. JEWELRY BOX. SAMUEL HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 15, 1923. Serial No. 7,502. Term of patent 7 years.



The ornamental design for a jewelry box as shown.

63,851. GLOBE FOR LIGHTING FIXTURES. NICHOLAS KOPP, Pittsburgh, Pa. Filed Feb. 9, 1922. Serial No. 615. Term of patent 7 years.



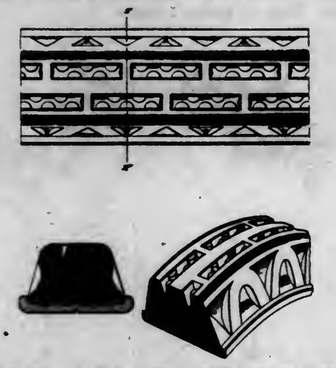
The ornamental design for a globe for lighting fixtures, as shown.

63,852. JUG. ABRAHAM MILLEN, Boston, Mass., assignor to American Syrup Co., Boston, Mass., a Corporation of Massachusetts. Filed Mar. 23, 1923. Serial No. 5,570. Term of patent 14 years.



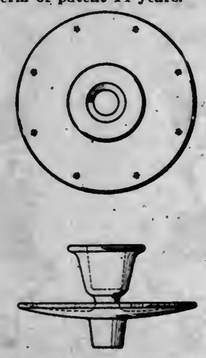
The ornamental design for a jug, as shown.

63,853. SOLID TIRE. ROBERT MUIR, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,589. Term of patent 3½ years.



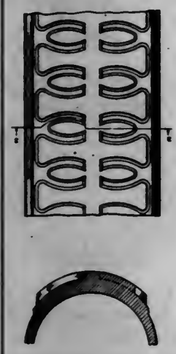
The ornamental design for a solid tire as shown.

63,854. COMBINED CANDLE HOLDER AND BOBACHE. CALVIN B. ROE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Dec. 21, 1922. Serial No. 4,653. Term of patent 14 years.



The ornamental design for a combined candle holder and bobache, as shown.

63,855. TIRE. HENRY G. SCHMIDT, Norwalk, Conn., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed May 10, 1922. Serial No. 2,160. Term of patent 3½ years.



The ornamental design for a tire, as shown.

63,856. GOBLET OR SIMILAR ARTICLE. SAMUEL TRIPPI, Buffalo, N. Y. Filed Mar. 12, 1923. Serial No. 5,440. Term of patent 7 years.



The ornamental design for a goblet or similar article, as shown.

63,857. DOLL. FLORENCE KYLE WATSON, Bluefield, W. Va. Filed July 27, 1923. Serial No. 6,883. Term of patent 14 years.



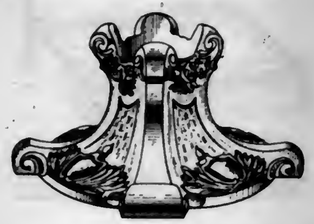
The ornamental design for doll as shown.

63,858. FIREPLACE HEATER. WILLIAM W. WEIR, Alameda, Calif. Filed Sept. 13, 1923. Serial No. 7,194. Term of patent 14 years.



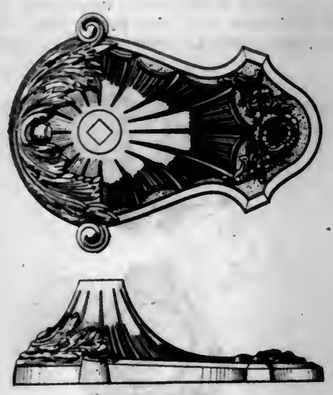
The ornamental design for a fireplace heater substantially as shown.

63,859. LAMP BASE. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 7,126. Term of patent 7 years.



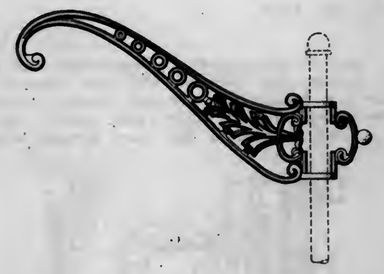
The ornamental design for a lamp base, as shown.

63,860. LAMP BASE. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 7,127. Term of patent 7 years.



The ornamental design for a lamp base, as shown.

63,861. BRACKET ARM FOR BRIDGE LAMPS. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 7,128. Term of patent 7 years.



The ornamental design for a bracket arm for bridge lamps, as shown.

63,862. LAMP FIXTURE, STANDARD, OR HANGER. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 7,129. Term of patent 7 years.

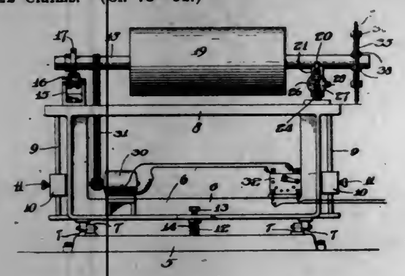


The ornamental design for a lamp fixture, standard or hanger, as shown.

PATENTS

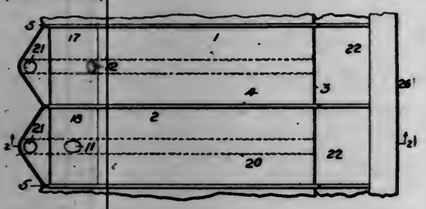
GRANTED JANUARY 29, 1924.

1,481,785. BALANCING MACHINE. NICHOLAS W. AKIMOFF, Philadelphia, Pa., assignor to Vibration Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 26, 1918. Serial No. 231,017. 22 Claims. (Cl. 73—51.)



1. In a machine for determining the location and value of static and dynamic unbalance existing in a rotatable machine element, means for rotatably supporting said machine element whereby the same may be permitted to oscillate in two degrees of freedom, means for alternatively suppressing the oscillation in either degree at will, and means for arbitrarily creating a determinable centrifugal force for counterbalancing the static or dynamic unbalance existing in said mcahine element.

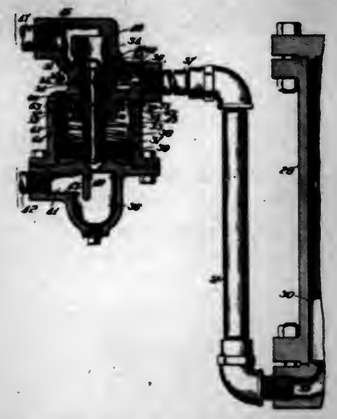
1,481,786. GAME. GEORGE T. BARBER, Brooklyn, N. Y. Filed Mar. 24, 1922. Serial No. 546,268. 8 Claims. (Cl. 46—61.)



1. In a game, the combination with playing balls adapted to be rolled by the player, of a hollow member rotatable about a longitudinal axis, and having longitudinally spaced apertures, trackways leading from the players to the member for the balls and means for continuously rotating said member.

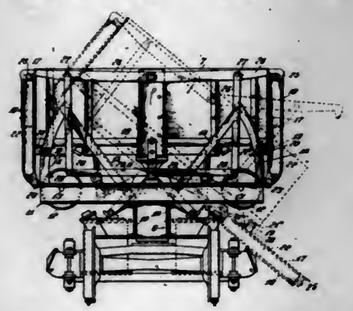
1,481,787. OPERATING MECHANISM FOR DUMP CARS. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Dec. 2, 1918. Serial No. 265,001. 9 Claims. (Cl. 121—41.)

1. In an operating mechanism for dump cars, the combination with means for supplying compressed air, and an operating cylinder, of a valve interposed between said air supplying means and said cylinder, said valve comprising a main valve chamber, an inlet duct leading to one end portion thereof, an auxiliary chamber communicating with the opposite end of said main chamber, a passage communicating intermediately with said main chamber and connected with said cylinder, an exhaust port leading from said main chamber into said auxiliary chamber, an exhaust port opening out of said auxiliary chamber, a slide valve movable in said



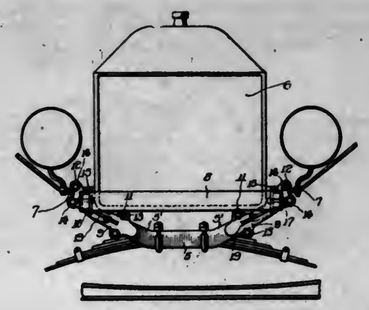
main chamber to connect said passage either with said inlet duct or with said first mentioned exhaust port, and means actuated by the admission of compressed air to said auxiliary chamber for operating said slide valve to connect said passage with said inlet duct.

1,481,788. DUMP CAR. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Aug. 3, 1922. Serial No. 579,376. 12 Claims. (Cl. 105—276.)



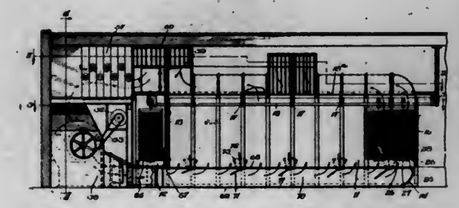
1. A dump car comprising a tilting bed, an under-body on which said bed is mounted, transverse bars mounted on said under-body, rollers carried by said transverse bars adjacent to one of the side margins of said bed, a side gate pivotally connected with the bed adjacent to the floor thereof whereby the upper margin of said gate may swing outward and downward, and arms carried by and depending from said gate and adapted to ride on said rollers when the car bed is tilted.

1,481,789. BUMPER. WALTER A. BOCKIUS, Wilmette, Ill., assignor to The Beckley-Ralston Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 15, 1921. Serial No. 507,889. 3 Claims. (Cl. 293—55.)



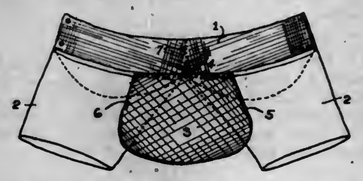
2. A bumper structure for Ford motor vehicles comprising a U-shape bumper bar, supporting brackets, each bracket having a base part and a wall extending forwardly therefrom intermediate its ends, said bumper bar engaging at its ends against said base parts and against the outsides of said walls and being rigidly secured to said walls, the inner ends of said base parts being adapted to engage against the front face of the front cross member of the vehicle chassis frame, wings on said inner ends for receiving U-bolts which engage around the cross member, the outer ends of said base parts being in front of the lamp supporting brackets of the vehicle and being provided with bolt holes for receiving fastening members adapted to engage with said lamp brackets.

1,481,790. DRYING APPARATUS. HENRY B. BUCKHAM, Chicago, Ill., assignor to The Albright-Nell Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1920. Serial No. 388,504. 12 Claims. (Cl. 34—46.)



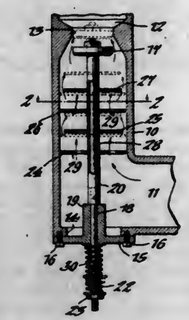
1. In a drying apparatus, in combination: a drying chamber divided into a plurality of compartments, each adapted to be opened from end to end for the free passage therethrough of containers supporting the material to be dried; a blower; a heating chamber for supplying heated air to the inlet of said blower; a distributing chamber receiving the hot air discharged by said blower and adapted to feed such air to any of said compartments; and means for individually controlling the feed of air from said distributing chamber to any one of said compartments; and means for selectively causing an open and closed circulation of air through said compartments, substantially as specified.

1,481,791. UNDERGARMENT. NAOMI RITCHIE CURTIS, Norwalk, Conn. Filed July 24, 1922. Serial No. 576,947. 3 Claims. (Cl. 2—122.)



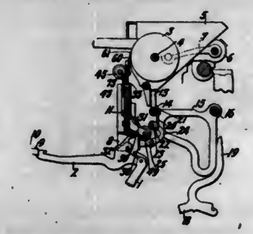
1. An undergarment comprising a hip engaging band, drawer legs secured to the lower edge of said band, and a depending flap having a free lower edge and being secured to a rear portion of said lower edge and to a rearwardly disposed portion of the respective drawer legs.

1,481,792. GOVERNOR FOR GAS ENGINES. HAROLD S. DAILEY, Barker, N. Y. Filed Mar. 29, 1922. Serial No. 547,940. 4 Claims. (Cl. 48—180.)



1. A device of the character described, comprising a fuel conduit having an outlet port, a valve stem slidable in said conduit, a throttle valve mounted on said stem and movable toward and from said outlet port, and a plurality of baffle-disks mounted on said stem and arranged in sets, some of said disks having fuel-passages and others having solid portions located opposite the passages of the first-named disks.

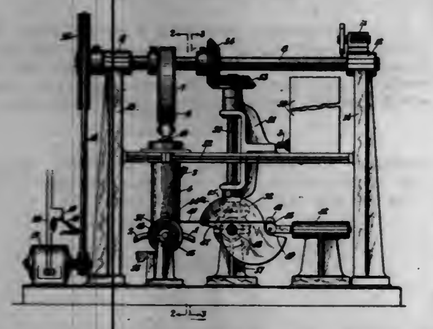
1,481,793. TYPEWRITING MACHINE. JOHN C. DOANE, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1921. Serial No. 452,221. 23 Claims. (Cl. 197—135.)



1. In a front-strike typewriting machine, the combination with a platen and case-shift mechanism for shifting said platen vertically, of a guiding and aligning element to co-operate with said platen and pivoted for movement to and from the latter, means to cause vertical shifting of said element with said platen, a stop to

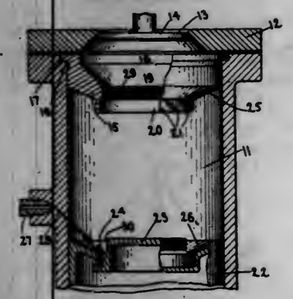
limit the movement of said guiding and aligning element away from said platen, and a manually shiftable member to be interposed between said stop and said element to diminish the extent of movement of the latter away from the platen.

1,481,794. BLOOD-TRANSFUSION APPARATUS. EUGENE A. DUPIN, New York, N. Y., assignor of one-third to Harry J. Dupin, one-third to Oscar Hauser, and one-third to Leontine F. Dupin, all of New York, N. Y. Filed May 22, 1922. Serial No. 562,585. 4 Claims. (Cl. 128—214.)



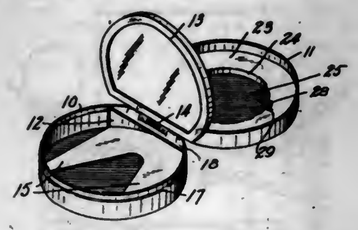
1. A blood transfusion apparatus comprising a pump, means for supplying auxiliary fluid under pressure, intake and discharge conduits, mechanism for connecting the chamber of said pump and said auxiliary fluid-supplying means selectively to said intake and discharge conduits, and mechanical means timed in accordance with the stroke of the pump for connecting said fluid-supplying means to said discharge conduit and the pump chamber to said intake conduit during the suction stroke of the pump and for shifting said mechanisms to connect the pump chamber to the discharge conduit and the auxiliary fluid-supplying means to the intake conduit during the delivery stroke of the pump.

1,481,795. FUEL-MIXING MEANS FOR INTERNAL-COMBUSTION ENGINES. EUGENE A. FORD, Newton, Mass., assignor to R. E. D. Engine Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1921. Serial No. 450,446. 9 Claims. (Cl. 123—33.)



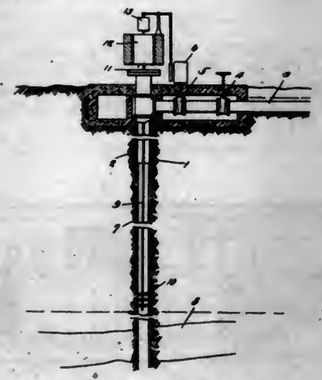
1. In an internal combustion engine, a cylinder, a piston arranged to reciprocate in said cylinder, a partition in the upper part of the cylinder delimiting a combustion chamber from the main interior space of the cylinder, and means for delivering liquid fuel upon the upper end of the piston between the cylinder wall and the entrance to said combustion chamber; the piston end having a depressed portion to receive the fuel, and the partition being complementally formed to enter said depressed portion when the piston approaches the end of its compression stroke, whereby to cause air then entrapped in the intermediate space to carry the fuel with it in its flow to said combustion chamber.

1,481,796. COMBINATION VANITY BOX. GEORGE GUSSOFF, New York, N. Y. Filed June 23, 1923. Serial No. 647,234. 8 Claims. (Cl. 132—83.)



1. In a vanity case construction, a receptacle forming a compartment for cosmetic material, a hinged cover member forming another compartment for material, a mirror-supporting and compact-holding element removably positioned in the receptacle, a mirror having a hinged mounting on the element, and means for automatically raising the mirror to a convenient position for use when the cover member is lifted.

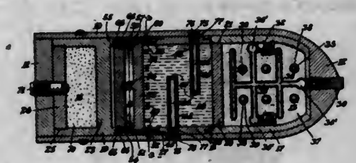
1,481,797. METHOD AND APPARATUS FOR UTILIZING POTENTIAL HYDRAULIC ENERGY. NIAL HADDEN, Buffalo, N. Y., assignor of one-third to Sherman Woodward and one-third to Palmer Osterman, both of New York, N. Y. Filed May 6, 1921, Serial No. 467,444. Renewed Dec. 9, 1922. 6 Claims. (Cl. 61—19.)



4. The method of utilizing potential hydraulic energy, which comprises conducting water from a body of water to a subterranean water-carrying stratum located below the level of said body of water, and utilizing the flow of water thus produced to operate a hydraulic power producer.

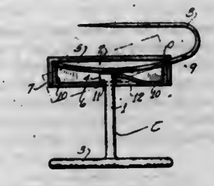
1,481,798. PROJECTILE. JOHN HAYS HAMMOND, Jr., and HENRY L. F. BUSWELL, Gloucester, Mass.; said Buswell assignor to said Hammond. Filed June 27, 1917, Serial No. 177,425. Renewed July 11, 1922. Serial No. 574,284. 12 Claims. (Cl. 102—29.)

1. A projectile including a shell, a plurality of substances contained in said shell and adapted to combine chemically to produce a given substance, means normally maintaining said substances separated but operative as a result of the sudden discharge of said shell from a gun



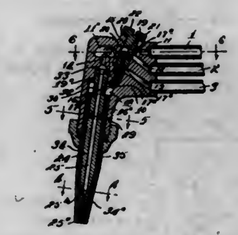
to cause said first mentioned substances to combine to produce said given substance, and means operative to explode said shell a predetermined time after impact.

1,481,799. COLLAR BUTTON. CLARENCE B. HAND Maplewood, Mo. Filed Feb. 28, 1923. Serial No. 621,786. 1 Claim. (Cl. 24—63.)



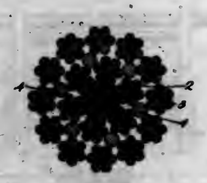
A collar button comprising a stem and a hollow head detachable therefrom, said head being provided with an opening adapted to receive one end of the stem, and a hook provided with a spring shank secured in the head and adapted to bear against the end of the stem received in opening in the head.

1,481,800. BLOWPIPE. JOHN HARRIS, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 11, 1919. Serial No. 316,556. 9 Claims. (Cl. 158—27.4.)



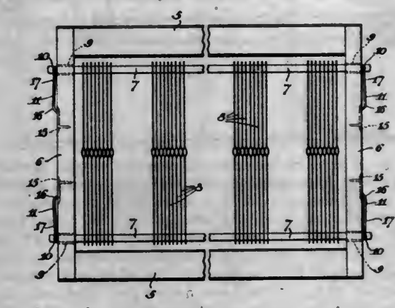
1. In a blow pipe, the combination of a head having a branched chamber for cutting oxygen and a tip having a central bore for such cutting oxygen and passageways for preheating gases surrounding said bore, said head having a bore extending between the branches of said chamber and in approximately the direction of the first mentioned bore and also having passageways for preheating oxygen and combustible gas communicating with such second bore, and a plug in such second bore having a passageway extending therethrough and adapted to receive the preheating oxygen and provided with ports communicating with its passageway and adapted to conduct combustible gas thereto, said head having a chamber with which the lower end of the passageway in said plug communicates and with which the passageways in said tip also communicate.

1,481,801. WIRE ROPE. NOBLE C. HARRISON, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Mar. 23, 1921. Serial No. 454,721. 6 Claims. (Cl. 117—59.)



1. A wire rope comprising an inner series and an outer series of strands of helically wound wire, and a series of bearers arranged between contiguous surfaces of the strands of the outer and inner series, said bearers being laid up in the valleys between the strands of the inner series, whereby flexibility of the rope is increased and the friction due to relative movement of the strands during bending is reduced.

1,481,802. HEDDLE FRAME. JACOB KAUFMANN, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1923. Serial No. 624,170. 4 Claims. (Cl. 139—92.)

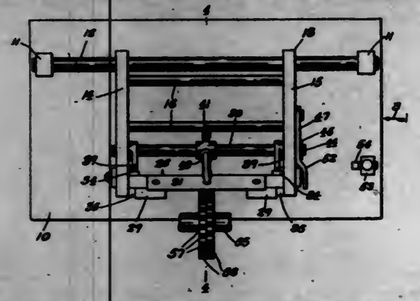


1. A heddle frame comprising top and bottom bars and end members, heddle supporting bars mounted in said frame extending through slots in the end members and having their ends projecting beyond the outer margins of the end members and having apertures provided in said projecting portions, securing devices each adapted to engage one of said projecting end portions of the heddle supporting bar and comprising a member made of spring wire having one end thereof extending into the material of the end member and being retained therein by frictional engagement, said member having a spring-like extension, the free end of said extension being provided with a hook-like portion adapted to engage the aperture in the heddle supporting bar, and means for preventing rotative movement of said securing member about the portion thereof which extends into the end member of the frame.

1,481,803. APPARATUS FOR MAKING SAW BLADES. ADOLF KÖNIG, Hoboken, N. J., assignor to Hans K. Lorentzen, New York, N. Y. Filed Aug. 28, 1918, Serial No. 251,762. Renewed June 23, 1923. 13 Claims. (Cl. 76—25.)

1. In an apparatus of the class described, a base, a shaft mounted longitudinally of and above the rear end portion of said base, a frame mounted on said shaft and

movable longitudinally thereof, rollers for supporting the front end portion of said frame in its movement over



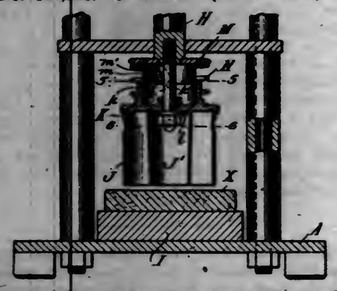
the base, a workpiece supporting member detachably mounted in the front end portion of the frame, and means for locking said member in position.

1,481,804. GARMENT-CUTTING DEVICE. ANIELLO LUONGO, New York, N. Y. Filed Sept. 23, 1921. Serial No. 502,804. 6 Claims. (Cl. 164—31.)



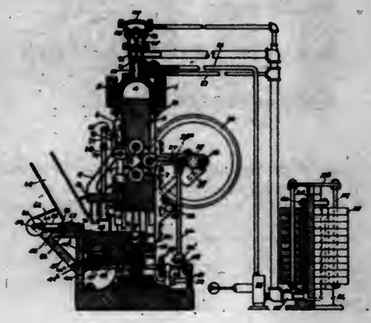
1. In a garment cutting and marking device having a plurality of individual pattern resembling units provided with self-adjusting cutting or marking blades adapted to conform with the contours imparted to said units, a plurality of individual adjusting means in each of said units adapted to control the shaping of various portions of each units, a main connection for all of said adjusting means, all of said units, and means for collectively controlling and simultaneously operating all of said adjusting means through said main connection.

1,481,805. MACHINE FOR CUTTING DOUGH OR SIMILAR MATERIAL. ALBERT F. MAIN and FRANK A. ADAMS, Rochester, N. Y. Filed Feb. 11, 1921. Serial No. 444,246. 3 Claims. (Cl. 107—21.)



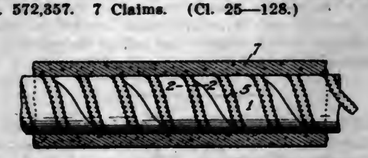
3. In a machine for cutting dough, the combination with a support movable vertically toward the material to be cut, of a knife mounted on the support and yieldable vertically thereon as it engages the dough, and instrumentalities acting to impart a turning motion to the knife as it enters the material to be cut.

1,481,806. APPARATUS FOR COMPRESSING METALLIC PARTICLES. ALONZO B. MONTGOMERY, Lakewood, Ohio. Filed Nov. 18, 1920. Serial No. 424,841. 16 Claims. (Cl. 78—13.)



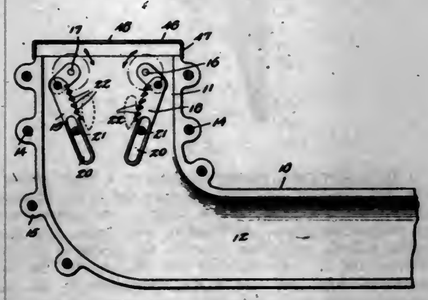
1. In an apparatus for compressing material, an automatic intermittently revolving table, a plurality of molding chambers therein, a plunger head, a plurality of plungers carried by said plunger head for successively compacting material within the respective molding chambers, and a plurality of plungers on said head for successively giving said material a different outward configuration.

1,481,807. PRODUCTION OF CONDUITS. JOHN F. MURRAY, Brooklyn, N. Y. Filed July 3, 1922. Serial No. 572,357. 7 Claims. (Cl. 25—128.)



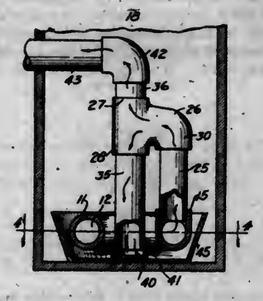
3. A hollow molding core in combination with a strip wound spirally around said core and attached thereto.

1,481,808. COTTON PICKER. JAMES P. ROACH, New York, N. Y. Filed May 15, 1922. Serial No. 560,910. 4 Claims. (Cl. 56—36.)



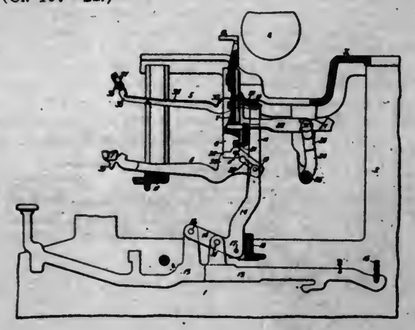
1. In a pneumatic cotton picker, means for stripping cotton from the boll comprising complementary picking elements mounted for movement in the intake of the suction nozzle and means for positively driving the same at a high rate of speed to effect their advancement toward each other during the stripping action and at a reduced rate of speed and away from each other during the releasing action.

1,481,809. GAS GENERATOR. WILLIAM C. SCHEU, Los Angeles, Calif., assignor to Harrison, Paul Scheu Co., Upland, Calif., a Corporation of California. Filed June 18, 1921. Serial No. 478,605. 6 Claims. (Cl. 158—28.)



burner inlet pipe extending downwardly to the burner, a generating chamber extending around said inlet pipe and burner and having an outlet extending upwardly and connecting with the downwardly extending inlet pipe for the burner, a gas outlet means connecting with said outlet of the generating chamber, and an outlet pipe communicating with said chamber at the end thereof remote from the outlet of said chamber, means for forcing air to said air inlet pipe, and means for supplying fuel to said air inlet pipe.

1,481,810. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Apr. 12, 1923. Serial No. 631,404. 6 Claims. (Cl. 197—22.)

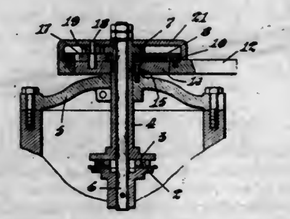


1. In a typewriting machine, a system of segmentally arranged pivoted type bars movable at their heels in converging planes, the point of convergence of such planes being on the median plane of the system and intermediate the pivots of the type bars and the point where the bars converge in the printing position.

1,481,811. SOAP PASTE. FRED W. SHIELDS, Kansas City, Mo., assignor to Little Wonder Laboratory, Atchison, Kans., a Firm consisting of Fred W. Shields, Alma L. Shields, and Guy V. Haley, all of Kansas City, Mo. Filed Aug. 29, 1921. Serial No. 496,607. 1 Claim. (Cl. 87—5.)

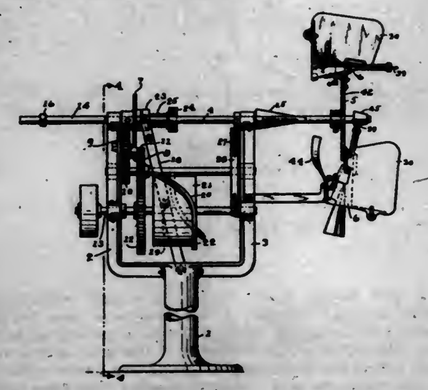
A plastic composition adapted to form a soap paste, consisting of thirty pounds of tallow, five pounds of borax, one pound of alum, five pounds of soda, five pounds of laundry soap, one ounce of oil of wintergreen, one ounce of sweet oil, one quart of liquid glass, five gallons of boiling water, and thirty-five pounds of pine sawdust.

1,481,812. DIAL-HOLDING MECHANISM. WALTER A. SIMOND, Franklin, N. H., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H., a Corporation of New Hampshire. Filed Nov. 17, 1919. Serial No. 338,678. 7 Claims. (Cl. 66—22.)



1. In a knitting machine having a needle dial and a cam for operating the needles mounted in said dial, a mechanism for holding the dial stationary while the cam revolves, comprising, in combination, an annular gear, means supporting said gear in a fixed position, a second gear of smaller pitch circle than said annular gear, said second gear being rigidly connected with said dial and positioned substantially within said annular gear, and planetary gearing connected with said cam to rotate therewith and positively connecting said gears, said planetary gearing being of a ratio to maintain said second gear stationary.

1,481,813. CONE-ROLLING MACHINE. CARL R. TAYLOR, Cleveland, Ohio. Filed Feb. 16, 1921. Serial No. 445,294. 22 Claims. (Cl. 107—58.)



11. In a cone rolling machine, a hollow conical die, a mandrel engageable and disengageable with said die to form a pastry cone therein, means carried by the die operable upon movement of the mandrel out of the die to positively engage the formed cone to prevent displacement thereof from the die, means for moving the die and means engageable with said cone engaging means to move it out of engagement with the formed cone to release the cone from the die.

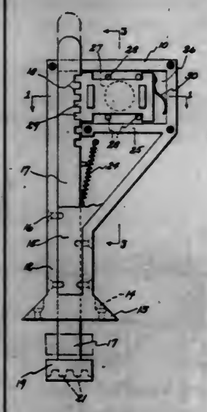
16. In a cone forming machine, a die carrying disk, a series of conical cone forming dies pivoted to the disk, means for rotating the disk, means cooperating with the dies to form conical pastry cones therein, means carried by the die for engaging a formed cone to retain it in the die, means engageable with the dies successively to swing them about their pivots and simultaneously release said cone engaging means, and means operable upon said swinging movement of the dies to directly engage and positively eject the formed cones from the dies.

1,481,814. KINESITHERAPEUTIC APPARATUS. JOHN P. THEOFILOS, Chicago, Ill. Filed Nov. 10, 1922. Serial No. 600,058. 6 Claims. (Cl. 128—63.)



1. In a kinesitherapeutic apparatus, the combination of a rotary crank head adapted for fixed attachment to the end of the power shaft of a rotary motor and carrying a pair of crank pins in diametrically opposed relation at the end opposite to that formed for attachment to the power shaft, a flexible band having a loop shape the ends of which are operatively connected to said crank pins, and applicator means associated with said band.

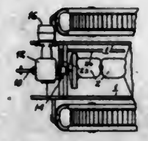
1,481,815. ANTITHEFT DEVICE FOR AUTOMOBILES. ANTONIO TINO, New York, N. Y. Filed June 6, 1922. Serial No. 566,297. 1 Claim. (Cl. 70—132.)



A gear locking device comprising a rigid stationary frame adjacent the gear, a bolt slidable in said frame radial with respect to the gear, teeth on the end of said bolt adapted to engage the teeth of said gear, guides on each side of the bolt teeth engageable with opposite sides of the rim of the gear, manual means for depressing said bolt to cause engagement of the respective teeth of said bolt and gear, a tension spring normally operating to lift said bolt out of engagement with said gear, notches on the side of said bolt, a slide movable transverse to the bolt, the notches of the bolt being numerically greater than the number of teeth on the slide, said notches being adapted to permit locking of the bolt at intermediate positions, teeth on said slide adapted to engage the lateral teeth of the bolt, an S-shaped spring secured to the slide adapted to urge said slide into engagement with the bolt, and key operated means for retracting said slide.

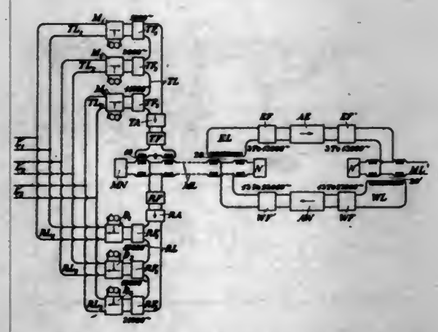
1,481,816. POWER MECHANISM FOR TRACTORS. JAMES J. TRACY, Cleveland, Ohio. Filed July 15, 1918. Serial No. 244,872. 1 Claim. (Cl. 180—53.)

In a tractor, the combination of a frame and traction members therefor; of an engine, mounted in said frame with its shaft disposed longitudinally thereof; means including a clutch and change-speed gear for operatively connecting one end of the engine shaft with said traction members; control levers for said means; a casing supported on a cross member of said frame adjacent the other end of said engine shaft; an extension shaft continuously coupled to said engine shaft and supported in alignment therewith in said casing; a lateral extension on said casing supported on a side member of said frame; a power shaft mounted in said lateral extension at right angles to said extension shaft; beveled gear secured to the inner



end of said power shaft and a belt pulley secured to the outer end thereof; a clutch element rotatably mounted on said extension shaft; a beveled gear mounted on said clutch element and in constant engagement with the beveled gear of said power shaft; a companion clutch element splined on said extension shaft for engagement with said first-named clutch element; a clutch shifting mechanism slidably mounted within said casing and a hand lever for controlling said clutch shifting mechanism located adjacent the control levers of said tractor.

1,481,817. REPEATER FOR MULTIPLEX SYSTEMS. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,515. 11 Claims. (Cl. 178—44.)



1. In a signaling system, a transmission line, means for transmitting signals in one direction over said line by means of currents of one frequency, and means for transmitting signals of the same kind in the opposite direction over said line by means of currents of another frequency, a one-way repeater in said line for amplifying currents of the frequency transmitted in said first mentioned direction, and a second one-way repeater for amplifying currents of the frequency transmitted in the opposite direction.

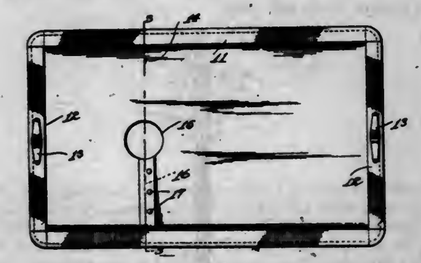
1,481,818. COMBINED SAW JOINTER AND GAUGE. GUSTAF ANDERSON, Atlin, British Columbia, Canada. Filed Feb. 2, 1922. Serial No. 533,635. 18 Calims. (Cl. 76—46.)

1. A saw fitting tool including a frame, a jointer support connected to the frame in parallel relation thereabove having heads at its opposite ends, runner plates having threaded stems shiftable through the said heads, an adjusting nut confined in each of the heads between vertically spaced portions thereof and engaging the said



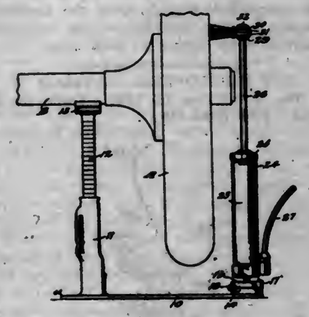
stems of the runner plates, and means to secure the stems in adjusted position, said means being carried by the heads and engaging the said adjusting nuts.

1,481,819. BATH DEVICE. KATE B. BAGGS, Atlanta, Ga. Filed Apr. 3, 1923. Serial No. 629,649. 3 Claims. (Cl. 4—160.)



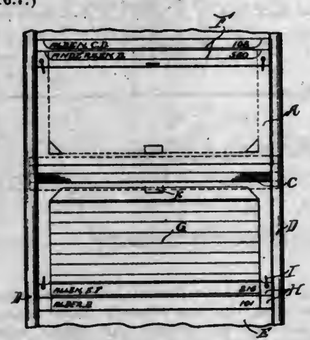
1. A vapor confining cover for a bath-tub comprising a flexible cover, and a frame including movably connected sections, one of the sections being secured to one portion of the flexible cover and the other section of the frame and the other portion of the cover being free for movement independently of each other, said other section cooperating with the rim of a tub to clamp said other portion of the cover therebetween, said cloth having a head receiving opening and a closure extending from the opening through the other portion of the cover.

1,481,820. PUMP. FEDERICO ZORRILLA BARRUNDIA, Oaxaca, Mexico. Filed May 13, 1922. Serial No. 560,784. 3 Claims. (Cl. 230—27.)



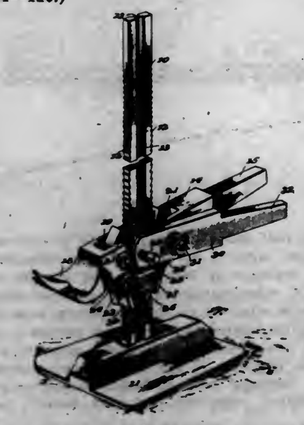
1. A device for inflating the tire of a motor vehicle embodying a base, means for elevating one of the rear driving wheels of the vehicle, a pump barrel connected to the outer end of the base for universal rocking movement, a plunger in the barrel, a plunger rod connected with the plunger and an eccentric crank connected with the free end of the plunger and provided with a base having divergent spoke embracing elements engageable with adjacent spokes, and means extending around the crank and the hub of the wheel for preventing outward radial movement of the crank.

1,481,821. INDEX-DEVICE. JOSEPH ALBERT BAKER, Salt Lake City, Utah, assignor to Rand Company, Inc., North Tonawanda, N. Y., a Corporation of New York. Filed June 9, 1922. Serial No. 567,048. 5 Claims. (Cl. 129—16.7.)



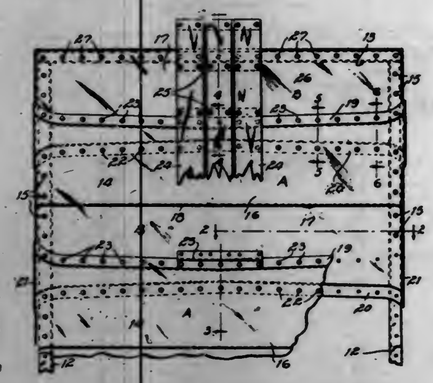
1. A card holder for card index systems having a sheath of transparent material secured thereto at one edge and folded over the body of the holder to form a pocket, and a card removably mounted on said holder with one margin in said pocket, said holder having a portion of the margin covered by said sheath cut away to provide a recess of less width than one wall of the pocket whereby to permit a portion of the margin of the card to be visible from the back of the holder.

1,481,822. JACK. WILLIAM BENGEL, Newport, Ark. Filed Oct. 7, 1922. Serial No. 592,954. 3 Claims. (Cl. 254—110.)



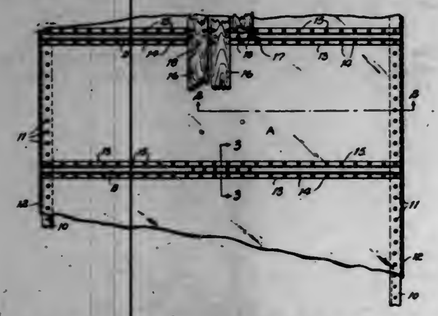
1. A jack including an upright having a supporting base and opposite ratchet faces; a lever slidably guided on the upright and oscillatable with respect thereto, said lever being directly engageable with the work at one end and having an opposite handle end, spring controlled dogs pivotally supported by the lever and having depending portions engaging the ratchet faces of the upright, and a member carried by and shiftable with the lever and movable between and in engagement with the engaging portions of said dogs to force the latter out of engagement with the ratchet faces of the said upright.

1,481,823. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,653. 20 Claims. (Cl. 108—54.)



1. A car roof whose longitudinal cross-section comprises alternating ribs and channels whose adjacent side marginal portions are shaped and rigidly secured together throughout their lengths to form hollow box-girders.

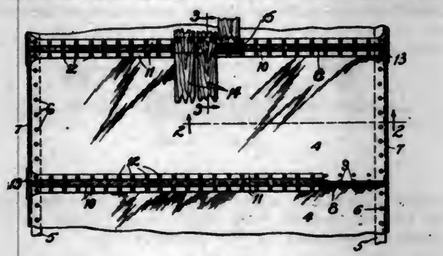
1,481,824. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1922. Serial No. 553,645. 7 Claims. (Cl. 108—5.4.)



1. A car roof comprising a plurality of roof sheets extending from eaves to eaves and rigidly connected along their side margins by lap-joints, and outside stiffening members of substantially inverted channel shaped section arranged adjacent to said lap-joints, said stiffening members being secured along one side margin to said lap-joints and being secured along their opposite side margins to the portions of the sheets located beyond said lap-joints, whereby said stiffening members and roof sheets together constitute exterior hollow box-girder joints.

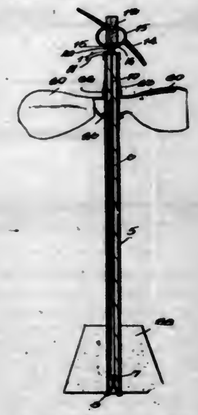
1,481,825. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Original application filed Apr. 17, 1922, Serial No. 553,645. Divided and this application filed Feb. 26, 1923. Serial No. 621,217. 5 Claims. (Cl. 108—54.)

1. A car roof comprising a plurality of roof sheets connected together along their adjacent margins by rigid joints, and cap strips of inverted channel shape covering said joints, said cap strips being positively secured to adjacent sheets on opposite sides of the joints and far



enough therefrom to form with such adjacent sheets hollow box-girders.

1,481,826. TOY HELICOPTER. LAWRENCE W. BROWN, Clinton, Mo. Filed Sept. 19, 1922. Serial No. 589,229. 9 Claims. (Cl. 244—19.)



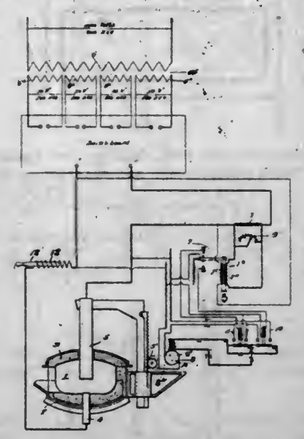
9. In a device of the character described, a tubular body member, a rubber band within said body member and extending longitudinally thereof, a rotatable member secured to one end of said band, and adapted to rotate exteriorly of the tube, a clip secured to the other end of the band and disposed within the tubular member, and outwardly bent hook-shaped projections carried by the clip adapted to engage upon the associated end of the tubular member and secure the tube and band against rotation with respect to each other.

1,481,827. TOY HELICOPTER. LAWRENCE W. BROWN, Clinton, Mo. Filed Feb. 16, 1923. Serial No. 619,457. 12 Claims. (Cl. 170—159.)



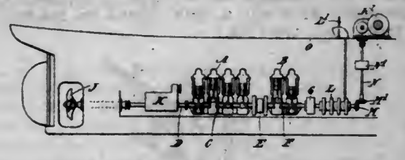
1. A propeller comprising an elongated flexible central portion, a blade extending from each side of the central portion and adjacent opposite ends thereof and the longitudinal axes of said blades being in alignment for the purpose described.

1,481,828. APPARATUS FOR TREATING METALS. REGINALD H. BULLEY, Syracuse, N. Y. Original application filed Apr. 24, 1916, Serial No. 93,070. Divided and this application filed Feb. 8, 1918, Serial No. 216,100. Renewed Mar. 21, 1922. Serial No. 545,570. 11 Claims. (Cl. 204—64.)



1. In apparatus for treating metal by the use of an electric arc, the combination of a pair of electrodes, one of which is movable relatively to the other one, and means for delivering to said electrodes when positioned for a relatively long arc a given kilowatt load, and then substantially the same kilowatt load with reduced voltage and increased amperage when the electrodes are positioned for a shorter arc.

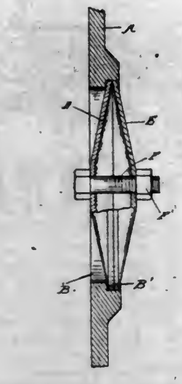
1,481,829. POWER APPARATUS FOR USE ON VESSELS. ALAN ERNEST LEOFRIC CHORLTON, Westminster, London, and JOHN SALMOND DOIG, Grimsby, England, assignors of one-third to Sir William Beardmore, Westminster, London, England. Filed Oct. 19, 1920. Serial No. 418,063. 2 Claims. (Cl. 115—34.)



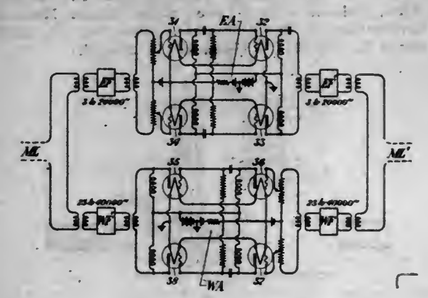
1. In power apparatus for use on vessels, in combination, an internal combustion engine comprising a plurality of cylinders arranged in groups, a crank shaft divided in accordance with the grouping of the cylinders, means for detachabling coupling the sections of the crank shaft together, work performing means at the opposite ends of the crank shaft, and mechanism associated with each of said work performing means whereby the amount of work performed thereby may be varied or rendered negligible so that the power of all the cylinders may be utilized by either work performing means or any fraction thereof utilized by either such means.

1,481,830. EXPANSIBLE CLOSURE. JAMES HARRY CLARK, Detroit, Mich. Filed June 18, 1921. Serial No. 478,772. 2 Claims. (Cl. 301—63.)

1. In a vehicle wheel, the combination with a plate having a circular opening, of a closure for said opening comprising only a pair of metallic disks of concavo-convex form having aligned apertures, the concave faces of said disks being opposed to each other with the marginal portions thereof abutting, a bolt extending through the aligned apertures in said disks, and a member cooperating with said bolt for moving the central portions of said disks toward each other to force the marginal portions thereof against the walls of the opening in said plate.



1,481,831. REPEATER ARRANGEMENT FOR MULTIPLEX SIGNALING. CHARLES S. DEMAREST, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 13, 1919. Serial No. 323,492. 15 Claims. (Cl. 179—15.)

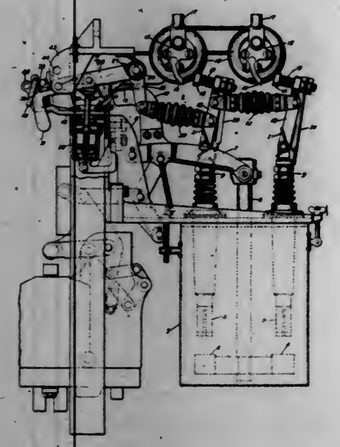


1. In a signaling system, a transmission line, means for simultaneously transmitting over said line in one direction a plurality of signals by means of currents of different frequencies, means for simultaneously transmitting in the opposite direction over said line a plurality of signals by means of currents of a plurality of other frequencies, a common repeater in said line for amplifying all of the frequencies transmitted in one direction, and a second common repeater for amplifying all of the frequencies transmitted in the opposite direction.

1,481,832. ELECTRIC SWITCH. WILLIAM POOLE DREYER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 3, 1920. Serial No. 378,418. 32 Claims. (Cl. 200—50.)

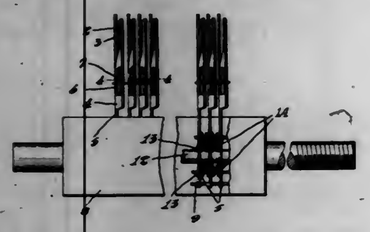
15. An electric switch comprising a current interrupting switch element and a disconnecting switch element, the latter element being biased to open position and

mechanism which will cause the closure of said disconnecting element and the subsequent closure of said current interrupting element and will cause the opening of said current interrupting element and permit the subsequent opening of the disconnecting element.



21. A circuit breaking mechanism of the character described comprising an oil switch mechanism, an air break mechanism associated with said oil switch mechanism and normally automatically controlled thereby, and means for simultaneously locking both of said switch mechanisms in open position.

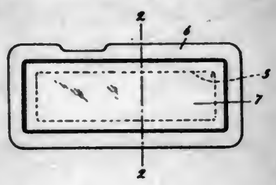
1,481,833. LEASE COMB. CHARLES F. DUPEE, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1922. Serial No. 595,791. 5 Claims. (Cl. 28—54.)



1. A sheet metal warp guide for lease combs, comprising a shank, two dents integral with said shank, said dents being laterally offset from each other to provide a space between them, one of said dents being located ahead of the other, and a finger integral with one of said dents but laterally offset therefrom, said finger extending substantialy across said space and being positioned closely adjacent to the opposite dent.

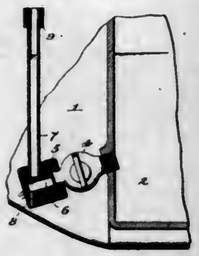
1,481,834. ART OF STENCIL MAKING. STERLING ELLIOTT, Cambridge, Mass.; Harriet Adell Elliott executrix of said Sterling Elliott, deceased. Filed Mar. 1, 1920. Serial No. 362,200. 2 Claims. (Cl. 41—38.5.)

1. That step in the art of making stencils having a frame bounding an aperture therein and a gelatine-coated stencil sheet adhesively secured to the frame over the aperture and within the opposite faces of the frame, which consists in stretching the dry gelatine-coated stencil sheet by moistening it with water, cementing the borders of the moistened sheet to the stencil frame over



the aperture therein, and allowing the cement to set and the stencil sheet to dry and contract on the frame.

1,481,835. OIL GAUGE. STANLEY W. FINCH, Washington, D. C. Filed Mar. 17, 1923. Serial No. 625,887. 7 Claims. (C. 73—54.)



1. In combination with the oil reservoir or sump of an internal combustion engine; a pet-cock in communication with the lower portion thereof; and a gauge communicating with the cock and adapted, when the cock is opened, to indicate the level of the oil in the sump, said gauge being provided with a restricted normally open drain passage.

1,481,836. CURTAIN LIGHT FOR MOTOR VEHICLES. JACOB HAMMEL, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1919. Serial No. 288,682. 2 Claims. (Cl. 296—145.)

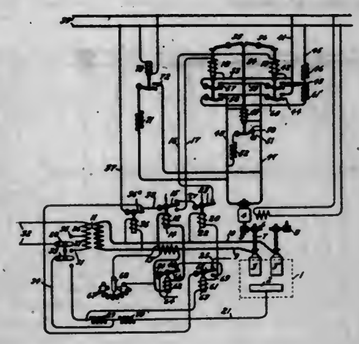


1. In a curtain light, metallic pane and fabric clamping members, a screw connecting said members, having an inwardly projecting shank, a threaded stud on said screw, and a finishing member adapted to cover a face of said clamping members, and having spring socket means to engage said stud.

1,481,837. ELECTRIC-FURNACE CONTROL APPARATUS. HAMMOND CHARLES HASTINGS and NEWTON LAYCOCK, Rugby, England, assignors to General Electric Company, a Corporation of New York. Filed Apr. 19, 1920. Serial No. 374,916. 5 Claims. (Cl. 204—64.)

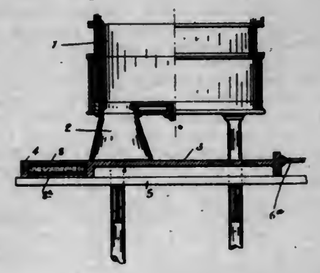
2. A regulator for a plurality of co-operating arcing electrodes, comprising means for regulating the arcing

relation of one of the electrodes in response to the current in the arc circuit and another of the electrodes in



response to the voltage drop across the arc, and means for preventing the current controlled electrode from being lowered when the arc voltage is abnormally high.

1,481,838. APPARATUS FOR EXPRESSING OIL FROM COTTON AND SIMILAR SEED MEATS. NELSON B. HENRY, Atlanta, Ga., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Sept. 9, 1919. Serial No. 322,654. 2 Claims. (Cl. 100—50.)



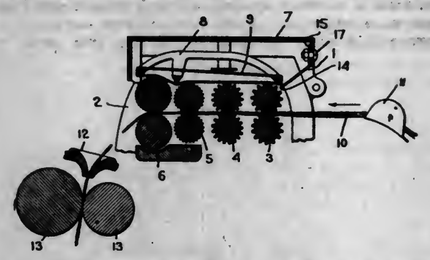
1. In an apparatus of the character described, an open-ended die, formed in a die table; a second table on which the die table slides in a straight path; a cage, operatively arranged in the path of the die; a cake-forming plunger above the cage and over the path of the die, a yielding resistance plunger moving through the cage and beneath the cake-forming plunger to react against the cake forming plunger in compacting the cake.

1,481,839. MAN'S NECKWEAR. JAMES A. HEWES, Melrose, Mass., assignor to Hewes & Potter, Boston, Mass., a Copartnership composed of James A. Hewes and Frank W. Potter. Filed May 1, 1922. Serial No. 557,719. 2 Claims. (Cl. 2—82.)



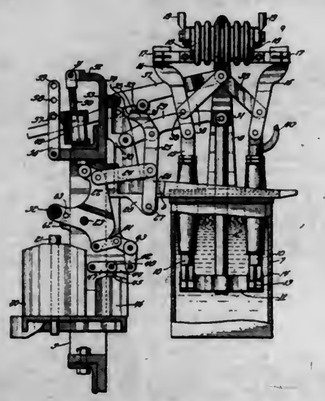
1. A bow necktie including an interior supporting frame consisting of a narrow strip of pliable sheet metal, readily bendable to impart a variety of shapes to the tie at the will of the wearer.

1,481,840. GUARD FOR DRAWING FRAMES. WILLIAM HINCHLIFFE, Huntsville, Ala. Filed June 20, 1923. Serial No. 646,668. 3 Claims. (Cl. 19—189.)



1. A guard for a drawing frame having drawing rolls for operating on a cotton sliver and a cleaner for the rolls, the said guard being joined to the frame and extending toward the rolls with its edge closely adjacent the leading in roll beneath the cleaner to close the opening between the roll and the frame thereby to prevent the sliver from coming in contact with the cleaner.

1,481,841. SWITCH. BERTRAND G. JAMIESON, Hollywood, Ill., assignor, by mesne assignments, to General Electric Company, a Corporation of New York. Filed June 12, 1920. Serial No. 388,567. 20 Claims. (Cl. 200—50.)

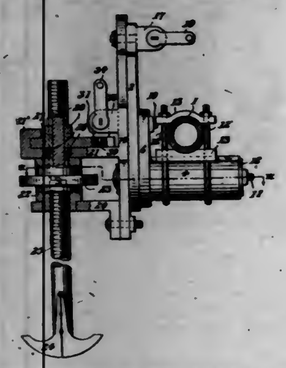


1. A circuit breaking apparatus of the character described comprising an oil switch mechanism, a visible air break switch mechanism automatically opened upon opening of said oil switch mechanism, said switch mechanisms being serially included in the same circuit, means for operating said oil switch mechanism, and means for operating said air break switch mechanism comprising a pair of contact members mounted for movement in opposite directions.

1,481,842. CULTIVATOR. JOE JEMELKA, Moulton, Tex. Filed Dec. 22, 1921. Serial No. 524,074. 3 Claims. (Cl. 97—197.)

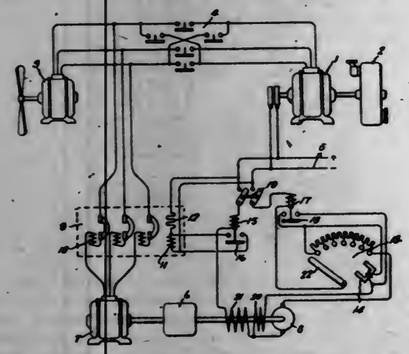
1. Adjustable mechanism for a cultivator plow shaft including a bracket plate fixed to a cultivator frame bar, a perpendicular plate pivotally associated with the bracket plate, manually operable means for pivotally moving said plate, said means comprising laterally extending spaced bearing members carried by the upper end of said bracket plate, the said bracket plate having a transverse slot positioned between said bearing members, a screw having an operating handle journaled in said bearing members, and a screw block pivotally carried by

said perpendicular plate and extending through the transverse slot for engaging said screw to pivotally move said perpendicular plate, spaced lateral arms carried by said plate, a cultivator standard extending through said arms, an adjusting nut on said standard positioned between said arms for vertically shifting the same, co-



operating means carried by said standard and plate to prevent rotation of the standard during vertical adjustment, said cooperating means including a disk nut interlocked with said standard, and a block and screw for shifting the disk nut for rotating the standard to change the position of the plow point.

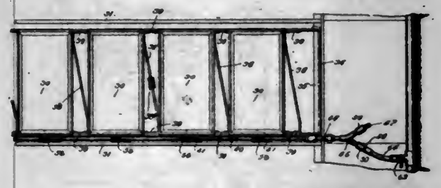
1,481,843. ELECTRIC-POWER SYSTEM. DENNIS E. JEWITT, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed June 1, 1921. Serial No. 474,121. 9 Claims. (Cl. 172—8.)



9. In an electric power system, a machine adapted to run at variable speeds, a plurality of motors each adapted to drive said machine, independent sources of supply for said motors, one of which is variable in character, and means responsive to the load on one of said motors for controlling the operation of another of the motors.

1,481,844. ART OF MANUFACTURING ICE. OTTO LUHR, Chicago, Ill., assignor to Luhr & Friedl, Chicago, Ill., a Partnership Firm composed of said Otto Luhr and Herman Friedl. Filed July 11, 1921. Serial No. 483,938. 18 Claims. (Cl. 62—159.)

8. A can in which ice is to be formed, provided with an air-pipe connected at its upper end with the upper end of the can and at its lower end connected with the lower end of the can and opening into the latter, and straps on the can through which said pipe guidingly extends, said pipe being formed with a relatively flexible section disposed in deflected condition in the contracted condition of the can and moving toward straight condition in the expanding of the can.

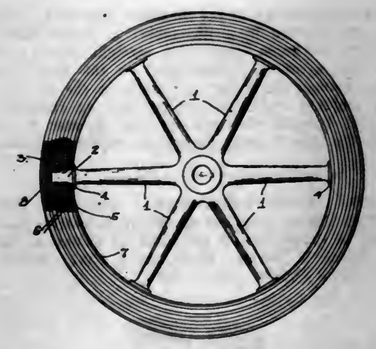


14. In ice-making apparatus, the combination of a refrigerating tank, a series of batteries of cans, the cans of each battery being operatively connected together and removable from, and replaceable in, said tank, as a unit, a system of air-pipes carried by each of said batteries and through which air is supplied to the interiors of the cans thereof, said systems of air-pipes being movable with the respective batteries in the transporting of said batteries, each of said systems of air-pipes being provided with a plurality of attaching portions for communication with other pipes, means releasably connecting one of said attaching portions of each of said systems to a source of air under pressure, and a flexible hose leading from a source of air under pressure and adapted for successive attachment to the others of said portions of said systems of air pipes, in succession.

1,481,845. TREATMENT OF NONSATURATED ORGANIC ACIDS. JACOB LUND and HERMANN HAUSAMANN, Fredrikstad, Norway, assignors to De Nordiske Fabriker, Christiania, Norway. Filed Mar. 19, 1920. Serial No. 367,249. 15 Claims. (Cl. 87—12.)

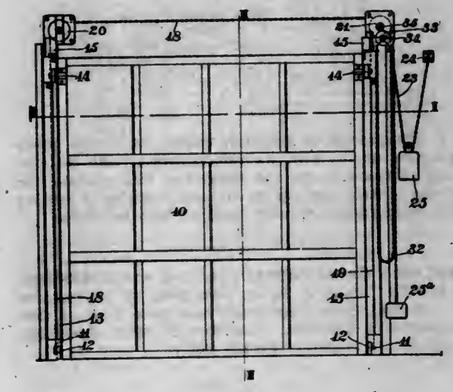
1. The process herein described which consists in purifying unsaturated fatty acids, converting the purified fatty acids into alkali salts, and heating said salts to a temperature of from about 200° to 215° C.

1,481,846. STEERING WHEEL AND METHOD OF MAKING SAME. WILLIAM B. MCALLISTER, Cleveland, Ohio. Filed Feb. 11, 1920. Serial No. 357,936. 3 Claims. (Cl. 74—33.)



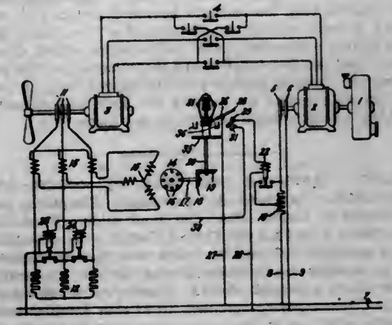
1. A steering wheel comprising a central spider having radial arms, a laterally projecting flange formed on each of said arms and spaced from the ends thereof, and a laminated wooden rim mounted upon said spider, each of the inner laminations of said rim being provided with a series of spaced aligned openings fitting over the ends of said arms outwardly of said flanges.

1,481,847. DOOR AND THE LIKE. EDWARD H. MCCLOUD, Columbus, Ohio, assignor, by mesne assignments, to The Kinnear Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 8, 1918. Serial No. 261,602. 2 Claims. (Cl. 20—19.)



1. In combination with a door, means for raising the same and deflecting it at its upper end when raised, means upon which a portion of the weight of the door is supported when so deflected, counterbalancing means for said door including a main weight, and a supplemental weight of smaller gravity than the main weight, flexible means through which the supplemental weight acts on the door, flexible means connected with the door and a fixed point and provided with a hanging loop supporting therein said main weight and a support for the supplemental weight when the door is in deflected position.

1,481,848. ELECTRIC POWER SYSTEM. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,246. 6 Claims. (Cl. 172—8.)

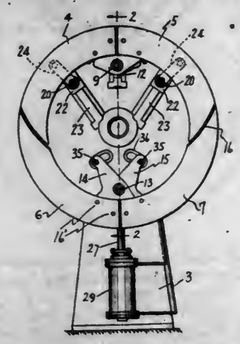


1. An electric power system wherein an alternating current generator is arranged to supply power to a load motor adapted to operate with a plurality of torque characteristics, characterized by the fact that a centrifugally operated device is provided for controlling the torque characteristics of said motor in response to one predetermined value of motor slip frequency and for controlling the excitation of said generator in response to a different value of motor slip frequency.

1,481,849. METHOD FOR PRESERVING ALREADY PARTLY POLYMERIZED FORMALDEHYDE. LUDVIG AUGUST MEYER, Copenhagen, Denmark, assignor to the Firm of International Chemical Company, Copenhagen, Denmark. Filed Dec. 31, 1921. Serial No. 526,317. 3 Claims. (Cl. 23—29.)

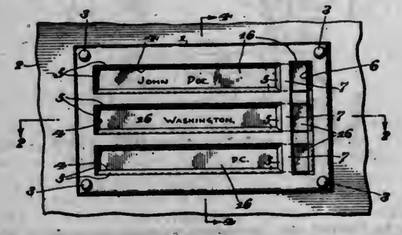
3. The method of preserving formaldehyde, which consists in adding to it a solution which will render soluble in water any paraformaldehyde already formed and will prevent the further formation thereof; substantially as described.

1,481,850. CONTRACTIBLE TIRE-BUILDING FORMER. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1922. Serial No. 589,669. 10 Claims. (Cl. 154—9.)



5. A tire building support of the character described comprising in combination a complete tire core of four approximately equal sections, an arm pinned to each section and pivotally mounted on the support, the arms for one pair of sections arranged diametrically opposite the arms of the other pair of sections, the abutting ends of each pair of sections remote from said arms lying in a circumference struck from one of the pivots on the support, and means on the support to swing one pair of sections together from said last named pivot, to swing the other pair when the ends of the first pair have cleared, and to move the first pair of sections towards the center of the core plane to cause the ends of the core sections to overlap to a greater degree.

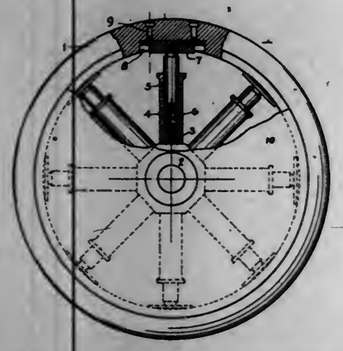
1,481,851. LABEL HOLDER. BENJAMIN LA PISH, Norwood, Pa., assignor to The Belber Trunk & Bag Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 26, 1922. Serial No. 608,888. 3 Claims. (Cl. 40—17.)



1. A label holder consisting of a plate having one or more slots therein adapted for the reception of a label or labels and having means for supporting a label or labels in rear of said slot or slots and having a slot extending substantially at right angles to said first

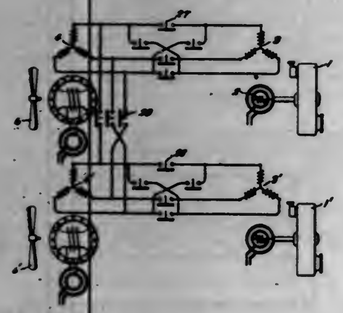
named slot or slots and spaced therefrom, and said plate also having a cut-out portion upon its under side adjacent the upper edge of said second named slot forming an overhanging lip under which an end or ends of said label or labels projects or project, substantially as described.

1,481,852. RESILIENT WHEEL FOR VEHICLES. VICENTE LAZARO and BERNARDINO LAZARO, Buenos Aires, Argentina. Filed Sept. 19, 1922. Serial No. 589,084. 2 Claims. (Cl. 152—48.)



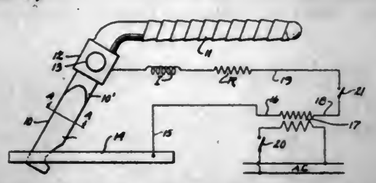
2. A resilient wheel, comprising, in combination, a hub, a rim, a plurality of spokes connecting said hub and rim, each of said spokes comprising a pair of telescoping members, one secured rigidly to the hub, the other having secured at its outer end a plate extending at right angles thereto, and a plurality of plates secured in said rim, one for each of said spokes, said rim plates each having a guideway for the reception of the spoke plates, the formation of said guideway being such as to prevent radial movement of the spokes relatively to the rim, the length of the guideway being such as to permit the spoke plates to move tangentially of said rim.

1,481,853. ELECTRIC SHIP PROPULSION. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Feb. 16, 1920, Serial No. 358,973. Divided and this application filed Sept. 12 1921. Serial No. 500,025. 6 Claims. (Cl. 172—8.)



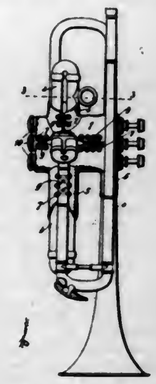
1. An electric ship propulsion system comprising a plurality of propellers and a synchronous motor arranged to drive each propeller, characterized by the fact that connections are provided whereby the motors may be connected together with reversed phase rotation and excited to operate as generators to break the propellers from the water and bring them to standstill.

1,481,854. ELECTRICAL CUTTING OF METALS. PERCY A. E. ARMSTRONG, Loudonville, N. Y. Filed July 5, 1921. Serial No. 482,521. 17 Claims. (Cl. 219—8.)



1. The process of electrical cutting of metals which comprises cutting with low voltage current with the electrode in contact with the metal and slag whereby the cutting is done partially by arc and partially by melting by current passage through localized high resistance.

1,481,855. HAND PROTECTOR FOR WIND INSTRUMENTS. HANS J. BACH, New York, N. Y., assignor to Vincent Bach Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,403. 4 Claims. (Cl. 84—387.)

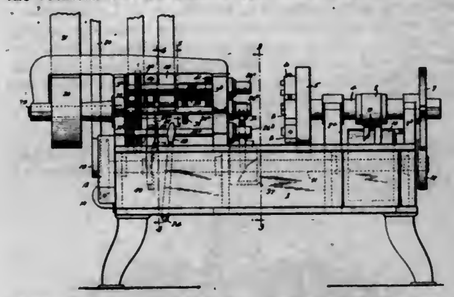


3. A flexible hand grip and cover for cornets or similarly shaped wind instruments having a piston box, comprising a body portion which encircles the piston box, three sleeves connected to said body portion which sleeves encircle the two end tubes of the instrument and the part of the bell portion adjacent to the piston box, in combination with means for holding the body and sleeves in operative relation, substantially as set forth.

1,481,856. MACHINE FOR MAKING COCKS AND FAUCETS. CHARLES M. CAMPBELL, Cleveland, and WILLIAM H. SMITH, East Cleveland, Ohio. Filed Nov. 20, 1920. Serial No. 425,524. 2 Claims. (Cl. 10—132.)

1. A machine for making cocks and faucets comprising, in combination, a plate having thereon a plurality of circularly arranged chucks, a plurality of circularly arranged, tool-carrying spindles, all of said spindles being rotatable and one of the same being also longitudinally slidable, a thread cutting tool carried by said last mentioned spindle, means for rotating said plate in an intermittent manner, means for advancing it longitudinally toward said spindles in the intervals of its rotation so as to bring the articles held in said chucks into engagement with those tools which have rotational movement only, said last means being arranged to provide a period of dwell when said plate has reached its point of maximum advance, means operative during such period of dwell to rotate said slidable spindle and simultaneously

to advance it toward said plate at a rate equal to the pitch of the thread cut by its tool, means for stopping the rotation and advance of said slidable spindle at the



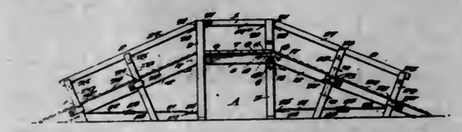
same instant, and means for reversing the rotation of said slidable spindle and screwing said tool out of the article during such period of dwell, and means for thereafter retracting said plate.

1,481,857. CUE. ARTHUR F. CARLSON, Minneapolis, Minn., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 29, 1920. Serial No. 369,771. 1 Claim. (Cl. 46—9.)



A billiard cue having a socket in its butt end, a hollow bushing tightly forced into said socket and having a plurality of burrs on its exterior surface to engage the wall of said socket for permanently securing the bushing therein, and a resilient bumper having a shank tightly fitted in said bushing and having a head formed integrally with the shank and engaging the end of the cue butt.

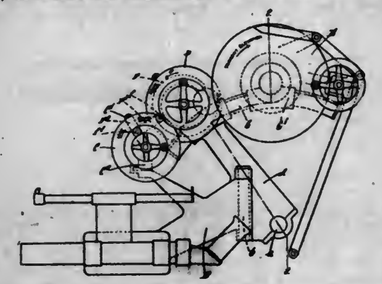
1,481,858. GRAVEL LOADER. WILLIAM H. CURL, Fair Play, Mo. Filed Oct. 7, 1922. Serial No. 593,010. 6 Claims. (Cl. 214—1.)



1. In an apparatus of the class described, the combination of a central section provided with end beams, a pair of approach sections assembled with said central section, each approach section including a plurality of floor beams, each floor beam having its upper end cut at an angle and provided with a notch contiguous to the upper end, said notch provided with an upper edge resting snugly upon a beam of the central section, a rod extending across all of said floor beams, a plurality of hooks on said rod and having their outer ends fastened to the central section, and a floor upon the floor beams.

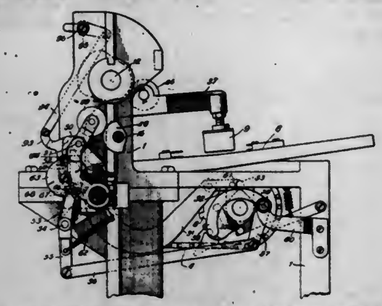
1,481,859. ORDNANCE-SIGHTING APPARATUS. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, assignors to Vickers Limited, Westminster, London, England. Filed May 15, 1922. Serial No. 561,041. 8 Claims. (Cl. 33—48.)

1. In an ordnance sighting apparatus comprising sight, a sight support and sight moving means the improvement which comprises in combination a lateral deflection gear for displacing the sight to compensate for the speed of the target in a direction at right angles to the line of sight, of means for imparting lateral adjustment to the



sight through the intermediary of said lateral deflection gear to effect the correct compensation for drift deviation in accordance with the angle of tangent elevation.

1,481,860. PRINTING MACHINE. JOSEPH S. DUNCAN, Chicago, Ill. Filed Aug. 29, 1921. Serial No. 496,197. 51 Claims. (Cl. 101—57.)



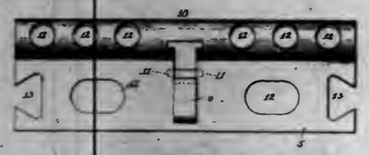
1. In a printing machine, a plurality of printing devices, means for feeding said printing devices, a platen, means to select certain printing devices to be printed and others to be skipped, means to prevent a portion of a printing device from printing, and selector means to control said last named means.

1,481,861. ORTHODONTIC APPLIANCE. RALPH W. EATON, Rochester, N. Y. Filed Apr. 5, 1922. Serial No. 549,759. 5 Claims. (Cl. 32—19.)



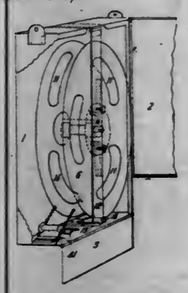
1. The combination with a regulating wire and an anchoring member, of an interlocking connection between the anchoring member and the regulating member embodying a transverse abutment carried by the regulating wire in spaced relation to one end of the latter, an abutment carried by the anchoring member, and engaging with said transverse abutment on the regulating wire, and means providing an opening through which the portion of the regulating wire beyond said abutment may be passed, the portion of the regulating wire on the inner side of the abutment being free of the anchoring member so that wire may be deflected laterally to disengage the two abutments.

1,481,862. BRAKE SHOE. JOHN H. EISENBEISS, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 30, 1923. Serial No. 615,804. 5 Claims. (Cl. 188—258.)



5. A brake shoe comprising a body and a reinforce back connected to the body, said back being formed of a single sheet of metal and having a transverse section cut and bent therefrom to form the attaching lug of the shoe, said section being integrally connected with the back at one end and having lateral projections at its other end engaged with the underside of the back, the body metal being extended up at the sides of the lug to reinforce and strengthen the same.

1,481,863. CINEMATOGRAPH SPOOL AND SPOOL BOX. LANCELOT RUSSELL FREW, East Brisbane, Queensland, Australia. Filed July 27, 1921. Serial No. 487,953. 4 Claims. (Cl. 242—71.)



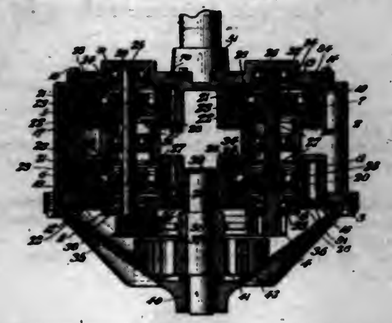
1. Improvements in cinematograph apparatus, comprising, in combination, a spool box provided with hinged flap doors, a vertical metal bar hinged to the top of said spool box, a spool, a revolving sub on which said spool is disposed, and means for supporting said spool at both ends thereof, one end of the spindle for holding the spool being supported by one side of the spool box and the other end by the vertical metal bar hinged to the top of the spool box, permitting the door of same to swing freely.

1,481,864. ADVERTISING MEANS. EDWIN I. GOLDING, New York, N. Y. Filed Jan. 27, 1921. Serial No. 440,469. 2 Claims. (Cl. 206—50.)



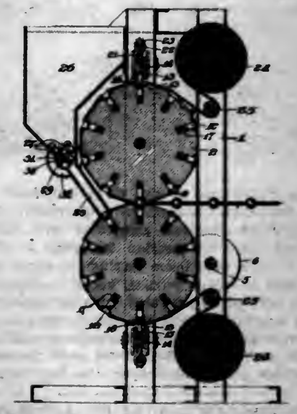
1. In combination with an article of merchandise of a textile character having a selvage and intended to be subdivided into smaller portions for purposes of sale, and having indicia irremovably associated with said selvage and repeated at intervals, said indicia being of a character to indicate the one to whom the goods are to be delivered for purposes of sale, and when so delivered to thereafter indicate to purchasers of all or of parts thereof, the one from whom the merchandise was purchased, of a receptacle or retainer for said merchandise having a window or opening arranged to expose portion of said selvage to view the opening and the indicia being so proportioned and positioned relatively to each other that a complete indicia will at all times be in registry with the opening.

1,481,865. ROTARY ENGINE. CHARLES H. HASSELER, Philadelphia, Pa. Filed June 25, 1919. Serial No. 306,533. 7 Claims. (Cl. 121—34.)



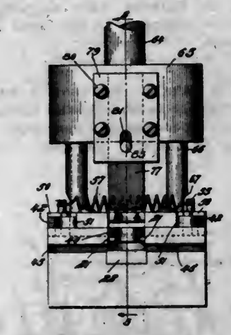
1. A rotary engine adapted to be manually supported, comprising a piston casing having on opposite sides of its vertical axis sets of piston chambers, each set having superimposed piston chambers, a rotary piston in each piston chamber, shafts common to the pistons of a set and disposed in parallelism with said vertical axis, a driven member intergeared with said shafts, and fluid actuated means automatically controlled by said pistons to progressively admit motive fluid into said piston chambers to drive their respective pistons.

1,481,866. METHOD OF AND APPARATUS FOR COVERING CORES. STUART H. HEIST, Penllyn, Pa., assignor to Penn Rubber Products Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 10, 1921. Serial No. 514,240. 10 Claims. (Cl. 18—19.)



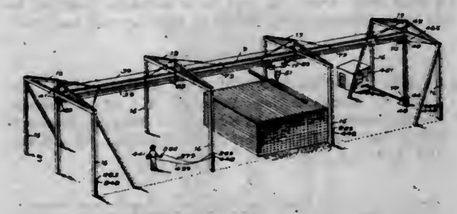
1. The method of covering cores, which consists in seating plastic stock in complementary mold cavities, of rotatable molds to form cover sections by means of a preponderance of pressure mechanically applied to the stock, placing a core in the cover section of one mold cavity and rotating the molds to cause the cover section to be secured around the core.

1,481,867. STAPLING MACHINE. HARRY R. HOLBROOK, Attleboro, Mass. Filed Feb. 8, 1922. Serial No. 534,867. 10 Claims. (Cl. 1—2.)



1. In a machine of the character described, a plunger, a punch on the plunger, a depending bending die carried by the plunger, a receiving die, a cutter plate in the receiving die engageable with the punch, and a formed plate slidably mounted in the receiving die in the path of the punch.

1,481,868. CONVEYER APPARATUS. FRANK P. HUCKINS, Newton, Mass. Filed Apr. 30, 1923. Serial No. 635,569. 34 Claims. (Cl. 212—98.)

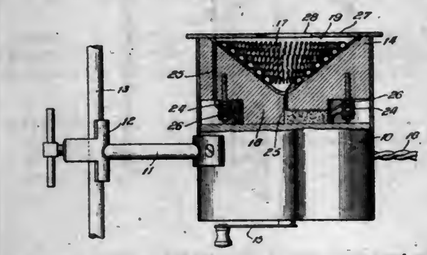


1. Conveying apparatus, comprising, in combination, an overhead support, a carrier movable along the support, a stationary electric motor mounted on the ground, a drum driven by the motor, a cable for transmitting movement from the drum to the carrier, guides for the cable, an electric circuit for said motor, and a flexible cord including a portion of said circuit and having a portable handle provided with switch means adapted to be carried and actuated by the operator on the ground, said switch means having provision for controlling the starting, stopping and direction of rotation of the motor.

15. Apparatus of the character described, comprising, in combination, a support, a hoisting device on the support, an electric motor, a drum driven by the motor, a cable extending from the drum to the hoisting device, an electric circuit for the motor, limiting switches in said circuit, and means for automatically opening one or the other of said switches when the hoisting device has been moved a predetermined distance, thereby to interrupt the circuit and arrest the motor.

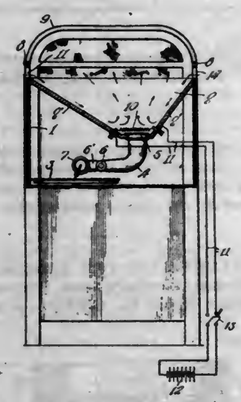
19. Apparatus of the character described, comprising, in combination, a support, a carrier movable along the support, means including a stationary electric motor, a drum and a cable for causing the carrier to travel along the support, a brake for the motor and drum, spring means for applying the brake, and means for releasing the brake including a solenoid having a coil connected into the motor circuit, that the solenoid may be energized and release the brake when the circuit is completed for starting the motor.

1,481,869. ELECTRIC HEATER. PAUL E. KLOPSTEG, Homewood, and CARL S. HORNBERGER and WILLARD H. FARR, Chicago, Ill., assignors to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 19, 1921. Serial No. 516,300. 18 Claims. (Cl. 219—19.)



1. In an electric heater, a heating unit comprising a base of insulating material having an upwardly diverging chamber therein, a heating coil in said chamber, and cement securing the coil to the wall of said chamber and covering a small portion only of the coil.

1,481,870. PHONOGRAPH. WALTER F. LUHNOW, Oak Park, Ill. Filed Jan. 5, 1920. Serial No. 349,443. 1 Claim. (Cl. 274—1.)

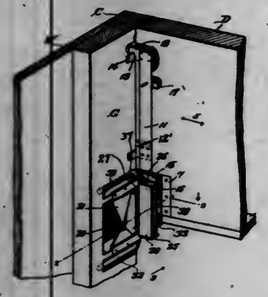


In combination, a sound amplifying chamber having upwardly flaring walls and provided with two adjacently disposed inlet apertures at substantially its lowermost part, sound producing means communicating with one of said apertures and a heat generator disposed across the face of the other in non-obstructive relation adapted to produce an upward current of air from the latter aperture, the upper part of said chamber being adapted to permit discharge of the ascending air.

1,481,871. ELEVATOR SAFETY DEVICE. CHARLES H. MILLER, Lineville, Iowa. Filed Apr. 8, 1922. Serial No. 550,601. 11 Claims. (Cl. 187—61.)

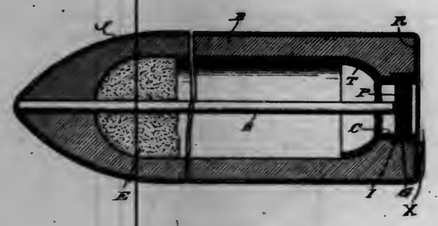
9. In an elevator safety device, the combination with a door at each landing, a latch thereon for engaging a keeper, an upright latch bar having a hook, and a wear plate on the door; of a cam plate hinged in the well

wall at each landing and having a hook for engaging that on the latch bar, a U-shaped car lock also hinged



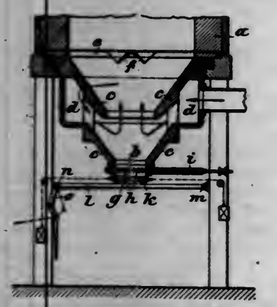
in the well wall at each landing and having a lever for engagement by said wear plate, and means for swinging said cam and car lock normally into the path of the car.

1,481,872. PROJECTILE. CHARLES H. MILLER, Lineville, Iowa. Filed May 24, 1923. Serial No. 641,078. 11 Claims. (Cl. 102—12.)



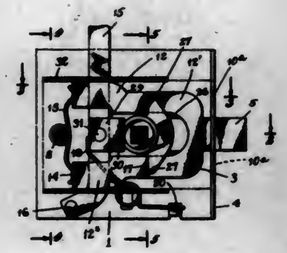
1. A projectile comprising a cupped bullet, an anvil fixed along its axis, an explosive charge surrounding the anvil, a wad closing the open rear end of the bullet, and a primer carried by the wad in juxtaposition to the anvil.

1,481,873. CHAMBER FOR DRY COOLING OF COKE. ARNOLD MOSTINI, Oberwinterthur, Switzerland. Filed Dec. 28, 1921. Serial No. 525,519. 3 Claims. (Cl. 202—11.)



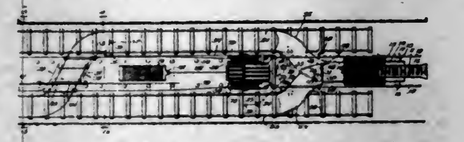
3. In a chamber for dry cooling of coke by means of a current of inert gases passing in a cycle over a heat exchanging device the combination of a bottom part consisting of two hoppers arranged in the same axis, the lower hopper being provided with a discharging device, with a space provided between the hoppers, from which the cooling gas is forced through the coke, a checking member in said chamber preventing the central portion of the coke from dropping faster than the remaining part of the coke in the chamber when partially discharged, whereby premature discharge of the upper layers of hot coke is prevented.

1,481,874. DOOR LATCH. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 7, 1922. Serial No. 550,276. 4 Claims. (Cl. 292—169.)



1. In a door latch, the combination of a plate, a spring-actuated bolt slidably mounted thereon, a pivoted lever adapted to retract the bolt, a handle stem adapted independentendently to retract the bolt, and means operatively engaged by said stem and operated thereby to retract the bolt, said means engaging said bolt and engaging said lever when the bolt is in actuated position, to hold said stem and lever firmly in their normal positions.

1,481,875. MINING SYSTEM AND APPARATUS. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Dec. 23, 1919. Serial No. 346,902. 52 Claims. (Cl. 262—1.)

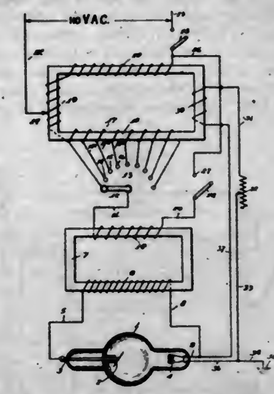


1. In a system of mining, the combination with a mine track, of roof-propping mechanism comprising a series of individual roof props arranged in lateral alinement transversely of the rear end of said track, and mining and loading mechanism for mining material from a pillar between said mine track and a worked-out space in the mine and delivering the mined material to mine cars on such track.

1,481,876. AUTOTRANSFORMER WITH HEATING COILS. ARTHUR MUTSCHELLER and CHARLES FAYER, New York, N. Y., assignors to Wappler Electric Company, Inc., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,233. 4 Claims. (Cl. 250—39.)

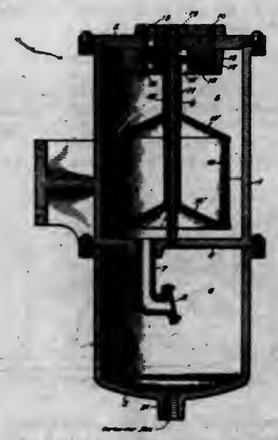
1. The combination of a vacuum tube provided with a glower cathode to be energized by electric currents, a high tension transformer connected with said vacuum tube for the purpose of sending the main discharge therethrough, a second transformer connected with said high tension transformer for controlling said high tension transformer and for energizing the same, said second

transformer being so proportioned that the core thereof is magnetized to saturation whenever said second trans-



former is magnetized to any degree, a heating coil carried by said second transformer and energized thereby, and connections from said heating coil to said glower cathode.

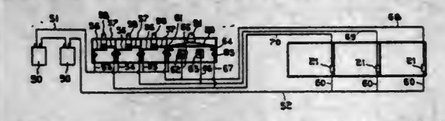
1,481,877. VACUUM FEED SYSTEM. GUSTAVE C. NELSON, Moline, Ill., assignor to The Borg & Beck Company, Moline, Ill., a Corporation of Illinois. Filed July 19, 1920. Serial No. 397,394. 12 Claims. (Cl. 158—36.)



6. In a vacuum feed system, a tank having a liquid fuel receiving chamber and a feed chamber, a valved communication between said chambers, a vacuum producing connection to said receiving chamber, a float operated cut-off disk adapted to close said connection, and vacuum means operating upon said disk to temporarily restrain the movement thereof against the buoyant action of the liquid in the receiving chamber whereby a quick "kick-over" of the disk is provided when said means is released.

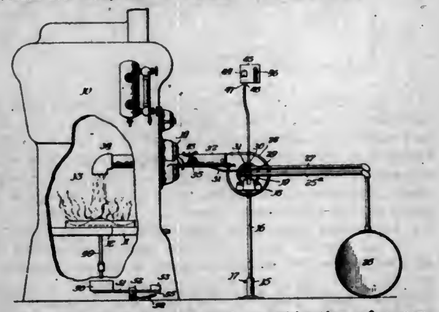
1,481,878. LOCKER AND MEANS FOR LOCKING AND RELEASING THE SAME. EDWARD B. PALMER, Montreal, Quebec, Canada. Filed May 13, 1922. Serial No. 560,685. 3 Claims. (Cl. 70—50.)

1. The combination with a plurality of groups of metal receptacles of the class described each receptacle having a door opening and a door for closing said opening; of independent mechanisms for locking the doors of the groups in closed position and an electrical means for



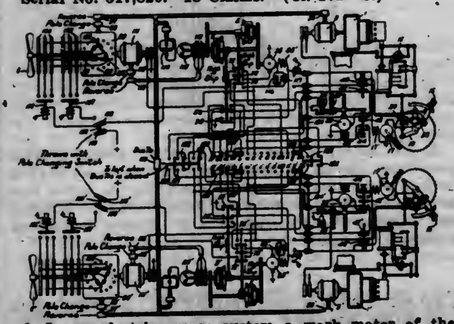
releasing the locking mechanism of one group independently of the other groups; means for simultaneously releasing the locking mechanisms of all the groups.

1,481,879. OIL-BURNING APPARATUS. JOHN E. PFEIFER, Chicago, Ill., assignor, by mesne assignments, to M. W. Woolsey, Chicago, Ill. Filed Aug. 26, 1921. Serial No. 495,672. 7 Claims. (Cl. 158—28.)



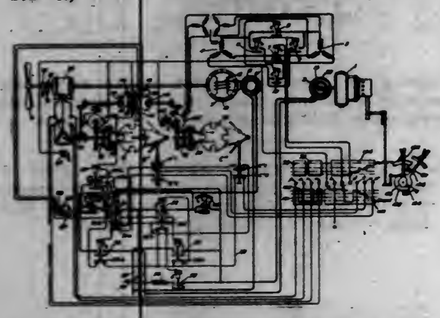
1. In a liquid fuel burner, the combination of a centrally arranged rotary motor having a driving shaft extending from each side thereof, an air pump directly connected to one end of said shaft, a rotary fuel pump directly connected to the other end of said shaft, a combustion pipe connected to said air pump and extending into the combustion chamber of the furnace, a fuel supply pipe leading to said combustion pipe and discharging its contents into said pipe, a fuel discharge nozzle in said combustion pipe intermediate the ends thereof whereby fuel is discharged into air forced through the said combustion pipe by the blower, and a fuel ignition means in said combustion pipe.

1,481,880. ELECTRIC SHIP PROPULSION. DAVID C. PRINCE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Refiled for abandoned application Serial No. 499,507, filed Sept. 9, 1921. This application filed Feb. 8, 1923. Serial No. 617,820. 13 Claims. (Cl. 172—8.)



1. In an electric power system a work motor of the induction type, an alternating current generator adapted to supply current to said motor and differential mechanism arranged to control the slip of said motor comprising means connected to run at a speed proportional to slip and means arranged to run at a fixed speed.

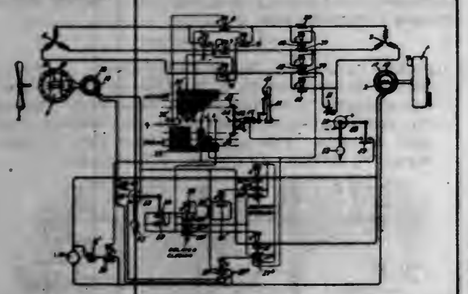
1,481,881. ELECTRIC SHIP PROPULSION. DAVID C. PRINCE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 15, 1920. Serial No. 365,762. 15 Claims. (Cl. 172—8.)



1. An electric ship propulsion system comprising an alternating current motor arranged to drive a propeller and adapted to operate with a plurality of torque characteristics, a generator arranged to supply current to operate said motor, a device adapted to operate at a constant speed and means dependent upon the interrelation of motor speed, synchronous speed and said constant speed for controlling the torque characteristic of the motor.

12. An electric ship propulsion system comprising an alternating current motor arranged to drive a propeller, a generator for supplying current to operate said motor, adjustable speed means for driving said generator and differentially operating mechanism arranged to produce a regulating effect varying with changes in motor load cooperating in the system to maintain the motor within a stable range of operation.

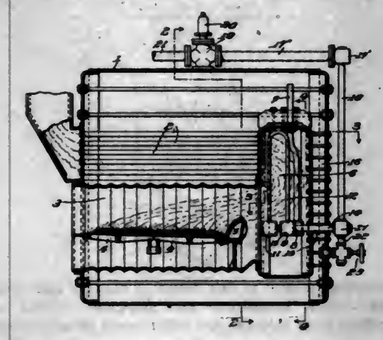
1,481,882. ELECTRIC SHIP PROPULSION. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1920. Serial No. 358,973. 14 Claims. (Cl. 172—8.)



1. The method of operating an electric system for ship propulsion wherein a propeller is driven by an alternating current motor which comprises operating the motor as a generator to supply current to the generator for breaking the propeller from the water and bringing it approximately to standstill.

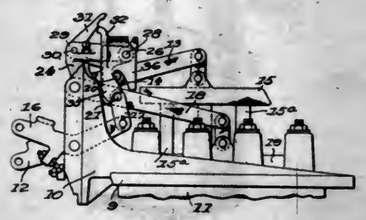
1,481,883. STEAM-SUPERHEATING SYSTEM FOR MARINE BOILERS. JOHN P. BADENHAUSEN, Philadelphia, Pa. Filed Mar. 25, 1919. Serial No. 285,028. 3 Claims. (Cl. 122—469.)

1. In a steam generating system comprising a boiler having fire tubes, a fire box, a bridge, a combustion chamber, a water leg, and a crown sheet at the upper end of said combustion chamber, the combination of a header located in said combustion chamber parallel and close to, and just below the top of said bridge, a second header provided with two chambers and arranged close and parallel to said first header, a conduit leading from the steam space in said boiler directly through said crown sheet to one of said compartments of said second header, a series of tubes extending from said compartment upwardly in said combustion chamber to a point close to



said crown sheet and thence downwardly past the open ends of said fire tubes to said first header, a second series of tubes leading from said first header upwardly past the open ends of said fire tubes to a point near said crown sheet and thence downwardly to the second compartment of said second header and a conduit leading from said second compartment rearwardly through the said water leg to the rear of the boiler and thence to the point of consumption.

1,481,884. CIRCUIT-INTERRUPTER INTERLOCK. ANDREW H. BAKKEN, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,556. 12 Claims. (Cl. 78—83.)

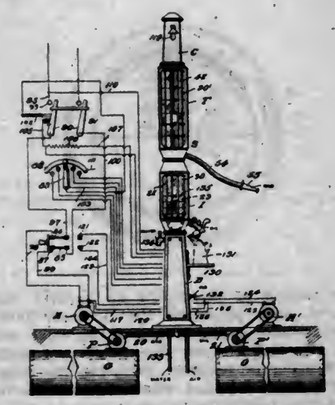


10. The combination with two reciprocably movable switch members, of means for preventing the advancement of one member except at substantially the instant that the other member has reached a retracting position.

1,481,885. LIQUID-DISPENSING APPARATUS. MERRILL A. BEACH, Penn Yan, N. Y. Filed July 7, 1920. Serial No. 394,408. 15 Claims. (Cl. 221—100.)

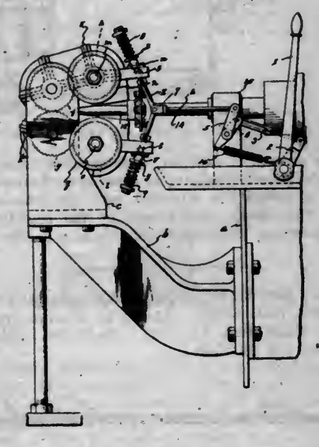
1. A liquid dispensing apparatus comprising a measuring receptacle, a reservoir, a pump for filling said measuring receptacle from said reservoir, means mounted within said measuring receptacle and co-operating with said pump for automatically rendering said pump inactive when a predetermined amount of liquid has entered said measuring receptacle, a variable control switch remotely located with respect to said measuring receptacle and co-acting with said means for regulating the amount of liquid entering said measuring receptacle, and means for automatically draining said measuring receptacle.

2. A liquid dispensing apparatus comprising a measuring receptacle, a reservoir, a pump, an electrical mechanism for rendering said pump active, a variable switch cooperating with said electrical mechanism and con-



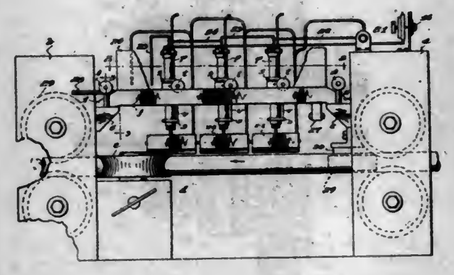
trolling the delivery of liquid by the pump, and means associated with said measuring receptacle and also associated with said electrical mechanism and variable switch for rendering said pump inactive when a predetermined amount of liquid enters said measurin greceptacle.

1,481,886. MACHINE FOR FEEDING TUBING. RICHARD O. BERG, Detroit, Mich., assignor to Michigan Steel Tube Products Company, Detroit, Mich., a Corporation of Michigan. Filed July 19, 1922. Serial No. 576,031. 4 Claims. (Cl. 164—61.)



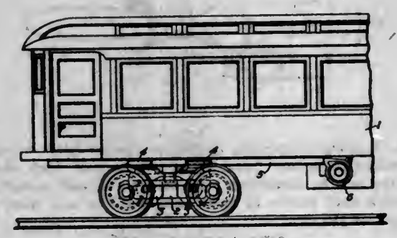
1. In a machine for feeding tubing, the combination of a support, a pair of driving gears, a pair of members supported on the support and one of which is a cradle, supported to rock on the axis of one of the driving gears, a pair of driven gears meshing with the driving gears and rotatably supported on the ends of the said members, feeding rolls coaxially supported with said driven gears on said members, and means for forcing the members toward each other to grip the tube.

1,481,887. METHOD OF WELDING TUBES. RICHARD O. BERG and SIMON BERG, Detroit, Mich., assignors to Michigan Steel Tube Products Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 13, 1922. Serial No. No. 587,863. 13 Claims. (Cl. 113—112.)



1. A method for welding tube comprising the moving of the tube longitudinally and directing against the seam of the tube a relatively large number of oxy-acetylene flame jets divided into groups each with a purality of flame jets, and separately controlling each group.

1,481,888. AIR CONDUCTOR FOR RAILWAY MOTORS. ANDREW H. CANDEE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 7, 1920. Serial No. 372,022. 7 Claims. (Cl. 105—59.)

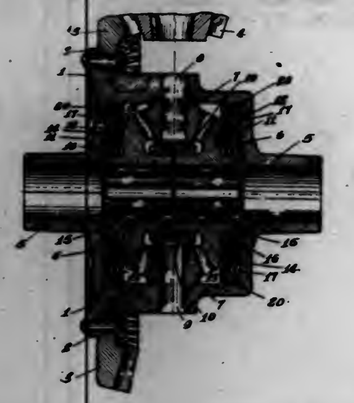


1. The combination with a dynamo-electric machine mounted on a car, and a source of air for supplying said dynamo-electric machine, of a flexible conductor made of pliable material connected to said dynamo-electric machine and to said source and provided with means for maintaining the shape of said conductor substantially uniform when inflated.

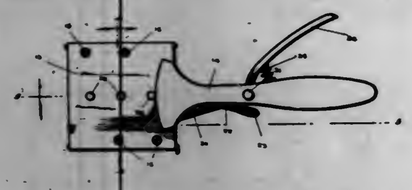
1,481,889. DIFFERENTIAL GEARING. GEORGE C. CARNART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 23, 1918. Serial No. 224,183. 2 Claims. (Cl. 74—100.)

1. A differential gearing including a casing, and intermeshing gears in the casing, one of said gears being shiftable axially during relative rotation of the gears, the axially movable gear being provided with external spur gear teeth, a ring fitted in the casing and having internal spur gear teeth opposed to said external spur gear teeth, and interleaved disks between the axially shiftable gear and the opposing face of the casing, one set of disks hav-

ing internal gear teeth interlocked with the spur gear teeth of the axially movable gear and the other set of disks having external spur gear teeth interlocked with the internal spur gar teeth of said ring, substantially as and for the purpose described.



1,481,890. DIPPER OR SCOOP. GUY M. CAUSEY, Salem, Oreg. Filed June 4, 1923. Serial No. 643,309. 4 Claims. (Cl. 107—48.)



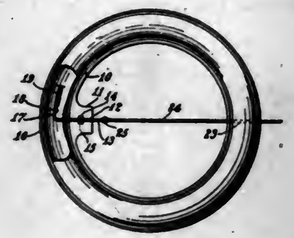
3. A scoop comprising a rim, an ejector plate movable in said rim to and from the mouth thereof, rock shafts having cranks connected with said plate, and means for rocking said shafts to move said plate to and from the mouth of the rim.

1,481,891. ROTARY TOOTHBRUSH. JAMES R. CRUIKSHANK, Vancouver, British Columbia, Canada. Filed Apr. 15, 1922. Serial No. 553,067. 1 Claim. (Cl. 15—26.)



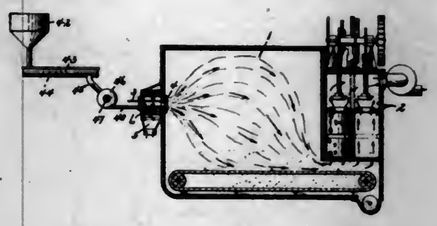
A rotary tooth brush comprising, in combination, a stationary sleeve, a socketed member rotatably mounted in said sleeve, a spirally grooved rod to the outer end of which said socketed member is secured, a cylindrical handle within which the inner end of the rod extends, a nut rotatably mounted on said rod within the handle grooved correspondingly to the rod groove, means for detachably connecting the nut to the handle whereby lateral movement of the handle causes rotation of the rod, and a stem removably mounted in the socket of the socketed member provided at its free end with a rotary brush.

1,481,892. METHOD AND APPARATUS FOR VULCANIZING ANNULAR TUBES. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 13, 1922. Serial No. 536,172. 7 Claims. (Cl. 18—56.)



3. The method of vulcanizing an annular inflatable article such as a pneumatic tire or inner tube, said method comprising enclosing the inflating-valve casing in the tube, attaching a supply-pipe thereto and positioning the valve-casing tangentially, enclosing the tube in a vulcanizing mold, injecting steam tangentially through said valve casing until the tube is vulcanized, and finally fixing the valve casing radially in the tube wall.

1,481,893. DESICCATING PROCESS. RAPHAEL S. FLEMING, Syracuse, N. Y., assignor to Merrell-Soule Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 24, 1922. Serial No. 538,922. 6 Claims. (Cl. 99—5.)



1. The process of desiccation comprising introducing a liquid in atomized form into an atmosphere laden with the dust of a compatible material, and simultaneously vaporizing the liquid constituents of the combining substance to reduce the combined solids to a powder.

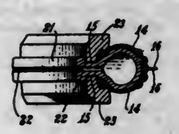
1,481,894. ARTICLE OF JEWELRY AND METHOD OF MAKING THE SAME. LESLIE H. FISHEL, New York, N. Y. Filed June 11, 1921. Serial No. 476,799. 6 Claims. (Cl. 29—148.)



1. An article of jewelry comprising a plurality of sections and a metallic tape passed through said sections, the tape being distorted at intervals whereby the sections are locked in an end to end relation.

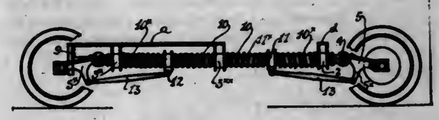
5. The method of producing articles of jewelry which consists in forming blanks, forming tape-receiving openings in the blanks, threading a metallic tape through said tape-receiving openings, and upsetting the tape at intervals whereby the said blanks are locked together.

1,481,895. METHOD AND APPARATUS FOR MAKING RUBBER ARTICLES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,305. 20 Claims. (Cl. 18—34.)



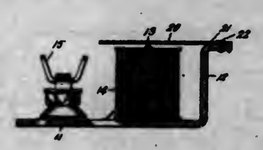
4. The method of making an article of fibrous material and rubber which comprises applying a thin metal wrapper to the article, heating the outer regions of said article through said wrapper, molding said article and said wrapper as a unit, and applying a heating fluid to said wrapper to vulcanize said article, said fluid being under such pressure as to prevent the swelling of said article from substantially deforming said wrapper.

1,481,896. SPRING SUSPENSION FOR MOTOR VEHICLES. HENRIK N. GARSON and THORVALD N. GARSON, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,794. 4 Claims. (Cl. 280—106.5.)



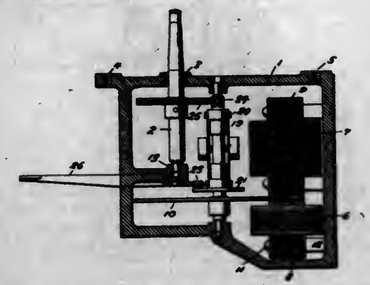
1. In a motor driven carriage a frame comprising longitudinal members and transverse connecting members, load-carrying springs horizontally guided upon said longitudinal members, front and rear axles, sleeves adapted to engage said springs, a series of rockers each having a ball and socket connection at one end with the frame and secured at the opposite end to an axle, and a link connecting each rocker with a sleeve.

1,481,897. BUZZER. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed July 6, 1921. Serial No. 482,817. 2 Claims. (Cl. 177—7.)



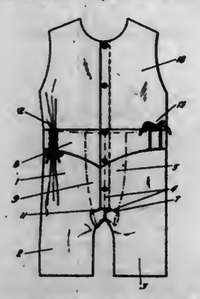
1. An electric signalling device of the alternating current buzzer type comprising a sheet metal stamping forming the base, terminal support and stationary magnetic circuit of the device, the stationary magnetic circuit of said device being in the form of a U made by bending spaced portions of said sheet metal stamping at right angles to the base, an energizing coil wound on one limb of said U and connected to terminals on said base, and a member of resilient magnetic material secured at one end to the upper end of one of said U limbs and extending adjacent the upper end of the other limb, thereby substantially completing the magnetic circuit, whereby the free portions of said resilient member is caused to vibrate against said other limb when the coil is energized.

1,481,898. ELECTRIC DRIVE FOR SOUND-REPRODUCING MACHINES. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Dec. 23, 1921. Serial No. 524,369. 2 Claims. (Cl. 172—36.)



1. An electric drive for phonographs comprising a dust-proof casing, a vertical record spindle rotatably supported in said casing extending through a bearing in the top thereof, a drive shaft rotatably mounted in said casing parallel to said vertical spindle, reduction gearing between said shaft and spindle located near the top of said casing, an induction disc rotor on said shaft located near the bottom of said casing and extending beyond the lower end of said spindle and a field member for driving said disc supported in said casing on the opposite side of said shaft from said spindle.

1,481,899. BIFURCATED GARMENT. FRED B. HAMBLIN, Columbus, Ohio. Filed Oct. 17, 1921. Serial No. 508,077. 3 Claims. (Cl. 2—144.)



1. A union undergarment having a permanently closed crotch and comprising a blouse portion, a pants portion, separated from the blouse portion across the back at the waist, a band at the waist extending across the back where it is separated from the blouse portion and connected to the pants portion, the band being secured substantially at the sides, said pants portion being substantially centrally divided at the seat from the crotch to said band to form an opening, an extension secured to one side of said opening, to the band at the waist and at its lower end to the front of the garment adjacent the crotch, a second overlapping extension similarly secured to the other edge of the opening, to the band at the waist and at its lower end to the front of the garment adjacent the crotch, and means at the waist line for circumferentially adjusting the band across the back to the waist.

1,481,900. CENTRIFUGALLY-ACTUATED SHORT-CIRCUITING DEVICE. NIELS HANSEN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1919. Serial No. 306,624. 5 Claims. (Cl. 172—279.)

1. In a dynamo-electric machine, the combination with an armature and a commutator cylinder mounted upon

a rotatable shaft, of a short-circuiting device for said commutator-cylinder comprising a movable contact plate, a support mounted on said shaft, means for moving said

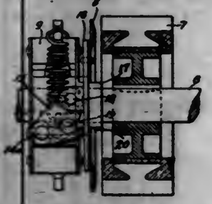
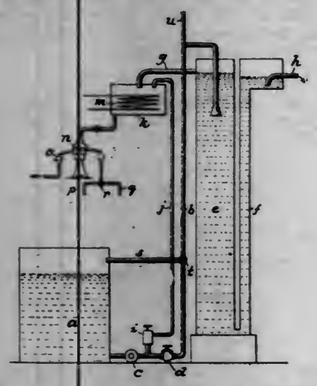


plate into contact with said cylinder, said means comprising a single member pivotally mounted on said support and pivotally connected to said plate, and speed-responsive means for actuating said member.

1,481,901. PROCESS AND APPARATUS FOR DISCHARGING UNCONTAMINATED WATER FROM THE BILGE OR BALLAST TANK. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 12, 1923. Serial No. 662,364. 16 Claims. (Cl. 210—52.)



1. The process of emptying reservoirs containing oil-contaminated water and discharging oil-free water, which comprises pumping out the liquid against a constant head, utilizing the pump pressure to arrest the outflow of liquid toward the discharge, opposing the pump pressure by a force adapted to overcome said pressure and maintain open the flow to the discharge during the outflow of water, and adjusting said force so that, upon increase of pump pressure due to outflow of oil and consequent increase in viscosity of the liquid, said force will be overcome by the pump pressure and the outflow toward the discharge arrested.

1,481,902. VULCANIZATION OF TUBES. HARRY H. HARDERS, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 14, 1921. Serial No. 444,778. 10 Claims. (Cl. 18—56.)



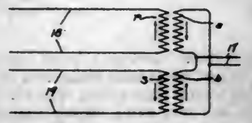
1. The method of preparing for vulcanization a tube which has been positioned upon a mandrel and wrapped with a strait-jacket under tension, which comprises the application of pressure coincidently to a relatively small part of the surface of the tube progressively along the tube.

1,481,903. SHOE-LACING DEVICE. WILLIAM J. HART, St. Joseph, Mich., assignor of one-fourth to Alonzo W. Pangborn and one-fourth to Frances D. Pangborn, both of St. Joseph, Mich. Filed Apr. 9, 1923. Serial No. 630,027. 6 Claims. (Cl. 24—117.)



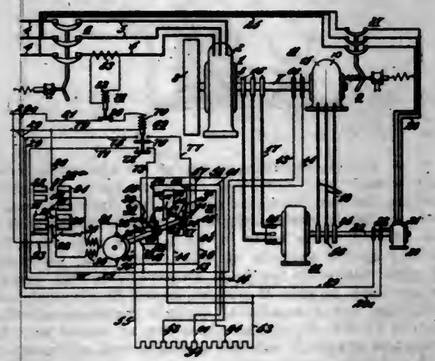
1. A device for lacing shoes and the like comprising guides for the lace along the edges to be drawn together, and means for firmly holding the ends of the lace after tightening; said means including a casing having a chamber and passages for the lace running through said chamber, a sliding member in said casing, a pair of dogs pivoted on said sliding member and tending to grip the lace, and a locking element for said sliding member.

1,481,904. STATIONARY INDUCTION APPARATUS. ALLAN B. HENDRICKS, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 2, 1921. Serial No. 489,339. 4 Claims. (Cl. 175—356.)



1. In stationary induction apparatus, the combination with a core, of primary and secondary windings disposed respectively on separate portions thereof, and a tertiary coupling winding coupled closely magnetically with both said primary and said secondary.

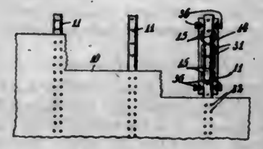
1,481,905. MOTOR-CONTROL SYSTEM. GEORGE W. HUEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1920. Serial No. 414,994. 12 Claims. (Cl. 171—119.)



1. The combination with a motor having a field-magnet winding and a resistor, of means for electrically connecting said winding to said resistor, said means being

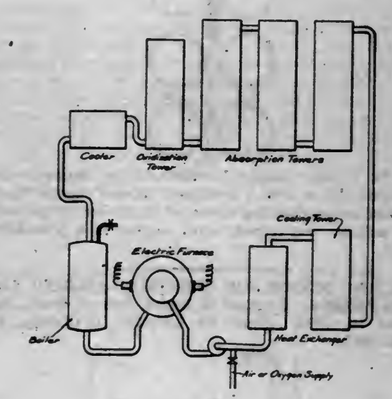
operable to reverse the voltage across said winding by connecting said winding to certain portions of said resistor, and means for shunting an additional portion of said resistor.

1,481,906. MAGNETIC SHIPBUILDING DEVICE. ARCHIBALD JOHN JACKSON, Fort Ogden, Fla. Filed Apr. 14, 1923. Serial No. 632,168. 4 Claims. (Cl. 114—79.)



1. A plate holding means for the hulls of ships comprising magnets, a base on which said magnets are mounted, and gripper jaws on said base adapted to grip the ribs of the ship to hold the device in position thereon.

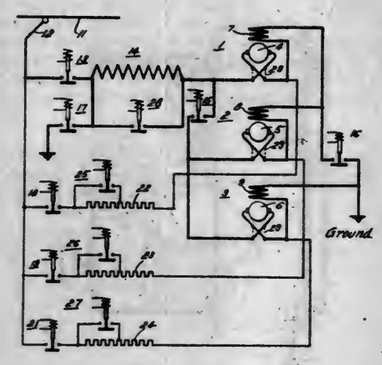
1,481,907. PROCESS FOR THE OXIDATION OF NITROGEN IN ELECTRIC FURNACES. OLAF JENSEN Notodden, Norway, assignor to Norsk Hydro-Elektrisk Kvaelslofaktieselskab, Christiania, Norway. Filed Jan. 10, 1922. Serial No. 528,238. 3 Claims. (Cl. 204—31.)



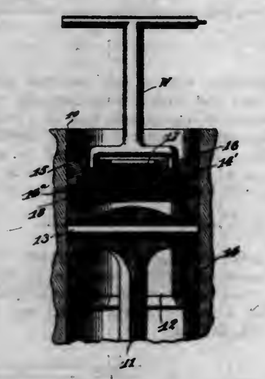
1. Process for the oxidation of nitrogen in electric furnaces and obtaining nitrogen products which comprises circulating the gas through a system including an absorption tower, bringing the gases from the absorption tower into direct contact with a cooling liquid and then heating said gases to so high a temperature that no condensation will take place in the pipes or machinery.

1,481,908. SYSTEM OF CONTROL. HOWARD H. JOHNSTON, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,790. 12 Claims. (Cl. 172—179.)

2. In a motor-control system, the combination with a plurality of motors, each of said motors having an armature and a field-magnet winding, of an external source of electrical energy, means for simultaneously connecting said windings to said source and in series relation with the armature of one of said motors during dynamic braking and means for independently varying the energization of each said windings from said external source during dynamic braking.



1,481,909. PISTON. ELLIS F. JONES, Burlington, Iowa. Filed Apr. 13, 1922. Serial No. 552,118. 2 Claims. (Cl. 74—109.)

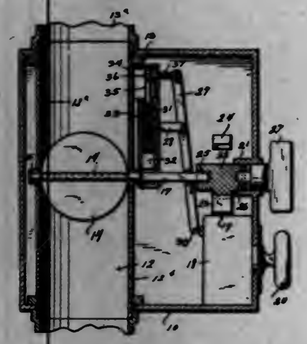


1. The combination with a piston, a plurality of annular steps formed at the outer end of said piston, an expandible ring mounted on said piston and seated on said annular steps, a threaded pillar formed on said piston extending axially thereof, a nut threaded on said pillar and having a bevelled periphery, said ring having an interior bevelled periphery complementary to the bevel of the nut.

1,481,910. MANIFOLD CLOSURE LOCK. ORA E. JONES, Medicine Lake, Mont. Filed Mar. 12, 1923. Serial No. 624,580. 4 Claims. (Cl. 251—6.)

1. In combination with an intake manifold having the intake pipe thereof formed in two separable sections, a casing insertible between the sections and having a conduit extending therethrough whereby the sections may be connected, a valve in said conduit and having a stem, an operating handle extended through the wall of the

casing and engaged with the stem to rotate the same, a lock within the casing having a withdrawable locking part preventing rotation of the operating handle in a di-



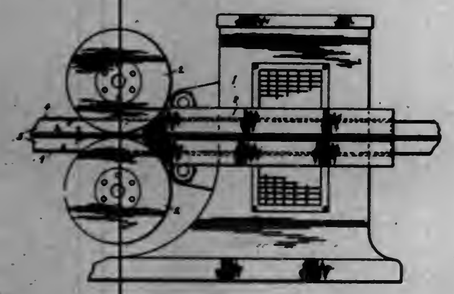
rection to open a valve, and means within the casing and engaging the stem of the valve to prevent rotation thereof upon destruction of the casing of said lock.

1,481,911. BELT BUCKLE. MORRIS KALK, Tulsa, Okla. Filed May 4, 1923. Serial No. 636,700. 1 Claim. (Cl. 24—227.)



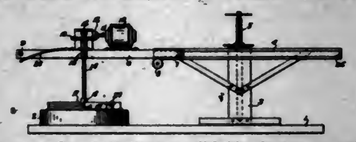
The combination with a belt provided with a metal loop at one end and with a longitudinally extending series of apertures at the opposite end, of a buckle adapted to receive the apertured end of the belt therethrough and provided with a hook member adapted to pass through a selected one of the said apertures and to be engaged through the said loop to secure the ends of the belt together.

1,481,912. JOIST-WELDING MACHINE. THOMAS H. KANE, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 15, 1923. Serial No. 657,479. 2 Claims. (Cl. 219—4.)



1. A joist welding machine embodying two pairs of disk-electrodes rotating intermittently between welds, and a pair of guides each having T-shaped guiding grooves, the central portions of said grooves being in the same plane and tangent to the electrode disks.

1,481,913. SPREADER. FRANK M. KINNARD and ROBERT M. KINNARD, Sebring, Ohio, assignors of one-half to Charles L. Sebring, Sebring, Ohio. Filed July 5, 1923. Serial No. 649,481. 8 Claims. (Cl. 25—26.)



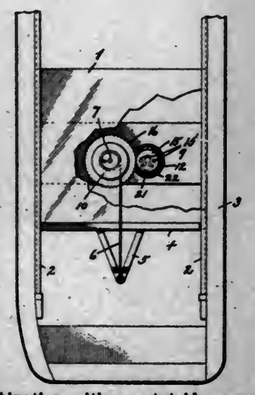
1. A spreader including a slidable frame, a rotatable spreader tool carried thereby and means for rocking said frame.

1,481,914. TUBE CLEANER. JOSEPH LEBENSTEIN, Redwood City, Calif., assignor to Associated Engineering & Supply Company, San Francisco, Calif., a Corporation of California. Filed Dec. 27, 1920. Serial No. 433,539. 9 Claims. (Cl. 15—104.05.)



1. In a tube cleaner for horizontally disposed tubes, the combination with a cruciform cutting member having opposed arcuate cutting edges, of means for reciprocating said member transversely with respect to a plurality of tubes.

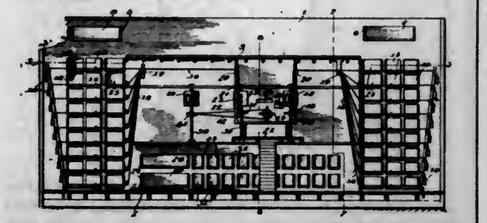
1,481,915. DEVICE FOR OPERATING SLIDING SASH OR PANELS. CHARLES E. LEWIS, Detroit, Mich. Filed May 19, 1922. Serial No. 562,121. 9 Claims. (Cl. 74—89.)



1. The combination with a rotatable operating shaft, of a fixed locking member, a movable locking member adapted for diametrical displacement upon said shaft, a

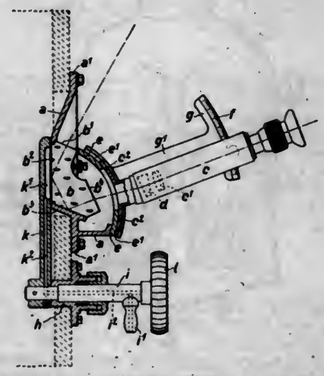
member rotatably mounted on the shaft, and a gear wheel secured to and rotatable with the rotatable member, the latter being adapted to be rotated by the movable locking member when the latter has been disengaged from the fixed locking member.

1,481,916. SCOREBOARD. LEONARD D. LONG, Charleston, S. C. Filed Sept. 29, 1922. Serial No. 591,383. 7 Claims. (Cl. 116—120.)



6. An indicator for imparting information relative to a base-ball game, comprising an indicator plate provided with a plurality of horizontal rows of openings with the horizontal rows arranged in vertical columns, one of the openings in each horizontal row forming a vertical row and provided with a track along a portion of its periphery, a slide movably mounted in the track and provided with indicia indicating the position of a player, the other openings of each horizontal row being provided with a track mounted adjacent a portion of its periphery, a slide movable on the track and adapted to alternately close one of the openings in each horizontal row, eyes secured to the rear face of each slide, a plurality of pulleys secured to the rear face of the indicator plate, a plurality of cables entrained over certain of the pulleys with the inner end of the cable provided with an enlargement, a restraining hook secured in a fixed position adjacent the center of the indicator plate adapted to receive the inner end of a cable and be engaged by the enlargement on the end of the cable, a hook on the cable for engaging an eye on the slide, weights connected to the outer end of each cable and adapted to move a slide from one opening to a second opening in the horizontal row when the enlargement on the end of the cable is released from its restraining hook engaging the enlargement.

1,481,917. REFRACTOMETER. FRITZ LÖWE, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Dec. 7, 1921. Serial No. 520,686. 4 Claims. (Cl. 88—14.)



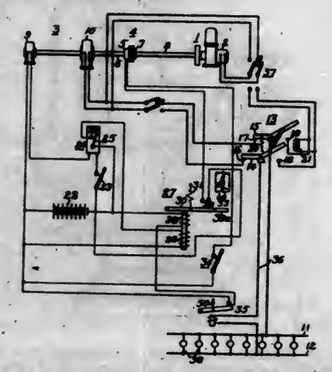
1. In a refractometer destined for examining liquids a prism system, containing a surface adapted to totally reflect rays having entered the prism and further containing a reflecting surface behind the first named surface, adapted to deflect by about 90° the rays reflected at the first named surface, a telescope so disposed behind the prism system as to be capable of receiving luminous rays having passed through the said prism system, a scale connected with the telescope and admitting of reading off the position of the extreme rays, yet totally reflected at the first named surface, and fastening means adapted to fix the said refractometer outside in front of an opening of a vessel in such a manner that the said opening is shut off and the first named surface faces the opening.

1,481,918. PITMAN OILER. JAMES F. LOWE, Milwaukee, Wis. Filed Jan. 10, 1921. Serial No. 436,288. 1 Claim. (Cl. 64—24.)



The combination with a crank pin, an operating sleeve mounted for rotation on said crank pin, said operating sleeve having a plurality of openings therethrough, and an oil-tight casing arranged to contain a lubricant mounted concentric with said sleeve and arranged to leave a space between said casing and said sleeve on all sides thereof, that space adjacent the inner side of the sleeve being larger than the remaining space, whereby the lubricant in said casing may accumulate in large quantities in said enlarged space.

1,481,919. ELECTRIC POWER SYSTEM. THOMAS J. MCGILL, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 17, 1920. Serial No. 382,168. 12 Claims. (Cl. 290—30.)

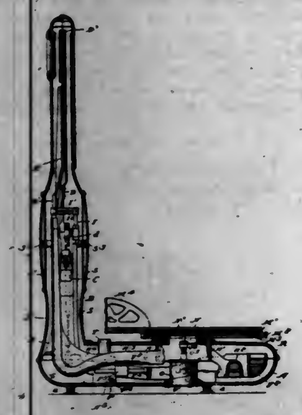


1. In an electrical system, the combination with a line circuit, a dynamo-electric machine normally connected to said circuit, and an engine having a main generator connected thereto, of means for disconnecting said machine from, and for connecting the main generator to, the line circuit in accordance with the load on such circuit.

1,481,920. PRICE SCALE. JAMES D. MCGREGOR, Brantford, Ontario, Canada, assignor to Brantford Computing Scales, Ltd., Brantford, Canada, a Corporation of Canada. Filed Aug. 14, 1922. Serial No. 581,801. 19 Claims. (Cl. 265—36.)

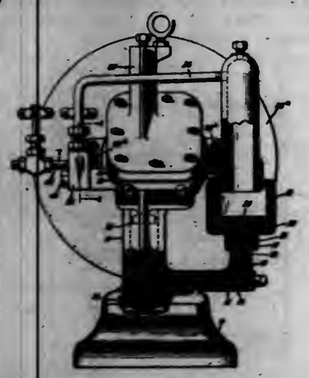
1. In a price scale of the fan chart type, a dish-like base casting having supporting projections on the under side and inside upwardly projecting lever bearings, and

tree support integral therewith, in combination with an upwardly projecting tree mounted rigidly on the tree support and carrying at its upper end the chart and



bearings for the pendulum and check and an enclosing housing mounted on the base casting and enclosing but independent of the said upwardly extending supports for the operating parts of the scale.

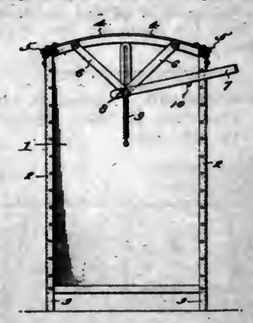
1,481,921. FLOW METER AND THE LIKE. HAROLD H. MAPELSDEN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1922. Serial No. 596,893. 3 Claims. (Cl. 73—31.)



1. In a pressure-responsive instrument for use with flow-meters and the like, the combination of a base, a tube mounted vertically thereon, an enlarged casing integral with the tube at its upper end forming a housing, flow meter mechanism in said housing, an arm extending from a point on the tube adjacent its lower end, said arm being hollow and upurned at its outer end to provide a seat, and a second tube detachably connected to said seat and communicating with said first-named tube through the hollow arm, said tubes and hollow connecting arm forming a U-tube.

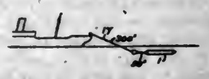
1,481,922. CAN. WILLIAM J. MILLER, New Iberia, La. Filed Aug. 18, 1922. Serial No. 582,756. 1 Claim. (Cl. 220—24.)

A can of the class described comprising a pair of hinged covers, links pivoted to the covers, a handle of U-shape, means for pivoting the links to the ends of the handles, springs connected with the pivot pins and with



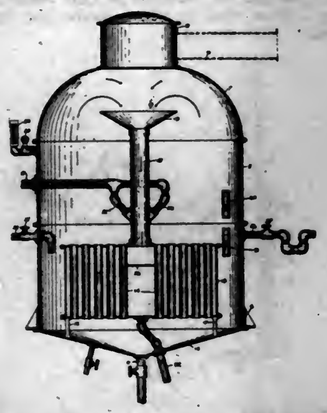
the can for normally holding the parts in closed position and a fulcrum pin on the can for limiting the downward movement of the handle.

1,481,923. METHOD AND APPARATUS FOR LOCATING THE DIRECTION OF A SOURCE OF VIBRATION. GEORGE H. NASH, Highbury, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1918. Serial No. 261,435. 7 Claims. (Cl. 177—386.)



8. Apparatus for determining the direction of a source of vibration comprising a container, a pair of vibration responsive elements mounted in said container with their responsive surfaces substantially at right angles, means for synchronously varying the position of said elements within said container, means for indicating at a distant point the position of said elements, and means for translating the response of said elements into observable effects.

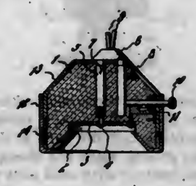
1,481,924. EVAPORATOR. OSCAR M. NELSON, New Haven, Conn., assignor to The United States Sugar Co., New Haven, Conn., a Corporation. Filed Oct. 23, 1919. Serial No. 332,786. 1 Claim. (Cl. 159—24.)



A concentrator comprising a closed evaporating chamber and a heating drum, the heating drum comprising a steam space, a vertical tube wholly within the closed chamber opening at its upper end into the upper part of

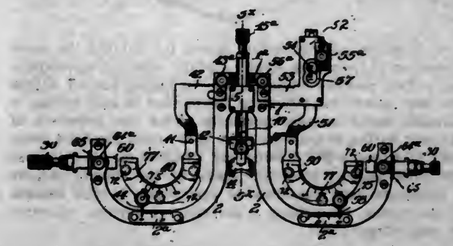
the chamber and at its lower end into the steam space and means to discharge steam downwardly through said tube, whereby vapors from the upper part of the chamber are aspirated into the steam space.

1,481,925. LIGHTER. ALBERT NUHN, Vermilion, Ohio. Filed Mar. 7, 1923. Serial No. 623,485. 1 Claim. (Cl. 219—32.)



A lighter of the class described comprising a porcelain body having a recess in its front, the outer part of which is of frusto conical shape, a heating coil in the bottom of the recess, a two-part cover for the body, one part having a portion overlapping a portion of the other and the front part having an opening with sloping walls which engage the frusto-conical part of the recess in the body, a strip passing through the body and connected with the coil, a second strip passing through the body but spaced from the coil, a switch block electrically connected with the coil, a plunger switch member adapted to be moved into and out of engagement with the short strip, a plug connected with the strips, means for connecting the plug to a source of supply and a clamp connected with the device.

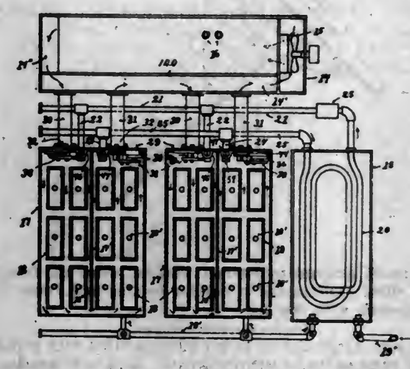
1,481,926. OPHTHALMIC-TEST-LENS FRAME. MAX POSNER, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Original application filed Mar. 15, 1916, Serial No. 84,358. Divided and this application filed Jan. 18, 1919. Serial No. 270,794. 7 Claims. (Cl. 88—20.)



5. In an optical apparatus for testing eyes, the combination of a rigid head, a pair of downwardly and outwardly extending arms secured thereto, a pair of flexible temples secured to said arms, a pair of trial lens carriers adjustably supported on said head, a nosepiece cooperating with said temples to support the apparatus on a patient's head, a horizontally adjustable bar on which the nosepiece is mounted, and a bar slidably mounted in said head and vertically adjustable therein and by which said first mentioned bar is carried.

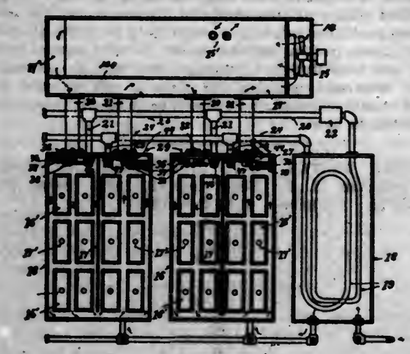
1,481,927. ARTIFICIAL-ICE-MAKING APPARATUS. HENRY D. POWNALL, Canton, Ohio. Filed May 4, 1921. Serial No. 466,759. 7 Claims. (Cl. 62—167.)

1. In combination with the freezing tank of an artificial ice making apparatus, a heat exchange member through separate compartments of which the raw water and brine are circulated so that the raw water leaves the exchange member cooler than when it entered and the brine leaves the exchange member warmer than when it entered, a brine supply conduit leading from said exchange member to said freezing tank and a brine return conduit leading from the freezing tank to the exchange member, means to circulate brine to and from said freezing tank, a valve casing attached to the inside of the freezing tank wall and to which the warm brine inlet conduit is attached,



said valve casing being provided with a brine inlet port and a warm brine deflector to deflect the incoming warm brine inside the tank and mix the warm brine with the brine in the freezing tank, a valve removably seated in said valve casing and provided with a valve stem projecting upwardly within the freezing tank to near the top of the said freezing tank.

1,481,928. ARTIFICIAL REFRIGERATING APPARATUS. HENRY D. POWNALL, Canton, Ohio. Filed May 7, 1921. Serial No. 467,666. 16 Claims. (Cl. 62—167.)

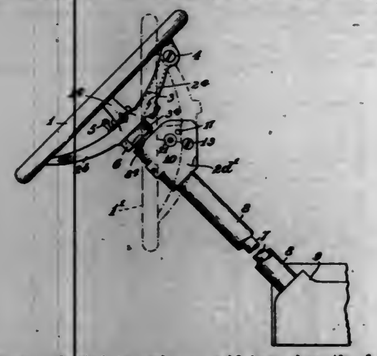


16. An artificial ice making apparatus comprising a freezing tank having a series of ice cans mounted therein, a cold brine conduit leading to and a cold brine conduit leading from said freezing tank, a brine conduit leading from said freezing tank to a brine warming member and a brine conduit to return warm brine from said brine warming member to said freezing tank, and a series of valves to control the flow of brine to and from said freezing tank attached to the terminals of said respective brine conduits and located inside the walls of said freezing tank, and means to actuate said valves from outside of said freezing tank.

1,481,929. AUTOMOBILE LOCK. NORMAN A. PRESTON, New York, N. Y. Filed Aug. 18, 1920. Serial No. 404,360. 14 Claims. (Cl. 74—33.)

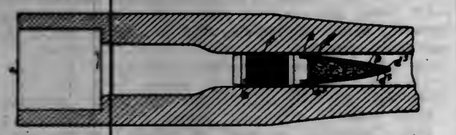
1. Locking means for an automobile, means comprising a tilting steering wheel, a solid rim and a frame therefor,

a fixed steering housing, a non-revolvable multipart lug clamped around said housing, a bifurcated portion in



said frame adapted to embrace said lug when the frame is in tilted position and a lock for holding said frame in engagement with the lug.

1,481,930. APPARATUS FOR LUBRICATING THE BORE OF FIREARMS DURING FIRING. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company. Filed Sept. 19, 1923. Serial No. 663,661. 10 Claims. (Cl. 102—31.)



10. In a projectile, the combination of an ogival body provided with a driving band and discharge openings terminating at the periphery of said body in front of said band, a nose portion secured on the forward part of said body and constituting a lubricant reservoir in communication with said openings, and plugs of soft material secured in said openings and adapted to be ejected when the projectile is fired.

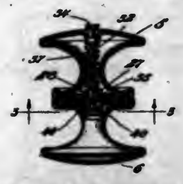
1,481,931. FILTER LEAF. PETER SHERR SCHUHMANN, Woodhaven, N. Y. Filed Apr. 19, 1923. Serial No. 633,078. 4 Claims. (Cl. 210—195.)



1. In a filter, a leaf comprising a frame, a filter medium supported thereon and means automatically operating to prevent entrance of liquid to the leaf except through the filter medium and to permit the escape of liquid therefrom when the filter is drained.

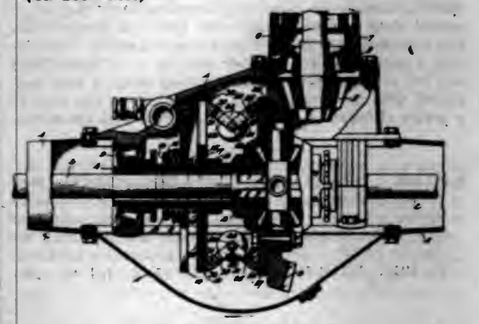
1,481,932. SEPARABLE BUTTON. CARL E. SKOOG, Cranston, R. I., assignor to Gartner & Skoog, a Firm consisting of himself and George C. Gartner, Providence, R. I. Filed Oct. 18, 1923. Serial No. 669,199. 3 Claims. (Cl. 24—102.)

1. A separable button formed in two parts, each having a shank, a head, and a base, one base being provided with a central hole, a projecting block fixed on the other base slidable through the hole and provided with a longitudinal bore and a transverse bore, a plunger slidable in the longitudinally bore and provided with a groove normally re-



mote from the transverse bore, and locking members slidably mounted in the second bore normally projecting laterally from the block into the path of the first base, and registerable in the groove when the plunger is moved and when the members contact with said first base.

1,481,933. SPEED-CONTROLLING BRAKE FOR VEHICLES. GEORGE STOWE, New York, N. Y., and GEORGE E. MOLYNEUX, Bayonne, N. J., assignors of one-third to John F. Alvord, New York, N. Y. Filed Jan. 29, 1919, Serial No. 273,716. Renewed Feb. 2, 1923. 31 Claims. (Cl. 188—181.)



8. A motor vehicle having means for driving the same at any or at indefinite speed; a brake mechanism comprising a fixed member having a hub; a spring housed within the hub; means for adjusting the tension of said spring; a movable brake member normally under the influence of the said spring to hold the same apart from the fixed member; and means for driving the movable member against the fixed member when the speed of the vehicle exceeds a predetermined maximum in opposition to the tension of the spring, comprising a plurality of devices operable by centrifugal force.

1,481,934. WIRE ROPE. CHARLES C. SUNDERLAND, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Mar. 24, 1921. Serial No. 455,299. 4 Claims. (Cl. 117—58.)



1. A strand for wire ropes comprising a plurality of layers of helically wound strand wires and bearers of hard wire between said helically wound strand wires of two successive layers, the hardness of said bearers being at least substantially that of the strand wires.

1,481,935. TOOTHBRUSH CONTAINER. DANIEL S. TERRELL, Elkton, Md. Filed May 31, 1922. Serial No. 564,987. 1 Claim. (Cl. 248—63.)

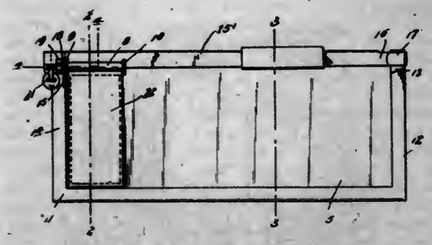


A receptacle for brush heads comprising a hollow casing formed of resilient material having one end wall thereof provided with an enlarged opening for permitting the insertion of the brush head therethrough, the opening being disposed in axial relation to the casing, the opposite end wall having an eccentrically disposed opening therein for the reception of the handle of the brush, the opening being of a less size than the handle, whereby the walls of the opening will frictionally engage the handle to hold the brush head in said casing in spaced relation to the side and end walls thereof, the side wall having a support receiving slot formed therein.

1,481,936. PROCESS OF APPLYING GRAPHITE TO ENGINE PISTONS AND CYLINDERS. JOHN THOMSON, Brooklyn, N. Y. Filed Mar. 17, 1923. Serial No. 625,881. 1 Claim. (Cl. 91—68.)

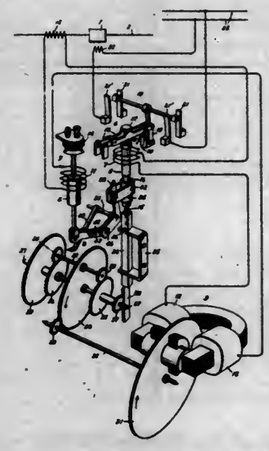
The process of applying adherent coatings of comminuted graphite upon the co-ordinating metallic surfaces of engine cylinders and pistons, which consists in cleansing the said surfaces; coating them with a dope formed of graphitic dust and water; evaporating the water-content from the dust and then setting and solidifying the residual graphitic film, as by buffing it, or by buffing and planishing it, in place.

1,481,937. LICENSE-PLATE HOLDER. LAWRENCE T. THOAN, Harrisburg, Ark. Filed Mar. 27, 1923. Serial No. 628,111. 3 Claims. (Cl. 40—125.6.)



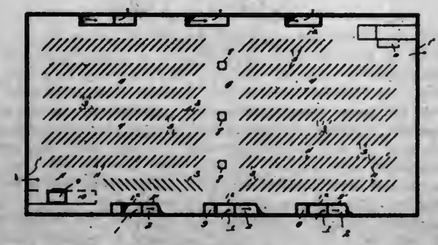
1. In a holder for license tags, wherein the tag includes a removable plate having its upper end bent over the tag and provided with a horizontal tube, a relatively U-shaped channel frame, a securing strip upon the upper end of the channel frame adapted for maintaining the tag within the frame, means for retaining the securing strip upon one end of the frame, and an upwardly bent ear adjacent the opposite end of the frame having an opening therein in alinement with the said horizontal tube of the removable retaining bolt.

1,481,938. ELECTRORESPONSIVE DEVICE. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 12, 1923. Serial No. 631,735. 10 Claims. (Cl. 175—294.)



9. A relay comprising a winding, an armature adapted to be moved by said winding, a movable member for limiting the movement of said armature in one direction when said winding is deenergized arranged to permit movement of the armature in the oposite direction independently of the member and to move the armature in said opposite direction to vary the position thereof with respect to the winding so that the armature will be attracted at different current values corresponding to different positions of the member, electroresponsive means for moving said member comprising a driving gear and planetary gears movable thereby, sun gears engaged by said planetary gears, the gear ratios between said planetary and sun gears being different, a driving connection whereby one of said sun gears may move said movable member, and relay means operative in response to a predetermined current to restrain another of said sun gears from rotating.

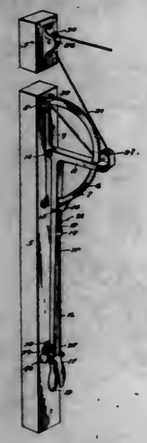
1,481,939. GARAGE. JUNIUS E. TUCKER, Bridgeport, Conn. Filed Dec. 31, 1921, Serial No. 526,322. Renewed June 23, 1923. 3 Claims. (Cl. 20—1.13.)



1. A garage having rows of diagonally arranged stalls therein, aisles between the rows and between the outer rows and the walls of the garage, an entrance aisle com-

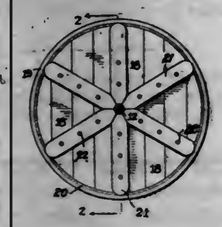
municating with the entrance ends of the first named aisles and an exit aisle communicating with their exit ends, said stalls having both ends open.

1,481,940. CLOTHESLINE SUPPORTING AND TIGHTENING DEVICE. CLARENCE C. TURNEPSEED, Springfield, Ohio. Filed Dec. 29, 1920, Serial No. 433,855. Renewed Dec. 20, 1923. 2 Claims. (Cl. 68—3.)



1. A device of the character described comprising a toothed member an L shaped lever comprising a short arm and a long arm pivoted at its heel to said toothed member, a pawl upon said lever engaging the teeth of said member, an antifriction element at the free end of the short arm of the lever, a flexible element pasing thereover and having one end fixedly secured, and an antifriction element disposed above said toothed member over which said flexible element passes.

1,481,941. BEAM CONSTRUCTION. WALTER I. TUTTLE, Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Mar. 6, 1922. Serial No. 541,277. 8 Claims. (Cl. 242—124.)

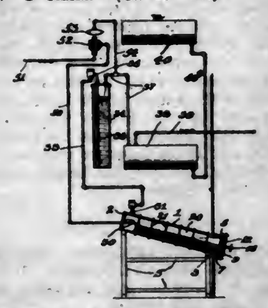


1. In beam construction, in combination, a barrel member, a circular metal head member resting against the end of said barrel member, a metal head member positioned substantially oposite that face of said first-mentioned head member which is remote from said barrel member comprising a plurality of radial reinforcing arms extending to points substantially opposite the periphery of said first-mentioned head member, a wooden head member built up of a plurality of sections interposed between said two metal head members, and means for securing together said two metal head members and said wooden head member interposed therebetween.

1,481,942. FUEL BRIQUETTE AND THE PROCESS OF MAKING SAME. FELIX A. VOGEL, New York, N. Y., assignor to The General Fuel Briquette Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 13, 1919. Serial No. 330,382. 4 Claims. (Cl. 44—10.)

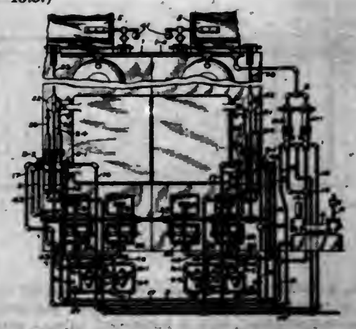
1. In the art of producing briquettes that improvement which consists in mixing finely comminuted particles of a substance to be briquetted with a relatively small proportion of a dissolved water soluble binding substance, sufficient in quantity but limited to supply only a coating of the particles upon the subsequent masticating treatment, coating each of the particles to be briquetted with a minute film of the binding solution by subjecting the mixture to a masticating action until no accumulation of the binder as such exists in the mixture but the whole of said binder has been converted into a thin film extending throughout the mass of the material, then forming the material into briquettes, removing the moisture therefrom and carbonizing the binder.

1,481,943. ACETYLENE GENERATOR. PERCY WADE, Washington, D. C. Filed Sept. 23, 1920. Serial No. 412,198. 1 Claim. (Cl. 48—24.)



In a gas generating apparatus of the class described comprising an elongated inclined gas-tight casing, a plural compartment carbide holder of lesser size than and adapted to be positioned within the said casing, means for admitting water at the upper end of said casing between the casing and container so that the water may run down between said casing and container to cool said container and to fill the lowermost compartment and then overflow into the several compartments of the container one after the other as the height of the water increases.

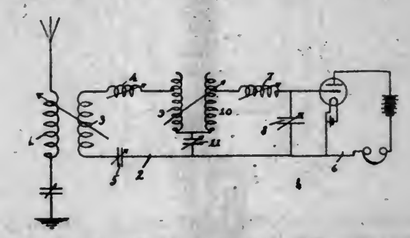
1,481,944. LIQUID-FUEL-BURNING APPARATUS. SHIRLEY S. WEEKS, Providence, R. I., assignor to Associated Engineering & Supply Company, San Francisco, Calif., a Corporation of California. Filed July 22, 1920. Serial No. 398,226. 8 Claims. (Cl. 158—45.5.)



1. In a liquid fuel burning apparatus, the combination with a liquid fuel burner, of a liquid fuel supply main,

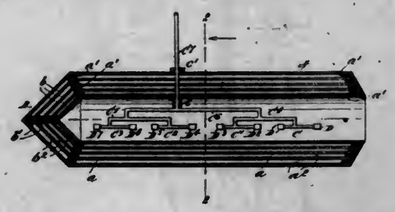
a pump for supplying liquid fuel under pressure to said main, and a plurality of valve mechanisms operative to supply liquid fuel from said main to the burner at a plurality of different presures, each less than the pressure of liquid fuel in the supply main.

1,481,945. RADIO RECEIVING SYSTEM. JULIUS WEINBERGER, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Mar. 3, 1921. Serial No. 449,469. 5 Claims. (Cl. 250—20.)



1. In radio telegraphy, means for eliminating interference, comprising primary and secondary circuits, a pair of connections across the primary and secondary circuits, each connection comprising two portions consisting of capacity and inductance in series, one of said portions being common to both connections and the other portions arranged to couple the primary and secondary circuits, said portions being relatively adjustable to substantially eliminate interference.

1,481,946. DIRECTIONAL SIGNAL RECEIVING. ROBERT L. WILLIAMS, Newton, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed July 18, 1918. Serial No. 245,567. 8 Claims. (Cl. 181—26.)

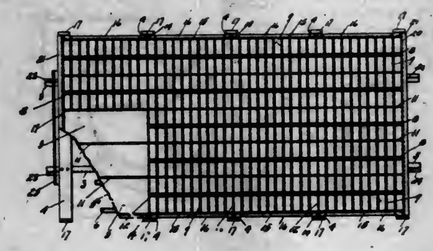


8. A subaqueous sound directional receiving device comprising a tubular sound screen closed at one end by said sound screen and exposed at the other end to the sound conducting medium, the inner walls of said sound screen abutting against the subaqueous sound medium, a plurality of receiving tubes positioned in a line parallel with the axis of said sound screen within said tubular sound screen, said receiving tubes containing a compressible fluid other than the subaqueous sound medium, each of said receiving tubes having a vibratory closure at the outer end thereof, a plurality of conducting tubes, a main tube, said conducting tubes connecting the said receiving tubes to said main tube, said conducting tubes and said main tube forming a rigid structure, said main tube extending through the wall of the sound screen and supporting said sound screen, said conducting tubes and main tube being in a fixed position with reference to the sound screen, said receiving tubes being positioned whereby the sound wave front traveling perpendicular to the axis of the tube is transmitted by the said receiving tubes to the main tube in phase and whereby the maximum sound energy is transmitted to the receiving tubes when the sound screen has its axis perpendicular to and facing the approaching sound wave.

1,481,947. STORAGE BATTERY. WILLIAM H. WOOD, South Euclid, Ohio. Filed Nov. 22, 1920. Serial No. 425,828. 3 Claims. (Cl. 204—29.)

1. A composition of matter for the plates of storage batteries consisting essentially of oxide of lead mixed with carroted hair.

1,481,948. MULTIPLE BRICK MOLD. FRANK ZAGELMEYER, Bay City, Mich. Filed Feb. 8, 1923. Serial No. 617,703. 9 Claims. (Cl. 25—121.)



1. A multiple mold comprising a plate having a series of U-shaped molds secured thereto and forming a unit, the end molds of each unit having but one side wall.

6. A multiple mold comprising a face plate having a plurality of molds mounted thereon and forming a unit, transversely disposed division plates having openings therein and adapted to receive the ends of the said units, and longitudinal division plates adapted to be positioned between the face plates to form the outer edge of the mold.

1,481,949. CUE HOLDER. ADAM ANDRECK and FRANK RUBCZYNSKI, Toronto, Ontario, Canada. Filed Jan. 10, 1922. Serial No. 528,340. 3 Claims. (Cl. 46—6.)

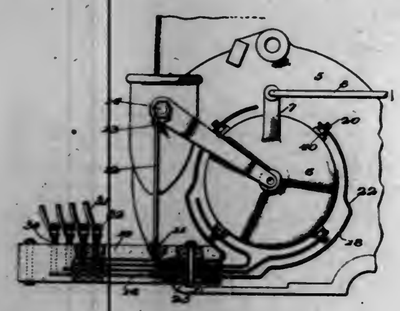


3. A cue holder of the character described comprising, in combination, a slotted plate formed with a cue-top rest and provided with pivotally mounted gripping members link-connected to a pin member adapted to slidably support the holder, and cam means on the holder designed to engage with said pin to securely retain the holder in an open or closed position.

1,481,950. TIMER. WALTER ALEXANDER ASHLEY, Liverpool, N. Y. Filed Apr. 29, 1922. Serial No. 557,495. 2 Claims. (Cl. 123—146.5.)

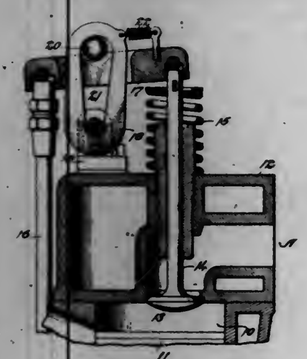
1. An attachment for timers comprising an insulating block, a plurality of lengths of spring metal having attaching portions embedded in said block and having

exposed arcuate portions adapted to surround the shell of a commutator, the exposed arcuate portions of said length of spring metal being formed with arcuate slots to freely receive the binding posts of the shell, certain of the arcuate portions being offset whereby the slotted portions of the contacts are all in the arc of the same circle, a



connecting bolt extending through said block and contacts, and binding screws threaded into the top of the block and directly engaging the terminal portions of said length of spring metal to hold the same in position, said binding screws being provided with means whereby conductor wires may be connected thereto.

1,481,951. VALVE-OPERATING MECHANISM. DORSEY F. ASBURY, Washington, D. C. Filed Apr. 19, 1920. Serial No. 374,997. 11 Claims. (Cl. 123—90.)



1. In a valve operating mechanism, a valve, an actuator therefor, a lever arm between said valve and actuator, and a movable fulcrum for said lever arm including rollable wedging means to maintain said lever in contact with said valve and actuator.

1,481,952. MAGNIFYING MANOMETER. HERMAN BACHARACH, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company, a Corporation of Pennsylvania. Filed Mar. 6, 1922. Serial No. 541,364. 5 Claims. (Cl. 73—31.)

1. In combination in a gage, a pair of vertical pressure legs, a gage glass leading upward from the end of one of such legs and having an outlet at its upper end, a screw plug constituting the bottom closure of the leg having the gage glass, an indicating liquid in the legs, means for adjusting the level of the liquid in the legs carried by said plug, a second screw plug constituting the bottom closure of the other leg, and an inlet tube carried by said



second screw plug and extending upward through the pressure leg to a point above the level of the indicating fluid therein.

1,481,953. MEANS FOR ATTACHING THE MEMBERS OF SEPARABLE FASTENERS TO GARMENTS. CLARA E. BEGEMAN, Milledgeville, Ill. Filed Mar. 17, 1923. Serial No. 625,686. 2 Claims. (Cl. 24—88.)

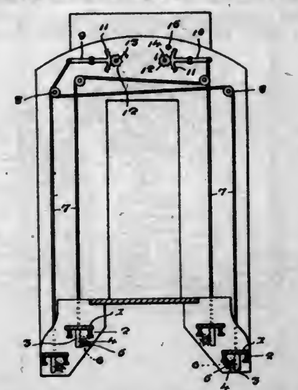


1. In a separabe fastener member, a pair of inwardly bent lip or keeper portions formed integrally upon opposite sides of the member body, a relatively U-shaped pin loosely disposed within one of the lip or keeper portions, and a pin retaining member rigidly secured within the opposite lip or keeper portions, said pin retaining portions comprising a single length of wire having its ends bent to form eye members for the reception of the ends of said U-shaped pin.

1,481,954. CAR-REGISTERING DEVICE. WILL DEAN BURNON, Spencer, N. C., assignor of one-half to Richard P. Carter, Spencer, N. C. Filed Aug. 23, 1921. Serial No. 494,686. 3 Claims. (Cl. 234—15.)

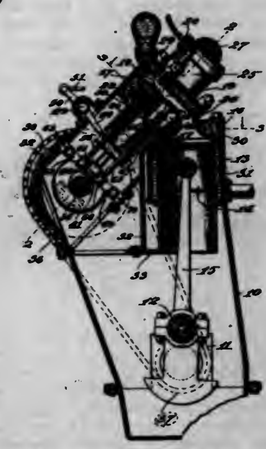
1. In combination with a vehicle having vertcially movable steps, a casing carried by the vehicle, tape supporting means in said casing, tape feeding means, a type carrying block, a slide in which the block is movably mounted, connections for causing the movement of the first step to move the slide and actuate the feeding means, a crank shaft for forcing the block upon the tape, connections from the second stop for rocking said shaft

when the step is moved, a pair of registers, actuating means for the same including a pair of hooked links, the



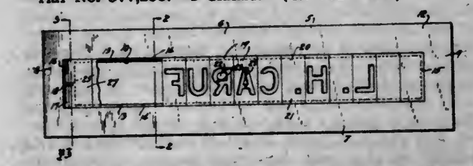
hooked ends of which are adapted to be engaged by the crank shaft and means connected with the slide for placing the hook of one or the other link under the crank.

1,481,955. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunnell, Los Angeles, Calif. Filed June 27, 1922. Serial No. 571,240. 13 Claims. (Cl. 123—75.)



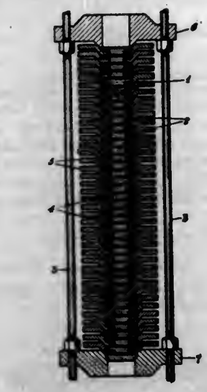
1. An internal combustion engine having a pocket that is directly connected to the piston chamber, said pocket being provided with a valved inlet port, and means for successively admitting air and gaseous fuel into said pocket through said valved inlet port.

1,481,956. SAND-BLASTING SCREEN. LOUIS H. CARUFEL, Bismarck, N. Dak. Filed July 24, 1922. Serial No. 577,253. 4 Claims. (Cl. 101—127.)



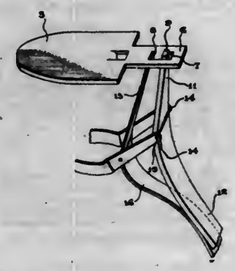
1. A sand blasting screen comprising a frame having an elongated opening therein, the edges of the opening being rabbeted, a plurality of stencils located within the opening and engaging upon said rabbets, a clamping plate movably mounted within the opening and seating upon the rabbets, and a screw threaded into said plate, the frame being provided with an elongated slot for the reception of said screw whereby said plate may be moved into clamping engagement with the stencils for holding the latter in engagement with one another and with the opposite end of the frame.

1,481,957. APPARATUS FOR CARRYING OUT HIGHLY-EXOTHERMIC CATALYTIC REACTIONS BETWEEN GASES, PARTICULARLY CATALYTIC OXIDATION OF AMMONIA WITH OXYGEN. IVAR WALFRID CEDERBERG, Berlin-Steglitz, Germany, assignor of seven-tenths to Helge Mattias Bäckström, Djursholm, Sweden. Filed July 7, 1923. Serial No. 649,979. 8 Claims. (Cl. 23—1.)



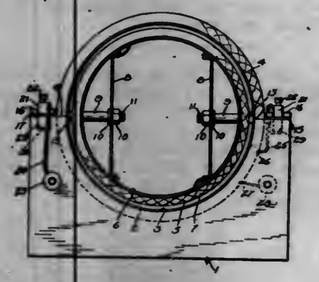
1. An apparatus for carrying out highly exothermic catalytic reactions between gases, particularly catalytic oxidation of ammonia with oxygen, in which the catalyst chamber consists of a series of metal rings which when pressed together fit gas-tight to one another.

1,481,958. POWDER JACK. PAT FANNON, Harlan, Ky. Filed Feb. 28, 1923. Serial No. 621,924. 1 Claim. (Cl. 221—62.)



A powder jack for miners' use having an outlet spout and a slidable valve for closing the passage therethrough, said valve having its outer portion provided with spaced slots, an angle lever pivotally supported on the jack having the end of one of its arms received in one of said slots, a two-armed spring fixed to the jack having one of its arms received through the second slot in the valve and its second arm in contacting engagement with the under face of the lever, both of said arms exerting tension upon the elements engaged thereby to force the valve to closed position and to swing the lever to cause the latter to further influence the valve in such closed position.

1,481,959. RADIO APPARATUS. RENSSELAER W. FRENCH, Chicago, Ill., assignor, by mesne assignments, to Diamond Radio Products, Chicago, Ill., a Common Law Trust. Filed Mar. 27, 1922. Serial No. 547,304. 2 Claims. (C. 171—242.)



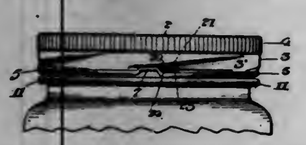
1. In a device of the character described, an annular lattice wound stator coil of insulated wire, an annular lattice wound rotor coil of insulated wire rotatably mounted within said stator coil and arranged to be moved concentric therewith, each turn of said rotor coil being arranged to exactly underlie its corresponding turn on said stator coil when said coils are concentric with one another.

1,481,960. CAP. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Nov. 29, 1922. Serial No. 603,990. 19 Claims. (Cl. 215—44.)



1. A sheet metal closure for containers and comprising a top and a flange, the flange being provided with an inwardly extending projection narrow and deep at one end and wide and shallow toward the other end.

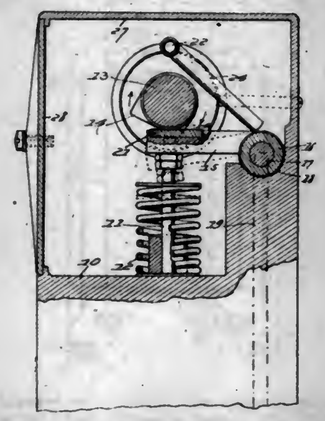
1,481,961. DUPLEX LOCKING MEANS FOR BOTTLE CAPS. CHARLES HAMMER, Hollis Court Boulevard, N. Y. Filed Dec. 23, 1922. Serial No. 608,597. 22 Claims. (Cl. 215—44.)



1. A metal cap having a depending skirt having a set of locking projections, one having inclination and the other lying substantially parallel to the top of the cap.

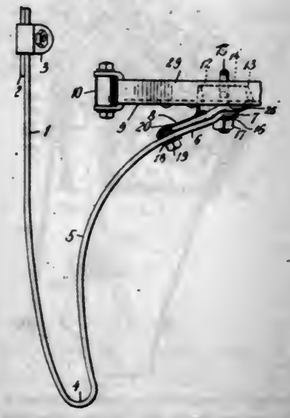
1,481,962. VALVE-IN-HEAD MOTOR. JOHN W. IRVIN, Franklin, Nebr., assignor of two-fifths to P. J. Way, Hastings, Nebr. Filed Jan. 11, 1923. Serial No. 612,053. 4 Claims. (Cl. 123—90.)

1. A valve-in-head motor having an overhead valve actuating cam shaft, rockers provided with fingers interposed between the valve stems and the cams on the cam shaft, means for operating said cam shaft, and cushioned



contact elements consisting of pads having a durable wearing quality inset in the rockers and affording noise eliminating contact for the cams.

1,481,963. BUFFER-ATTACHING DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Mar. 31, 1921, Serial No. 457,258. Renewed Apr. 30, 1923. 9 Claims (Cl. 293—55.)



1. In attaching devices adapted for use in attaching an automobile buffer to automobile frame members having projecting flanges, a buffer attaching member of spring steel strip having an inwardly bent portion and an offset end to form a substantially flat bearing portion provided with a plurality of intersecting adjusting holes forming a figure 8 type adjusting aperture, said attaching member being formed with a connecting hole ahead of said aperture, a forged attacher bracket having a bearing face adapted to engage the web of the automobile frame member and having laterally extending supporting flanges projecting from said bearing face at longitudinally separated points and adapted to engage the frame flange there being a hook bolt hole formed in said bearing face and an aligning hook bolt socket formed in said bracket between said supporting flanges, an outwardly diverging bracket arm formed on said bracket to substantially engage and support the adjacent attaching member and formed with a threaded connecting hole,

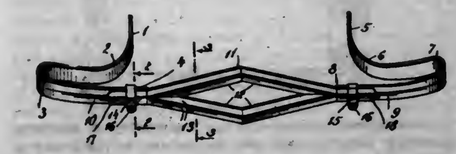
a connecting member extending through said connecting holes to permanently and adjustably connect said bracket arm and attaching member and a hook bolt adapted to adjustably and securely connect said bracket and attaching member to the cooperating automobile frame member.

1,481,964. AUTOMOBILE BUFFER DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Filed June 14, 1921, Serial No. 477,586. Renewed Sept. 1, 1922. Serial No. 585,831. 15 Claims. (Cl. 293—55.)



2. The automobile buffer formed of spring steel strip and comprising end loops and connected front strips having inwardly extending connector portions, and a resilient sheet metal contact and clamping device formed with vertically separately central contact portions and with channeled end connector portions extending adjacent said end loops and integral clamping members to adjustably and securely clamp each of said front strips at separated points and securely connect the buffer elements.

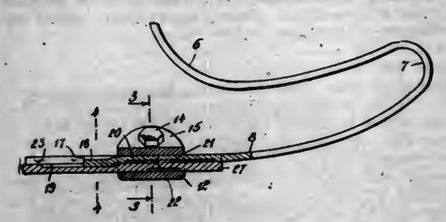
1,481,965. BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 25, 1921, Serial No. 510,292. Renewed Oct. 20, 1923. 16 Claims. (Cl. 293—55.)



1. The automobile buffer comprising two spring steel strip members each having a rearwardly extending attaching member, an end loop and an inwardly extending connector portion having a forwardly bent V-sectioned stiffening aligning cross section, a co-operating contact connecting member of spring steel plate having outwardly extending connector portions formed with similarly bent V-sectioned aligning cross section co-operating with the connector portions of said spring strip members, said contact connecting member having vertically separated upper and lower contact portions of similarly stiffened angularly bent cross section to form a generally diamond shaped contact member at least three times as high as said strip members adjacent the central part of the buffer, and clamping devices to rigidly hold together the co-operating connector portions.

1,481,966. AUTOMOBILE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Nov. 23, 1921, Serial No. 517,268. Renewed Nov. 3, 1923. 26 Claims. (Cl. 293—55.)

11. The one piece resilient buffer contact and connecting device adapted for use with co-operating spring strip end loop buffer members and comprising vertically separated contact faces adjacent its middle portion and comprising edge stiffening flanges forming diverging flanges adjacent the ends of the connecting device, there being vertically aligning depressions formed in the inter-



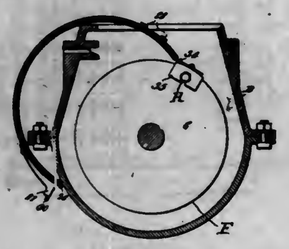
mediate portions of the rear face of said connecting device at a considerable distance inward from its ends to promote the alignment of the co-operating buffer members.

1,481,967. AUTOMOBILE BUFFER DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Mar. 27, 1922. Serial No. 547,328. 16 Claims. (Cl. 293—55.)



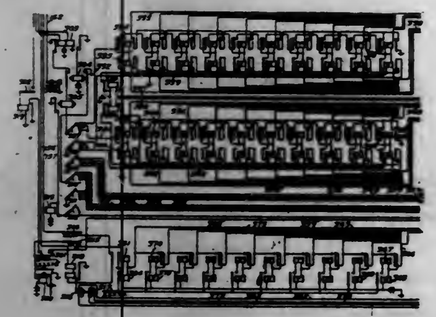
6. The automobile buffer comprising end loop attaching members of steel strip adapted to be secured to the automobile frame members and having inturned connector portions, a cooperating front plate having end connector portions, a clamping bolt extending through each of said connector portions of the front plate and adapted to clamp the connector portion of the attaching member to said front plate and enclosing clamping devices adapted to be secured around the cooperating connector portions of said front plate and attaching members.

1,481,968. TRANSMISSION BAND, PULLER, AND HOLDER THEREFOR. GARRETT A. MCDERMOTT, San Diego, Calif. Filed July 11, 1922. Serial No. 574,165. 6 Claims. (Cl. 188—249.)



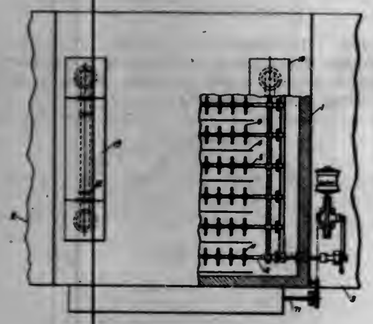
4. In a planetary transmission for automobiles including a series of drums and a driving plate bolted to one endmost drum, a transmission band provided at one end with a rigid ear and having at its other end a detachable ear, hook plates secured upon the band and extending beyond the ends thereof, in combination with a puller formed as a member adapted to be secured upon the driving plate by one of the bolts holding the latter, an arm on said member overlying the adjacent drum, and loop members carried by the arm and engageable with either of said hooks whereby upon rotation of the drums and driving plate the band will be moved into or out of encircling relation to said endmost drum.

1,481,969. TELEPHONE-EXCHANGE SYSTEM. FRANK N. REEVES, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1919. Serial No. 342,441. 17 Claims. (Cl. 179—18.)



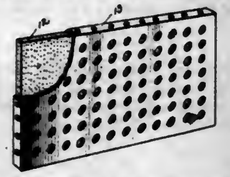
1. The combination in a telephone system of selective switches for extending telephone connections, registers for controlling the selective operation of said switches, a plurality of successively operable electro-mechanisms, means responsive to current impulses for variably operating said electro-mechanisms, and means dependent on the number of said electro-mechanisms operated for positioning said registers.

1,481,970. APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. HARRY V. WELCH, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 26, 1921. Serial No. 448,070. 10 Claims. (Cl. 183—7.)



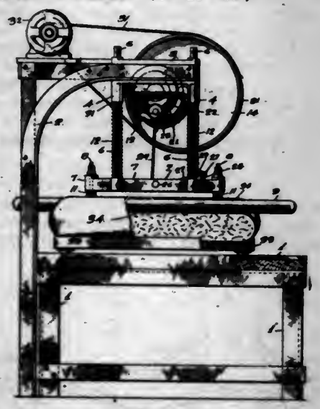
1. An electrical precipitator comprising a flue adapted for passage of the gases horizontally therethrough, a plurality of relatively long collecting electrodes extending vertically in said flue parallel to the direction of gas flow therein and extending nearly to the top and bottom of the flue, a plurality of relatively short collecting electrodes extending in said flue in alternate arrangement with said relatively long electrodes, so as to leave free space above and below said relatively short electrodes, insulated electrode supporting means extending in said flue spaces and high tension discharge electrodes mounted on said supporting means and extending vertically between opposing long and short collecting electrodes.

1,481,971. METHOD OF AND MEANS FOR CONTROLLING THE HUMIDITY WITHIN CONTAINERS. JASPER WHITING, Boston, Mass. Filed May 17, 1921. Serial No. 470,305. 3 Claims. (Cl. 131—30.)



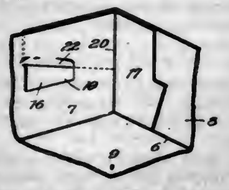
1. The method of maintaining a substantially constant relative humidity in a gas, which consists in bringing in contact with the gas a saturated solution of a salt containing an excess of the salt.

1,481,972. MATTRESS-BEATING MACHINE. GUSTAV A. AICHER, San Francisco, Calif., assignor of one-half to Droll Patent Corporation, San Francisco, Calif., a Corporation of California. Filed Dec. 8, 1920. Serial No. 429,283. 4 Claims. (Cl. 15—89.)



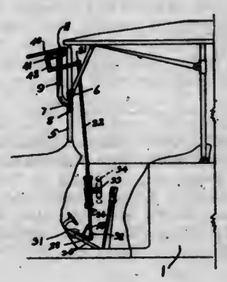
1. A mattress beating machine comprising a mattress supporting element arranged to receive a mattress; a beating element slidably mounted above said mattress; springs mounted in connection with said beating element to normally exert a downward pressure thereon; a power driven shaft mounted above the beating element; a disc rotatably mounted upon the shaft and connected to the beating element; and means mounted upon the shaft arranged to alternately engage the disc to rotate the same and thereby lift the beating element upwardly against the pressure of the springs and to disengage said disc to permit free downward movement of the beating element due to pressure by the springs to strike a blow upon the mattress.

1,481,973. BOX. SIEGMUND BACHMANN, Chicago, Ill. Filed June 2, 1922. Serial No. 565,380. 1 Claim. (Cl. 229—35.)



A box made from a blank comprising a bottom portion, walls rising therefrom and extending at an angle to each other, tongues on walls of the box adapted to overlap adjacent walls, said tongues and the walls overlapped thereby having portions adapted to be interlocked with each other, said interlocking portions when in set up condition consisting of a slot below the upper edge of the box and angularly disposed relative to the upright corner thereof, and a downwardly extending portion the inner engaging edge of which is substantially parallel with the box corner, said tongues at their juncture with the walls carrying them reaching short of the bottom portion of the box.

1,481,974. ADJUSTABLE GLARE SHIELD FOR AUTOMOBILES. JOHN C. BARTLEY, Denver, Colo., assignor of one-half to Harley I. Jones, Denver, Colo. Filed Sept. 5, 1922. Serial No. 586,191. 1 Claim. (Cl. 296—97.)



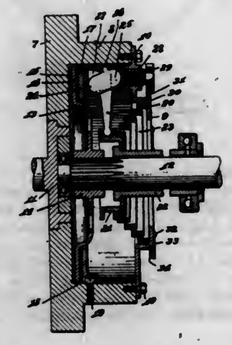
In combination, a body member; a windshield frame attached thereto; a pair of supporting brackets attached to the frame; a bracket pivotally attached to the upper end of each supporting bracket; a translucent shield member carried by said last named bracket; an arm secured to one of said brackets and having its outer end projecting to the other side of said windshield; a casing pivotally secured to the body member; a spring in said casing; a rod passing through said spring and said casing and connected to the end of said arm; an abutment member secured to the rod and engaging the lower end of said spring; means for moving the rod upwardly whereby the spring is compressed and the shield tilted downwardly, said means comprising a pivotally mounted pedal; and locking means for holding the rod in its upward position.

1,481,975. CAP. BENEDICT H. BENDER, Milwaukee, Wis., assignor to Bender-Zimmer Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 5, 1921. Serial No. 467,148. 1 Claim. (Cl. 2—107.)



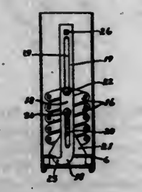
The method of manufacturing a cap from a series of blanks constituting a body portion, a cuff, and an ear and neck flap wherein an elongated knitted blank is employed as the body portion and comprises connected sections with the direction of the wales oblique to the longitudinal axis of the blank and with the direction of the wales substantially at right angles with respect to the adjacent ones of said sections, the lower longitudinal edge of the blank being straight and the upper edges of the sections being parallel to the wales of the latter whereby intermediate pairs of sections are formed with inverted V-shaped projecting portions, said projecting portions being brought inwardly and having their meeting edges stitched together so as to form a closed end, a second elongated knitted blank forming the cuff and having the direction of the wales longitudinally of the blank with one longitudinal edge secured to the lower edge of the first blank, and a third elongated knitted blank forming the ear and neck flap with the direction of the wales longitudinal of the blank, said blank having curved end edges providing longitudinal edges of differing length with the shorter longitudinal edge and curved end edges secured by stitching to the lower edge of the first blank, and with the portions of the longer longitudinal edge which then forms the end edges of the third blank terminating in spaced relation.

1,481,976. CLUTCH. VINCENT BENDIX, Chicago, Ill. Filed Dec. 3, 1919. Serial No. 342,171. 2 Claims. (Cl. 192—68.)



1. A clutch comprising a casing, cooperating clutch members, means including a plurality of cam-levers for bringing said members into clutched relation, said levers having freely shiftable terminal fulcrum points bearing upon the casing, and cam portions bearing at opposite points upon one of said clutch members and upon normally fixed elements screw-threaded through the casing, and means for simultaneously adjusting said elements.

1,481,977. POCKET MATCH BOX. ARTHUR M. BENNER, Olympia, Wash. Filed Jan. 9, 1923. Serial No. 611,654. 5 Claims. (Cl. 206—33.)



1. In a pocket match box, a foot attachment having a longitudinal slot therein, and whose toe portion is sharp-shod on its upper surface.

1,481,978. CLOTHESPIN. WILLIAM O. BICE, Logan, Iowa. Filed Feb. 3, 1923. Serial No. 616,745. 2 Claims. (Cl. 24—137.)



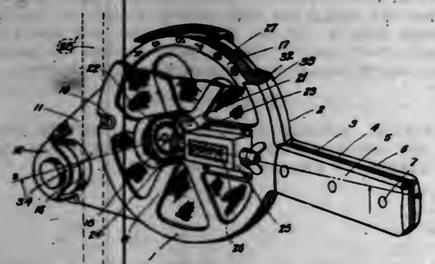
1. A clothes line pin comprising a pair of discs, a shaft extending through said discs, said discs being slidably keyed on the shaft, coiled springs surrounding the shaft, said coiled springs being interposed between headed members carried by the ends of the shaft and the outer faces of the discs, the inner faces of said discs being provided with registering rectangular shaped grooves having their corners extending through the outer edges of the disc.

1,481,979. CIGARETTE-MAKING DEVICE. WILHELM GOERT BOONZAIER, New Wandsworth, London, England. Filed Nov. 22, 1920. Serial No. 425,688. 6 Claims. (Cl. 131—5.)



3. A device for making cigarettes consisting of two similar semi-cylindrical members, each having a closing guide part at one of its ends, the open end of one semi-cylindrical member being adapted to pass through the closing member of the other semi-cylindrical member, so that the two assembled semi-cylindrical members forming a complete tube can be reciprocated one upon the other for assembling or disassembling or compressing the filler.

1,481,980. CABLE-MEASURING DEVICE. RALPH R. BOSTIC, Kansas City, Mo. Filed June 26, 1922. Serial No. 570,915. 3 Claims. (Cl. 33—184.)



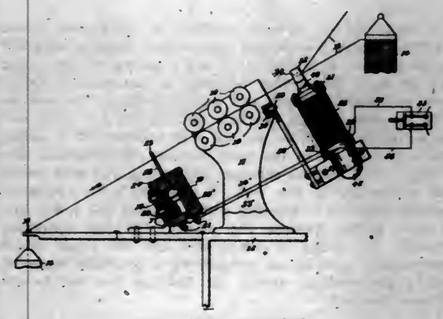
1. A cable measuring device for wells comprising a casing consisting of two complementary side members, each having an outwardly projecting handle portion, one of the side members having a forward extension, means connecting the handle portions together, a friction wheel mounted between the two side members, an idler mounted upon the forward extension in spaced relation with the friction wheel, and registering mechanism operated by the friction wheel.

1,481,981. CURTAIN ROD. JAMES H. BOYD, Chicago, Ill. Filed Oct. 27, 1922. Serial No. 597,274. 5 Claims. (Cl. 156—19.)



4. In a curtain rod, the combination with a pair of hollow endwise abutting rod sections, of an internal splicing member snugly fitting the meeting ends of said sections, said rod sections and splicing member having co-operating devices for locating the joint between said rod sections at the longitudinal center of said splicing member, and other co-operating devices for yieldably locking said splicing member in said rod sections.

1,481,982. AUTOMATIC ELECTROMAGNET ROVER STOP OR BREAKER FOR SPINNING MACHINES. DELBERT B. BRACE and WILLIAM B. THOMAS, Elmira, N. Y., assignors to Eclipse Textile Devices, Inc., Elmira Heights, N. Y., a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,122. 6 Claims. (Cl. 117—82.)

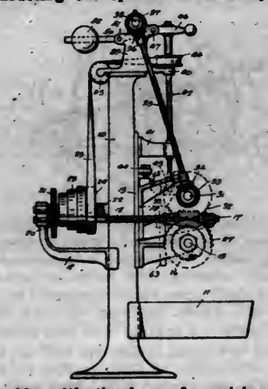


1. A device of the class described comprising a weight-operated electric switch controlled by the thread, such switch including a casing having a closed chamber, electrical contacts located in such chamber and arranged in an electrical circuit, a weight movable within such chamber, a stem secured to the weight and extending through the casing and provided with an eye through which the thread passes, and an electrically operated gripping means arranged in said circuit and adapted to grip the thread, said circuit being normally open but adapted to be closed by said weight upon the dropping of the latter when the thread breaks.

1,481,983. MACHINE FOR COUNTERBORING NUTS. HARRISON M. BRIGHTMAN, Columbus, Ohio, assignor of one-fourth to G. F. Brightman, one-fourth to H. L. Brightman, and one-fourth to J. H. Brightman, all of Columbus, Ohio. Filed Oct. 28, 1921. Serial No. 510,990. 4 Claims. (Cl. 77—22.)

1. In combination with a rotatable nut supporting feed table, a rotatable and vertically shiftable spindle having a counterboring tool and beneath which the nut holding means of the feed table are successively shiftable, means in rotatable connection with the spindle

for shifting the same vertically, including a shifting lever, adjustable weight controlled means engaging the lever for thrusting the spindle downwardly, a tripping



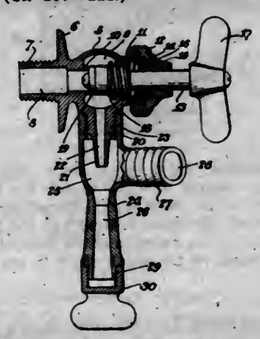
cam engageable with the lever for raising the spindle, and gearing connections between the tripping cam and the feed table rotating means as described.

1,481,984. PENCIL CLIP OR HOLDER. WILLIAM W. CARNETT, Mountain View, Ark. Filed May 11, 1923. Serial No. 638,310. 3 Claims. (Cl. 24—11.)



2. A device of the class described, comprising a pencil-holding socket provided with an offset grip extended transversely of the axis of the socket, the socket having free ends, one of which is provided with an inwardly extended flange spaced from the free end of the grip.

1,481,985. FAUCET. DAVID D. CHRISMAN, Elkins Park, Pa. Filed July 30, 1921. Serial No. 488,506. 3 Claims. (Cl. 137—111.)



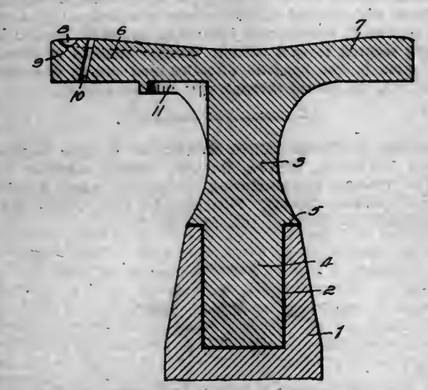
3. A faucet comprising a valve housing, a manually operable valve member mounted therein for controlling the passage of liquid to the interior thereof, an integral nipple extending therefrom and terminating in a nozzle at its end, a housing threaded on said nipple having a chamber within which the nozzle of the nipple extends, said housing having a passageway extending from said chamber in alinement with the nozzle, means for closing the end of said passageway, and a nipple integral with said housing adapted to receive the end of a hose, said nipple having a passageway extending to the central chamber.

1,481,986. METHOD AND APPARATUS FOR MEASURING ALTITUDES. JOSEPH G. COFFIN, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed Nov. 16, 1918. Serial No. 262,908. 11 Claims. (Cl. 73—2.)



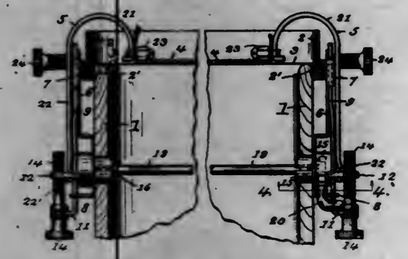
1. The method of determining the true barometric pressure around a body moving through the air which consists in measuring both the leading and the trailing air pressures and striking an average of the values of these pressures.

1,481,987. LAST. ABRAHAM COHEN, St. Louis, Mo. Filed Aug. 26, 1920. Serial No. 406,138. 4 Claims. (Cl. 12—128.)



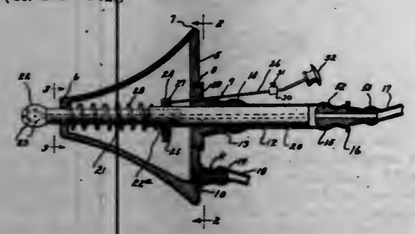
1. A last for applying either aluminum or wooden heels to ladies' shoes, comprising a supporting shank, a pair of opposed heads for supporting a shoe, one of said heads having a U-shaped marginal groove in its upper face for receiving and partially clinching the nails of aluminum heels when applying the heel to a shoe and the other head having a smooth curved upper face for finishing the clinching over of the nails when the shoe is transferred from the first mentioned head of the last to the latter.

1,481,988. SNARE DRUM. ROBERT C. DANLY, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed July 8, 1921, Serial No. 483,154. Renewed June 25, 1923. 14 Claims. (Cl. 84—415.)



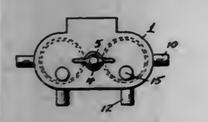
1. A drum having a snare extending across the head of the same, a pair of snare supporting members mounted at opposite sides of the drum, and means for imparting simultaneous movement to said embers in a path at substantially right angles to the face of the drum head.

1,481,989. SYRINGE. JOSEPH W. DEBEN, Detroit, Mich. Filed Nov. 15, 1922. Serial No. 601,155. 5 Claims. (Cl. 128—241.)



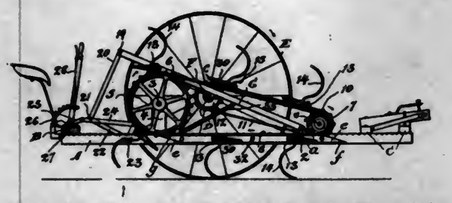
2. A device of the class described, comprising a tapered member having a tubular member passing through both ends thereof, a rod attached to a removable collar on said tubular member within said tapered member and extending without said tapered member whereby movement of said rod may move said tubular member in one direction and a spring secured to said tubular member adapted to move the same in the opposite direction and means whereby liquid may be passed through said tubular member.

1,481,990. HAND MILKING MACHINE. WALTER HAMILTON DELAHAYE, Ottawa, Ontario, Canada, assignor to The National Manufacturing Company Limited, Brockville, Ontario, Canada. Filed Apr. 11, 1923. Serial No. 631,468. 6 Claims. (Cl. 31—98.)



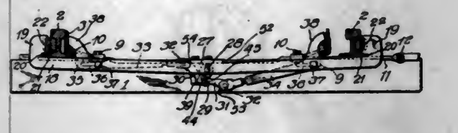
1. In a milk receiver, a tubular body, means to close the ends of said body, said body being vertically disposed, the closure means provided with a valve controlling the discharge therefrom, an admission port, and a suction port controlled by a float in the said body, the closures being provided with recesses for the ends of the tubular body, said recesses providing gasket seats and means to detachably clamp the closures on the body, the whole being provided with means to support the device on a portable frame.

1,481,991. CULTIVATOR. ANDREW LEE DONOGH, Griswold, Manitoba, Canada. Filed Dec. 14, 1921. Serial No. 522,421. 8 Claims. (Cl. 97—46.)



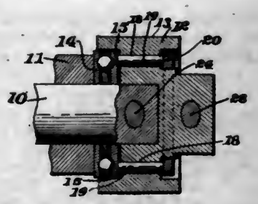
1. In a cultivator, in combination a frame; a drive shaft positioned above the same; traction wheels mounted on said shaft; means functionally intermediate said shaft and said frame whereby said frame is adjustably supported by said shaft; two shafts supported by said frame thereabove; two wheels mounted on each of the said shafts; drive belts co-operating with said wheels mounted on said second-mentioned shafts and passing around said drive shaft; a plurality of teeth carried by each of the said drive belts, and means circulating with said drive belts and associated with said teeth and adapted to co-act with said frame to maintain said teeth in operative position.

1,481,992. RAILWAY-SWITCH LOCK. JOSEPH R. DOOLEY, Mobile, Ala., assignor of one-half to Cornelius W. Vink, Mobile, Ala. Filed Oct. 11, 1923. Serial No. 667,882. 16 Claims. (Cl. 246—158.)



5. In a railway switch lock, means engaging the outer faces of the rails to prevent spreading, a pivotally mounted rocker member, and oppositely disposed locking bars pivotally mounted on said rocker member, and having limited loose connections with said means.

1,481,993. SHAFT-ADJUSTMENT DEVICE. CHARLES DRAKE, Endora, Kans. Filed Feb. 10, 1922. Serial No. 535,581. 5 Claims. (Cl. 64—49.)

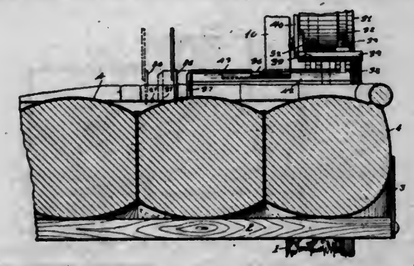


1. An attachment for a crank shaft comprising a rotatable pulley member securing means for holding the pulley member on the crank shaft, a thrust bearing, means coacting between the thrust bearing and the pulley member and movable in the direction of the shaft axis for limiting the movement of the crank shaft in an endwise direction.

1,481,994. FEEDING AND TAKE-UP DEVICE. JOSEPH W. DROLL, Oakland, Calif. Filed May 27, 1920. Serial No. 384,735. 22 Claims. (Cl. 112—3.)

1. The combination with a table adapted to support a mattress thereon and a mattress roll forming machine ar-

ranged to move intermittently around said table to form a roll on the edge of said mattress, of means mounted upon



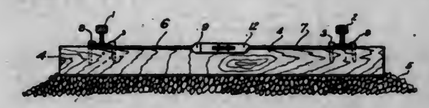
the machine for engaging the mattress to prevent movement of the same while said machine is in motion.

1,481,995. BUCKLE FOR WRIST-WATCH STRAPS AND THE LIKE. HERBERT HARRY DUKE, Nottingham, England. Filed Feb. 9, 1923. Serial No. 617,975. 8 Claims. (Cl. 24—175.)



1. In buckles for straps and the like, the combination of a buckle frame and a cover member hingedly mounted thereon, said cover member having a downwardly depending flange located at the end remote from the hinge, said flange and one end member of the frame each having co-operating fastening means for retaining the cover in closed position.

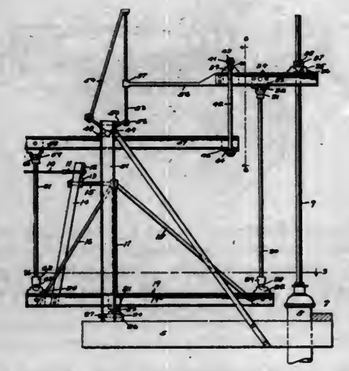
1,481,996. TRACK GAUGE AND BRIDLE BAR. OTIS DUNCAN, Birmingham, Ala., assignor of one-third to Dave Goldstein, Birmingham, Ala. Filed Apr. 13, 1923. Serial No. 631,947. 2 Claims. (Cl. 238—51.)



1. A bridle bar and gauge formed by two bars, each having at one end a rail engaging hook and at the other end a slotted portion, one of said slotted portions being bifurcated and adapted to receive the other, and a wedge inserted through the registering slots in said bar ends to hold the assembled bar in place with the desired gauge adjustment, said wedge having one straight side disposed to operatively engage the bifurcated end portion of one bar and having a shoulder disposed to interlock with the bridle bar when it has been adjusted to the maximum permissible track gauge.

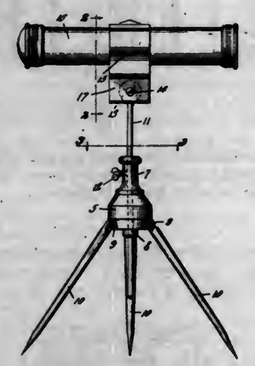
1,481,997. PUMPING JACK. JAMES A. EARLEY, Tyro, Kans. Filed Oct. 30, 1922. Serial No. 597,813. 3 Claims. (Cl. 74—14.)

1. In combination a vertically disposed pump rod, a main beam, an intermediate beam, and an upper beam, a connection between one end of the upper beam and the pump rod, a connection between the rear end of the upper beam and the intermediate beam, a connection between the rear end of the intermediate beam and the rear end of the



main beam and a connection between the front end of the main beam and the intermediate part of the upper beam.

1,481,998. FLASH-LIGHT STAND. HARRY H. ELDREDGE, East St. Louis, Ill. Filed July 14, 1921. Serial No. 484,797. 1 Claim. (Cl. 248—43.)

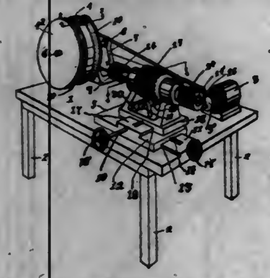


In a device of the character described, a body portion having an opening formed centrally thereof, leg members pivotally connected to the body portion, an extension having a tubular shank positioned in the central opening of the body portion, said shank having a threaded extremity, a nut operating on the threaded extremity to hold the extension in various positions of adjustment, a supporting rod having jaws at its upper end, extending through the extension and tubular shank thereof, and means passing laterally through the extension for securing the rod thereto.

1,481,999. BILLIARD-CUE MACHINE. ORA E. ELZEY, Akron, Ohio, assignor of one-half to H. Earl Williard, Akron, Ohio. Filed Dec. 20, 1920. Serial No. 431,864. 5 Claims. (Cl. 51—95.)

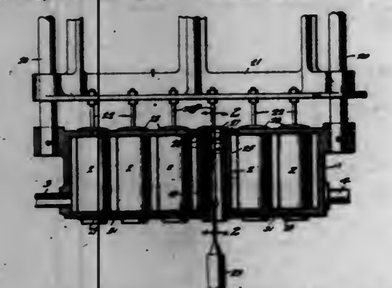
1. A cue tip and stick finishing machine comprising a supporting member, an abrasive wheel rotatably mounted on said member, a motor having belt connection with said wheel, a stick clamp independently adjustable longi-

radially and transversely of the supporting member and operatively connected to said belt, said operative con-



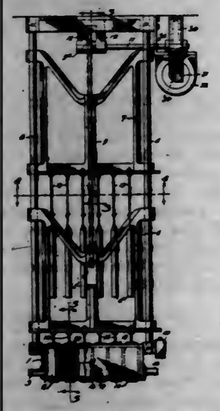
nections including a pinion fixed to said clamp, a worm shaft journaled in the clamp support and a pulley splined on said worm and driven by said belt.

1,482,000. CANDLE-FINISHING DIE. EVALD J. ENGMAN, St. Bernard, Ohio. Filed June 28, 1923. Serial No. 648,191. 11 Claims. (Cl. 18—12.)



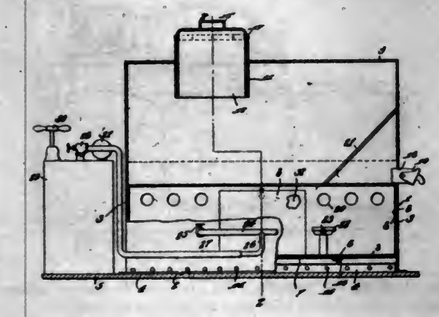
1. A candle finishing die, comprising a tubular member having a tapered bore, said bore having a circumferential groove therein between the ends thereof.

1,482,001. CANDLE-FINISHING MACHINE. EVALD J. ENGMAN, St. Bernard, Ohio. Filed June 28, 1923. Serial No. 648,192. 8 Claims. (Cl. 18—12.)



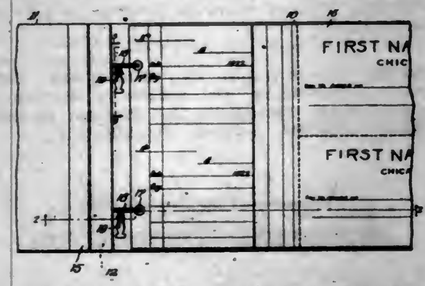
1. In a machine for finishing candles, finishing dies, means for drawing candles through said dies comprising mutually counterbalanced reciprocable members, and means for actuating said members.

1,482,002. TAR HEATER. HAROLD J. FRIEDMAN, Savannah, Ga. Filed July 12, 1922. Serial No. 574,401. 1 Claim. (Cl. 126—343.5.)



In a device of the class described, a box-like base and a cylindrical tank on the base, the tank being provided at one end with an outlet disposed close to the bottom of the tank, a sleeve in the top of the tank, a closure inserted into the sleeve and a screen extended between said end of the tank and the bottom thereof, the screen serving as a guard for the outlet and being so inclined as to tend to direct floating lumps toward the sleeve, whereby when lumps of material are introduced by way of the sleeve, such lumps will tend to fall upon floating lumps, thereby reducing the spattering of melted material through the sleeve, the sleeve extending an appreciable distance above and below the top of the tank for the double purpose of preventing spattering thruogh the sleeve and affording a large area for frictional contact with the closure.

1,482,003. LOOSE-LEAF CHECK BOOK. GRANT FRINK, Chicago, Ill. Filed June 5, 1922. Serial No. 566,016. 1 Claim. (Cl. 129—23.)

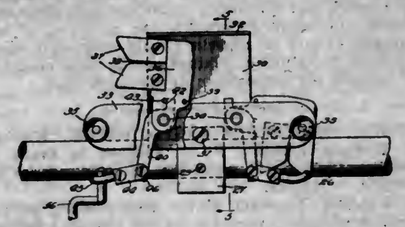


In a loose-leaf book comprising covers, a transverse strip interposed between the rear edges of the same, and having an inside and an outside strip of fabric connecting the same, and a series of leaves of paper having a plurality of correspondingly located apertures near the rear edge thereof, a plurality of longitudinally disposed ring shaped hooks one and each of which is flattened and straightened, and extends longitudinally therefrom and is provided with two integral sharpened spears on each longitudinal edge which are made by slitting said edges, and which puncture and attach the same to the cover.

1,482,004. SPINNING FRAME AND THE LIKE. JOHN P. GARRY, Elmira Heights, N. Y. Filed Apr. 28, 1921. Serial No. 465,236. 12 Claims. (Cl. 117—33.)

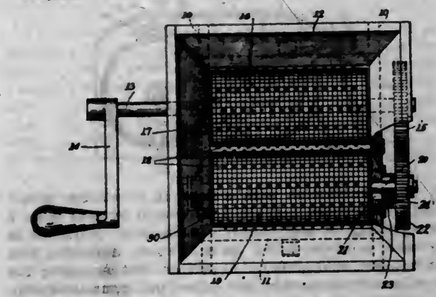
1. In combination with the drawing rolls of a spinning frame or the like, and with the bobbin, a movable thread guide located between the rolls and the bobbin, a stop device for the roving comprising a plate having a guide

opening for the roving, a clamping member pivoted at one end adjacent such opening and movable thereacross to catch and bind the broken roving thereat, and means con-



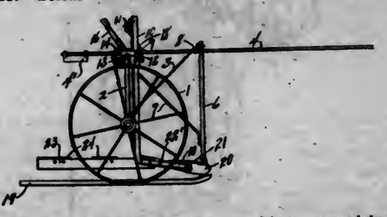
nected with such thread guide and dependent upon the normal working position thereof for controlling the action of such clamping member.

1,482,005. FRUIT GRINDER. FRANCESCO GIORDANO, Brooklyn, N. Y. Filed Nov. 18, 1922. Serial No 600,705. 2 Claims. (Cl. 100—47.)



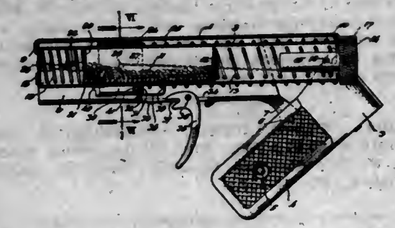
1. A device of the class described comprising a portable casing having converging upper walls and an open rectangular body, a pair of shafts rotatably mounted in the walls of the body, said shafts being geared to operate in unison, means for manually actuating said shafts, cylindrical wooden rolls fixed on said shafts, bands at the ends of said rolls, a coarse meshed netting circumjacent said rolls, said rolls being recessed to agree with the openings in the netting, and spring impelled plungers disposed in the mentioned recesses to normally extend outward.

1,482,006. INSECT-EXTERMINATING MACHINE. WILLIAM J. GOUALEY, Weatherford, Tex. Filed July 18 1923. Serial No. 651,265. 3 Claims. (Cl. 43—133.)



1. An insect exterminating machine comprising a wheeled truck, a gathering pan dragged by said truck, a frame member for said truck, hangers supported on said frame and vertically and laterally adjustable thereon, said hangers having horizontal forward extensions at their lower ends, gatherers attached to said extension and flared outwardly at their forward ends and projecting over said pan at their rear ends, bumper bars attached to said extensions, and a plurality of bumpers attached to each bumper bar and projecting over said pan.

1,482,007. TOY PISTOL. WALTER GRUPKA, Detroit, Mich. Filed Dec. 6, 1923. Serial No. 679,084. 10 Claims. (Cl. 124—13.)



1. In a toy pistol, a barrel, a magazine in said barrel adapted for holding projectiles, a spring actuated projector on said magazine adapted to receive projectiles one at a time from said magazine, a pivoted cocking handle carried by said barrel and adapted for retracting said projector, and a trigger mechanism adapted for holding said projector retracted until manually released.

1,482,008. AUTOMOBILE LOCK. CHARLES A. HAISLEY, Richmond, Ind. Filed May 15, 1922. Serial No. 560,911. 1 Claim. (Cl. 251—6.)



An automobile locking means comprising in combination with an exhaust manifold, a body adapted to be secured to the discharge end of the exhaust manifold with a passageway therethrough forming a continuation of the passageway through the manifold, a stem rotatably mounted in said body and extending out therefrom at right angles thereto, a valve shutter carried by said stem and adapted to be turned in said passageway in the body to open and close said passageway, a disc integral with said body and concentric of the stem, a second disc rigidly connected with said stem and contacting flat with the first disc, there being apertures formed through both of said discs with the apertures of one disc adapted to register with the apertures of the other disc, a padlock whose shackle is adapted to be inserted in two of said apertures when they register with each other, means whereby said stem may be turned manually, and means for limiting the rotation of the stem in either direction, all substantially as shown and described.

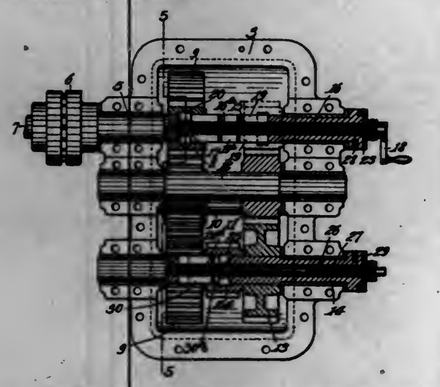
1,482,009. BELT BUCKLE. JOHN HEBERLING, Rochester, N. Y., assignor to Hickok Mfg. Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Aug. 4, 1922. Serial No. 579,617. 2 Claims. (Cl. 24—191.)



2. In a belt buckle, the combination with a buckle frame having a clamping surface thereon and a pivot pin supported on said frame, of a carrier formed from one piece of sheet metal and having a flange extending laterally from one side to provide a clamping device to cooperate with the clamping surface on the buckle frame, said carrier also having two arms formed at the opposite side and bent over the pivot pin to provide bearings and

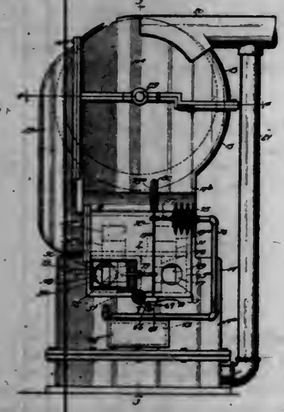
to secure the carrier to the pivot pin, a clamping member pivotally mounted in the bearings of the carrier to cooperate with the clamping surface of the buckle frame on the side of the pivot pin opposite the side on which the first mentioned clamping device is arranged, and means connected with said last mentioned member for effecting its movement toward and from the clamping surfaces on the buckle frame.

1,482,010. CHANGE-SPEED TRANSMISSION FOR LATHE FACEPLATES. JOHN A. HELLSTROM, Wheeling, W. Va. Filed Aug. 10, 1923. Serial No. 656,635. 5 Claims. (Cl. 74—57.)



1. A change speed transmission for lathe face plates, comprising a main transmission gear, a main drive shaft, a drive gear shiftable on said shaft, a countershaft, an idler gear fixed on said countershaft, said drive gear being shiftable into driving relation either to said main gear or to said idler gear, a low speed shaft, a gear fixed on said low speed shaft disposed permanently in mesh with said idler gear, a gear shiftable on said low speed shaft into and out of mesh with said main gear, and means carried by each the drive shaft and the low speed shaft whereby the shiftable gears are shifted.

1,482,011. APPARATUS FOR MIXING AIR AND GAS. THERON L. HIGGS, Niles, Mich. Filed May 31, 1919, Serial No. 301,112. Renewed May 31, 1923. 31 Claims. (Cl. 48—180.)

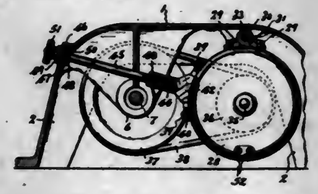


1. An apparatus of the character described comprising, in combination, a compressor of the positive blower type having an inlet and an outlet, a mixing chamber communicating with said inlet, air and gas inlet chambers communicating with said mixing chamber, a closed chamber having a diaphragm, means establishing communication between said compressor outlet and said diaphragm chamber, and means actuated in the movement of said diaphragm to vary the capacity of said compressor whereby to limit the volume of mixture passing therethrough to that required for consumption at any given time.

1,482,012. PROCESS FOR MAKING PAPER. WILLIAM R. HOWARD, Ballston, N. Y., assignor to Frank L. Belknap, Chicago, Ill. Filed Nov. 10, 1920. Serial No. 423,015. 4 Claims. (Cl. 92—49.)

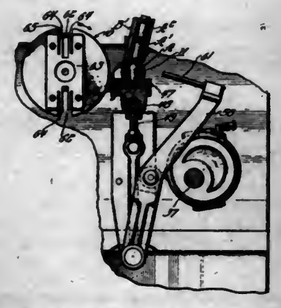
1. A process of treating the felt blanket of a paper machine consisting in passing the blanket through a mixture of clay and water whereby the surface of the blanket is insulated against adhesive substance.

1,482,013. BAND-SAW MACHINE. BENJAMIN E. JARVIS, East Orange, and LEONARD C. LOTZ, Newark, N. J. Filed June 30, 1921. Serial No. 481,531. 3 Claims. (Cl. 64—52.)



1. The combination with a base of an electric motor pivotally suspended beneath and covered by said base, a driving pulley on said motor, a main shaft journaled in said base, a driven pulley on said shaft, a driving belt running over said pulleys, a presser foot engaging the side of said motor toward said driven pulley, an internally threaded shank on said presser foot, an adjusting screw threaded into said shank, means for rotatably journaling said adjusting screw on said base, and said adjusting screw having an external end provided with a finger piece for manipulating the same.

1,482,014. WRAPPING MACHINE. CHARLES W. JOHNSON, Chicago, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a Corporation of West Virginia. Filed July 26, 1920. Serial No. 399,051. 7 Claims. (Cl. 107—45.)



1. In a wrapping machine, the combination of an article conveyor comprising elements acting successively to arrange the articles into successive rows of package form, a valve at the discharge end of said conveyor adapted to receive successive rows of articles, and means co-acting with said valve for discharging the rows successively from said valve.

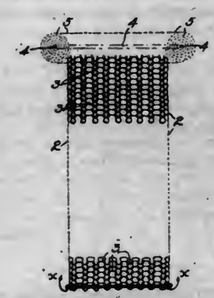
7. In a wrapping machine, the combination of a feed hopper adapted to receive a quantity of lozenge shaped articles, a conveyor communicating with said hopper and adapted to arrange the articles uniformly in transverse rows of package form, a cylindric valve member mounted at the discharge end of said conveyor, and provided with an article receiving slot adapted in one position of the valve to receive a row of the articles, and in another position to close the end of said conveyor, and a rocker arm provided with a series of push rods adapted to engage each of the articles in said last mentioned position of the valve, and to impel the same from said valve.

1,482,015. SHEET-METAL RECEPTACLE. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, a Corporation of West Virginia. Filed Dec. 17, 1921. Serial No. 522,989. 2 Claims. (Cl. 220—72.)



1. A sheet-metal can of the character described comprising a downwardly tapered body having vertical corrugations which increase in depth and decrease in width toward its lower end whereby reduction in diameter of said body is effected, said corrugations being terminated above the lower edge of said body, the uncorrugated lower edge portion having the surplus metal thereof laid over in flattened plait-like folds and being flexed at a suitable point in internal bead form to provide an internal downwardly facing shoulder and an external upwardly facing shoulder, a bottom fitted in underlying seated relation to the internal shoulder, and a reinforcing chime ring disposed in supporting relation to said bottom, said ring embracing said edge portion below said bead and having its outer edge turned inward into overlying relation to the external shoulder.

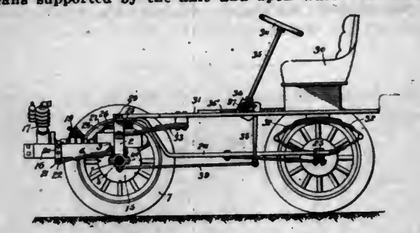
1,482,016. SCOURING IMPLEMENT. RUSSELL B. KINGMAN, Orange, N. J. Filed May 31, 1923. Serial No. 642,530. 2 Claims. (Cl. 15—208.)



1. A scouring implement comprising a tubular metallic fabric member spirally rolled upon itself in directions from both end-portions toward the central portion of the said member so as to provide adjacent annular bodies, each body forming an elastic spongiform mass, a non-stretchable restraining means within said rolled masses, and means for securing said rolled masses together.

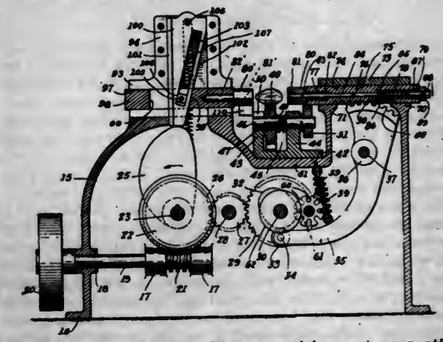
1,482,017. AUTOMOBILE PROPELLING MECHANISM. JOSEPH P. LEGGETT, deceased, late of Carthage, Mo., by Ida M. Leggett, administratrix, Carthage, Mo. Filed Nov. 12, 1921, Serial No. 514,462. Renewed Dec. 5, 1923. 19 Claims. (Cl. 180—89.)

1. In an automobile propelling mechanism, the combination with a front axle and carrying wheels supporting the axle, of a motor frame pivoted on a horizontal transverse axis on said axle, vertically resilient means supported by the axle and upon which the frame



is supported at a point forward of the axle, a motor carried by the frame forward of the axle, and means actuated by the motor for driving said carrying wheels, substantially as set forth.

1,482,018. NUT-CRACKING MACHINE. CHESTER S. LEONARD, Lansdowne, Pa. Filed Nov. 13, 1922. Serial No. 600,700. 10 Claims. (Cl. 146—12.)

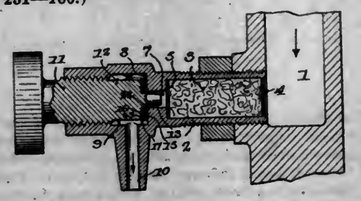


1. A nut cracking machine comprising nut supporting means, an anvil and a ram plunger operable in the plane of the supported nut at opposite ends thereof, means for reciprocating said ram, a slide having an angular edge movable transversely in said anvil, resilient means for actuating said slide in one direction, a cam directly retracting said slide, said slide having an oblique slot parallel with its angular edge, and a block carried by said anvil engaging the slot in said anvil to retract the same.

1,482,019. [WITHDRAWN.]

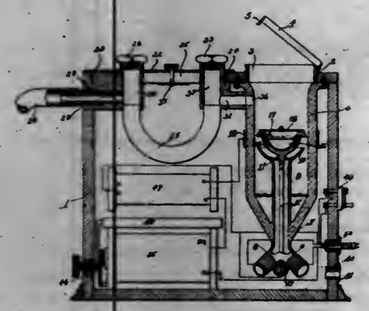
1,482,020. [WITHDRAWN.]

1,482,021. VALVE. ORTON C. LITTLE, Menasha, Wis. Filed July 16, 1919. Serial No. 311,143. 10 Claims. (Cl. 251—160.)



6. A valve head comprising a set of apertured disks, and means for bypassing a limited amount of fluid thru an intermediate disk whereby the valve head can never entirely shut off the fluid supply.

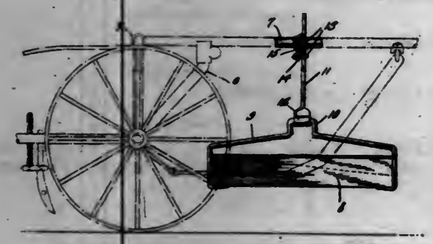
1,482,022. AIR-PURIFICATION APPARATUS. HERMAN A. LOOSE, Cleveland, Ohio, assignor to William E. Trego, Cleveland, Ohio. Filed Sept. 19, 1919. Serial No. 324,910. 6 Claims. (Cl. 167—3.)



2. An apparatus of the class described comprising an internal and an external electrode adapted to receive an electrical discharge therebetween, said internal electrode being provided with a cup-shaped member, said cup-shaped member being provided with a series of openings about its periphery, a tubular member surrounding said internal electrode for conducting heated air thereto and an insulating member interposed between said electrodes and formed integral with said tubular member.

3. An apparatus of the class described comprising a case, an insulating member supported in said case and provided for the plurality of electrodes adapted to receive an electrical discharge therebetween, means for supporting a liquid adjacent said electrodes a relatively large opening in said case for emitting the products of said discharge and the vapors of said liquid to the room, means for closing said opening, and means for delivering the products of said discharge through a smaller opening for individual use.

1,482,023. BOLL-WEEVIL MACHINE. WILLIAM B. MANN, Sr., Marianna, Ark. Filed July 31, 1923. Serial No. 654,879. 1 Claim. (Cl. 43—133.)



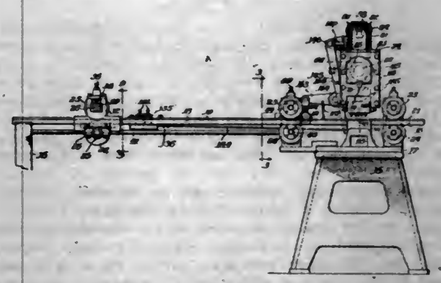
In a device of the character described, a cultivator frame, pans supported by the cultivator frame, each of said pans including a bail, said bail having offset portions, curved arms having loops formed at the lower ends thereof and adapted to accommodate the offset portions of the bails, a bar disposed above the pans, means for connecting the arms to the bar to permit of lateral and vertical adjustment of the arms and pans supported thereby.

1,482,024. GOLF-TEE MOLD. WILLIAM G. MUNN, Louisville, Ky. Filed Sept. 20, 1922. Serial No. 589,491. 3 Claims. (Cl. 46—4.)



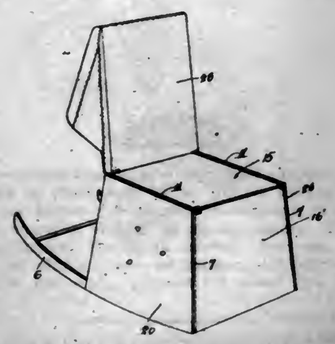
1. A golf tee mold formed with spring split side walls of conical shape, open at each end, the larger end arranged to receive the material for the tee and the other the thumb of the operator, and a stop at the smaller end, for the purpose specified.

1,482,025. CUTTING AND PUNCHING MACHINE. ALEXANDER J. NEUHENGEN, Chicago, Ill. Filed June 8, 1921. Serial No. 474,657. 17 Claims. (Cl. 164—15.)



1. In a cutting and punching machine, the combination of cutting and punching mechanism, continuously operating stock feeding means, a finger normally disposed in the path of the advancing stock, driving means for said cutting and punching mechanism controlled by said finger, and means actuated by said driving means for moving said finger into inoperative position.

1,482,026. FIRE ESCAPE. RICHARD D. NILSON, Denver, Colo. Filed June 24, 1921. Serial No. 480,061. 1 Claim. (Cl. 227—9.)



A device of the class described comprising an elongated frame structure adapted to form a chair, said frame including a series of pivotally connected frame bars, loosely connected panels mounted upon the frame structure, hook members mounted on the frame structure to support the same from a window sill, said structure including side

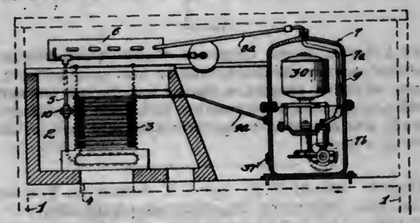
panels, cross arms extending transversely between the panels and connected thereto to form a reel, and a flexible ladder attached to the ends of two of the frame bars and normally wound upon the said reel and adapted to unwind therefrom when said structure is open.

1,482,027. TOOTHBRUSH. WILLIAM OCHSE, San Antonio, Tex. Filed May 14, 1923. Serial No. 638,805. 2 Claims. (Cl. 15—167.)



1. A tooth-brush including a back provided upon one face with outer rows and an intermediate row of bristle tufts, said rows of tufts extending in contiguous approximately parallel relation longitudinally of the back, the free ends of the bristle tufts of the outer rows being trimmed flat to normally reside on the same plane and the tufts of the intermediate row being trimmed to taper outwardly of the back beyond the flat face of the outer rows.

1,482,028. ARTIFICIAL-REFRIGERATING APPARATUS. EARL P. OSWALD and CLARENCE M. HOLLEY, Detroit, Mich., assignors to Utility Compressor Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 9, 1919. Serial No. 329,469. 6 Claims. (Cl. 62—115.)



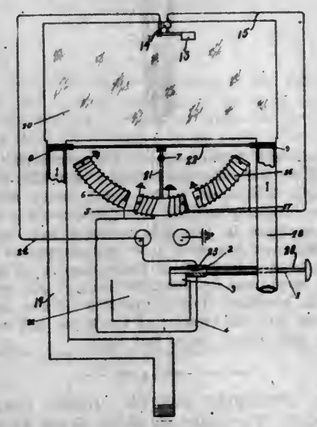
1. In artificial refrigerating apparatus, the combination with the compression and expansion coils for the refrigerant, of a chamber sealed to atmosphere into which the expansion coils discharge, a pump and a motor entirely housed within the chamber and subject to the cooling influence of an expanded refrigerant, said pump taking its supply of refrigerant from the chamber and discharging the same to the compression coils exteriorly of the chamber, the said chamber providing an oil receptacle, a driving connection betwneen the pump and motor immersed in the said oil, a conduit connecting the compression and expansion coils, and an expansion valve in the last named conduit.

1,482,029. WARDROBE-TRUNK-DRAWER RETAINER. RICHARD W. OWEN, Jr., Chicago, Ill., assignor, by mesne assignments, to The Indestructo Trunk Corporation, Mishawaka, Ind., a Corporation of Indiana. Filed Nov. 8, 1920. Serial No. 422,733. 2 Claims. (Cl. 45—94.)



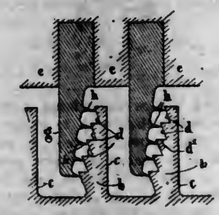
1. In drawer retaining and locking devices, a series of drawers, a removable rigid member adapted to pass in front of the drawers to be held, means for holding the lower end of said member against sidewise movement, and means comprising a hook on the upper end of said member to pass over and down inside one of the drawers, said drawer being locked to retain said member in locking position by its interposition between the drawer and its support.

1,482,030. OIL PUMP. JOE C. PALMER, Fort Worth, Tex. Filed May 8, 1923. Serial No. 637,472. 2 Claims. (Cl. 221—100.)



1. A liquid feeding device comprising a tank provided with inlet and discharge valves, two stationary magnets and a swinging magnet positioned between and spaced from said stationary magnets, a lever carrying said swinging magnet, a sliding bar provided with lugs projecting in the path of the short end of said lever, means for energizing one of said magnets and said swinging magnet for actuating said lever to open the inlet valve and to close the discharge valve, and means to be actuated by liquid accumulating in said tank for energizing the other stationary magnet and said swinging magnet for actuating said lever and bar to close said inlet valve and to open said discharge valve.

1,482,031. PACKING FOR ROTATING BODIES. CHARLES ALGERNON PARSONS and ALFRED QUINTIN CARNEGIE, Newcastle-on-Tyne, England; said Carnegie assignor to said Parsons. Filed Jan. 18, 1923. Serial No. 613,516. 4 Claims. (Cl. 286—10.)



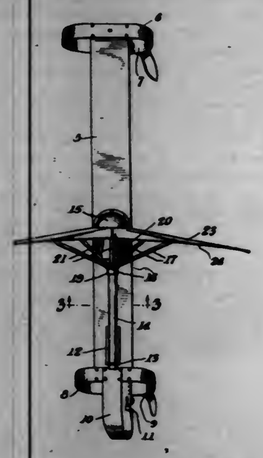
1. In combination a pair of relatively rotatable coaxial bodies, barrier means associated with one of said bodies, said barriers consisting of steps having rises and treads, a plurality of knife edges all disposed parallel to the axis of rotation of said bodies, carried by the other body and engaging the rises of said steps, the points of contact between adjacent knife edges and rises lying in a line at an angle other than a right angle to the axis of rotation of the bodies.

1,482,032. THERMOSTATIC CIRCUIT CLOSER. FRANS PAWLIK, Rorschach, and KARL ALTHERR, Horn, Switzerland, assignors to Jacob Schmidheiny, Hierbrugg, St. Gallen, Switzerland. Filed Mar. 15, 1921. Serial No. 452,624. 2 Claims. (Cl. 200—142.)



1. An electric contact device for automatic temperature alarm devices, in combination, a cartridge consisting of a metallic tube closed at one end, a fusible mass being an electric insulator melting at a predetermined temperature and enclosed in said tube, a metal body and metal balls arranged inside said tube and supported by said fusible mass and deprived of their support on the mass becoming fused, and an insulated contact pin projecting through an air-tight closure provided at the other end of said tube into the interior of the latter and co-operating with said metal balls and body.

1,482,033. SWIMMING DEVICE. JOSEPH PUKEL, New York, N. Y. Filed June 11, 1923. Serial No. 644,609. 2 Claims. (Cl. 9—21.)



1. A swimming device comprising a strip of material and means associated therewith to secure the same to a person's lower limb above the foot, a bar fixed on said strip to extend at a spaced distance parallel therewith, a shield fixed to said strip above said bar, ribs pivoted within said shield, a runner on said bar, stretched rods engaging said ribs with the runner, a covering over said ribs, and means for limiting the folding of said ribs against said bar.

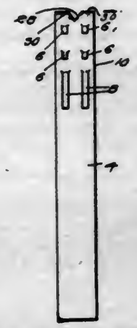
1,482,034. SANITARY CHICKEN PERCH. DANIEL J. REEN, Clyman, Wis. Filed Sept. 11, 1922. Serial No. 587,500. 3 Claims. (Cl. 119—25.)

1. A sanitary perch for fowls comprising a tubular member for holding an insecticide, said member being provided with perforations; an absorbent strip secured to said tubular member over said perforations, adapted to receive said insecticide therefrom and distribute it over



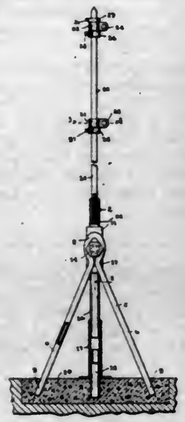
the surface of said tubular member; and a foot-rest member of a width greater than said absorbent strip also secured to said tubular member.

1,482,035. CLIP AND HANDLE FOR CIGAR BOXES. CHARLES C. ROBERTS, Ansonia, Conn. Filed Oct. 21, 1922. Serial No. 596,033. 3 Claims. (Cl. 217—61.)



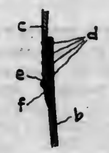
1. A device of the character described, comprising a resilient sheet metal clip having an arm provided with a series of biting tongues, a spring eye formed therewith having an open loop terminating in a knife edge directed toward said arm, and means formed on said arm for supporting a card.

1,482,036. FLAGPOLE. LOUIS H. SCHABLOW, New Berlin, Wis. Filed Aug. 28, 1922. Serial No. 584,782. 3 Claims. (Cl. 116—173.)



2. In a device of the class described, a rigid support; a socket member pivotally carried by said support; an upwardly extending pole carried by said socket member; a downwardly extending rod member also carried by said socket; a rigid post beneath said support; and means slidably carried by said downwardly extending member adapted to engage said post for locking the parts in a substantially vertical position.

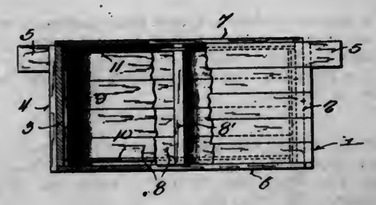
1,482,037. FOOTWEAR. PEARL Y. SMILEY and FREDERICK W. KNIBBS, Kitchener, Ontario, Canada. Filed May 13, 1922. Serial No. 560,619. 2 Claims. (Cl. 36—57.)



1. In a boot of the type described consisting of a rubber lower portion the exterior of which constitutes the exterior of the boot at that part, a leather upper having its lower edge overlapping the exterior surface of the rubber portion adjacent the upper edge thereof, and a rubber bead surrounding the boot and having its top edge abutting the edge of the overlapping portion of the leather upper, said bead forming an integral part of the rubber lower portion.

2. In a boot of the type described consisting of a rubber lower portion the exterior of which constitutes the exterior of the boot at that part, a leather upper having its lower edge overlapping the exterior surface of the rubber portion adjacent the upper edge thereof, and a rubber bead surrounding the boot and having its top edge abutting the edge of the overlapping portion of the leather upper, said bead being of increased thickness at its top edge and tapered towards its bottom edge and forming an integral part of the rubber lower portion.

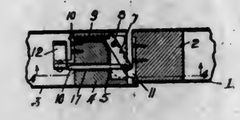
1,482,038. SHIPPING CRATE. LESTER SMITH, Port Washington, Wis., assignor of one-fourth to Delos H. Smith, one-fourth to Delia B. Smith, and one-fourth to Oliver H. Smith, all of Port Washington, Wis. Filed Oct. 12, 1922. Serial No. 594,064. 1 Claim. (Cl. 217—5.)



The combination of an outer shipping container having side, bottom and end walls and a top, and an inner container having a bottom provided with transverse cleats to space it from the outer container bottom, and having side walls extending the full length of the interior of said outer container and contacting with the ends thereof, transverse cleats secured externally of the side walls of said inner container, said inner container having end walls spaced from the end walls of said outer container and located between the side walls of said inner container, and a removable top for said inner container snugly fitting within said outer container and contacting with the end and side walls thereof and provided with cleats upon its upper side, whereby the top of said inner container is held in position when the first mentioned top is in position.

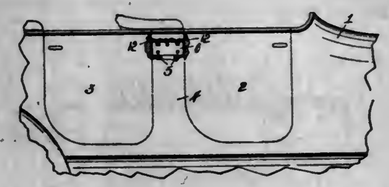
1,482,039. DOOR LOCK. HARRY N. SORENSON, Toledo, Ohio. Filed Nov. 12, 1921. Serial No. 514,450. 2 Claims. (Cl. 292—223.)

1. The combination with a door and jamb, of a channel plate set into the free edge of the door with its channel extending transversely thereof, a catch lever of bar form pivoted in the channel plate for swinging movements toward and away from the jamb and adapted to stand at an incline to the door edge with one edge projecting beyond such edge, a spring acting on one end of the lever to normally retain it in said projecting



position, operating means connected to the other end of the lever, and a catch lug fixed to the jamb and having a catch surface for engagement with the outer end of the catch lever, such surface being inclined and disposed at substantially a right angle to the longitudinal axis of the catch lever when in normal projected position.

1,482,040. DOOR HINGE. HARRY N. SORENSON, Toledo, Ohio. Filed Oct. 24, 1921. Serial No. 509,886. 6 Claims. (Cl. 16—135.)



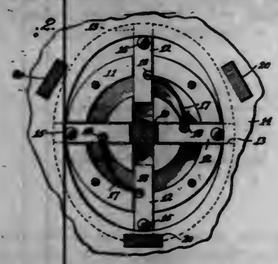
1. A hinge of the class described comprising a jamb-plate for attaching to a side of a door jamb, a socket member projecting inwardly from the plate adjacent to the door opening end thereof, with its socket facing and open to the door opening, the socket member having an opening at the top of its plate end and having a pivot receiving hole in its bottom portion below such top opening, and an L-shaped projecting hinge member for attaching to a door edge and having its outer angled end lying in the socket member longitudinally thereof when the projecting member is in closed position, said projecting member having a pivot projecting downward from its free end portion into the hole of the socket member, the projecting member being removable upward from engagement with the socket member through its top opening when swung to a predetermined open position relative to the socket member.

1,482,041. DOOR BUFFER. HARRY N. SORENSON, Toledo, Ohio. Filed Dec. 12, 1921. Serial No. 521,597. 5 Claims. (Cl. 16—86.)



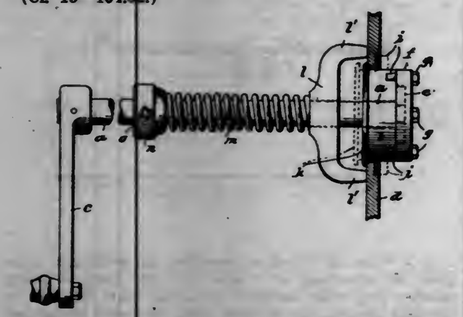
1. In a buffer of the class described, a socket member formed of sheet metal having successive U-shaped loops to provide a center loop for receiving the projecting member of the buffer and side loops for receiving buffer members.

1,482,042. TOOL FOR CLEANING HANDHOLES. HARRISON L. STALEY, Richmond, Va. Filed June 30, 1921. Serial No. 481,646. 9 Claims. (Cl. 15—104.02.)



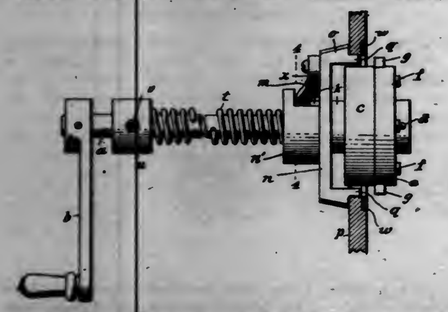
2. In a tool for the purpose set forth, a shaft carrying a tool-head, a plurality of tools carried by said head, and means for connecting the adjacent tools to cause one to move outwardly when the other is forced inwardly.

1,482,043. GASKET-SEAT-CLEANING TOOL. HARRISON L. STALEY and FRANK J. ROCK, Richmond, Va. Filed Apr. 6, 1920. Serial No. 371,649. 15 Claims. (Cl. 15—104.02.)



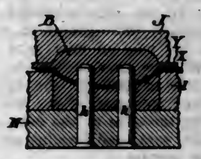
15. In a tool for the purpose set forth, a rotatable shaft, a cutter-head freely mounted on said shaft and having grooves therein, cutters slidingly movable in said grooves, means connected to said shaft and engaging said cutters so as to slidingly move the same on the rotation of said shaft, and means for holding said cutter-head stationary temporarily when said shaft is rotated.

1,482,044. GASKET-SEAT-CLEANING TOOL. HARRISON L. STALEY, Richmond, Va. Filed Apr. 6, 1920. Serial No. 371,650. 10 Claims. (Cl. 15—104.02.)



1. In a tool of the class described, a circular rotary cutter-head, a shaft carrying the cutter-head, means whereby the cutter-head is held to its work, and means within the head whereby the cutting-edges of the cutter are caused to describe a non-circular path during cutting action, said means embodying a cam-member having partial rotatability independently of the head to permit insertion of the head into the hand-hole, substantially as set forth.

1,482,045. METHOD OF MAKING BUTTON COLLETS. EMORY WARD STEARNS, Roslyn, N. Y., assignor to Parker, Stearns & Company, Brooklyn, N. Y., a Corporation of New York. Original application filed June 30, 1922, Serial No. 572,045. Divided and this application filed Apr. 19, 1923. Serial No. 633,127. 1 Claim. (Cl. 18—59.)



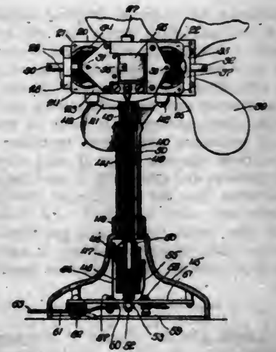
The herein described method of forming rubber button members which consists in placing between suitable mold members a sheet of cloth and a sheet of rubber, pressing the mold section together to give form to the button members while connected by a thin sheet, then vulcanizing and subsequently cutting the button members from the sheet and finishing them in the usual way.

1,482,046. BUTTON COLLET. EMORY WARD STEARNS, Roslyn, N. Y., assignor to Parker, Stearns & Company, Brooklyn, N. Y., a Corporation of New York. Filed June 30, 1922. Serial No. 572,045. 5 Claims. (Cl. 24—245.)



4. A button comprising a base plate carrying a headed post and a flanged rubber button member having stiffening material therein held on the base plate by the post with the stiffening material extending under the headed portion of the post.

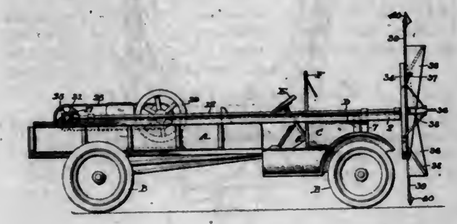
1,482,047. ELECTRIC FAN. ARTHUR STEINBACH, Chicago, Ill., assignor of one-half to Joseph Weber, Chicago, Ill. Filed Nov. 3, 1921. Serial No. 512,427. 1 Claim. (Cl. 172—36.)



An electric motor comprising two parallel flat plates having confronting concave ends at each end and joined together near their mid-portions by a magnet core; a coil surrounding the core; an armature between the

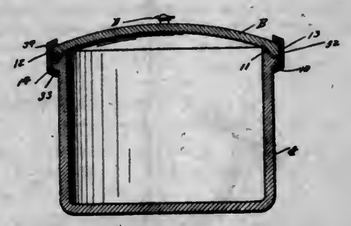
plates at each end thereof; an electric circuit including both armatures and the coil in series and a support, upon which the motor is rotatably pivoted, in axial alignment with the core.

1,482,048. SNOW REMOVER. FRED D. STEPHENSON, Osceola, Iowa. Filed May 28, 1923. Serial No. 642,135. 6 Claims. (Cl. 37—43.)



1. A snow remover comprising a frame adapted to be supported by a truck, shafts extending longitudinally thereof, means for rotating said shafts in opposite directions, a circular frame carried by each of said shafts in front of the truck, each circular frame having two fan blades carried thereby side by side and extending beyond the circumference of the frame, each blade tapering from its outer wide portion to the opposite side of the frame, the two blades of each frame tapering in opposite directions, and cutting elements carried by the frame and extending outwardly farther than the fan blades.

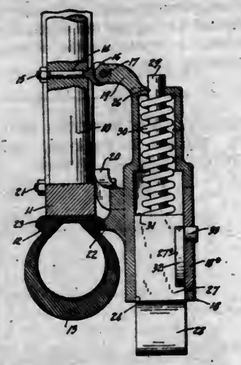
1,482,049. CLOSURE CONSTRUCTION FOR PRESSURE COOKERS. NELS E. SWANSON, Denver, Colo., assignor to Abram G. Cox, Denver, Colo. Filed June 3, 1922. Serial No. 565,598. 3 Claims. (Cl. 220—61.)



1. In a receptacle in which a pressure occurs, a closure seated on said receptacle along a surface inclined downwardly and outwardly, the lower edge of the closure being out of contact with the receptacle, the closure having a cam surface on one side of the seat, the receptacle having a cam surface on the other side of the seat, a fastening element of channel formation surrounding and intimately engaging the outer surfaces of the receptacle and closure and having cam surfaces in engagement with said cam surfaces, and the fastening element being adjustable according to the pressure within the vessel and the degree of contact of the receptacle and closure at their seat.

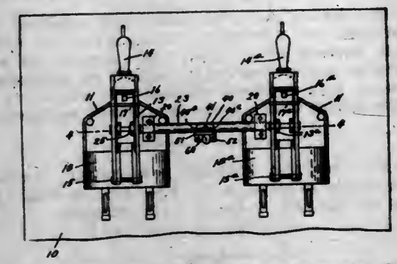
1,482,050. MUD LUG FOR WHEELS. LEONARD W. Timberlake, Oskaloosa, Iowa. Filed Oct. 21, 1922. Serial No. 596,010. 5 Claims. (Cl. 301—51.)

4. In combination with a wheel having a demountable rim, members pivoted to the wheel and embodying portions engaging the rim in one position to prevent removal of the rim, means for securing the members in



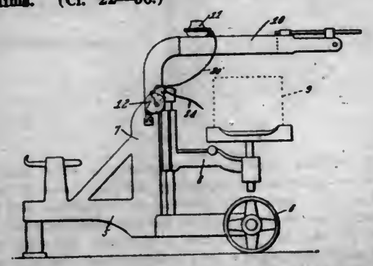
such position, and plungers carried by the members and extensible therefrom to engage with the ground.

1,482,051. SWITCH INTERLOCK. HERBERT F. TURNER, Cambridge, Mass., assignor to Sears B. Condit, jr., Boston, Mass. Filed Jan. 2, 1920. Serial No. 348,866. 13 Claims. (Cl. 200—42.)



1. An electric switch having a movable member formed with a locking aperture, a stationary member, a locking-bolt movably carried thereby arranged to be moved manually into and also out of the aperture in said movable member to lock said movable member against or unlock it for operation and means to lock said locking bolt against movement to said stationary member in both positions of said locking bolt.

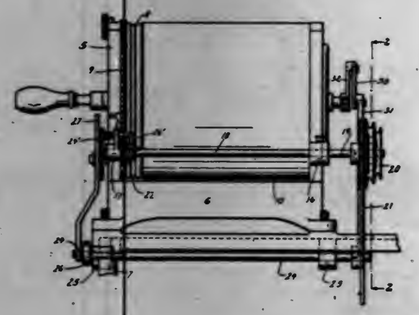
1,482,052. SWITCH. ROY E. VAN HOOSEAR, Hillsdale, Mich. Filed Nov. 4, 1920. Serial No. 421,740. 2 Claims. (Cl. 22—56.)



1. In a moulding machine, a frame, a mould support forming a part of the frame, a movable arm mounted above the mould support, said movable arm adapted to support a pattern, a switch member including stationary

contact members, and a pair of movable contact members, means for connecting the movable contact members and the pattern supporting arm, a vibrator carried by the pattern supporting arm, and said movable contact members adapted to engage the stationary contact members to complete a circuit to the vibrator to move the pattern supporting arm.

1,482,053. MEANS FOR DRIVING MULTIGRAPH APPARATUS. WALTER E. VERKLER, Chicago, Ill. Filed Oct. 10, 1921. Serial No. 506,841. 6 Claims. (Cl. 101—243.)



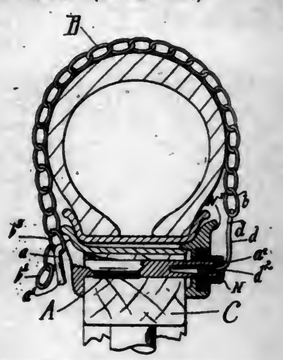
1. In a driving means for a multigraph apparatus, the combination with a revoluble printing drum, of a transversely disposed power driven shaft mounted on said apparatus; and driving means mounted for longitudinal movement with respect to the shaft and adapted to be directly applied to said drum, substantially as described.

1,482,054. DUPLEX WRITING IMPLEMENT. ANICETO VISITACION, Brooklyn, N. Y. Filed Apr. 18, 1922. Serial No. 555,103. 3 Claims. (Cl. 120—42.)



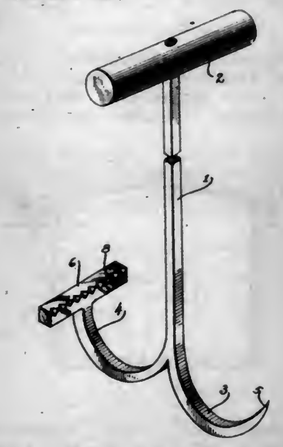
1. A writing implement comprising a body having a pair of longitudinally extending parallel bores of unlike sectional area said body having an elongated slot near its operative end therein, a stationary marking point contained in one of the bores, a movable marking point in the other bore, means for projecting said movable marking point into position to obstruct the point of the stationary element, and a bowed spring fixed in the mentioned slot for holding said movable point in either of its adjusted positions.

1,482,055. ANTISKID CHAIN. OLIVER BRUCE WALKER, Cincinnati, Ohio. Filed Jan. 7, 1921. Serial No. 435,582. 7 Claims. (Cl. 152—14.)



1. The combination of an automobile wheel-structure having a bore in one side, a hook having an open throat mounted on the opposite side of the wheel, an anti-skid chain having links, any one of which adjacent to one end is adapted to be mounted on the hook, and a spring clip mounted on the other end of the chain and adapted to engage in the bore in the wheel-structure.

1,482,056. HOOK. CHARLES R. WATKINS, Memphis, Tenn. Filed May 10, 1923. Serial No. 638,037. 1 Claim. (Cl. 294—26.)

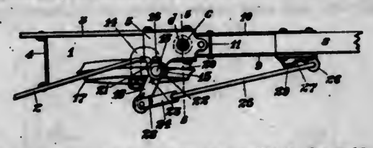


A tool of the class described comprising a handle, a shank bifurcated at its outer free end and forming a pair of arms, said arms being bent in opposite directions, one of said arms provided with a T-head and having serrations on its upper edge.

1,482,057. TONGUE TRUCK. FREDERICK D. WILSON and OSCAR F. CARLSON, Moline, Ill., assignors to Deere and Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 15, 1916, Serial No. 115,032. Renewed Nov. 6, 1920. Serial No. 422,384. 14 Claims. (Cl. 280—82.)

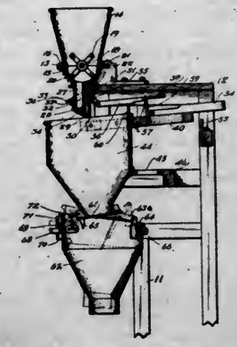
1. The combination of a draft device arranged to normally exert draft on a central draft line and laterally movable to exert draft on lines inclined to the line aforesaid, a support connected to the draft device, a ground engaging steering wheel oscillatable relatively to the support from

a normal central line to a predetermined limit, and a power transmitter with two inter-engageable elements, one carried by the frame and the other carried by the draft



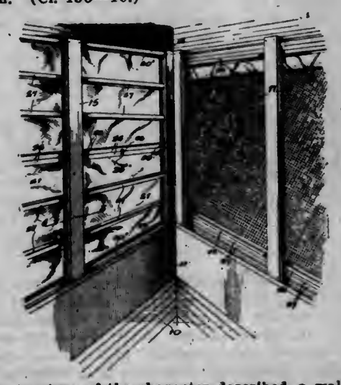
device and arranged to positively oscillate the said wheel relatively to the support through part of the path to said limit, the wheel being freely oscillatable through the remainder of the path to said limit.

1,482,058. WEIGHING DEVICE. RICHARD J. ZANONE, Louisville, Ky., assignor to Vogt-Zanone Scales Company, Louisville, Ky., a Corporation of Kentucky. Filed Mar. 20, 1922. Serial No. 545,168. 8 Claims. (Cl. 249—48.)



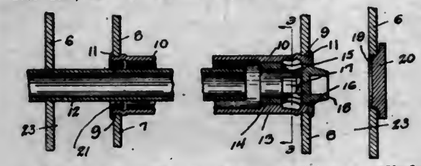
1. In a weighing machine, a storage hopper having a pair of outlet passages, a weighing hopper mounted to move downwardly under the influence of weight therein and positioned below said passages, a pair of gates each controlling a respective passage, a toothed ratchet operatively connected to said gates to hold them open, and a pawl member on the weighing hopper positioned to release one and engage the next tooth of said ratchet as the weighing hopper moves downward.

1,482,059. CURTAIN. SAMUEL B. ZIMMER, El Centro, Calif. Filed Sept. 15, 1921. Serial No. 500,750. 1 Claim. (Cl. 156—10.)



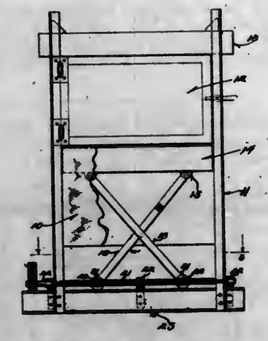
In a structure of the character described, a wall having an elongated opening, a plurality of studs arranged in parallel relation across the opening and in vertical relation to said wall, a board secured upon the inner edge of each stud and projecting from each side thereof, and a strip secured upon each side of each of said studs and adapted to cooperate with the associated extended board portions to provide guideways for the purpose described.

1,482,060. BOILER-PIPE CONNECTION. VITTORIO ANDRIOLI, Schenectady, N. Y. Filed Sept. 18, 1920. Serial No. 411,042. 5 Claims. (Cl. 137—76.)



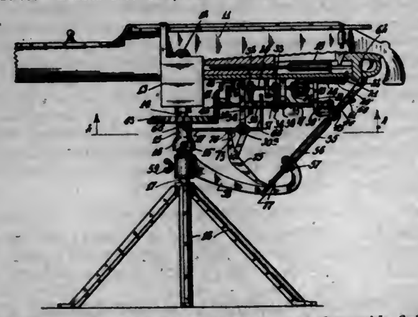
1. A closure cap for a pipe, comprising a cylindrical member having means at its inner end for engaging the interior of the pipe, and being tapered at its outer end to form a wedge fit with the end of the pipe.

1,482,061. THRUST-BAR PRESS. OTTO ALBERT, Milwaukee, Wis., assignor to Galland-Henning Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 1, 1921. Serial No. 512,086. 1 Claim. (Cl. 100—11.)



In a press, a platen, a thrust bar therefor, having legs, spacer rods for supporting the lower ends of said legs, a screw, a traveler thereon rigid with said spacer rods, rollers on said spacer rods, guide rods and sleeves on said guide rods affixed to said spacer rods.

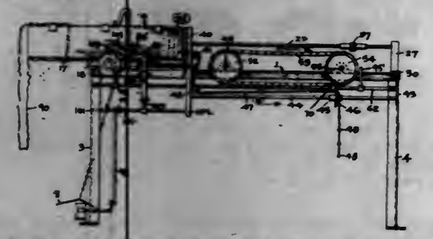
1,482,062. AUTOMATICALLY-SWINGING MACHINE GUN. CARL BABITS, Catasauqua, Pa. Filed May 7, 1923. Serial No. 637,096. 3 Claims. (Cl. 89—2.)



1. In a machine gun, a gun proper, a reciprocable firing pin therein, a support therefor, and means controlled by the said firing pin for oscillating said gun on said sup-

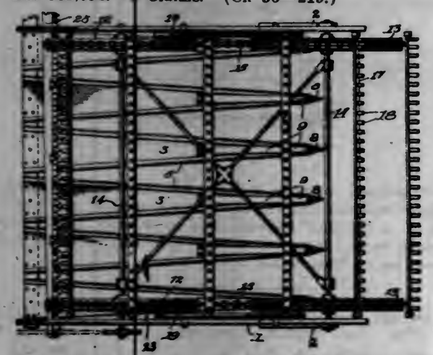
port, said means being adjustable to cause vertical or horizontal oscillation of the gun as may be desired, and including a shaft adapted by longitudinal shifting movement to cause selective operation of the respective oscillating means.

1,482,063. MACHINE FOR STUFFING CUSHIONS AND THE LIKE. CHARLES H. BAER, San Francisco, Calif., assignor of thirty-three and one-third per cent to Arthur L. Holmes, San Francisco, Calif. Filed June 1, 1920. Serial No. 385,587. 2 Claims. (Cl. 226—46.)



2. A device such as described comprising an open-ended container; a plunger within said container; an endless belt adjacent said plunger and means on said plunger for engaging said endless belt and to move said plunger forwardly and rearwardly and to disengage therefrom at a predetermined point on the rearward stroke, the part of said means causing rearward movement being adjustable for regulating the length of the forward stroke of said plunger.

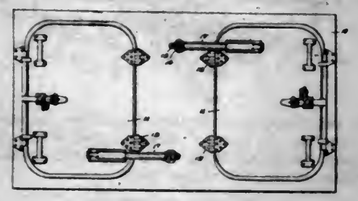
1,482,064. WEED-CUTTING DEVICE. HUGH STEPHEN BEATON, Olympia, Wash. Filed Aug. 18, 1922. Serial No. 582,794. 4 Claims. (Cl. 56—219.)



1. An attachment of the character described comprising a series of relatively spaced longitudinal outwardly tapering gathering finegrs, cutting blades secured to the sides of said fingers and extending laterally from their marginal portions, teeth secured to the forward ends of each of said gathering fingers having cutting edges formed on their opposite sides corresponding to the arrangement of the cutting blades and aligning therewith and means supported above said fingers and movable rearwardly over the same for directing matter into engagement with said blades.

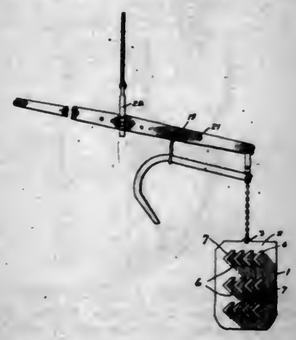
1,482,065. LID PROP. LOUIS B. CRAIG, Davenport, Iowa. Filed Nov. 3, 1920. Serial No. 421,605. 7 Claims. (Cl. 292—262.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A lid prop, including a bracket; consisting of a plate bent to form a loop, a block positioned in the loop and formed with a grooved upper end, and a key for fastening the block in the loop; a prop pivoted in the eye having resilient legs formed with angularly disposed ends, a guide plate having longitudinal grooves at the edges thereof for the reception of the angularly disposed ends of the legs with a free sliding fit, portions formed



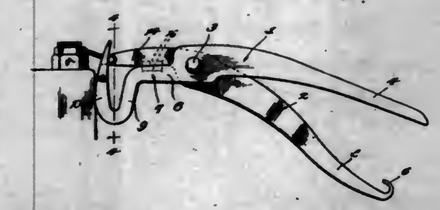
on the plate to provide notches into which the legs may spring and an abutment at one end of the plate to prevent passage of the angled ends of the legs from the grooves.

1,482,066. GALVANIZING RACK. LEONARD T. CURTIS, Burlingame, Calif. Filed Mar. 7, 1921. Serial No. 450,442. 9 Claims. (Cl. 91—12.6)



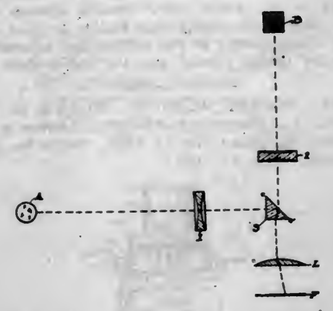
1. In means for simultaneously handling a plurality of metal bars for hot galvanizing, a plurality of metal plates with correspondingly spaced similar perforations in each adapted to receive therethrough said metal bars, means for suspending said plates vertically on edge and spaced horizontally from one another for supporting the bars horizontally arranged and projecting therethrough.

1,482,067. TOOL FOR EXTRACTING COTTER PINS AND THE LIKE. ALFRED DANIELSON, Black River Falls, Wis. Filed June 13, 1922. Serial No. 568,075. 3 Claims. (Cl. 29—86.2.)



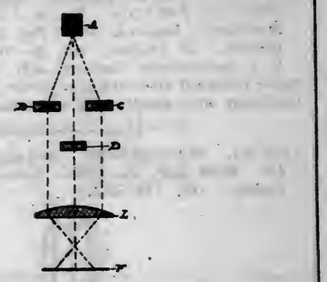
1. In a tool for extracting fastening elements, pivoted members having coacting jaws, one of said jaws having a notch in its end and having a face substantially concentric to the pivot and the other jaw being provided with an element for engagement with the fastening element to be extracted and extending in a direction transverse with relation to the said face of the first-mentioned jaw and the notch therein and movable in an arc substantially concentric to the said pivot.

1,482,068. METHOD AND APPARATUS FOR PRODUCING MULTIPLE AND MINIATURE IMAGE EFFECTS IN PHOTOGRAPHY. LEON F. DOUGLASS, Menlo Park, Calif. Filed Aug. 14, 1922. Serial No 581,785. 8 Claims. (Cl. 95—18.)



1. The method of producing a plurality of miniature images of a plurality of objects on a photographic film which comprises, interposing a double concave lens in the path of the light rays from one of said objects and refracting said light rays to a light-reflecting prism positioned to reflect an image of said object through a camera lens onto said film, and simultaneously, interposing another double concave lens of less curvature than the first mentioned concave lens, in the path of the light rays from another of said objects, and refracting the said light rays through the said camera lens onto the photographic film.

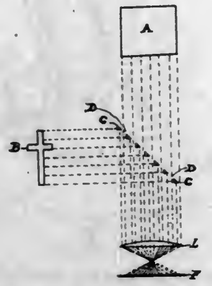
1,482,069. METHOD AND APPARATUS FOR PRODUCING MULTIPLE AND MINIATURE IMAGE EFFECTS IN PHOTOGRAPHY. LEON F. DOUGLASS, Menlo Park, Calif. Filed Aug. 14, 1922. Serial No. 581,786. 9 Claims. (Cl. 88—1.)



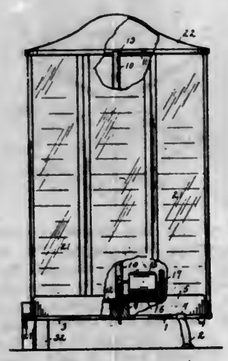
1. The method of producing on a single photographic film a plurality of miniature images of a single object which comprises refracting a plurality of miniature images of said object through a lens onto said film by interposing a plurality of concave lenses in the path of the light rays from said object.

1,482,070. METHOD AND APPARATUS FOR PRODUCING A PLURALITY OF IMAGES OF SEPARATE OBJECTS ON A PHOTOGRAPHIC FILM. LEON F. DOUGLASS, Menlo Park, Calif. Filed Aug. 23, 1922. Serial No. 583,925. 8 Claims. (Cl. 95—18.)

1. The method of producing a plurality of separate images of a plurality of separate objects on a sensitized photographic film which comprises, reflecting an image of one of said objects through a lens onto said film by means of a plurality of light-reflecting elements interposed in the path of a plurality of pencils of light rays from said object, and simultaneously allowing a plurality of pencils of light rays from another of said objects to proceed between said light reflecting elements, through said lens and onto said film.



1,482,071. DISPENSING STAND. LEE F. DUFF and GEORGE LANGHANS, Los Angeles, Calif. Filed Mar. 6, 1922. Serial No. 541,342. 3 Claims. (Cl. 211—8.)

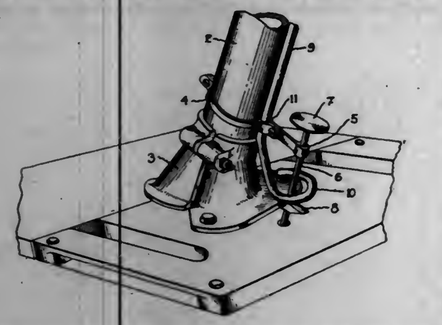


2. A dispensing stand comprising a plurality of circumferentially arranged container grooves with discharge means at their lower ends, a base for said stand having a flange extending over said discharge means to close the same, said flange having an opening for alinement with a selective one of said discharge means to permit free manual withdrawal therefrom, said flange having a second opening for alinement with a selective one of said discharge means, and a check controlled withdrawal means cooperating with said second opening.

1,482,072. THROTTLE-ACTUATING DEVICE. WARREN H. FARR, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 1, 1919. Serial No. 341,764. 4 Claims. (Cl. 74—89.)

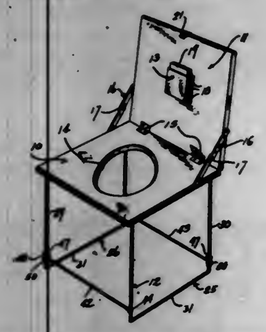
1. The combination of a steering post, a reciprocating control pedal, means rotatively mounted upon the steering post and adapted for manual actuation, a bracket carried by said steering post and adapted to hold said

means and said control pedal in proper relation with one another, and means upon the lower end of the first-



mentioned means adapted to act directly upon the pedal to cause reciprocation thereof by rotation of said first-mentioned means.

1,482,073. FOLDING TOILET CHAIR. RUTH FERDINAND, De Land, Fla. Filed Oct. 17, 1921. Serial No. 508,133. 2 Claims. (Cl. 155—31.)



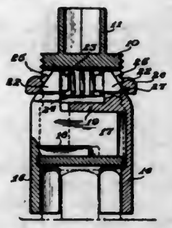
1. A device of the class described, comprising a seat, U-shaped supporting legs, hinges for connecting said supporting legs to said seat whereby the same may be collapsed, cross pieces hingedly connected to each of said legs, each of said cross pieces having an upturned extension upon the free end thereof, and rings slidably mounted upon certain portions of said U-shaped legs for engaging the upturned ends of said cross pieces to securely mount said cross pieces in horizontal supporting position when said supporting legs are in upright position.

1,482,074. MEANS FOR PROTECTING THE SPRINGS OF MOTOR CARS AND OTHER VEHICLES. PETER FRASER, Brisbane, Queensland, Australia. Filed Sept. 2, 1921. Serial No. 497,838. 1 Claim. (Cl. 267—37.)



A protecting casing for the springs of motor cars and other vehicles including in combination with a stationary part of the car and a leaf spring traversing said car of an open ended metallic section disposed on the stationary part of the vehicle for receiving the spring, integral sleeves formed within and on opposite sides of the casing and provided at the upper ends with seats, U-bolts having their medial portions engaging the upper part of the spring and having their shanks opposed to the upper sleeve portions and provided with conical portions engaging the seats to provide oil tight joints therebetween, means for adjustably clamping the bolts and maintaining the spring and the casing in position, a cover removably arranged on the casing, other metallic sections enveloping the ends of the spring and flexible sections enveloping the side portions of the spring and secured to the open ended medial section and the end section.

1,482,075. SOCKET WRENCH. WILLIAM H. FISHER, Altoona, Pa., assignor of one-half to Andrew S. Fisher, Altoona, Pa. Filed Apr. 18, 1922. Serial No. 554,708. 5 Claims. (Cl. 81—165.)

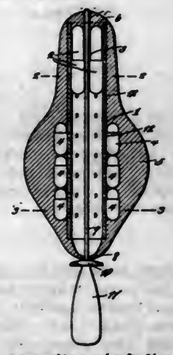


2. A device of the character described including a stock having a squared opening therethrough and provided in spaced relation to said opening with a second opening joined with the first opening by a connecting slot, coacting jaws adjustable upon the stock and provided with mating guide members fitting in the first opening of the stock, lugs upstanding from said guide members to project through said slot into the second mentioned opening of the stock, a spring bearing between said lugs tending to separate the jaws, the lugs being formed with inclined faces, and a nut adjustable upon the stock to coact with said inclined faces of the lugs for shifting the jaws toward each other.

1,482,076. MERCERIZATION AND FINISHING OF TEXTILE FABRICS. EMILE AUGUSTE FOURNEAUX, Manchester, England. Filed Feb. 2, 1923. Serial No. 616,606. 18 Claims. (Cl. 8—20.)

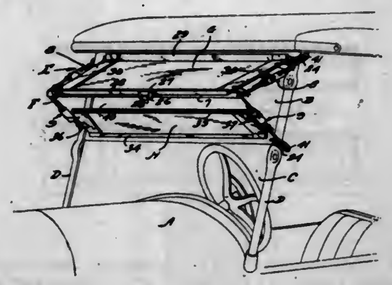
1. A permanently lustrous, soft and elastic cotton fabric produced from ordinary cotton fabric by alternate treatment with caustic soda and thiocyanates.

1,482,077. SUPPOSITORY. EDWARD GEARON, Chicago, Ill. Filed Apr. 24, 1923. Serial No. 634,340. 7 Claims. (Cl. 128—271.)



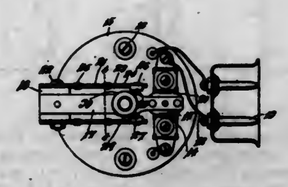
1. A medicinal suppository including a hollow perforated core, a series of soluble medicinal capsules. and an exterior partially soluble absorbent medicinal body, in which said core and capsules are imbedded.

1,482,078. ADJUSTABLE VISOR. ELMER HIATT, Newcastle, Ind. Filed Dec. 15, 1921. Serial No. 522,529. 10 Claims. (Cl. 296—95.)



1. An adjustable visor comprising in combination, a frame including a front compression member and upper and lower side members at each end portion of said compression member, the upper and lower side members at each end of the visor swingable toward and from each other with the fulcrum at the end portion of said compression member, a flexible panel fitting between the upper side members and a flexible panel fitting between the lower side members, and flexible devices connecting the side members and end portions of their respective panels, said flexible devices having a tendency to draw the free end portions of opposite side members toward each other and retain the flexible panels taut, when an object is interposed between the free end portions of said side members.

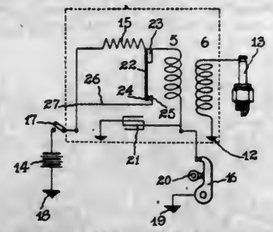
1,482,079. CUT-OUT DEVICE FOR ELECTRICAL UTENSILS. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed June 4, 1919. Serial No. 301,724. 9 Claims. (Cl. 200—138.)



2. A circuit breaker having an electrically conductive circuit closing member, a spring supporting the same, thermostatic means at each side of said spring, and cooperating similarly inclined parts between each of said means and the spring, the surfaces on the opposite sides of said spring being oppositely inclined.

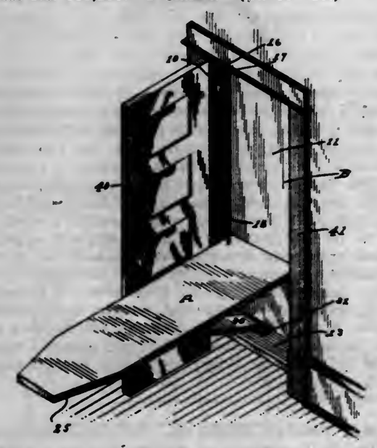
1,482,080. IGNITING SYSTEM. JOHN M. LEA, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 19, 1919. Serial No. 283,458. 18 Claims. (Cl. 123—148.)

1. In a high tension igniting device for internal combustion engines, primary and secondary coils arranged in inductive relation with one another; a circuit in which said primary coil is included and which circuit includes a source of current, a circuit breaking device for interrupting the flow of current through said primary coil, and a resistance coil; a shunt circuit of low resistance as compared with the resistance of said resistance coil; and a thermostat for closing said shunt circuit to



thereby short-circuit said resistance coil, and which thermostat is included in and forms a part of said shunt circuit.

1,482,081. IRONING BOARD AND CASE. FRED W. LONCOSTY, Genesee, Idaho. Filed Jan. 23, 1922. Serial No. 531,259. 2 Claims. (Cl. 68—10.)



2. A device of the character described comprising in combination, a cabinet and an ironing board adapted to fit therein, said cabinet provided with opposite recesses open at confronting wall faces and open downwardly, projections extending from opposite sides of one end portion of said ironing board and adapted to be passed upwardly into said recesses when the board is in a horizontal position, a weight operatively connected to the said end of the ironing board from which said projections extend, tending to draw the ironing board upwardly, and a strut operatively connected to the ironing board and cabinet to aid in supporting the ironing board when in a horizontal position.

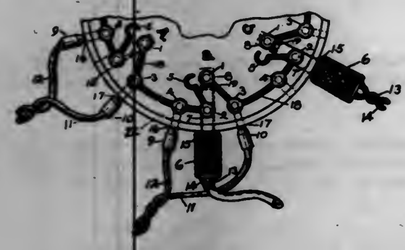
1,482,082. SIGNAL BOND. JOHN LUNDE, Crookston, Minn. Filed Sept. 25, 1922. Serial No. 590,532. 1 Claim. (Cl. 173—262.)



The combination with alined rails, and fish plates secured to and bridging the joint between the rails, of bonding members each consisting of a plurality of strands of copper wire twisted together and terminals mechanically and electrically united with the ends of said wire,

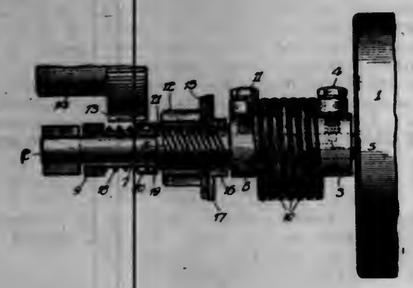
one terminal of each bonding member being electrically and mechanically united with a rail at the end of the same and the other terminal of the same member being electrically and mechanically united with the adjacent fish plate at the end of the same.

1,482,083. SERIES PHONE-CONNECTER BLOCK. ARTHUR B. MCCALL, Springfield, Ill. Filed May 4, 1922. Serial No. 558,517. 2 Claims. (Cl. 173—334.)



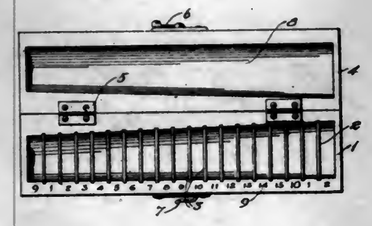
1. In a series phone connection block of insulating material a plurality of connecting sections adjacently connected in series, each section provided with a horizontally disposed socket for a phone plug, and two smaller sockets spaced on each side thereof adapted to accommodate cord tips of phone "head sets", vertically disposed positive and negative engaging terminals registering respectively with said positive and negative cord tip when in the sockets, two vertically disposed engaging terminals registering in alignment with said plug socket, each spaced to normally contact with the positive and negative poles of said phone plug when in operative position, means connecting said positive and negative terminals with corresponding terminals for the cord tips within the same connecting section, and a circuit switch adapted to open and close the electric circuit passing through said section.

1,482,084. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,932. 27 Claims. (Cl. 74—7.)



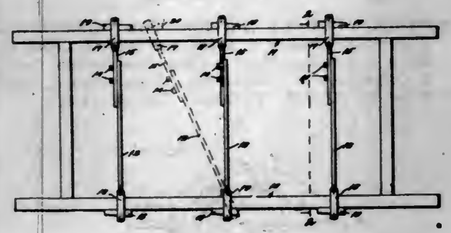
1. An engine starter drive including a rotatable shaft, a driving member mounted thereon for longitudinal movement thereof for engagement with a member of the engine to be started, and capable of rotary movement therewith after such engagement, an actuating member mounted for automatic longitudinal movement when such shaft is rotated and for rotary movement therewith when its longitudinal movement is stopped by contact with the driving member, said two members being normally disconnected and free of each other.

1,482,085. RECEPTACLE. ISAAC MARKS, Harvey, Ill. Filed Nov. 13, 1922. Serial No. 600,672. 1 Claim. (Cl. 206—16.)



A watch-glass receptacle comprising a body, a cover therefor hinged to one portion of the same, said body and cover having complementally shaped longitudinally disposed tapered pockets therein, semi-circular in cross-section and adapted, when arranged in juxta-posed relation, to form a snug compartment varying in diameter throughout its length for watch-glasses, and a plurality of transversely disposed semi-circular partitions arranged in the pockets in said body dividing the same into individual compartments, the adjacent portions of said body having markings thereon, as and for the purpose set forth.

1,482,086. FLASK STRAP. JOHN H. MAYWORM, Milwaukee, Wis., assignor to Wehr Steel Company, West Allis, Wis. Filed May 3, 1921. Serial No. 466,576. 1 Claim. (Cl. 22—211.)



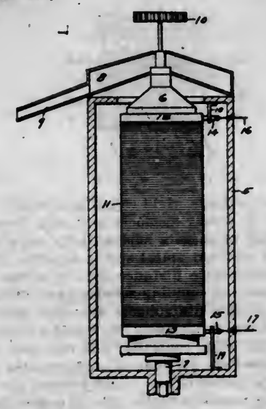
A pattern supporting strap adapted for longitudinal adjustment, hooks carried by the end portions of said strap for securing the same to a mold box, and notches formed on the lower edge of said strap and adapted to support the pattern within a mold box.

1,482,087. TUNNEL KILN. ROBERT H. MILLER, St. Louis, Mo. Filed Apr. 15, 1922. Serial No. 552,843. 16 Claims. (Cl. 25—142.)



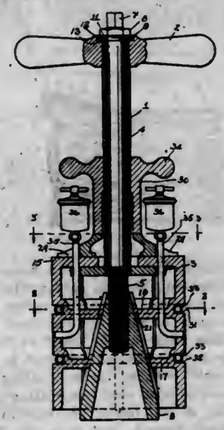
1. In an apparatus of the class described, a confining means, a conveyor arranged for movement through the confining means, and means for directing a treating medium to travel lengthwise through said confining means and vertically through said conveyor.

1,482,088. CENTRIFUGE AND MEANS FOR HEATING THE BOWL THEREOF. WALDEMAR OSCAR MITSCHERLING, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 21, 1922. Serial No. 545,620. 2 Claims. (Cl. 219—38.)



1. The combination with a centrifuge, its casing and rotative bowl, of a plurality of electrical heating elements disposed within the casing and surrounding the bowl and individually controllable.

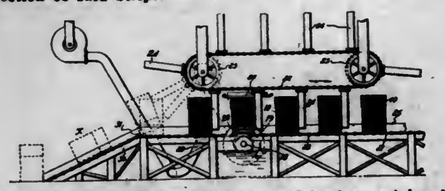
1,482,089. EXPANSION-PISTON LAPPING-IN TOOL. OLIVER C. MOORE, Cleveland, Ohio. Filed Jan. 15, 1921. Serial No. 437,576. 4 Claims. (Cl. 51—206.)



1. A lapping-in tool, comprising a pair of relatively movable supporting members, a sectional cylinder supported upon one of said supporting members, coacting means supported upon the other of said supporting members for enlarging the effective diameter of said cylinder, and resilient means for holding said cylinder sections together.

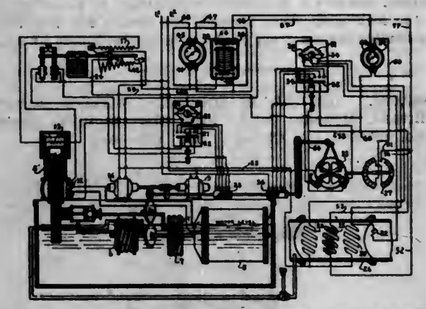
1,482,090. METHOD OF AND MEANS FOR COATING THE EDGES OF ROOFING ELEMENTS. FREDERICK C. OVERBURY, Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed July 24, 1920. Serial No. 398,684. 6 Claims. (Cl. 91—51.)

2. A method of treating fibrous shingle strips each having a plurality of tabs or projections and intervening slots, which comprises assembling such strips into a packet with their edges flush and then effecting a relative movement, transversely of the plane of the strips, of said packet and a coating member shaped to apply coating to the end and side edges of the tabs or projection of said strips.



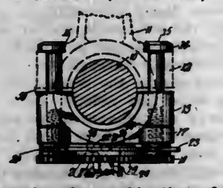
6. The combination of a coating roll having peripheral flanges, means for supplying a waterproofing compound to said roll and to both faces of said flanges, a table, and a conveyor having elements arranged serially to engage packets of roofing elements and feed them past and into contact with the surfaces of said roll and the flanges thereof.

1,482,091. APPARATUS FOR DETERMINING AND ALSO INDICATING THE TOTAL AVAILABLE HEAT OF A FLOW OF COMBUSTIBLE FLUID. HORACE N. PACKARD, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 18, 1921. Serial No. 493,479. 10 Claims. (Cl. 73—184.)



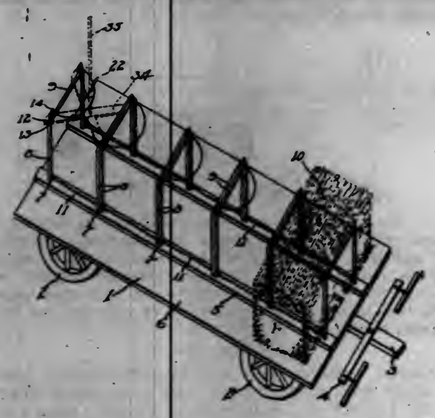
1. In apparatus for ascertaining the total available heat of a flow of fluid, the combination with indicating means, of means for causing the former means to indicate as a function of both the total heat per unit quantity of the fluid and the quantitative rate of flow thereof, the second mentioned means including means to compensate for variations in temperature, preasure and saturation of the fluid and including means rendering unnecessary division of the stream of fluid for ascertaining its quantitative rate of flow.

1,482,092. SELF-ADJUSTING BEARING LOCK. STEPHAN RATH, Chicago, Ill., assignor of one-half to August W. Hornig, Chicago, Ill. Filed Feb. 2, 1921, Serial No. 441,797. Renewed May 25, 1922. Serial No. 563,676. 2 Claims. (Cl. 64—55.)



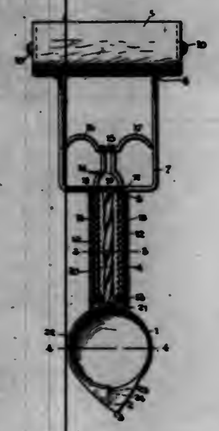
1. In bearing-locks, the combination of a multiplicity of bearing bolts; nuts with gear-teeth on said bolts for tightening the bearing; a gear engaging the nuts; and a tensioned spring for advancing the gear.

1,482,093. UNLOADING DEVICE FOR CORN. PETER M. RINDSBACHER, Stockton, Ill. Filed June 24, 1922. Serial No. 570,639. 6 Claims. (Cl. 214—65.)



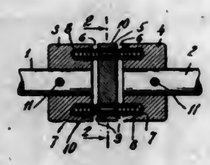
1. The combination with a vehicle having a load supporting portion, of a sling having rigid sides and a flexible bottom arranged to rest on the load supporting portion, means for detachably connecting the sides rigidly to the load supporting portion, and means for detaching the flexible bottom from one of said side members at will.

1,482,094. ICE-CREAM DIPPER. WILLIAM RODDIE RIPLEY, Modesto, Calif. Filed Mar. 5, 1923. Serial No. 622,991. 3 Claims. (Cl. 107—48.)



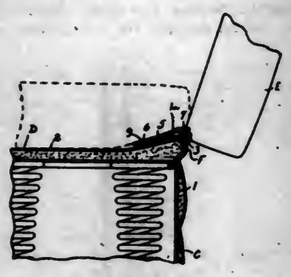
3. An ice cream dipper comprising a bowl having an opening through the side walls thereof adjacent to the edge thereof, a scraper adapted to work in the bowl, a rotatable screw extending through the opening and secured at its inner end to the scraper for operating the latter, a frame extending radially from the bowl and having a guideway through which the screw extends, a block slidable along the guideway and held against rotation therein, said block having a bore in sliding engagement with said screw, a grip member disposed at the outer end of the frame in spaced relation to the outer end of the guideway, a finger piece adjacent to said grip member, and a slide rod connecting said finger piece to said slide block.

1,482,095. FLEXIBLE COUPLING. JOHN J. SERRELL, Elizabeth, N. J., assignor to Smith and Serrell, Mahwah, N. J., a Copartnership consisting of himself and Robert A. Smith. Filed Apr. 20, 1921. Serial No. 462,939. 2 Claims. (Cl. 64—96.)



1. In flexible couplings, rigid coupling members adapted to be connected to rotary members and each formed with an annular series of sockets substantially parallel to its axis, a series of resilient spiral sprig coupling pins each extending a considerable distance into a socket of each of the two cooperating coupling members and fitting loosely therein, and a rigid pin support arranged between and normally spaced somewhat away from said coupling members and formed with conically relieved end holes in which the intermediate portions of said coupling pins are permanently and substantially rigidly connected by expanding securing members inside the corresponding intermediate portions of said pins.

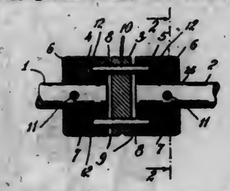
1,482,096. CUSHION. GEORGE A. SMITH, Los Angeles, Calif. Filed Oct. 17, 1922. Serial No. 595,028. 4 Claims. (Cl. 155—184.)



1. The combination with a seat of a removable cushion adapted to be mounted thereon, said cushion having an ornamental cover forming a flap extension at the lower front edge of the cushion, with said flap fixed to the underside of said cushion adjacent the front of the latter, and forming a free swinging portion adapted to extend rearwardly beneath said cushion for concealing the flap between the cushion and seat, and cooperating separable fastening connections on the top of the seat in spaced relation from the front thereof, and upon the free swinging portion of said flap, whereby said cushion may be removably fixed in position upon said seat, while permitting spaced relation between the fronts of said seat and cushion, and exposing said spaced relation to simulate the appearance of a cushion loosely mounted on a seat.

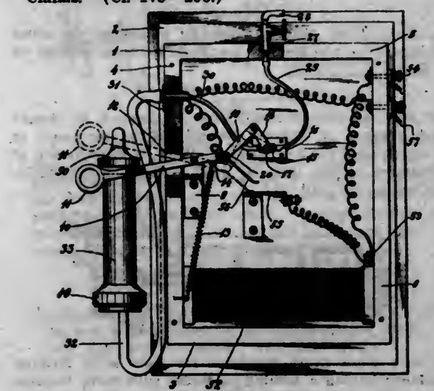
1,482,097. FLEXIBLE COUPLING. ROBERT A. SMITH, Mahwah, N. J., assignor to Smith & Serrell, Mahwah, N. J., a Copartnership consisting of himself and John J. Serrell. Filed Apr. 20, 1921. Serial No. 462,876. 10 Claims. (Cl. 64—96.)

1. In flexible couplings, vulcanized rubber coupling members adapted to be connected to shafts and formed with axial metallic bushings and end flanges on their outer separated ends, said coupling members being formed with an annular series of sockets substantially parallel to their axes, a series of rigid coupling pins each extending a considerable distance into the sockets of the two



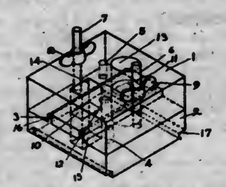
cooperating coupling members and a disc shaped pin support in which said coupling pins are rigidly and permanently mounted.

1,482,098. CIGAR LIGHTER. SIDNEY STOCKING, Herscher, Ill. Filed Oct. 19, 1921. Serial No. 508,768. 2 Claims. (Cl. 175—296.)



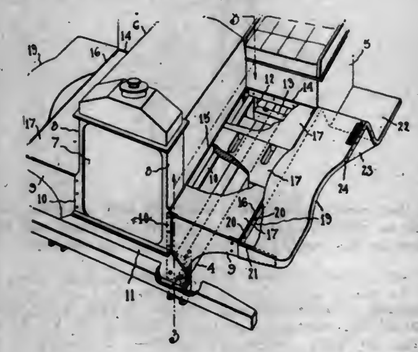
1. A device of the character described comprising a gas hand torch, a pivotally mounted lever for supporting said torch, means for conducting gas to said torch, means for electrically igniting said gas in said hand torch, a valve associated with said first named means and operatively connected to said lever, whereby said gas will be shut off when said lever is supporting said torch and whereby said gas will be turned on when said torch is removed from said lever, and a switch associated with said second named means and operatively connected with said lever, whereby said second named means is rendered inoperable when said lever is supoprting said torch.

1,482,099. HAND PUNCH. WILLIAM C. STOPPELWERTH, Springfield, Ill. Filed July 27, 1922. Serial No. 577,985. 6 Claims. (Cl. 164—118.)



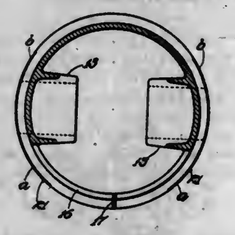
1. In a hand punch of the character described a detachable die plate adapted to operate in conjunction with a base casting and an anchoring cap used for holding said die plate detachably secure in a predetermined position when the die is normally used for punching holes in spring material, means comprising threaded bolts, thumb screws and guide pins for holding said elements in operative position as and for the purpose described.

1,482,100. FLOOR AND FENDER SUPPORT FOR MOTOR TRUCKS. ALFRED T. STURT, New York, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 13, 1920. Serial No. 365,591. 12 Claims. (Cl. 296—28.)



6. In a motor vehicle of the class described, a suitable frame; a radiator located adjacent the forward end of said frame and supported therefrom; an engine hood extending rearward from said radiator; a transversely extending seat supporting frame supported by the vehicle frame and located to the rear of said hood; a supporting member extending laterally from the radiator; and floor supporting means extending along the side of said hood and the forward end of which is supported by said supporting member, and the rear end of which is supoprted by said seat supporting frame.

1,482,101. PISTON. GEORGE A. TAYLOR, Boston, Mass. Filed Sept. 28, 1922. Serial No. 591,073. 5 Claims. (Cl. 74—108.)

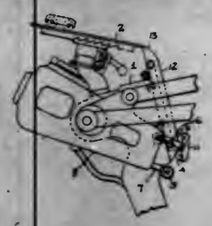


2. A piston for internal combustion engines having a head, a skirt and piston pin bearings, the skirt and head being integral on one side of the bearings and separated from each other on the other side by a slot, the surface of the piston being relieved about the bearings for a less amount on the integral side than on the slotted side.

1,482,102. PRINTING PRESS. RALPH S. TYLER, Cleveland Heights, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 30, 1921. Serial No. 481,454. 2 Claims. (Cl. 101—338.)

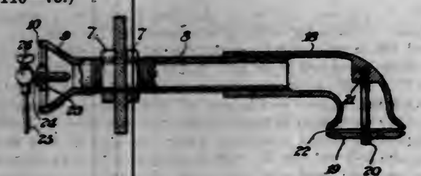
1. In a printing press, the combination with the bed, ink-distributing disk, and composition rolls adapted to pass over said bed and disk, of separate tracks, one on each side of said bed adapted to support said rolls in thus passing thereover; and adjustable means for securing said tracks to said bed, said means for each track including two eye-bolts one adjustably secured to said bed so as to project upwardly therefrom adjacent the upper

end of its adjacent track and the other adjustably secured to said bed so as to project laterally therefrom adjacent the lower end of its adjacent track, threaded bolts



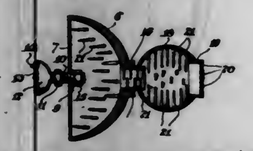
on the corresponding track engaging said eye-bolts, and nuts on said threaded bolts, one on the inside and the other on the outside of the corresponding eye-bolt.

1,482,103. CONVERTIBLE COAL SAVER AND GAS BURNER. GERRIT VAN DAAM, Buffalo, N. Y. Filed Jan. 20, 1921. Serial No. 438,798. 2 Claims. (Cl. 110—75.)



1. In a fuel saving device, the combination of an air conductor, leading from the exterior to the interior of a combustion chamber, a chambered body disengageably secured to the inner end of said conductor and provided with a comparatively restricted discharge vent, and means for disengageably associating a fluid fuel supply with the air intake of the conductor.

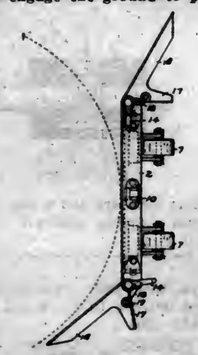
1,482,104. FUEL-SAVING DEVICE. GERRIT VAN DAAM, Buffalo, N. Y. Filed Feb. 7, 1922. Serial No. 534,673. 3 Claims. (Cl. 110—75.)



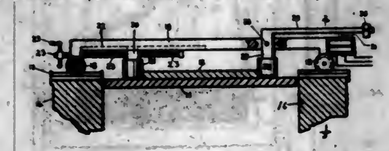
1. In a fuel saving device, the combination of two communicating chambered bodies having axes on the same horizontal line, one of substantially semi-spherical formation, having a flat wall adapted to lie adjacent an inner wall of the furnace, and adapted to receive air from outside the furnace, the other of substantially spherical formation adapted to discharge air into the combustion space of the furnace and a pipe formation threaded throughout its extent for connecting said chambered bodies, having fingers extending radially from its inner wall.

1,482,105. TRUCK. HENRY J. ANDREWS and JOHN M. LANDENBERGER, Fort Wayne, Ind. Filed Mar. 22, 1922. Serial No. 545,695. 2 Claims. (Cl. 214—85.)

1. A truck comprising a wheeled frame, adjustable members rotatably mounted upon opposite sides of the frame, means to releasably lock said members in elevated position, said members when released being adapted to lower into engagement with the ground to form skids for loading or unloading the truck, means on the members adapted to engage the ground to prevent overturning of the truck while loading or unloading the same and means to elevate the members to form guards on the frame.

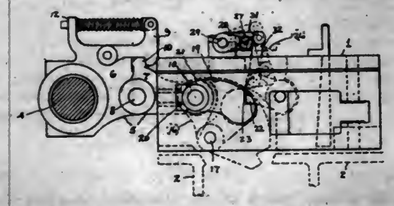


1,482,106. GLASS MACHINERY. CLARENCE W. AVERY and WENZEL G. VESEY, Detroit, Mich., assignors to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,034. 6 Claims. (Cl. 49—3.)



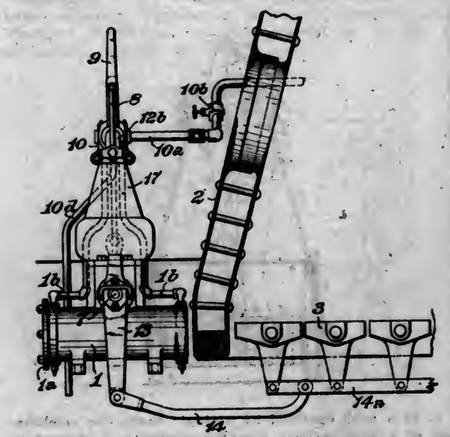
5. In a glass width regulator for glass strip forming machinery having a moving platform with strip forming members associated therewith, a frame adapted to be moved transversely of the line of movement of the platform by a strip formed on the platform, an adjustable stop on said frame and a movable stop on said frame whereby the strip passing between the stops may cause the frame to vary its position relative to the platform, the adjustable stop may determine the width of the strip formed on the platform, and the movable stop may be actuated by variations in the width of the strip to vary the speed of the platform.

1,482,107. FORGING MECHANISM. JOHN R. BLAKESLEE, Cleveland, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 27, 1922. Serial No. 603,451. 5 Claims. (Cl. 10—16.)



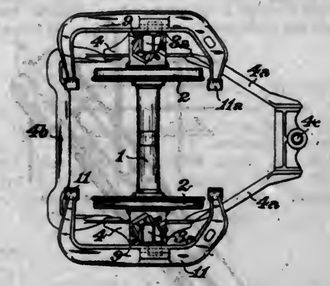
1. The combination with a reciprocable slide; of a crank-shaft and pitman for operating same; a member oscillatorily mounted on said slide, said pitman being pivotally connected with said member; fixed means limiting oscillation of said member in one direction; and movable means adapted to lock said member against oscillation in the opposite direction.

1,482,108. LOCOMOTIVE GRATE SHAKER. JAMES G. BLUNT, Schenectady, N. Y. Filed Feb. 21, 1921. Serial No. 446,766. 5 Claims. (Cl. 121—41.)



1. In a grate-shaking apparatus, the combination of a fluid-pressure operating-cylinder, a piston fitted to reciprocate therein, a fulcrum shaft journalled transversely on said cylinder, an operating-lever pivoted on said shaft and engaging said piston, a grate-operating lever also pivoted on said shaft, and means to clutch said levers together at their pivots.

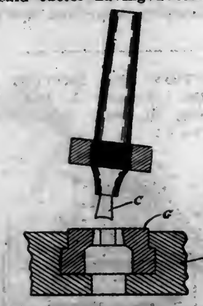
1,482,109. TRUCK-CENTERING DEVICE. JAMES G. BLUNT, Schenectady, N. Y. Filed May 4, 1923. Serial No. 636,568. 8 Claims. (Cl. 105—174.)



1. In a radial railroad truck, the combination of a truck frame; journal boxes, fitted therein; lower roller seats, mounted on said journal boxes and having lateral racks, each oppositely inclined in the direction of its length; keys, engaging channels in the journal boxes and lower roller seats, inclined in planes intersecting in the axis of the radius bar pin; upper roller seats, having lateral racks, each oppositely inclined in the direction of its length; and rollers, interposed between the roller seats and carrying pinions, engaging the racks thereof.

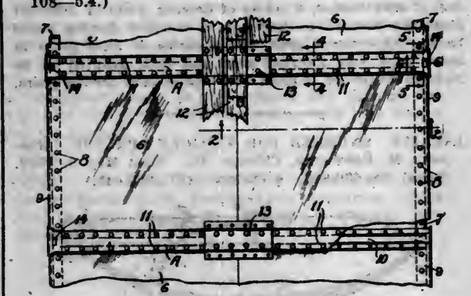
1,482,110. METHOD AND APPARATUS FOR CUTTING POLYGONAL DIES. WILLIAM F. BOLESKY, Detroit, Mich., assignor of one-half to John E. Moloney, Detroit, Mich. Filed Aug. 15, 1921. Serial No. 492,326. 12 Claims. (Cl. 90—33.)

12. A machine for cutting polygonal blanks comprising a rotary work holder, an angular cutter, means for simultaneously rotating the cutter and work holder at different angular speeds, means for synchronizing said rotations whereby the angles of said cutter register with a predetermined number of points in the circumference of the work, said cutter having a contour between the



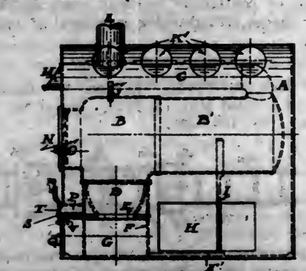
angles such as to develop a straight line in the work during said synchronized rotation, and means for relatively moving the cutter and the blank in a direction nonparallel to the axis of the latter.

1,482,111. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Jan. 10, 1923. Serial No. 611,755. 14 Claims. (Cl. 108—5.4.)



1. A car roof comprising a plurality of roof sheets whose adjacent marginal portions are offset upwardly and lapped and secured together to form weather proofing seams, the lapping portion of the lower sheet having a channel formed therein that extends longitudinally thereof.

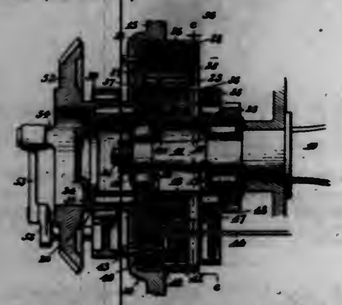
1,482,112. HOT-AIR FURNACE. ERNEST G. BOOKER, Indianapolis, Ind. Filed Dec. 16, 1922. Serial No. 607,285. 5 Claims. (Cl. 126—99.)



1. In a heating furnace, a horizontal combustion chamber, a fire-pot under the front end and discharging into the front end of said chamber, a fire-bowl jacket under and supporting the firepot and having an inside grate-

supporting flange and a rearwardly extended floor-plate, a grate on said flange, and a post on the floor-plate supporting the horizontal combustion chamber, and a casing surrounding said members and having cold air inlets below the combustion chamber and hot air discharges above it.

1,482,113. TRACTION AND DRIVING MECHANISM FOR VEHICLES. ANDREW J. BORST, Jr., Buffalo, N. Y. Filed Nov. 20, 1917. Serial No. 202,918. 7 Claims. (Cl. 74—7.)



1. The combination of a vehicle axle, and a traction member on said axle comprising a pair of spaced supporting frames, an inner hub on said axle journaled in one of said frames, a series of driving gears of different diameters secured to said hub, a traction driving wheel having an internal gear, and a series of idler gears in mesh with said internal gear and each adapted to be moved into or out of mesh with one of said driving gears.

1,482,114. SNUBBER FOR VEHICLE SPRINGS. HERBERT M. BREWSTER, Chicago, Ill. Filed May 5, 1923. Serial No. 636,846. 6 Claims. (Cl. 267—45.)



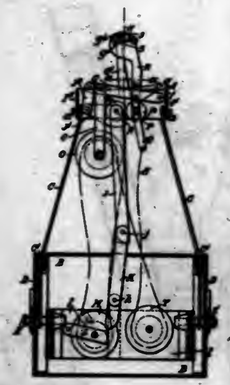
1. The combination, with a vehicle side frame member, an axle, and a supporting spring between said side frame member and said axle, of means for opposing recoil of said spring comprising a curved spring bar connected at its upper and lower ends to said side frame member and supporting spring respectively and having on its convex side a row of contiguous resilient compressible blocks serving to oppose straightening movement of said spring bar.

1,482,115. LOCOMOTIVE. ALFRED W. BRUCE, New York, N. Y. Filed May 15, 1923. Serial No. 639,044. 5 Claims. (Cl. 105—59.)



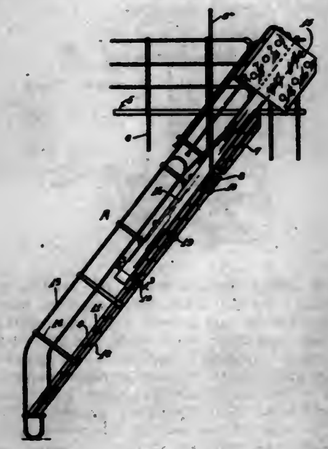
1. In a locomotive of the Mallet type, the combination of a rear group of driving wheels; a front group of driving wheels; two high pressure cylinders, the pistons of which actuate the rear group of driving wheels; and three low pressure cylinders, the pistons of which actuate the front group of driving wheels.

1,482,116. GRAB. ARTHUR MONTGOMERIE CALLOW, London, England. Filed May 12, 1923. Serial No. 638,495. 6 Claims. (Cl. 37—184.)



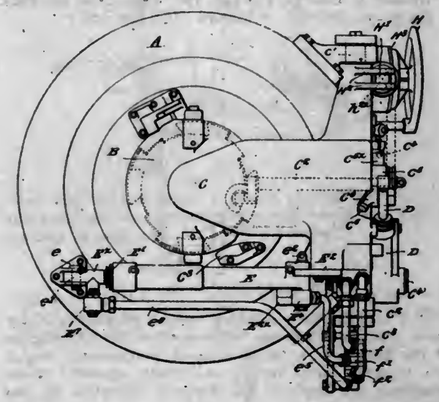
1. In a grab operated by a single chain, the combination of a head, a hook mounted therein and adapted to engage a suspender ring, a body, a bucket consisting of two halves hinged to the body, side rods connecting the bucket halves to the head, a frame capable of turning about a horizontal axis in the body, a sheave journalled in this frame and toggle links pivoted to the head and to the body and adapted to be engaged by the said frame.

1,482,117. COUNTERBALANCE-LADDER CONSTRUCTION. JOHN T. COWLES, Chicago, Ill., assignor to J. T. Cowles & Company, a Corporation of Illinois. Filed Jan. 4, 1923. Serial No. 610,566. 6 Claims. (Cl. 227—5.)



1. A device of the class described, including in combination a pivoted structure and a counter-balance arm therefor, said arm being secured to said structure in parallel spaced relation, means for securing said arm along said structure comprising members having curved surfaces for contacting portions of the structure, certain of said members having portions adapted to engage and hold said arm in operative position, and means co-operating with said curved surface members for maintaining the same in contact with the said structure.

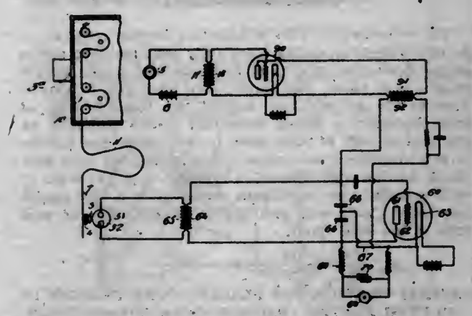
1,482,118. ORDNANCE BREECH MECHANISM. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, and DORSEY FROST ASBURY, Washington, D. C., assignors to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Sept. 20, 1923. Serial No. 663,867. 26 Claims. (Cl. 89—20.)



1. In a gun, the combination of a swinging breech screw carrier, a rotatable breech screw, a crank shaft substantially radial with respect to the breech screw operating to lock and unlock the breech screw, and a motor on the carrier operatively connected to a crank on said shaft to effect rotation of said crank shaft.

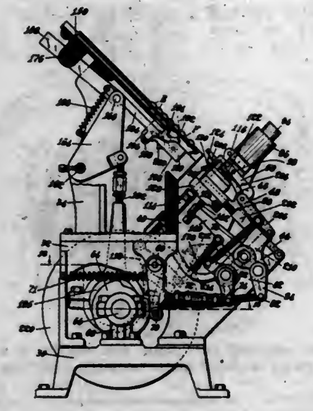
26. In a gun, the combination of a swinging breech screw carrier, a rotatable breech screw, means for effecting locking and unlocking of the breech screw, and a hand operated device for swinging the carrier, said device being pivoted on the gun for swinging movement with respect thereto and including a screw threaded member adapted to be detachably connected to the carrier.

1,482,119. MEANS FOR RECORDING AND REPRODUCING SOUND. LEE DE FOREST, New York, N. Y., assignor to De Forest Phonofilm Corporation, Jersey City, N. J., a Corporation of Delaware. Original application filed Sept. 18, 1919, Serial No. 324,683. Patent No. 1,446,246, dated Feb. 20, 1923. Divided and this application filed Nov. 11, 1920. Serial No. 423,276. 10 Claims. (Cl. 179—100.1.)



1. The combination with an alternating current lamp, means for continuously supplying an alternating current to said lamp the periodicity of which is above the audible limits to effectively maintain said lamp a constant source of light, and sound controlled means for varying said current.

1,482,120. MACHINE FOR MOUNTING ARTICLES. WILLIAM E. ELLIOTT, Grand Rapids, Mich., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Aug. 1, 1919. Serial No. 314,717. 84 Claims. (Cl. 218—18.)



78. In a machine for mounting buttons and assembled securing devices upon a strip, a support, button-conveying means delivering to the support, means for advancing the strip into proximity with the support, means contacting with a securing device for forcing it with its button from the conveying means to the support and through the strip, and retaining means contacting with the button upon the support.

1,482,121. TURNING TRUCK FOR VEHICLES. JOSÉ DANIEL ERRECABORDE, Buenos Aires, Argentina. Filed Jan. 16, 1923. Serial No. 613,047. 3 Claims. (Cl. 280—131.)

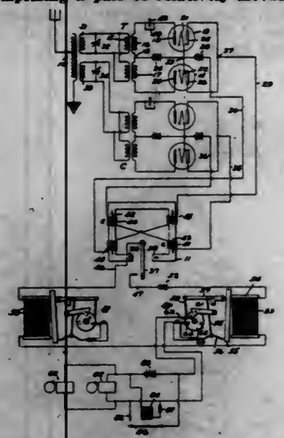


1. A turning connection comprising a crown embodying a pair of structurally-separate, circular frames having oppositely-curved outer rim portions forming annular recess therebetween and inner web portions provided with interfitting projections, and a ring fitted in said recess, the ring and crown being rotatably related; the web portions of the frame having fastening devices rigidly connecting them together, and the rim portions having their outer edges spaced from each other to expose part of the ring; substantially as described.

1,482,122. RADIO SYSTEM. WALTER N. FANNING, Vallejo, Calif. Filed Mar. 20, 1922. Serial No. 545,040. 4 Claims. (Cl. 250—2.)

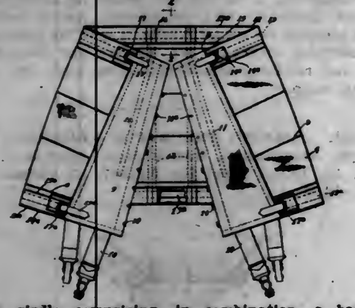
1. In a radio receiving system, an absorbing circuit, a thermionic device responsive to telegraphic signals received in the absorbing circuit, a thermionic device responsive to energy received between signals, an electromagnetic relay having a polarized armature, said relay being arranged to move the armature in one direction on receipt of a signal, by aid of the first mentioned thermionic device, and in another direction on cessation of the signal, by aid of the second mentioned thermionic

device, and a selector controlled by said armature, said selector comprising a pair of relatively movable contacts



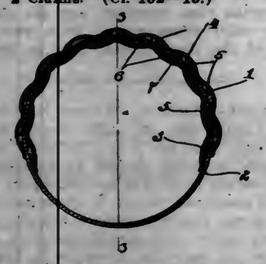
that are operated only upon the receipt of a predetermined, freely selected order of telegraphic dot and dash signals.

1,482,123. GIRDLE. JACOB N. FAUST and CLYDE A. FAUST, Chicago, Ill. Filed Jan. 28, 1922. Serial No. 532,358. 5 Claims. (Cl. 2—73.)



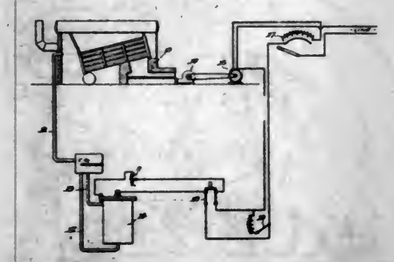
1. A girdle comprising, in combination, a band or body of substantial width made from longitudinally elastic webbing and having at its opposite ends cooperating fastening devices, and means enclosed by one of its longitudinal edges for varying the effective length thereof.

1,482,124. SELF-HEALING TUBE. WILLIAM FETTER, Baltimore, Md. Filed July 16, 1923. Serial No. 651,804. 2 Claims. (Cl. 152—13.)



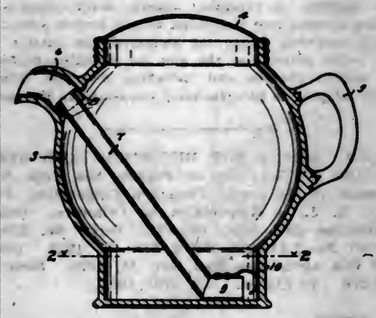
1. An inner tube for pneumatic tires having the tread zone thereof provided with small pockets, some on the inner side of the tube wall and others on the outer surface of the same, self-healing material filling the pockets, the pockets on each side of the wall being so placed that they overlap, the pockets thus overlapped extending over the entire tread area of the tube.

1,482,125. COMBUSTION-CONTROLLING SYSTEM. GEORGE E. GASTER, Chicago, Ill. Filed June 12, 1923. Serial No. 644,996. 9 Claims. (Cl. 236—15.)



1. A combustion controlling system comprising a furnace, means continuously responsive to the CO_2 content of the flue gases, a liquid rheostat continuously responsive to said means, and an electrically operated blower supplying the draft of the furnace controlled by said rheostat.

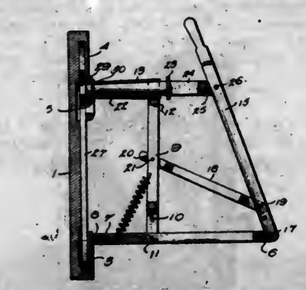
1,482,126. COMBINED MEASURING AND DISPENSING DEVICE. WILLIAM D. GIBSON, Seattle, Wash., assignor of one-half to Frank W. McCaffrey, Seattle, Wash. Filed Mar. 30, 1922. Serial No. 548,013. 1 Claim. (Cl. 221—98.)



The combination with a container having a spout, of a removable tube having rearwardly bent resilient means disposed on the upper end and arranged to fit snugly within said spout, said tube being arranged to extend downwardly at an angle toward the opposite wall of said container, a flared measuring device arranged on the bottom end of said tube to rest upon the bottom of said container, and resilient means disposed upon said flared portion and adapted to engage with the wall of said container to hold said flared portion in spaced relation to said wall and hold the upper end of said tube within said spout.

1,482,127. DEVICE FOR PLACING CORK INSERTS IN CLUTCH PLATES. RALPH B. GLICK, Riverside, Calif. Filed Oct. 9, 1922. Serial No. 593,463. 5 Claims. (Cl. 226—2.)

3. In a device of the character described, a supporting member, said supporting member being provided with an opening adapted to aline with an opening in the clutch plate, a supporting arm secured to said member and extending outwardly therefrom, a tube support secured to said arm, a tube carried by said tube support in aline-



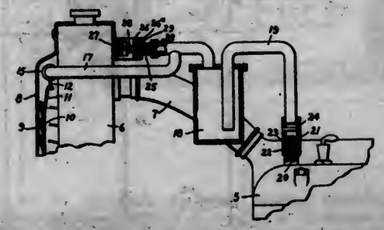
ment with said opening, a handle pivoted to said arm, and a plunger carried by said handle and adapted to be received in said tube.

1,482,128. DRILL BIT. CHARLES M. GODDARD and WILLIAM E. POWELL, Denver, Colo. Filed June 3, 1922. Serial No. 565,714. 1 Claim. (Cl. 255—61.)



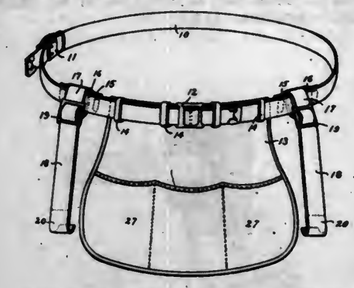
A device for drilling coal comprising a body member of substantially rectangular cross-section, a channel in each narrow side and extending parallel to the central axis of the member, a removable cutter in each channel, a central socket in said body member, said socket being located midway between the channels and concentric with the central axis of the body member, a drill in said socket, the spaces on each side of the drill and the removable cutter being inclined at an angle to the side surface of the body member and also inclined with respect to the edge surface thereof, and a removable cutter secured to each inclined surface and adapted to cut the coal between the drill and the outer cutter.

1,482,129. MEANS FOR REGULATING THE COOLING OF INTERNAL-COMBUSTION ENGINES. WALTER S. GOLL, Fort Wayne, Ind. Filed Dec. 31, 1920. Serial No. 434,291. 13 Claims. (Cl. 123—174.)



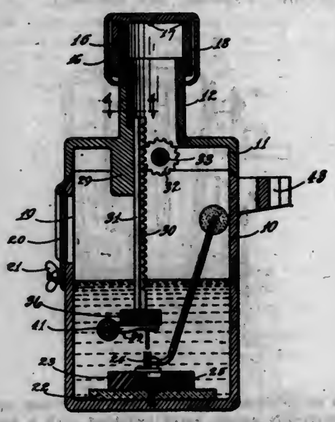
13. In combination with an internal combustion engine cylinder provided with a water jacket, a pressure chamber connected with the interior of the cylinder, a movable member associated with the pressure chamber and actuated by the pressure thereof, a radiator through which the cylinder jacket water circulates, a shutter positioned adjacent the radiator for controlling the passage of cooling air therethrough and operating connection between the shutter and the movable member of the pressure chamber.

1,482,130. WINDOW CLEANER'S SAFETY HARNESS. HENRY J. GRIEST, Chester, Pa. Filed Oct. 31, 1921. Serial No. 511,647. 5 Claims. (Cl. 20—72.)



1. A device of the character described including a belt; supporting means attached to said belt and having curved means for embracing the edge of a window frame and being readily removable therefrom; adjusting means for varying the length of the front part of the belt between said supporting means; and means for varying the length of the belt independently of said first adjusting means; substantially as described.

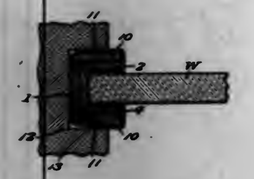
1,482,131. OIL-FUSE DEVICE. GEORGE M. GRIFFITH, Dallas, Tex., assignor of one-half to Norton T. Lancaster, Dallas, Tex. Filed Dec. 5, 1921. Serial No. 520,140. 2 Claims. (Cl. 200—114.)



1. In an oil fuse device, a casing, said casing having a removable head, the lower portion of the casing forming a well for containing a non-conducting fluid, a door provided in the upper side of the casing, stationary contacts disposed in spaced relation in the bottom of the casing and insulated from the casing, means for admitting the conductors of a circuit, the said contacts adapted to be connected with the said conductors, a rack bar adapted to slide vertically, a cross head carried by the rack bar, contacts carried by the cross head and adapted to engage the stationary contacts, the contacts of the cross head having means for receiving and supporting an electrical fuse, a rotatable shaft extending transversely of the head

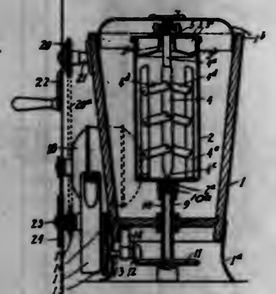
and thru the same, a pinion mounted on the shaft and adapted to mesh with the rack bar, and means on the outer end of the shaft for rotating the same, whereby the rack bar may be reciprocated to bring the cross head into registration with the door or to close the circuit.

1,482,132. WINDOW CHANNEL. ERNEST M. GUILLAUME, Worcester, Mass., assignor to The Felters Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 4, 1922. Serial No. 592,367. 4 Claims. (Cl. 296—44.5.)



1. A window channel comprising a flexible backing strip having a finished face, central and side bearing stripe having finished faces and edges superimposed upon said backing strip and forming spaces between bearing strips, the backing strip adapted to bend at the spaces to impose a finished edge of one bearing strip against the finished face of one adjacent bearing strip to form a channel of uniform qualities of strength due to the use of finished stripe of material.

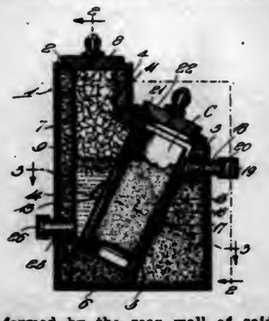
1,482,133. ICE-CREAM FREEZER. ALVIN L. HART, East San Diego, Calif. Filed June 15, 1921. Serial No. 477,673. 4 Claims. (Cl. 259—53.)



1. In an ice-cream freezer, a revoluble cream receptacle an hermetically sealed cover provided with a small central hole and a collapsible stationary mixing member mounted therein adapted to be removed through said small central hole in said cover without removing said cover.

1,482,134. ICE-CREAM CABINET. VICTOR LYTTON KING, West Point, Miss. Filed Feb. 15, 1923. Serial No. 619,322. 2 Claims. (Cl. 217—7.)

1. A refrigerating device comprising a cabinet whose top is formed with a forwardly declined front portion having an opening provided with a removable closure, a forwardly inclined can container in said cabinet whose upper end is disposed around said opening, and an ice receptacle in the cabinet behind said container having its



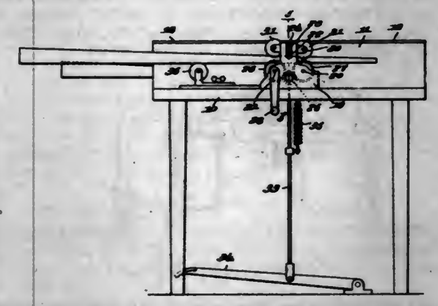
front wall formed by the rear wall of said container, the latter having an opening for admitting ice water to its interior from the ice receptacle.

1,482,135. METHOD OF SECURING WRIST PINS IN PISTONS. THOMAS J. LITLE, Jr., Detroit, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Mar. 29, 1923. Serial No. 628,520. 3 Claims. (Cl. 74—108.)



1. In a device of the character described, a piston having wrist pin receiving bosses therein, one of said bosses having aligned openings therein, a hollow cylindrical wrist pin designed to be received in said bosses, said wrist pin having aligned openings adjacent to one end designed to register with the openings in the boss, a split sleeve of resilient material, and a locking pin designed to be driven thru the registering openings and the split sleeve whereby the locking pin and the wrist pin may be held from movement.

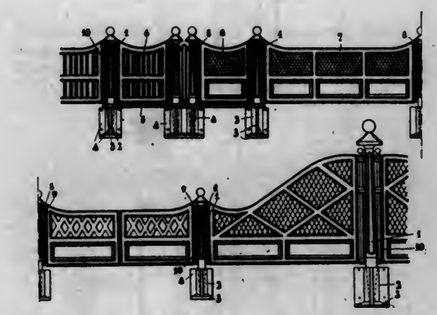
1,482,136. APPARATUS FOR STRAIGHTENING BILLIARD CUES. JOHN MAGONO, Boston, Mass. Filed Mar. 24, 1923. Serial No. 627,305. 4 Claims. (Cl. 144—255.)



1. In a machine for straightening cues and the like, a frame adapted to support a plurality of positively driven grooved cue supporting wheels; means to drive

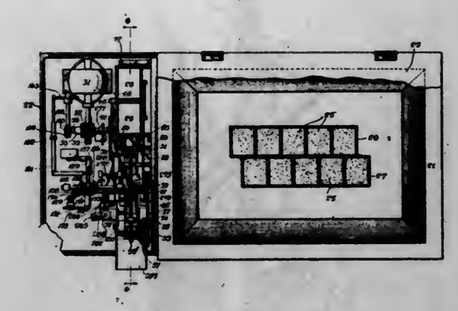
said wheels; a plurality of pressure wheels adapted to coact with said supporting wheels, said pressure wheels being arranged to automatically adjust themselves to the various diameters of a cue during its movements between said supporting and pressure rolls; means to apply pressure to a cue through said pressure rolls; and a supporting wheel adapted to be adjusted toward and from said frame.

1,482,137. CONCRETE FENCING. JOHN FREDERICK MATTHEWS, Dover, England. Filed Mar. 9, 1921. Serial No. 450,827. 1 Claim. (Cl. 256—19.)



A reinforced concrete fence construction comprising reinforced concrete posts, lugs formed in the reinforcements of, and projecting from, said posts, an anchor box for each of said posts comprising a flat base and reinforcing projecting wing members, reinforced concrete fence sections, lugs formed in the reinforcements of, and projecting from the ends of said fence sections and adapted to register with the lugs on the post sections and coupling bars adapted to pass through the co-operating lugs for the purpose of uniting the post and fence sections together, substantially as described.

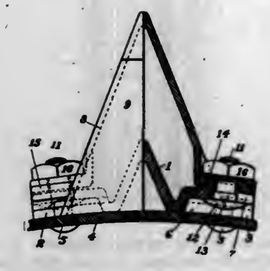
1,482,138. ICE-CREAM-SANDWICH-MAKING MACHINE. HARRY A. MOOMJIAN, Chicago, Ill. Filed Jan. 5, 1921. Serial No. 435,064. 33 Claims. (Cl. 107—1.)



1. In an ice-cream sandwich making machine, the combination of a plurality of supplies of ice-cream, means to sever layers of ice-cream from said supplies in a manner to cause their depletion substantially simultaneously, a wafer supply, means to feed said layers of ice-cream, and means to feed said wafers, whereby the ice-cream and wafer elements of said sandwiches are assembled to form such sandwiches.

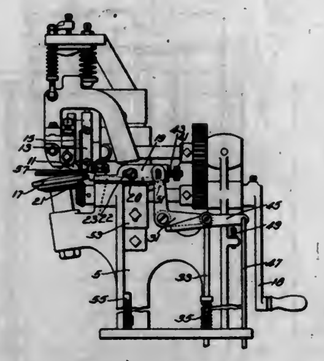
19. In an ice-cream sandwich making machine, the combination of a supply of ice-cream, a supply of wafers, means to form ice-cream sandwiches from said supplies, a supply of flat bags, and means to open said bags and to insert each sandwich in one of said bags.

1,482,139. LUG FOR WHEELS. NICHOLAS R. NELSON, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 12, 1920. Serial No. 373,106. 6 Claims. (Cl. 301—44.)



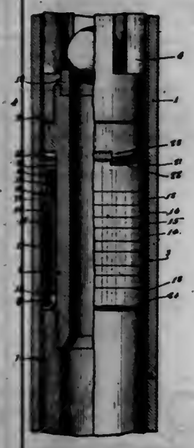
2. The combination of a wheel tire, a permanent lug having opposed flanges secured to the tire, a supplemental lug adapted to be superimposed on the permanent lug and having opposed flanges, and means to secure the flanges of the supplemental lug to the flanges of the permanent lug.

1,482,140. GAUGING DEVICE. EDWARD E. ORR, Weymouth, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 5, 1917. Serial No. 200,298. 38 Claims. (Cl. 12—47.)



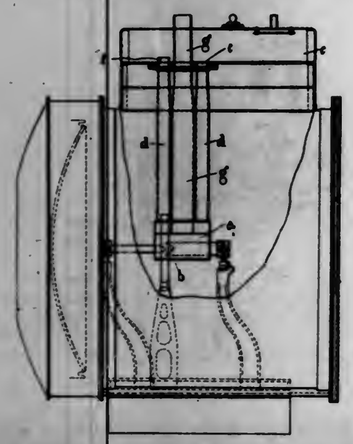
1. A sole-machine, having, in combination, a work support, a knife, an edge gage adapted to overlie the support to gage the cut made by the knife, and means for withdrawing the gage, at times during the operation of the machine, to a position below the work supporting surface of the table.

1,482,141. PACKING STRUCTURE. EMERSON M. PARKS, Sawtelle, Calif. Filed Oct. 24, 1922. Serial No. 596,633. 8 Claims. (Cl. 74—109.)



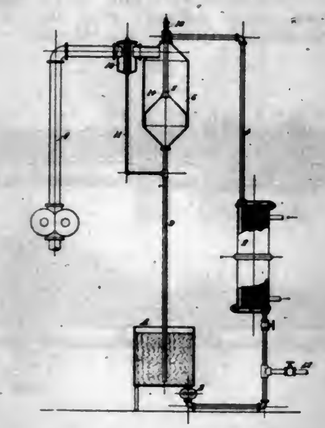
1. In a device of the nature disclosed, two relatively movable concentric members, one of said members having an annular seat and carrying a packing structure, said packing structure comprising an axially movable sleeve having an annular shoulder, and a reduced portion below said shoulder, and a compressible packing ring between said annular seat and said annular shoulder, the upper surface of the sleeve being exposed to the pressure packed against, whereby said pressure will translate the sleeve to compress the packing ring and force it against the walls of the sleeve and of the other of said members.

1,482,142. SEARCHLIGHT AND OTHER PROJECTOR. CHARLES ALGERNON PARSONS, EBENEZER BENNETT, and HARRY ROWE, Newcastle-upon-Tyne, England; said Bennett and Rowe assignors to said Parsons. Filed May 10, 1920. Serial No. 380,372. 3 Claims. (Cl. 176—51.)



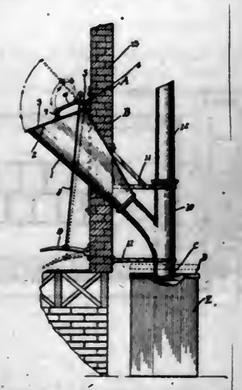
1. A lamp including a barrel, an arc within the barrel as the source of light, a water jacket for the arc and adapted to intercept the radiant heat from the arc, a reservoir supplying a cooling fluid to said water jacket, and circulation system including an inlet pipe and an outlet pipe extending into the reservoir, the reservoir end of the inlet pipe being at a lower level than that of the outlet pipe connecting said water jacket and reservoir.

1,482,143. APPARATUS FOR CONCENTRATING MILK. DAVID D. PEEBLES, Eureka, Calif. Filed Nov. 27, 1918. Serial No. 264,421. 7 Claims. (Cl. 159—2.)



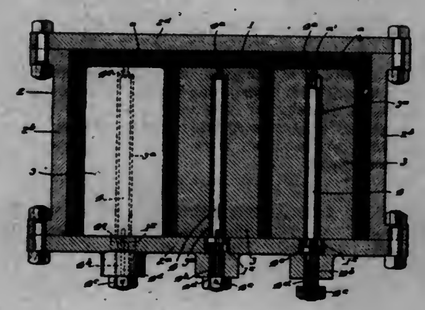
1. In an apparatus for dehydrating liquid substance, an expansion and vaporizing chamber, means for maintaining a vacuum in said chamber, and a pipe connection between said means and the top of said chamber, a branch pipe connected to said first mentioned pipe and the bottom of said chamber, a separator in said pipe connection, a liquid heater, a pump and pipe connection for supplying liquid through the heater to the expansion and vaporising chamber, said last mentioned pipe connection terminating in a spraying nozzle within said chamber, said nozzle being below said first mentioned pipe connection and above the outlet of said branch pipe connection.

1,482,144. GARBAGE-DISPOSAL DEVICE. LORENZO DOW PENDER, Tarboro, N. C. Filed June 5, 1922. Serial No. 565,826. 1 Claim. (Cl. 193—34.)



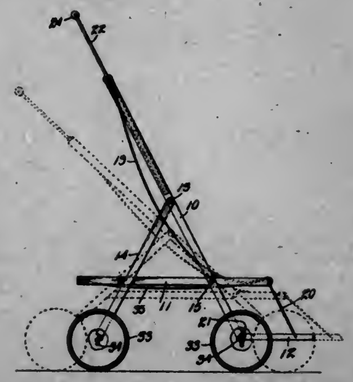
A garbage disposal device for mounting in the wall of a building, including a V-fitting, means for supporting the same in an upstanding position outside of a wall with one arm inclined upwardly toward the wall, a vent pipe extending upwardly from the other arm of the fitting, there being a space below the fitting to receive a container, a container cover slidably mounted on the lower arm of the fitting for engagement with a container to hold it assembled with the fitting, a downwardly tapered chute adapted to be mounted in a wall and engaging the inclined arm of the fitting, said chute having its large end uppermost, a hinged cover normally seated by gravity on the large upper end of the chute to close it, a bell crank lever supported above the chute, a connection between one arm of the bell crank lever and the cover, a foot lever below the chute, and a connection between the other arm of the bell crank lever and the foot lever.

1,482,145. MOLD. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1923. Serial No. 613,490. 5 Claims. (Cl. 18—35.)



1. In a vulcanizing mold, a mold member, a core or mandrel carried thereby and having a vent passage therethrough, and means operable from the exterior of the mold for opening and closing said vent passage.

1,482,146. FOLDING BABY CART. ALESSANDRO POMILIO, New York, N. Y. Filed Oct. 3, 1921. Serial No. 505,056. 13 Claims. (Cl. 280—41.)



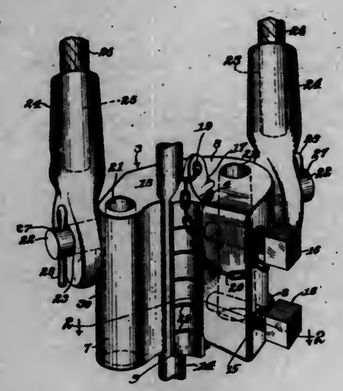
1. In a collapsible vehicle comprising a folding frame, a foot rest folding relatively thereto, and wheels mounted on pivoting axles for folding said wheels underneath the frame, substantially as set forth.

1,482,147. ELECTRIC-BULB ATTACHER. FRED HENDERSON POTTS, Asheville, N. C. Filed Apr. 3, 1922. Serial No. 549,213. 4 Claims. (Cl. 294—20.)



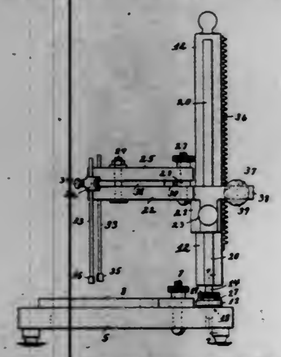
1. The combination with a pole; of a fixed and a movable jaw carried thereby, a spring pressed means movable longitudinally on the said pole to lock said movable jaw in either open or closed position.

1,482,148. CLAMP. JAMES P. RATIGAN, Los Angeles, Calif. Filed Jan. 4, 1922. Serial No. 526,966. 3 Claims. (Cl. 24—263.)



3. A clamp of the character described, comprising a body having a groove, one wall of the groove being channeled to receive a polish rod, a block in the groove having a groove opposed to the channel, means loosely engaging the block to force said block toward the channel, there being a lateral projection on the block engaging the body to prevent downward slipping of the block in the body when the block-forcing means are retracted, and means on opposite sides of the body to connect said body with a suspension tackle, the body having a leg disposed at an angle to the axis of the screw and said leg being provided with one of said connecting means and the connecting means being in a plane that passes through the axis of the rod that is held between the body and block.

1,482,149. PARALLELOMETER. FRANK J. REMY, Brooklyn, N. Y. Filed Aug. 22, 1922. Serial No. 583,486. 5 Claims. (Cl. 32—10.)



1. In a device of the character set forth, a base, a standard thereon, a shelf movable vertically on said standard, a clamping plate on said shelf, bars mounted between said shelf and plate and held adjustably thereby, and rods adjustably mounted in said bars.

1,482,150. SAFETY. ZACHARIAH E. RICE, Landisburg, Pa. Filed June 6, 1922. Serial No. 566,299. 2 Claims. (Cl. 42—70.)



1. In combination with a gun stock, a plate supported thereon, a spring pressed indicating member supported by the plate, a sliding locking member supported over the plate and having an opening, said sliding locking member adapted to be moved to a position directly over the indicating member, an arm forming a part of the sliding locking member, and a spring member contacting with the depending arm to restrict movement of the sliding locking member.

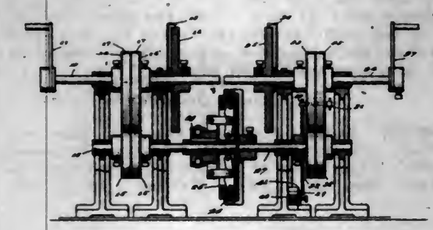
1,482,151. METALLIC FASTENER. HEYMAN ROSENBERG, New York, N. Y. Filed Sept. 24, 1921. Serial No. 502,972. 11 Claims. (Cl. 85—44.)



1. A fastener comprising a pin-like body having high-pitched threads extending longitudinally on the body, and an interlock formed on the body of the pin and adapted to be engaged by the material caused to move by the action of the threads in reaching their final position.

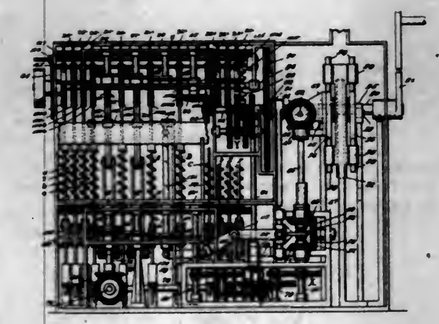
1,482,152. CALCULATING MACHINE. TAYLOR W. ROSS, Newport News, Va. Filed Nov. 9, 1918. Serial No. 261,765. 7 Claims. (Cl. 235—61.)

1. A calculating machine comprising a shaft carrying a number-indicating element indicating its angular position, a second shaft, variable-radius connecting elements between the first and the second shafts whereby movement of the first shaft will result in a movement of the second shaft proportionate to a logarithmic function of the movement of the first shaft, a separable connection between the first and second shafts whereby successive movements of the first shaft may be cumulated in the second



shafts, a third shaft carrying a number-indicating element, and separable connections between the second and third shafts whereby the cumulated position of the second shaft may be translated into a number position of the third shaft corresponding to the logarithmic position of the second shaft.

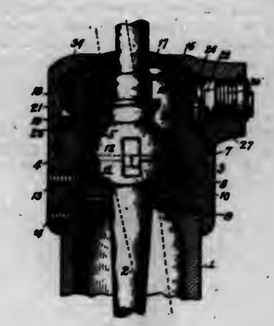
1,482,153. CALCULATING MACHINE. TAYLOR W. ROSS, Newport News, Va. Filed June 18, 1921. Serial No. 478,468. 9 Claims. (Cl. 235—60.)



1. A calculating machine comprising a primary operating element, means for indicating in numerical terms variations of said primary element from initial position, counter mechanism for indicating logarithmic values, separable connections between the primary element and the logarithm counter for moving the logarithm counter in either direction by movement of the primary element in either direction, said connections embodying a pair of coacting elements, one of which is moved through distances measured in logarithmic values corresponding to distance movements of the primary element measured in numerical values.

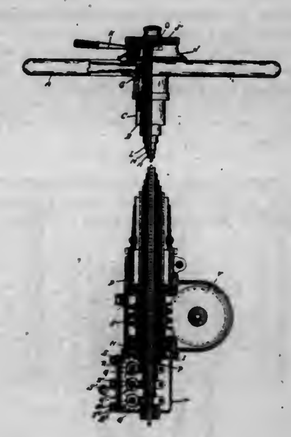
1,482,154. LOCK. AUGUSTUS C. SAXTON, Chicago, Ill., assignor to H-R Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 27, 1922. Serial No. 564,052. 12 Claims. (Cl. 70—128.)

10. In lock mechanisms for shift levers for transmission devices comprising a support and a lever operatively supported thereby, a member movable with the lever, a second member movable into and out of the path of movement of said first mentioned member, a lock element con-



nected to said second mentioned member and movable to move the same to or out of the path of movement of said first mentioned member.

1,482,155. STEERING GEAR. EARL H. SHERBONDY, Detroit, Mich., assignor to Sidney D. Waldon, Detroit, Mich. Filed Apr. 20, 1921. Serial No. 463,003. 7 Claims. (Cl. 74—39.)



1. In a steering gear, the combination with a tubular steering stem, of a plurality of tubular control shafts telescopically engaging said stem, control levers secured to the respective control shafts and in the same plane, and hubs for said control levers forming spacers between the several tubular shafts, said hubs being cut away to permit a limited independent movement of each lever.

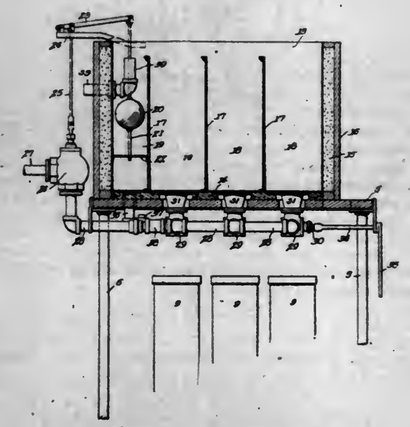
1,482,156. ANTISKID ATTACHMENT. FRANK P. SHERONAS, New Haven, Conn. Filed Mar. 15, 1921. Serial No. 452,491. 2 Claims. (Cl. 152—14.)

1. An anti-skid attachment for wheels, comprising a U-shaped member adapted to embrace a spoke of the wheel, a threaded pin connecting the arms of said U-shaped member to retain it in position on the spoke, a plate secured to the base of said U-shaped member and extending transversely of the wheel, one side of said plate being curved to fit the inner side of the felly of the wheel, said plate being provided with curved ends, a piece of spring



metal secured to said plate and cooperating with said curved ends to form chain securing means, and a chain extending transversely of the wheel and having its ends secured in said chain securing means.

1,482,157. MEASURING CAN FILLER. THOMAS SHIPLEY, York, Pa. Filed June 30, 1923. Serial No. 648,813. 5 Claims. (Cl. 226—105.)

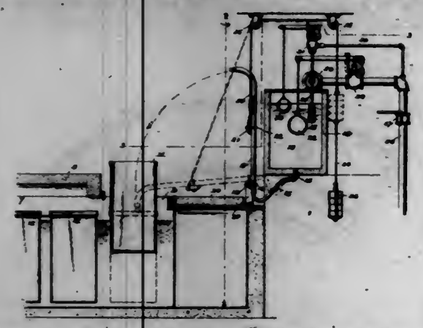


1. In a liquid measuring device, the combination of a measuring chamber having an overflow; a valve mechanism serving to control the alternate filling and emptying of said chamber; means operable by liquid passing said overflow and serving to terminate the filling flow to said chamber; and a connection controlled by said valve mechanism and serving to return the overflowed liquid to the measuring chamber as the latter starts to fill.

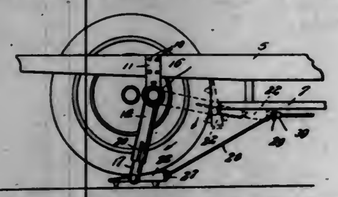
1,482,158. WATER MEASURING AND FEEDING DEVICE FOR CAN ICE PLANTS. THOMAS SHIPLEY, York, Pa. Filed June 1, 1923. Serial No. 642,797. 10 Cams. (Cl. 226—105.)

1. In a liquid measuring device, the combination of a plurality of measuring chambers; controllable means for discharging liquid from said chambers; a header connected with each of said chambers near to but slightly below

the maximum liquid level therein, whereby the header serves as a level equalizing connection when th chambers are substantially full; and means controlled by the level of liquid in one of said chambers serving to control the supply of liquid to said header.

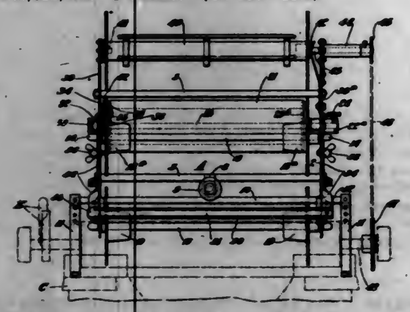


1,482,159. EMERGENCY BRAKE FOR VEHICLES. DELMAR R. SPUNG, Crooksville, Ohio. Filed Mar. 6, 1923. Serial No. 623,094. 1 Claim. (Cl. 188—4.)



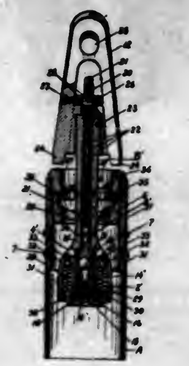
In a vehicle emergency brake, a pair of tubular supporting members supported for rocking movement upon the vehicle chassis bars and forwardly of the vehicle rear axle, rods carried by said supporting members, brake shoes pivotally disposed upon the free ends of said rods, means for maintaining said shoes forwardly of the vehicle rear wheels, means for releasing said first mentioned means for permitting said shoes to swing downwardly beneath said wheel, and means for normally maintaining said shoes in close contact with said wheels.

1,482,160. TYPEWRITER ATTACHMENT. HAYES C. STEVENS, Pittsburgh, Pa. Filed Jan. 13, 1923. Serial No. 612,431. 4 Claims. (Cl. 197—133.)



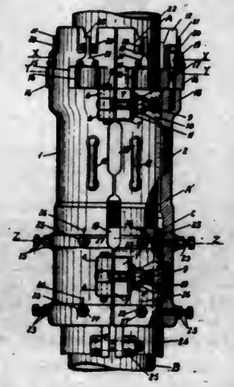
1. The combination with a typewriter having the usual body portion, carriage and rotary platen, of an automatic paper and carbon sheet supply mechanism supported on said carriage and adapted to supply original, copy and carbon paper to said typewriter, said mechanism comprising a frame member consisting of a pair of side members secured to said carriage, and connected by a plurality of tie rods, a pair of paper supply rolls journaled in said side members, a copy windup and storage roll journaled in said side members and adapted to receive the copy paper after it has passed beyond said platen, means operated by said platen for rotating said windup roll, a carbon sheet supply roll journaled in said frame, said last named roll being adapted to automatically retract the carbon sheet after each writing upon the operation of the paper release mechanism of the typewriter.

1,482,161. DEVICE FOR RAISING PETROLEUM AND THE LIKE. JOSEF STREDA, Trutnov, Czechoslovakia. Filed Nov. 13, 1922. Serial No. 600,733. 6 Claims. (Cl. 294—69.)



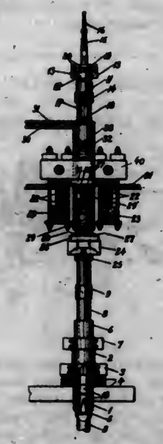
1. A bailer of the character described for raising liquid out of petroleum wells, comprising a valve body having an enlarged valve head, a bailer tube having in its upper part a valve seat whereby it can be suspended on said valve head, and means for suspending the apparatus through the medium of the valve body so as to prevent the liquid from being expelled by the expanding gases when the apparatus is raised.

1,482,162. DEVICE FOR ALIGNING PIPES FOR CONNECTION. JOSEPH STREDA, London, England. Filed Dec. 4, 1922. Serial No. 604,942. 5 Claims. (Cl. 29—84.)



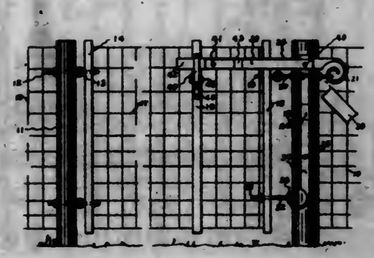
1. A device for aligning pipes for connection, comprising a sleeve adapted to receive the pipe ends, radial screws fitted in the lower part of the sleeve for centering the sleeve on and securing it to the pipe end, and adjustable rollers mounted in the upper part of the sleeve so as to hold the other pipe in alignment with the first one while both are screwed together.

1,482,163. METHOD OF AND MEANS FOR FREEING JAMMED EARTH-BORING COLUMNS. JOSEPH STREDA, London, England. Filed Dec. 4, 1922. Serial No. 604,947. 5 Claims. (Cl. 255—1.)



1. A method of freeing jammed earth boring columns, consisting in forming a space underneath the lowest end of the column and subjecting the latter to simultaneous downward pressure and percussion.

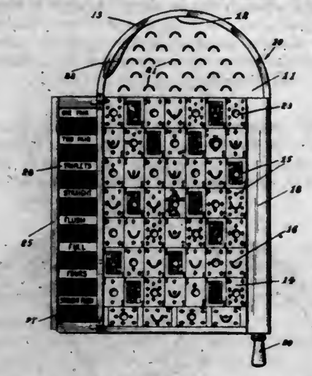
1,482,164. WIRE-GATE LATCH. HARRY H. SUTTON, Lucas, S. Dak. Filed Jan. 18, 1923. Serial No. 613,849. 4 Claims. (Cl. 292—247.)



1. In combination with a flexible gate, a gate post, a latch pivoted on said post and having a hook, means carried by the gate to engage said hook, and a keeper on the gate for receiving a part of the latch.

1,482,165. GAME. JOHN THOMAS, Montreal, Quebec, Canada. Filed Nov. 5, 1921. Serial No. 513,096. 1 Claim. (Cl. 46—61.)

The herein described game board comprising a body portion having a curved upper end, means for elevating one end of the game board, a flange extending around said board, a pad attached to the flange, deflectors secured to the board, a projection mechanism at one side of the board, balls movable over the surface of the board, a covering for said board having indication marks thereon representing the cards of a pack of playing cards, means centrally of each card for engaging the balls and holding them against further movement, an attachment at one side of the board, means for removably holding the attachment in position,



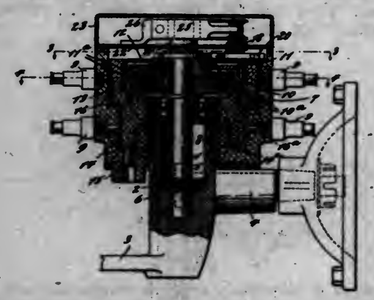
said attachment forming a channel, and means within the channel to indicate the number of points and the like for the game.

1,482,166. CURTAIN BRACKET. HARRY A. THORDOX, Chicago, Ill. Filed Oct. 22, 1921. Serial No. 509,661. 3 Claims. (Cl. 156—22.)



2. A curtain bracket comprising an elongated plate; a hook at one end of said elongated plate; a pair of window casing engaging prongs at the other end of said plate disposed at right angles to the latter, said prongs being pointed and the remote edges thereof being parallel; a short plate attached to the elongated plate with one end portion of the short plate providing a shoulder disposed parallel to said prongs; and a hook at the other end of the short plate.

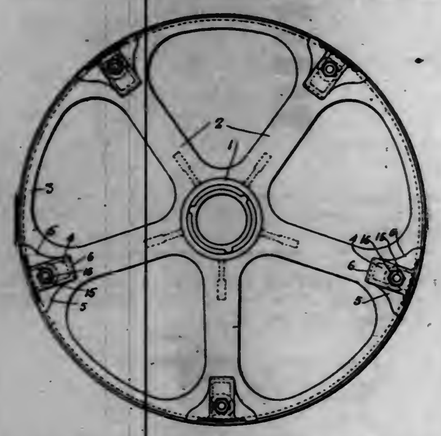
1,482,167. CIRCUIT CONTROLLER. RICHARD VARLEY, Englewood, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Aug. 1, 1919. Serial No. 314,643. 17 Claims. (Cl. 200—20.)



4. A circuit controller comprising a rotative primary member arranged to be driven by a prime mover, a rotary secondary member having a floating relation with the primary member when the latter is stationary, resilient retractible means impelling the secondary member in one direction, a movable contact arranged to be closed by the secondary member when the latter is rotated against the force of the retractile means, and means for transmitting a torque from the primary member to the secondary member in excess of the force of the retractile

means, said torque transmitting means being inoperative to couple the two members when the primary member is stationary, whereby the secondary member is free to be retracted and open the contact and rotates relative to the primary member to open contact position under the influence of the retractile means when the primary member stops.

1,482,168. WHEEL. FRANK H. WALKLEY, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 25, 1922. Serial No. 596,714. 6 Claims. (Cl. 301—22.)



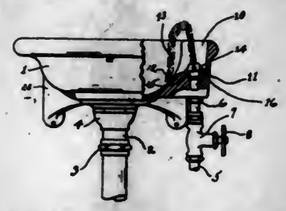
1. In combination, in a wheel, wheel spokes and rim, a plurality of bolts passing through the free ends of each of said spokes, supporting shoulders adjacent ends of said spokes, three point clamps carried by said bolts, a locking ring, one portion of said clamps engaging with the shoulder on the spoke and the other portions of which engage with said locking ring carried on one wall of the spokes, and a demountable rim engaging therewith and with the inner wall of the spokes.

1,482,169. SLIDING SASH WINDOW. JACOB WEBER New York, N. Y., assignor to Standard Comfort Window Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,768. 3 Claims. (Cl. 20—43.)



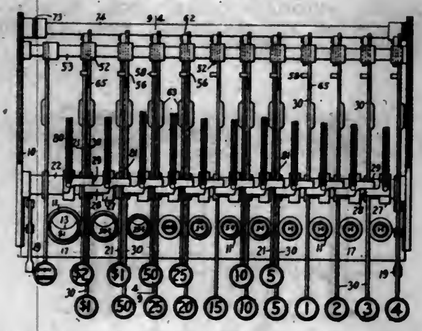
1. In a window, a relatively wide sliding sash and guides therefor, a relatively narrow sash adapted to pass between the guides of the first-named sash when the latter is in one of its extreme positions, means for freely suspending said sashes pivotally connected upon a horizontal axis to the lower extremities of said sashes, and guides for the second-named sash, terminating in a position which permits said sash when moved upon its pivotal connection to freely pass between the guides of the first-named sash when the two sashes are in opposite extreme positions, whereby said second named sash may be entirely reversed upon its pivotal connection without removing said first named sash.

1,482,170. SANITARY DRINKING FOUNTAIN. EDWARD T. WEBSTER, Milwaukee, Wis. Filed July 28, 1921. Serial No. 488,066. 8 Claims. (Cl. 299—12.)



1. In a drinking fountain, the combination of a catch bowl and a nozzle therein, said nozzle being provided with an upwardly extending laterally inclined nozzle port leading through the top of the nozzle, said nozzle also having a series of openings leading from an intermediate portion of the port through the walls of said nozzle below the outer margin thereof.

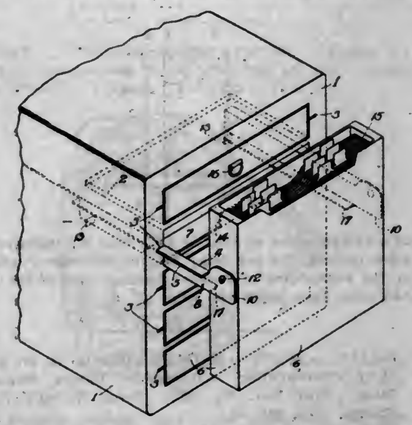
1,482,171. CHANGE-MAKING MACHINE. CHRISTIAN J. WEINMAN, MARK T. SCHUSTER, and JAMES O. CAYLOR, Dayton, Ohio. Filed June 6, 1921. Serial No. 475,267. 44 Claims. (Cl. 133—2.)



1. In a device of the character described, a plurality of receptacles, each adapted to contain coins of a single denomination, an ejector for each receptacle, actuating devices for the respective ejectors, an operating member normally connected with a predetermined number of said ejectors and normally disconnected from the remainder of said ejectors, and means under the control of the operator to cause a selected number of said actuating devices to change their operative relation with their respective separately engaging them for holding them in an upright position.

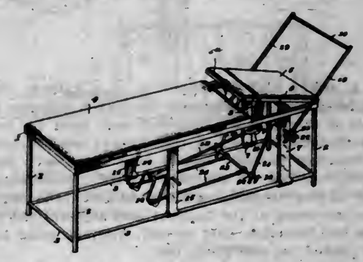
1,482,172. FILING DEVICE FOR TALKING-MACHINE RECORDS. ANDREW L. WEIS, Monroe, Mich., assignor to The Weis Manufacturing Company, Monroe, Mich., a Corporation of Michigan. Filed Jan. 29, 1921. Serial No. 440,934. 2 Claims. (Cl. 45—96.)

2. In a filing device, the combination of a cabinet, sheet metal slides disposed in a horizontal plane within said cabinet, a receptacle pivoted upon and between the outer ends of said slides, to tilt about a transverse axis, and means to rigidly connect said slides, each slide comprising an upper outer flange and a lower inner flange, the cabinet having grooves forming guides for the



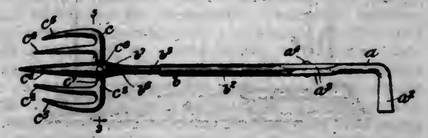
upper flanges of the slides, the outer ends of the lower flanges of the slides serving as stops to limit the tilting motion of said receptacle, and the inner ends of the lower flanges of the slides being formed to limit the outward sliding motion thereof in said grooves.

1,482,173. EXERCISING APPARATUS. CHARLES E. WILLARD, Washington, D. C. Filed Sept. 13, 1922. Serial No. 588,038. 10 Claims. (Cl. 128—70.)



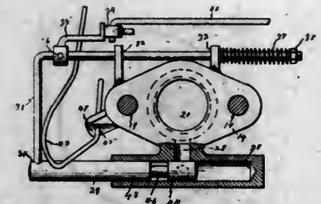
1. An exercising apparatus comprising a table adapted to support a patient in a prone position, said table comprising a stationary section and a movably mounted section, an arm bar mounted on said table and adapted to have a swinging movement thereover, and common means for swinging the arm bar and moving the movable section.

1,482,174. CLINKER, COAL, AND CINDER TONGS. JAMES H. WILLIAMSON, New York, N. Y. Filed Apr. 12, 1921. Serial No. 460,736. 5 Claims. (Cl. 294—11.)



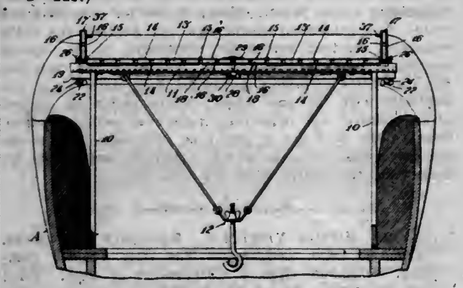
1. A pair of tongs of the class described comprising handle members pivotally connected and provided with arm extensions provided with similar claw shaped jaws having fingers which increase in length from the opposite sides thereof inwardly the lengths of the arm members or extensions being longitudinally adjustable.

1,482,175. VAPORIZER. HARRY C. WILSON, Detroit, Mich. Filed May 13, 1922. Serial No. 560,856. 13 Claims. (Cl. 123—119.)



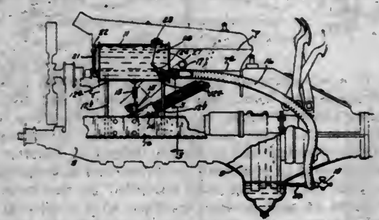
5. The combination with a gas engine having an intake manifold, a carburetor and control mechanism for operating the same, of an auxiliary air supply means; and a pair of means for controlling the flow of air through said supply means, one of said control means being manually operable and the other being disconnected from and operable by said control mechanism.

1,482,176. CONVERTIBLE MATTRESS SUPPORT FOR AUTOMOBILE BEDS. JET WIMP, Chicago, Ill. Filed June 5, 1922. Serial No. 566,171. 9 Claims. (Cl. 5—119.)



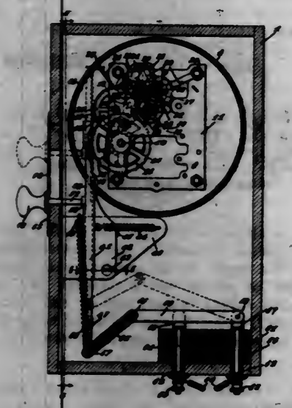
1. A mattress-supporting device comprising in combination a body portion and a wing hingedly connected at one side thereof, said wing being formed of separated slats, and means lying alongside of said slats and separately engaging them for holding them in an upright position.

1,482,177. INTERNAL-COMBUSTION ENGINE. WILLIAM A. ZIEGLER, Minneapolis, Minn. Filed Oct. 10, 1921. Serial No. 506,910. 2 Claims. (Cl. 184—103.)



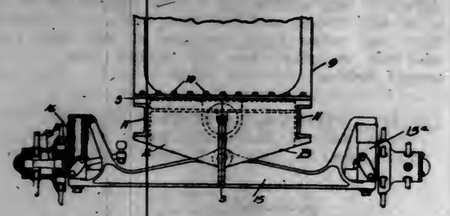
2. The combination with the crank case of an engine, of an elevated auxiliary oil supply tank having an oil delivery conduit arranged for gravity feed of oil therethrough into said crank case, and at the place of delivery into said case having a small short approximately horizontal regulator tube, the conducting capacity of which is not more than one-fifteenth that of the body of said oil delivery conduit, whereby there will be no feed of oil through the conduit when the engine is idle but oil will flow through said conduit when said engine is in action and the lower end of said conduit is then covered.

1,482,178. TIME SWITCH. GEORGE ZINZEL, Scranton, Pa. Filed Feb. 17, 1922. Serial No. 537,225. 7 Claims. (Cl. 200—33.)



1. In a device of the class described, an operating train comprising a gear wheel; spring means for operating the train; time-controlled mechanism for holding the train releasably against movement responsive to the spring means; a rack bar; means for mounting the rack bar for transverse swinging movement, into and out of engagement with the gear wheel; means under the control of an operator for imparting transverse swinging movement to the rack bar at any time to release it from engagement with the gear wheel; a switch; and means for connecting the switch with the rack bar.

1,482,179. MOTOR VEHICLE. BENJAMIN C. ZUHARS, Columbus, Ohio, assignor to The Ohio Tractor Company, Columbus, Ohio, a Corporation of Ohio. Filed July 22, 1921. Serial No. 486,873. 2 Claims. (Cl. 180—1.)



1. In a structure of the character described, a bolster constructed with front, rear and side walls and also with integral interior walls to provide an open-top water chamber in the upper part of said bolster extending substantially throughout the length thereof, a radiator supported on said bolster with its lower end communicating with said chamber, an axle straddled by the front and rear walls of said bolster together with a pivotal connection between the same, and a power unit having a part on its forward end journaled in the rear wall of said bolster.

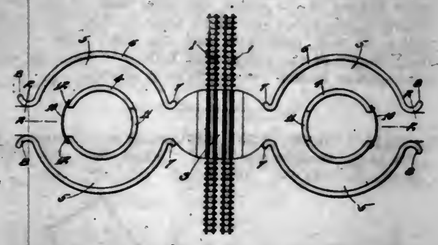
1,482,180. FOLDING BOX. WILLIAM BAMBER, Sutton, England. Filed Mar. 27, 1922. Serial No. 547,238. 4 Claims. (Cl. 229—37.)

1. A folding box comprising two sides and two ends, one end and one side being adapted to fold upon the other end and the other side when collapsed, flaps extending from one edge of each side of the box and adapted to form front and back closures for the same, the ends of the box being of equal length when collapsed, and the one end being creased in such manner that it will fold to a V-shape when erected, while the other end is creased



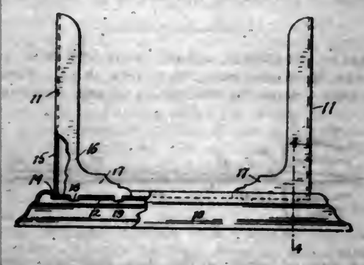
adjacent its sides so that it will form an indented end when erected, the box being held in the erected position by the engagement of tongues forming part of the front and back flaps inside the sides of the box.

1,482,181. SAFETY HIGHWAY APPROACH TO RAILWAY CROSSINGS. WILLIAM H. BANKS, Winthrop, Mass. Filed Nov. 15, 1922. Serial No. 601,172. 4 Claims. (Cl. 238—3.)



1. A safety highway approach to a railway crossing comprising an enclosed area of curved contour in the middle of the highway somewhat back from the crossing and surrounded by a guard, the highway being divided into two branches to pass around said area, said branches merging together on the side toward the crossing, the guard having movable sections adjacent the beginning of the branching of the highway and adjacent the merger of the two branches, said movable sections being adapted to be opened for emergency use.

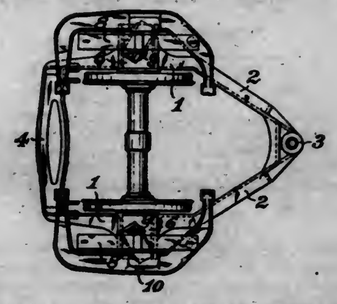
1,482,182. CARD HOLDER. WARWICK G. BATH, Newton Falls, Ohio. Filed Feb. 19, 1923. Serial No. 620,085. 4 Claims. (Cl. 40—124.)



1. A card holder comprising a sheet metal base member tapering toward the top and having a flat top portion, and a pair of sheet metal standards of channel form arranged with the channels facing inwardly and having squared lower ends resting on said flat top portions of

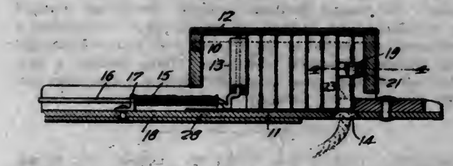
the base member at the opposite ends thereof, said standards having tongues projecting through openings in said flat top portion of the base member and bent against the under surface thereof.

1,482,183. TRAILING-TRUCK FRAME. JAMES G. BLUNT, Schenectady, N. Y. Filed May 15, 1923. Serial No. 639,047. 1 Claim. (Cl. 105—174.)



An integral trailing truck frame comprising two side members; two inwardly inclined radius bar arms, extending therefrom to a radius bar pin box; two journal boxes, each extending outwardly from one of the side members; and a transverse member, connecting the rear ends of the side members.

1,482,184. TOOL FOR HANDLING BLASTING CAPS. ELMER DIAL, Mill Run, Pa. Filed May 25, 1923. Serial No. 641,363. 5 Claims. (Cl. 86—22.)



1. A magazine for caps having an outlet hole and means for crimping the walls of a cap upon an inserted fuse adjacent said hole.

1,482,185. MOLDING PROCESS. HENRY C. EGERTON, Ridgewood, N. J. Filed Apr. 14, 1919. Serial No. 289,960. 8 Claims. (Cl. 18—56.)



1. The process of molding thin warped surface articles comprising a number of layers of fabric carrying impregnating cured phenolic condensation cementing material, which comprises assembling on a removable metallic mold facing a plurality of article blanks, heating the mold facing and article blanks and forcing the blanks together into substantially contact to form a contoured shaped partly cured article blank substantially corresponding to the finished article, transferring the removable mold facing and article blank to the pressure curing mold having a shaped molding cavity corresponding to the removable mold facing and forcing an equalizing molding member against the article blanks to complete the final shaping of the article and heating them to effect their heat curing while they are strongly compressed to consolidate the layers of fibrous material.

1,482,186. SHEET-METAL DRAFTING INSTRUMENT. EMANUEL F. FALES, Wilmington, N. C. Filed Dec. 10, 1919, Serial No. 343,783. Renewed Dec. 27, 1923. 30 Claims. (Cl. 33—27.)



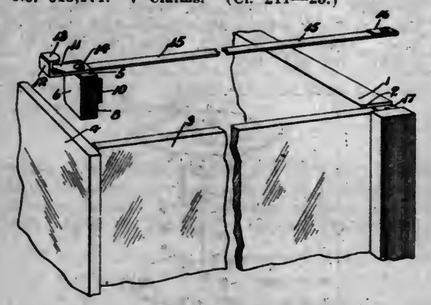
1. A drafting implement comprising a shank, a disk mounted on one end thereof, and a pair of disks mounted upon the opposite end of the shank, said pair of disks being adjustable relatively to each other and to the shank.

1,482,187. CONCRETE-BLOCK-MAKING PLANT. ARTHUR G. HATCH, Duluth, Minn. Filed July 3, 1922. Serial No. 572,362. 2 Claims. (Cl. 25—2.)



1. A concrete block making plant, comprising concrete mixing and conveying means, a mold bed, said bed comprising mold sections adapted to form one face and the sides of blocks, and upper sections adapted to form the remaining face of the blocks and to support another layer of molds, and conveying means for the molds and formed blocks.

1,482,188. SHOWCASE CONSTRUCTION. RODNEY L. HENRICK, Grand Rapids, Mich., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 17, 1923. Serial No. 613,171. 7 Claims. (Cl. 211—25.)



1. A device of the class described comprising a sheet metal construction having two spaced apart sides, a top and an end, spaced apart tongues struck from one of said sides at right angles thereto, a member having a leg located against the upper side of the top and pivotally connected thereto to turn about a vertical axis, said leg at its free end being bent upwardly at right angles for a

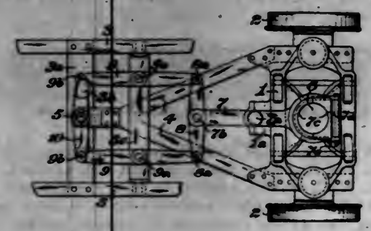
distance and then back over the leg and parallel thereto to terminate in a tip paralleling the leg, and a length of metal tape attached to said member and said sheet metal construction and turning with the member about its pivotal connection to the said construction, substantially as and for the purposes described.

1,482,189. LOCK. FREDERIC K. HEYER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed May 29, 1923. Serial No. 642,253. 4 Claims. (Cl. 70—92.)



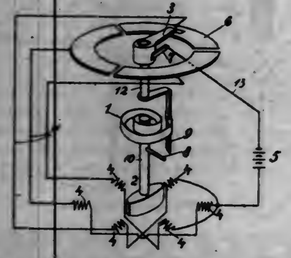
1. In a cylinder lock, the combination with a cylinder and two key operated plugs mounted therein and adapted for operation by different keys, of a cam loosely mounted on one of said plugs, and means controlled by the other plug for connecting said cam with and disconnecting it from the first mentioned plug.

1,482,190. LOCOMOTIVE TRUCK-CURVE-ADJUSTING MECHANISM. FREDERICK C. HOHENSTEIN, Dunkirk, N. Y. Filed Mar. 29, 1923. Serial No. 628,468. 4 Claims. (Cl. 105—174.)



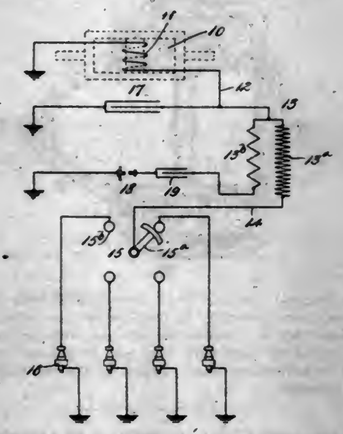
1. The combination, in a locomotive, of a main frame; a two wheeled truck; a radius bar, connecting said truck pivotally to the main frame; and means for governing the fulcruming point of the truck swing by the swing of the truck itself.

1,482,191. ELECTRIC WINDING DEVICE FOR SPRING MOTORS. WILLY HORNAUER, Neukolln, Germany, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Filed Dec. 4, 1922. Serial No. 604,849. 5 Claims. (Cl. 185—40.)



1. In a spring motor, the combination with a driving spring, of a rotary electric switch connected to the trail end of said spring so as to be rotated thereby, a magnet system controlled by said switch so as to create a rotating magnetic field, and an armature arranged in the field so as to follow the rotation of the latter, the armature being connected to the leading end of the spring so as to advance it in proportion as the trail end is being retracted.

1,482,192. IGNITION SYSTEM. DOW B. HUGHES, New York, N. Y., assignor to Motor Ignition & Devices Company, a Corporation of West Virginia. Filed May 10, 1912, Serial No. 696,334. Renewed Apr. 25, 1921. Serial No. 464,260. 3 Claims. (Cl. 123—148.)



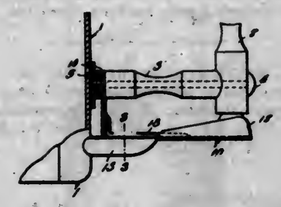
1. In an ignition system for internal combustion engines, an engine driven generator, a transformer, a spark plug connected to the secondary of the transformer, and means for timing ignition and for advancing ignition in acordance with increase in engine speed, comprising a condenser connected to the generator so as to be charged and thence discharged when the voltage reaches a predetermined value, said condenser having a discharge circuit including the primary of the transformer.

1,482,193. CLAMPING DEVICE. GEORGE C. HUME, Chilton, Wis. Filed July 5, 1923. Serial No. 649,504. 1 Claim. (Cl. 24—248.)



A clamping device for bags, comprising a supporting plate provided at one end with a lug which projects laterally from it at substantially a right angle and is provided with a slot, said plate having also two arms which project laterally of it under the said lug, an eccentric clamping block pivoted between the said arms upon a pin arranged crosswise of the said slot and adapted to clamp a bag against the said plate, and a handle secured to the said block and projecting through the said slot and limiting the movement of the block away from the said plate by contact with the outer end of the said slot.

1,482,194. HANDLE PROTECTOR. JOHN ELMER JANES, Industry, Ill. Filed July 27, 1923. Serial No. 654,195. 3 Claims. (Cl. 53—3.)



1. A percolator handle protector comprising a plate having a right angular extension at one end to form an attaching tongue, said tongue having a longitudinally extending slot with an opening through one side wall thereof.

1,482,195. DOUGH-WORKING MACHINE. CHARLES KERN and AUGUST KAMINSKI, St. Louis, Mo., assignors, by mesne assignments, to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 22, 1919. Serial No. 340,017. 18 Claims. (Cl. 107—12.)

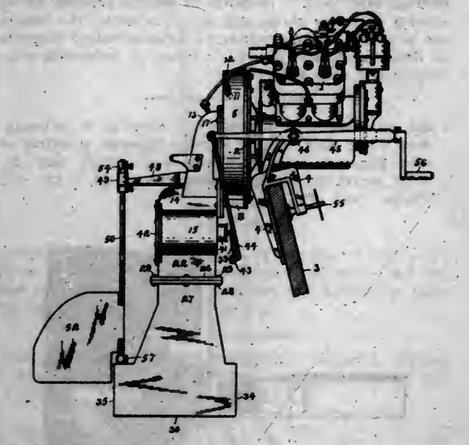


1. In a dough working machine, a dough folding mechanism comprised of a single swinging frame bearing a pair of spaced apart opposing conveyors.

6. In a dough working machine, the combination with an endless travelling support, of a dough hopper, a pair of sheeting rolls arranged there adjacent, a folding mechanism arranged below said sheeting rolls comprising a pair of opposing conveyors adapted to swing from a single fulcrum and held a set distance apart from one another, and means for swinging said mechanism whereby to deposit the dough sheet as it is passed from between said sheeting rolls from said travelling support in folds arranged transversely of the dough sheet, and a second set of sheeting rolls arranged at right angles to said first mentioned sheeting rolls for resheeting said lapped dough sheet.

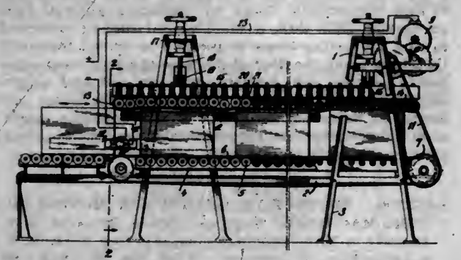
1,482,196. CENTRIFUGAL PROPELLER. ORLANDO C. KETRING and JACOB LE ROY KETRING, Portland, Ind. Filed May 14, 1923. Serial No. 638,772. 6 Claims. (Cl. 115—16.)

3. A propeller for boats comprising a pump, means for operating the pump, a cylinder spaced from the pump, means for conducting water between the cylinder and both the intake and the discharge of the pump, a head located below the cylinder and adapted to convey water both upward and downward at the same time, a core rotatably



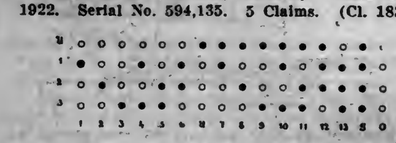
mounted in said cylinder and adapted to be turned to change the direction of flow of the water through said head, all substantially as shown.

1,482,197. CARTON-CLOSING MACHINE WITH AUTOMATIC STOP MECHANISM. WALLACE D. KIMBALL, New York, N. Y., assignor to Standard Sealing Equipment Corporation, New York, N. Y., a Corporation of New York. Filed July 16, 1921. Serial No. 485,189. 12 Claims. (Cl. 93—6.)



1. In a machine for sealing filled cartons, a presser member for applying pressure to the flaps of the carton, means for advancing the carton into the machine under the action of said presser member, and automatic means for discontinuing the advancing force applied to said carton immediately after its complete introduction to the action of said presser member.

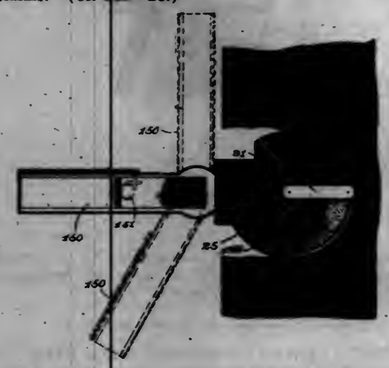
1,482,198. CARD-SORTING MACHINE. MARTIN LEBEIS, Berlin-Friedenau, Germany, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Filed Oct. 12, 1922. Serial No. 594,135. 5 Claims. (Cl. 183—92.)



1. In a card sorting machine, the combination with a vertical delivery channel and with a plurality of receivers communicating with said channels, of a plurality of flaps forming part of the channel walls and being ar-

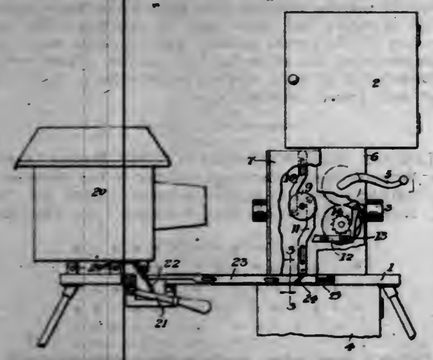
ranged so as to divert admitted cards into different receivers according to their position, operating elements controlling said flaps, a plurality of feelers adapted to co-operate with the cards, and means whereby the feelers can be utilized for controlling as many operating elements as there are feelers plus the number of obtainable combinations of such feelers.

1,482,199. MINING MACHINE. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Mar. 20, 1916, Serial No. 85,243. Renewed Jan. 22, 1923. 182 Claims. (Cl. 262—28.)



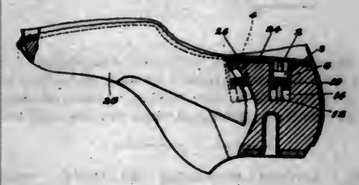
1. In a mining machine, the combination with a main supporting frame, of a supplemental frame pivotally connected at its rear portion to said main frame in a relatively low position, means mounted on the forward end of said supplemental frame for dislodging material from an upright mine wall, a supplemental support connected to said supporting frame in position to extend forwardly therefrom along the floor of the mine chamber, means connected between such forward extension and said supplemental frame for assisting in supporting the latter, and means for adjusting the height of said adjusting mechanism by swinging said supplemental frame on its pivotal support relatively to said main frame.

1,482,200. PROTECTIVE DEVICE FOR MOVING-PICTURE MACHINES. NICHOLAS POWER, Brooklyn, N. Y., assignor to Nicholas Power Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 25, 1913. Serial No. 750,530. 8 Claims. (Cl. 88—17.)



1. In a moving picture machine the combination of a plurality of protective casings enclosing the operating mechanism and the film reels, said casings having movable portions for permitting access to the interior thereof, means for preventing the operation of the machine when said movable portions are out of their protective position and means operatable when said movable portions are closed for rendering said machine operative.

1,482,201. METHOD OF MAKING SHOES. ARTHUR F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 23, 1921. Serial No. 502,666. 12 Claims. (Cl. 12—142.)



10. That improvement in the art of making turn shoes which comprises providing a second last and a combined heel pad and stiffener, one having a plurality of recesses and the other a plurality of projections to co-operate with the recesses, each recess and its co-operating projection being spaced at the same predetermined distances from the heel end of the shoe, then assembling the heel pad on the last with the recesses and projections in co-operative relation to hold the pad in predetermined position on the last and to prevent relative longitudinal movement of the pad and last, inserting the pad and last in a turned shoe, lasting the heel-seat of the shoe upon said pad, and then completing the shoe in the usual manner.

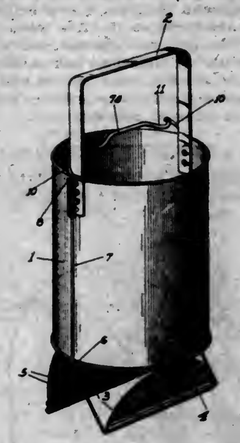
1,482,202. JEWELRY TRAY. CAMILLE E. ROY, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 510,025. 5 Claims. (Cl. 211—28.)



1. A tray including in combination a frame of sheet metal, a wood insert and a bottom, the inner wall of said frame forming an inwardly-projecting shoulder and terminating in an inwardly-projecting flange, the outer wall of said frame projecting downward and terminating in a plurality of lugs, and the said insert having a recess on the upper inner edge to fit said shoulder and a recess on the lower outer edge to receive the said lugs of said outer wall.

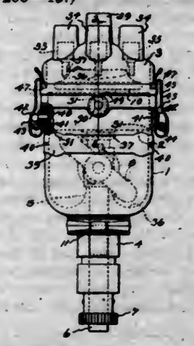
1,482,203. POTATO AND FRUIT PICKING BUCKET. SHIKATARO SAKAMOTO, Stockton, Calif. Filed July 5, 1922. Serial No. 572,976. 2 Claims. (Cl. 226—36.)

1. A bucket comprising an open topped receptacle, bottom members for the bucket hinged thereto at opposed points, said members when in alinement forming a complete closure for the bottom of the bucket, a rigidly fixed bail for the bucket projecting thereabove, an auxiliary bail slidably mounted on the outside of the bucket for vertical movement relative thereto, and connected to the bottom



members, and catch means on the auxiliary bail adapted to engage the main bail when the bottom members are in their closed position.

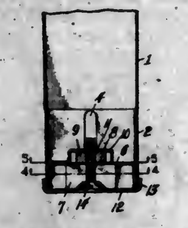
1,482,204. TIMER DISTRIBUTOR. WOLFGANG E. SCHWARZMANN, Longmeadow, and ADOLPH ROSNER, Springfield, Mass., assignors to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed June 4, 1921. Serial No. 475,063. 9 Claims. (Cl. 200—19.)



1. In a timer distributor having an interrupter mechanism, a distributing mechanism and a driving shaft therefor, the combination of a three part housing comprising a supporting member housing the driving shaft and having a bearing therefor, a cup housing the interrupter and being removably supported in said member, and a distributor cap housing the distributing mechanism and being detachably fastened to said member, said cup having an upstanding peripheral flange coacting with said member to center said cup around the shaft, and having means coacting with a continuous shelf in said member to locate said cup axially of the shaft.

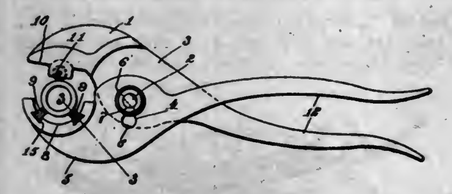
1,482,205. FOOT CAP FOR FURNITURE LEGS. CLEMENT R. UHL, Toledo, Ohio, assignor to The Toledo Metal Furniture Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 30, 1923. Serial No. 635,430. 4 Claims. (Cl. 45—137.)

4. A metal furniture leg rectangular in cross section and having a slot extending inward from its outer end at a corner thereof, means within the outer end portion of the leg forming a nut, a strip of metal fashioned to conform to the cross sectional shape of the leg and adapted to telescopically fit thereover and having its meeting edges



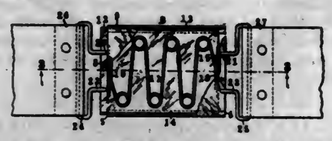
inwardly flanged and adapted to fit into the leg slot, a cap fitted over the outer end portions of the sleeve and leg, and means threading into said nut and detachably holding the cap and sleeve to the leg.

1,482,206. GLASS-TUBE CUTTER. LEROY L. TULEY, Wood River, Ill. Filed Feb. 20, 1923. Serial No. 620,154. 1 Claim. (Cl. 49—52.)



A glass tube cutter consisting of a pair of jaw members, means adjustably and pivotally connecting the jaw members, a glass cutter on one said jaw member and spaced, yielding abutments on the other jaw member.

1,482,207. SPRING-LINK BELT. GABRIEL ABRAHAM, New York, N. Y. Filed Feb. 11, 1921, Serial No. 444,088. Renewed Dec. 13, 1923. 1 Claim. (Cl. 267—69.)

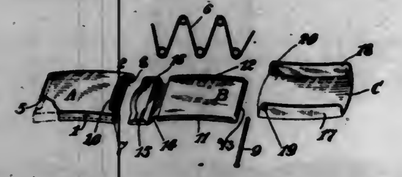


A resilient relief link for belts comprising an elongated plate having edge flanges spaced apart from and parallel with said plate and on one end a spring-retaining lip; a slide plate sliding within said flanges and having an end spring-retaining lip; a compression spring reacting against said spring-retaining lips and located between said plates; and one of said plates being provided with a perforation in its end at a shorter distance from its said spring-retaining lip than the distance from the spring-retaining lip of the other said plate to its end and a belt connection passing through said perforation and serving as a stop to lock the parts together.

1,482,208. SPRING BUCKLE. GABRIEL ABRAHAM, New York, N. Y. Filed Feb. 26, 1923. Serial No. 621,176. 3 Claims. (Cl. 24—191.)

1. In a spring buckle in combination, a base having parallel lips provided with flanges along its longitudinal edges and having one end provided with an interior spring-buttress and the opposite end extending outwardly and back overlying the body of said base to form a strap-grip, transversely aligned perforations being formed in the ends of such lips at the ends adjacent said strap-grip;

a slide having a spring-abutment at its far end and a strap attaching means at its near end and adapted to work within said base under said flanges; a compression-spring lying between said slide and said base and reacting against said abutment; a cam-like face-plate adapted to overlie said base and operate to grip a strap against



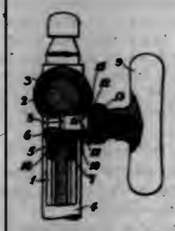
said strap-grip having edge positioned right-angle extensions provided at the end near said grip with aligned holes; and a thorough-pin passing through said holes and perforations to swivel said face-plate and form an end-closure for said otherwise open ended base and by means of which the entire structure is assembled.

1,482,209. AUTOMATIC GRIP-RELIEF BUCKLE. GABRIEL ABRAHAM, New York, N. Y. Filed July 18, 1923. Serial No. 652,230. 7 Claims. (Cl. 24—191.)



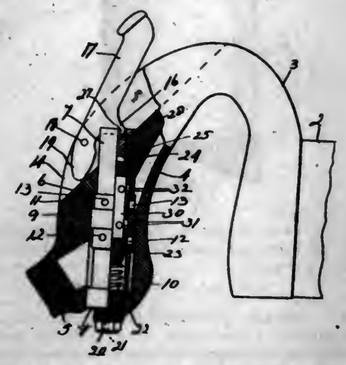
1. An automatic gripping buckle comprising a casing, providing a strap passage-way having a re-acting wall; a rocking gripping cam pivoted to said casing automatically to grip the strap and force it against said reacting wall; an operating lever secured to said cam and a tension link free from conection with said casing and working freely in said passageway; pivoted at one end to said operating lever and being provided at the other end with a strap eye, a pull on said link clamping said cam towards said reacting wall and a push on said link tending to release said cam.

1,482,210. ADJUSTABLE HINGE OR JOINT FOR WIND-SCREENS OF MOTOR CARS AND THE LIKE. ARTHUR COLLINS AUSTER, Birmingham, England, assignor to Auster Limited, Birmingham, England. Filed Mar. 29, 1922. Serial No. 547,672. 1 Claim. (Cl. 296—92.)



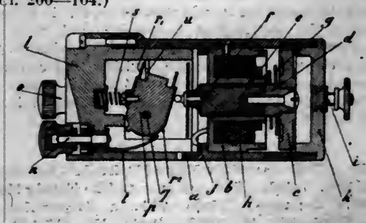
An adjustable hinge for wind-screens of motor-cars comprising a fixed inner member, a split outer tube rotatable about the fixed inner member, lugs upon opposite sides of the slit in the outer tube, a screw-pin carried by one of the lugs and passing through a plain hole in the other lug, a rotatable screw clamping device on the screw pin said screw clamping device being recessed in the end opposed to the lug with the plain hole, a ball race member located within the recess so that the walls of the latter extend beyond the said race member, and a collar fixed upon the lug with the plain hole and having recesses in its face, and anti-friction balls located and retained in said recesses and engaged by the ball race member within the recess in the clamping member.

1,482,211. HOLLOW THROTTLE VALVE. SAMUEL BAILIB, Camden, N. J. Filed Nov. 12, 1921. Serial No. 514,636. 7 Claims. (Cl. 251—78.)



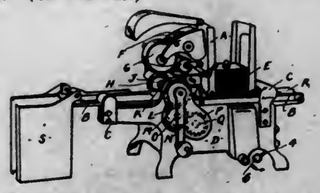
7. In a device of the character stated, a valve casing adapted to be disposed in a bore across a pressure fluid passageway and having means to divide the bore in which said casing is adapted to be disposed into two compartments, said casing having inlet ports to one side of said means and also having outlet ports to the other side of said means, a throttle valve having a fluid chamber and provided with separated inlet and outlet ports so positioned as to register with the inlet and outlet ports of the casing when said valve is in an open position, all of said ports being in covered relation when the valve is in a closed position, resilient means to normally hold said valve in its closed position, a trigger having a heel for moving said valve toward its open position, and adjustable means carried by the valve to take up the wear between itself and the heel of the trigger and to regulate the lap of the ports, said means, one end of the valve and the valve casing being slotted to register with a portion of the trigger to align the valve ports with the casing ports and prevent rotation of said valve.

1,482,212. ELECTROMAGNETIC IGNITION SWITCH FOR INTERNAL-COMBUSTION ENGINES. MARIUS JEAN BAPTISTE BARBAROU, Neuilly-sur-Seine, France. Filed Aug. 20, 1920. Serial No. 404,856. 1 Claim. (Cl. 200—104.)



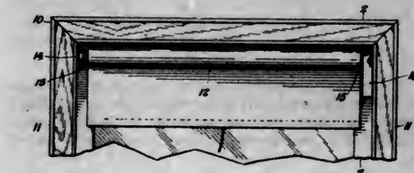
An ignition electromagnetic switch comprising a casing, an energising coil therein, a spring controlled core slidable axially through said coil and provided at one end with an insulating member, a rocker adapted to be operated by said insulating member, said rocker having a rounded end, parallel contact blades separate from each other on said rocker, one of said blades extending over said rounded end, a fixed contact member with which said contact blades are adapted to alternately contact, a returning coiled spring adapted to convey an electric current to one contact blade, and a spring blade in constant contact with the rounded part of the other contact blade and adapted to convey an electric current to the same.

1,482,213. ADDRESSING MACHINE OR LIKE PRINTING MACHINE. LOUIS MAURICE BARMAN, London, England. Filed Aug. 21, 1922. Serial No. 583,422. 6 Claims. (Cl. 101—49.)



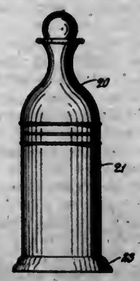
1. In addressing or like printing machines the use and employment of mechanism whereby at the will of the operator the mechanism operates to remove the pile of stencils from the path of the reciprocating pusher member.

1,482,214. LOCK DEVICE FOR SHADE ROLLERS. EDWARD J. BARRETT, New York, N. Y. Filed Nov. 23, 1920. Serial No. 425,976. Renewed July 2, 1923. 6 Claims. (Cl. 156—29.)



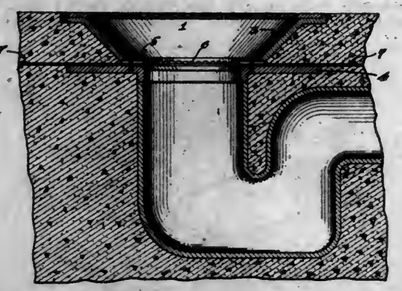
4. A lock device for the shank of shade rollers comprising a casing open at the top and bottom and provided with an aperture through which the shank of a shade roller is adapted to pass, a sheet metal plate mounted in connection with said casing and provided with an integral spring member located within said casing and extending through the lower end thereof to form a finger piece, a lock plate adapted to be mounted upon the shank of a shade roller and detachably mounted in said casing and in connection with which said spring member operates for holding said lock plate against accidental displacement in said casing, and means for guiding the movement of the lock plate in said casing.

1,482,215. COMBINATION THERMO BOTTLE. LOUIS BONDIETTI, New York, N. Y. Filed Oct. 26, 1922. Serial No. 597,036. 3 Claims. (Cl. 215—1.)



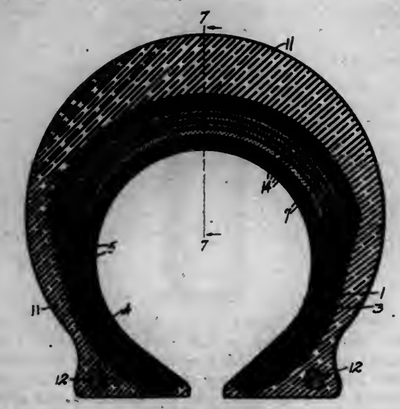
1. In a bottle, a removable base adapted to form a funnel for engagement with the mouth of the bottle.

1,482,216. SEEPAGE JOINT. EDWARD W. N. BOOSEY, Detroit, Mich. Filed Apr. 6, 1920. Serial No. 371,618. 6 Claims. (Cl. 285—37.)



1. In plumbing, a seepage joint between attached parts of plumbing elements comprising a flanged portion on the upper of said element adapted to be attached to another element, an apron or plate provided between the said elements and extending outwardly therefrom, the flange of the upper element being roughened or corrugatd on the lower face substantially as and for the purpose described.

1,482,217. TIRE STRUCTURE. AMEL B. BROLUSKA, Detroit, Mich. Filed Apr. 7, 1923. Serial No. 630,495. 7 Claims. (Cl. 152—18.)

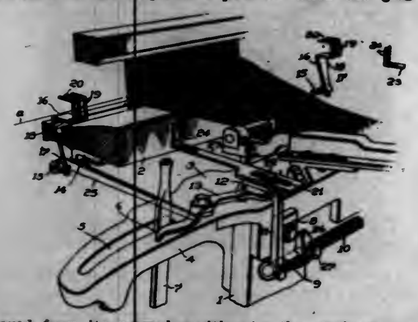


3. A tire structure comprising a series of cord or fabric strips extending diagonally across the tread of the tire and separately embedded in rubber, a second series of cord or fabric strips separately embedded in rubber and covering the joints between the strips of the first series, a third series of cord or fabric strips separately embedded in rubber and extending diagonally across the tread of the tire at an angle to the first and second series, a fourth series of cord or fabric strips separately embedded in rubber covering the joints between the strips of third series, a series of flexible puncture proof strips of a vulcanizable composition separately embedded in rubber and extending diagonally across the tread of the tire, a second series of flexible puncture proof strips covering the joints between the puncture proof strips of the first series and a rubber tread for the tire, the tire being vulcanized to allow yieldable movement of the strips in relation to each other.

1,482,218. FILLING-DETECTING MECHANISM. JOHN C. BROOKS, Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 20, 1922. Serial No. 595,723. 6 Claims. (Cl. 139—372.)

1. In a loom, the combination of the lay, a non-tilting weft fork extending rearwardly towards the lay, a mov-

able grid on the lay cooperating with the non-tilting weft fork for detecting the presence or absence of the weft or filling on a beat-up movement of the lay, an arm extending frontwardly from the grid and movable thereby from an operative to an inoperative position when the grid is



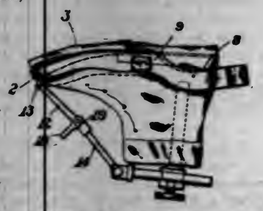
moved from its normal position by the stationary weft fork, a bunter adapted to be engaged by said arm when the arm fails to be moved to inoperative position as the lay beats up, and means for changing the operative condition of the loom when bunter is engaged by the arm on a detecting beat of the lay.

1,482,219. CONTAINER. LEWIS C. BROOKS, Milwaukee, Wis., assignor to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 25, 1921. Serial No. 517,506. 7 Claims. (Cl. 229—46.)



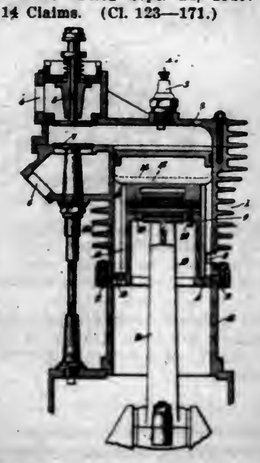
1. A container having a mouth, a closure for the mouth, string-retaining means for the exterior of the container, and a string for removably holding the closure in place passing over the top of the closure and engaging the string-retaining means on the container, said string being entirely exterior of the closure and container, substantially as described.

1,482,220. METHOD OF MAKING SHOES. ELI BROTHERS, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Sept. 14, 1912, Serial No. 720,380. Divided and this application filed May 27, 1916, Serial No. 100,366. Renewed Apr. 18, 1923. 15 Claims. (Cl. 12—145.)



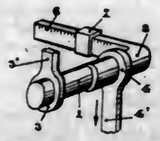
1. That improvement in methods of making shoes which consists in assembling an upper on a last; inserting the shoe within a portable lasting device which is constructed and arranged to embrace the forepart of the shoe and to adapt itself to and contact with substantially the entire periphery of the fore part; relatively turning the lasting device and the shoe to wipe the upper over the side and end faces of the forepart of the last to the edge of the last bottom; and subjecting the shoe, with the portable lasting device holding the upper in lasted position, to an upper and sole connecting operation.

1,482,221. EXPLOSION ENGINE. JOSEPH L. CATO, Elmhurst, N. Y. Filed Sept. 24, 1919. Serial No. 326,191. 14 Claims. (Cl. 123—171.)



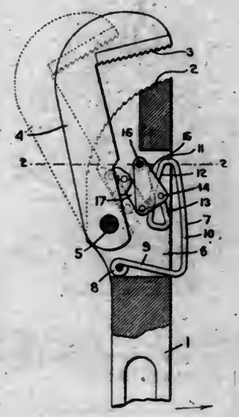
1. An internal combustion engine having in a cylinder means for providing therein a current of air, comprising a stationary partition cooperating with an engine piston and fitting in a passageway located at one side of the piston.

1,482,222. WEIGHING AND MEASURING APPARATUS. LOUIS DOMINIQUE JOSEPH ARMAND DUNOYER, Neuilly-sur-Seine, France, assignor to Société Anonyme des Forges et Ateliers de la Fournaise, St.-Denis, Seine, France. Filed Sept. 2, 1921. Serial No. 498,066. 3 Claims. (Cl. 285—49.)



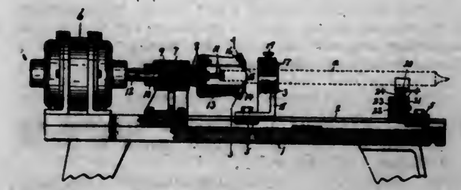
1. An apparatus of the type adapted to be attached to a lifting device for measuring the value of weight or an effort, comprising a shaft having a pair of integral portions, whose axes are eccentrically arranged with respect to each other, a collar mounted on one of said shaft portions having an arm rigidly attached thereto and provided with means for suspending said apparatus from a lifting device, a second collar mounted on the other of said shaft portions having an arm rigidly attached thereto and provided with means for suspending a weight therefrom, a balance lever secured to said shaft, said arms, lever and the eccentricity of said shaft portions being constructed and arranged to cause said lever to normally assume a horizontal position when no load is placed upon the apparatus and to cause said lever to be rotated in an upward direction from said horizontal position proportionately to the load placed upon said apparatus, a cursor slidably mounted on said lever and means to cause said cursor to be automatically moved along said lever to return.

1,482,223. PIPE WRENCH. WILLIAM A. ELLISON, Salem, Mass., assignor to David F. Murphy, Salem, Mass. Filed Nov. 9, 1922. Serial No. 599,819. 2 Claims. (Cl. 81—99.)



1. In a pipe wrench, the combination with a handle member having a fixed jaw at one end, of a movable jaw pivoted to the handle member, a link pivoted to the movable jaw between its pivotal point and the jaw portion thereof, a pivotally mounted radius member connected to the link, and a spring acting on the radius member and tending through the latter and link to swing the pivoted jaw toward the fixed jaw.

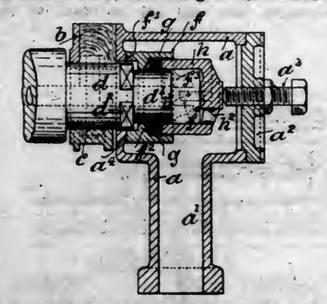
1,482,224. CANDLE LATHE. EVALD JULIUS ENGMAN, Syracuse, N. Y., assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Filed July 26, 1922. Serial No. 577,742. 1 Claim. (Cl. 142—1.)



A candle lathe comprising a supporting bed having lengthwise guides on one end, a motor mounted on the other end of the bed with its shaft extending lengthwise of the guides, a journal bearing mounted on the bed between the guides and motor, a tubular shaft journaled in said bearing coaxial with and having one end secured to the motor shaft, a cutter secured to the other end of the tubular shaft to rotate therewith, a stop adjustable coaxially of and within the tubular shaft, separate brackets adjustable lengthwise of and upon the bed guides toward and from the cutter, a tubular candle guide in one of the brackets coaxial with the tubular shaft, and a candle rest mounted in the other bracket and adjustable radially of the produced axis of the tubular shaft.

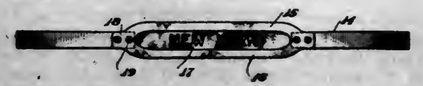
1,482,225. DOLL-HEAD BEARING AND PACKING DEVICE FOR DRYING CYLINDERS. WILLIAM PARSONAGE EVANS, Manchester, England. Filed Mar. 7, 1923. Serial No. 623,859. 7 Claims. (Cl. 285—10.)

1. A doll-head bearing for drying cylinders, comprising a stand, a cylinder, a prepared neck on the cylinder, a gland element fitting the prepared neck on the cylinder, and driven therefrom, a second gland element driven from



the other gland element, packing material acted upon by the gland elements, and adjusting means acting upon a gland element to compress the packing.

1,482,226. BUMPER FOR AUTOMOBILES. ROLLIE B. FAGEOL, Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,073 2 Claims. (Cl. 293—55.)



1. A bumper for automobiles comprising a pair of flat resilient loop end horns having forward portions terminating in the same horizontal plane, the ends of said portions being spaced apart a distance substantially equal to a car frame upon which the bumper is mounted, and an increased impact area plate interposed between and connecting the forward terminating ends of said horns, said plate being pressed from a single piece of metal to form a substantially elliptical frame of channel section, the inner edges of said frame sections being integrally united by a web.

1,482,227. HEAT-TRANSFERRING APPARATUS AND METHOD. CROSBY FIELD, Yonkers, N. Y. Filed May 16, 1921. Serial No. 469,799. 7 Claims. (Cl. 62—172.)

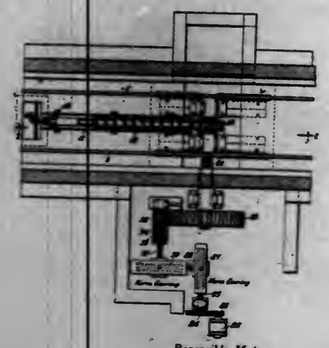


6. The method of recovering solids from fluids by heat transference which consists in contacting a heat conducting medium with one side of a flexible heat transferring wall and contacting the fluid to be treated against the opposite side of said wall whereby the fluid is solidified in the form of a film upon the surface of the wall by heat transference, and creating differences in pressure of the fluid being treated and of the heat conducting fluid to thereby cause a flexure of said wall and effect a separation of the film of solid therefrom.

1,482,228. CAR-PUSHING APPARATUS FOR TUNNEL KILNS. WILLIAM LEE HANLEY, Jr., Bradford, Pa. Filed Apr. 17, 1923. Serial No. 632,763. 15 Claims. (Cl. 104—172.)

1. In a car pushing apparatus for tunnel kilns, the combination of a horizontally disposed sprocket chain, means for moving said chain longitudinally in both

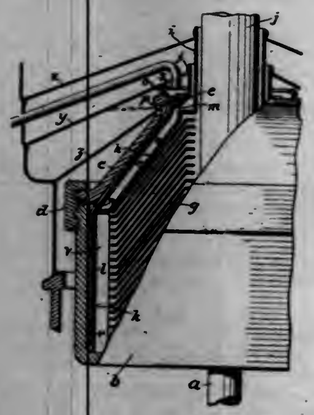
directions, a pushing member having a pivotal connection with said chain, and having a car engaging part movable vertically into and out of operative relation



Reversible Motor

with a car to be pushed, and means for engaging the movable pushing member for elevating said car engaging part into and holding it in operative position.

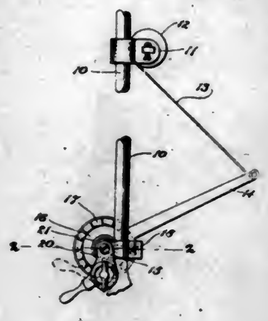
1,482,229. MACHINE FOR SEPARATING SOLIDS FROM LIQUIDS. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 25, 1922. Serial No. 546,810. 13 Claims. (Cl. 233—11.)



3. The combination with a centrifugal bowl comprising a shell and a removable top, of a heat radiator extending around the inside of the bowl and removable, with the top, from the bowl.

1,482,230. ADJUSTABLE SUNSHADE AND STORM CURTAIN FOR WINDSHIELDS. GEORGE HARROLD, Los Angeles, Calif. Filed Nov. 18, 1921. Serial No. 516,081. 2 Claims. (Cl. 296—95.)

1. The combination with a windshield frame, of brackets adjustably arranged upon the side members of said frame, a shaft journaled in said brackets, curtain supporting arm carried by said shaft, a toothed disk carried by one of said arms, ratchet teeth formed on said disk, a spring-pressed pin arranged for operation in one of said brackets and adapted to engage said ratchet teeth for retaining the rod and the curtain supporting arms



in adjusted positions, a cam adapted to be rotated to move said pin, and means for positively locking the other bracket to the windshield frame.

1,482,231. APPARATUS AND METHOD OF TESTING SILK THREADS. ALBERT AUGUST HASLER, Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 19, 1922. Serial No. 530,266. 18 Claims. (Cl. 70—51.)



1. The method of testing a silk thread which consists in placing the thread under a predetermined tension and subjecting opposite sides of the thread while under tension to a reciprocating scraping action.

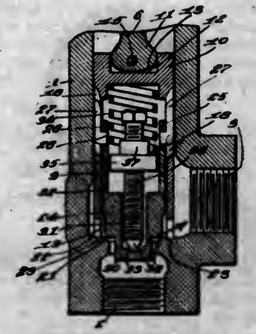
1,482,232. GAME BALL. ROBERT H. HAZELTINE, New York, N. Y. Filed Feb. 6, 1920. Serial No. 356,582. 6 Claims. (Cl. 46—4.)



1. A golf ball comprising a resilient core, an outer shell, and a plurality of independent spaced members differing in resiliency from the material of the shell and penetrating said shell.

1,482,233. COMBINED SAFETY AND SHUT-OFF VALVE. EDWIN P. HEWITT, Spokane, Wash.; Nellie Hewitt administratrix of said Edwin P. Hewitt, deceased. Filed Mar. 31, 1921. Serial No. 457,326. 24 Claims. (Cl. 251—3.)

3. In a combined safety and shut-off valve, a valve body having a valve seat and an area surrounding said seat, a sleeve for engagement with said area and having an opening for escape of pressure fluid through said sleeve, a valve closure in said sleeve, a spring acting to project said closure beyond the edge of said sleeve when



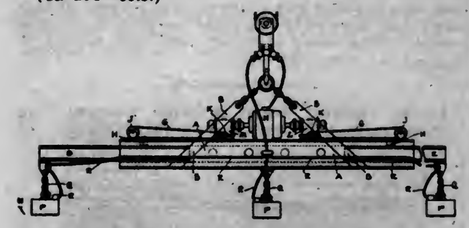
the sleeve is spaced from said area, means for limiting projection of said closure, and means for seating said closure and sleeve consecutively.

1,482,234. STARTING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. FRITZ HÜTTNER, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 13, 1922. Serial No. 560,830. 6 Claims. (Cl. 60—16.)



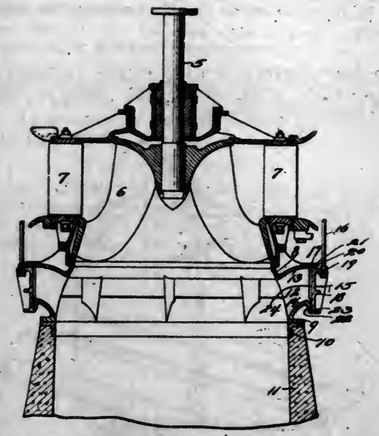
1. The combination with an internal combustion engine in which compressed air is used for starting, of a receiver for scavenging air connected with the cylinder, whereby the starting air can expand into said receiver, and means for shutting off the exhaust pipe during the starting period.

1,482,235. ELECTROMAGNETIC APPLIANCE FOR HANDLING PLATES, RAILS, BARS, AND THE LIKE. JOSEPH JEFFREY INGLIS, Motherwell, Scotland. Filed May 17, 1921. Serial No. 470,463. 2 Claims. (Cl. 294—65.5.)



1. An electromagnetic appliance for handling plates, rails, bars and the like, comprising a rigid central housing, laterally extensible beams telescopically carried in said housing, means for extending and retracting said beams with respect to the housing, and electromagnetic lifting devices suspended from the housing and from the extensible beams, substantially as described.

1,482,236. HYDRAULIC TURBINE. GEORGE A. JESSOP, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1922. Serial No. 604,068. 16 Claims. (Cl. 253—17.)



1. A hydraulic turbine having a runner, controllable means for admitting water to the runner, a draft tube into which the runner discharges, an inlet organization having upper and lower walls associated with the draft tube below the runner and turbine structure for admitting auxiliary water into and increasing the suction on the draft tube and the head on the runner, the inner termination of the inlet sloping outwardly and downwardly to the upper extremity of the draft tube without projecting into the latter, and vertically movable means applied to the outer open portion of said inlet organization and adapted to engage and be limited in movement by contact with the outer terminals of the inlet walls and operable to control the entrance of water into the inlet organization and the draft tube, the one inlet organization wall having an outer flaring terminal and the inner termination of the inlet organization being always open to the draft tube.

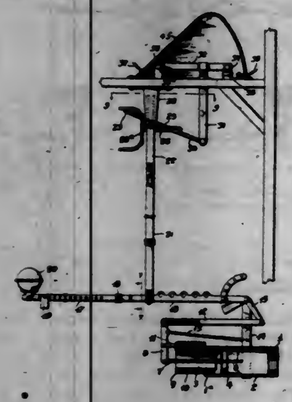
1,482,237. COMBINED TIRE TEST GAUGE AND VALVE. WILMAR F. LENT, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 7, 1922. Serial No. 605,426. 6 Claims. (Cl. 152—11.5.)



1. In a device of the class described, the combination of a cylindrical member for attachment to a tire valve nipple, a second cylindrical member telescopically engag-

ing the first-named member and provided with a vave, a pressure gauge carried by said second-named member, the parts being so arranged that the second member may be moved over the first member for unseating the usual tire valve and opening the valve of the first-named member to place the gauge in air communication with the tire.

1,482,238. AUTOMATIC MINE PUMP. CHESTER LEWIS, Hazard, Ky. Filed Dec. 30, 1922. Serial No. 609,974. 6 Claims. (Cl. 103—12.)



1. In a mine pumping device in combination a suction pipe having communication with a water hole, a check valve located within said pipe, a pump also communicating with said pipe and adapted to initiate the flow of water therein and common means operated in accordance with the amount of water in the hole for regulating the operation of the pump and said suction valve.

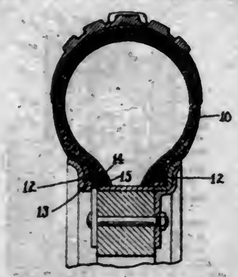
1,482,239. WHEEL. JOSEPH LEY, Portland, Oreg. Filed Mar. 23, 1923. Serial No. 626,999. 3 Claims. (Cl. 301—63).



3. A vehicle wheel provided with a hub provided with a flange and a removable collar, three discs confined on said hub between said flange and said collar, a filler ring interposed between two of said discs, said wheel being also provided with a felloe to which two of said discs are attached, the third disc having its periphery attached to one of the other discs.

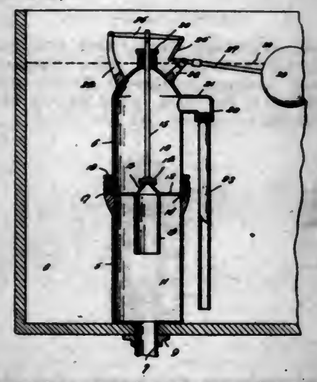
1,482,240. TIRE BEAD. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 21, 1920. Serial No. 360,312. 1 Claim. (Cl. 152—13.)

A tire casing having in each of the base edges thereof a triangular bead member consisting of an inextensible anchoring means located closely adjacent to the bottom and outer corner of the triangular member, a slightly extensible anchoring means located closely adjacent to the bottom of the triangular member and extending from said first anchoring means to the inner corner of the triangular member, and a flexible filler means extending from the top of said anchoring means to the top corner of the triangular member, said casing having inner plies of fabric



anchored principally by the inner corners and outer plies anchored principally by the outer corners of said triangular members.

1,482,241. FLOAT VALVE. CHARLES MEIGHAN, Tarboro, N. C. Filed Dec. 7, 1923. Serial No. 679,149. 2 Claims. (Cl. 137—104.)



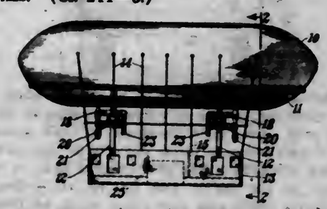
2. A float valve comprising a lower casing enlarged at its upper end to provide an internal annular shoulder, a disc resting upon said shoulder and provided with a central fork surrounded by a valve seat member, an upper casing section having an outwardly directed flange upon its lower end resting upon the margin of the disc, a gland threaded into the enlarged upper end of the lower casing section and clamping the lower end of the upper casing section, and a disc upon the shoulder of the lower casing section, said disc having a rigid central tube co-axial with the valve seat member of the disc and projecting downwardly into the lower casing section, the upper casing section being provided with a lateral outlet between its ends, and a float operated valve member operating in the upper section of the casing above the valve seat member for opening and closing the latter.

1,482,242. COMB. SAMUEL MICHAUD, Roseburg, Oreg. Filed Feb. 16, 1923. Serial No. 619,473. 3 Claims. (Cl. 132—16.)



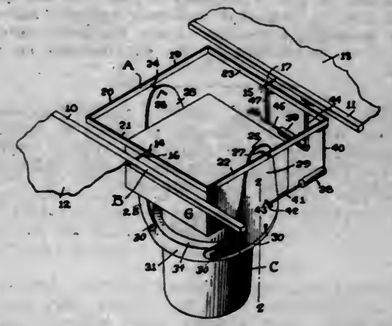
1. A comb comprising a holder having a pair of spaced parallel side strips and transverse strips connecting the side strips together at their upper edges and at the opposite ends thereof, a pair of end teeth having head portions received between said side strips at opposite ends of the holder with the upper ends of said end teeth engaging the under sides of said transverse strips, a plurality of intermediate teeth having head portions received between said side strips and arranged in series between said end teeth, a cover clampingly receiving said holder, and ends integral with the side strips and in frictional contact with the remote walls of the heads of said end teeth.

1,482,243. FLYING MACHINE. JAIME MONTELLS, New York, N. Y. Filed Oct. 18, 1922. Serial No. 595,272. 5 Claims. (Cl. 244—6.)



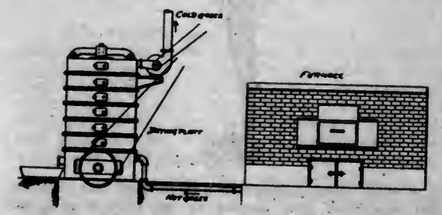
1. In a flying machine, a gas bag, a cabin suspended therefrom, lifting and driving propellers, turbine wheels fixed to the various propellers, means for directing a fluid under pressure on the turbine wheels, and a valve for controlling the said fluid and adapted to inversely vary the supply of fluid to the two sets of propellers.

1,482,244. AIRPLANE-CAMERA SUSPENSION. EDMUND R. MORTON, New York, N. Y. Filed Dec. 4, 1920, Serial No. 428,396. Renewed June 26, 1923. 17 Claims. (Cl. 95—125.)



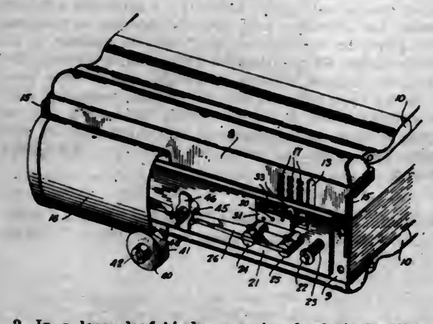
12. In a camera mounting, pendular supporting means providing resilient support for the camera.

1,482,245. METHOD OF PANIFICATION. LUIGI NEGRO, Bucharest, Rumania. Filed Dec. 11, 1920. Serial No. 430,008. 1 Claim. (Cl. 99—10.)



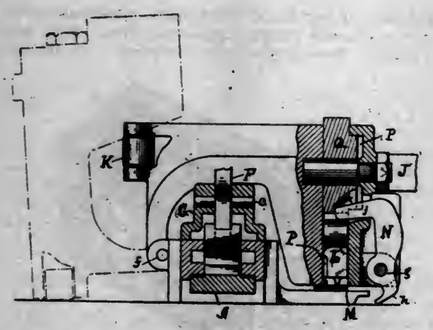
A method of panification in which the whole wheat is directly used which consists in subjecting the wheat grains after they have been washed and cleaned in the usual manner to a gradual drying until nearly all the water content has been expelled, then exposing the grains for about 30 minutes to a temperature of 100° C. (212° F.) while at the same time subjecting the grains to a ventilating current of heated air, while regulating the temperature of the air to avoid jumps of temperature, and to secure a progressive uniform increment of the temperature and thereby eliminate the diastases while keeping intact the good qualities of the mineral substances and of the gluten contained in the grains; then subjecting the wheat to a maceration in water to soften the grains; and finally subjecting the wheat to a cutting and kneading process after which the treatment is the same as that used when employing white flours.

1,482,246. LOOSE-LEAF BINDER. WILLIAM E. NIME and MAX RUMPF, Chicago, Ill., assignors to Edward W. Hill, Chicago, Ill. Filed Dec. 1, 1921. Serial No. 519,078. 9 Claims. (Cl. 129—8.)



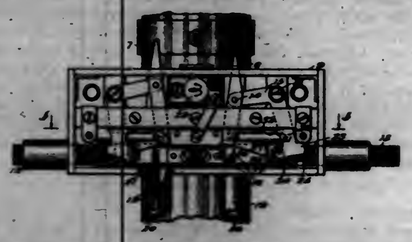
2. In a loose leaf binder, a pair of relatively slidable back plates, means for guiding said plates in relation to each other, locking lugs carried by one of said plates, the other of said plates having coacting locking recesses, coil springs mounted above and coacting with said locking lugs for urging the latter in one direction, and means for moving said locking lugs to cause the latter to be disengaged from the coacting locking recesses.

1,482,247. COMBINATION STRETCHING AND SEALING MACHINE. BENONI NOWLAND, Englewood, N. J., assignor to Twisted Wire and Steel Company, New York, N. Y. Filed Dec. 1, 1921. Serial No. 519,272. 1 Claim. (Cl. 100—15.)



A combination stretching and sealing machine which comprises a base plate having a toothed rack mounted thereon, and provided with suitable gripping devices;—means whereby said rack is operated to alter the distance between said gripping devices as desired,—and a sealing tool remaining normally out of action but adapted to be revolubly swung into position to perform the desired sealing operation.

1,482,248. SWITCH FOR AUTO TURNING SIGNALS. ARTHUR F. OCHTMAN, Coscob, Conn. Filed Mar. 11, 1922. Serial No. 542,867. 2 Claims. (Cl. 200—59.)



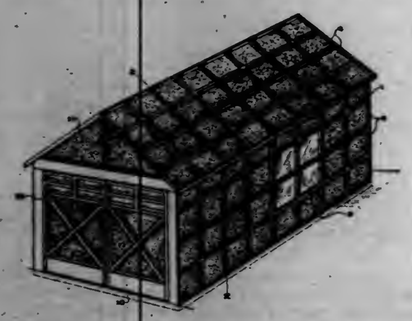
1. A switch mechanism for signal devices for automobiles comprising a pair of contact plates, a movable member for causing said plates to engage, a manually actuated member for actuating said movable member, a resetting lever pivotally mounted on said movable member, a retractile spring for resiliently holding said re-setting lever in a given position, a catch for locking the movable member in its operated position, and means connected with the steering wheel of the automobile for moving said resetting lever so as to disconnect said catch whereby said spring will cause the parts to move to a disengaged position.

1,482,249. KEY. ANTONIO PAGLIUCO, Natick, Mass. Filed Feb. 21, 1923. Serial No. 620,380. 3 Claims. (Cl. 70—9.)



2. A key of the class described comprising a shank having a transverse opening, a bit pivoted within the opening, a slide connected with the bit, a stem projecting from the slide provided with a finger piece spaced from the outer surface of the shank, and a guard sleeve embracing the shank and normally covering the bit receiving opening, said guard sleeve having a longitudinally extending slot provided with a flaring end for the reception of the stem of the finger piece as the guard is retracted.

1,482,250. PORTABLE-BUILDING CONSTRUCTION. DANIEL ERNEST PARSONS, Knoxville, Tenn. Filed Sept. 15, 1922. Serial No. 588,300. 3 Claims. (Cl. 189—2.)



1. A portable building comprising walls and a roof, each wall and the roof embracing a plurality of sections placed edge to edge and clamped together in said relations and each embodying a frame, cross pieces within the frame intersecting each other at right angles at the center of the frame and having their ends opposed and secured to the respective bars of said frame, a plate on the inner side of the frame, and a weather proofing composition in the spaces defined by said cross pieces and bars on the outer side of the frame.

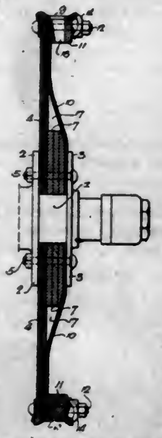
1,482,251. JUICE PRESS. WLADYSLAW PEKALA, Verona, N. Y. Filed Mar. 15, 1923. Serial No. 625,259. 4 Claims. (Cl. 100—44.)



1. A press comprising a base, a presser plate having slots in each end, a pair of screws adapted to be swung into the said slots, nuts threaded on said screws, one of said screws being pivoted directly to the said base, and a link pivoted at one end to said base on an axis transverse to the latter and having the other screw pivoted to its other end said plate being adapted to be clamped at certain times to the said screw to swing on the said link.

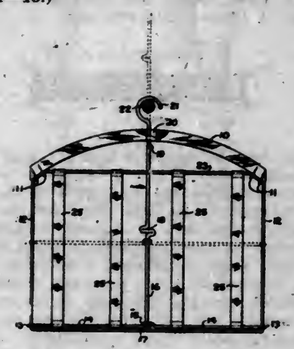
4. A press comprising a base, a presser plate having slots in each end, a pair of screws adapted to be swung into the said slots, nuts threaded on said screws, one of said screws being pivoted directly to the said base, and a link pivoted at one end to said base on an axis transverse to the latter and having the other screw pivoted to its other end, and means for locking said screw in two vertical varied positions, said means comprising a screw passed through the base and adapted to pass either through an opening in said link or behind the latter, the slot in the plate in which the last mentioned screw is adapted to pass being undercut, and the screw presenting a shoulder against which the plate is adapted to be clamped by the nut threaded on the screw.

1,482,252. WOOD DISK WHEEL. JOSEPH PELLKOFER, Clifton Heights, Pa., assignor to George W. Smith & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1922. Serial No. 553,362. 4 Claims. (Cl. 301—63.)



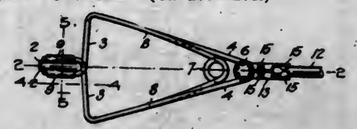
3. A disk wheel comprising a laminated hub element, a flat laminated disk secured to one face of said hub element and extending beyond the periphery of the latter, a laminated curved disk secured to the other face of said hub element and to the face of said flat disk, and a circular band secured at the peripheral edge of the curved disk and constituting the felly band of the wheel.

1,482,253. GARMENT SUPPORTING AND DISPLAYING DEVICE. CLARENCE D. PERRINE, Cleveland, Ohio. Filed Apr. 12, 1918. Serial No. 228,101. 6 Claims. (Cl. 211—13.)



1. In a garment-supporting device, in combination, a plurality of relatively movable supporting members mounted to form a collapsible supporting frame for the upper portion of a garment, and a device by which said frame is suspended adapted to turn relatively thereto and lock said members in position by its turning movement.

1,482,254. ELECTRICAL CONNECTER. FREDERICK D. PILLE, Denver, Colo. Filed Apr. 5, 1919. Serial No. 287,863. 6 Claims. (Cl. 173—273.)



3. An electrical connecter composed of a continuous piece of doubled wire the middle portion of which is looped to provide a spring and which is bent to form convergent legs at opposite sides of the loop, members extending along said legs and joined at one of their ends, jaws composed of the portions of the wire between said legs and said members, a bolt connecting the joined ends of the legs, and a fastening for a conductor of electricity connected to the bolt.

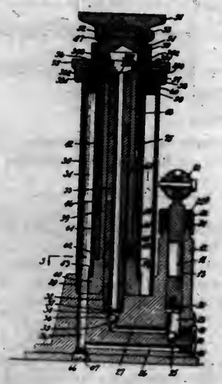
1,482,255. SPINNING RING. EDWARD W. POWERS, Boston, Mass., assignor, by mesne assignments, to Benjamin Farnham Smith, Concord, Mass. Filed June 3, 1921, Serial No. 474,619. Renewed July 14, 1923. 11 Claims. (Cl. 118—59.)



1. In a spinning ring, the combination with a base member adapted to be attached to the ring rail of a spinning frame, of an upper member having its lower edge telescoped over and frictionally engaging a portion of the base member, a self-lubricating lining member confined between the base member and the upper member and provided with a traveller-receiving recess and an annular traveller situated in said recess.

1,482,256. TELESCOPIC HYDRAULIC JACK. GUSTAV PRALL, New York, N. Y. Filed Dec. 29, 1922. Serial No. 609,559. 6 Claims. (Cl. 138—9.)

1. A portable hydraulic jack comprising a base, an outer jacket and an inner guide tube concentrically mounted upon said base and spaced to provide a fluid reservoir, a plunger slidably mounted upon said guide tube and surrounded by said outer jack, said plunger comprising an upper element and a lower element consisting of a pair of interconnected cylindrical hollow members arranged in spaced concentric parallel alignment, said upper element consisting of a hollow cylindrical member, slidably and telescopically mounted in the space between the members of said lower element, and provided at its outer end with a pressure head and means to force the fluid from said reservoir against said pressure head.



1,482,257. SASH RAISING AND FASTENING MECHANISM. ARTHUR DANIEL RAWLINGS and ERNEST JOHN RAWLINGS, London, England. Filed May 19, 1922. Serial No. 562,073. 6 Claims. (Cl. 292—194.)

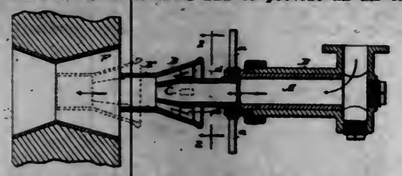


1. In a device of the class described in combination a sash, an automatic raising mechanism therefor, and locking devices for said sash comprising sash engaging means and manually operable multiple ratio devices for operating the same to engage or disengage the sash.

1,482,258. GAS BURNER. RAYMOND S. REED, Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Apr. 1, 1922. Serial No. 548,567. 1 Claim. (Cl. 158—99.)

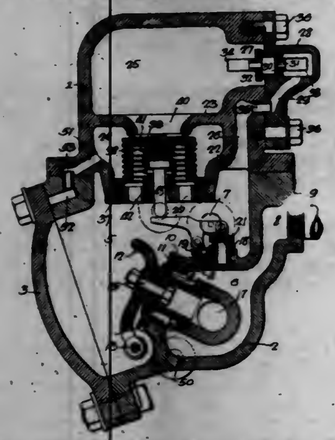
A gas burner comprising in combination a slidably mounted delivery gas pipe having a tapered gas outlet, a tapered hood carried by the gas pipe and surrounding said outlet and provided with rearwardly opening air inlets, whereby air is drawn in and mixed with the gas at the gas outlet, a mixing chamber of uniform cross sectional area carried by the hood and located in front

of the gas outlet, and a burner port having a portion thereof adapted to receive the mixing chamber when the same is moved forward and to provide an air inlet



thereby and formed with a decreasing cross sectional area to the point of furthest advancement of the mixing chamber.

1,482,259. ACCELERATOR FOR DRY-PIPE VALVES. ARTHUR C. ROWLEY, Philadelphia, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,899. 12 Claims. (Cl. 169—20.)



1. The combination in an accelerator for a dry pipe valve of a casing having two chambers respectively for connection with the air containing portion of a fire extinguishing system and with the intermediate chamber of a dry pipe valve; main and relay valves normally cutting off communication between said chambers; and a pressure controlled diaphragm connected to cause opening of the relay valve when the pressure is suddenly reduced in said fire extinguishing system.

1,482,260. AUTOMATIC SPRINKLER. ARTHUR C. ROWLEY, Philadelphia, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,901. 11 Claims. (Cl. 169—39.)



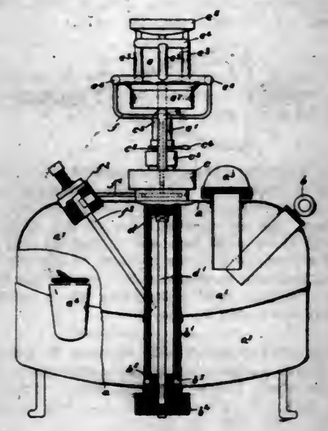
1. A fusible link comprising two plates; a key extending through said plates; a controlling element mounted between the plates to normally prevent movement of the key; and fusible material binding together said plates, key, and controlling element.

1,482,261. HAT ADJUSTER AND RETAINER. JACOB RUBENSTEIN, New York, N. Y., assignor to Hold Tight Hat Adjuster, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 28, 1923. Serial No. 635,266. 1 Claim. (Cl. 132—58.)



A device for holding on a woman's hat comprising in combination with a hat, a relatively wide elastic strip extending across the head space in the hat in a position forward of its rear end, metallic stiffening devices adjacent the ends of the strip gripping the latter throughout its width to prevent twisting of the same and providing loops at the ends of the strip, said loops extending transversely of the strip, and fastening means for detachably securing the strip within the hat extending through said loops transversely of the strip, said fastening means being substantially confined to the longitudinal plane of said strip and having guarded hat piercing portions.

1,482,262. LIQUID-FUEL BURNER. EDWARD J. Y. RUTHERFORD, London, England, assignor to New System Oil Burners Limited, London, England. Filed Apr. 20, 1922. Serial No. 555,778. 9 Claims. (Cl. 158—73.)

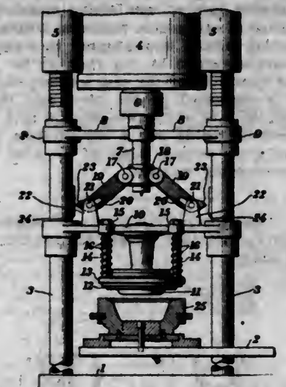


3. A liquid fuel burner, comprising a nozzle, a fuel jet arranged axially within said nozzle, said jet being displaceable relatively to said nozzle and regulating the opening therethrough, and a flash generator adapted to be heated by the burner, said generator including coaxially disposed annular tubes, symmetrically disposed connections between successive pairs of said tubes, connections to one of said annular tubes from a water supply, and connections from another of said annular tubes to said nozzle around said jet.

1,482,263. GLASS-PRESSING MECHANISM. JESSE M. SAID, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Feb. 7, 1923. Serial No. 617,565. 4 Claims. (Cl. 49—35.)

4. In a glass pressing mechanism having a fluid operated piston-rod for actuating the press plunger, the combination with a plunger cross-head slidably

mounted on vertical standards that are provided with notches, of means connecting the piston-rod and cross-



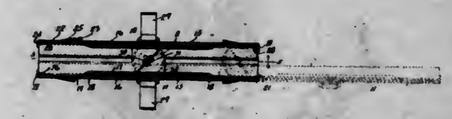
head and adapted to engage said notches upon the descent of the piston-rod and thereby exert an increase in pressure against the cross-head.

1,482,264. STENCIL HOLDER. GEORGE SAMEROTTI, Newark, N. J. Filed Jan. 4, 1923. Serial No. 610,591. 3 Claims. (Cl. 101—127.)



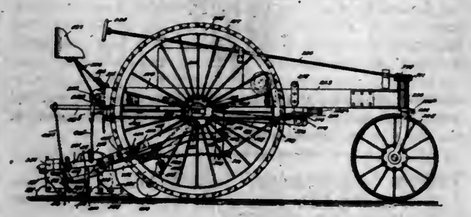
1. A stencil holder comprising a frame having a flange around its inner edge and having spiral springs stretched across the ends of the frame to hold a stencil against the flanges and to permit a slight rolling for easy insertion and removal of the stencil.

1,482,265. SHARPENER FOR SAFETY-RAZOR BLADES. JOHN M. SCHILTZ, Fort Worth, Tex. Filed Nov. 25, 1921, Serial No. 517,627. Renewed Dec. 7, 1923. 5 Claims. (Cl. 51—65.)



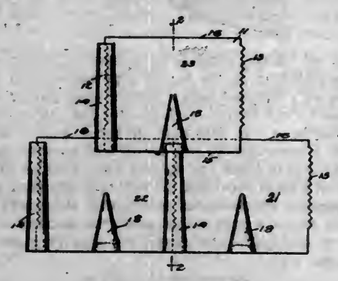
1. A stropping device for safety razor blades comprising a pair of supporting members having stropping elements in opposed relation, a connection between said members for maintaining the same in spaced parallel relation and for permitting of relative longitudinal sliding movements thereof, an oscillatory carriage removably positioned between said members, interengageable means on the carriage and on said supporting members for causing a reciprocable movement of the members in opposite directions upon manipulation of the device, means on the carriage for detachably associating a blade therewith, heads on the carriage engageable with the supporting members for limiting the oscillation of said carriage whereby to effect the forcible engagement of the sides of the cutting edges of the blade with the stropping faces, means at the opposite ends of the supporting members, and means on the carriage heads engageable therewith at the opposite end of each stroke of the device for oscillating the carriage.

1,482,266. MOTOR-DRIVEN AGRICULTURAL MACHINERY. FREDERICK L. SCHLEY and CLEMENS ERNST, Brooklyn, N. Y. Filed May 19, 1919. Serial No. 298,159. 14 Claims. (Cl. 97—47.)



1. In a machine of the character described, a frame, a transverse axle having projecting wheel spindles at each side of said frame, and shaft extensions on said spindles, a pair of side wheels mounted on said spindles, a guide wheel, ground engaging implements disposed to the rear of said axle, a draft bar located on the outside of one of said wheels, and provided with an elongated slot engaging the end of one of said spindles said spindle, and a bar pivotally connected at one end of said slotted bar and at the other end to said ground engaging members.

1,482,267. ROOFING TILE. BERNHARD SCHNITZLER, New York, N. Y. Filed Oct. 31, 1922. Serial No. 598,165. 5 Claims. (Cl. 108—10.)

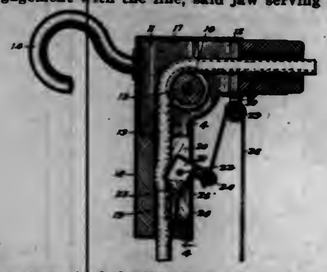


1. A roofing tile comprising a body having notches formed in one side, projections shaped to fit the tile notches formed on the other side, a strip formed integral with the body and extending beyond the notched edge, and a member formed in the center of the lower edge of the body for receiving an end of a strip formed integral with a tile.

1,482,268. CLOTHESLINE SUPPORT AND TIGHTENER. CHARLES SCHOPPE, New York, N. Y. Filed Feb. 2, 1922. Serial No. 533,689. 2 Claims. (Cl. 188—65.)

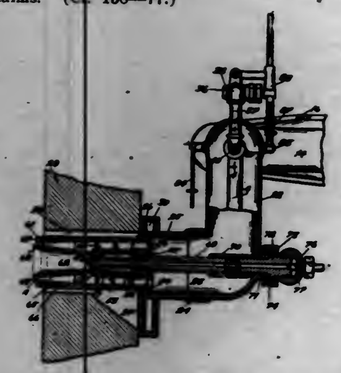
1. A clothesline supporting and tightening device comprising an angular tubular member including horizontal and vertical arms, a hook for attaching said member to a support, said hook being secured to said member at a point in axial alignment with the horizontal arm, a guide pulley mounted within said member at the juncture of said arms over which the end of the line is trained, a pivoted gripping jaw in the vertical arm having a cammed

serrated surface, and means for normally forcing said arm into engagement with the line, said jaw serving to permit



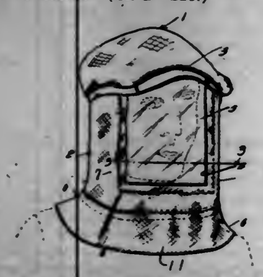
of free movement of the line in a direction to effect the tightening thereof and operating to prevent movement of the same in the opposite direction.

1,482,269. OIL BURNER. ISAAC M. SHARP, San Francisco, Calif. Filed Aug. 1, 1921. Serial No. 488,968. 22 Claims. (Cl. 158—77.)



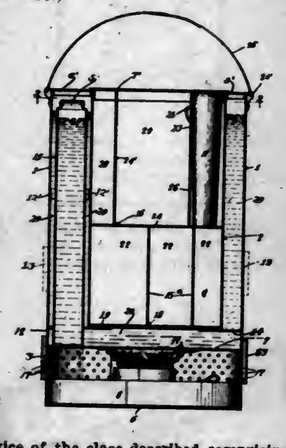
6. An oil burner, comprising a tubular burner supporting arm affording an air supply pipe mounted at one end to swing on a vertical axis, a burner shell projecting from the opposite end thereof and adapted for telescopic movement therein, a cup rotatably mounted within the shell, a spindle supporting the cup, an oil feed pipe for supplying oil to the cup through the spindle and extended exteriorly of said air supply pipe, said oil feed pipe affording a means for imparting simultaneous telescoping movement of said shell and cup as a unit within said arm, means for supplying oil to said pipe, and means for supplying air to said air supply pipe.

1,482,270. HEAD PROTECTOR. FREDRICK J. SHUSTER, Clifton Station, Va. Filed Oct. 26, 1921. Serial No. 510,639. 1 Claim. (Cl. 2—118.)



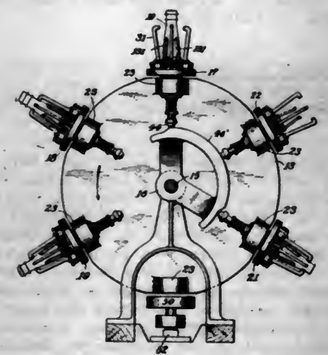
A head protector comprising a cap having a comparatively rigid visor projecting forwardly therefrom, a hood detachably connected to the inner side of the cap and having an opening in its upper front portion, a transparent panel secured at its side and bottom edges to said hood and closing said opening, reinforcing means attached to the upper edge of said panel, fastening means carried by the reinforcing means and adapted to cooperate with fastening means carried by the visor at the under side thereof and forwardly of the cap, whereby the weight of the panel is supported by the visor and the panel is spaced from the face of the wearer, and said hood being provided with fastening means spaced from its vertical edges whereby the vertical edges of the hood may be secured in overlapping relation.

1,482,271. DINNER PAIL. JAMES N. SIMMS, Chicago, Ill. Filed Apr. 25, 1921. Serial No. 464,312. 4 Claims. (Cl. 126—266.)



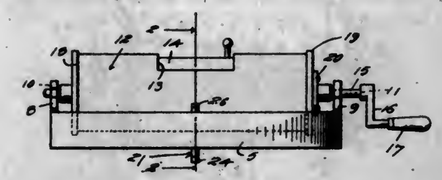
1. A device of the class described comprising a body, a heating chamber formed in the bottom of said body, pairs of supporting plates within said body and spaced above said heating chamber, one pair of said supporting plates having cut away portions to receive a liquid container and to laterally support the same, and a food container resting on said supporting plates.

1,482,272. APPARATUS FOR SEVERING VITREOUS ARTICLES. FRANCIS W. SMITH, Cranford, N. J., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Mar. 11, 1921. Serial No. 451,630. 7 Claims. (Cl. 49—14.)



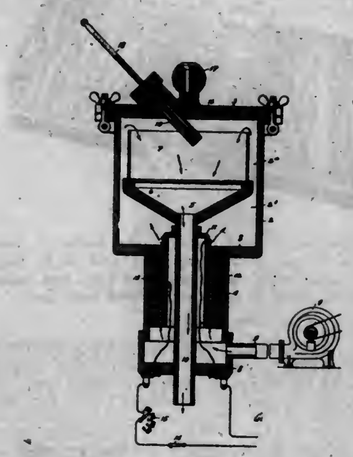
5. A machine for severing portions of vitreous articles from the body portions thereof, comprising in combination, means for receiving and holding the vitreous article, means for inverting the article while so held, means for severing a portion of the article from the body portion thereof while held in inverted position, and means for releasing the article from said first mentioned means after the severing operation has been accomplished.

1,482,273. COFFEE ROASTER. WILLIAM SPARTIVENTO, Buffalo, N. Y. Filed Feb. 18, 1920. Serial No. 359,681. 1 Claim. (Cl. 34—5.)



A roasting apparatus including an endless frame for snug disposition in a lid opening of a stove in place of the lid and on the supporting means for the lid, said frame essentially consisting of an upstanding wall and open at top and bottom means on the frame to coact with the last mentioned means to secure the frame against vertical displacement having handle portions extending outwardly beyond the frame, the frame being adapted to extend a distance above the top of the stove, a container for the material to be roasted surrounded by said frame, a supporting shaft for said container, and ears integral with and rising in line with and from the frame removably journaling said shaft.

1,482,274. DRIER. GUILFORD L. SPENCER, Herricks, Me. Filed Sept. 28, 1922. Serial No. 591,144. 5 Claims. (Cl. 34—39.)



1. A drier, including a shell, a support therein for a capsule, a capsule on the support, said capsule having a foraminous bottom, an inlet and an outlet to the casing, a continuous air passage between said inlet and outlet and including two subdivisions having the side-wall of the capsule as a common wall separating the two subdivisions at their junction, the foraminous bottom of the capsule lying between said junction and the outlet, and means for increasing the temperature and pressure of air above the atmospheric and admitting such air to the passage subdivision between the inlet and the capsule sidewall.

1,482,275. RIVET HOLDER. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed June 7, 1922. Serial No. 566,624. 1 Claim. (Cl. 218—19.)

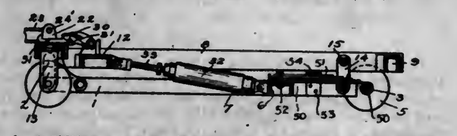


A one-piece rivet holder comprising a plate bent upon itself to provide a pair of arms whose free ends are biased to engage each other, one of the free ends extending beyond the other and being bifurcated, both of the arms being flat and each having on its surface a U-shaped ridge, with the cross-bar of the U located near the junction between the arms, and with the side members of the U extending in the general line of the arms forwardly towards the free ends of the arms.

1,482,276. PROCESS OF RECOVERING VANADIUM. WILLIAM E. STOKES, Rockville Center, N. Y., assignor to United States Processes, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 8, 1921. Serial No. 443,415. 6 Claims. (Cl. 23—13.)

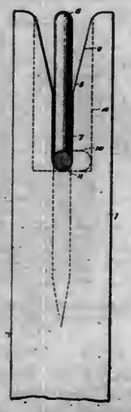
1. In a process of recovering vanadium, forming a cold water soluble vanadium compound relatively insoluble in hot water, leaching with cold water, and heating to precipitate the vanadium compound.

1,482,277. LIFTING TRUCK. WILLIAM STUBBING, Jr., Cincinnati, Ohio, assignor to The Stubbing Truck Company, a Corporation of Ohio. Filed Feb. 27, 1920. Serial No. 361,843. 7 Claims. (Cl. 254—10.)



1. A lifting truck including a substantially horizontally disposed base, a wheel supported axle arranged beyond one end of said base and in substantially the same plane as the base, a spring having one of its ends connected to said base and its other end connected to the axle, bearing means mounted on the base and bearing against an intermediate portion of said spring, a platform mounted on said base, and means for elevating said platform.

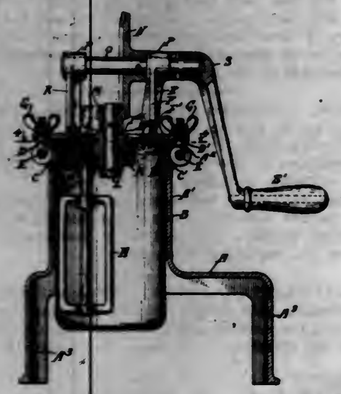
1,482,278. CLOTHESPOLE. BENJAMIN TRENT, Lakeview, N. J. Filed Mar. 14, 1922. Serial No. 543,683. 1 Claim. (Cl. 68—12.)



A clothes pole having a longitudinally extending socket in one end thereof, and slots in opposite sides thereof communicating with said socket, said slots extending to

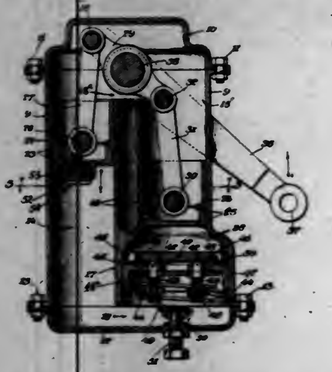
the end of said pole and the side walls thereof diverging outwardly at the upper ends thereof and for a portion of their lengths, and a pin mounted in the pole and extending centrally from the inner end of said socket and in alignment with said slots.

1,482,279. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; said Ashley assignor of his right to Josephine Trust, Park Ridge, N. J.; Josephine Trust administratrix of said Henry Trust, deceased. Filed Dec. 10, 1919. Serial No. 343,967. 9 Claims. (Cl. 259—102.)



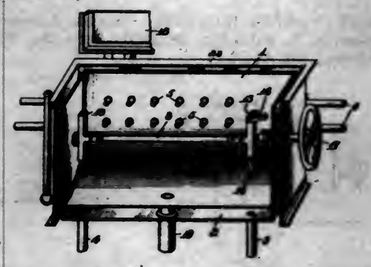
1. A machine comprising a base portion, a receptacle supported thereby, a frame mounted on said base portion, adapted to clamp said receptacle to said base portion and having a depending hub with gear teeth cast integral therewith, a casing, a spindle carried by said casing, a gear wheel connected to said spindle and meshing with said gear teeth on the hub and means by which said casing may be rotated.

1,482,280. AUTOMOBILE SHOCK ABSORBER. EDGAR H. WHEELER, Franklin, N. H., assignor of one-half to Edwin G. Morey, Windsor, Vt. Filed Feb. 1, 1923. Serial No. 616,260. 21 Claims. (Cl. 188—88.)



1. In a shock absorber the combination of a casing having a pair of fluid containing cylinders, a pair of pistons operating therein, each piston acting at one stroke thereof to force fluid from its cylinder into the other cylinder, and a pair of valve means for resisting such action.

1,482,281. DISINFECTION APPARATUS, PARTICULARLY FOR SPUTUM CUPS. JAN LAMBERT CORNELIS WORTMAN and AART VISSER, Amsterdam, Netherlands, assignors to Nederlandsche Fabriek van Bronswerken voorheen Becht & Dyserinck, Amsterdam, Netherlands. Filed July 5, 1923. Serial No. 649,752. 2 Claims. (Cl. 141—1.)



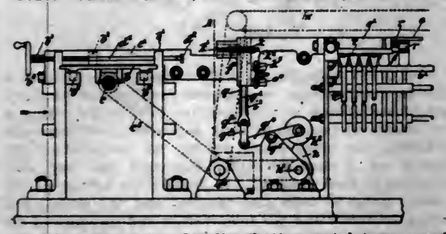
1. Disinfection-apparatus more particularly for sputum-cups, comprising a container having a double bottom, a series of atomizers in the wall of the container, a liquid reservoir, liquid conduits in communication with the atomizers and with the liquid reservoir, steam and condensing conduits in communication with the double bottom of the container and with the reservoir for raising the temperature of the liquid contents of the container and reservoir, a rotary axle mounted in the container, and portable frames for carrying the cups and supporting same upon said axle.

1,482,282. BELT-FASTENING HOOK. MORTON L. ADAMS, Anchorage, Territory of Alaska. Filed Apr. 14, 1922. Serial No. 552,689. 6 Claims. (Cl. 24—33.)



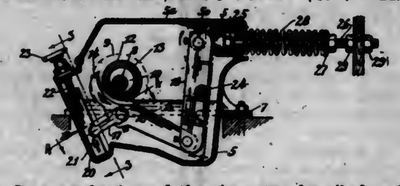
2. Belt fastening means comprising a series of hooks of which each has confronting long and short tangs adapted to pass when forced into the belt, and means connecting the hooks to make an integral hook body.

1,482,283. AUTOMATIC METAL-TYPE-DISTRIBUTING MACHINE. THOMAS ATKINSON and HORACE CARDWELL DAY, Heywood, England. Filed Aug. 31, 1922. Serial No. 585,387. 6 Claims. (Cl. 276—26.)



1. In an apparatus for distributing metal type, a galley to receive the page of type to be distributed, a sliding base for such galley, means to clamp the type upon such galley base, and means to actuate the galley base to bring the type a line at a time opposite to a type channel, a receiver at the end of such type channel, means to carry the type suspended in such receiver, means to feed the type a line at a time into such type channel and receiver substantially as described.

1,482,284. OPERATING MECHANISM FOR CONCENTRATING TABLES AND THE LIKE. JAMES HOWARD CARNEY and WILLIAM A. BUTCHART, Denver, Colo.; said Carney assignor to said Butchart. Filed Nov. 4, 1922. Serial No. 599,121. 5 Claims. (Cl. 74—14.)



1. In a mechanism of the character described, a hollow frame closed at its bottom to provide an oil reservoir, a toggle in said reservoir below a determinate liquid level, including a floating member having an upturned working face, a rocker-lever connected with said member below its fulcrum, an abutment for the toggle, a movement transmitting element, a pivotal connection between said element and the upper end of the lever above said liquid level, the lever having means which by its rocking motion, causes the lubricant in the reservoir to be forced upwardly so as to lubricate the said connection, and an eccentric rotatably supported on the frame above and in contact with the working face of the floating toggle member.

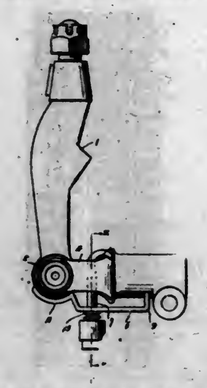
1,482,285. TAG PACKAGE. HARRY AUGUSTUS CHANDLER, Framingham, Mass., assignor to Dennison Manufacturing Co., Framingham, Mass., a Corporation of Massachusetts. Filed Oc. 27, 1922. Serial No. 597,349. 2 Claims. (Cl. 206—46.)



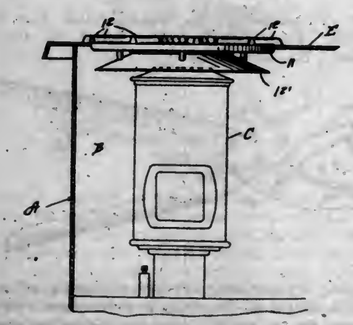
1. In combination, a bunch of tags, each with cord attached, the cords of the bunch gathered into a sheaf, a binder embracing the sheaf of cords near the free ends thereof to form a stricture and a spreading tuft of cord ends beyond the stricture, and a collar of light, stiff material encircling the sheaf between the tags and the stricture, and wide enough to serve as a barrier between the tags and the free cord-ends, the collar aperture being smaller than the tuft of free cord ends beyond the stricture.

1,482,286. ANTIRATTLER. GEORGE F. COLLEY, Athens, Ga., assignor to Warren J. Conolly, Athens, Ga. Filed Nov. 24, 1923. Serial No. 676,873. 2 Claims. (Cl. 74—17.)

1. An anti rattler for the joints formed between parts, the one embodying a sleeve and the other a fork to receive the sleeve which is pivoted thereto, the same comprising a flat spring placed against a side of the fork member and having one end curved to snugly fit said sleeve, a bolt passing loosely through the spring and said fork and engaging the furcations thereto, and a nut threaded on the projecting end of the bolt and exerting a lateral pressure against the spring whereby to tension the same to automatically take up any wear in the joint and prevent rattle or noise.



1,482,287. PROTECTING SHIELD FOR COOKING-STOVE BURNERS. DAN W. DAUGHHETEE, Kiowa, Kans. Filed Sept. 27, 1922. Serial No. 590,870. 2 Claims. (Cl. 126—214.)



1. In combination with a stove having an apertured top, a burner and a grid thereover, a protective shield for the burner, said shield consisting of an endless inclined flange, a collar rising from said flange, said collar being perforated and substantially fitting and disposed within said opening, and fastenings passing through said grid and said flange.

1,482,288. ELECTRIC CONNECTION. CHARLES AUGUST DEUSCHER, New York, N. Y. Filed July 20, 1920. Serial No. 397,719. 2 Claims. (Cl. 287—109.)



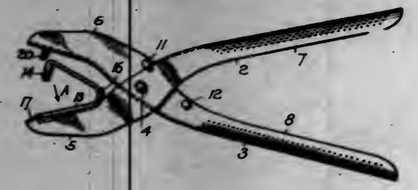
1. A method of applying a sleeve connection to an electrical conductor which comprises spirally twisting the end of the conductor back upon a portion thereof to form a twist, inserting said twisted portion within one end of the sleeve, and compressing the sleeve on the end of the conductor by the application thereto of pressure uniformly and simultaneously from all directions.

1,482,289. HEAT-CONSERVING DEVICE. HARRY DODGE, Danvers, Mass. Filed Dec. 24, 1921. Serial No. 524,790. 8 Claims. (Cl. 257—166.)



2. A device of the class described comprising a frame adapted to be inserted in an opening in a flue through which products of combustion are caused to pass, stop ribs within said frame, a diaphragm of relatively thin metal bearing upon said ribs, stops attached to said frame and engaging said diaphragm, and an air intake flue leading through the bottom of said frame and in advance of said diaphragm.

1,482,290. BENDING TOOL. PETER FRANK ELZI, Denver, Colo. Filed Feb. 2, 1921. Serial No. 441,824. 7 Claims. (Cl. 128—331.)



1. A tool for applying ear-tags consisting of a U-shaped clip having at its ends, a sharp-edged rivet-pin and an aperture to pass the same comprising cooperating jaws one of which has an opening for alinement with the aperture of a tag placed between them, and a shoulder in said opening to engage with the end of the rivet pin passed through said aperture when the jaws are closed together.

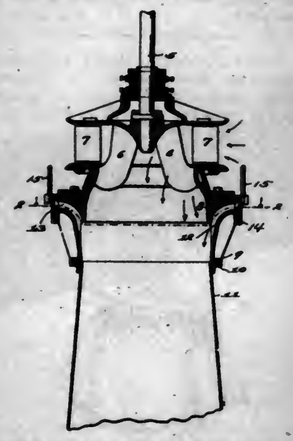
1,482,291. SELF-STROPPING SAFETY RAZOR. LOUIS V. ENGLAND, Laredo, Tex. Filed Sept. 20, 1922. Serial No. 589,394. 4 Claims. (Cl. 30—12.)

1. A razor of the character described comprising an elongated hollow handle, a frame mounted upon one end of the handle and formed with extensions, a pair of spaced rollers journaled through said extensions, a gear on the end of one roller, a pair of blade holders rotatably mounted within said frame, gear teeth formed on one of said blade holders and meshing with said gear, one of said blade holders being longitudinally movable and invertedly spring pressed, a blade engageable within said blade holders, a pair of rollers located below said blade holders and journaled in the frame, a plunger slidably longitudinally of said handle, a blade guard formed at hingedly connected sections carried by said plunger and provided with means for engaging the blade whereby to hold the same in closed position, in combination with a frame detachably connected with said first named frame and carrying a roller and suspension means, and a strop



trained about said last named roller and having one end inserted through said first named rollers with the other end engaged beneath said last named rollers in the frame.

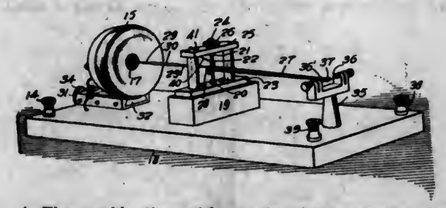
1,482,292. TURBINE. JOHN H. FELTHOUSEN, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a Corporation of Pennsylvania. Filed July 25, 1917. Serial No. 182,793. 8 Claims. (Cl. 253—17.)



1. A turbine having a runner, means for admitting a motive fluid to the runner, a single draft tube, inlet means associated with the draft tube and having inwardly inclined passages in a portion thereof for the admission of a supplemental fluid into the draft tube in the direction of flow of the motive fluid from the runner through said tube to increase the suction in the latter and the head on the runner, and valve means located and operable exteriorly of the inlet means to regulate admission of the supplemental fluid.

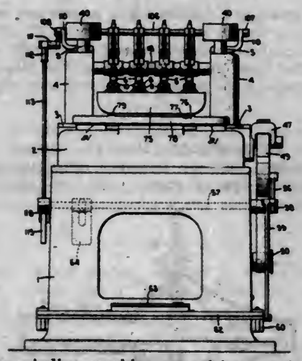
1,482,293. RECORDER FOR RADIOTELEGRAPH OUTFITS. WILLIAM GEORGE HAROLD FINCH, Jersey City, N. J. Filed Dec. 9, 1921. Serial No. 521,148. 4 Claims. (Cl. 200—90.)

1. The combination with a magnetically vibrated diaphragm, of a bell crank lever journaled adjacent the diaphragm, a rigid connection between the vibrating diaphragm and the short arm of the bell crank lever, a contact positioned to engage the longer arm of the bell crank lever, and electrical connections between the lever and the contact.



4. The combination with an electrically vibrated diaphragm of a bell crank lever fulcrumed in spaced relation with the diaphragm and having legs of different lengths, a connecting rod extending from the vibrating diaphragm to the shorter leg of the bell crank lever, spaced contacts mounted in spaced relation to the fulcruming of the lever and presenting contact extremities in position to be engaged by the extremity of the longer leg of the lever, and means to vary the connection of the diaphragm to the shorter leg of the lever to adjust the relation of the longer leg of the lever between said spaced contact points.

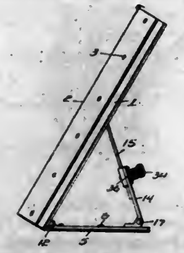
1,482,294. GRINDING MACHINE. WARREN F. FRASER, Westboro, Mass. Filed Sept. 18, 1919. Serial No. 324,349. 21 Claims. (Cl. 51—60.)



1. In a grinding machine comprising a grinding member and a work carrying member, means for moving one of said members bodily in a circular path, a carriage supporting the other member, a slide supporting said carriage and means for imparting independent movements in different directions in parallel planes to said carriage and said slide.

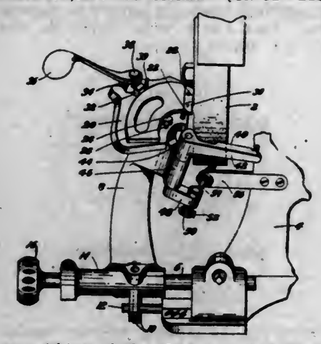
1,482,295. ADJUSTABLE LAND-SIDE ATTACHMENT FOR ROAD GRADERS. ATHUL A. FULCHER, Kinta, Okla. Filed Feb. 28, 1923. Serial No. 621,817. 1 Claim. (Cl. 37—143.)

In combination, a mold board having a lengthwise extending blade depending therefrom, a rearwardly extending right angularly disposed arm projecting from the rear face of said board at one end thereof, said arm having its rear end bifurcated, a rearwardly extending rectangular member having a reduced forward end extended between the furcations of said arm and pivotally connected therewith, said member arranged throughout above the bottom of said board, a land bar positioned against the outer face of said member and having its forward end projecting beyond the forward end of the member and further opposing one end of said board, means for detachably connecting said land bar to the outer face of said member, a plate positioned against the inner face of said member in proximity to its rear end and formed with a bifurcated rear end, means for securing said plate to the rear of said member, a permanently inclined lengthwise adjustable sectional coupling bar positioned between said board and member, means for hinging one end of said bar to the bifurcated end of said



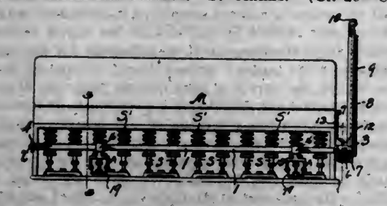
plate, means for hinging the other end of said bar to the rear face of said board at a point intermediate the ends thereof, and means permanently carried by said coupling bar for securing it in its adjusted position.

1,482,296. GRINDING MACHINE. JOSEPH GOULDBOURN and FRED RICKS, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 8, 1921. Serial No. 490,524. 14 Claims. (Cl. 51—218.)



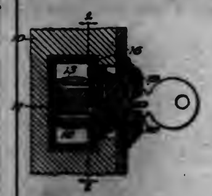
1. In a machine of the class described, a grinder, a support for the similar shaped bodies of the tools of a set which vary as to cutting edge and one other characteristic, common means to locate similar parts of the bodies of the tools of a set at a definite point, and locating means engaging other parts of the similar shaped bodies of said tools, said locating means being arranged to cooperate with the varying characteristic of the tools to cause them to take different positions with relation to the support whereby their edges will be ground at different angles.

1,482,297. VALVE-SPRING-COMPRESSING DEVICE. LEO HYACINTH GRAY, Stamford, Conn. Filed Dec. 28, 1922. Serial No. 609,484. 17 Claims. (Cl. 29—86.3.)



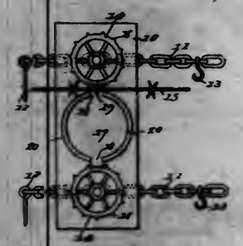
1. A device of the class described including a suitably mounted shaft, a valve spring engaging member carried by the shaft, means for operating the shaft to compress the spring, and locking means for holding the parts in adjusted position.

1,482,298. LOCK. BURT GARRNISON, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,012. 2 Claims. (Cl. 70—46.)



1. In a lock having a sliding bolt formed with rack teeth, means for operating said bolt, said means comprising a gear adapted to engage said rack teeth, said gear having a recess formed in one of its side faces, an operating member for said gear, a projection formed on the gear operating member and adapted to be received in the recess formed in the gear whereby the gear and its operating member are interlocked, and a plurality of bolts passing through said gear and having threaded engagement with said operating member to retain said gear and operating member in interlocked relation.

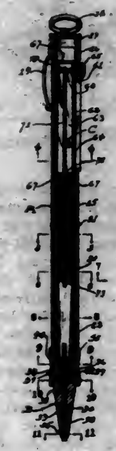
1,482,299. FENCE TOOL. HAMILTON D. GUFFEY, Unionville, Mo. Filed Apr. 5, 1923. Serial No. 630,082. 4 Claims. (Cl. 254—1.)



4. A device for the purpose described having a base provided with means for temporary engagement with a fence post, and rotary upper and lower runner guides carried by said plate, the latter being provided between the guides with an opening having throats adapted to be spanned by a runner engaging one of the guides, said guide being provided with spaced peripheral projections for engagement with the runner, said post engaging means consisting of chains provided with terminal shackle pins and hooks.

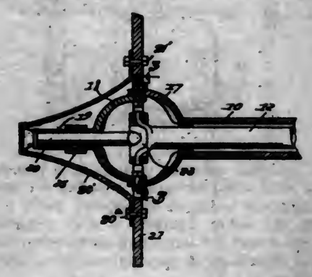
1,482,300. SELF-FEEDING AND SELF-SHARPENING PENCIL. ALFRED A. E. HANSEN, Philadelphia, Pa. Filed Oct. 13, 1921. Serial No. 507,513. 12 Claims. (Cl. 120—15.)

10. A pencil, comprising a hollow cylindrical barrel arranged to receive a reserve supply of independent leads, a tip detachably carried by one end of the barrel having a longitudinally extending axial way therein for the reception of one of the leads, a removable cap carried by the opposite end of the barrel, a disc shaped partition disposed within the barrel for dividing the barrel into independent compartments for the reception of the reserve supply of the leads, the partition having a plurality of openings in the periphery thereof for permitting the reserve supply of leads to pass therethrough, the partition being also provided with an axial guide opening in direct alignment with said bore, an operating rod slidably mounted in said axial guide opening, a casing disposed within said barrel including parallel side walls, and connecting end walls, the side walls having their ends anchored in said barrel and forming compartments in relation to the inner surface of the barrel for a reserve supply of the leads, the last mentioned compartments communicating with one of the compartments formed by the partition, certain of the inner ends of the side walls being provided with rack bars, a rotatable stub shaft, the barrel having a longi-



tudinally extending slot arranged to receive one end of the stub shaft, a thumb piece carried by said end of the stub shaft, pinions secured to said stub shaft engaging said rack bar, and an eye formed on the inner end of said operating rod for rotatably receiving said stub shaft.

1,482,301. FOUR-WHEEL DRIVE. HENRY HARDER, Grande Prairie, Alberta, Canada. Filed Dec. 16, 1920. Serial No. 431,165. 1 Claim. (Cl. 180—48.)

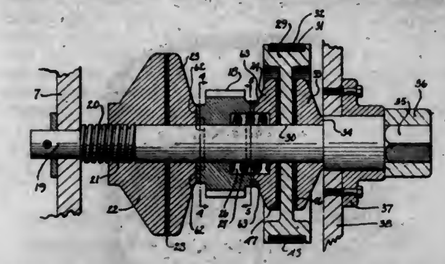


A vehicle having a front axle and motor driven axle shaft, axle spindle yokes pivotally connected on vertical axes to the extremities of the front axle and provided with spindle bearings, spindles mounted in said bearings and having universal connections with the extremities of the front axle shaft, steering arms provided with clamps engaged with the bearings of the spindle yokes, wheels, conical shaped housings having their apexes connected with the extremities of the spindles on the interior of the housings, the latter being flanged at the bases and connected to said wheels, a bar conecting the steering arms, and means for imparting longitudinal movement to said bar.

1,482,302. PORTABLE ELEVATOR. ETHAN N. HESCOCK, Westfield, N. J., assignor to New Jersey Foundry and Machine Company, a Corporation of New Jersey. Filed June 20, 1922. Serial No. 569,737. 8 Claims. (Cl. 192—15.)

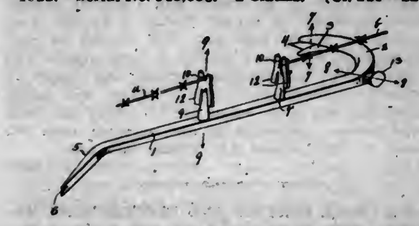
1. In a hoist mechanism the combination of a rotating member, hoisting means and automatic braking means

mounted on said rotating member, means to rotate the rotating member in one direction to raise a load, and



means to retard the rotation of said member to slowly lower the load and at the same time prevent the operation of the automatic braking means.

1,482,303. WIRE STRETCHING AND SPLICING TOOL. JOSEPH H. C. HIRD, Mason City, Nebr. Filed Apr. 1, 1922. Serial No. 548,836. 2 Claims. (Cl. 140—123.5.)



2. A bar having spaced wire-splicing elements attached thereto, each of said wire-splicing elements comprising a shank bifurcated at its upper end to provide spaced jaws, each of said jaws having a downwardly disposed extension substantially paralleling the shank and in spaced relation thereto.

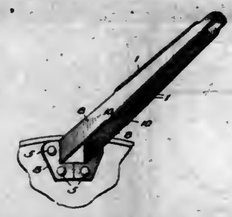
1,482,304. TIRE TOOL. GEORGE F. HOAG, Shavertown, N. Y. Filed Oct. 30, 1922. Serial No. 597,893. 2 Claims. (Cl. 157—6.)



1. A tire removing tool comprising tongs having curved jaws to embrace the tire and pry its beads from their retaining rim, and a tire iron insertable under both beads for prying the tire laterally from the rim, said tire iron being pivoted to one of said jaws.

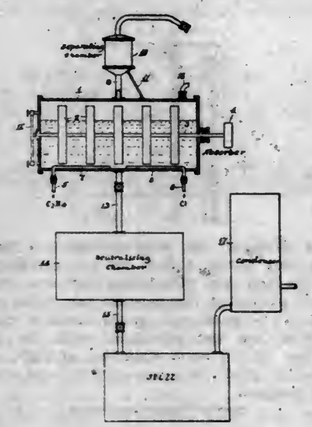
1,482,305. HANDLE. WILLIAM H. HODGSON, Rockville, Conn. Filed Jan. 27, 1922. Serial No. 532,170. 3 Claims. (Cl. 53—8.)

3. A handle consisting of a single piece of sheet metal bent intermediate its ends to provide opposite side members, the bended portion of said sheet metal piece being of reduced height to facilitate bending, the extremities of said side members being bent at angles relatively to the portions of the side members adjacent to said extremities, said last mentioned portions being spaced apart, arranged in substantially vertical parallel planes and being unconnected, the portions of said side members between the vertical plane portions and the portion of reduced height being of channel-shaped cross section with the channels



opening toward one another, said channel-shaped portions being spaced apart throughout substantially their entire length and said space being unobstructed in order to permit the circulation of air between the channel-shaped portions of said side members.

1,482,306. APPARATUS FOR MAKING HALOGENATED PRODUCTS. WILLIAM E. KIRST, Saginaw, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Oct. 17, 1919. Serial No. 331,446. 2 Claims. (Cl. 260—173.)

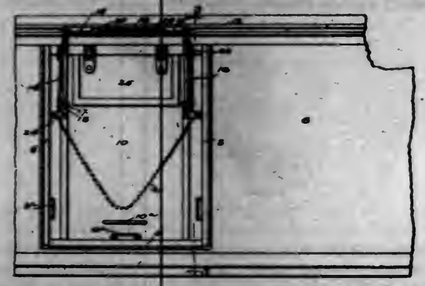


1. In an apparatus for making halogenated products, the combination of a horizontal cylindrical stationary absorbing chamber, an agitator comprising an axial shaft within said chamber and a series of paddles carried by said shaft, and separate pipes for supplying a halogen and an olefinic body to said chamber, said pipes having perforated extensions, respectively, disposed within said chamber along its lower wall.

1,482,307. FREIGHT-CAR DOOR. KUSTA ROBERT KOSKINEN, Brooklyn, N. Y. Filed Jan. 5, 1923. Serial No. 610,563. 2 Claims. (Cl. 20—24.)

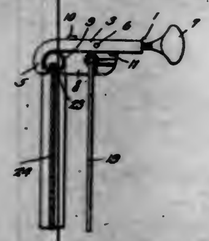
1. In a freight car door structure including a recessed doorway in a avertical wall of the car, an overhead horisontal track longer than the width of the doorway, a carriage slidable along and rockable laterally of the track, a plurality of hanger elements vertically suspended from the carriage for swinging movements in a plane parallel to the plane of the doorway, a door pivotally suspended from the lower ends of said hanger elements thereby to permit, relative to the car, translational movements of the door in a given plane, swing-

ing movements of the door toward and away from said plane, and rotational movements of the door in said plane, and means for giving the door any or all of such movements at will, said means including a flexible ele-



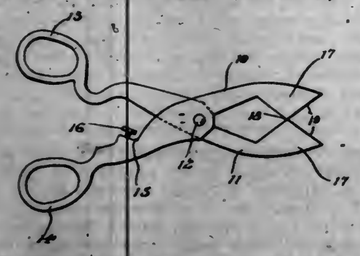
ment having a central pendant loop portion movably suspended outside the door and having the terminal portions of the element operatively associated with the hangers and also with the door.

1,482,308. GLARE SCREEN AND CLAMP. ALBERT F. LIEBERENZ, South Milford, Ind. Filed Jan. 26, 1922. Serial No. 531,945. 3 Claims. (Cl. 296—97.)



3. In a device of the class described, a clamp comprising a body having a fixed jaw; a movable jaw slidable on the body and cooperating with the efixed jaw; means for advancing the movable jaw with respect to the fixed jaw; and an eye guard mounted directly on the movable jaw and adjustable with the jaw, said movable jaw having seats extending at right angles to each other to hold the eye guard in operative or inoperative position.

1,482,309. BUTTONHOLE SCISSORS. LAURA A. LIGHTCAP, Dubuque, Iowa. Filed Sept. 11, 1920. Serial No. 409,601. 1 Claim. (Cl. 164—5.)



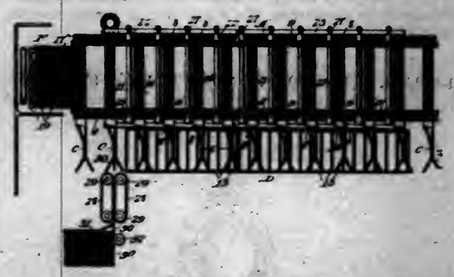
Buttonhole scissors comprising a pair of pivoted blades each having a substantially triangular cutting blade each of said cutting blades comprising cutting edges of equal length the apices of said cutting blades meet to provide initial cutting of material and to permit equal cutting of the material in each direction from the initial perforation by the points.

1,482,310. ROCK DRILL. JOSEPH LODATO, Ogden, Utah. Filed Aug. 26, 1921. Serial No. 495,641. 2 Claims. (Cl. 255—41.)



1. The combination with a bracket and its support, of a ratchet head on the bracket and a pivotal member projected therefrom, a hanger having a ratchet head complementary to the first head and secured on said pivotal member, a hammer pivoted on said member and an impact spring between said hammer and hanger, a reciprocable tool supported in the hanger and means for retracting said tool, means for retracting the hammer and means connected to and actuated from the movement of the hammer for turning said tool.

1,482,311. MAIL SORTING AND DISTRIBUTING MACHINE. FRED R. LONG and CLINTON E. LONG, Berwick, Pa. Filed Jan. 17, 1912, Serial No. 671,660. Renewed May 11, 1922. Serial No. 560,246. 58 Claims. (Cl. 214—11.)

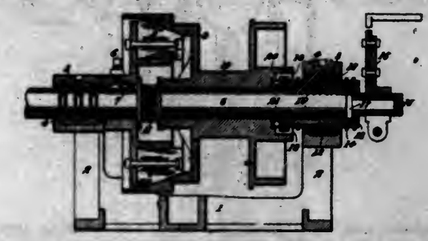


1. In a mail sorting and distributing machine, a conveyor, a series of mail carriers upon the conveyor for carrying a number of single pieces of mail at the same time, means for feeding the mail singly to the different carriers, selective emeans for causing the carriers to automatically deposit the mail at any one of a series of points in their course of travel, and means for preventing the mail from being fed to the carriers except when the latter are in position at the receiving station.

1,482,312. THRUST SCREW FOR FRICTION HOISTS. ALFRED E. MASON, San Francisco, Calif. Filed Mar. 21, 1922. Serial No. 545,560. 1 Claim. (Cl. 192—94.)

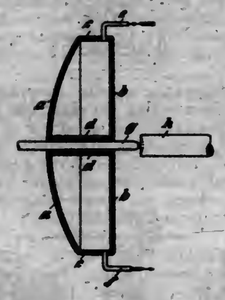
In combination, a movable clutch part, a rotatable supporting shaft therefor on which said movable clutch part rotates and is longitudinally movable, a fixed bearing for one end of said shaft, a co-operating clutch part rotatable with and held from longitudinal movement on said shaft, a bearing box formed with an in-

ternal screw threaded bore arranged coaxially of the shaft, a cylindrical tubular shell open at one end and closed at its opposite end, forming a thrust member within said threaded bore and providing a bearing recess into which through its open end said shaft is received, said thrust member having a smooth interior and a threaded outer surface for co-operating with the threaded bore of the bearing box, a thrust bearing



between the end of the thrust member and said movable clutch part, a lever associated with the closed end of the tubular thrust member for imparting rotation thereto to advance said thrust member longitudinally in said bearing box to force said clutch parts into engagement, and a spring between said clutch parts and surrounding said shaft for disengaging said clutch parts on the retraction of said screw.

1,482,313. REFLECTOR. ADOLF MIETHE, Charlottenburg, near Berlin, Germany. Filed May 12, 1922. Serial No. 638,471. 6 Claims. (Cl. 88—24.)



1. In combination with a reflector and a source of light lying in the axis of said reflector, a heat-absorbing liquid screen interposed between said reflector and said source.

1,482,314. BILLIARD AND POOL TABLE COVER. THOMAS MURPHY, Brawley, Calif. Filed May 24, 1921. Serial No. 472,084. 1 Claim. (Cl. 46—6.)



The combination with a pool or billiard table, of a roller housing fixedly attached to the slanting side surface of the table frame so as to be within the vertical plane of the overhang of one of the side rails of the table, a spring actuated roller having its terminals journaled in the opposite ends of the housing, a flexible cover attached to and carried by the roller for extension transversely of the table to occupy a spanning relation to the playing surface thereof, means secured to the free edge of the cover for engagement with the side rail at the opposite side of the table from that carrying the housing.

1,482,315. PNEUMATIC-TIRE VALVE. FREDERICK MYERS, New York, N. Y. Filed Aug. 14, 1922. Serial No. 581,704. 12 Claims. (Cl. 152—12.)



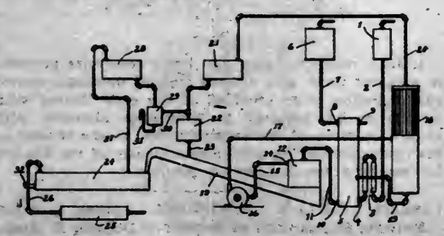
1. In a pneumatic tire valve, a tubular member adapted for mounting in a casing stem, said tubular member having a lateral air port therein adjacent the inner end, a valve stem resiliently mounted in the tubular member, and a cushion valve carried by the inner end of the valve stem associated with the lateral air port.

1,482,316. SAFETY CHAIN FASTENER. ERNEST B. NEWTWIG, Jefferson City, Mo. Filed July 9, 1923. Serial No. 650,460. 6 Claims. (Cl. 24—69.)



1. A fastener comprising a body with a notch, a lever member having an inner section pivotally connected to the body and notched and also having an outer section hingedly connected for sidewise swinging to the inner section and adapted when the inner member is closed to be swung laterally against one side of the body, and means carried by the body and adaptel after the said swinging of the outer section against the body to be moved to position to hold said outer section against lateral movement away from the body.

1,482,317. PROCESS OF MAKING THIOUREAS. WILLIAM G. O'BRIEN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 13, 1920. Serial No. 430,251. 13 Claims. (Cl. 260—125.)



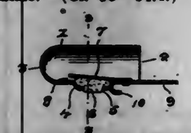
1. The method of manufacturing a thiourea by a continuous process which comprises adding a primary amine and carbon bisulfide at a regulated rate into a reaction chamber and maintaining the chamber at a temperature above the melting point of the product formed.

1,482,318. PROTECTIVE DEVICE. FRANK W. PEEK, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 20, 1918, Serial No. 235,450. Renewed July 19, 1922. Serial No. 576,150. 8 Claims. (Cl. 175—30.)



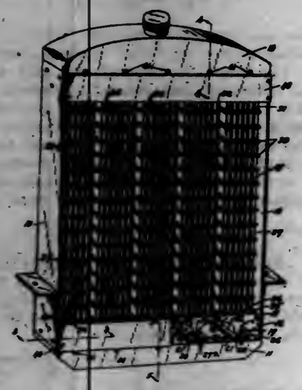
1. In a protective device, the combination with cooperating electrodes spaced apart to form a spark gap, of shielding means for said electrodes having a contour corresponding substantially to an equipotential surface.

1,482,319. ENVELOPE MOISTENER. SAMUEL J. T. PRICE, Auburn, Ala. Filed Nov. 15, 1922. Serial No. 601,128. 2 Claims. (Cl. 95—54.4.)



2. A device of the class described comprising a tubular member having a finger receiving opening at one end thereof, a reservoir at the other end thereof, the side of the member having an opening, a pad of absorbent material projecting through said opening, means for permitting some of the water in the reservoir to pass to the pad, a hook on the member for engaging the flap of an envelope and an extension on the open end of the member for receiving a string or the like to hold the device in place.

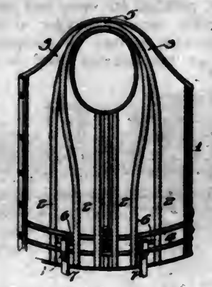
1,482,320. RADIATOR. EDWARD M. ROSENFELD, Cleveland, Ohio. Filed Mar. 25, 1922. Serial No. 546,744. 5 Claims. (Cl. 257—129.)



1. In a radiator, upper and lower reservoirs provided in adjacent faces with aligned opposed openings, removable radiation units provided at the ends thereof with headers having openings in their ends alignable with aligned openings of the reservoirs, and means carried by the reservoirs and movable longitudinally of the headers for clamping the headers in position.

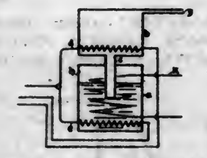
1,482,321. CHILD'S UNDERBODY. LOUISA L. ROYE, Malvern, Pa., assignor of one-half to Dorothy B. Jones, Philadelphia, Pa. Filed Mar. 18, 1922. Serial No. 544,718. 1 Claim. (Cl. 2—98.)

In a child's undergarment of the character stated, a body provided with shoulder straps, vertical stays on said body and shoulder straps, and horisontal stays crossing said vertical stays near the lower portions of said body, said vertical stays being continuous and convergent from the lower ends of said body on the front and rear thereof to the tops of said shoulder straps and



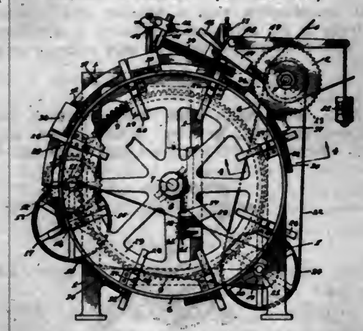
shoulder and meeting on said tops, and stocking supporting pieces each connecting a pair of said convergent vertical stays adjacent to said horizontal stays, each of said pieces being adapted to sustain a hose supporter between the members of a pair of convergent stays.

1,482,322. ABSORPTION REFRIGERATOR. EDMUND RUMPLER, Berlin-Johannisthal, and ALBERT RENNAU, Berlin-Tegel, Germany; said Rennau assignor to said Rumpler. Filed Jan. 6, 1922. Serial No. 527,465. 8 Claims. (Cl. 62—118.)



1. In a refrigerator, a boiler comprising two vessels, a conduit interconnecting the same, one end of the conduit terminating at the bottom of one of the vessels and the other end terminating intermediate the top and the bottom of the other vessel, an outlet near the top of the first mentioned vessel and means for heating the contents of the vessels, the vessels being closed except for the said conduits and the said outlet.

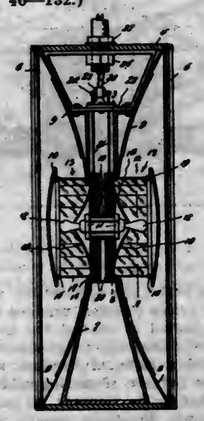
1,482,323. ROTARY-FEED GANG SAW. HOWELL R. SANDERS, Sacramento, Calif. Filed Dec. 3, 1921. Serial No. 519,761. 5 Claims. (Cl. 143—57.)



5. In a gang saw, the combination with a plurality of spaced saws and a rotatable carrier drum arranged to move blocks to be sawed into slats into engagement with said saws, of an apertured presser foot pivotally mounted adjacent the saws and the drum; a presser block slidably mounted within said foot and extending outwardly from both ends thereof; fingers formed upon the forward

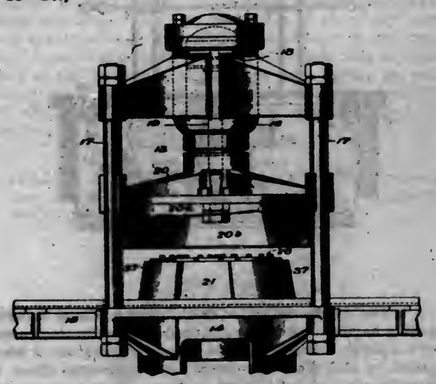
end of the block to extend between the saws, said fingers being formed by grooves cut therethrough by the saws; and means for normally depressing said foot, block and fingers against a block to be sawed while in engagement with the saws to prevent displacement of the block and slats by the saws.

1,482,324. SIGN. WALTER A. SCHULTZ, Brownsville, Tex. Filed June 25, 1923. Serial No. 647,475. 2 Claims. (Cl. 40—132.)



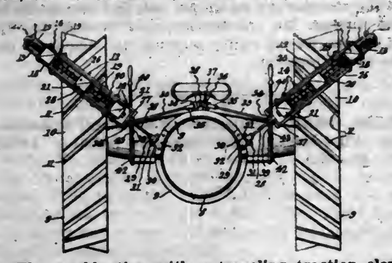
1. In a sign of the class described, a drum shaped casing, a vertical support within the casing, stationary lamps upon opposite sides of said support, rotary lamp casings surrounding said lamps, said lamp casings including various colored glass plates, sign letters within said drum shaped casing and surrounding said lamp casings, and means for rotating said lamp casings.

1,482,325. APPARATUS AND METHOD FOR MOLDING TREAD BANDS. WALTER E. SHIVELY, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 26, 1920. Serial No. 406,256. 16 Claims. (Cl. 18—17.)



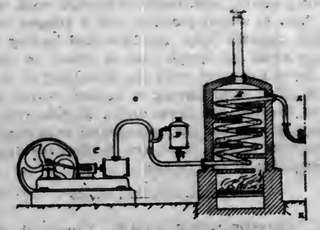
1. A mold for tire treads comprising inner and outer concentric annular mold members one of which comprises segmental sections movable relatively to the other member, and means for moving the members to active position, the members being recessed whereby in active position they provide an annular mold chamber including a medial portion having a transversely curved inner wall and a relatively transversely flat outer wall and relatively thin laterally extending marginal portions.

1,482,326. CLEANING DEVICE. REED SPONSLER, Humeston, Iowa. Filed July 28, 1923. Serial No. 654,476. 4 Claims. (Cl. 280—158.)



1. The combination with a traveling traction element having transversely inclined cleats, of an endless belt supported across the cleats and being free from positive driving means, non-rotating scraping blocks having inclined faces to engage with the cleats and to be shifted thereby longitudinally of the cleats which they clean when traveling longitudinally thereof, said scraping blocks being secured to the endless belt so that they cannot turn upon their indiivdual axes with relation to the endless belt.

1,482,327. PRODUCTION OF METAL OXIDES, ESPECIALLY LEAD OXIDES. JACQUES ANTOINE THIBAULT, Paris, France. Filed Jan. 5, 1920. Serial No. 349,548. 3 Claims. (Cl. 75—19.)



1. The improved method for the production of metal oxides which consists in charging the solid metal in a divided state in a closed vessel, heating the said metal at a temperature below its melting point, introducing a current of air under pressure into the vessel together with water-vapor, agitating the metal so as to improve its contact with the air and water-vapour, simultaneously maintaining a given pressure of air and water vapour in the vessel and finally raising the temperature above the melting point of the metal but below the melting point of an intermediary oxide.

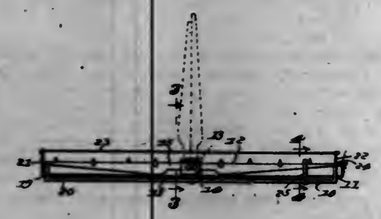
1,482,328. BARREL. JOSEPH S. THOMAS, Shippensburg, Pa. Filed Feb. 16, 1923. Serial No. 619,466. 2 Claims. (Cl. 217—44.)



1. A barrel including a bottom and top, eyes projecting beyond the periphery of said parts, the body of the barrel being made up of a plurality of sections, hoop sections

secured to each body section and projecting beyond the edges thereof and provided with apertures, the apertured extremities of the respective sections being overlapped when the sections are set up for use, and connecting rods passed through the eye members and through the apertured extremities for rigidly securing the component parts of the barrel together.

1,482,329. TRAP. HJALMER H. TOLLEFSON, Scandinavia, Wis. Filed Mar. 1, 1920. Serial No. 362,311. 1 Claim. (Cl. 43—92.)



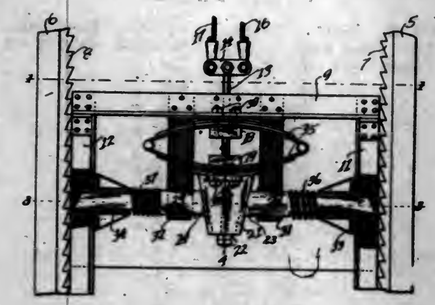
An animal trap having a base bar provided with upturned terminals, jaws mounted upon the base bar and adapted when open to engage said terminals as rests, an actuating spring operatively connected with said jaws to move them to closed position, and a trigger consisting of a rocket mounted upon the base and having terminal upstanding arms of which one is offset to provide a shoulder for engagement with the extremity of one of the jaws, said offset arm having a normal spring tendency away from the engaged jaws, and a flexible trip member connecting the arms of the rocker and counteracting the spring tendency of the offset arm while providing means for the actuation of the rocker.

1,482,330. INDOOR GOLF GAME. LINNIE B. TREDOUL, New York, N. Y. Filed May 7, 1921. Serial No. 467,753. 2 Claims. (Cl. 46—63.)



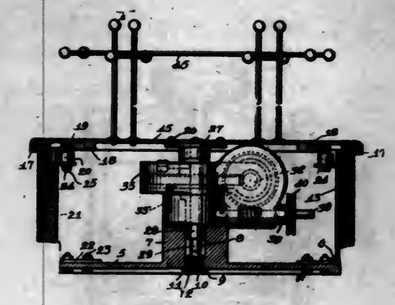
2. In a device of the class described, a chart representing a golf course and having the tees and holes connected by a plurality of differently colored lines each having a plurality of circles representing the "lie" of the ball at each stroke, and certain of said circles having crosses indicating hazards.

1,482,331. AUTOMATIC ELEVATOR BRAKE. JOHN VANSLETT, San Francisco, Calif., assignor of twenty-five per cent to Glenn L. Waring, Alameda, Calif. Filed July 26, 1922. Serial No. 577,596. 1 Claim. (Cl. 187—82.)



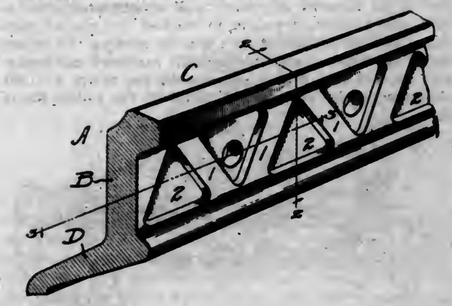
In an elevator brake, the combination with an elevator cage, of parallel guides therefor, ratchets mounted on said guides, cables adapted to control the movement of said cage, a downwardly tapering wedge secured to said cable, an elliptical spring mounted between said wedge and said cage for the purpose of moving said wedge with respect to said cage, bolts mounted on said cage and extending in opposite directions toward said ratchets, a shoulder formed on each of said bolts, and a spring interposed between said shoulder and said cage for the purpose of maintaining said bolts in contact with said wedge, substantially as and for the purpose specified.

1,482,332. DISPLAY DEVICE. FRANK WEBBB, Jersey City, N. J. Filed Oct. 20, 1920. Serial No. 418,231. 1 Claim. (Cl. 74—7.)



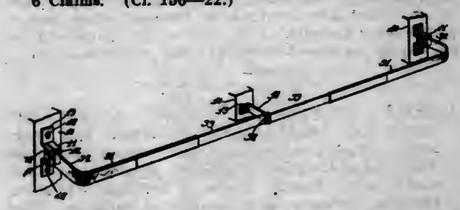
A device of the character described comprising a main housing having a centrally arranged stud perforated to receive a shaft, a shaft mounted in said perforation, a gear carried by said shaft and occupying a horizontal plane, a second shaft mounted at right angles to the first-mentioned shaft, a worm gear carried by said second-mentioned shaft and meshing with the first-mentioned gear, a worm wheel carried by said second-mentioned shaft, a worm gear meshing with said worm wheel, a shaft carrying said worm gear, a plurality of housings for housing each of said gears, said housings comprising an integral structure surrounding the first-mentioned gear, and means for securing said housings to the upper end of the centrally-disposed stud of the first-mentioned housing.

1,482,333. RAIL JOINT WITH LIGHTENED WEB. BENJAMIN WOLHAUPTER, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed July 9, 1923. Serial No. 650,452. 8 Claims. (Cl. 238—243.)



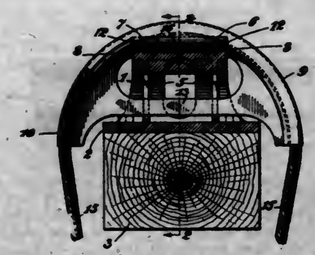
1. A rolled rail joint bar including a web having subnormal displacements of metal producing inclined trussing ribs extending from the head to the foot of the bar.

1,482,334. CURTAIN-ROD FIXTURE. HARRY O. WOLFF, Chicago, Ill. Filed July 17, 1922. Serial No. 575,469. 6 Claims. (Cl. 156—22.)



4. In a supporting structure for double curtains, an intermediate curtain rod supporting bracket consisting of an L-shaped member adapted to be secured at one of its ends to an upright support and having near its other end two pairs of side by side transversely arranged aligned slots, the slots of each pair being open at their outer ends and spaced at their inner ends by a portion of said member to receive and engage the ends of curtain rods on either side of the bracket, said rod ends each having an open ended slot terminating in an enlargement for the reception of the portion which divides said aligned slot of the bracket.

1,482,335. GRIP HANGER. ALBERT P. WORTHINGTON, Los Angeles, Calif. Filed Dec. 4, 1922. Serial No. 604,973. 3 Claims. (Cl. 74—5.)

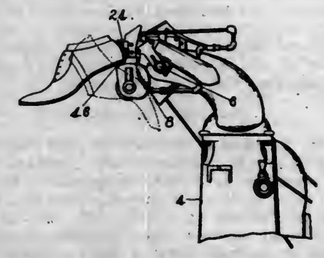


1. In a device of the character described, in combination, a frame adapted to rest upon a walking beam, a cable supporting member pivotally mounted on said frame, a bearing surface on said member engaging with a bearing surface on said frame, and interlocking recesses and flanges on said frame and member preventing relative lateral displacement of said frame and member.

1,482,336. METHOD OF MAKING RUBBERIZED FIBER COMPOSITION. BURT H. YACKER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 16, 1922. Serial No. 588,713. 10 Claims. (Cl. 106—23.)

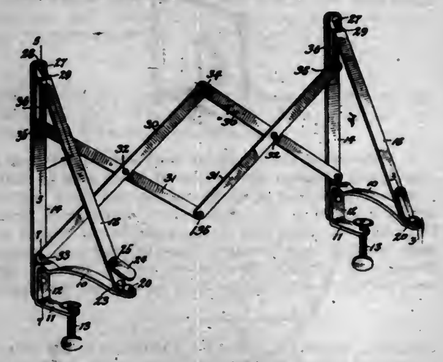
10. The method of treating fibers which comprises, beating them in water, removing them from the water, displacing the water in the fibers with a liquid miscible with water and toluol, and displacing the liquid with a mixture of toluol and alcohol.

1,482,337. SHOE-SHAPING MACHINE. HARRY L. YEATON, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 5, 1919. Serial No. 308,703. 16 Claims. (Cl. 12—51.)



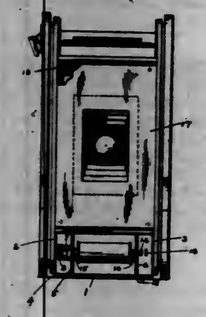
1. A machine of the class described having a main frame, a rotary beater, and a reciprocating beater confined to movement in a horizontal plane, said beaters being mounted side by side on said frame.

1,482,338. LUGGAGE CARRIER. JOHN ZILLIOX, Orchard Park, N. Y. Filed Dec. 21, 1921. Serial No. 523,981. 4 Claims. (Cl. 224—29.)



1. A luggage carrier comprising a horizontal base, a standard connected at its lower end with one end of said base and provided at its upper end with a button having a reduced neck and an enlarged head, and a brace detachably connected at its lower end with the opposite end of said base and provided at its upper end with a curved lip which engages its convex side with said standard and which has a longitudinal slot receiving the neck of said button.

1,482,339. CAMERA ATTACHMENT. JULES ABELES, Rochester, N. Y. Filed Mar. 31, 1923. Serial No. 629,135. 2 Claims. (Cl. 242—71.)

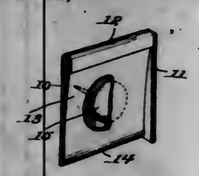


1. A camera attachment comprising a trough adapted to be mounted in the film pocket of a camera, a pair of discs mounted transversely in said trough so as to engage the ends of a film spool, yielding means to normally force one of said discs toward the middle of said trough from one end thereof, adjustable means adapted to hold the other of said discs in a predetermined position in said trough near the other end thereof.

1,482,340. RUBBER COMPOSITION AND PROCESS OF MAKING SAME. GEORGE WILSON ACHESON, Newark, N. J., assignor to Acheson Corporation, New York, N. Y., a Corporation of Delaware. Filed July 15, 1920. Serial No. 396,462. 3 Claims. (Cl. 106—23.)

1. Process of making a rubber composition, comprising subjecting an inorganic solid in paste form to attrition in presence of an organic deflocculating agent, and incorporating the product with rubber.

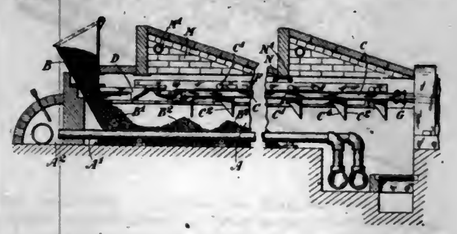
1,482,341. CARD HOLDER. OSCAR ARNOLD, Woodridge, N. J. Filed May 11, 1923. Serial No. 638,337. 3 Claims. (Cl. 40—11.)



3. A device of the character described formed from a single piece of metal bent intermediate its ends to define a main portion and a spring tongue, the main portion having a flange at one edge and an overhanging flange at an adjacent edge, said tongue being bowed toward the main portion and engaged beneath the overhanging flange, and a beaded fastener projecting through said main portion and having its head engaged by the tongue.

1,482,342. RABBLE FOR LOW-TEMPERATURE COAL-DISTILLATION PURPOSES. EDWARD BARRS, London, England. Filed Dec. 19, 1921. Serial No. 523,456. 12 Claims. (Cl. 198—224.)

1. The combination with a reciprocatory rabble comprising a frame, scrapers depending therefrom, and a plurality of supporting rollers mounted laterally on the frame, of a pair of fixed upper tracks for the rollers, a pair of fixed lower tracks for the rollers, which upper tracks are so shaped and each so arranged in relation to its corresponding lower track that at a point traversed by the rollers towards the end of their rearward movement the rollers can travel off their upper tracks on to the lower, a plurality of ramps, one for each roller, each rising from a lower track towards the corresponding upper track at a point traversed by a roller towards the end of its forward movement, and shunt-plates, one for each upper track, arranged to connect the top of each ramp with its alloted upper track for guiding the rollers on to the upper tracks during their rearward movement, and slidable into a position wherein the ramps are left unobstructed for the upward travel of the rollers on to them.



9. A rabble comprising in combination a supporting frame having laterally-disposed rollers for running on tracks, a plurality of transverse scrapers depending one behind another from said frame, a plurality of downwardly-directed raking-fingers mounted on the rear end of the frame and arranged at different levels, and a pack-breaker mounted on the rear of the frame and extending to the rear further than said raking-fingers.

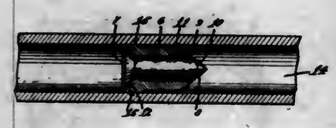
1,482,343. PROCESS OF MAKING α-ALKYLATED ACIDS AND DERIVATIVES THEREOF. MAX BOCKMÜHL, Hochst-on-the-Main, and ADOLF SCHWARZ, Frankfort-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 14, 1922. Serial No. 581,887. 4 Claims. (Cl. 260—124.)

1. The process of producing α-alkylated acids and derivatives thereof which consists in causing heavy metals to react upon mixtures of halogen compounds of the general formula

$$\begin{matrix} R \\ R \end{matrix}\!\!>\!CHlg—R'$$

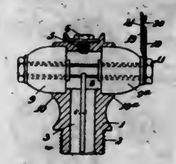
wherein R may be an alkyl residue and R' a carboxyl-carbonic acid-amide-, or a cyan-residue, and Hlg stands for halogen—with alkyl halides and transforming the carbonic acids, esters and nitriles thus obtained into the amides.

1,482,344. BULLET. ROY A. BRIGGS, Malone, N. Y. Filed Nov. 2, 1922. Serial No. 598,561. 4 Claims. (Cl. 102—28.)



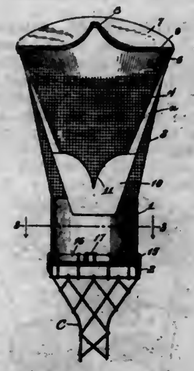
2. A bullet comprising a core having a frusto-conical head at one end, a sleeve upon the core, and a body extending around the sleeve and the core and engaging the head, the base portion of the body being expansible by the head when subjected to gas pressure, the exposed face of the head of the core being flat and extended radially beyond the head receiving opening in the body.

1,482,345. SPARKING PLUG FOR INTERNAL-COMBUSTION ENGINES. ALBERT GEORGE BROWN, London, England, assignor to The Brown Pistol Sparking Plug Limited, London, England, a British Company. Filed Nov. 29, 1920. Serial No. 427,258. 1 Claim. (Cl. 123—169.)



A sparking-plug for internal combustion engines comprising a tubular casing adapted to be mounted outside the cylinder, a transverse passage traversing the top of the casing, a hollow insulated electrode mounted in and along the transverse passage so that part of its outer wall is freely accessible to the motive gases and its inner wall is adapted to be swept by a current of air passing straight through the electrode, and earthed electrodes adjustably mounted in proximity to the exterior of the insulated electrode.

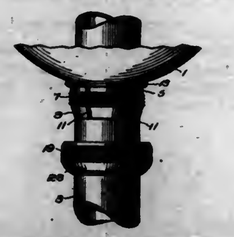
1,482,346. FRUIT GATHERER. BENJAMIN BURGESS Danville, Ill. Filed Apr. 11, 1923. Serial No. 631,429 6 Claims. (Cl. 56—334.)



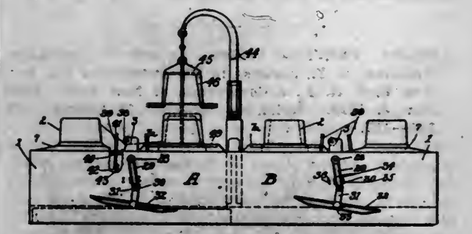
2. A fruit gatherer comprising a hood consisting of a bottom sleeve, a perforated wall extending a material distance around the sleeve, an end portion of the wall being secured to the sleeve, strips connected to the end marginal portions of said wall, a top member secured to the upper portions of the wall and the strips, said top member at a point between the strips being provided with a slot, and a plate connected to and bridging the space between the lower portions of the strips, said plate being provided with a slot, each of said slots being substantially V-shaped.

1,482,347. FIXTURE CANOPY. GEORGE W. CONNER, Roslindale, Mass. Filed Mar. 21, 1922. Serial No. 545,534. 2 Claims. (Cl. 240—87.)

1. The combination with a fixture canopy of sheet material and provided with an opening for receiving a fixture pipe, of a sleeve member having a flange abutting the exterior of said canopy about the edges of said opening and a portion entering said opening and engaging the interior of said canopy about the edges of said opening, said sleeve being of internal diameter to fit said fixture pipe and having an extended portion forwardly of said flange, said extended portion being provided with a screw thread intermediate its length and with an exterior taper at its end forwardly of said screw threads, said extended portion being further provided with longitudinal slots substantially throughout its length, and a nut having screw threads for engaging the screw threads of said sleeve and a portion for engaging the tapered portion of said sleeve, whereby when the canopy is placed on said fixture pipe and the nut is screwed on the sleeve said nut will bind said sleeve to said fixture pipe.

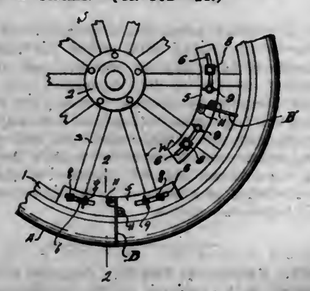


1,482,348. WIRE-DRAWING MACHINE. FRED B. CROSBY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1920. Serial No. 401,840. 17 Claims. (Cl. 205—16.)



1. A wire drawing unit comprising a bench, a pair of blocks mounted on the top of said bench, a die located between said blocks, a separate source of power located within said bench, and means for selectively connecting said blocks to said source of power to draw wire through said die in either direction.

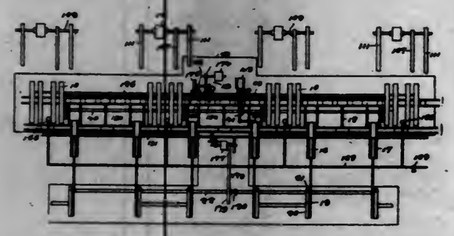
1,482,349. NONSLIPPING ATTACHMENT. DEE CROSS, Houston, Ark. Filed Jan. 13, 1923. Serial No. 612,400. 2 Claims. (Cl. 301—44.)



1. An attachment for a spoked wheel comprising a connecting plate adapted to be positioned to one side of the felly of the wheel and of a length to bridge the space between a pair of adjacent spokes, the opposite ends of the plate being provided with longitudinally disposed slots, clamping means extending through each

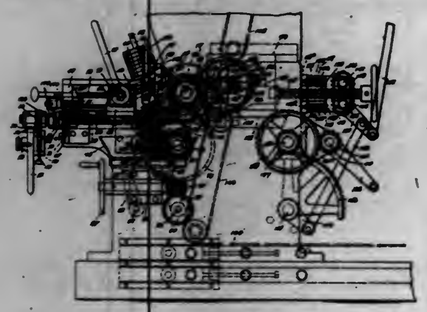
of the slots and in engagement with the adjacent spoke, and a blade extending outwardly from the plate at a point between the slots, said blade being arranged to one side of the plate with the faces thereof substantially perpendicular to the adjacent face of the plate.

1,482,350. MACHINE FOR SAWING AND PUNCHING RAILS. JAMES S. DAYTON, Cumberland, Md. Filed May 14, 1920, Serial No. 381,388. Renewed Oct. 30, 1923. 48 Claims. (Cl. 164—90.)



1. In a machine of the class described, dies and means for mounting the dies, punches and mounting means therefor, feeding means, and means for automatically raising the die mounting means by the return of the feeding means to normal position.

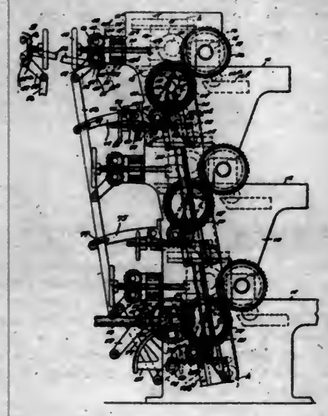
1,482,351. PRINTING PRESS. CHARLES F. DAUSMANN, Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 3, 1919. Serial No. 335,420. 18 Claims. (Cl. 101—157.)



1. In a printing press, the combination of a printing cylinder, an impression roll, means for simultaneously and selectively adjusting the opposite ends of the printing cylinder relative to the impression roll, means for adjusting the pressure relation between the printing cylinder and the impression roll, means normally tending to quickly separate the cylinder and roll, and quick acting releasing means operable counter to said last means for holding the cylinder and roll together in their adjusted pressure relation and adapted to be operated for releasing said separating means.

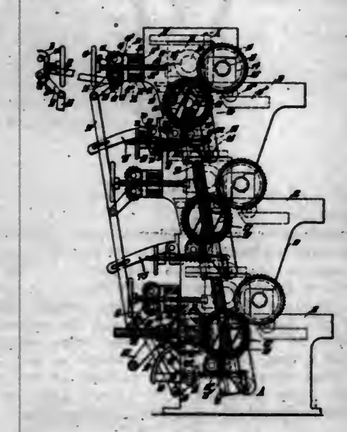
1,482,352. PRINTING PRESS. CHARLES F. DAUSMANN, Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 6, 1919, Serial No. 315,603. Renewed Feb. 7, 1921. Serial No. 443,226. 18 Claims. (Cl. 101—181.)

3. In a multicolor press, spaced sets of print and impression rollers, a movable blanket supported between the spaced printing sets and having a part thereof disposed in juxtaposition to the web extending between the printing sets, means acting upon the blanket to engage



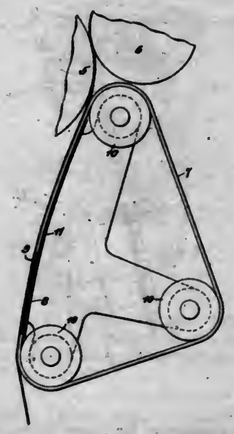
the same with the unprinted side of the web whereby the web is placed under tension, and means for moving the blanket.

1,482,353. PRINTING PRESS. CHARLES F. DAUSMANN, Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Original application filed Aug. 6, 1919, Serial No. 315,603. Renewed Feb. 7, 1921, Serial No. 443,226. Divided and this application filed Feb. 28, 1920, Serial No. 362,080. Renewed Nov. 17, 1921. Serial No. 515,973. 11 Claims. (Cl. 101—184.)



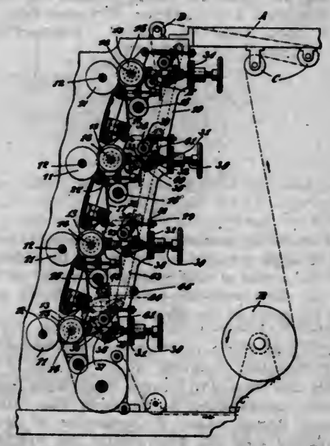
1. In a multicolor press, a plurality of print and impression rollers, manually adjustable means for urging the impression rollers out of engagement with the print rollers, means acting against said manually adjustable means for advancing the impression rollers against said print rollers, blankets normally urged into the line of the passes of said print and impression rollers, and operating means connected to all of said advancing means and to said blankets, whereby said impression rollers may be operated simultaneously and equally toward and from the print rollers and said blankets may be operated simultaneously and equally therewith into and out of line with the said passes of the rollers.

1,482,354. ART OF PRINTING. CHARLES F. DAUSMANN, Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 17, 1922. Serial No. 529,812. 10 Claims. (Cl. 101—248.)



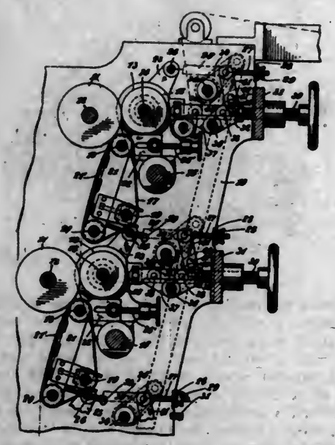
1. In the art of printing, maintaining registration of a web with a printing surface by subjecting the web to the influence of static electricity, and confining the effective action of such static electrical influence to lines at right angles to the line of feeding movement of the web whereby the web is held against lateral deviation from the line of feed.

1,482,355. PRINTING PRESS. CHARLES F. DAUSMANN Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,527. 3 Claims. (Cl. 101—181.)



1. In combination with a printing press having a plurality of vertically spaced printing couples, each consisting of a printing cylinder and an impression roller, means arranged in the spaces between the printing couples for producing electrostatic charges acting by their attractive influence over substantially the entire area of the sections of paper web extending between the printing couples to maintain register of the web with the printing cylinders, and means operable to withdraw the impression rollers from their operative positions in relation to the printing cylinders and to simultaneously relieve the web from the attractive influence of the electrostatic charges.

1,482,356. WEB-PRINTING PRESS. CHARLES F. DAUSMANN, Brooklyn, N. Y., assignor to The Prismatone Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 10, 1922. Serial No. 535,607. 9 Claims. (Cl. 101—181.)



1. In combination with a printing press having a plurality of spaced printing units, each including an element having movably supported bearings, a web registering device arranged in each of the spaces between the spaced printing units, means supporting the web registering devices between and upon the movable bearings of the adjacent printing units for movement as a unit with said bearings, and a manually operable throw-off mechanism connected to said bearings.

1,482,357. CASTING SYNTHETIC RESIN. CARLETON ELLIS, Montclair, N. J. Filed Sept. 26, 1922. Serial No. 590,672. 4 Claims. (Cl. 18—47.5.)

4. The process which comprises reacting on urea with formaldehyde in the presence of a basic catalyst, neutralizing and acidifying and pouring the solution into molds to solidify.

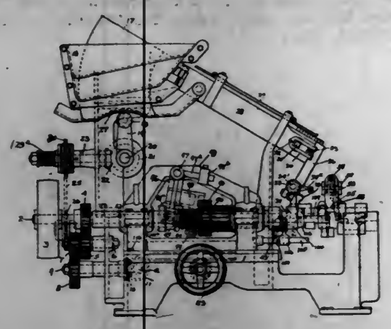
1,482,358. CASTING CONTAINING SYNTHETIC RESIN AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J. Filed Sept. 29, 1922. Serial No. 591,262. 5 Claims. (Cl. 18—47.5.)

3. The process of making a cast article which comprises reacting on urea with paraform in the presence of an aqueous alkaline solution just sufficient in amount to bring about reaction between urea and paraform to form the methylol urea, acidifying with a strong acid and pouring the composition into molds to permit it to set.

1,482,359. BOLT MACHINE. MICHAEL J. RILEY, East Cleveland, Ohio. Filed Aug. 2, 1920. Serial No. 400,705. 63 Claims. (Cl. 10—89.)

4. In a bolt threading machine, a drive shaft, a cam shaft driven thereby, a hopper for receiving bolt blanks, a chute leading the blanks from the hopper, a lock at the outlet of the chute, a transfer arm opening the locks and releasing a single blank, and receiving the released blank, means for causing the transfer arm to remove the

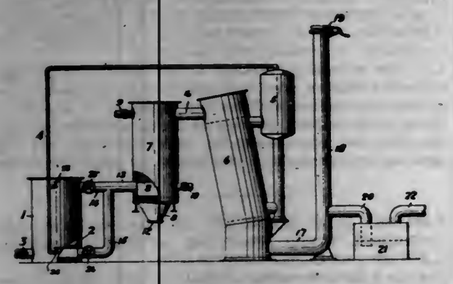
blank from the chute outlet, a pair of jaws for holding the blank, means for operating the jaws to grasp and release the blank, a spindle rotated from the drive shaft a cutting head on the spindle, means for reciprocating the spindle from the blank, means for closing the cutting head during its retracting movement, means for opening the cutting head after it has cut threads on the blank, and means for actuating the opening means.



5. Means for holding a blank comprising a stationary jaw member, a movable jaw member, a block reciprocating in guide ways and carrying the movable jaw member at one end, a beveled surface at the other end of the block, a tapered wedge engaging the beveled surface, a second block having a beveled surface engaging the tapered wedge, a spring carried by the second block pressing the wedge between the blocks, a roller on the second block, and a cam engaging the roller to normally cause the blocks to reciprocate to operate the jaws.

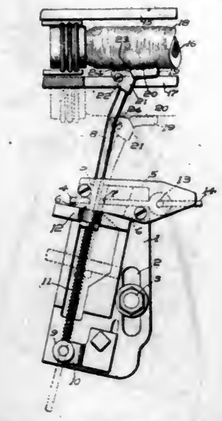
50. Bolt threading mechanism comprising a bed, a blank holder stationary on the bed, a head adjustable toward and from the blank holder, a spindle in the head a cutting head on the spindle, a gear on the spindle a drive shaft on the bed, a gear adjustable along the drive shaft to engage the gear on the spindle throughout its reciprocation and rotate the spindle, a cam shaft on the bed and driven from the drive shaft, means carried by the adjustable head to reciprocate the spindle in the head toward and from the blank holder, a cam adjustable on the cam shaft to operate the spindle reciprocating means, and means to hold the adjustable parts in their adjusted positions.

1,482,360. SELF-STEAMING BLUE-GAS PLANT. JOHN M. RUSBY, Philadelphia, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 2, 1916. Serial No. 101,228. 1 Claim. (Cl. 48—78.)



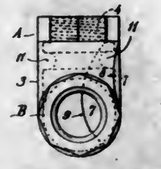
A self-steaming blue gas plant comprising the combination of a generator, a boiler, an igniter interposed between the boiler and generator, and air inlet connections at the inlet and outlet ends of the igniter.

1,482,361. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 5, 1922. Serial No. 558,741. 2 Claims. (Cl. 139—287.)



1. A feeler mechanism for looms having a side slipping feeler which is provided with a main feeler tip having teeth which normally engage the filling in the shuttle on a detecting beat, and an auxiliary tip having teeth which engage the filling on a detecting beat only in case the main feeler tip fails to hold the feeler from said-slipping movement as the lay beats up, means for securing the auxiliary tip in fixed adjusted position relative to the main feeler tip that the teeth of the two tips may extend variable distances rearwardly and means for effecting replenishment of filling when neither feeler tip holds the feeler from slipping longitudinally along the filling carrier on a detecting beat.

1,482,362. ELBOW FOR WIRING CONDUITS. JOSEPH A. VOLK, Jr., Norwalk, Conn., assignor to The Veco Mfg. Company, a Corporation of Connecticut. Filed Aug. 1, 1922, Serial No. 578,974. Renewed Dec. 18, 1923. 7 Claims. (Cl. 247—31.)

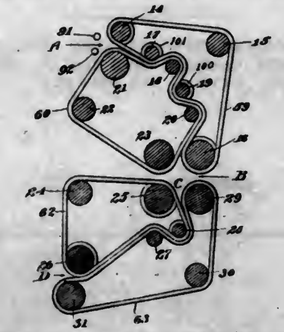


1. An elbow for connecting wiring-conduits having an opening through its side for access to its interior, the plane of the mouth of said opening beginning on the outside of the elbow near the bend and inclining inwardly towards the point of the elbow.

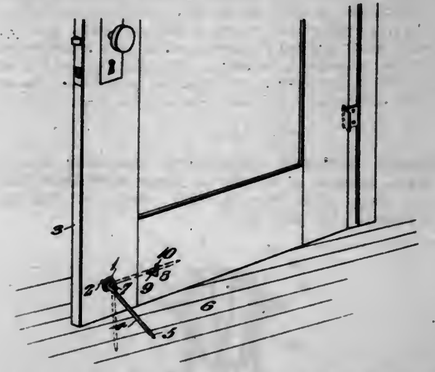
1,482,363. LEATHER-TEMPERING MACHINE. WALLACE C. WRIGHT, Brookfield, N. H., WILLIAM J. YOUNG, Peabody, and GEORGE B. GROVER, Lynn, Mass., assignors, by mesne assignments, to American Shoe Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed July 30, 1919, Serial No. 314,378. Renewed June 26, 1923. 8 Claims. (Cl. 91—17.)

1. A sole flexing machine having, in combination, two endless belts between which the soles are supported, breaker rolls over which the belts pass to flex the soles, and means for holding the belts in operative relation to, but out of engagement with, each other at predetermined parallel portions.

6. A sole flexing machine having, in combination, two endless belts defining a tortuous path along which the sole is carried in the tempering process, a receiving throat at the beginning of said tortuous path, a table, a magazine mounted thereon and including an endless conveyor belt for feeding the soles from the magazine, means for driving said endless conveyor belt and said two endless belts at substantially equal surface speeds, and tempering fluid spraying means located between the endless conveyor belt and said receiving throat.

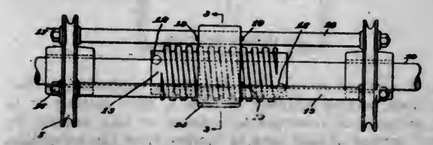


1,482,364. DOORCHECK. EDGAR E. YOUNG, Philadelphia, Pa.; Alice S. Young, Philip J. Mitchell, and The Pennsylvania Company executors of said Edgar E. Young, deceased. Filed Sept. 8, 1921. Serial No. 499,271. 2 Claims. (Cl. 292—338.)



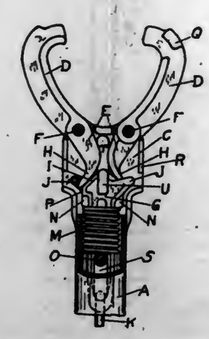
1. In a door check, an eye, a screw threaded shank carrying the same, a freely pivotal leg on said eye, and a ledge, a screw threaded shank carrying the latter, said shanks providing means for connecting the said leg and ledge independently of each other on a door, and adjusting them separably on the latter.

1,482,365. AUTOMATIC EQUALIZER FOR BRICK-SETTING CRANES. JULIUS H. BACH, Chicago, Ill., assignor to American Equipment Company, Chicago, Ill., a Corporation of Ohio. Filed Nov. 1, 1920. Serial No. 420,940. 1 Claim. (Cl. 242—158.)



In an equalising attachment for brick setting cranes and the like, the combination of a non-rotatable shaft, a worm rigidly mounted thereon, a frame including a plurality of sheaves rotatably and slidably mounted on said shaft, a nut carried by said frame and associated with said worm, whereby, when the sheaves are rotated, the frame will be moved longitudinally of said worm.

1,482,366. ANIMAL-LEADING DEVICE. ALBERT H. NELLER, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a Corporation of Iowa. Filed July 14, 1922. Serial No. 575,071. 10 Claims. (Cl. 119—154.)



1. In an animal leading device, an elongated tubular staff, a pair of mating castings secured to one end of the staff on opposite sides thereof, a pair of co-acting grappling hooks pivoted on opposite edges of and within said castings; a handle secured to the opposite end of the tubular staff, a longitudinally movable member within said tubular staff having one end extended to the handle on the staff, and the other end connected to the grappling hooks and adapted to be rapidly moved in opposite directions to alternately open and close said hooks and means to normally hold said member in the position it assumes when the hooks are in closed position, substantially as set forth.

1,482,367. PRODUCTION OF CARBON DIOXIDE. HARVEY G. ELLEDGE, Bethel Township, near Pittsburgh, Pa. Filed Dec. 28, 1922. Serial No. 609,513. 14 Claims. (Cl. 23—5.)

1. A composition for the production of carbon dioxide comprising an alkali-metal bicarbonate and a neutral calcium salt.

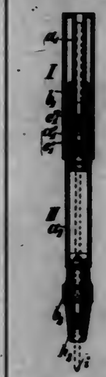
1,482,368. OPERATION OF FIRE EXTINGUISHERS, ETC. HARVEY G. ELLEDGE, Bethel Township, near Pittsburgh, Pa. Filed Dec. 28, 1922. Serial No. 609,512. 6 Claims. (Cl. 23—5.)

1. The improvement in the operation of fire extinguishers which comprises supplying to the fire extinguisher sodium bicarbonate and calcium chloride and causing the same to react in the presence of the water in the extinguisher.

1,482,369. PROTECTING DEVICE FOR TWIST DRILLS. JOHANN KRUSCHITZKI, Breslau, Germany. Filed Jan. 30, 1922. Serial No. 532,825. 2 Claims. (Cl. 77—55.)

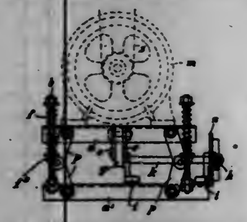
1. An improved device for protecting twist drills against breaking designed to be inserted with the drill into the boring machine comprising in combination two not slitted tubular parts adapted to be screwed together, an inner conical surface with adjacent enlargement in each tubular part, clamping sleeves for holding the drill accommodated and well protected in the hollow space formed by said enlargement of the two tubular

parts, conically tapered slit ends of said clamping sleeves acted upon by said conical surfaces of the tubu-



lar parts when said tubular parts are being screwed together so that the drill is clamped and a rigid element independent of the boring machine is formed.

1,482,370. MOTOR BELT-TENSIONING APPLIANCE. PAUL SPILGER, Frankfort-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 496,609. 3 Claims. (Cl. 64—52.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



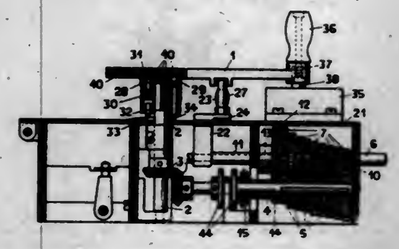
2. An improved support for a motor to maintain a proper tension in a motor driving belt, arranged vertically or nearly so, and for releasing the belt from tension when not in operation comprising in combination an upper and a lower base member, screwed bolts for connecting said members, springs on said bolts for carrying the upper base, and links connecting the upper and lower base members to prevent the motor from tilting under the effect of the one-sided belt pull, and a lever and weight for operating the device for tensioning the belt.

1,482,371. SAFETY RAZOR AND STROPPER. LAWRIE L. WITTER, Hartford, Conn. Filed Dec. 12, 1922. Serial No. 606,380. 21 Claims. (Cl. 30—12.)



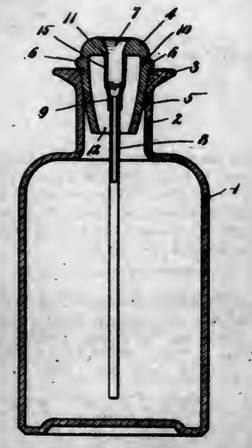
1. A blade holder comprising a relatively thin flexible plate adapted to engage one side of a safety razor blade, means cooperating with the plate and adapted to engage the opposite side of the blade to hold the blade clamped therebetween, and means at the ends of the holder for supporting the same for pivotal movement about the central longitudinal axis of the blade held therein, the plate with a blade held thereby being adapted to bodily flex to the shape of the razor clamping surface therefor.

1,482,372. CALCULATING MACHINE. TOBIAS BÄUERLE, Schwarzwald, Germany. Filed Jan. 25, 1923. Serial No. 614,832. 6 Claims. (Cl. 235—75.)



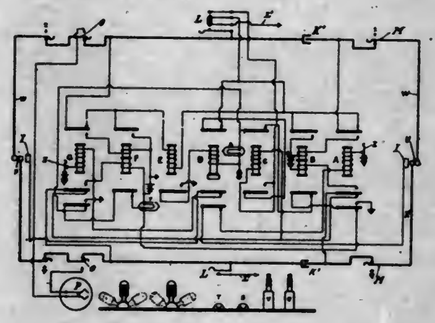
6. Calculating machine of the Thomas type, comprising a driving shaft and a radially displaceable driving crank, means for resiliently fixing said crank in several radial positions, a spring actuated locking pin connected with said crank serving for locking it on its driving shaft during rotation, but releasing it after each rotation, an intermediate shaft positively connected with said crank so as to be shifted axially when said crank is displaced radially, a plurality of gear wheels of different diameters on said intermediate shaft, means for selectively coupling said wheels with said shaft, a transmission shaft and gear wheels fixed to said transmission shaft and meshing permanently with the gear wheels on said intermediate shaft, and counting mechanism in operative connection with said transmission shaft.

1,482,373. STOPPER. WILLIAM M. LATREMORE, Boston, Mass., assignor of one-half to James H. Wallace, Boston, Mass. Filed Mar. 16, 1922. Serial No. 544,078. 2 Claims. (Cl. 215—52.)



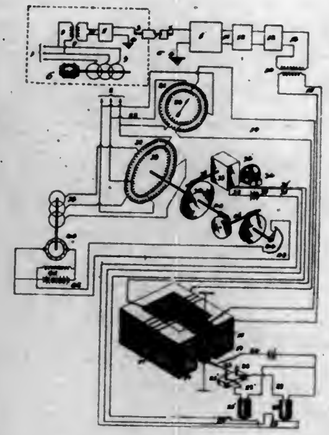
1. A stopper of the kind described, comprising a hollow neck portion adapted to form a tight closing fit in the entrance of a receptacle, a flange or ring around the upper portion of said neck to further close the receptacle, a top portion having therein a depression adapted to receive a pen to be filled, a resilient non-injurious sac for the reception of the point of the pen to be filled, a downwardly extending tube secured to said sac, and air receiving or discharging means in said stopper to compensate automatically for the withdrawal or replacement of ink in said receptacle.

1,482,374. CORD CIRCUIT. ARTHUR J. SEYMOUR, St. Paul, Minn., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 13, 1919, Serial No. 270,799. Renewed Nov. 4, 1922. Serial No. 599,150. 16 Claims. (Cl. 179—42.)



1. In a telephone system, the combination with called and calling subscribers' lines, a central exchange in connection with certain of said lines and a current source at said exchange; of a cord circuit including calling and answering plugs for interconnecting said lines, a current supply, means including a circuit responsive to connection of said answering plug with a subscriber's line for conecting said current supply across said cord circuit and means in said cord circuit operated by the connection of said calling plug with a certain one of said lines for simultaneously cutting off the current supply across said cord circuit and cutting in the current source from said central exchange.

1,482,375. MEANS FOR EFFECTING PHASE ADJUSTMENT OF ELECTRICAL SYSTEMS. FREDERICK EUGENE PERNOT, London, England, and LESTER JACOB RICH, The Eastern Telegraph Company Limited, Malta. Filed Feb. 15, 1923. Serial No. 619,261. 3 Claims. (Cl. 172—293.)



1. The combination with a plurality of sources of alternating E. M. F. of which at least one is controlled by another and is dependent thereon, of means for maintaining synchronism and controlling the relative phase position of the E. M. Fs. which comprises, an alternating current galvanometer, having a field winding energized by the dependent source and a coil energized by the controlling source, a phase shifting transformer connected between the dependent source and the galvanometer field winding, and means whereby said galvanometer controls the phase shifting effect of said transformer.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Bobsleds. 177,864; Jan. 1; Serial No. 181,580; published Oct. 16, 1923.

Abrasive Company, Bridesburg, Philadelphia, Pa. Abrasive material for impregnating cement and composition floors, etc. 177,940; Jan. 1; Serial No. 165,978; published Oct. 16, 1923.

Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Chemical and pharmaceutical preparations. 24,418; renewed Mar. 27, 1924.

Ajello, Michele, Co. Inc., Brooklyn, N. Y. Canned olive oil. 178,009; Jan. 1; Serial No. 179,448; published Oct. 16, 1923.

Ambrite Products Company, Centralia, Wash. Cleaning and polishing compound for automobiles, etc. 177,918; Jan. 1; Serial No. 182,530; published Oct. 16, 1923.

American Auto Accessories Stores, Wilkes-Barre, Pa. Rubber and fabric tires and tubes for vehicles. 177,985; Jan. 1; Serial No. 179,579; published Oct. 2, 1923.

American Mills Company, Atlanta, Ga. Wrapping twine. 177,920; Jan. 1; Serial No. 184,808; published Oct. 16, 1923.

American Narrow Fabric Company, Worcester, Mass. Hose supporters. 178,029; Jan. 1.

American Steel & Wire Company of New Jersey, The. (See Washburn & Moen Manfg. Company, assignors.)

American Wholesale Corporation, Baltimore and Cumberland, Md. Pyjamas and nightshirts. 177,962; Jan. 1; Serial No. 128,994; published Oct. 16, 1923.

Amertex Mills, Inc., The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, etc. 177,957; Jan. 1; Serial No. 160,852; published Aug. 14, 1923.

Anderson Hosiery Mills, Anderson, S. C. Hosiery. 177,935; Jan. 1; Serial No. 184,155; published Oct. 16, 1923.

Apoth, Strehler & Co., Munich, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Remedies for throat diseases. 24,013; renewed Jan. 9, 1924.

Atkins, E. C., & Company, Indianapolis, Ind. Rubber belting. 177,865; Jan. 1; Serial No. 180,577; published Oct. 16, 1923.

Atkins, E. C., & Company, Indianapolis, Ind. Rubber belting. 177,866; Jan. 1; Serial No. 180,578; published Oct. 16, 1923.

Atlantic Overall & Shirt Co., Philadelphia, Pa. Overalls, trousers, and work shirts. 177,954; Jan. 1; Serial No. 173,992; published June 5, 1923.

Atlantic Varnish Works, Inc., Richmond, Va. Varnish. 178,045; Jan. 1.

Auto Specialties Manufacturing Co., San Francisco, Calif., and St. Joseph, Mich. Shock absorbers for automobiles. 177,944; Jan. 1; Serial No. 154,718; published Oct. 16, 1923.

Ball, Maxwell E., doing business as The Goitrex Company, Portland, Oreg. Proprietary medicine for goiter, swellings, etc. 177,884; Jan. 1; Serial No. 174,606; published May 29, 1923.

Bankers Discount Corporation, Astoria, Oreg. Canned salmon. 177,982; Jan. 1; Serial No. 180,828; published Oct. 16, 1923.

Barber, A. H., & Co., Chicago, Ill., and Plymouth and Dodgeville, Wis. Cheese. 178,017; Jan. 1.

Barden, Clifford A., Oberlin and Wakeman, Ohio. Seed corn. 177,859; Jan. 1; Serial No. 181,928; published Oct. 16, 1923.

Barley Motor Car Company, Kalamazoo, Mich. Taxicabs. 177,861; Jan. 1; Serial No. 182,123; published Oct. 16, 1923.

Barnsdall Refining Company, Tulsa, Okla. Motor fuel oil. 177,993; Jan. 1; Serial No. 153,234; published Oct. 16, 1923.

Batcheller, George C., & Co., New York, N. Y. Corset and bandeau brassières, etc. 178,028; Jan. 1.

Bates, C. J., & Son, Chester, Conn. Manicure files. 177,885; Jan. 1; Serial No. 175,294; published Oct. 16, 1923.

Baumgarten, Julius, & Söhne Vereinigte Papierwarenfabriken Kommanditgesellschaft. Letter papers and envelopes and crape paper. 177,872; Jan. 1; Serial No. 178,158; published Oct. 16, 1923.

Beck, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 177,875; Jan. 1; Serial No. 176,873; published Oct. 16, 1923.

Beck, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 177,876; Jan. 1; Serial No. 176,875; published Oct. 16, 1923.

Blachford Shoe Mfg. Co., Limited, Toronto, Canada. Boots and shoes. 178,027; Jan. 1.

Blum, Simon, Incorporated, New York, N. Y. Men's and boys' sheeplined coats and vests. 177,980; Jan. 1; Serial No. 180,415; published Oct. 16, 1923.

Boehringer, C. F., & Sohne, Waldhof, near Mannheim, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Lactyl derivatives of paraphenetidin. 24,643; renewed May 1, 1924.

Boyd, Abraham L., Sacramento, Calif. Candies and other sugar products. 177,888; Jan. 1; Serial No. 173,697; published Oct. 16, 1923.

Broadway Neckwear Co., The, New York, N. Y. Cravats. 178,037; Jan. 1.

Brown, Delane. (See Dugdale, George.)

Bryant, Ernest R., Boston, Mass. Friction tape and splicing compound. 177,923; Jan. 1; Serial No. 184,380; published Oct. 16, 1923.

Butler, J. W., Paper Co., The, Chicago, Ill. Envelopes and paper for making same. 177,978; Jan. 1; Serial No. 182,128; published Oct. 16, 1923.

Buttonlath Manufacturing Co., Los Angeles, Calif. Plaster wall board. 178,048; Jan. 1.

Butts & Miller Co. Inc., New York, N. Y. Egg and poultry cases. 177,909; Jan. 1; Serial No. 183,136; published Oct. 16, 1923.

C. R. Cigar Co. (See Campbell, J. O.)

California Toy Co. (See Frits, Charles.)

Callard & Bowser, assignor to Callard & Bowser, Ltd., London, England. Confectionery. 24,620; renewed May 1, 1924.

Callegari, John A., doing business as Callegari Products Co., Chicago, Ill. Malt extract and sirup. 177,852; Jan. 1; Serial No. 184,710; published Oct. 30, 1923.

Campbell, J. O., doing business as C. R. Cigar Co., Atlanta, Ga. Cigars, cigarettes, smoking and chewing tobacco. 177,964; Jan. 1; Serial No. 159,244; published Oct. 2, 1923.

Candy Sales Corporation, Brooklyn, N. Y. Chocolate-covered mints, chocolate-covered coconut cream bars, etc. 177,908; Jan. 1; Serial No. 183,361; published Oct. 16, 1923.

Chemical Foundation, Incorporated, The. (See Actien Gesellschaft für Anilin Fabrikation, assignor.)

Chemical Foundation, Incorporated, The. (See Apoth, Strehler & Co., assignor.)

Chemical Foundation, Incorporated, The. (See Boehringer, C. F., & Sohne, assignor.)

Chemical Foundation, Incorporated, The. (See Chemische Fabrik auf Actien, vormals E. Schering, assignor.)

Chemical Foundation, Incorporated, The. (See Dahl & Company, assignor.)

Chemical Foundation, Incorporated, The. (See Merck, Firm of E., assignor.)

Chemische Fabrik auf Actien, vormals E. Schering, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Antiseptics. 24,188; renewed Feb. 6, 1924.

Clair, Henry, Philadelphia, Pa. Men's shirts, collars, textile-fabric underwear, pyjamas. 178,042; Jan. 1.

Clark, Burkle & Co., Memphis, Tenn. Poultry feed. 178,021; Jan. 1.

Cohen, Joseph H., & Sons, New York, N. Y. Clothing for men. 177,974; Jan. 1; Serial No. 181,246; published Oct. 16, 1923.

Cola Gems Company, Jacksonville, Fla. Candy. 177,917; Jan. 1; Serial No. 182,332; published Oct. 16, 1923.

Colonial Works, Brooklyn, N. Y. Wall-paper size. 178,010; Jan. 1; Serial No. 179,586; published Oct. 16, 1923.

Columbia Tire Corporation, Portland, Oreg. Pneumatic and solid rubber tires for automobiles and rubber inner tubes for pneumatic tires. 177,856; Jan. 1; Serial No. 182,136; published Oct. 16, 1923.

Comeaux, Jeff. L., New Orleans, La. Liquid preparation for coloring and waterproofing automobile tops. 178,035; Jan. 1.

Consolidated Rendering Company, Boston, Mass. Poultry feed. 178,050; Jan. 1.

Cook Medical Co. (See Sylvester, Wilber.)

Corn Products Refining Company, New York, N. Y. Edible oil. 178,006; Jan. 1; Serial No. 180,272; published Oct. 16, 1923.

Corson Shoe Manufacturing Company, Ltd., Toronto, Ontario, Canada. Boots and shoes of leather. 177,891; Jan. 1; Serial No. 171,205; published July 3, 1923.

Corticelli Silk Company, The, Florence, Northampton, Mass. Hosiery. 177,924; Jan. 1; Serial No. 184,385; published Oct. 16, 1923.

Crane, Clarence A., doing business as Crane Chocolate Company, Cleveland, Ohio. Candy. 177,911; Jan. 1; Serial No. 183,023; published Oct. 16, 1923.

Crawford McGregor & Canby Company, The, Dayton, Ohio. Golf clubs. 177,907; Jan. 1; Serial No. 183,556; published Oct. 16, 1923.

Curtis, Emma E., Melrose, Mass. Semiliquid or viscous preparation for use as a frosting, icing, etc. 178,004; Jan. 1; Serial No. 180,753; published Oct. 16, 1923.

Dahl & Company, Barmen, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Medical compound for the cure of neuralgic and rheumatic complaints. 24,357; renewed Mar. 13, 1924.
Detroit Graphite Company, Detroit, Mich. Paint for dampproofing the unexposed surfaces of brickwork and stonework. 178,051; Jan. 1.
Dighton, Samuel E., Savannah, Ga. Medical preparations for colds and constipation. 178,013; Jan. 1; Serial No. 178,490; published July 10, 1923.
Dorr, Arthur E., & Co. Inc., Boston, Mass. Hams and bacons. 177,896; Jan. 1; Serial No. 159,852; published Oct. 16, 1923.
Dual-Use Company, Knoxville, Tenn. Combined letter sheet and advertising folder. 177,858; Jan. 1; Serial No. 182,503; published Oct. 16, 1923.
Dugdale, George, and doing business also as Delane Brown, Baltimore, Md. Shelled peanuts. 178,047; Jan. 1.
Duluth Paper and Stationery Co., Duluth, Minn. Crape, toilet, and wrapping paper, tablets, and notebooks. 177,862; Jan. 1; Serial No. 181,437; published Oct. 16, 1923.
Dunn, William G., doing business as Dunn Manufacturing Company, Clarinda, Iowa. Luggage-carrier attachment for footboards of automobiles. 178,031; Jan. 1.
Elband, Ernest A., New Braunfels, Tex. Cushion for vehicles. 177,863; Jan. 1; Serial No. 181,518; published Oct. 16, 1923.
Eglington, Ferdinand, Walsall, England. Bits, stirrups, spurs, buckles, and harness furniture. 178,002; Jan. 1; Serial No. 180,368; published Oct. 16, 1923.
Evans Self Sealing Can Co. Inc., Tacoma, Wash. Tin cans. 178,026; Jan. 1.
F. & I. Tobacco Products Company. (See Zook, Charles A. B.)
Faber, A. W., Stein, near Nuremberg, Germany. Lead pencils, pencil holders, colored pencils, chalk, etc. 177,941; Jan. 1; Serial No. 168,961; published Oct. 16, 1923.
Fair, The, Chicago, Ill. Writing paper and envelopes. 177,853; Jan. 1; Serial No. 182,793; published Oct. 16, 1923.
Fairbanks, Douglas, Los Angeles, Calif. Racket game. 177,902; Jan. 1; Serial No. 183,624; published Oct. 16, 1923.
Faultless Nightwear Corporation (E. Rosenfeld & Co.), Baltimore, Md. Textile nightshirts, nightgowns, and pyjamas and underwear. 178,041; Jan. 1.
Favorite Stove and Range Company, The, assignor to Favorite Stove & Range Co., Piqua, Ohio. Stoves and ranges. 23,886; renewed Nov. 28, 1923.
Fibre Container Company, Philadelphia and Manayunk, Pa. Shipping drums and containers. 178,032; Jan. 1.
Fig Dainties Co. (See Wilkins, Fred B.)
Fraser, Mary, Candies, Inc., doing business as Mary Fraser Candy Studio, Los Angeles, Calif. Candies. 178,014; Jan. 1; Serial No. 179,366; published Oct. 16, 1923.
Fritz, Charles, doing business as California Toy Co., Berkeley, Calif. Kites. 177,990; Jan. 1; Serial No. 185,013; published Oct. 16, 1923.
Gibson, Geo. R., & Co., New York, N. Y. Tooth, complexion, and hand brushes. 177,949; Jan. 1; Serial No. 184,496; published Oct. 16, 1923.
Gilbert, S. L., & Co. Inc., New York, N. Y. Knitted bathing suits, sweaters, jackets, and scarfs. 177,937; Jan. 1; Serial No. 184,241; published Oct. 16, 1923.
Gillette Rubber Company, Eau Claire, Wis. Raincoats. 177,879; Jan. 1; Serial No. 165,950; published Apr. 8, 1923.
Goitrex Company, The. (See Ball, Maxwell E.)
Goldie Fruittine Co. (See Weinstein, Goldie.)
Goldstein, Sam, doing business as Rex Cap Company, Chicago, Ill. Caps and soft hats. 178,030; Jan. 1.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Automobiles and motor trucks, etc. 177,942; Jan. 1; Serial No. 169,483; published Oct. 16, 1923.
Graham Bros. Soap Co., Chicago, Ill. Toilet soap. 178,024; Jan. 1.
Granite Cordage Company, Granite Falls and Hickory, N. C. Cords, twines, ropes, and lines. 177,986; Jan. 1; Serial No. 183,578; published Oct. 16, 1923.
Grant, W. T., Company, New York, N. Y. Children's underwaists. 178,049; Jan. 1.
Greasalt Products Corporation, New York, N. Y. Soaps and industrial cleaning compounds. 177,953; Jan. 1; Serial No. 176,826; published Oct. 2, 1923.
Great Northern Fur Dyeing and Dressing Company. (See Pierini, Attilio.)
Harrington & Watzag, New York, N. Y. Hosiery. 177,976; Jan. 1; Serial No. 181,277; published Oct. 16, 1923.
Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, sport suits, etc. 178,007; Jan. 1; Serial No. 179,724; published Oct. 16, 1923.
Heidelberg, Wolff & Co., New York, N. Y. Overcoats, smoking jackets, golf suits, etc. 178,008; Jan. 1; Serial No. 179,726; published Oct. 16, 1923.
Hillerich & Bradsby Co., Inc., Louisville, Ky. Baseball bats. 177,922; Jan. 1; Serial No. 184,728; published Oct. 16, 1923.
Hooven & Allison Company, The, Xenia, Ohio. Java hemp fiber rope. 177,897; Jan. 1; Serial No. 159,868; published Oct. 16, 1923.
Horlick's Malted Milk Company, Racine, Wis. Malted milk. 177,995; Jan. 1; Serial No. 181,526; published Oct. 16, 1923.
Inwood Fruit Growers Club, Inwood, W. Va. Fresh apples. 177,887; Jan. 1; Serial No. 172,333; published Oct. 16, 1923.
Jaeger-Kunnert Co., also doing business as H. W. Glasser Tobacco Products Co., Dubuque, Iowa. Smoking and chewing tobacco. 177,850; Jan. 1; Serial No. 185,021; published Oct. 23, 1923.
Jameson, James W., doing business as Jameson Oil Company, Los Angeles, Calif. Gasoline. 177,916; Jan. 1; Serial No. 181,996; published Oct. 16, 1923.
Jones, Elizabeth P., Inc., St. Louis, Mo. House and street dresses. 178,036; Jan. 1.
Julian Petroleum Corporation, Wilmington, Del., and Los Angeles, Calif. Gasoline, lubricating oils and greases. 177,925; Jan. 1; Serial No. 184,406; published Oct. 16, 1923.
Kanner, Samuel, doing business as Kanner Skirt Co., New York, N. Y. Skirts. 177,955; Jan. 1; Serial No. 174,662; published Oct. 16, 1923.
Katz, B., & Son, New York, N. Y. Shopping bags. 177,987; Jan. 1; Serial No. 185,467; published Oct. 16, 1923.
Kearns Coal Company, The, Cincinnati, Ohio. Coal. 177,857; Jan. 1; Serial No. 182,246; published Oct. 16, 1923.
Keedy, Pfaff & Co., Inc., Baltimore, Md. Knitted underwear, hosiery, and necktles. 177,969; Jan. 1; Serial No. 182,754; published Oct. 16, 1923.
Keet & Rountree Dry Goods Co., Springfield, Mo. Overalls, work shirts, jumpers, coats, and pants. 177,965; Jan. 1; Serial No. 182,975; published Oct. 16, 1923.
Kerlé, Harry M., New York, N. Y. Ladies' hats. 178,015; Jan. 1.
Kesting, Harry A., Kansas City, Mo. Pop corn. 177,971; Jan. 1; Serial No. 182,420; published Oct. 16, 1923.
Keystone Macaroni Manufacturing Company, Lebanon, Pa. Macaroni products. 177,996; Jan. 1; Serial No. 181,133; published Oct. 16, 1923.
Keystone Macaroni Manufacturing Company, Lebanon, Pa. Macaroni products. 177,998-9; Jan. 1; Serial Nos. 181,131-2; published Oct. 16, 1923.
Keystone Macaroni Manufacturing Company, Lebanon, Pa. Macaroni products. 178,001; Jan. 1; Serial No. 181,129; published Oct. 16, 1923.
Kops Bros., New York, N. Y. Corsets, brassières, and underwear. 177,932-3; Jan. 1; Serial Nos. 184,247-8; published Oct. 16, 1923.
Kopf Bros. Co., The, New Haven, Conn. Grapefruit. 177,948; Jan. 1; Serial No. 183,451; published Oct. 16, 1923.
Lewis Manufacturing Co., Bay City, Mich. Ready-cut houses and lumber. 178,039; Jan. 1.
Lijm-en-Gelatinefabriek-Delft, Delft, Netherlands. Gelatin used as a food or as ingredient of foods. 177,961; Jan. 1; Serial No. 173,332; published Oct. 16, 1923.
Lion Oil Company. (See Wirick, Carey G.)
Litewear Manufacturing Company, Montgomery, Ala. Men's and boys' underwear of textile materials. 177,956; Jan. 1; Serial No. 175,934; published Oct. 16, 1923.
Lomax, Frank B., doing business as Frank B. Lomax Co., Chicago, Ill. Beverage sold as a soft drink and syrups used in the preparation of same. 178,043; Jan. 1.
Lueders, George, assignor to George Lueders & Co., New York, N. Y. Oil of roses. 23,883; renewed Nov. 28, 1923.
McClure, J. W., Cleveland, Ohio. Weekly periodical magazine or pamphlet. 177,848; Jan. 1; Serial No. 180,482; published Sept. 18, 1923.
McCormick, J. S., Company, The, Pittsburgh, Pa. Core binder. 177,871; Jan. 1; Serial No. 179,810; published Oct. 16, 1923.
Madison, James, San Francisco, Calif. Canned fish. 177,880; Jan. 1; Serial No. 175,611; published Oct. 16, 1923.
Magnus, Joseph E., doing business as Puritan Malt Extract Co. (Not Inc.), Chicago, Ill. Malt extracts. 177,994; Jan. 1; Serial No. 150,363; published Oct. 16, 1923.
Mallinson, H. R., & Co. Inc., New York, N. Y. Clothing. 177,950; Jan. 1; Serial No. 176,085; published Oct. 16, 1923.
MalVas Malt Extract Company, Chicago, Ill. Malt extracts for food purposes. 178,003; Jan. 1; Serial No. 180,481; published Oct. 16, 1923.
Manhattan Rubber Mfg. Co., The, Passaic, N. J. Machinery belting. 178,033; Jan. 1.
Marshall Field & Company, Chicago, Ill. Hosiery. 177,975; Jan. 1; Serial No. 181,269; published Oct. 16, 1923.
May Hosiery Mills, Inc., Burlington, N. C. Hosiery. 177,981; Jan. 1; Serial No. 180,544; published Oct. 16, 1923.
Merck, The Firm of E., Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Medicinal agents. 24,093; renewed Jan. 23, 1924.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 177,997; Jan. 1; Serial No. 181,300; published Oct. 16, 1923.
Motor Wheel Corporation, Lansing, Mich. Wheels for automobile vehicles. 177,877; Jan. 1; Serial No. 177,191; published Oct. 16, 1923.
Mount Mansfield Maple Merchants. (See Pike, Frederick M.)
Mudge & Company, Chicago, Ill. Railway gasoline motor cars. 177,849; Jan. 1; Serial No. 180,448; published Oct. 16, 1923.
Mudge & Company, Chicago, Ill. Railway gasoline motor cars. 177,867; Jan. 1; Serial No. 180,451; published Oct. 16, 1923.
Mudge & Company, Chicago, Ill. Railway gasoline motor cars. 177,869; Jan. 1; Serial No. 180,445; published Oct. 16, 1923.
Muralo Company, Inc., The, New Brighton, N. Y. Calcimines. 178,019; Jan. 1.
Nekoosa-Edwards Paper Company, The, Port Edwards, Wis. Wrapping paper. 177,946; Jan. 1; Serial No. 184,746; published Oct. 16, 1923.
Nelke Corporation, The, Philadelphia, Pa. Dolls. 177,900; Jan. 1; Serial No. 183,936; published Oct. 16, 1923.
Newell, Robert H., & Co., Inc., Medina, N. Y. Shirts, pyjamas, bath slippers, etc. 178,046; Jan. 1.
New Process Company, Warren, Pa. Negligee shirts, ties, suits, and underwear. 178,038; Jan. 1.
New York Mackintosh Clothing Company, New York, N. Y. Raincoats. 177,960; Jan. 1; Serial No. 167,734; published Oct. 16, 1923.
Nichols Underwear Corporation, The, Bridgeport, Conn. Corsets, brassières, combination corsets and brassières, etc. 177,939; Jan. 1; Serial No. 184,144; published Oct. 16, 1923.
Oemler, Augustus, Savannah, Ga. Canned shrimp. 178,005; Jan. 1; Serial No. 180,807; published Oct. 16, 1923.
Oriental Silk Printing Company, Haledon, N. J. Silk piece goods. 178,012; Jan. 1; Serial No. 179,318; published June 12, 1923.
Packard Motor Car Company, Detroit, Mich. Tire covers. 177,868; Jan. 1; Serial No. 180,385; published Oct. 16, 1923.
Padin Brothers, New York, N. Y. Dress, negligee, and work shirts. 177,882; Jan. 1; Serial No. 176,688; published Oct. 16, 1923.
Parker-Bridget Company, Washington, D. C. Men's hose. 177,966; Jan. 1; Serial No. 182,929; published Oct. 16, 1923.
Peerless Corset Co. Inc., New York, N. Y. Corsets. 178,023; Jan. 1.
Pelican Bay Lumber Company, Klamath Falls, Oreg. Box shooks. 177,928-9; Jan. 1; Serial Nos. 184,361-2; published Oct. 16, 1923.
Peninsular Paper Company, Ypsilanti, Mich. Cover paper. 177,851; Jan. 1; Serial No. 183,939; published Oct. 16, 1923.
Perfection Rubber Company, The, Cleveland, Ohio. Rubber dolls. 177,930; Jan. 1; Serial No. 184,363; published Oct. 16, 1923.
Pierini, Attilio, doing business as Great Northern Fur Dyeing and Dressing Company, Brooklyn, N. Y. Skins and pelts. 177,873; Jan. 1; Serial No. 178,768; published Oct. 16, 1923.
Pike, Frederick M., doing business as Mount Mansfield Maple Merchants, Stowe, Vt. Maple sugar. 177,979; Jan. 1; Serial No. 179,883; published Oct. 16, 1923.
Portland Cordage Co., The, Portland, Oreg. Rope and twine. 177,938; Jan. 1; Serial No. 184,100; published Oct. 16, 1923.
Portland Cordage Co., The, Portland, Oreg. Twine. 177,989; Jan. 1; Serial No. 185,167; published Oct. 16, 1923.
Pride, W. H., & Co., Bellingham, Wash. Fruit preserves. 178,022; Jan. 1.
Puritan Knitting Mills, Philadelphia, Pa. Sweaters, scarfs, bathing suits, etc. 177,983; Jan. 1; Serial No. 177,690; published Oct. 16, 1923.
Puritan Malt Extract Co. (See Magnus, Joseph E.)
R. & W. Products Co., Milwaukee, Wis. Dessert pudding powders. 177,899; Jan. 1; Serial No. 162,267; published Oct. 16, 1923.
Rainbow Shirt Corp., New York, N. Y. Negligee shirts. 178,052; Jan. 1.
Randazzo Macaroni Mfg. Co., St. Louis, Mo. Macaroni, spaghetti, noodles, etc. 177,992; Jan. 1; Serial No. 156,862; published Oct. 16, 1923.
Red Mill Hosiery Company, Inc., Philadelphia, Pa. Hosiery, underwear, sweaters, and neckties. 177,970; Jan. 1; Serial No. 182,770; published Oct. 16, 1923.
Republic Knitting Co., The, Cleveland, Ohio. Men's, women's, and children's sweaters, toques, scarfs, etc. 177,963; Jan. 1; Serial No. 157,443; published Nov. 28, 1922.
Rex Cap Company. (See Goldstein, Sam.)
Roe, William G., Winter Haven, Fla. Fresh citrous fruits. 177,883; Jan. 1; Serial No. 177,408; published Oct. 16, 1923.
Rogers Candy Company, Meridian, Miss. Candy. 177,913; Jan. 1; Serial No. 182,612; published Oct. 16, 1923.
Rogers Candy Company, Meridian, Miss. Candy. 177,972; Jan. 1; Serial No. 182,614; published Oct. 16, 1923.
Rombro Brothers, Baltimore, Md. Work shirts. 177,903; Jan. 1; Serial No. 183,633; published Oct. 16, 1923.
Roos, Ed., Company of Forest Park, Forest Park, Ill. Cedar chest. 178,025; Jan. 1.
Royal Underwear Company, Reading, Pa. Women's knitted underwear. 177,904; Jan. 1; Serial No. 183,670; published Oct. 16, 1923.
Saulpaugh, Albert, doing business as Saulpaughs Candy Kitchen, Catskill, N. Y. Candy. 177,919; Jan. 1; Serial No. 181,912; published Oct. 16, 1923.
Sayer, Geo., & Co., Cognac, France. Brandy. 23,869; renewed Nov. 28, 1923.
Schoellkopf Co., The, Dallas, Tex. Tanned harness, skirting, collar, etc., leather. 177,943; Jan. 1; Serial No. 151,102; published Oct. 16, 1923.
Scovil, Cora L., New York, N. Y. Aprons. 177,967; Jan. 1; Serial No. 182,936; published Oct. 16, 1923.
Sellers, Ben F., Yakima, Wash. Fresh apples and pears. 177,914; Jan. 1; Serial No. 182,618; published Oct. 16, 1923.
Service Equipment Co., Inc., New York, N. Y. Sheetings and pillowcases. 177,947; Jan. 1; Serial No. 183,237; published Oct. 16, 1923.
Sleater, John C., Co., Inc., New York, N. Y. Tablecloths, napkins, doilies, etc. 177,878; Jan. 1; Serial No. 177,701; published July 10, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petroleum jelly. 177,886; Jan. 1; Serial No. 171,662; published Oct. 16, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 177,890; Jan. 1; Serial No. 165,834; published Oct. 16, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 177,892; Jan. 1; Serial No. 165,830; published Oct. 16, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 177,894; Jan. 1; Serial No. 165,826; published Oct. 16, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 177,895; Jan. 1; Serial No. 165,828; published Oct. 16, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 177,901; Jan. 1; Serial No. 183,893; published Oct. 16, 1923.
Standard Oil Company of New York, New York, N. Y. Candles. 177,912; Jan. 1; Serial No. 183,045; published Oct. 16, 1923.
Standard Oil Company of New York, New York, N. Y. Oil for heating purposes. 178,034; Jan. 1.
Stanley Works, The, New Britain, Conn. Braces, bolts, nails, screws, etc. 24,562; renewed Apr. 17, 1924.
Staufer Laundry Supply Company. (See Zelle, Harry G.)
Stephenson, Nick S., doing business as Nick Stephenson & Co., Chicago, Ill. Cigarette paper. 177,945; Jan. 1; Serial No. 184,771; published Oct. 16, 1923.
Stevens Paper Mills, Inc., The, Windsor, Conn. Lightweight fiber board. 177,854; Jan. 1; Serial No. 182,891; published Oct. 16, 1923.
Style-Center Tailoring Company, The, Cincinnati, Ohio. Overcoats, raincoats, vests, trousers, etc. 177,881; Jan. 1; Serial No. 175,831; published Aug. 28, 1923.
Sweetman Company, Inc., The, St. Louis, Mo. Wax chewing gum. 177,958; Jan. 1; Serial No. 161,567; published Oct. 16, 1923.
Swift and Company, Chicago, Ill. Dressed poultry. 178,018; Jan. 1.
Sylvester, Wilber, doing business as Cook Medical Co., Port Huron, Mich. Medicine to regulate the stomach, liver, and bowels and to give relief from constipation. 177,893; Jan. 1; Serial No. 164,622; published Mar. 20, 1923.
Taylor, Thos. P., Co., The, Bridgeport, Conn. Children's waists and underwear of knitted or textile fabrics. 177,936; Jan. 1; Serial No. 184,222; published Oct. 16, 1923.
Tetamore, Henry L., Glendale, N. Y. Wrapping paper. 177,966; Jan. 1; Serial No. 182,941; published Oct. 2, 1923.
Tissue Company, The, Saugerties, N. Y. Paper napkins. 177,855; Jan. 1; Serial No. 183,896; published Oct. 16, 1923.
Trident Traders, Inc., New York, N. Y. Animal products—namely wool, hides, and skins. 177,860; Jan. 1; Serial No. 182,021; published Oct. 16, 1923.
Turner, Halsey Co., New York, N. Y. Bleached cotton duck. 177,889; Jan. 1; Serial No. 174,158; published June 19, 1923.
United Brush Manufactories, New York, N. Y. Artists' paintbrushes. 177,988; Jan. 1; Serial No. 185,890; published Oct. 16, 1923.
United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 177,926; Jan. 1; Serial No. 184,271; published Oct. 16, 1923.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 177,931; Jan. 1; Serial No. 184,270; published Oct. 16, 1923.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 177,934; Jan. 1; Serial No. 184,269; published Oct. 16, 1923.
Victory Manufacturing Co., Niles, Calif. Metal pipe fittings, stopcocks, and double packed stopcocks. 177,874; Jan. 1; Serial No. 179,565; published Oct. 30, 1923.

Vlachos, George, New York, N. Y. Preserved figs, sundried raisins, shelled nuts, etc. 178,000; Jan. 1; Serial No. 180,913; published Oct. 16, 1923.
Vogel's, F., Son and Company, Chicago, Ill. Aprons, dresses. 177,952; Jan. 1; Serial No. 176,585; published Oct. 16, 1923.
Voss & Stern, New York, N. Y. Sateen piece goods. 178,011; Jan. 1; Serial No. 179,693; published July 17, 1923.
Wallerstein Bros., Paducah, Ky. Men's, boys', and children's suits, overcoats, and raincoats. 177,973; Jan. 1; Serial No. 182,486; published Oct. 16, 1923.
Washburn & Moen Manufg. Company, Worcester, Mass., assignee to The American Steel & Wire Company of New Jersey, Cleveland, Ohio. Steel, iron, and copper wire. 24,806; renewed May 29, 1924.
Washington Accessories Co., Washington, D. C. Lubricating oil. 178,044; Jan. 1.
Weinstein, Goldie, doing business as Goldie Fruittine Co., New York, N. Y. Beverage. 177,915; Jan. 1; Serial No. 182,632; published Oct. 16, 1923.
Western Druggist Association, Seattle, Wash. Larkspur lotion, sirup of white pine compound, cherry-mel cough remedy, etc. 177,898; Jan. 1; Serial No. 160,783; published Feb. 13, 1923.
Weston, Clifford L., doing business as C. L. Weston Co., Plainfield, N. J. Pure-fruit jelly compound. 177,910; Jan. 1; Serial No. 182,731; published Oct. 16, 1923.
Whitbeck, Laura K., Syracuse, N. Y. Textile underwear. 177,905; Jan. 1; Serial No. 183,428; published Oct. 16, 1923.
Wilde, L. Béla, Brooklyn, N. Y. Children's dresses and frocks. 177,959; Jan. 1; Serial No. 167,666; published Mar. 27, 1923.
Wilkins, Fred B., doing business as Fig Dainties Co., San Leandro, Calif. Preserved figs. 178,016; Jan. 1.
Wirick, Carey G., doing business as Lion Oil Company, Chicago, Ill. Petroleum, kerosene, gasoline, etc. 177,870; Jan. 1; Serial No. 179,910; published Sept. 18, 1923.
Wishnevitz, Jacob, New York, N. Y. Boys' and men's suits and overcoats. 177,984; Jan. 1; Serial No. 179,251; published Oct. 16, 1923.
Woodward & Bowman, Norwood, Mass. Creepers, rompers, suits, and dresses. 177,951; Jan. 1; Serial No. 176,393; published Oct. 16, 1923.
Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 177,906; Jan. 1; Serial No. 183,546; published Oct. 16, 1923.
Worthy Manufacturing Company, Chicago, Ill. Work shirts. 177,927; Jan. 1; Serial No. 184,313; published Oct. 16, 1923.
Zelle, Harry G., doing business as Staufer Laundry Supply Company, St. Louis, Mo. Laundry tablets. 178,040; Jan. 1.
Zook, Charles A. B., doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Fertilizers. 177,921; Jan. 1; Serial No. 184,884; published Oct. 16, 1923.
Zook, Charles A. B., doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Fertilizers. 177,991; Jan. 1; Serial No. 184,886; published Oct. 16, 1923.
Zurkow & Graff, New York, N. Y. Men's and boys' overcoats, coats, vests, and trousers. 177,979; Jan. 1; Serial No. 181,664; published Oct. 16, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Aims, Wm. D. P., Philadelphia, Pa. Iridio. For a Proprietary Medicine for Physicians' Prescriptions, Alterative and Systemic. 26,735; Jan. 1.
Arkwright Finishing Company, Providence, R. I. Arkwright Tracing Cloth. For Tracing Cloth. 26,736; Jan. 1.
Blakeley, Wallace B. & Co., Los Angeles, Calif. Miss California Beautifier. For Face Paste or Powder. 26,737; Jan. 1.
Chicago Waterproofing Co., Chicago, Ill. Roofing is Waterproofing. For Shingles, Roofing Material, and Roofing-Material Supplies. 26,738; Jan. 1.
Corticelli and Gaybrant, Newark, N. J. Mashed Potatoes. For Mashed Potatoes. 26,739; Jan. 1.
Cottrell, Lee W., Missoula, Mont. American Beauty Clay. For Facial Massage Clay. 26,740; Jan. 1.
Cragin Products Co., Chicago, Ill. Grainol Sun Brand. For Denatured Alcohol. 26,741; Jan. 1.
Farmers Educational and Co-operative Union of America, Division of Wash. and N. Idaho, Spokane, Wash. Farmer's Union Fruit Department. For Apple Boxes. 26,742; Jan. 1.
Gem Polish Manufacturing Company, The, Indianapolis, Ind. Gem "Quick as a wink". For a Polish for Glass, Metal, White Shoes, Enamel, and Woodwork. 26,743; Jan. 1.
Goodyear Rubber Company, Wilkes-Barre, Pa. Goodyear's Gold Medal Self Vulcanizing Tube Repair Cement Test-The-Tensile. For Use in a Tube-Repair Kit as a Cleaner. 26,744; Jan. 1.
Green, Joe, Estate, Courtland, Calif. Open Trail. For Plums. 26,745; Jan. 1.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Humdinger. For Cakes and Cookies 26,746; Jan. 1.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. 'Tucky Home Spice Cake. For Cake. 26,747; Jan. 1.
Hartlove, O. A., doing business as Hartlove Packing Co., Baltimore, Md. H-Klass. For Mixed Vegetables for Soup. 26,748; Jan. 1.
Helmholz Shoe Manufacturing Company, Cudahy, Wis. Helmholz Shoes Milwaukee. For Shoes. 26,749; Jan. 1.
Hungerford, U. T., Brass and Copper Co., New York, N. Y. Star Brand Pure Copper Radio Antennae Wire. For Radio Wire. 26,750; Jan. 1.
Karp, Joseph H., New York, N. Y. Bleacho Straw Hat Cleaner. For a Powder for Cleaning Straw Hats. 26,751; Jan. 1.
Lewis, Lewis, Ward, W. Va. Ko-Z-Foot. For a Corn Cure. 26,752; Jan. 1.
Lexington Mercantile Co. (See Parrish, William N.)
McKeon Canning Co., Los Angeles and Burbank, Calif. Red Head. For Canned Tomatoes. 26,753; Jan. 1.
Mar-Vel-O Company, Kinston, N. C. Mar-Vel-O. For Beauty Paste. 26,754; Jan. 1.
Marty, F. & Co., Syracuse, N. Y. Mayflower. For Tapering Candles. 26,755; Jan. 1.
Michaels, Abraham, doing business as Amic Specialty Works, New York, N. Y. Magic Washing Water. For Crystalline and Javelle Water. 26,756; Jan. 1.
Moquin's Bakery, Inc., Burlington, Vt. Country Club Bread. For Bread. 26,757; Jan. 1.
Morris, John, Dayton, Ohio. Silent Salesman. For Vending Machines. 26,758; Jan. 1.
Newport & White Company, Miami, Okla. Khaki Coat. For a Coating Preparation for Khaki Automobile Tops and Other Light Materials. 26,759; Jan. 1.
North Pole Products Company, Portland, Oreg. North Pole. For Chocolate Containers for Dispensing Ice Cream and Other Substances Pertaining to Confections. 26,760; Jan. 1.
Nulusta Company, Baltimore, Md. Nulusta Silver Polish. For Silver Polish. 26,761; Jan. 1.
Nulusta Company, Baltimore, Md. Nulusta Nickel Polish. For Nickel Polish. 26,762; Jan. 1.
Nulusta Company, Baltimore, Md. Nulusta Brass Polish. For Brass Polish. 26,763; Jan. 1.
Parrish, William N., doing business as Lexington Mercantile Co., Lexington, Ky. Never A Kick On Kangaroo Roofing & Shingles. For Roofing & Shingles. 26,764; Jan. 1.
Santoni Fruit & Packing Corporation, New York, N. Y. Golden Heart Brand. For Canned Grapefruit. 26,765; Jan. 1.
Service Products Company, Cleveland, Ohio. "U" Can Solder. For Soft Solder. 26,766; Jan. 1.
Sheropoolos, George, doing business as Universal Candy Co., Chicago, Ill. Just try me. For Candy and Confectionery. 26,767; Jan. 1.
Sheopoolos, George, doing business as Universal Candy Co., Chicago, Ill. Rosebud. For Candy and Confectionery. 26,768; Jan. 1.
Sheopoolos, George, doing business as Universal Candy Co., Chicago, Ill. Marie's Dainties. For Candy and Confectionery. 26,769; Jan. 1.
Standard Beverage Corporation, Chicago, Ill. United States Dry. For Ginger Ale. 26,770; Jan. 1.
Universal Candy Co. (See Sheopoolos, George.)
Visible Gauge-Valve Corporation, New York, N. Y., The Master Gauge. For Pneumatic-Tire Tubes and Valves Therefor. 26,771; Jan. 1.
White Mop Wringer Company, Fultonville, N. Y. Poll Parrot Swing. For Child's Swing. 26,772; Jan. 1.
Wise, W. G., Fruit Chocolate Company, Oakland, Calif. California Special. For Fruit Candy, Chocolate Coated. 26,773; Jan. 1.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Georgia, Wm. B., Waco, Tex. Hightone Kut IV In the Twilyte-Ra Lenses. For Spectacle, Eyeglass, and Colored Lenses. 7,111; Jan. 1.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. National Zwieback. For Zwieback. 7,112; Jan. 1.
Pioneer Products Co., The, Dayton, Ohio. Does More Than Soap. For a Soap Known as "Chex." 7,113; Jan. 1.
Trostel, Albert O., Milwaukee, Wis. The Leather That qualifies. For Leather. 7,114; Jan. 1.
Urich, B., doing business as B. Urich Company, Milwaukee, Wis. Holds the main Key Separate from the Rest. For Key-Carrying Chains. 7,115; Jan. 1.
Ward, James E., Springfield, Ohio. Purity and Deliciousness. For Carbonated Beverages. 7,116; Jan. 1.
Ward, James E., Springfield, Ohio. For Health and Happiness. For Ice Cream. 7,117; Jan. 1.
Ward, James E., Springfield, Ohio. Cloverdale. For Dairy Products—Namely, Milk and Cream. 7,118; Jan. 1.
Ward, James E., Springfield, Ohio. Clear as a Bell. For Phonographs. 7,119; Jan. 1.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott Laboratories, Chicago, Ill. Seno-mint (a laxative). 186,537; Jan. 1.
Adams, William D., Gadsden, Ala. Nonalcoholic, maltless beverage. 187,655; Jan. 1.
Admiral Tire & Rubber Company. (See Guenther, Arthur A.)
Ajax Rubber Company, Inc., Millbrook, N. Y. Inner tubes for tires. 188,396; Jan. 1.
Alden Products Co., Seagirt, N. J. Mayonnaise dressing. 186,208; Jan. 1.
Altman, B., & Co., New York, N. Y. Electric vacuum cleaners. 187,979; Jan. 1.
American Engineering Company, Philadelphia, Pa. Hoists. 187,279; Jan. 1.
American Fastener Company, Waterbury, Conn. Snap fasteners. 188,102; Jan. 1.
American Guernsey Cattle Club, Peterboro, N. H. Milk, cream, butter, and cheese. 185,400; Jan. 1.
Andrews & Pledger, doing business as GenOvar Company, New York, N. Y. Reducing lotion. 185,508; Jan. 1.
Artum Chemical Manufacturing Company. (See Tumlinelli, Arcangelo, M. J.)
Attix, E. D., doing business as Attix Hosiery Mills, Knoxville, Tenn. Hosiery. 187,282; Jan. 1.
Aunt Joy's Company. (See Thompson, Livingston, A.)
Bafaline Laboratories, Inc., The, Manchester, N. H. Lotion for mouth and throat. 187,788; Jan. 1.
Balacaler Knitting Mills, New York, N. Y. Knitted caps, sweaters, gloves, hosiery, and scarfs. 181,667; Jan. 1.
Barlow, James F., doing business as Vaporine Chemical Company, Memphis, Tenn. Liver pills. 184,956; Jan. 1.
Barnett, Sidney I., doing business as The Nu-Shave Co., New York, N. Y., and Detroit, Mich. Saponified shaving compound. 180,096; Jan. 1.
Barton, H. H., and Son Co. Inc., Philadelphia, Pa. Garnet polishing paper, emery cloth, etc. 187,193; Jan. 1.
Barton, H. H., & Son Co. Inc., Philadelphia, Pa. Abrasive paper and cloth. 187,451; Jan. 1.
Battle Creek Food Company, The, Battle Creek, Mich. Laxative food. 179,350; Jan. 1.
Bauman-Massa Jewelry Co., St. Louis, Mo. Children's jewelry. 186,267; Jan. 1.
Bechtol, Archie H., doing business as Southern Confection Company, Memphis, Tenn. Candy confections. 186,000–1; Jan. 1.
Becker, Otto C., doing business as The Carlbeck Manufacturing Company, Baltimore, Md. Stove polish and stove enamel. 187,080; Jan. 1.
Bedell Company, The, New York, N. Y. Hosiery. 187,081; Jan. 1.
Bell Manufacturing Company, San Antonio, Tex. Dresses, middy blouses, rompers, aprons, etc. 185,950; Jan. 1.
Berkowitz, Morris, doing business as Russian Cream Candy Mfg. Co., New York, N. Y. Candy. 187,661; Jan. 1.
Bertin Manufacturing Company, Westwood, N. J. Hand cream. 188,229; Jan. 1.
Black and White Milling Company, East St. Louis, Ill. Corn meal, grits, and corn flour. 186,411; Jan. 1.
Blake, Moffitt & Towne, San Francisco, Calif. Bond paper. 187,285; Jan. 1.
Blake, Moffitt & Towne, San Francisco, Calif. Bond paper. 187,290; Jan. 1.
Blek Co. Mfrs., St. Louis, Mo. Garters. 182,958; Jan. 1.
Blue-Ribbon Knitting Mills, Inc., Waltham, Mass. Knitted outerwear. 186,175; Jan. 1.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 185,742; Jan. 1.
Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 185,744; Jan. 1.
Bowman, Albert M., San Francisco, Calif. Window and windshield cleaning preparation and a swab impregnated with a vision-clarifying solution. 182,560; Jan. 1.
Bragg, Pierre A., doing business as The Reliable Chemical Company, Winchester, Ind. Compound for the treatment of mange-infected hogs. 184,539; Jan. 1.
Buckley, John, Logan, Utah. Confection. 162,376; Jan. 1.
Butler, James, Inc., New York, N. Y. Bread. 185,889; Jan. 1.
C. M. Remedy Co., Durham, N. C. Preparation for the relief of headaches, neuralgia, nervousness, etc. 183,692; Jan. 1.
Calajoe, Anthony J., New York, N. Y. Medicine for rheumatism, sciatica, gout, etc. 185,287; Jan. 1.
California Syrup & Packing Co. (See Drenikow, Otto T.)
Cameron and Company, Inc., Napa, Calif. Aprons. 187,798; Jan. 1.
Canute Co., The, Milwaukee, Wis. Hair dye. 186,412; Jan. 1.
Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Bowel and system tonic. 166,502; Jan. 1.
Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Preparation for the treatment of la grippe, influenza, and colds. 166,734; Jan. 1.
Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Preparation for miners' consumption. 166,575; Jan. 1.
Carlbeck Manufacturing Company, The. (See Becker, Otto C.)
Carson Pirie Scott & Co., Chicago, Ill. Misses' and children's hats. 184,596; Jan. 1.
Carter Dry Goods Co., Inc., Louisville, Ky. Underwear. 186,852–3; Jan. 1.
Casey, Patrick H., doing business as Casey Chemo-Therapy Co., Baltimore, Md. Tablets for treatment of headaches, neuritis, colds, etc. 184,117; Jan. 1.
Chemical Paper Manufacturing Company, Holyoke, Mass. Book paper. 187,711; Jan. 1.
Chicago Automotive Institute, Chicago, Ill. Printed lessons, job tickets, and lectures. 187,087; Jan. 1.
Chocolate Products Company, Wilmington, Del., and Baltimore, Md. Candy. 187,714; Jan. 1.
Chopp, William, Bovey, Minn. Preparation for the treatment of piles. 185,780; Jan. 1.
Clement, Berthe P., administratrix of the Estate of Emile A. Clement, New York, N. Y. Cheese wafers. 184,235; Jan. 1.
Clotworthy, Hugh A., New York, N. Y. Nail-polish powders. 188,231; Jan. 1.
Cohen, Morris, New Haven, Conn. Sweater coats, bathing suits, and scarfs. 187,249; Jan. 1.
Colbert, William J., doing business as The Tite-Lock Harness Hook Co., Fall River, Mass. Locking screw hooks. 187,204; Jan. 1.
Colorado Milling & Elevator Co., Denver, also doing business as The Loveland Flour Mills, Loveland, Colo. Wheat flour. 187,094; Jan. 1.
Columbia Tire and Rubber Company, The, Mansfield, Ohio. Inner tubes, pneumatic cord and fabric tires. 186,827; Jan. 1.
Columbus Creamery, Columbus, Ga. Butter. 185,177; Jan. 1.
Combination Remedy Company. (See Reese, Alonzo S.)
Conder, Ralph E., Southborough, Mass. Poultry, live stock, vegetables, fruits, etc. 162,382; Jan. 1.
Co-Operative Grange League Federation Exchange, Inc., Syracuse, N. Y. Foods and ingredients of foods. 181,477; Jan. 1.
Cotton, Edward O., doing business as Cotton Drug Co., Incorporated, Goldsboro, N. C. Preparation for the treatment of rheumatism. 181,384; Jan. 1.
Crandall Packing Company, Palmyra, N. Y. Steam, water, gas, air, and ammonia packing. 186,631; Jan. 1.
Crawford Farms, Incorporated, Millbrook, N. Y. Biscuit sandwich. 184,827; Jan. 1.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Crenshaw, James H., Columbus, Ohio. Medicine for treatment of venereal diseases. 186,219; Jan. 1.
Cross Bro's Co., Northfield, Vt. Tombstones, monuments, and memorials. 181,112; Jan. 1.
Crown Willamette Paper Company, San Francisco, Calif. Fresh apples. 187,802; Jan. 1.
Curry Manufacturing Company. (See Parker, Evalyn C.)
Dallmann Machine & Mfg. Co., Milwaukee, Wis. Gears. 186,948; Jan. 1.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Toilet waters, pastes, and powders, and perfumery. 186,111; Jan. 1.
Danziger-Jones, Inc., New York, N. Y. Radio receiving sets and parts thereof. 187,856; Jan. 1.
Davenport Manufacturing Co., Inc., Davenport and Bettendorf, Iowa. Electrical cigar lighters. 168,756; Jan. 1.
Davis & Lawrence Co., New York, N. Y. Toilet, hand, and skin soaps. 181,822; Jan. 1.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Fan belts. 187,606; Jan. 1.
De Picabia, Manuel M., New York, N. Y. Coffees. 187,857; Jan. 1.
Dern Food Company, The, Colorado Springs, Colo. Coffee. 187,667; Jan. 1.
Dreiwitz, Max, doing business as Ch. Dreiwitz's Son, New York, N. Y. Lamb skins. 185,921; Jan. 1.
Drenikow, Otto T., doing business as California Syrup & Packing Co., Cupertino, Calif. Table sirups. 185,330; Jan. 1.
Duberstein, Isadore, Los Angeles, Calif. Garment hangers. 186,980; Jan. 1.
Eastern Connecticut Poultry Producers, Inc., Willimantic, Conn. Eggs. 184,897; Jan. 1.
Edson Bros., Philadelphia, Pa. Olive oil. 174,296; Jan. 1.
Edwards Manufacturing Co., The, Cincinnati, Ohio. Toy pistols, rifles, and repeating rifles. 188,234; Jan. 1.
Ehrman, Samuel Co., New York, N. Y. Venice, Irish, etc., laces. 173,409; Jan. 1.
Elkins Medicine Co., Philadelphia, Pa. Gland compound. 188,046; Jan. 1.
Emmert, Frederick L., doing business as F. L. Emmert & Co., Cincinnati, Ohio. Liquid soap. 187,411; Jan. 1.
Empire State Canning Co., Rome, N. Y. Canned fruits and vegetables. 171,141; Jan. 1.
English & Mersick Co., The, New Haven, Conn. Vehicle door locks and latches. 186,634; Jan. 1.
Est. Henry C. Miner, Inc., New York, N. Y. Rouges. 188,158; Jan. 1.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Pencils. 184,439; Jan. 1.
Fanning, Omar A., Streator, Ill. Pickles. 186,224; Jan. 1.
Farr Company, Inc., New York, N. Y. Women's apparel. 186,006; Jan. 1.
Farrington, G. B., Co., The, New York, N. Y. Coffee. 180,595; Jan. 1.
Felborn Pharmacal Co., Inc., Brooklyn, N. Y. Liniment. 184,239; Jan. 1.
Ferle, Heller, Inc., New York, N. Y. Ladies' and misses' hats. 185,248; Jan. 1.
Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 184,718–19; Jan. 1.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 186,843–4; Jan. 1.
Frackville Manufacturing Company, New York, N. Y. Men's nightshirts, bath robes, pyjamas, and undergarments. 186,635; Jan. 1.
Frankel Bros., New York, N. Y. Topcoats, overcoats, coats, vests, etc. 185,923; Jan. 1.
Frankfort Distillery and George Baker. (See Mattingly & Moore Distillery Co.)
Freeman-Daughaday Co., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I. Collar buttons. 185,577; Jan. 1.
Frizzell, Mrs. Maggie, Sweet Springs, Mo. Stove polish and shoe polish. 187,619; Jan. 1.
Fruhauf Bros. & Co., New York, N. Y. Men's and young men's overcoats and suits. 186,003; Jan. 1.
Fruit Valley Corporation, Rochester, N. Y. Compound for making puddings and pies. 185,696; Jan. 1.
Furst-McNess Company, Freeport, Ill. Liniments, medicinal and toilet preparations, etc. 183,267; Jan. 1.
G & G Scientific Bird Food Co., San Francisco, Calif. Food preparation for birds. 182,471; Jan. 1.
Gallardo, Ernest, doing business as Gallardo Co., New York, N. Y. Reducing cream. 186,549; Jan. 1.
Galveston Ice Cream Co. Inc., Galveston, Tex. Ice cream and frozen fruits. 184,399; Jan. 1.
Garrett, Percival A., Goodmayes, England. Apparatus for aerating, carbonating, or gasifying liquids. 186,124; Jan. 1.
Gates, Thomas B. M., New York, N. Y. Toilet pins. 180,427; Jan. 1.
Geits, Fred, jr., St. Louis, Mo. Blank books. 180,695; Jan. 1.
General Chain Co., Providence, R. I. Bracelets and neck chains. 185,867; Jan. 1.
General Laboratories, Madison, Wis. Fly spray. 188,230; Jan. 1.
General Tobacco Company, Louisville, Ky., and Chicago, Ill. Cigarettes, cigars, and smoking tobacco. 187,308; Jan. 1.
GenOvar Company. (See Andrews & Pledger.)
Geatetner, D., Limited, London, England. Inks for printing and stenciling. 183,908–9; Jan. 1.
Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Catarrh cream, nasal spray, and preparation for removing corns. 184,904; Jan. 1.
Gibbs, Malcolm G., doing business as Key Chemical Co., Washington, D. C. Skin lotion. 184,906; Jan. 1.
Gibbs, Malcolm G., doing business as Key Chemical Co., Washington, D. C. Antiseptic powder. 184,907; Jan. 1.
Gibson-Howell Company, Jersey City, N. J. Medicinal tablets for disorders of the stomach and as an aid to digestion. 186,550; Jan. 1.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hairpins. 187,577; Jan. 1.
Glidden Nut Butter Company, The, Chicago, Ill. Nut margarine. 186,784; Jan. 1.
Grant, W. S., Company, New York, N. Y. Bath sprays with rubber tubing attachments. 181,184; Jan. 1.
Green, A. P., Fire Brick Co., Mexico, Mo. Fire-brick mortar, fire-brick cement, etc. 185,337; Jan. 1.
Greif, L., & Bro. Incorporated, Baltimore, Md. Outer clothing. 185,824; Jan. 1.
Gristede Bros. Inc., New York, N. Y. Canned peas. 170,286; Jan. 1.
Grosinger, Chris., Co. Inc., Brooklyn, N. Y. Smoked ham, baked meat loaf, bacon, etc. 177,296; Jan. 1.
Guenther, Arthur A., doing business as Admiral Tire & Rubber Company, St. Louis, Mo. Automobile tires and inner tubes. 186,365; Jan. 1.
Guild, J. H., Company, Rupert, Vt. Preparation for the treatment of asthma. 181,485; Jan. 1.
Gustin, Max, doing business as M. Gustin Co., New York, N. Y. Shoes, boots, pumps, slippers, and slipper soles. 183,702–3; Jan. 1.
Habhegger, John, Co., Watertown, Wis. Butter. 186,425; Jan. 1.
Hague, A. J., & Co. Inc., New York, N. Y. Elastic webbing, cotton trimming, toilet pins, etc. 169,442; Jan. 1.
Hannahs Manufacturing Company, Kenosha, Wis. Furniture. 186,011; Jan. 1.
Harris Suspender Company, New York, N. Y. Suspenders. 172,799; Jan. 1.
Harrison, B. M., Philadelphia, Pa. Deodorant preparations. 184,549; Jan. 1.
Hart, Michael C., Manchester, England. Cotton piece goods. 183,571; Jan. 1.
Hartley, Emmett F., doing business as Hartley Rubber Co., Huntington, W. Va. Repair kit for pneumatic tires. 187,944; Jan. 1.
Hatter's Clearing House Inc., The, New York, N. Y. Hats and caps. 183,704; Jan. 1.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 182,809; Jan. 1.
Heller, L., & Son, Inc., New York, N. Y. Packaged combination of restringing silk with jeweler's threading needle. 186,994; Jan. 1.
Henderson, Quartus B., Toronto, Ontario, Canada. Bath slippers. 179,582; Jan. 1.
Hendler Creamery Company, The, Baltimore, Md. Ice cream. 183,069; Jan. 1.
Herrin, George J., doing business as Vio-Glen Chemical Company, Kansas City, Mo. Mouth washes and tooth pastes. 186,056; Jan. 1.
Hess, John E., Clearfield, Pa. Periodical magazine published monthly. 158,710; Jan. 1.
Hill Crest Manor, Wheaton, Ill. Fresh eggs. 185,368; Jan. 1.
Hill, David, Limited, Leicester, England. Heels for boots and shoes. 184,449; Jan. 1.
Hoy, F. P., Inc., New York, N. Y. Corsets. 182,368; Jan. 1.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 186,998; Jan. 1.
Hulman & Company, Terre Haute, Ind. Baking powder. 184,612; Jan. 1.
Humphreys, E. C., & Brother Co., The, Columbus, Ohio. Molding and core sand and ground fire clay. 179,206; Jan. 1.
Ideal Wrapping Machine Company, Middleton, N. Y. Caramel and candy cutters and sizers and parts thereof. 153,602; Jan. 1.
Imai, Kinjiro, doing business as Newton Co., Seattle, Wash. Cold cream. 188,095; Jan. 1.
International Company, The, Baltimore, Md. Cake. 184,668; Jan. 1.
International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Leather boots, shoes, and slippers. 183,976; Jan. 1.
International Stamping Company, The, Chicago, Ill. Tire carriers. 187,314; Jan. 1.
Irish Linen Mesh Company, Limited, The, Belfast, Ireland. Articles of underwear of knitted fabric. 181,949; Jan. 1.

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Ivans, Michael T. L., Trevilians, Va. Spring water. 185,451; Jan. 1.
Jenny Wren Stores Corporation, San Francisco, Calif. Cabinets and counters. 150,750; Jan. 1.
Johnson, B. L., & Co., Inc., also doing business as Johnson's, Knoxville, Tenn. Candy. 178,254; Jan. 1.
Johnson, Cyril Woolen Co., Stafford Springs, Conn. Woolen and worsted piece goods for men's wear only. 174,265; Jan. 1.
Johnson, Helga L., Te Kuiti, Auckland, New Zealand. Mops, mop heads, and fiber and cloth dusters. 180,946; Jan. 1.
Johnson, William H., New York, N. Y., assignee to The Tin Decorating Company of Baltimore, Baltimore, Md. Peanut butter, butter, cereals, etc. 162,960; Jan. 1.
Kansas City Paper House, Kansas City, Mo. Book papers. 185,241; Jan. 1.
Kansas City Paper House, Kansas City, Mo. Printing and writing paper. 185,328; Jan. 1.
Kay Chemical Company. (See Gibbs, Malcolm G.)
Kibbe Brothers Company, Springfield, Mass. Peanut-butter kisses. 183,837; Jan. 1.
Kirkendall Shoe Company, Omaha, Nebr. Leather moccasins. 184,246; Jan. 1.
Kleven, Jacobine, doing business as Mrs. K. Kleven, Minneapolis, Minn. Healing salve. 186,327; Jan. 1.
Knoxville Mattress Co., Knoxville, Tenn. Mattresses. 182,979; Jan. 1.
Koenig, Philipp, Cuero, Tex. Compound for destroying boll weevils. 185,758; Jan. 1.
Koenig, Theodor, Munich, Germany. Medicinal compound for the treatment of nervous disorders. 182,830; Jan. 1.
Koerner, Henry, & Company, New York, N. Y. Chamois skins. 187,871; Jan. 1.
Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung, Dresden, Germany. Sensitized photographic paper, cardboard, and post cards. 180,437–9; Jan. 1.
Krag, Frans K., Chicago, Ill. Metal-drilling machines. 186,280; Jan. 1.
Kraus, Rita A., doing business as Ritanelle Co., Philadelphia, Pa. Toilet creams and shampoos. 179,475; Jan. 1.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Wall-paper cleaner. 187,224; Jan. 1.
Kuenzel Mills Company, The, New Bremen, Ohio. Wheat flour. 187,166; Jan. 1.
Laboratory of Research Chemotherapy, The, Philadelphia, Pa. Prophylactic and general local antiseptics. 186,136; Jan. 1.
Laboratory of Research Chemotherapy, The, Philadelphia, Pa. Antiseptics. 186,137; Jan. 1.
Lack & Samuels, Inc., New York, N. Y. Women's and misses' dresses, waists, blouses, etc. 186,794; Jan. 1.
Lajugie, Paul, Paris, France. Reducing soap. 187,824; Jan. 1.
La Mode Garment Co., Inc., Chicago, Ill. Ladies' and children's wearing apparel. 187,468; Jan. 1.
La Vie Pearl Company, New York, N. Y. Pearls. 187,062; Jan. 1.
Lazy Sue Hanger Company, Washington, D. C. Devices to be slipped on the ends of garment hangers. 187,425; Jan. 1.
Lee, Lynn S., doing business as Lynn Co., Denver, Colo. Table game. 185,786; Jan. 1.
Leiner, Geo. S., & Co., New York, N. Y. Brushes. 185,973; Jan. 1.
Levine, Joseph H., Chicago, Ill. Spark-testing devices for internal-combustion engines. 170,203; Jan. 1.
Lewis Bros., Inc., New York, N. Y. Hair tonic. 187,872; Jan. 1.
Libby, McNeill & Libby, Chicago, Ill. Condensed and evaporated milk. 185,370; Jan. 1.
Lichtenstein-Mittenthal Company, Dallas, Tex. Women's, misses', and children's hats. 183,629; Jan. 1.
Lindeke, Warner & Sons, Incorporated, St. Paul, Minn. Overalls. 187,827; Jan. 1.
Little-Darling Hat Co., New York, N. Y. Children's hats. 186,017; Jan. 1.
Llama Knitting Co., New York, N. Y. Sweaters, caps, booties, leggings, etc. 186,651; Jan. 1.
Louisiana State Rice Milling Co. Inc., New Orleans, La. Rice, rice bran, meal, polish, and powder. 155,896; Jan. 1.
Loveland Flour Mills, The. (See Colorado Milling & Elevator Co.)
Lusuardi, Amilcare, Turin, Italy. Pipes. 185,843; Jan. 1.
Lutz & Richardson, Baltimore, Md. Printed signs. 184,410; Jan. 1.
Lynn Co. (See Lee, Lynn S.)
McCorrison, Charles E., Seattle, Wash. Sporting goods. 182,253; Jan. 1.
McDonald, Victoria, Cleveland, Ohio. Cleaning cream and wrinkle remover and face powder. 183,391; Jan. 1.
MacLean Drug Company, Chicago, Ill. Olive oil, cakes, breakfast cereal, sandwiches, etc. 175,505; Jan. 1.
Manchester Biscuit Company, Incorporated, Sioux Falls, S. Dak. Zwieback. 185,027; Jan. 1.

Manier Campa, Inc., New York, N. Y. Printed publication, bulletin, or pamphlet. 169,816; Jan. 1.
Marker Chemical Company, The, Fairmont, W. Va. Preparation for cleansing the teeth. 186,560; Jan. 1.
Marks, L. W., & Co. Inc., New York, N. Y. Hats for women. 185,087; Jan. 1.
Marysville Mill & Elevator Company, The, Marysville, Kans. Wheat and graham flour. 178,622; Jan. 1.
Mattingly & Moore Distillery Co., doing business as Frankfort Distillery and George Baker, Louisville, Ky. Distilled alcoholic liquors for beverage purposes. 170,303; Jan. 1.
Max Dörner, G. m. b. H. Stahlwarenfabrik, Solingen, Germany. Razors, safety razors and blades, pocket-knives, etc. 162,708; Jan. 1.
Mecky, A., Company, Philadelphia, Pa. Electric soldering irons. 186,598; Jan. 1.
Meisel, C., Inc., New York, N. Y. Violins, violas, violoncellos, pianos, organs, etc. 182,828; Jan. 1.
Merrell-Soule Company, Syracuse, N. Y. Powdered skimmed milk. 172,802; Jan. 1.
Mershon, Herbert C., doing business as Mershon Advertising Agency, Chicago, Ill. Redeemable coupons. 177,919; Jan. 1.
Migel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk piece goods. 186,482; Jan. 1.
Miller, Solomon S., Reading, Pa. Hosiery. 187,950; Jan. 1.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Men's outer dress and negligee shirts. 187,685; Jan. 1.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 187,689; Jan. 1.
Monett Mill & Elevator Company, Monett, Mo. Wheat flour. 187,116; Jan. 1.
Montgomery, Willard S., Brooklyn, N. Y. Stove polish. 187,690; Jan. 1.
Moorman Mfg. Co., Quincy, Ill. Mineral mixture used as tonic for swine. 184,558; Jan. 1.
Morris, Ovson, Company, Chicago, Ill. Frozen egg product. 182,431; Jan. 1.
Morse & Rogers. (See International Shoe Company.)
Motorfrigerator Company, The, Lansdale, Pa. Refrigerators. 188,319; Jan. 1.
Moyer, Elmer W., doing business as M. M. Moyer & Co., Philadelphia, Pa. Eggs. 159,516; Jan. 1.
Moyer, Elmer W., doing business as M. M. Moyer & Co., Philadelphia, Pa. Butter. 159,517; Jan. 1.
Mulholland Bros. Inc., Aurora, Ill. Silver-plated hollow ware. 181,841; Jan. 1.
Munter, Charles, New York, N. Y. Corsets. 141,322; Jan. 1.
Narbonne, Gardner H., doing business as Narbonne Ranch, Thermal, Calif. Fresh and dried dates. 184,744; Jan. 1.
National Food Products Corporation, Inc., Los Angeles, Calif. Maltless-soft-drink powder. 187,475; Jan. 1.
National Macaroni Company, Dallas, Tex. Macaroni, spaghetti, vermicelli, etc. 186,195; Jan. 1.
National Package Products Company, Anderson, Ind. Knockdown toy vehicle. 186,286; Jan. 1.
National Toilet Co., Paris, France. Face powders. 189,057; Jan. 1.
Neenah Paper Co., Neenah, Wis. Bond papers, boxed stationery, tablets. 187,835; Jan. 1.
Neider, F. A., Co., The, Augusta, Ky. Nails. 186,287; Jan. 1.
New England Mills Company, The, Chicago, Ill. Headlights and auto lamps. 187,762; Jan. 1.
Newton Co. (See Imai, Kinjiro.)
New York Merchandise Company, New York, N. Y. Hand sewing needles. 187,588; Jan. 1.
Noon, Edward, & Son, Philadelphia, Pa. Bathing suits, athletic shirts, sweaters, etc. 149,716; Jan. 1.
Northland Knitting Company Limited, Winnipeg, Manitoba, Canada. Gloves made of leather. 135,612; Jan. 1.
Nu-Shave Co. (See Barnett, Sidney I.)
Old, B. H., & Co. Inc., New York, N. Y. Paprika, cassia, cassia buds, cinnamon, etc. 181,907–8; Jan. 1.
Old Virginia Peanut Brittle Co., Richmond, Va. Peanut brittle. 187,691; Jan. 1.
P & M Products Company, Oakland, Calif. Cleansing powder. 187,068; Jan. 1.
Pabst Farms, Summit and Oconomowoc, assignor to Pabst Holstein Farms, Milwaukee, Wis. Cheese. 181,496; Jan. 1.
Page, Percy E., New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 186,149; Jan. 1.
Pancura Chemical Company, The, Baltimore, Md. Healing and drawing salve. 185,014; Jan. 1.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parfumerie Roger & Gallet, Paris, France. Soaps. 186,442; Jan. 1.
Parker, Evalyn C., doing business as Curry Manufacturing Company, Albany, N. Y. Deodorant toilet powders. 186,152; Jan. 1.
Pearce, A. T., Miami, Fla. Fresh tomatoes. 188,252; Jan. 1.
Pederson Mercantile Company, The, Moorhead, Minn. Canned vegetables and fruits. 164,943; Jan. 1.

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Peerless Cotton Mills, Thomaston, Ga. Sheets, sheeting, pillowcases, and bolster coverings. 182,990; Jan. 1.
Pengilly, Lewis, Stockton, Calif. Cigarette and cigar lighters. 185,793; Jan. 1.
Phenix Cheese Co., New York, N. Y. Cheese. 184,684; Jan. 1.
Phosphor Bronze Smelting Company, The, Philadelphia, Pa. Golf clubs. 187,957; Jan. 1.
Plymouth Canning Co., Plymouth, Wis. Shelled cooked canned peas. 186,625; Jan. 1.
Pompeian Mfg. Company, The, Cleveland, Ohio. Face powder and face cream. 185,312; Jan. 1.
Premier Electric Company, Chicago, Ill. Rheostats. 187,534; Jan. 1.
Pretto, Alberto, doing business as E. Pretto & C., Genoa, Italy. Alimentary pastes. 181,959; Jan. 1.
Providence Collar Button Company. (See Freeman-Daughaday Co.)
Pyrocolor Corporation, New York, N. Y. Glassware. 152,091; Jan. 1.
Quality Shoe Shop, Washington, D. C. Leather, rubber, fabric shoes. 184,102; Jan. 1.
Quisenberry Feed Mfg. Co., Kansas City, Mo. Feeds and feedstuffs. 187,127; Jan. 1.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 155,450; Jan. 1.
Radio Corporation of America, New York, N. Y. Electrical condensers. 157,776; Jan. 1.
Radio Storage Battery Co., San Francisco, Calif. Storage batteries. 174,488; Jan. 1.
Railroad Buyers & Sellers Service Bureau, Chicago, Ill. Periodicals. 185,056; Jan. 1.
Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Resilient inner rings arranged to fit under the regular piston rings. 186,671; Jan. 1.
Rangaves, D., & Co. Inc., New York, N. Y. Cigars, cigarettes, and smoking tobacco. 185,840; Jan. 1.
Ransom Chemical Company, Ensley, Birmingham, Ala. Proprietary medicine for diseased feet. 185,722; Jan. 1.
Reese, Alonzo S., doing business as Combination Remedy Company, Pittsburgh, Pa. Medicine. 186,293; Jan. 1.
Reges, Ernest, & Sons, Blanchardville, Wis. Cheese. 185,620; Jan. 1.
Reid and Fort, Inc., Philadelphia, Pa. Men's outer dress and negligee shirts. 185,496; Jan. 1.
Reins & Meiss Company, The, Cincinnati, Ohio. Hosiery. 187,128; Jan. 1.
Reliable Chemical Company. (See Bragg, Perrie A.)
Rhonheimer, Julius, doing business as J. Rhonheimer & Company, New York, N. Y. Hats. 183,941; Jan. 1.
Richard Hudnut, New York, N. Y. Perfumes and toilet preparations. 183,881; Jan. 1.
Ridley's, The Old Chambers Street Candy Manufactory, Long Island City, N. Y. Candies. 179,055; Jan. 1.
Rinaudo, Majano & Cie., Nice, France. Olive oil. 178,568; Jan. 1.
Ritanella Co. (See Kraus, Rita A.)
Roberts-Frank & Co., Inc., Chicago, Ill. Ladies' and children's wearing apparel. 187,486; Jan. 1.
Robinson Specialty Company, Keyport, N. J. Complete radio sets and parts thereof. 166,471; Jan. 1.
Ross, Myrna, Toronto, Ontario, Canada. Cold cream. 188,134; Jan. 1.
Rothbell, Benjamin, doing business as Max Rothbell & Sons, New York, N. Y. Cloaks and suits. 175,570; Jan. 1.
Rovin, Alexander M., Detroit, Mich. Nonirritating urethral injection. 185,878; Jan. 1.
Rubin, Isidore J., doing business as I. J. Rubin & Co., New York, N. Y. Cloaks, suits, wraps, capes, etc. 186,248; Jan. 1.
Russian Cream Candy Mfg. Co. (See Berkowitz, Morris.)
Rutherford, Guy P., Indianapolis, Ind. Medicinal preparation for piles. 185,043; Jan. 1.
S. Y. W. Hosiery Co., Burlington, N. C. Hosiery. 188,671; Jan. 1.
Sable Bros., New York, N. Y. Hats and caps and ladies' scarfs. 184,104; Jan. 1.
Saks & Company, New York, N. Y. Girls' apparel. 186,758; Jan. 1.
Salem Rubber Company, The, Salem, Ohio. Resilient vehicle tires and inner tubes. 188,028; Jan. 1.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, capes, etc. 187,591; Jan. 1.
Sargeant, Mortimer W., East Orange, N. J. Hand lotion. 185,092; Jan. 1.
Sarsam, P. A., Co., New York, N. Y. Cigarettes. 188,441; Jan. 1.
Schacht Rubber Mfg. Co., Huntington, Ind. Rubber fruit-jar rings. 186,751; Jan. 1.
Schiller, Harry, doing business as Schiller Bros., New York, N. Y. Ladies' gowns, chemise, drawers, corset covers, etc. 186,724; Jan. 1.
Schneider, Maurice J., Los Angeles, Calif. Collars, shirts, pyjamas, etc. 180,316; Jan. 1.
Scholes Radio and Manufacturing Corporation, New York, N. Y. Capacity devices or condensers for controlling or varying the flow of electrical current. 170,674; Jan. 1.
Schwartz, Rudolph, San Francisco, Calif. Cigars. 187,492; Jan. 1.
Schweizerische Magneta A.-G., Zug, Switzerland. Electrical clocks. 179,060; Jan. 1.
Scurich & Jerinich, Watsonville, Calif. Fresh apples. 186,933; Jan. 1.
Sexton, John, and Company, Chicago, Ill. Baking powder. 187,772; Jan. 1.
Shaw, J. G., doing business as J. G. Shaw Company, San Jose, Calif. Dried fruit. 187,698; Jan. 1.
Shaw, M. T., Inc., Racine, Wis. Shoes. 184,767; Jan. 1.
Shellman, L. W., Townsend, Ga. Tonic for purifying the blood, etc., a purgative, and a liniment. 183,168; Jan. 1.
Shot-Lite Corporation of America, Denver, Colo. Windshield spotlights. 188,031; Jan. 1.
Simonson, Leo B., New York, N. Y. Hair shampoo, hair curling and dyeing liquids, rouge, etc. 183,169; Jan. 1.
Slattery Bros., Boston, Mass. Leather. 188,140; Jan. 1.
South Georgia Produce Company, Vidalia, Ga. Wheat flour. 184,769; Jan. 1.
Southern Confection Company. (See Bechtol, Archie H.)
Southwest Onyx & Marble Company, San Diego, Calif. Balls for the handles of automobile gear-shift levers. 186,760; Jan. 1.
Southwestern Milling Company, Inc., New York, N. Y. Wheat flour. 174,598; Jan. 1.
Spetry Flour Company, San Francisco, Calif. Baby-chick feed. 187,391; Jan. 1.
Springbrook Canning Company, Springbrook, Oreg. Canned fruits, berries, and vegetables. 185,056; Jan. 1.
Squibb, E. R., & Sons, New York, N. Y. Cold cream. 180,630; Jan. 1.
Standard Brick & Tile Company, Portland, Oreg. Building bricks. 185,628; Jan. 1.
Standard Oil Company of New York, New York, N. Y. Floor oilers, yarn mops, dust cloths, etc. 188,385; Jan. 1.
Stearns, Frederick J., Manchester, N. H. Poultry lice ointment. 183,725; Jan. 1.
Steinacher, Rudolph, New York, N. Y. Spark plugs 187,969; Jan. 1.
Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 183,863; Jan. 1.
Stickney & Poor Spice Co., Boston, Mass. Prepared mustard. 183,174; Jan. 1.
Style-Center Tailoring Company, The, Cincinnati, Ohio. Women's clothing and garments. 172,565; Jan. 1.
Sudbury, E. B., doing business as E. B. Sudbury & Co., New York, N. Y. Hosiery, sweaters, and fabric gloves. 171,770; Jan. 1.
Sunbeam Water Company, Philadelphia, Pa. Ginger ale. 187,782; Jan. 1.
Sunbeam Water Company, Philadelphia, Pa. Distilled waters, ginger ale, root beer, etc. 187,783; Jan. 1.
Sunset Club Bottling Co., Sherman, Calif. Maltless carbonated beverages. 186,937; Jan. 1.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Bottled cultured milk. 181,501; Jan. 1.
Sykes, William, Limited. Horbury and London, England. Footballs, basket, soccer, and punching balls. 184,804; Jan. 1.
Taiyo Trading Co., Inc., New York, N. Y. Matches. 170,450; Jan. 1.
Tarquin Manufacturing Co., Washington, D. C. Ointment for the hair. 186,450; Jan. 1.
Thompson, Livingston A., doing business as Aunt Joy's Company, Waukesha, Wis. Coffee substitute. 186,762; Jan. 1.
Tin Decorating Company of Baltimore. (See Johnson, William H., assignor.)
Tite-Lock Harness Hook Co. (See Colbert, William J.)
Tokeczky, Frank, New York, N. Y. Cloth-washing powder. 176,513; Jan. 1.
Travis, Romaine & Jelle, Inc., New York, N. Y. Silk piece goods. 185,882; Jan. 1.
Triangle Kapok Machine Corp., New York, N. Y. Mattress-filling machines. 182,388; Jan. 1.
Trinkel, Benjamin H., Providence, R. I. Sleeping suits. 187,593; Jan. 1.
Trommer, John F., Inc., Brooklyn, N. Y. Malt beverage. 170,845; Jan. 1.
True-Tone Radio Mfg. Co. (Not Inc.), Chicago, Ill. Radiotelephone loud-speaker horns and head sets, etc. 183,424; Jan. 1.
Tuminelli, Arcangelo M. J., doing business as Artum Chemical Manufacturing Company, Baltimore, Md. Blood tonic and purifier. 186,488; Jan. 1.
Union Asbestos & Rubber Company, Chicago, Ill. Compressed asbestos fire-insulating material. 185,062; Jan. 1.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 185,995; Jan. 1.
Unity Manufacturing Co., Los Angeles, Calif. Tea, coffee, spices, and food-flavoring extracts. 184,878-9; Jan. 1.
Van Horn, Olive A., doing business as Vel-O-Rose Chemical Company, New York, N. Y. Liquid cold cream. 185,942; Jan. 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Van Vleet-Mansfield Drug Co., Memphis, Tenn. Rheumatic compound, female vigorator, antiseptic, etc. 168,655; Jan. 1.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Writing tablets and paper, envelopes, rubber bands, etc. 186,730; Jan. 1.
Vaporine Chemical Company. (See Barlow, James F.)
Vegetable Oil Products Company, Philadelphia, Pa. Vegetable oils for food purposes. 186,765; Jan. 1.
Vel-O-Rose Chemical Company. (See Van Horn, Olive A.)
Vio-Glen Chemical Company. (See Herrin, George J.)
Voter, G. H., Inc., Boston, Mass. Icemen's back aprons. 182,630; Jan. 1.
Walther & Company, New York, N. Y. Papers. 174,044; Jan. 1.
Wanamaker, John, New York, New York, N. Y. Golf balls. 187,972; Jan. 1.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes. 187,893; Jan. 1.
Wander Company, The, Chicago, Ill. Colloidal hydroxide of aluminum. 186,451; Jan. 1.
Ward Baking Company, New York, N. Y. Bread. 186,816; Jan. 1.
Waring Hat Manufacturing Corporation, Yonkers, N. Y. Hats and caps. 183,680; Jan. 1.
Webster, Dick & Co., Yankton, S. Dak. Wire hairpins. 173,218; Jan. 1.
Weinheimer, Frederick, Buffalo, N. Y. Package outfits containing materials to be embroidered and the necessary amount of silk or cotton for same. 186,172; Jan. 1.
Weinstein Manufacturing Company, New York, N. Y. Men's and boys' caps. 185,351; Jan. 1.
Welch Battery Co., Flint, Mich. Battery and rectifier plates, cell caps, etc. 180,635; Jan. 1.
Westkin Corporation, The, New York, N. Y. Cleansing compositions and spot removers. 176,701; Jan. 1.
White, James F., & Co. Inc., New York, N. Y. Jute piece goods. 186,754; Jan. 1.
White Stokes Co., Inc., Chicago, Ill. Semiprepared fondant or base. 178,790; Jan. 1.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper, mailing envelopes, and papeteries. 188,351; Jan. 1.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 185,776; Jan. 1.
Winston, Harper, Fisher Company, Minneapolis, Minn. Writing and wrapping paper. 187,238; Jan. 1.
Woolley, Daniel P., New York, N. Y. Bread. 163,066; Jan. 1.
Worshowsky, Benn, doing business as Worsh's Myra Mfg. Co., Philadelphia, Pa. Ointments for the treatment of eczema and skin diseases, dandruff remover, and hair grower. 183,093; Jan. 1.
Yakima Candy Co., Yakima, Wash. Candies, candy bars, salted nuts, and nut bars. 174,226; Jan. 1.
Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 185,328; Jan. 1.
Yellow Cab Manufacturing Co., Chicago, Ill. Automobile omnibuses. 186,038; Jan. 1.
Zane Shoe Co., The, Zanesville, Ohio. Children's and misses' shoes. 184,575; Jan. 1.
Zurn, O. F., Company, Incorporated, Philadelphia, Pa. Lubricating oils. 186,535; Jan. 1.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Cement and composition floors, etc., Abrasive material for impregnating. Abrasive Company. 177,940; Jan. 1; Serial No. 165,978; published Oct. 16, 1923.
Coal. Kearns Coal Company. 177,857; Jan. 1; Serial No. 182,246; published Oct. 16, 1923.
Core binder. J. S. McCormick Company. 177,871; Jan. 1; Serial No. 179,810; published Oct. 16, 1923.
Corn, Seed. C. A. Barden. 177,859; Jan. 1; Serial No. 181,928; published Oct. 16, 1923.
Leather. Schoellkopf Co. 177,943; Jan. 1; Serial No. 151,102; published Oct. 16, 1923.
Skins and pelts. A. Pierini. 177,873; Jan. 1; Serial No. 178,768; published Oct. 16, 1923.
Wool, hides, and skins. Trident Traders, Inc. 177,860; Jan. 1; Serial No. 182,021; published Oct. 16, 1923.

CLASS 2.

Bags, Shopping. B. Katz & Son. 177,987; Jan. 1; Serial No. 185,467; published Oct. 16, 1923.
Box shooks. Pelican Bay Lumber Company. 177,928-9; Jan. 1; Serial Nos. 184,361-2; published Oct. 16, 1923.
Cans, Tin. Evans Self Sealing Can Co. 178,026; Jan. 1.
Drums and containers, Shipping. Fibre Container Company. 178,032; Jan. 1.
Egg and poultry cases. Butts & Miller Co. 177,909; Jan. 1; Serial No. 183,136; published Oct. 16, 1923.
Paper bags. Wortendyke Manufacturing Co. 177,906; Jan. 1; Serial No. 183,546; published Oct. 16, 1923.

CLASS 3.

Bits, stirrups, spurs, etc. F. Eglington. 178,002; Jan. 1; Serial No. 180,368; published Oct. 16, 1923.

CLASS 4.

Automobile tops, Preparation for coloring and waterproofing. J. L. Comeaux. 178,035; Jan. 1.
Soap, Toilet. Graham Bros. Soap Co. 178,024; Jan. 1.
Soaps and industrial cleaning compounds. Greasalt Products Corporation. 177,953; Jan. 1; Serial No. 176,826; published Oct. 2, 1923.
Tablets, Laundry. H. G. Zelle. 178,040; Jan. 1.

CLASS 5.

Paper size, Wall-. Colonial Works. 178,010; Jan. 1; Serial No. 179,586; published Oct. 16, 1923.
Tape and splicing compound, Friction. E. R. Bryant. 177,923; Jan. 1; Serial No. 184,380; published Oct. 16, 1923.

CLASS 6.

Antiseptics. Chemische Fabrik auf Actien, vormals E. Schering. 24,188; renewed Feb. 6, 1924.
Chemical and pharmaceutical preparations. Actiengesellschaft für Anilin Fabrikation. 24,418; renewed Mar. 27, 1924.
Chemicals, medicines, and pharmaceutical preparations. Western Druggist Association. 177,898; Jan. 1; Serial No. 160,783; published Feb. 13, 1923.
Confectionery. Callard & Bowser. 24,620; renewed May 1, 1924.
Lactyl derivatives of paraphenetidin. C. F. Boehringer & Sohne. 24,643; renewed May 1, 1924.
Medical compound. Dahl & Company. 24,357; renewed Mar. 13, 1924.
Medicinal agents. Firm of E. Merck. 24,093; renewed Jan. 23, 1924.
Medicinal preparations for colds and constipation. S. R. Dighton. 178,013; Jan. 1; Serial No. 178,499; published July 10, 1923.
Medicine for goiter swellings, etc., Proprietary. M. E. Ball. 177,884; Jan. 1; Serial No. 174,606; published May 29, 1923.
Medicine to regulate the stomach, liver, and bowels, etc. W. Sylvester. 177,893; Jan. 1; Serial No. 164,622; published Mar. 20, 1923.
Oil of roses. G. Lueders. 23,883; renewed Nov. 28, 1923.
Remedies for throat diseases. Apoth. Strehler & Co. 24,013; renewed Jan. 9, 1924.

CLASS 7.

Cords, twines, ropes, and lines. Granite Cordage Company. 177,986; Jan. 1; Serial No. 185,578; published Oct. 16, 1923.
Rope and twine. Portland Cordage Co. 177,938; Jan. 1; Serial No. 184,100; published Oct. 16, 1923.
Rope, Java hemp-fiber. Hooven & Allison Company. 177,897; Jan. 1; Serial No. 159,868; published Oct. 16, 1923.
Twine. Portland Cordage Co. 177,989; Jan. 1; Serial No. 185,187; published Oct. 16, 1923.
Twine, Wrapping. American Mills Company. 177,920; Jan. 1; Serial No. 184,808; published Oct. 16, 1923.

CLASS 8.

Cigarette paper. N. S. Stephenson. 177,945; Jan. 1; Serial No. 184,771; published Oct. 16, 1923.

CLASS 10.

Fertilizers. C. A. B. Zook. 177,921; Jan. 1; Serial No. 184,884; published Oct. 16, 1923.
Fertilizers. C. A. B. Zook. 177,991; Jan. 1; Serial No. 184,886; published Oct. 16, 1923.
Houses and lumber. Lewis Manufacturing Co. 178,039; Jan. 1.
Plaster wall board. Buttonlath Manufacturing Co. 178,048; Jan. 1.

CLASS 13.

Braces, bolts, nails, screws, etc. Stanley Works. 24,562; renewed Apr. 17, 1924.
Pipe fittings, stopcocks, and double packed stopcocks, etc., Metal. Victory Manufacturing Co. 177,874; Jan. 1; Serial No. 179,565; published Oct. 30, 1923.

CLASS 14.

Wire, Steel, iron and copper. Washburn & Moen Manfg. Company. 24,805; renewed May 29, 1924.

CLASS 15.

Candles. Standard Oil Company. 177,890; Jan. 1; Serial No. 165,834; published Oct. 16, 1923.
Candles. Standard Oil Company. 177,892; Jan. 1; Serial No. 165,836; published Oct. 16, 1923.
Candles. Standard Oil Company. 177,894; Jan. 1; Serial No. 165,838; published Oct. 16, 1923.
Candles. Standard Oil Company. 177,895; Jan. 1; Serial No. 165,828; published Oct. 16, 1923.
Candles. Standard Oil Company of New York. 177,912; Jan. 1; Serial No. 183,045; published Oct. 16, 1923.
Gasoline. J. W. Inman. 177,936; Jan. 1; Serial No. 181,900; published Oct. 16, 1923.
Gasoline, lubricating oils and greases. Julian Petroleum Corporation. 177,922; Jan. 1; Serial No. 184,408; published Oct. 16, 1923.
Oil for heating purposes. Standard Oil Company of New York. 178,034; Jan. 1.
Oil, Lubricating. Washington Accessories Co. 178,044; Jan. 1.
Oil, Motor fuel. Barnsdall Refining Company. 177,893; Jan. 1; Serial No. 183,234; published Oct. 16, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 177,901; Jan. 1; Serial No. 183,893; published Oct. 16, 1923.
Petroleum jelly. Standard Oil Company. 177,886; Jan. 1; Serial No. 171,662; published Oct. 16, 1923.
Petroleum, kerosene, gasoline, etc. C. G. Wisick. 177,870; Jan. 1; Serial No. 179,310; published Sept. 18, 1923.

CLASS 16.

Carbinbum. Muralo Company. 178,019; Jan. 1.
Cleaning and polishing compound. Amberite Products Company. 177,919; Jan. 1; Serial No. 182,539; published Oct. 16, 1923.
Paint for dampproofing. Detroit Graphite Company. 178,051; Jan. 1.
Varnish. Atlantic Varnish Works, Inc. 178,045; Jan. 1.

CLASS 17.

Cigars, cigarettes, and tobacco. J. O. Campbell. 177,964; Jan. 1; Serial No. 180,244; published Oct. 3, 1922.
Tobacco. Jaeger-Kunnert Co. 177,850; Jan. 1; Serial No. 185,021; published Oct. 23, 1923.

CLASS 18.

Automobile luggage-carrier attachment. W. G. Dunn. 178,021; Jan. 1.
Automobile vehicles, Wheels for. Motor Wheel Corporation. 177,877; Jan. 1; Serial No. 177,191; published Oct. 16, 1923.
Automobiles and motor-trucks, etc. Goodyear Tire & Rubber Company. 177,948; Jan. 1; Serial No. 169,490; published Oct. 16, 1923.
Bobsleds. Abraham & Straus, Inc. 177,924; Jan. 1; Serial No. 182,590; published Oct. 16, 1923.
Cars, Railway gasoline motor. Mudge & Company. 177,849; Jan. 1; Serial No. 180,443; published Oct. 16, 1923.
Cars, Railway gasoline motor. Mudge & Company. 177,867; Jan. 1; Serial No. 180,451; published Oct. 16, 1923.
Cars, Railway gasoline motor. Mudge & Company. 177,869; Jan. 1; Serial No. 180,445; published Oct. 16, 1923.
Shock absorbers for automobiles. Auto Specialties Manufacturing Co. 177,944; Jan. 1; Serial No. 154,718; published Oct. 16, 1923.
Taxicabs. Barley Motor Car Company. 177,861; Jan. 1; Serial No. 182,123; published Oct. 16, 1923.
Vehicle cushion. R. A. Elbend. 177,863; Jan. 1; Serial No. 181,518; published Oct. 16, 1923.

CLASS 22.

Bats, Baseball. Hillerich & Bradsby Co. 177,922; Jan. 1; Serial No. 184,729; published Oct. 16, 1923.
Cards, Playing. United States Playing Card Company. 177,926; Jan. 1; Serial No. 184,271; published Oct. 16, 1923.
Cards, Playing. United States Playing Card Company. 177,931; Jan. 1; Serial No. 184,270; published Oct. 16, 1923.
Cards, Playing. United States Playing Card Company. 177,934; Jan. 1; Serial No. 184,269; published Oct. 16, 1923.
Dolls. Nelke Corporation. 177,900; Jan. 1; Serial No. 183,936; published Oct. 16, 1923.
Game, Racket. D. Fairbanks. 177,902; Jan. 1; Serial No. 183,624; published Oct. 16, 1923.
Golf clubs. Crawford McGregor & Canby Company. 177,907; Jan. 1; Serial No. 183,556; published Oct. 16, 1923.
Mitts. C. Fritz. 177,990; Jan. 1; Serial No. 185,013; published Oct. 16, 1923.
Rubber dolls. Perfection Rubber Company. 177,930; Jan. 1; Serial No. 184,963; published Oct. 16, 1923.

CLASS 29.

Brushes. Artists' paint. United Brush Manufactories. 177,986; Jan. 1; Serial No. 185,390; published Oct. 16, 1923.
Brushes, Teeth, complexion, and hand. Geo. B. Gibson & Co. 177,949; Jan. 1; Serial No. 184,496; published Oct. 16, 1923.

CLASS 32.

Chest, Cedar. Ed. Roos Company of Forest Park. 178,025; Jan. 1.

CLASS 34.

Stoves and ranges. Favorite Stove and Range Company. 23,886; renewed Nov. 28, 1923.

CLASS 35.

Belting, Machinery. Manhattan Rubber Mfg. Co. 178,033; Jan. 1.
Fire hose, Linen. Wm. & Chas. Beck, Inc. 177,975; Jan. 1; Serial No. 176,873; published Oct. 16, 1923.
Fire hose, Linen. Wm. & Chas. Beck, Inc. 177,976; Jan. 1; Serial No. 176,875; published Oct. 16, 1923.
Rubber belting. E. C. Atkins & Company. 177,966-C; Jan. 1; Serial Nos. 180,577-8; published Oct. 16, 1923.
Tire covers. Packard Motor Car Company. 177,980; Jan. 1; Serial No. 180,385; published Oct. 16, 1923.
Tires and tubes for vehicles. American Auto Accessories Stores. 177,985; Jan. 1; Serial No. 179,570; published Oct. 2, 1923.
Tires for automobiles and rubber inner tubes for pneumatic tires. Columbia Tire Corporation. 177,956; Jan. 1; Serial No. 182,136; published Oct. 16, 1923.

CLASS 37.

Envelopes and paper for making same. J. W. Butler Paper Co. 177,978; Jan. 1; Serial No. 182,126; published Oct. 16, 1923.
Fiber board. Stevens Paper Mills, Inc. 177,854; Jan. 1; Serial No. 182,891; published Oct. 16, 1923.
Letter sheet and advertising folders, Combined. Dual-Use Company. 177,853; Jan. 1; Serial No. 182,508; published Oct. 16, 1923.
Paper and envelopes and crape paper, Letter. Julius Baumgarten & Söhne Vereinigte Papierwarenfabriken Kommanditgesellschaft. 177,872; Jan. 1; Serial No. 178,158; published Oct. 16, 1923.
Paper and envelopes, Writing. The Fair. 177,853; Jan. 1; Serial No. 182,793; published Oct. 16, 1923.
Paper, Cover. Peninsular Paper Company. 177,851; Jan. 1; Serial No. 183,930; published Oct. 16, 1923.
Paper napkins. Tissue Company. 177,855; Jan. 1; Serial No. 183,906; published Oct. 16, 1923.
Paper, Wrapping. Nekoosa-Edwards Paper Company. 177,946; Jan. 1; Serial No. 184,746; published Oct. 16, 1923.
Paper, Wrapping. H. L. Tetamore. 177,968; Jan. 1; Serial No. 182,941; published Oct. 2, 1923.
Papers, tablets, notebooks, Crape, etc. Duluth Paper and Stationery Co. 177,865; Jan. 1; Serial No. 181,437; published Oct. 16, 1923.
Pencils, pencil holders, etc. Lead. A. W. Faber. 177,941; Jan. 1; Serial No. 169,961; published Oct. 16, 1923.

CLASS 38.

Magazine or pamphlet, Weekly periodical. J. W. McClure. 177,848; Jan. 1; Serial No. 180,482; published Sept. 18, 1923.

CLASS 39.

Aprons. C. L. Scovil. 177,967; Jan. 1; Serial No. 182,938; published Oct. 16, 1923.
Aprons, dresses. F. Vogel's Son and Company. 177,962; Jan. 1; Serial No. 176,585; published Oct. 16, 1923.
Boots and shoes. Blachford Shoe Mfg. Co. 178,027; Jan. 1.
Boots and shoes of leather. Corson Shoe Manufacturing Company. 177,891; Jan. 1; Serial No. 171,205; published July 3, 1923.
Brassières and girdles. George C. Batcheller & Co. 178,028; Jan. 1.
Caps and soft hats. S. Goldstein. 178,030; Jan. 1.
Clothing. H. R. Mallinson & Co. 177,950; Jan. 1; Serial No. 176,085; published Oct. 16, 1923.
Clothing for men. Joseph H. Cohen & Sons. 177,974; Jan. 1; Serial No. 181,246; published Oct. 16, 1923.
Coats and vests, Men's and boys' sheep-lined. Simon Blum, Incorporated. 177,960; Jan. 1; Serial No. 180,415; published Oct. 16, 1923.
Coats, cloaks, wraps, capes, etc. Amertex Mills, Inc. 177,957; Jan. 1; Serial No. 160,852; published Aug. 14, 1923.
Corsets. Peerless Corset Co. 178,023; Jan. 1.
Corsets, brassières, and underwear. Kops Bros. 177,932-3; Jan. 1; Serial Nos. 184,247-8; published Oct. 16, 1923.
Corsets, brassières, combination corsets and brassières, etc. Nichols Underwear Corporation. 177,939; Jan. 1; Serial No. 184,144; published Oct. 16, 1923.
Cravats. Broadway Neckwear Co. 178,037; Jan. 1.
Creepers, rompers, suits, and dresses, Children's. Woodward & Bowman. 177,951; Jan. 1; Serial No. 176,398; published Oct. 16, 1923.
Dresses. Elizabeth P. Jones, Inc. 178,036; Jan. 1.
Dresses and frocks, Children's. L. B. Wilde. 177,959; Jan. 1; Serial No. 167,666; published Mar. 27, 1923.
Hats, Ladies'. H. M. Kerlé. 178,015; Jan. 1.
Hose, Men's. Parker-Bridget Company. 177,966; Jan. 1; Serial No. 182,929; published Oct. 16, 1923.

Hose supporters. American Narrow Fabric Company. 178,029; Jan. 1.
Hosiery. Anderson Hosiery Mills. 177,935; Jan. 1; Serial No. 184,155; published Oct. 16, 1923.
Hosiery. Corticelli Silk Company. 177,924; Jan. 1; Serial No. 184,385; published Oct. 16, 1923.
Hosiery. Harrington & Waring. 177,976; Jan. 1; Serial No. 181,277; published Oct. 16, 1923.
Hosiery. Marshall Field & Company. 177,975; Jan. 1; Serial No. 181,269; published Oct. 16, 1923.
Hosiery. May Hosiery Mills, Inc. 177,981; Jan. 1; Serial No. 180,544; published Oct. 16, 1923.
Hosiery, underwear, sweaters, and neckties. Red Mill Hosiery Company. 177,970; Jan. 1; Serial No. 182,770; published Oct. 16, 1923.
Knitted bathing suits, sweaters, jackets, and scarfs. S. L. Gilbert & Co. 177,937; Jan. 1; Serial No. 184,241; published Oct. 16, 1923.
Knitted underwear, hosiery, and neckties. Keedy, Pfaff & Co. 177,969; Jan. 1; Serial No. 182,754; published Oct. 16, 1923.
Nightshirts, nightgowns, pyjamas, underwear. Faultless Nightwear Corporation (E. Rosenfeld & Co.) 178,041; Jan. 1.
Overalls, shirts, jumpers, coats, and pants. Keet & Roundtree Dry Goods Co. 177,965; Jan. 1; Serial No. 182,975; published Oct. 16, 1923.
Overalls, trousers, and work shirts. Atlantic Overall & Shirt Co. 177,954; Jan. 1; Serial No. 173,992; published June 5, 1923.
Overcoats, coats, vests, trousers. Zurkow & Graff. 177,977; Jan. 1; Serial No. 181,064; published Oct. 16, 1923.
Overcoats, raincoats, sport suits, etc. Heidelberg, Wolff & Co. 178,007; Jan. 1; Serial No. 179,724; published Oct. 16, 1923.
Overcoats, raincoats, vests, trousers, etc. Style-Center Tailoring Company. 177,881; Jan. 1; Serial No. 175,831; published Aug. 28, 1923.
Overcoats, smoking jackets, golf suits, etc. Heidelberg, Wolff & Co. 178,008; Jan. 1; Serial No. 179,726; published Oct. 16, 1923.
Pyjamas and nightshirts. American Wholesale Corporation. 177,962; Jan. 1; Serial No. 128,994; published Oct. 16, 1923.
Raincoats. Gillette Rubber Company. 177,879; Jan. 1; Serial No. 165,950; published Apr. 3, 1923.
Raincoats. New York Mackintosh Clothing Company. 177,960; Jan. 1; Serial No. 167,734; published Oct. 16, 1923.
Shirts. Padin Brothers. 177,882; Jan. 1; Serial No. 176,688; published Oct. 16, 1923.
Shirts, collars, etc., Men's. H. Clair. 178,042; Jan. 1.
Shirts, Negligee. Rainbow Shirt Corp. 178,052; Jan. 1.
Shirts, pyjamas, etc. Robert H. Newell & Co. 178,046; Jan. 1.
Shirts, ties, etc. New Process Company. 178,038; Jan. 1.
Shirts, Work. Rombro Brothers. 177,903; Jan. 1; Serial No. 183,633; published Oct. 16, 1923.
Shirts, Work. Worthy Manufacturing Company. 177,927; Jan. 1; Serial No. 184,313; published Oct. 16, 1923.
Skirts. S. Kanner. 177,955; Jan. 1; Serial No. 174,662; published Oct. 16, 1923.
Suits and overcoats. J. Wishnevitz. 177,984; Jan. 1; Serial No. 179,251; published Oct. 16, 1923.
Suits, overcoats, and raincoats, Men's, boys', and children's. Wallerstein Bros. 177,973; Jan. 1; Serial No. 182,686; published Oct. 16, 1923.
Sweaters, scarfs, bathing suits, etc. Puritan Knitting Mills. 177,983; Jan. 1; Serial No. 177,690; published Oct. 16, 1923.
Sweaters, toques, scarfs, pull-overs, etc. Republic Knitting Co. 177,963; Jan. 1; Serial No. 167,443; published Nov. 28, 1922.
Underwaists, Children's. W. T. Grant Company. 178,049; Jan. 1.
Underwear, Men's and boys'. Litewear Manufacturing Company. 177,956; Jan. 1; Serial No. 175,934; published Oct. 16, 1923.
Underwear, Textile. L. K. Whitbeck. 177,905; Jan. 1; Serial No. 183,428; published Oct. 16, 1923.
Underwear, Women's knitted. Royal Underwear Company. 177,994; Jan. 1; Serial No. 183,670; published Oct. 16, 1923.
Waists and underwear, Children's. Thos. P. Taylor Co. 177,935; Jan. 1; Serial No. 184,222; published Oct. 16, 1923.

CLASS 42.

Cotton duck, Bleached. Turner, Halsey Co. 177,889; Jan. 1; Serial No. 174,158; published June 19, 1923.
Sateen piece goods. Voss & Stern. 178,011; Jan. 1; Serial No. 179,693; published July 17, 1923.
Sheetings and pillowcases. Service Equipment Co. 177,947; Jan. 1; Serial No. 183,237; published Oct. 16, 1923.
Silk piece goods. Oriental Silk Printing Company. 178,012; Jan. 1; Serial No. 179,318; published June 12, 1923.
Tablecloths, napkins, doilies, etc. John C. Sleater Co. 177,878; Jan. 1; Serial No. 177,701; published July 10, 1923.

CLASS 44.

Manicure files. C. J. Bates & Son. 177,885; Jan. 1; Serial No. 175,294; published Oct. 16, 1923.

CLASS 45.

Beverage and syrups used in the preparation of same. F. B. Lomax. 178,043; Jan. 1.

CLASS 46.

Apples and pears, Fresh. B. F. Sellers. 177,914; Jan. 1; Serial No. 182,618; published Oct. 16, 1923.
Apples, Fresh. Inwood Fruit Growers Club. 177,887; Jan. 1; Serial No. 172,333; published Oct. 16, 1923.
Beverage. G. Weinstein. 177,915; Jan. 1; Serial No. 182,632; published Oct. 16, 1923.
Candies. Mary Fraser Candies, Inc. 178,014; Jan. 1; Serial No. 179,366; published Oct. 16, 1923.
Candies and other sugar products. A. L. Boyd. 177,888; Jan. 1; Serial No. 173,697; published Oct. 16, 1923.
Candy. Cola Gems Company. 177,917; Jan. 1; Serial No. 182,332; published Oct. 16, 1923.
Candy. C. A. Crane. 177,911; Jan. 1; Serial No. 183,023; published Oct. 16, 1923.
Candy. Rogers Candy Company. 177,913; Jan. 1; Serial No. 182,612; published Oct. 16, 1923.
Candy. Rogers Candy Company. 177,972; Jan. 1; Serial No. 182,614; published Oct. 16, 1923.
Candy. A. Saulpaugh. 177,919; Jan. 1; Serial No. 181,912; published Oct. 16, 1923.
Canned fish. J. Madison. 177,880; Jan. 1; Serial No. 178,611; published Oct. 16, 1923.
Canned olive oil. Michele Ajello Co. 178,009; Jan. 1; Serial No. 179,448; published Oct. 16, 1923.
Canned salmon. Bankers Discount Corporation. 177,982; Jan. 1; Serial No. 180,823; published Oct. 16, 1923.
Canned shrimp. A. Oemler. 178,005; Jan. 1; Serial No. 180,807; published Oct. 16, 1923.
Canned vegetables. Minnesota Valley Canning Company. 177,997; Jan. 1; Serial No. 181,300; published Oct. 16, 1923.
Cheese. A. H. Barber & Co. 178,017; Jan. 1.
Dessert pudding powders. R. & W. Products Co. 177,899; Jan. 1; Serial No. 182,267; published Oct. 16, 1923.
Feed, Poultry. Clark, Burkle & Co. 178,021; Jan. 1.
Feed, Poultry. Consolidated Rendering Company. 178,050; Jan. 1.
Figs, Preserved. F. B. Wilkins. 178,016; Jan. 1.
Figs, sun-dried raisins, shelled nuts, etc., Preserved. G. Viachos. 178,000; Jan. 1; Serial No. 180,913; published Oct. 16, 1923.
Fruits, Fresh citrous. W. G. Roe. 177,883; Jan. 1; Serial No. 177,408; published Oct. 16, 1923.
Gelatin used as a food or as ingredient of foods. Lijmen-Gelatinefabriek-Delft. 177,961; Jan. 1; Serial No. 173,332; published Oct. 16, 1923.
Grapefruit. Kopf Bros. Co. 177,948; Jan. 1; Serial No. 183,451; published Oct. 16, 1923.
Gum, Wax chewing. Sweetman Company. 177,958; Jan. 1; Serial No. 181,587; published Oct. 16, 1923.
Hams and bacons. Arthur E. Dorr & Co. 177,896; Jan. 1; Serial No. 159,852; published Oct. 16, 1923.
Jelly compound, Pure-fruit. C. L. Weston. 177,910; Jan. 1; Serial No. 182,781; published Oct. 16, 1923.
Macaroni products. Keystone Macaroni Manufacturing Company. 177,996; Jan. 1; Serial No. 181,133; published Oct. 16, 1923.
Macaroni products. Keystone Macaroni Manufacturing Company. 177,998-9; Jan. 1; Serial Nos. 181,131-2; published Oct. 16, 1923.
Macaroni products. Keystone Macaroni Manufacturing Company. 178,001; Jan. 1; Serial No. 181,129; published Oct. 16, 1923.
Macaroni, spaghetti, noodles, etc. Randazzo Macaroni Mfg. Co. 177,992; Jan. 1; Serial No. 156,862; published Oct. 16, 1923.
Malt extracts for food purposes. MalVaz Malt Extract Company. 178,003; Jan. 1; Serial No. 180,481; published Oct. 16, 1923.
Milk, Malted. Horlick's Malted Milk Company. 177,995; Jan. 1; Serial No. 181,526; published Oct. 16, 1923.
Mints, cream bars, etc., Chocolate-covered. Candy Sales Corporation. 177,908; Jan. 1; Serial No. 183,361; published Oct. 16, 1923.
Oil, Edible. Corn Products Refining Company. 178,006; Jan. 1; Serial No. 180,272; published Oct. 16, 1923.
Peanuts, Shelled. G. Dugdale. 178,047; Jan. 1.
Pop corn. H. A. Kesting. 177,971; Jan. 1; Serial No. 182,420; published Oct. 16, 1923.
Poultry, Dressed. Swift and Company. 178,018; Jan. 1.
Preparation for use as a frosting, icing, etc. E. E. Curtis. 178,004; Jan. 1; Serial No. 180,753; published Oct. 16, 1923.
Preserves, Fruit. W. H. Pride & Co. 178,022; Jan. 1.
Sugar, Maple. F. M. Pike. 177,979; Jan. 1; Serial No. 179,883; published Oct. 16, 1923.

CLASS 48.

Malt extract and sirup. J. A. Callegari. 177,852; Jan. 1; Serial No. 184,710; published Oct. 30, 1923.
Malt extracts. J. E. Magnus. 177,994; Jan. 1; Serial No. 180,863; published Oct. 16, 1923.

CLASS 49.

Brandy. Geo. Sayer & Co. 23,889; renewed Nov. 28, 1923.

ALPHABETICAL LIST OF LABELS.

American Beauty Clay. For Facial Massage Clay. L. W. Cottrell. 26,740; Jan. 1.
Arkwright Tracing Cloth. For Tracing Cloth. Arkwright Finishing Company. 26,736; Jan. 1.
Bleacho Straw Hat Cleaner. For a Powder for Cleaning Straw Hats. J. H. Harp. 26,751; Jan. 1.
California Special. For Fruit Candy, Chocolate Coated. W. G. Wise Fruit Chocolate Company. 26,773; Jan. 1.
Country Club Bread. For Bread. Moquin's Bakery, Inc. 26,757; Jan. 1.
Farmer's Union Fruit Department. For Apple Boxes. Farmers Educational and Co-operative Union of America, Division of Wash. and N. Idaho. 26,742; Jan. 1.
Gem "Quick as a Wink." For a Polish for Glass, Metal, White Shoes, Enamel, and Woodwork. Gem Polish Manufacturing Company. 26,743; Jan. 1.
Golden Heart Brand. For Canned Grapefruit. Santoni Fruit & Packing Corporation. 26,765; Jan. 1.
Goodyear's Gold Medal Self Vulcanizing Tube Repair Cement Test-The-Tensile. For Use in a Tube-Repair Kit. As a Cleaner. Goodyear Rubber Company. 26,744; Jan. 1.
Grainol Sun Brand. For Denatured Alcohol. Cragin Products Co. 26,741; Jan. 1.
Helmholz Shoes Milwaukee. For Shoes. Helmholz Shoe Manufacturing Company. 26,749; Jan. 1.
Hi-Klass. For Mixed Vegetables for Soup. O. A. Hartlove. 26,748; Jan. 1.
Humdinger. For Cakes and Cookies. Grennan Cake Corporation. 26,746; Jan. 1.
Iridio. For a Proprietary Medicine for Physicians' Prescriptions, Alterative and Systemic. W. D. P. Aims. 26,735; Jan. 1.
Just try me. For Candy and Confectionery. G. Sheopoolos. 26,767; Jan. 1.
Khaki Coat. For a Coating Preparation for Khaki Automobile Tops and Other Light Materials. Newport & White Company. 26,759; Jan. 1.
Ko-Z-Foot. For a Corn Cure. L. Lewis. 26,752; Jan. 1.
Magic Washing Water. For Crystalline and Javelle Water. A. Michaels. 26,756; Jan. 1.
Mar-Vel-O. For Beauty Paste. Mar-Vel-O Company. 26,754; Jan. 1.
Marie's Dainties. For Candy and Confectionery. G. Sheopoolos. 26,769; Jan. 1.
Mashed Potatoes. For Mashed Potatoes. Corticelli and Gaybrant. 26,739; Jan. 1.
Mayflower. For Tapering Candles. F. Marty & Co. 26,755; Jan. 1.
Miss California Beautifier. For Face Paste or Powder. Wallace B. Blakeley & Co. 26,737; Jan. 1.
Never A Kick On Kangaroo Roofing & Shingles. For Roofing and Shingles. W. N. Parrish. 26,764; Jan. 1.
North Pole. For Chocolate Containers for Dispensing Ice Cream and Other Substances Pertaining to Confections. North Pole Products Company. 26,760; Jan. 1.
Nulusta Brass Polish. For Brass Polish. Nulusta Company. 26,763; Jan. 1.
Nulusta Nickel Polish. For Nickel Polish. Nulusta Company. 26,762; Jan. 1.
Nulusta Silver Polish. For Silver Polish. Nulusta Company. 26,761; Jan. 1.
Open Trail. For Plums. Joe Green Estate. 26,745; Jan. 1.
Poll Parrott Swing. For a Child's Swing. White Mop Wringer Company. 26,772; Jan. 1.
Red Head. For Canned Tomatoes. McKeon Canning Co. 26,753; Jan. 1.
Roofing is Waterproofing. For Shingles, Roofing Material, and Roofing-Material Supplies. Chicago Waterproofing Co. 26,738; Jan. 1.
Rosebud. For Candy and Confectionery. G. Sheopoolos. 26,768; Jan. 1.
Silent Salesman. For Vending Machines. J. Morris. 26,758; Jan. 1.
Star Brand Pure Copper Radio Antennae Wire. For Radio Wire. U. T. Hungerford Brass and Copper Co. 26,750; Jan. 1.
The Master Gauge. For Pneumatic-Tire Tubes and Valves Therefor. Visible Gauge-Valve Corporation. 26,771; Jan. 1.
Tucky Home Spice Cake. For Cake. Grennan Cake Corporation. 26,747; Jan. 1.
"U" Can Solder. For Soft Solder. Service Products Company. 26,766; Jan. 1.
United States Dry. For Ginger Ale. Standard Beverage Corporation. 26,770; Jan. 1.

ALPHABETICAL LIST OF PRINTS.

Clear as a Bell. For Phonographs. J. E. Ward. 7,119; Jan. 1.
Cloverdale. For Dairy Products, namely Milk and Cream. J. E. Ward. 7,118; Jan. 1.
Does More Than Soap. For a Soap Known as "Chex." Pioneer Products Co. 7,113; Jan. 1.
For Health and Happiness. For Ice Cream. J. E. Ward. 7,117; Jan. 1.
Hightone Kut IV In the Twilyte-Ra Lenzes. For Spectacle, Eyeglass, and Colored Lenses. W. B. Georgia. 7,111; Jan. 1.
Holds the main Key Separate from the Rest. For Key-Carrying Chains. B. Urich. 7,115; Jan. 1.
National Zwieback. For Zwieback. National Biscuit Company. 7,112; Jan. 1.
Purity and Deliciousness. For Carbonated Beverages. J. E. Ward. 7,116; Jan. 1.
The Leather That Qualifies. For Leather. A. O. Trostel. 7,114; Jan. 1.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. Slattery Bros. 188,140; Jan. 1.
Sand and ground fire clay. E. C. Humphreys & Brother Co. 179,206; Jan. 1.
Skins, Chamois. Henry Koerner & Company. 187,871; Jan. 1.
Skins, Lamb. M. Dretwitz. 185,921; Jan. 1.

CLASS 4.

Abrasive paper and cloth. H. H. Barton & Son Co. 187,451; Jan. 1.
Cleansing compositions and spot removers. Westkin Corporation. 176,701; Jan. 1.
Cleansing powder. P & M Products Company. 187,068; Jan. 1.
Cleansing preparation and a swab impregnated with a vision-clarifying solution, Window and windshield. A. M. Bowman. 182,460; Jan. 1.
Paper cleaner, Wall. Kroger Grocery & Baking Co. 187,224; Jan. 1.
Paper, emery cloth, etc., Garnet polishing. H. H. Barton and Son Co. 187,193; Jan. 1.
Polish and stove enamel, Stove. O. C. Becker. 187,080; Jan. 1.
Polish, Stove. W. S. Montgomery. 187,690; Jan. 1.
Polish, Stove and shoe. Mrs. M. Frizzell. 187,619; Jan. 1.
Shaving compound. S. I. Barnett. 180,096; Jan. 1.
Soap, Liquid. F. L. Emmert. 187,411; Jan. 1.
Soap, Reducing. P. Lajugie. 187,824; Jan. 1.
Soaps. Davis & Lawrence Co. 181,822; Jan. 1.
Soaps. Parfumerie Roger & Gallet. 186,442; Jan. 1.
Washing powder, Cloth-. F. Tokeczky. 176,513; Jan. 1.

CLASS 6.

Antiseptic powder. M. G. Gibbs. 184,907; Jan. 1.
Antiseptics. Laboratory of Research Chemotherapy. 186,137; Jan. 1.
Baking powder. Hulman & Company. 184,612; Jan. 1.
Baking powder. John Sexton and Company. 187,772; Jan. 1.
Catarrh cream, nasal spray, and preparation for removing corns. M. G. Gibbs. 184,904; Jan. 1.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Colloidal hydroxide of aluminum. Wander Company. 186,451; Jan. 1.
Compound for destroying boll weevils. P. Koenig. 185,758; Jan. 1.
Compound for treatment of mange-infected hogs. P. A. Bragg. 184,539; Jan. 1.
Cream and wrinkle remover and face powder, Cleansing. V. McDonald. 183,391; Jan. 1.
Cream, Cold. K. Imai. 188,095; Jan. 1.
Cream, Cold. M. Ross. 188,134; Jan. 1.
Cream, Cold. E. R. Squibb & Sons. 180,630; Jan. 1.
Cream, Cold. O. A. Van Horn. 185,942; Jan. 1.
Cream, Hand. Bertin Manufacturing Company. 188,229; Jan. 1.
Cream, Reducing. E. Gallardo. 186,549; Jan. 1.
Creams and shampoos, Toilet. R. A. Kraus. 179,475; Jan. 1.
Deodorant preparations. B. M. Harrison. 184,549; Jan. 1.
Deodorant toilet powders. E. C. Parker. 186,152; Jan. 1.
Gland compound. Elkins Medicine Co. 188,046; Jan. 1.
Hair dye. Canute Co. 186,412; Jan 1.
Hair shampoo, hair curling and dyeing liquids, rouge, etc. L. B. Simonson. 183,169; Jan. 1.
Hair tonic. Lewis Bros., Inc. 187,872; Jan. 1.
Injection, Nonirritating urethral. A. M. Rovin. 185,878; Jan. 1.
Liniment. Felborn Pharmacal Co. 184,239; Jan. 1.
Liniments, medicinal preparations, etc. Furst-McNess Company. 183,267; Jan. 1.
Lotion for mouth and throat. Bafaline Laboratories, Inc. 187,788; Jan. 1.
Lotion, Hand. M. W. Sargeant. 185,092; Jan. 1.
Lotion, Reducing. Andrews & Pledger. 185,508; Jan. 1.
Lotion, Skin. M. G. Gibbs. 184,906; Jan. 1.
Medicinal compound. T. Koenig. 182,830; Jan. 1.
Medicinal preparation for piles. G. P. Rutherford. 185,043; Jan. 1.
Medicine. A. J. Calajoe. 185,287; Jan. 1.
Medicine. A. S. Reese. 186,203; Jan. 1.
Medicine for diseased feet. Ransom Chemical Company. 185,722; Jan. 1.
Medicine for treatment of venereal diseases. J. H. Crenshaw. 186,219; Jan. 1.
Mouth washes and tooth pastes. G. J. Herrin. 186,056; Jan. 1.
Ointment, Hair. Tarquin Manufacturing Co. 186,450; Jan. 1.
Ointment, Poultry lice. F. J. Stearns. 183,725; Jan. 1.
Ointments, dandruff remover and hair grower. B. Worshowsky. 183,093; Jan. 1.
Perfumes. John Wanamaker Philadelphia. 187,893; Jan. 1.
Perfumes and toilet preparations. Richard Hudnut. 183,881; Jan. 1.
Pills, Liver. J. F. Barlow. 184,956; Jan. 1.
Powder and cream, Face. Pompeian Mfg. Company. 185,312; Jan. 1.
Powders and creams, perfumes, etc., Face. P. E. Page. 186,149; Jan. 1.
Powders, Face. National Toilet Co. 188,057; Jan. 1.
Powders, Nail-polish. H. A. Clotworthy. 188,231; Jan. 1.
Preparation for miners' consumption. F. S. Caples. 186,875; Jan. 1.
Preparation for the relief of headaches, neuralgia, nervousness, etc. C. M. Remedy Co. 183,692; Jan. 1.
Preparation for the teeth. Marker Chemical Company. 186,560; Jan. 1.
Preparation for the treatment of asthma. J. H. Guild Company. 181,485; Jan. 1.
Preparation for the treatment of la grippe, influenza, and colds. F. S. Caples. 186,734; Jan. 1.
Preparation for the treatment of piles. W. Chopp. 185,780; Jan. 1.
Preparation for treatment of rheumatism. E. O. Cotton. 181,384; Jan. 1.
Prophylactic and general local antiseptics. Laboratory of Research Chemotherapy. 186,136; Jan. 1.
Rheumatic compound, female vigorator, antiseptic, etc. Van Vleet-Mansfield Drug Co. 188,655; Jan. 1.
Rouges. Est. Henry C. Miner, Inc. 188,158; Jan. 1.
Salve. Pancura Chemical Company. 185,014; Jan. 1.
Salve, Healing. J. Kleven. 186,327; Jan. 1.
Seno-mint. Abbott Laboratories. 186,537; Jan. 1.
Spray, Fly. General Laboratories. 188,239; Jan. 1.
Tablets for treatment of headaches, neuritis, colds, etc. P. H. Casey. 184,117; Jan. 1.
Tablets, Medicinal. Gibson-Howell Company. 186,550; Jan. 1.
Toilet waters, pastes, and powders and perfumery. E. Daltroff & Cie. 186,111; Jan. 1.
Tonic and purifier, Blood. A. M. J. Tuminelli. 186,488; Jan. 1.
Tonic, Bowel and system. F. S. Caples. 166,502; Jan. 1.
Tonic for swine. Moorman Mfg. Co. 184,558; Jan. 1.
Tonic, purgative, and liniment. L. W. Shellman. 183,168; Jan. 1.

CLASS 8.

Pipes. A. Lusuardi. 185,343; Jan. 1.

CLASS 9.

Matches. Taiyo Trading Co. 170,450; Jan. 1.

CLASS 11.

Inks. D. Gestetner Limited. 183,968-9; Jan. 1.

CLASS 12.

Bricks, Building. Standard Brick & Tile Company. 185,628; Jan. 1.
Fire-brick mortar, fire-brick cement, etc. A. P. Green Fire Brick Co. 185,337; Jan. 1.
Fire-insulating material. Union Asbestos & Rubber Company. 185,062; Jan. 1.

CLASS 13.

Nails. F. A. Neider Co. 186,287; Jan. 1.
Screw hooks, Locking. W. J. Colbert. 187,204; Jan. 1.
Sprays with rubber-tubing attachments, Bath. W. S. Grant Company. 181,184; Jan. 1.

CLASS 15.

Oils, Lubricating. O. F. Zurn Company. 186,535; Jan. 1.

CLASS 17.

Cigarettes. P. A. Sarsam Co. 188,441; Jan. 1.
Cigarettes, cigars, and smoking tobacco. General Tobacco Company. 187,308; Jan. 1.
Cigars. R. Schwartz. 187,492; Jan. 1.
Cigars, cigarettes, and smoking tobacco. D. Rangaves & Co. 185,840; Jan. 1.

CLASS 19.

Automobile omnibuses. Yellow Cab Manufacturing Co. 186,038; Jan. 1.
Automobile taxicabs. Yellow Cab Manufacturing Co. 185,328; Jan. 1.
Tire carriers. International Stamping Co. 187,314; Jan. 1.

CLASS 21.

Batteries, Storage. Radio Storage Battery Co. 174,488; Jan. 1.
Battery and rectifier plates, cell caps, etc. Welch Battery Co. 180,635; Jan. 1.
Cigar lighters, Electrical. Davenport Manufacturing Co. 188,756; Jan. 1.
Cigarette and cigar lighters. L. Pengilly. 185,793; Jan. 1.
Condensers, Electrical. Radio Corporation of America. 157,776; Jan. 1.
Electric vacuum cleaners. B. Altman & Co. 187,979; Jan. 1.
Electrical current, Capacity devices or condensers for controlling or varying the flow of the. Scholes Radio and Manufacturing Corp. 170,674; Jan. 1.
Headlights and auto lamps. New England Mills Company. 187,762; Jan. 1.
Radio receiving sets and parts thereof. Danziger-Jones, Inc. 187,856; Jan. 1.
Radio sets and parts thereof. Robinson Specialty Company. 166,471; Jan. 1.
Radiotelephone loud-speaker horns and head sets, etc. True-Tone Radio Mfg. Co. 183,424; Jan. 1.
Rheostats. Premier Electric Company. 187,534; Jan. 1.
Soldering irons, Electric. A. Mecky Company. 186,598; Jan. 1.
Spark plugs. R. Steinacher. 187,969; Jan. 1.
Spotlights, Windshield. Spot-Lite Corporation of America. 188,031; Jan. 1.
Tubes and valves, Vacuum. Radio Corporation of America. 155,450; Jan. 1.

CLASS 22.

Balls, Golf. John Wanamaker, New York. 187,972; Jan. 1.
Cards, Playing. United States Playing Card Company. 185,995; Jan. 1.
Footballs, basket, soccer, and punching balls. William Sykes, Limited. 184,804; Jan. 1.
Game, Table. L. S. Lee. 185,786; Jan. 1.
Golf clubs. Phosphor Bronze Smelting Company. 187,957; Jan. 1.
Sporting goods. C. E. McCorrison. 182,253; Jan. 1.
Toy pistols, rifles, and repeating rifles. Edwards Manufacturing Co. 188,234; Jan. 1.
Toy vehicles, Knockdown. National Package Products Company. 186,286; Jan. 1.

CLASS 23.

Automobile gear-shift levers, Balls for the handles of. Southwest Onyx & Marble Company. 186,760; Jan 1.
Caramel and candy cutters and sizers, and parts thereof. Ideal Wrapping Machine Company. 153,602; Jan. 1.
Drilling machines, Metal-. F. K. Krag. 186,280; Jan. 1.
Gears. Dallmann Machine & Mfg. Co. 186,948; Jan. 1.
Hoists. American Engineering Company. 187,279; Jan. 1.

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Liquids, Apparatus for aerating, carbonating, or gasifying. P. A. Garret. 186,124; Jan. 1.
Mattress-filling machines. Triangle Kapok Machine Corp. 182,388; Jan. 1.
Razors, safety razors and blades, pocketknives, etc. Max Dörner G. m. b. H. Stahlwarenfabrik. 162,708; Jan. 1.
Sprayers and parts thereof. Hudson Manufacturing Company. 186,996; Jan. 1.

CLASS 25.

Locks and latches, Vehicle door. English & Mersick Co. 186,634; Jan. 1.

CLASS 26.

Engines, Spark-testing devices for internal-combustion. J. H. Levine. 170,368; Jan. 1.
Ophthalmic mountings and parts thereof. Stevens & Company. 183,855; Jan. 1.
Photographic paper, cardboard, and post cards, Sensitized. Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung. 180,437–9; Jan. 1.

CLASS 27.

Clocks, Electrical. Schweizerische Magneta A.-G. 179,060; Jan. 1.

CLASS 28.

Bracelets and neck chains. General Chain Co. 185,867; Jan. 1.
Buttons, Collar. Freeman-Daughaday Co. 185,577; Jan. 1.
Jewelry, Children's. Bauman-Massa Jewelry Co. 186,267; Jan. 1.
Packaged combination. L. Heller & Son, Inc. 186,994; Jan. 1.
Pearls. La Vie Pearl Company. 187,062; Jan. 1.
Silver-plated hollow ware. Mulholland Bros. Inc. 181,841; Jan. 1.

CLASS 29.

Brushes. Geo. S. Leiner & Co. 185,973; Jan. 1.
Mops, mop heads, and fiber and cloth dusters. H. L. Johnson. 160,946; Jan. 1.
Oilers, yarn mops, dust cloths, etc., Floor. Standard Oil Company of New York. 188,285; Jan. 1.

CLASS 31.

Refrigerators. Motorfrigerator Company. 188,319; Jan. 1.

CLASS 32.

Cabinets and counters. Jenny Wren Stores Corporation. 150,750; Jan. 1.
Furniture. Hannah Manufacturing Company. 186,011; Jan. 1.
Mattresses. Knoxville Mattress Co. 183,979; Jan. 1.

CLASS 33.

Glassware. Pyrocolor Corporation. 152,091; Jan. 1.

CLASS 35.

Belts, Fan. Dayton Rubber Manufacturing Company. 167,606; Jan. 1.
Packing, Steam, water, gas, air, and ammonia. Crandall Packing Company. 186,631; Jan. 1.
Piston rings, Resilient inner rings arranged to fit under the regular. Ramsey Accessories Manufacturing Corporation. 186,671; Jan. 1.
Rubber fruit-jar rings. Schacht Rubber Mfg. Co. 166,751; Jan. 1.
Tires and inner tubes, Automobile. A. A. Guenther. 186,365; Jan. 1.
Tires and inner tubes, Resilient vehicle. Salem Rubber Company. 188,028; Jan. 1.
Tires, Inner tubes for. Ajax Rubber Company. 188,396; Jan. 1.
Tires, Repair kit for pneumatic. E. F. Hartley. 187,944; Jan. 1.
Tubes and tires, Inner. Columbia Tire and Rubber Company. 186,827; Jan. 1.

CLASS 36.

Violins, violas, violoncellos, pianos, organs, etc. C. Meisel, Inc. 182,923; Jan. 1.

CLASS 37.

Books, Blank. F. Geitz, jr. 180,695; Jan. 1.
Paper. Kansas City Paper House. 185,828; Jan. 1.
Paper. Winston, Harper, Fisher Company. 187,238; Jan. 1.
Paper, Bond. Blake, Moffitt, & Towne. 187,285; Jan. 1.
Paper, Bond. Blake, Moffitt, & Towne. 187,290; Jan. 1.
Paper, Book. Chemical Paper Manufacturing Company. 187,711; Jan. 1.
Paper, envelopes, and papeteries. White & Wyckoff Mfg. Company. 188,341; Jan. 1.
Papers. Walther & Company. 174,044; Jan. 1.
Papers, Book. Kansas City Paper House. 185,341; Jan. 1.
Papers, boxed stationery, tablets, Bond. Neenah Paper Co. 187,835; Jan. 1.
Pencils. Eberhard Faber Pencil Company. 184,430; Jan. 1.
Tablets and paper, envelopes, rubber bands, etc., Writing. Van Vleet-Mansfield Drug Co. 186,730; Jan. 1.

CLASS 38.

Coupons, Redeemable. H. C. Mershon. 177,919; Jan. 1.
Lessons, Job tickets, and lectures, Printed. Chicago Automotive Institute. 187,067; Jan. 1.
Magazine, Periodical. J. E. Hess. 158,710; Jan. 1.
Periodicals. Railroad Buyers & Sellers Service Bureau. 166,066; Jan. 1.
Publication, bulletin or pamphlet, Printed. Manier Campe, Inc. 169,816; Jan. 1.

CLASS 39.

Apparel, Girls'. Saks & Company. 186,758; Jan. 1.
Apparel, Ladies' and children's wearing. La Mode Garment Co. 187,468; Jan. 1.
Apparel, Ladies' and children's wearing. Roberts-Frank & Co. 187,486; Jan. 1.
Apparel, Women's. Farr Company. 186,006; Jan. 1.
Aprons. Cameron and Company. 187,793; Jan. 1.
Bathing suits, athletic shirts, sweaters, etc. Edward Noon & Son. 149,716; Jan. 1.
Bathing suits, sweaters, etc., Knitted. Blue-Ribbon Knitting Mills, Inc. 186,175; Jan. 1.
Boots, shoes, and slippers, Leather. International Shoe Company. 183,976; Jan. 1.
Caps, Men's and boys'. Weinstein Manufacturing Company. 185,251; Jan. 1.
Cloaks and suits. B. Rothbell. 175,570; Jan. 1.
Cloaks, suits, wraps, capes, etc. I. J. Rubin. 186,248; Jan. 1.
Clothing and garments, Women's. Style-Center Tailoring Company. 172,565; Jan. 1.
Clothing, Outer. L. Greif & Bro. Incorporated. 185,824; Jan. 1.
Coats, cloaks, wraps, capes, etc., Women's, children's, and infants'. Salt's Textile Manufacturing Company. 187,591; Jan. 1.
Collars, shirts, pyjamas, etc. M. J. Schneider. 180,316; Jan. 1.
Corsets. F. P. Hoy, Inc. 182,308; Jan. 1.
Corsets. C. Munter. 141,322; Jan. 1.
Dresses, middy blouses, rompers, aprons, etc. Bell Manufacturing Company. 185,950; Jan. 1.
Dresses, waists, and blouses, etc., Women's and misses'. Lack & Samuels, Inc. 186,794; Jan. 1.
Garters. Bick Co. Mfrs. 182,958; Jan. 1.
Gloves and mittens. Boss Manufacturing Company. 185,742; Jan. 1.
Gloves and mittens. Boss Manufacturing Company. 185,744; Jan. 1.
Gloves, Leather. Northland Knitting Company. 135,612; Jan. 1.
Gowns, chemise, drawers, etc., Ladies'. H. Schiller. 186,724; Jan. 1.
Hats. Lichtenstein-Mittenthal Company. 183,629; Jan. 1.
Hats. J. Rhonheimer. 183,941; Jan. 1.
Hats and caps. Hatter's Clearing House Inc. 183,704; Jan. 1.
Hats and caps. Waring Hat Manufacturing Corporation. 183,680; Jan. 1.
Hats and caps and ladies' scarfs. Sable Bros. 184,104; Jan. 1.
Hats, Children's. Little-Darling Hat Co. 186,017; Jan. 1.
Hats for women. L. W. Marks & Co. 185,667; Jan. 1.
Hats, Ladies' and misses'. Ferle Heller, Inc. 185,248; Jan. 1.
Hats, Misses' and children's. Carson Pirie Scott & Co. 184,596; Jan. 1.
Heels for boots and shoes. David Hill, Limited. 184,449; Jan. 1.
Hosiery. E. D. Attix. 187,262; Jan. 1.
Hosiery. Bedell Company. 187,031; Jan. 1.
Hosiery. S. S. Miller. 187,950; Jan. 1.
Hosiery. Reins & Meins Company. 187,128; Jan. 1.
Hosiery. S. Y. W. Hosiery Co. 183,671; Jan. 1.
Hosiery, sweaters, and fabric gloves. E. B. Sudbery. 171,770; Jan. 1.
Knitted caps, sweaters, gloves, hosiery, and scarfs. Balacaler Knitting Mills. 181,667; Jan. 1.
Moccasins, Leather. Kirkendall Shoe Company. 184,246; Jan. 1.
Nightshirts, bath robes, pyjamas, and undergarments, Men's. Frackville Manufacturing Company. 186,635; Jan. 1.
Overalls. Lindeke, Warner & Sons, Incorporated. 187,827; Jan. 1.
Overcoats and suits. Truhaut Bros. & Co. 186,008; Jan. 1.
Shirts. Jacob Miller's Sons Co. 187,685; Jan. 1.
Shirts, Men's. Reid and Fort, Inc. 185,496; Jan. 1.
Shoes. Quality Shoe Shop. 184,102; Jan. 1.
Shoes. M. T. Shaw, Inc. 184,767; Jan. 1.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

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Shoes, Children's and misses'. Zane Shoe Co. 184,575; Jan. 1.
Slippers, Bath. Q. B. Henderson. 179,532; Jan. 1.
Suits, Sleeping. B. H. Trinkel. 187,593; Jan. 1.
Suspenders. Harris Suspender Company. 172,799; Jan. 1.
Sweater coats, bathing suits, and scarfs. M. Cohen. 187,249; Jan. 1.
Sweaters, caps, bootees, leggings, etc. Llama Knitting Co. 186,651; Jan. 1.
Topcoats, overcoats, coats, etc. Frankel Bros. 185,923; Jan. 1.
Underwear. Carter Dry Goods Co. 186,352–3; Jan. 1.
Underwear, pyjamas, nightdresses, etc. Irish Linen Mesh Company. 181,949; Jan. 1.

CLASS 40.

Elastic webbing, cotton trimming, toilet pins, etc. A. J. Hague & Co. 169,442; Jan. 1.
Hairpins. S. Glemby's Sons Co. 187,577; Jan. 1.
Hairpins, Wire. Dick Webster & Co. 173,218; Jan. 1.
Needles, Hand sewing. New York Merchandise Company. 187,588; Jan. 1.
Package outfits. F. Weinheimer. 186,172; Jan. 1.
Pins, Toilet. T. B. M. Gates. 180,427; Jan. 1.
Snap fasteners. American Fastener Company. 188,102; Jan. 1.

CLASS 42.

Cotton-piece goods. M. C. Hart. 183,571; Jan. 1.
Cotton piece goods. Wilton Manufacturing Company. 185,776; Jan. 1.
Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 187,689; Jan. 1.
Jute piece goods. James F. White & Co. 186,754; Jan. 1.
Laces. Samuel Ehrman Co. 173,409; Jan. 1.
Sheets, sheeting, pillowcases, bolster coverings. Peerless Cotton Mills. 182,990; Jan. 1.
Silk piece goods. J. A. Migel, Inc. 186,482; Jan. 1.
Silk piece goods. Travis, Romaine & Jelle, Inc. 185,882; Jan. 1.
Woolen and worsted piece goods. Cyril Johnson Woolen Co. 174,366; Jan. 1.
Woolen piece goods. Forstmann & Huffmann Company. 186,893–4; Jan. 1.

CLASS 45.

Beverage, Nonalcoholic, maltless. W. D. Adams. 187,655; Jan. 1.
Beverages. Sunset Club Bottling Co. 186,937; Jan. 1.
Ginger ale. Sunbeam Water Company. 187,782; Jan. 1.
Powder, Maltless-soft-drink. National Food Products Corporation. 187,475; Jan. 1.
Water, root beer, etc., Distilled. Sunbeam Water Company. 187,783; Jan. 1.
Water, Spring. M. T. Evans. 185,451; Jan. 1.

CLASS 46.

Apples, Fresh. Crown Willamette Paper Company. 187,802; Jan. 1.
Apples, Fresh. Scurich & Jerinich. 186,933; Jan. 1.
Bread. James Butler, Inc. 185,889; Jan. 1.
Bread. Ward Baking Company. 186,816; Jan. 1.
Bread. D. P. Woolley. 163,066; Jan. 1.
Butter. Columbus Creamery. 185,177; Jan. 1.
Butter. John Habhegger Co. 186,425; Jan. 1.
Butter. E. W. Moyer. 159,517; Jan. 1.
Cake. International Company. 184,668; Jan. 1.
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Candies, salted nuts, etc. Yakima Candy Co. 174,226; Jan. 1.
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Candy confections. A. H. Bechtol. 186,000–1; Jan. 1.
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Canned peas. Gristede Bros. Inc. 170,286; Jan. 1.
Canned peas. Plymouth Canning Co. 186,025; Jan. 1.
Canned vegetables and fruits. Pederson Mercantile Company. 184,943; Jan. 1.
Cheese. Pabst Farms. 181,496; Jan. 1.
Cheese. Phenix Cheese Co. 184,684; Jan. 1.
Cheese. Ernest Regez & Sons. 185,620; Jan. 1.
Coffee. Dern Food Company. 187,667; Jan. 1.
Coffee. G. B. Farrington Co. 180,595; Jan. 1.
Coffee substitute. L. A. Thompson. 186,762; Jan. 1.
Coffees. M. M. de Picabia. 187,857; Jan. 1.
Confection. J. Buckley. 162,376; Jan. 1.
Corn meal, grits, and corn flour. Black & White Milling Company. 186,411; Jan. 1.
Dates. G. H. Narbonne. 184,744; Jan. 1.
Egg product, Frozen. Morris Ovson Company. 182,431; Jan. 1.
Eggs. Eastern Connecticut Poultry Producers, Inc. 184,897; Jan. 1.
Eggs. E. W. Moyer. 159,516; Jan. 1.
Eggs, Fresh. Hill Crest Manor. 185,368; Jan. 1.
Feed, Baby-chick. Sperry Flour Company. 187,391; Jan. 1.
Feeds and feedstuffs. Quisenberry Feed Mf'g. Co. 187,127; Jan. 1.
Flour, Wheat. Colorado Milling & Elevator Co. 187,094; Jan. 1.
Flour, Wheat. Fisher Flouring Mills Company. 184,718–19; Jan. 1.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 182,809; Jan. 1.
Flour, Wheat. Kuenzel Mills Company. 187,108; Jan. 1.
Flour, Wheat. Monett Mill & Elevator Company. 187,116; Jan. 1.
Flour, Wheat. South Georgia Produce Company. 184,769; Jan. 1.
Flour, Wheat. Southwestern Milling Company. 174,598; Jan. 1.
Flour, Wheat and Graham. Marysville Mill & Elevator Company. 178,622; Jan. 1.
Fondant, Semiprepared. White Stokes Co. 178,790; Jan. 1.
Food, Laxative. Battle Creek Food Company. 178,350; Jan. 1.
Food preparation for birds. G & G Scientific Egg Food Co. 182,471; Jan. 1.
Foods and ingredients of foods. Co-Operative Grange League Federation Exchange, Inc. 181,477; Jan. 1.
Fruit, Dried. J. G. Shaw. 187,698; Jan. 1.
Ham, baked meat loaf, bacon, etc., Smoked. Chris. Grozinger Co. 177,296; Jan. 1.
Ice cream. Hendler Creamery Company. 183,069; Jan. 1.
Ice cream and frozen ices. Galveston Ice Cream Co. 184,390; Jan. 1.
Macaroni, spaghetti, vermicelli, etc. National Macaroni Company. 186,195; Jan. 1.
Margarine, Nut. Glidden Nut Butter Company. 186,784; Jan. 1.
Mayonnaise dressing. Alden Products Co. 186,208; Jan. 1.
Milk, Bottled cultured. Supplee-Wills-Jones Milk Company. 181,501; Jan. 1.
Milk, Condensed and evaporated. Libby, McNeill & Libby. 185,370; Jan. 1.
Milk, cream, butter, and cheese. American Guernsey Cattle Club. 185,400; Jan. 1.
Milk, Powdered skimmed. Merrell-Soule Company. 172,802; Jan. 1.
Mustard, Prepared. Stickney & Poor Spice Co. 183,174; Jan. 1.
Oil, cakes, breakfast cereal, sandwiches, etc., Olive. MacLean Drug Company. 175,505; Jan. 1.
Oil, Olive. Edson Bros. 174,296; Jan. 1.
Oil, Olive. Rinaudo, Majano & Cie. 178,568; Jan. 1.
Oils, Vegetable. Vegetable Oil Products Company. 186,765; Jan. 1.
Paprika, cassia, cassia buds, cinnamon, etc. B. H. Old & Co. 181,907–8; Jan. 1.
Pastes, Alimentary. A. Pretto. 181,959; Jan. 1.
Peanut brittle. Old Virginia Peanut Brittle Co. 187,691; Jan. 1.
Peanut butter, butter, cereals, etc. W. H. Johnson. 163,989; Jan. 1.
Peanut-butter kisses. Kibbe Brothers Company. 183,837; Jan. 1.
Pickles. O. A. Fanning. 186,224; Jan. 1.
Poultry, live stock, vegetables, fruits, etc. R. E. Conder. 162,382; Jan. 1.
Puddings and pies, Compound for making. Fruit Valley Corporation. 185,696; Jan. 1.
Rice, rice bran, meal, polish, and powder. Louisiana State Rice Milling Co. 155,896; Jan. 1.
Sandwich, Biscuit. Crawford Farms, Incorporated. 184,327; Jan. 1.
Sirup, Table. O. T. Drenikow. 185,330; Jan. 1.
Tea, coffee, spices, food flavoring extracts. Unity Manufacturing Co. 184,878–9; Jan. 1.
Tomatoes, Fresh. A. T. Pearce. 188,252; Jan. 1.
Wafers, Cheese. B. P. Clement. 184,235; Jan. 1.
Zwieback. Manchester Biscuit Company. 185,027; Jan. 1.

CLASS 48.

Beverage, Malt. John F. Trommer, Inc. 170,845; Jan. 1.

CLASS 49.

Liquors for beverage purposes, Distilled alcoholic. Mattingly & Moore Distillery Co. 170,303; Jan. 1.

CLASS 50.

Aprons, Icemens' back. G. H. Voter, Inc. 182,630; Jan. 1.
Garment hangers. I. Duberstein. 186,980; Jan. 1.
Garment hangers, Devices to be slipped on the ends of. Lazy Sue Hanger Company. 187,425; Jan. 1.
Signs, Printed. Lutz & Richardson. 184,410; Jan. 1.
Tombstones, monuments, and memorials. Cross Bro's Co. 181,112; Jan. 1.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Liquids, Apparatus for aerating, carbonating, or gasifying. P. A. Garrett. 186,124; Jan. 1.
Mattress-filling machines. Triangle Kapok Machine Corp. 182,388; Jan. 1.
Razors, safety razors and blades, pocketknives, etc. Max Dörner G. m. b. H. Stahlwarenfabrik. 162,708; Jan. 1.
Sprayers and parts thereof. Hudson Manufacturing Company. 184,994; Jan. 1.

CLASS 25.

Locks and latches, Vehicle door. English & Mersick Co. 186,634; Jan. 1.

CLASS 26.

Engines, Spark-testing devices for internal-combustion. J. H. Levine. 176,203; Jan. 1.
Ophthalmic mountings and parts thereof. Stevens & Company. 183,[illegible]; Jan. 1.
Photographic paper, cardboard, and post cards, Sensitised. Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung. 180,437–9; Jan. 1.

CLASS 27.

Clocks, Electrical. Schweizerische Magneta A.-G. 179,060; Jan. 1.

CLASS 28.

Bracelets and neck chains. General Chain Co. 185,867; Jan. 1.
Buttons, Collar. Freeman-Daughaday Co. 185,577; Jan. 1.
Jewelry, Children's. Bauman-Massa Jewelry Co. 186,267; Jan. 1.
Packaged combination. L. Heller & Son, Inc. 186,994; Jan. 1.
Pearls. La Vie Pearl Company. 187,062; Jan. 1.
Silver-plated hollow ware. Mulholland Bros. Inc. 181,841; Jan. 1.

CLASS 29.

Brushes. Geo. S. Leiner & Co. 185,973; Jan. 1.
Mops, mop heads, and fiber and cloth dusters. H. L. Johnson. 180,[illegible]; Jan. 1.
Oilers, yarn mops, dust cloths, etc., Floor. Standard Oil Company of New York. 188,385; Jan. 1.

CLASS 31.

Refrigerators. Motorfrigerator Company. 188,319; Jan. 1.

CLASS 32.

Cabinets and counters. Jenny Wren Stores Corporation. 150,750; Jan. 1.
Furniture. Hannahs Manufacturing Company. 186,011; Jan. 1.
Mattresses. Knoxville Mattress Co. 183,979; Jan. 1.

CLASS 33.

Glassware. Pyrocolor Corporation. 152,091; Jan. 1.

CLASS 35.

Belts, Fan. Dayton Rubber Manufacturing Company. 167,606; Jan. 1.
Packing, Steam, water, gas, air, and ammonia. Crandall Packing Company. 186,651; Jan. 1.
Piston rings, Resilient inner rings arranged to fit under the regular. Ramsey Accessories Manufacturing Corporation. 186,671; Jan. 1.
Rubber fruit-jar rings. Schacht Rubber Mfg. Co. 186,751; Jan. 1.
Tires and inner tubes, Automobile. A. A. Guenther. 186,365; Jan. 1.
Tires and inner tubes, Resilient vehicle. Salem Rubber Company. 188,028; Jan. 1.
Tires, Inner tubes for. Ajax Rubber Company. 188,396; Jan. 1.
Tires, Repair kit for pneumatic. E. F. Hartley. 187,944; Jan. 1.
Tubes and tires, Inner. Columbia Tire and Rubber Company. 186,827; Jan. 1.

CLASS 36.

Violins, violas, violoncellos, pianos, organs, etc. C. Meisel, Inc. 182,923; Jan. 1.

CLASS 37.

Books, Blank. F. Geitz, jr. 180,695; Jan. 1.
Paper. Kansas City Paper House. 185,828; Jan. 1.
Paper. Winston, Harper, Fisher Company. 187,238; Jan. 1.
Paper, Bond. Blake, Moffitt, & Towne. 187,285; Jan. 1.
Paper, Bond. Blake, Moffitt, & Towne. 187,290; Jan. 1.
Paper, Book. Chemical Paper Manufacturing Company. 187,711; Jan. 1.
Paper, envelopes, and papeteries. White & Wyckoff Mfg. Company. 188,[illegible]; Jan. 1.
Papers. Walther & Company. 174,044; Jan. 1.
Papers, Book. Kansas City Paper House. 185,341; Jan. 1.
Papers, boxed stationery, tablets, Bond. Neenah Paper Co. 187,835; Jan. 1.
Pencils. Eberhard Faber Pencil Company. 184,490; Jan. 1.
Tablets and paper, envelopes, rubber bands, etc., Writing. Van Vleet-Mansfield Drug Co. 186,730; Jan. 1.

CLASS 38.

Coupons, Redeemable. H. C. Mershon. 177,919; Jan. 1.
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Cheese. Ernest Reges & Sons. 185,620; Jan. 1.
Coffee. Dern Food Company. 187,667; Jan. 1.
Coffee. G. B. Farrington Co. 180,595; Jan. 1.
Coffee substitute. L. A. Thompson. 186,762; Jan. 1.
Coffees. M. M. de Picabia. 187,857; Jan. 1.
Confection. J. Buckley. 162,376; Jan. 1.
Corn meal, grits, and corn flour. Black & White Milling Company. 186,411; Jan. 1.
Dates. G. H. Narbonne. 184,744; Jan. 1.
Egg product, Frozen. Morris Ovson Company. 182,431; Jan. 1.
Eggs. Eastern Connecticut Poultry Producers, Inc. 184,897; Jan. 1.
Eggs. E. W. Moyer. 159,516; Jan. 1.
Eggs, Fresh. Hill Crest Manor. 185,368; Jan. 1.
Feed, Baby-chick. Sperry Flour Company. 187,391; Jan. 1.
Feeds and feedstuffs. Quisenberry Feed Mf'g. Co. 187,127; Jan. 1.
Flour, Wheat. Colorado Milling & Elevator Co. 187,094; Jan. 1.
Flour, Wheat. Fisher Flouring Mills Company. 184,718–19; Jan. 1.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 182,809; Jan. 1.
Flour, Wheat. Kuenzel Mills Company. 187,108; Jan. 1.
Flour, Wheat. Monett Mill & Elevator Company. 187,116; Jan. 1.
Flour, Wheat. South Georgia Produce Company. 184,769; Jan. 1.
Flour, Wheat. Southwestern Milling Company. 174,598; Jan. 1.
Flour, Wheat and Graham. Marysville Mill & Elevator Company. 178,622; Jan. 1.
Fondant, Semiprepared. White Stokes Co. 178,790; Jan. 1.
Food, Laxative. Battle Creek Food Company. 178,350; Jan. 1.
Food preparation for birds. G & G Scientific Egg Food Co. 182,471; Jan. 1.
Foods and ingredients of foods. Co-Operative Grange League Federation Exchange, Inc. 181,477; Jan. 1.
Fruit, Dried. J. G. Shaw. 187,698; Jan. 1.
Ham, baked meat loaf, bacon, etc., Smoked. Chris. Grozinger Co. 177,296; Jan. 1.
Ice cream. Hendler Creamery Company. 183,069; Jan. 1.
Ice cream and frozen ices. Galveston Ice Cream Co. 184,399; Jan. 1.
Macaroni, spaghetti, vermicelli, etc. National Macaroni Company. 186,195; Jan. 1.
Margarine, Nut. Glidden Nut Butter Company. 186,784; Jan. 1.
Mayonnaise dressing. Alden Products Co. 186,208; Jan. 1.
Milk, Bottled cultured. Supplee-Wills-Jones Milk Company. 181,501; Jan. 1.
Milk, Condensed and evaporated. Libby, McNeill & Libby. 185,370; Jan. 1.
Milk, cream, butter, and cheese. American Guernsey Cattle Club. 185,400; Jan. 1.
Milk, Powdered skimmed. Merrell-Soule Company. 172,802; Jan. 1.
Mustard, Prepared. Stickney & Poor Spice Co. 183,174; Jan. 1.
Oil, cakes, breakfast cereal, sandwiches, etc., Olive. MacLean Drug Company. 175,505; Jan. 1.
Oil, Olive. Edson Bros. 174,296; Jan. 1.
Oil, Olive. Rinaudo, Majano & Cie. 178,568; Jan. 1.
Oils, Vegetable. Vegetable Oil Products Company. 186,765; Jan. 1.
Paprika, cassia, cassia buds, cinnamon, etc. B. H. Old & Co. 181,907–8; Jan. 1.
Pastes, Alimentary. A. Pretto. 181,959; Jan. 1.
Peanut brittle. Old Virginia Peanut Brittle Co. 187,691; Jan. 1.
Peanut butter, butter, cereals, etc. W. H. Johnson. 163,989; Jan. 1.
Peanut-butter kisses. Kibbe Brothers Company. 183,837; Jan. 1.
Pickles. O. A. Fanning. 186,224; Jan. 1.
Poultry, live stock, vegetables, fruits, etc. R. E. Conder. 162,382; Jan. 1.
Puddings and pies, Compound for making. Fruit Valley Corporation. 185,696; Jan. 1.
Rice, rice bran, meal, polish, and powder. Louisiana State Rice Milling Co. 155,896; Jan. 1.
Sandwich, Biscuit. Crawford Farms, Incorporated. 184,327; Jan. 1.
Sirup, Table. O. T. Drenikow. 185,330; Jan. 1.
Tea, coffee, spices, food flavoring extracts. Unity Manufacturing Co. 184,878–9; Jan. 1.
Tomatoes, Fresh. A. T. Pearce. 188,252; Jan. 1.
Wafers, Cheese. B. P. Clement. 184,235; Jan. 1.
Zwieback. Manchester Biscuit Company. 185,027; Jan. 1.

CLASS 48.

Beverage, Malt. John F. Trommer, Inc. 170,845; Jan. 1.

CLASS 49.

Liquors for beverage purposes, Distilled alcoholic. Mattingly & Moore Distillery Co. 170,303; Jan. 1.

CLASS 50.

Aprons, Icemens' back. G. H. Voter, Inc. 182,630; Jan. 1.
Garment hangers. I. Duberstein. 186,980; Jan. 1.
Garment hangers, Devices to be slipped on the ends of. Lazy Sue Hanger Company. 187,425; Jan. 1.
Signs, Printed. Lutz & Richardson. 184,410; Jan. 1.
Tombstones, monuments, and memorials. Cross Bro's Co. 181,112; Jan. 1.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Ernser, F. H., and Vessey, assignors.)
Abele, Henry E., Milwaukee, Wis. Control mechanism. 1,479,440; Jan. 1.
Accessories Manufacturing Company. (See Bramming, Carl, assignor.)
Adams, Charles, jr., and W. A., Weehawken, N. J. Spark plug. 1,479,575; Jan. 1.
Adams, Julius F., Pittsburgh, Pa. Gas heater. Des. 63,675; Jan. 1.
Adams, Walter A. (See Adams, Charles, jr., and W. A.)
Aeromarine Plane & Motor Company. (See Chilton, R., and King, assignors.)
Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Löfquist, Axel F. T., assignor.)
Albany Paper Mill Machinery Company. (See Crandell, Willis S., assignor.)
Albrecht, George F., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Traveling-flat carding engine. 1,479,639; Jan. 1.
Aldendorff, Fritz, Wilmersdorf, Berlin, Germany. Metering telephone system. 1,479,442; Jan. 1.
Alger, Thomas O., Bridgeport, Conn. Juice extractor. 1,479,125; Jan. 1.
Allen, Edgar A. (See Elder, W. J., and Allen.)
Almand, John P., Little rock, Ark. File binder. 1,479,049; Jan. 1.
American Can Company. (See Fleischer, Paul W., assignor.)
American Locker Company. (See Davis, Augustine, assignor.)
American Steel Package Company, The. (See Behringer, Grover F., assignor.)
American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
American Telephone and Telegraph Company. (See Fell, John M., assignor.)
Ames, Adelbert, jr., and C. A. Proctor, Hanover, N. H. Camera apparatus for binocular photography. 1,479,211; Jan. 1.
Ames, Adelbert, jr., Tewksbury, Mass. Apparatus for composite photography. 1,479,212; Jan. 1.
Amussen, Joseph S., Los Angeles, Calif. Device for supporting and rocking patients. 1,479,166; Jan. 1.
Anderson, Carl J., Chicago, Ill. Elevator control 1,479,576; Jan. 1.
Anderson, Charles W., Anacortes, Wash. Trip hook. 1,479,529; Jan. 1.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Adjustable extension spotlamp. 1,479,578; Jan. 1.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Electric switch. 1,479,577; Jan. 1.
Anderson, William F., Torrington, Wyo. Vise. 1,479,441; Jan. 1.
Andre, Gustaf E., Chicago, Ill. Wringer. 1,479,491; Jan. 1.
Andrews, Albert, Sheridan, Wyo., assignor to Andrews Worm Transmission Corporation. Transmission mechanism. 1,479,167; Jan. 1.
Andrews Worm Transmission Corporation. (See Andrews, Albert, assignor.)
Angut, Adolf, Schaffhausen, Switzerland. Safety razor. 1,479,690; Jan. 1.
Anstock, Roy P., Mahanoy City, Pa. Drawing apparatus. 1,479,691; Jan. 1.
Apex Appliance Company. (See Swanson, Carl W., assignor.)
Apgar, Stanley. (See Hanks, G. R., Apgar, Bench, and Bidwell.)
Appleton Electric Co. (See Anderson, Ernst G. K., assignor.)
Appleton Wire Works. (See Weissenborn, Albert B., assignor.)
Arens, Frank C., Milwaukee, Wis. Flask pin. 1,479,579; Jan. 1.
Armstrong, Kinney, Fayetteville, Ark. Emergency axle spindle. 1,479,273; Jan. 1.
Aronson, Louis V. (See Evans, Fred, assignor.)
Aronson, Louis V. (See Harris, Alexander, assignor.)
Ashmore, George. (See Ashmore, John and G.)
Ashmore, John and G., Philadelphia, Pa. Warp-cutting device for use in pile-fabric looms. 1,479,274; Jan. 1.
Ask, George M., San Jose, Calif. Pump. 1,479,353; Jan. 1.
Atkinson, Henry T., assignor to J. J. Donovan, Oakland, Calif. Swinging window. 1,479,354; Jan. 1.
Autocall Company, The. (See Bradley, William H., assignor.)
Automatic Uno Corporation. (See Fleming, August L. N., assignor.)
Autoquip Mfg. Company. (See Steinmetz, Herman W., assignor.)
Babcock & Wilcox Company, The. (See MacKay, Henry J. S., assignor.)
Babcock, Basil P., assignor to Sprague Canning Machinery Co., Chicago, Ill Filling machine. 1,479,021; Jan. 1.
Baerwald, Charles H., et al. (See Kamrath, Emil L., assignor.)
Baerwald, Herman J., et al. (See Kamrath, Emil L., assignor.)
Bailey, Anna D., New York, N. Y. Adjustable dress form. 1,479,443; Jan. 1.
Bailey, James F., Columbia, S. C. Demountable attachment for tractors. 1,479,422; Jan. 1.
Bailhe, George, Fort Wayne, Ind. Accelerator for motor vehicles. 1,479,492; Jan. 1.
Baker & Company. (See Maculen, F., and Van Allen, assignors.)
Baldwin Locomotive Works, The. (See Merklinger, F. E., and Limerick, assignors.)
Balt Manufacturing Company. (See Bennett, Charles E., assignor.)
Bancroft, James L., Cleveland, Ohio. Drip molding. 1,479,444; Jan. 1.
Baninger, John H., Jamestown, N. Y. Bearing box. 1,479,445; Jan. 1.
Barney, Edwin E. (See Barr, J. H., and Barney.)
Barnum, Thomas E., Wauwatosa, and C. T. Evans, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Pressure-responsive circuit controller. 1,479,580; Jan. 1.
Barr, John H., New York, and E. E. Barney, New Rochelle, assignors to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,479,355; Jan. 1.
Barton, Alma de B., Los Angeles, Calif. Educational device. 1,479,423; Jan. 1.
Bassett, Preston R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Light-projecting apparatus. 1,479,640; Jan. 1.
Bates, C. J., & Son. (See Korhummel, Otto J., assignor.)
Battle, John R., Ardmore, Pa. Lubricator. 1,479,641; Jan. 1.
Bauer, Fred W., Milwaukee, Wis. Mattress or the like. 1,479,493; Jan. 1.
Bauer, Henry J., et al. (See Bauer, Louis, assignor.)
Bauer, Louis, assignor of one-third to H. J. Bauer and one-third to F. Turner, New York, N. Y. Means for mounting multigraph plates. 1,479,446; Jan. 1.
Bautz, Jindřich. (See Kriegerbeck, V., and Bautz.)
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spool valve for rock drills. 1,479,356; Jan. 1.
Bayles, Lewis C., Easton, Pa., and H. W. Morrow, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Pin puller. 1,479,357; Jan. 1.
Beaghen, Thomas, jr., Mount Vernon, N. Y. Tank-car heater. 1,479,022; Jan. 1.
Beattie, Walter L., Milwaukee, Wis. Combination sprinkler and hose carrier. 1,479,447; Jan. 1.
Bech, Charles O., Weehawken, N. J. Speed-control mechanism. 1,479,023; Jan. 1.
Beck, Michael, Minneapolis, Minn. Combined electric fan and heater. 1,479,494; Jan. 1.
Bedwells, The. (See Olson, Herbert O., assignor.)
Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Metallic receptacle. 1,479,358; Jan. 1.
Bell, Henry W., San Francisco, Calif. Toothbrush. 1,479,275; Jan. 1.

Bench, Alfred B. (See Hanks, G. R., Apgar, Bench, and Bidwell.)
Bendmann, Hermann, Frankfort-on-the-Main, Germany. Projecting apparatus for advertising purposes. 1,479,404; Jan. 1.
Benedict, Hershel A., East Orange, and E. M. Moller, Jersey City, N. J. Cover. 1,479,213; Jan. 1.
Bennett, Charles E., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga. Current interrupter. 1,479,276; Jan. 1.
Bennett, Charles E., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga. Arc gap. 1,479,692; Jan. 1.
Bennett, Charles E., assignor, by mesne assignments, to Balt Manufacturing Company, Atlanta, Ga. Arc gap. 1,479,693; Jan. 1.
Bennett, Tom M., New York, N. Y. Demountable rim. 1,479,424; Jan. 1.
Bentley, John G., Paterson, N. J. Quill. 1,479,448; Jan. 1.
Bentley, John G., Paterson, N. J. Wound package. 1,479,449; Jan. 1.
Bergman, Julius G. (See Cole, D., and Bergman.)
Berry, Herman C., Lansdowne, Pa. Scale. 1,479,581; Jan. 1.
Bertrand, Joseph T., Isle-Verte, Quebec, Canada. Apparatus for the curing and desiccating of fish and other perishable articles of food. 1,479,050; Jan. 1.
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Padlock. 1,479,214; Jan. 1.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Artificial line. 1,479,651; Jan. 1.
Bickel, Henry F., Plainfield, N. J., and B. J. Minaker, Watertown, N. Y., assignors to The New York Air Brake Company. Lubricator. 1,479,530; Jan. 1.
Bidwell, George L. (See Hanks, G. R., Apgar, Bench, and Bidwell.)
Bissell, James A., Baltimore, Md. Pipe wrench. 1,479,642; Jan. 1.
Black, George H., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for making insoles. 1,479,277; Jan. 1.
Black, George H., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making insoles. 1,479,405; Jan. 1.
Blackhurst, Ernest H. (See Lewtas, J., and Blackhurst.)
Bleher, Joseph H., assignor to Miehle Printing Press & Manufacturing Co., Chicago, Ill. Farm-roll trip mechanism. 1,479,278; Jan. 1.
Blake, Frank R., Bangor, Me. Hanger. 1,479,359; Jan. 1.
Blandhaft, Max, R. Tow, and H. Weinstein, New York, N. Y. Knob lock for pocketbooks and the like. 1,479,360; Jan. 1.
Bleado, Otto, Manistee, Mich. Emergency wheel spoke. 1,479,694; Jan. 1.
Blevens, Charles P., Evansville, Ind. Soap dish. 1,479,361; Jan. 1.
Blomster, Joel, Hoberton, Iowa. Spark plug. 1,479,643; Jan. 1.
Bockisch, Heinrich, deceased, Poughkeepsie, by G. W. Gittins, administrator, assignor to Welte-Mignon Corporation, New York, N. Y. Tempo signal for synchronizers. 1,479,425; Jan. 1.
Boedecker, Friedrich, Berlin-Tempelhof, Germany. Production of therapeutically-active constituents of oils, balsams, resins, and extracts. 1,479,695; Jan. 1.
Boening, Ernest, Yonkers, N. Y. Propeller. 1,479,052; Jan. 1.
Booher, Edward A., West Austintown, Ohio. Tie for mine tracks. 1,479,531; Jan. 1.
Boornem, John F., Greenwich, Conn. Inclination indicator for airplanes. 1,479,024; Jan. 1.
Borst, Andrew J., jr., Buffalo, N. Y. Automobile train. 1,479,215; Jan. 1.
Boston Manufacturing Company, 1901, The. (See McQuiston, James, assignor.)
Bott, Otto, Oshkosh, Nebr. Windmill. 1,479,216; Jan. 1.
Bowen Products Corporation. (See Skelly, Bernard H., assignor.)
Bowman, Newton E., Canton, Ohio. Tool for splicing cables. 1,479,362; Jan. 1.
Brady, John S., Wilkes-Barre, Pa. Washing machine. 1,479,218; Jan. 1.
Bradford, Herbert E., Pittsburgh, Pa. Clothes wringer. 1,479,496; Jan. 1.
Bradley, William H., Shelby, Ohio, assignor to The Autocall Company. Electromagnetic bell. 1,479,217; Jan. 1.
Brainerd, Edward E., Los Angeles, Calif. Double-deck bus. 1,479,426; Jan. 1.
Brenning, Carl, Chicago, Ill., assignor to Accessories Manufacturing Company. Grease gun. 1,479,219; Jan. 1.
Brandenburg, Richard O., et al. (See Rakestraw, Thomas G., assignor.)
Brayton, Charles A., jr., assignor to The Induction Furnace Company, Cleveland, Ohio. Induction furnace. 1,479,583; Jan. 1.
Brent, Henry W., Baltimore, Md. Oil burner. 1,479,406; Jan. 1.
Brewer, Robert W. A., Indianapolis, Ind. Inlet manifold for internal-combustion engines. 1,479,168; Jan. 1.
Bridgman Smith Patents Company. (See Smith, Harry B., assignor.)
Briggs & Stratton Company. (See Jacobi, Edward N., assignor.)
Brinkerhoff, Josiah, et al. (See Walter, Ira D., assignor.)
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Making return bends. 1,479,279; Jan. 1.
Brooks, Stephen H., assignor to The Oil Conservation Engineering Company, Cleveland, Ohio. Gauge-hole collar. 1,479,053; Jan. 1.
Brouilhiet, Georges, St. Etienne, France. Shock absorber for vehicles. 1,479,770; Jan. 1.
Brown, Carl E., Columbus, Ohio. Money mailer. 1,479,280; Jan. 1.
Brown, Margaret A., Muscatine, Iowa. Safety-pocket wrist-watch guard. 1,479,363; Jan. 1.
Browne, Frank E., Long Beach, Calif. Foot scraper. 1,479,644; Jan. 1.
Browne, Waldo R., Wyoming, N. Y. Dental floss holder. 1,479,364; Jan. 1.
Bruck, H. B., & Sons Company, The. (See Bruck, Henry B., assignor.)
Bruck, Henry B., Cleveland, Ohio, assignor to The H. B. Bruck & Sons Company. Bench for player and other pianos. 1,479,645; Jan. 1.
Brunn, Christian N., Cedar Falls, Iowa. Egg-candling device. 1,479,450; Jan. 1.
Brunsell, Johan F. (See Morgan, W. H., and Brunsell.)
Brunswick-Balke-Collender Company. (See Hine, Cicero, assignor.)
Buck, Thomas, Casper, Wyo. Vapor-treatment apparatus. 1,479,265; Jan. 1.
Buck, Tyne M., Des Moines, Iowa. Floor waxer. 1,479,281; Jan. 1.
Buck, Wilmer G., Fremont, assignor to Continental Engineering Corporation, Omaha, Nebr. Rotater for valves of internal-combustion engines. 1,479,169; Jan. 1.
Buckstein, Jacob, New York, N. Y. Fluid-administering device. 1,479,451; Jan. 1.
Buffalo Refractory Corporation. (See Ohman, John L., assignor.)
Bugatti, Ettore, Molsheim, Alsace, France. Adjustable articulated operating mechanism for clutches, brakes, and other devices. 1,479,366; Jan. 1.
Burns, Bruce, Alhambra, Calif. Air-cushion shock absorber. 1,479,282; Jan. 1.
Burrows, Robert J., Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich. Axle for motor vehicles. 1,479,220; Jan. 1.
Butler, James L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ring-covering apparatus. 1,479,126; Jan. 1.
Cabot, Godfrey L., Boston, Mass. Supply means for aircraft. 1,479,221; Jan. 1.
Cabot, Godfrey L., Boston, Mass. Supply means for aircraft. 1,479,222; Jan. 1.
Cadwallader, Harry, jr., Philadelphia, Pa. Machine clamp. 1,479,127; Jan. 1.
Caille, Arthur J., and T. L. Smith, Detroit, Mich. Marine motor. 1,479,025; Jan. 1.
California Cap Company. (See Myers, Romaine, assignor.)
Cameron, Charles E., Newark, N. J. Position-rectifying device for the rolls of player pianos. 1,479,646; Jan. 1.
Campbell, Guy E. S., London, England. Hand covering. 1,479,771; Jan. 1.
Campbell, Samuel S., Maryville, Tenn. Portable shower bath. 1,479,267; Jan. 1.
Canavan, William F., Montreal, Quebec, Canada. Safety closure for wall openings. 1,479,452; Jan. 1.
Canavera, Baptiste F., St. Louis, Mo. Brickkilns. 1,479,368; Jan. 1.
Carey, Charles D. (See Stevenson, Edwin W., assignor.)
Carey, James P., New York, N. Y. Flexible shaft coupling. 1,479,583; Jan. 1.
Carey, Philip, Manufacturing Company, The. (See Moone, Albert E. F., assignor.)
Carleton, Gideon W. and H. O., New York, N. Y.; said Gideon W. Carleton, assignor to said H. O. Carleton. Film-drying apparatus. 1,479,453; Jan. 1.
Carleton, Herbert O. (See Carleton, Gideon W. and H. O.)
Carmichael, William A., assignor to C. Cowles and Company, New Haven, Conn. Vehicle door handle. 1,479,026; Jan. 1.
Carr, Michael, New York, N. Y. Moving-picture-film reel. 1,479,454; Jan. 1.
Carroll, George B., East Lansing, Mich. Combination wheelbarrow. 1,479,223; Jan. 1.
Carroll, Hugh C., McKeesport, Pa. Wall and block for forming the same. 1,479,647; Jan. 1.
Caspary, Joseph P., Milwaukee, Wis. Sewing stand. 1,479,170; Jan. 1.
Castera, Charles J., Los Angeles, Calif. Flycatcher. 1,479,648; Jan. 1.
Chalmers, William, Lovelocks, Nev. Match striker. 1,479,427; Jan. 1.
Champion Register Company, The. (See Moss, Victor G., assignor.)
Chandler, Henry J., Plattsmouth, Nebr. Safety device for planes. 1,479,696; Jan. 1.

Chapin, John J., New York, assignor to Remington Accounting Machine Corporation, Ilion, N. Y. Calculating machine. 1,479,455; Jan. 1.
Charbonnier, Prosper J., Paris, France. Equilibrated breechblock. 1,479,697; Jan. 1.
Chemical Machinery Corporation. (See Field, Crosby, assignor.)
Cheves, Charles H. (See Oates, S. I., jr., and Cheves.)
Chilton, Roland, and A. H. King, Keyport, N. J., assignors to Aeromarine Plane & Motor Company. Releasing device. 1,479,224; Jan. 1.
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Engine-accessories unit. 1,479,225; Jan. 1.
Chism, Marcus C., W. T. Fletcher, C. B. Lord, and V. H. Futch, Nashville, Ga.; said Fletcher assignor to said Chism. Gasoline dispenser. 1,479,649; Jan. 1.
Chladek, Joseph F., Niobrara, Nebr. Pitchfork. 1,479,054; Jan. 1.
Choppinet, Joseph, Brussels, Belgium. Shunt coil for electric meters. 1,479,698; Jan. 1.
Chounis, James S., Charleston, W. Va. Vegetable cutter and slicer. 1,479,369; Jan. 1.
Christensen, Christen, Chicago, Ill., assignor to The Electrical Engineers Equipment Company. Switch. 1,479,226; Jan. 1.
Chubb, Lewis W. (See Hallock, F. D., Chubb, and Guildford.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Clancy, John F., assignor to Kaestner & Hecht Company, Chicago, Ill. Elevator lock. 1,479,027; Jan. 1.
Clark Brothers Company. (See Reid, Joseph S., assignor.)
Clark Equipment Company. (See Burrows, Robert J., assignor.)
Clark, James, assignor to S. R. Dresser Manufacturing Company, Bradford, Pa. Pipe coupling. 1,479,650; Jan. 1.
Clark, William C., et al. (See Topp, Maurice J., assignor.)
Clarke, Fannie J., et al., legatees. (See Krogh, Ferdinand W.)
Clarke, John A., jr., Edgewood Park, Pa., and M. R. Moody, Deer Lodge, Mont., assignors to Westinghouse Electric & Manufacturing Company. Train-lighting system. 1,479,171; Jan. 1.
Clements, Everett G., Washington, D. C. Device for marking parking limits for vehicles. 1,479,651; Jan. 1.
Cleveland, Henry R., East Schodack, N. Y. Dewatering machine. 1,479,456; Jan. 1.
Coffin, Leslie R., Bellingham, Wash., and R. W. Mastick, jr., San Francisco, Calif. Electric-arc lamp. 1,479,370; Jan. 1.
Cohon, Benjamin J. (See Moskowitz, L., and Cohon.)
Cole, Arthur D. (See Geiger, David F., assignor.)
Cole, David, and J. G. Bergman, El Paso, Tex. Grinding mill. 1,479,172; Jan. 1.
Cole, David, and J. G. Bergman, El Paso, Tex. Grinding mill. 1,479,173; Jan. 1.
Coleman, Edward, Salt Lake City, Utah. Hose holder. 1,479,523; Jan. 1.
Colony Club Frocks. (See Wolf, Edwin E., assignor.)
Commercial Furniture Company. (See Stringe, Alfred H., assignor.)
Commiskey, Edward A., Indianapolis, Ind. Tension device for vehicle steering mechanism. 1,479,457; Jan. 1.
Concrete Pipe Company. (See Warner, Edgar L., assignor.)
Condit, Sears B., jr. (See Greenwood, Talma T., assignor.)
Condon, George F. (See Foisy, Antoine R., assignor.)
Conklin, Frank W., Brooklyn, N. Y. Beater and mixer. 1,479,584; Jan. 1.
Conner, Charles H. (See Davidson, Joseph G., assignor.)
Conrad, Edwin P. (See Conrad, James C., assignor.)
Conrad, James C., Washington, D. C., assignor to E. P. Conrad, Zionsville, Ind. Rat trap. 1,479,283; Jan. 1.
Consolidated Car Heating Company. (See Hynes, L. P., and Conway, assignors.)
Construction Appliance Co., The. (See Hallett, Fred N., assignor.)
Conti, James T. F., Paris, France. Low-pressure automatic gas cut-off. 1,479,374; Jan. 1.
Continental Car Co. of America. (See McKinley, A. B., and Hurley, assignors.)
Continental Engineering Corporation. (See Buck, Wilmer G., assignor.)
Conway, John W. (See Hynes, L. P., and Conway.)
Conwell, Walter L., Upper Montclair, N. J. Cream remover for milk bottles. 1,479,496; Jan. 1.
Cook, Leroy C., Deer River, Minn. Nonskid device. 1,479,372; Jan. 1.
Cook, Thomas M., Philadelphia, Miss. Car wheel. 1,479,373; Jan. 1.
Cook, Walter H., London, England. Fixed-jaw spanner. 1,479,772; Jan. 1.
Cooke, George W., Co. Inc. (See Cooke, George W., assignor.)
Cooke, George W., Jamaica, N. Y., assignor to George W., Cooke Co. Inc. Faucet. 1,479,028; Jan. 1.
Coon, Arthur J., Providence, R. I. Traffic signal for vehicles. 1,479,428; Jan. 1.
Cooney, Frank B., Minneapolis, Minn. Ink paste. 1,479,533; Jan. 1.
Cowles, C., and Company. (See Carmichael, William A., assignor.)
Craig, James, Alexandria, near Sydney, New South Wales, Australia. Detachable heel. 1,479,773; Jan. 1.
Crandell, Willis S., Elsmere, assignor to Albany Paper Mill Machinery Company, Albany, N. Y. Paper-making machine. 1,479,128; Jan. 1.
Cranstone, Charles, Newport News, Va. Fish lure. 1,479,652; Jan. 1.
Crawford, Leonard H., Inglewood, Wash. Spur roll for shingle machines. 1,479,585; Jan. 1.
Crescent Brass Products Company, The. (See Hance, Isaac I., assignor.)
Cretney, Thomas G., Madison, Wis. Traffic guide. 1,479,227; Jan. 1.
Crooks-Dittmar Company, The. (See Dittmar, Irvin F., assignor.)
Crow, Waller, and J. C. Schaffer, assignors to Schaffer Engineering & Equipment Co., Pittsburgh, Pa. Electric separator. 1,479,055; Jan. 1.
Crowell, William de F., St. Louis, Mo. Clear-vision windshield. 1,479,375; Jan. 1.
Cullin, Jasper F., assignor to W. J. Hartwig, Detroit, Mich. Armature-coil winder. 1,479,285; Jan. 1.
Cullin, Jasper F., assignor, by mesne assignments, to W. J. Hartwig, Detroit, Mich. Armature-winding-testing mechanism. 1,479,284; Jan. 1.
Cummings, John T., B. H. Daulton, F. W. Taylor, and C. J. Robinson, assignors to The Irwin Auger Bit Company, Wilmington, Ohio. Apparatus for and method of cutting metal. 1,479,056; Jan. 1.
Curran, Walter M., Pavilion, Mich. Headlight dimmer. 1,479,057; Jan. 1.
Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,479,586; Jan. 1.
Curtis, Van Vlecrat, McAllen, Tex. Check. 1,479,534; Jan. 1.
Cutler, David A., Atlantic, Mass. Attaching rubber soles to boots and shoes. 1,479,497; Jan. 1.
Cutler-Hammer Mgf. Co., The. (See Barsum, T. E., and Evans, assignors.)
Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Fernow, Bernhard E., jr., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lockett, Ralph G., assignor.)
Cutler-Hammer Mfg. Co., The. (See Stoekle, Erwin R., assignor.)
Dahlberg, C. F. (See Munroe, Treadway B., assignor.)
Daly, Michael F., Millbrae, Calif. Woodworking machine. 1,479,058; Jan. 1.
Daniels, Carl B., et al. (See Smith, William J., assignor.)
Danly, Robert C., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Drum and cymbal beater. 1,479,376; Jan. 1.
Daulton, Benjamin H. (See Cummings, J. T., Daulton, Taylor, and Robinson.)
Davis, Augustine, Jamaica, N. Y., assignor to American Locker Company, Boston, Mass. Lock. 1,479,377; Jan. 1.
Davis, Charles T., Park Place, Tex. Tongs. 1,479,407; Jan. 1.
Davis, Kenneth, assignor to R. Peale, St. Benedict, Pa. Means and method for transporting loose material. 1,479,378; Jan. 1.
Davis, Lewis K., Washington, D. C. Endless-track vehicle. 1,479,408; Jan. 1.
Davidson, Joseph G., Pittsburgh, Pa., assignor to C. H. Conner, New York, N. Y. Cracking oils. 1,479,653; Jan. 1.
Davidson, Joseph G., Pittsburgh, Pa., assignor to C. H. Conner, New York, N. Y. Apparatus for cracking and distilling oils. 1,479,776; Jan. 1.
Dawson, Arthur T., G. E. Watt, and A. L. Perham, assignors to Vickers Limited, Westminster, London, England. Means for use in the laying of ordnance. 1,479,587; Jan. 1.
Day, Albert V. T., New Rochelle, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway-train-control system. 1,479,286; Jan. 1.
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
Dearsley, John W., Racine, Wis. Molding machine. 1,479,287; Jan. 1.
De la Mota, Francisco E., La Vega, Dominican Republic. Cigar and making the same. 1,479,458; Jan. 1.
De Lapotterie, Otto H., New Brighton, Pa., assignor to R. H. Smith, Kent, Ohio. Apparatus for making rivets. 1,479,228; Jan. 1.
Delco-Light Company. (See Kettering, Charles F., assignor.)
Delco-Light Company. (See Lea, J. M., and Fiske, assignors.)
Delman, Hyman, New York, N. Y. Receptacle. 1,479,699; Jan. 1.
Demarest, William G., Metuchen, N. J. Composite brick and tile wall construction. 1,479,879; Jan. 1.
Dement, Isaac S., Dayton, Ohio. Timer for electrical contacts. 1,479,498; Jan. 1.

De Reamer, James S., et al. (See Smith, William J., assignor.)
Diamond Match Company, The. (See Elder, W. J., and Allen, assignors.)
Diamond Match Company, The. (See Paridon, Michael, assignor.)
Diamond Match Company, The. (See Zomnir, Joseph E., assignor.)
Dias, Francisco, Winslow, Ariz. Vehicle signal. 1,479,588; Jan. 1.
Dinsmore, James H., et al. (See McClain, James E., assignor.)
Dittmar, Irvin F., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Yieldable guide for coating machines. 1,479,059; Jan. 1.
Dixon, William, Oklahoma City, Okla. Door holder. 1,479,029; Jan. 1.
Djurson, Axel R. K., Malmo, Sweden. Slack adjuster for brakes. 1,479,700; Jan. 1.
Djurson, Axel R. K., Malmo, Sweden. Slack adjuster for brakes. 1,479,701; Jan. 1.
Dlesk, John, Berwyn, assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Feeding mechanism. 1,479,000; Jan. 1.
Dobbins, James F., Brooklyn, N. Y. Razor strop. 1,479,030; Jan. 1.
Domingues, Gattino, Morley, Colo. Transmission. 1,479,702; Jan. 1.
Donald, Forrest V., Minneapolis, Minn., assignor to Gilson Manufacturing Co., Port Washington, Wis. Power-transmission mechanism. 1,479,288; Jan. 1.
Donnellan, Edward P., assignor to Standard-Johnson Co., Inc., Brooklyn, N. Y. Counting machine. 1,479,459; Jan. 1.
Donovan, John J. (See Atkinson, Henry T., assignor.)
Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,479,703; Jan. 1.
Drake, Thomas J., Sadieville, Ky. Bundle or shock compressor and holder. 1,479,461; Jan. 1.
Draper, Arthur P., Lebanon, Mo. Game. 1,479,460; Jan. 1.
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Draper Corporation. (See Stimpson, Wallace I., assignor.)
Dresser, S. R., Manufacturing Company. (See Clark, James, assignor.)
Duck, John J., Toledo, Ohio. Electric switch. 1,479,289; Jan. 1.
Duckworth Chain & Manufacturing Company. (See McCann, John F., assignor.)
Dudas, Andrew, Homestead, Pa. Pencil sharpener. 1,479,589; Jan. 1.
Duddleson, William J., San Luis Obispo, Calif. Moth protecting and destroying device. 1,479,704; Jan. 1.
Dudley, Adolphus M., Oakmont, and C. W. Kincaid, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Regulating system for induction motors. 1,479,174; Jan. 1.
Dyrssen, Waldemar, New York, N. Y. Regulation of electric furnaces. 1,479,429; Jan. 1.
Ecton, Jesse A., Murray, Utah. Instantaneously-acting radiator cap with mounting for temperature indicators. 1,479,031; Jan. 1.
Edstrom, Karl A., Denver, Colo. Binocular. 1,479,409; Jan. 1.
Edwards, Louis C., Ellington, Conn. Cutter cleaner for food choppers. 1,479,175; Jan. 1.
Edwards, Louis C., Ellington, Conn. Cutter cleaner for food choppers. 1,479,380; Jan. 1.
Efantis, George B. (See Vrana, John, assignor.)
Egerton, Henry C., Ridgewood, N. J. Belt. 1,479,032; Jan. 1.
Eisen- und Stahlwerk Hoesch Aktiengesellschaft. (See Weymann, Eduard, assignor.)
Eklund, Axel G., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet buckle. Des. 63,677; Jan. 1.
Elder, William J., Oswego, N. Y., and E. A. Allen, Chico, Calif., assignors to The Diamond Match Company, Chicago, Ill. Block-feeding mechanism for match machines. 1,479,462; Jan. 1.
Electric Heating Corporation. (See Macy, Barnett W., assignor.)
Electrical Engineers Equipment Company, The. (See Christensen, Christen, assignor.)
Elgin American Manufacturing Co. (See Emerich, Leonard, assignor.)
Elliott, Robert S., Kansas City, Mo. Target-throwing trap. 1,479,290; Jan. 1.
Elyria Iron & Steel Company. (See Tilden, Charles S., assignor.)
Emerich, Leonard, assignor to Elgin American Manufacturing Co., Elgin, Ill. Cigarette holder and the like. 1,479,590; Jan. 1.
Emerson-Brantingham Company. (See Waterman, Lewis E., assignor.)
Emmons, George W., Ontario, Wis. Eraser-cleaning apparatus. 1,479,654; Jan. 1.
Englund, Carl J. (See Skur, A. V., and Englund.)
Ents, Justus B., New York, N. Y. Electric brake. 1,479,463; Jan. 1.
Erfle, Heinrich, assignor to the Firm of Carl Zeiss, Jena, Germany. Eyelens system. 1,479,229; Jan. 1.
Ernser, Frank H., and B. B. Vessey, assignors to A C Spark Plug Company, Flint, Mich. Attachment for automatic turret machines. 1,479,094; Jan. 1.
Essex Rubber Company. (See Overton, John H., assignor.)
Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,479,033; Jan. 1.
Evans, Clarence T. (See Barnum, T. E., and Evans.)
Evans, Fred, Summit, assignor to L. V. Aronson, Newark, N. J. Flash light. 1,479,592; Jan. 1.
Evans, Percy E., Chicago Heights, Ill. Metal fencepost. 1,479,291; Jan. 1.
Evans, Roscoe B., Dermott, Ark. Door latch. 1,479,655; Jan. 1.
Evans, William A. (See Kent, A. A. and Evans.)
Fales Follo Company. (See Inman, Herbert D., assignor.)
Fants, Fred C., assignor to The Texas Company. Barrel-hoisting apparatus. 1,479,593; Jan. 1.
Farley, James, Hertford, England. Change-speed mechanism. 1,479,292; Jan. 1.
Federal Electric Company. (See Mars, Thomas H., assignor.)
Federline, John R., Belton, S. C. Tension device. 1,479,230; Jan. 1.
Fellner, Karl, assignor to Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Cylinder head for internal-combustion engines. 1,479,129; Jan. 1.
Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraph repeater system. 1,479,430; Jan. 1.
Fenn, William B., Port Washington, N. Y. Corer. 1,479,061; Jan. 1.
Fennell, Lewis H., Greensburg, Pa. Chair. 1,479,594; Jan. 1.
Fernow, Bernhard E., jr., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Power-transmission mechanism. 1,479,034; Jan. 1.
Ferragamo, Salvatore, Santa Barbara, Calif. Fracture-setting apparatus and splint. 1,479,535; Jan. 1.
Ferragamo, Salvatore, Santa Barbara, Calif. Apparatus for supporting injured limbs. 1,479,536; Jan. 1.
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Water bowl. 1,479,409; Jan. 1.
Fetterley, Ralph, Akron, Ohio. Combined mill tee and stuffing box. 1,479,656; Jan. 1.
Field, Crosby, Yonkers, assignor to Chemical Machinery Corporation, New York, N. Y. Apparatus for conveying and distributing ice. 1,479,595; Jan. 1.
Fields, William W. (See Johnson, C. E., and Fields.)
Fischer, Albert C., Chicago, Ill. Roof covering. 1,479,035; Jan. 1.
Fiske, Jonathan P. B. (See Lea, J. M., and Fiske.)
Flagg, Ernest, New York, N. Y. Hinge construction. 1,479,705; Jan. 1.
Fleischer, Paul W., Weehawken Heights, N. J., assignor to American Can Company, New York, N. Y. Safety coupling. 1,479,706; Jan. 1.
Fleming, August L. N., Lyndhurst, N. J., assignor to Automatic Uno Corporation, New York, N. Y. Machine for molding type and the like. 1,479,596; Jan. 1.
Fletcher, William T. (See Chism, M. C., Fletcher, Lord, and Futch.)
Flinn, James H., et al. (See Hammer, David J., assignor.)
Flintkote Company, The. (See Howard, W. R., and Gregg, assignors.)
Foisy, Antoine R., assignor of one-fourth to G. F. Condon, Salem, Mass. Raincoat. 1,479,707; Jan. 1.
Fosdick, Robert E., Cincinnati, Ohio. Detectoscope. 1,479,036; Jan. 1.
Foster, Theodore W., & Bro. Co. (See Foster, Theodore W., assignor.)
Foster, Theodore W., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Fastener. 1,479,130; Jan. 1.
Foust, Charles A., Glendale, N. Y. Smoothing iron for asphalt roads. 1,479,597; Jan. 1.
Fowler, Charles E., Allais, Ky. Mine-rail fastener and antispreader. 1,479,131; Jan. 1.
Framburg, H. A., & Company. (See Framburg, Henry A., assignor.)
Framburg, Henry A., assignor to H. A. Framburg & Company, Chicago, Ill. Body center for an electric-light fixture. Des. 63,678; Jan. 1.
Framburg, Henry A., assignor to H. A. Framburg & Company, Chicago, Ill. Back plate for an electric-light bracket. Des. 63,679; Jan. 1.
Framburg, Henry A., assignor to H. A. Framburg & Company, Chicago, Ill. Back plate for an electric-light bracket. Des. 63,680; Jan. 1.
Framburg, Henry A., assignor to H. A. Framburg & Company, Chicago, Ill. Back plate for an electric-light bracket. Des. 63,681; Jan. 1.
Franke, Bernard E., Baltimore, Md., assignor to The George Franke Sons Company. Tinsel reflector. 1,479,037; Jan. 1.
Franke, George, Sons Company, The. (See Franke, Bernard E., assignor.)
Franklin, Edward J. (See Lindau, C. I., and Franklin.)
French, Charles R., et al. (See Walter, Ira D., assignor.)

Freund, Martin, deceased, by W. Freund, administrator, and E. Speyer, Frankfort-on-the-Main, Germany. Product of reduction of oxycodeinon and preparing the same. 1,479,293; Jan. 1.
Freund, Walter, administrator. (See Freund, M., and Speyer.)
Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Facing ring for cylinder locks. 1,479,657; Jan. 1.
Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Facing-ring structure for cylinder locks. 1,479,658; Jan. 1.
Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Facing-ring structure for cylinder locks. 1,479,659; Jan. 1.
Fuhr, William, Chicago, Ill. Corner-staying machine. 1,479,038; Jan. 1.
Fuller Brush Company, The. (See Rudolph, Walter H., assignor.)
Fuller, Clarence B., jr., assignor to Geo. O. Jenkins Company, Bridgewater, Mass. Process and apparatus for blanking articles from sheet material. 1,479,464; Jan. 1.
Fuller, Frederick F., Govert, S. Dak. Collapsible funnel. 1,479,660; Jan. 1.
Furnace Engineering Company. (See Hirsch, Paul A., assignor.)
Futch, Victor H. (See Chism, M. C., Fletcher, Lord, and Futch.)
Gamewell Fire Alarm Telegraph Company, The. (See Jackson, George A., assignor.)
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushion tire. Des. 63,682; Jan. 1.
Garbell, Max, assignor to Garbell Typewriter Corporation, Chicago, Ill. Typewriting machine. 1,479,231; Jan. 1.
Garbell Typewriter Corporation. (See Garbell, Max, assignor.)
Garcia, Jose, Philadelphia, Pa. Drawing and calibrating instrument. 1,479,598; Jan. 1.
Garner Gin Company, The. (See Garner, James C., assignor.)
Garner, James C., assignor, by mesne assignments, to The Garner Gin Company, Inc., Houston, Tex. Cotton breaker and separator. 1,479,537; Jan. 1.
Garniss, Charles, Newport, R. I. Toy. 1,479,708; Jan. 1.
Gates, Charles C., Clare, Mich. Washing apparatus. 1,479,661; Jan. 1.
Geiger, David F., Los Angeles, Calif., assignor of one-third to A. D. Cole, Minneapolis, Minn. Control mechanism for operating vehicles. 1,478,996; Jan. 1.
Geiger, David F., Los Angeles, Calif. Power transmitter and operating mechanism therefor. 1,478,997; Jan. 1.
Geisslinger, Jean, Carouge, near Geneva, assignor to J. Thum, Geneva, Switzerland. Installation for regulating an electric-current network supplied with current from a generator running at variable speed. 1,479,500; Jan. 1.
General Electric Company. (See Herz, Alfred, assignor.)
General Motors Corporation. (See Short, Charles R., assignor.)
General Motors Corporation. (See Springer, William N., assignor.)
Gerberholtz, Jack, Brooklyn, N. Y. Game board. Des. 63,683; Jan. 1.
Gerrard, Alec J., and P. Wright, Chicago, Ill. Coiled tie wire. 1,479,431; Jan. 1.
Gianella, Leo J., Long Beach, Calif. Combination reversing jar. 1,479,132; Jan. 1.
Gillette, Herbert B., Grand Rapids, Mich. Wheel. 1,479,232; Jan. 1.
Gilson Manufacturing Co. (See Donald, Forrest V., assignor.)
Gisholt Machine Company. (See Schmelskopf, Edward C., assignor.)
Gittins, George W., administrator. (See Bockisch, Heinrich.)
Goldstein, Meyer J., Brooklyn, N. Y. Bolt and chain lock. 1,479,709; Jan. 1.
Gonick, Max, New York, N. Y. Safety collar and cuff button. 1,479,294; Jan. 1.
Good Inventions Co. (See Good, John, assignor.)
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Liquid-fuel vaporizer. 1,479,381; Jan. 1.
Goodrich, B. F., Company, The. (See Butler, James L., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company. (See Noble, Newton S., assignor.)
Goodrich, B. F., Company, The. (See Parker, Victor A., assignor.)
Goodrum, Charles L. (See McQuarrie, J. L., and Goodrum.)
Gore, Herbert C., Takoma Park, Md., dedicated, by mesne assignments, to the people of the United States. Diastatic material and making the same. 1,479,133; Jan. 1.
Gottlieb, Edward, assignor to Paradox Engineering Company, New York, N. Y. Manual painting machine. 1,479,283; Jan. 1.
Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Door-control system. 1,479,063; Jan. 1.
Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Safety mechanism for doors. 1,479,062; Jan. 1.
Gracey, Harvey H., Fort Worth, Tex. Fluid lift pump. 1,479,064; Jan. 1.
Gray, Emmet P., Detroit, Mich. Muffler. 1,479,234; Jan. 1.
Gray, James H., New York, N. Y. Smelting ores of low-volatile metals and melting such metals. 1,479,662; Jan. 1.
Grayson, George W., Sydney, New South Wales, Australia. Internal-combustion engine. 1,479,710; Jan. 1.
Green, William N., Paris, Tex. Belt cleaner. 1,479,176; Jan. 1.
Greene, Frederick J., assignor to Greene Mfg. Co., Racine, Wis. Making wardrobe-trunk trolleys. 1,479,039; Jan. 1.
Greene Mfg. Co. (See Greene, Frederick J., assignor.)
Greenwood, Talma T., East Templeton, Mass., assignor to S. B. Condit, jr. Control of electric circuits. 1,479,465; Jan. 1.
Greer, George T., Roanoke, Va. Wrapping machine. 1,479,065; Jan. 1.
Gregg, William H. (See Howard, W. R., and Gregg.)
Gregory, Edward, New Eagle, Pa. Machine for making glass sheets. 1,479,295; Jan. 1.
Griffith, Ralph R., Minneapolis, Minn. Wheel. 1,479,066; Jan. 1.
Griswold, Albert A., Providence, R. I. Roll-roofing fastener. 1,479,067; Jan. 1.
Grub, Albert, Chicago, Ill. Towel cabinet. 1,479,599; Jan. 1.
Grubusch Martin. (See Thilo, J., and Grubusch.)
Guildford, Charles T. (See Hallock, F. D., Chubb, and Guildford.)
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder-puff holder. 1,479,134; Jan. 1.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder-puff holder. 1,479,135; Jan. 1.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder-puff holder. 1,479,136; Jan. 1.
Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder-puff holder. 1,479,137; Jan. 1.
Guy, Frederick M., Grand Rapids, Mich., and F. R. Sunderman, Newburgh, N. Y. Internal-combustion engine. 1,479,466; Jan. 1.
Haarberg, Cato, Fox Lake, Ill. Portable handle. 1,479,711; Jan. 1.
Hahn, Walter A., and E. D. Sherrill, Hickory, N. C. Railway-brake fulcrum. 1,479,296; Jan. 1.
Hall, John H. (See Jordan, B. D., and Hall.)
Hall, Morgan W. (See Kernohan, R. B., and Hall.)
Hallett, Fred N., Seattle, Wash., assignor to The Construction Appliance Co. Bolting-up machine. 1,479,712; Jan. 1.
Hallock, Fletcher D., L. W. Chubb, Pittsburgh, and C. T. Guildford, East Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Speed-controlling device. 1,479,177; Jan. 1.
Halstead, Jesse S., Oakland, and J. F. Mora, Pittsburg, Calif. Gas burner for heating devices of the tubular-wick type. 1,479,410; Jan. 1.
Hamilton, Frank. (See Sturgis, Herbert M., assignor.)
Hammer, David J., assignor of one-half to J. H. Flinn and J. McEwan, Pittsburgh, Pa. Inner tube for the tires of vehicles. 1,479,068; Jan. 1.
Hammerle, Alexander R., et al. (See Topp, Maurice J., assignor.)
Hance, Isaac I., assignor to The Crescent Brass Products Company, Cleveland, Ohio. Lighting fixture. 1,479,069; Jan. 1.
Hanks, George R., and S. Apgar, High Bridge, N. J., A. R. Bench, Easton, and G. L. Bidwell, Riegelsville, Pa., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Integral beater roll. 1,479,382; Jan. 1.
Hanks, George R., and S. Apgar, High Bridge, N. J., A. R. Bench, Easton, and G. L. Bidwell, Riegelsville, Pa., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Sectional beater roll. 1,479,383; Jan. 1.
Hanna, Homer C., Oklahoma City, Okla. Wheel rim. 1,479,713; Jan. 1.
Harloe, Morton, Winchester, Va. Resilient wheel. 1,479,411; Jan. 1.
Harper, Arthur W., Toledo, Ohio. Radiator heater. 1,479,600; Jan. 1.
Harper, Henry N., Ruston, La. Cooling means for internal-combustion engines. 1,479,412; Jan. 1.
Harris, Alexander, assignor to L. V. Aronson, Newark, N. J. Igniter. 1,479,601; Jan. 1.
Harris, Richard R., Ocean Beach, Calif. Artificial limb and harness therefor. 1,479,297; Jan. 1.
Harris, William E., Luipaardsvlei, Transvaal, South Africa. Blasting. 1,479,070; Jan. 1.
Harvey, Albert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,479,178; Jan. 1.

Hartwig, William J. (See Cullin, Jasper F., assignor.)
Hartwig, William J. (See Moore, William E., assignor.)
Harwood, William H., Cheyenne, Wyo. Clincher rim. 1,479,005; Jan. 1.
Hasselite Manufacturing Corporation. (See Meyercord, George R., assignor.)
Haskell, Frederick, Franklin, Pa. Brake-beam support. 1,479,235; Jan. 1.
Hatch, Arthur G., Duluth, Minn. Form for concrete blocks and removing blocks therefrom. 1,479,298; Jan. 1.
Hatfield, John A., Fort Worth, Tex. Nut lock. 1,479,071; Jan. 1.
Hayer, Myron T., Worcester, Mass. Push-button door-knob. 1,479,602; Jan. 1.
Haseltine, Robert H., Bordeaux, France, assignor to Specialty Machine Company, New York, N. Y. Automatic valve grinder. 1,479,467; Jan. 1.
Haselton, George, Battersea, London, assignor to Vickers Limited, Westminster, London, England. Machine gun. 1,479,138; Jan. 1.
Healey, Patrick J., Jersey City, N. J. Grab bucket. 1,479,384; Jan. 1.
Heaton Peninsular Button Fastener Company. (See Perkins, George W., assignor.)
Hebard, William, Winnemucca, Nev. Centrifugal pump. 1,479,777; Jan. 1.
Hedengren, Ossian A., Taunton, Mass. Fire-box grate. 1,479,501; Jan. 1.
Hedman, Carl, Spokane, Wash. Door hinge. 1,479,413; Jan. 1.
Heffele, Gustav, Riverside, assignor of seven and one-half per cent to H. J. Theroff and seven and one-half per cent to W. Levers, Los Angeles, Calif. Yeast. 1,479,502; Jan. 1.
Heidbrink, Jay A., Minneapolis, Minn. Sterilizer. 1,479,236; Jan. 1.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,479,468; Jan. 1.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,479,775; Jan. 1.
Heltzel, Joseph W., Warren, Ohio. Road tamper and strike off. 1,479,240; Jan. 1.
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Cotton cleaner. 1,479,568; Jan. 1.
Herdle, Frederick J., Chicago, Ill. Exhaust muffler for motor cars. 1,479,714; Jan. 1.
Herod, Leo E., East Chicago, Ind. Oil burner. 1,479,538; Jan. 1.
Herz, Alfred, Chicago, Ill., assignor to General Electric Company. Relay and the like. 1,479,663; Jan. 1.
Herz, Alfred. (See Schweitzer, E. O., and Herz.)
Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,479,715; Jan. 1.
Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,479,716; Jan. 1.
Hetzel, Frederic V., West Chester, Pa., assignor to Link-Belt Company, Chicago, Ill. Sprocket wheel. 1,479,717; Jan. 1.
Hewitt, Frank W., Arlington, assignor to Simplex Electric Heating Company, Cambridge, Mass. Electric grill. 1,479,718; Jan. 1.
Hibbard, Lloyd J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,479,179; Jan. 1.
Hill, Harold O., Aspinwall, and W. Wilkinson, Ingram, assignors to Ritter-Conley Manufacturing Company, Leetsdale, Pa. Tower construction. 1,479,180; Jan. 1.
Hiller, Nicolai H., Carbondale, Pa. Compressor. 1,479,603; Jan. 1.
Hine, Cicero, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Phonograph cabinet. Des. 63,684; Jan. 1.
Hine, Cicero, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Phonograph cabinet. Des. 63,685; Jan. 1.
Hine, Cicero, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Phonograph cabinet. Des. 63,686; Jan. 1.
Hines, Aaron C., Tucumcari, N. Mex. Folding washbench. 1,479,539; Jan. 1.
Hippe, John, Deslacs, N. Dak. Trailer. 1,479,237; Jan. 1.
Hirsch, Edward, New York, N. Y. Sanding device. 1,479,238; Jan. 1.
Hirsch, Paul A., Erie, Pa., assignor to Furnace Engineering Company, New York, N. Y. Pulverizer. 1,479,540; Jan. 1.
Hirsch, Paul A., Erie, Pa., assignor to Furnace Engineering Company, New York, N. Y. Pulverizer. 1,479,541; Jan. 1.
Hirschkind, Wilhelm, assignor of one-half to International Precipitation Company, Los Angeles, Calif. Recovery of metals from their ores. 1,479,542; Jan. 1.
Hoagland, Robert C., Pueblo, Colo. Grease gun. 1,479,072; Jan. 1.
Hoffmann, Edwin. (See Prencel, A. M., and Hoffmann.)
Hogan, James, Centralia, Pa. Railway chair and plate. 1,479,414; Jan. 1.
Holcomb, George R. (See Putty, William M., assignor.)
Holmes, William T., assignor to Monitor Controller Company, Baltimore, Md. Speed-regulating system for electric motors. 1,479,664; Jan. 1.
Holt Manufacturing Company, The. (See Wickersham, Elmer E., assignor.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Horning, Harry L., assignor to Waukesha Motor Company, Waukesha, Wis. Intake manifold. 1,479,567; Jan. 1.
Horton, E., & Son, The. (See Horton, Sidney E., assignor.)
Horton, Sidney E., assignor to The E. Horton & Son Company, Windsor Locks, Conn. Chuck. 1,479,604; Jan. 1.
Houghton, Lewis T., Worcester, Mass. Yarn guide and cleaner. 1,479,040; Jan. 1.
Houghton, Lewis T., Worcester, Mass. Lever screw for top-roll weighting devices. 1,479,041; Jan. 1.
Howard, Ira T., Goshen, Ind. Milling machine. 1,479,073; Jan. 1.
Howard, William R., and W. H. Gregg, Chicago, Ill., assignors to The Flintkote Company. Design-cutting machine. 1,478,998; Jan. 1.
Howell, Augustus M., Dallas, Tex. Mail box. 1,479,239; Jan. 1.
Howie, Kenneth, Norristown, and W. O. Taylor, Limerick, assignors to Wildman Mfg. Co., Norristown, Pa. Yarn-feeding means for knitting machines. 1,479,543; Jan. 1.
Hrubanik, Martin F., Alameda, Calif. Basket. Des. 63,687; Jan. 1.
Hubbard & Company. (See Peirce, Charles L., jr., assignor.)
Hubbard, Arthur O., Minneapolis, Minn. Wheel. 1,479,504; Jan. 1.
Hubble, Joel W., Jacksonville, Ill. Tire-chain fastener. 1,479,074; Jan. 1.
Huebsch Manufacturing Company. (See Roost, Richard, assignor.)
Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition controller. 1,479,181; Jan. 1.
Hurley, Albert. (See McKinley, A. B., and Hurley.)
Hurst, Charles M., Robersonville, N. C. Peanut harvester. 1,479,335; Jan. 1.
Hyde, Andrew B., New York, N. Y. Fountain pen. 1,479,605; Jan. 1.
Hynes, Lee P., and J. W. Conway, assignors to Consolidated Car Heating Company, Albany, N. Y. Fluid-pressure engine. 1,479,236; Jan. 1.
Ibach, Peter, Konigswinter, Germany. Safety device for centrifugal pumps. 1,479,096; Jan. 1.
Ickes, Peter C., assignor to K. C. Concrete Tie Co., Kansas City, Mo. Railway tie. 1,479,097; Jan. 1.
Impey, John E., San Francisco, Calif. Dental handpiece. 1,479,606; Jan. 1.
Induction Furnace Company, The. (See Brayton, Charles A., jr., assignor.)
Ingersoll-Rand Company. (See Bayles, L. C., and Morrow, assignors.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Metzgar, Chester W., assignor.)
Inman, Herbert D., assignor to Fales Folio Company, Foxboro, Mass. Temporary binder. 1,479,607; Jan. 1.
International Precipitation Company. (See Hirschkind, Wilhelm, assignor.)
International Precipitation Company. (See Wolcott, Edson R., assignor.)
International Silver Co. (See Mowry, William F., assignor.)
Iroff, Philip, Brooklyn, N. Y. Corn and bunion protector. 1,479,665; Jan. 1.
Irwin Auger Bit Company, The. (See Cummings, J. T., Daulton, Taylor, and Robinson, assignors.)
Jackson, George A., Waltham, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Attachment for signal boxes. 1,479,608; Jan. 1.
Jacobi, Edward N., assignor to Briggs & Stratton Company, Milwaukee, Wis. Switch. 1,479,240; Jan. 1.
James, Bennie, Chicago, Ill. Indicating device. 1,479,008; Jan. 1.
Jenkins, Alexander F., Baltimore, Md. Portable acetylene generator. 1,479,609; Jan. 1.
Jenkins, Geo. O., Company. (See Fuller, Clarence B., jr., assignor.)
Jennings, Irving C., assignor to Nash Engineering Company, South Norwalk, Conn. Pumping apparatus. 1,479,415; Jan. 1.
Jeschke, Edward, Bellevue, Ohio. Tow rod. 1,479,182; Jan. 1.
Johansen, Ole A., Christiania, Norway. Electric heating apparatus. 1,479,139; Jan. 1.
Johns-Manville Incorporated. (See Kuehn, William G., assignor.)
Johnsen, Birger, assignor to Zelzah Carbonator Co., Los Angeles, Calif. Dispensing apparatus. 1,479,666; Jan. 1.
Johnson, Andrew W. (See Johnson, Axel W. and A. W.)

Johnson, Axel W. and A. W., Rock Creek, Minn. Locking device for tractor clutch mechanism. 1,479,241; Jan. 1.
Johnson, Charles E., and W. W. Fields, Cleveland, Ohio. Combined mold and liner for pipe openings, etc. 1,479,610; Jan. 1.
Johnson, Henry A., Chicago, Ill. Pump. 1,479,075; Jan. 1.
Johnson, Jacob T., Atlanta, Ga. Combination faucets. 1,479,544; Jan. 1.
Johnson, Jacob T., Atlanta, Ga. Combination valve fixture. 1,479,545; Jan. 1.
Johnson, Jacob T., Atlanta, Ga. Combination faucet. 1,479,546; Jan. 1.
Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission circuits. 1,479,505; Jan. 1.
Johnson, Nathan C., Englewood, N. J. Apparatus for grinding materials. 1,479,242; Jan. 1.
Johnson, Nels H., Dayton, Iowa. Hog holder. 1,478,999; Jan. 1.
Jones, Edward T., San Francisco, Calif. Hand-carried receptacle. 1,479,611; Jan. 1.
Jones Electric Corporation, The. (See Jones, Sydney P., assignor.)
Jones, Hugh S., Lancaster Gate, London, England. Stockings suspender. 1,479,090; Jan. 1.
Jones, Sydney P., assignor to The Jones Electric Corporation, Waco, Tex. Shaving machine. 1,479,300; Jan. 1.
Jones, Sydney P., assignor to The Jones Electric Corporation, Waco, Tex. Shaving machine. 1,479,301; Jan. 1.
Jones, Sydney P., assignor to The Jones Electric Corporation, Waco, Tex. Hair clipper. 1,479,302; Jan. 1.
Jordan, Richard D., and J. H. Hall, assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Production of manganese steel. 1,479,387; Jan. 1.
Joyner, Daniel W., Kansas City, Mo. Safety warehouse truck. 1,479,612; Jan. 1.
K. C. Concrete Tie Co. (See Ickes, Peter C., assignor.)
Kaestner & Hecht Company. (See Clancy, John F., assignor.)
Kahn, Joseph, Chicago, Ill. Loose-leaf binder. 1,479,183; Jan. 1.
Kambak, Robert W., Highmore, S. Dak. Carburetor. 1,479,547; Jan. 1.
Kammerer, George. (See Palmer, W. L., and Mitchell, assignors.)
Kamrath, Emil L., assignor of one-half to H. J. Baerwald and one-half to C. H. Baerwald, Milwaukee, Wis. Friction-grip hanger. 1,479,243; Jan. 1.
Keeler, Henry L., Lundy's Lane, Pa. Burglar alarm. 1,479,184; Jan. 1.
Keipper, Albert T., Milwaukee, Wis. Egg carton. 1,479,244; Jan. 1.
Kellemen, Henry F., assignor to Marshall-Wells Company, Duluth, Minn. Screw driver. 1,479,506; Jan. 1.
Keller, James D., Detroit, Mich. Tendon bandage boot 1,479,000; Jan. 1.
Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
Kellogg Switchboard and Supply Company. (See Potter, Earl F., assignor.)
Kelly, Henry D., Kansas City, Mo. Seal for vacuum coffee urns. 1,479,245; Jan. 1.
Kelm, Richard E., Milwaukee, Wis. Combination tire bolder and receptacle. 1,479,246; Jan. 1.
Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,479,100; Jan. 1.
Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex signaling. 1,479,613; Jan. 1.
Kennedy, Joseph, Providence, R. I. Automatic bread-making machine. 1,479,140; Jan. 1.
Kent, Arthur A., Rosemont, and W. A. Evans, Fort Washington, Pa.; said Evans assignor to said Kent. Ignition system for internal-combustion engines. 1,479,388; Jan. 1.
Kent, Horace L., New York, N. Y. Mill. 1,479,141; Jan. 1.
Kenyon, C., Company. (See Mitchell, Harold D., assignor.)
Kenyon, Thomas W. (See Whitehead, W. H., and Kenyon.)
Kernohan, Robert B., and M. W. Hall, Pittsburgh, Pa. Furnace charging. 1,479,507; Jan. 1.
Kettering, Charles F., assignor to Delco-Light Company, Dayton, Ohio. Battery-charging system. 1,479,432; Jan. 1.
Kincaid, Charles W. (See Dudley, A. M., and Kincaid.)
King, Alexander H. (See Chilton, R., and King.)
Kint, Carl C., Ray, Ind. Latch for clutch pedals. 1,479,185; Jan. 1.
Kirch, Ralph C., assignor to Weber-Kirch Mfg. Co., Keokuk, Iowa. Automobile heat distributor. 1,479,303; Jan. 1.
Kirnbauer, Michael, Forest Park, Ill. Fruit and vegetable slicer. 1,479,469; Jan. 1.
Kirschbraun, Lester, Chicago, Ill. Emulsion and making same. 1,479,042; Jan. 1.
Kirschbraun, Lester, Chicago, Ill. Waterproof and moistureproof sheet and making same. 1,479,043; Jan. 1.
Kirschbraun, Lester, Chicago, Ill. Composite board and making same. 1,479,044; Jan. 1.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Safety hand-wheel for feeding drills. 1,479,186; Jan. 1.
Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)
Klimin, Rudolph E., Seattle, assignor of forty per cent to K. Tohtieff, Aberdeen, Wash. Nut lock. 1,479,667; Jan. 1.
Klifouss, Eugène, Paris, France. Dumping vehicle. 1,479,548; Jan. 1.
Kloidt, Ferdinand H., Collingswood, N. J. Machine for fitting turbine blades. 1,479,549; Jan. 1.
Kohne, Robert D., Toledo, Ohio. Hand tool. 1,479,045; Jan. 1.
König, Friedrich, Munich, Germany. Refrigerating chamber 1,479,389; Jan. 1.
Koontz, Herbert, South Bend, Ind. Fly swatter. 1,479,046; Jan. 1.
Kops Bros. Inc. (See Kops, Daniel, assignor.)
Kops Bros. (See Kops, Waldemar, assignor.)
Kops, Daniel, assignor to Kops Bros. Inc., New York, N. Y. Apparel corset. 1,479,076; Jan. 1.
Kops, Waldemar, assignor to Kops Bros., New York, N. Y. Apparel garment. 1,479,077; Jan. 1.
Korhummel, Otto J., assignor to C. J. Bates & Son, Chester, Conn. Scissor case. 1,479,614; Jan. 1.
Korol, Constantine. (See Prytula, P., and Korol.)
Kriegerbeck, Václav, and J. Bautz, Prague, Czechoslovakia. Automatic cinematograph. 1,479,078; Jan. 1.
Kristek, Marx C., Worcester, Mass. Chuck for taper pins and the like. 1,479,550; Jan. 1.
Krogh, C. A., et al., legatees. (See Krogh, Ferdinand W.)
Krogh, Ferdinand W., deceased; M. L. Krogh, F. J. Clarke, C. A. Krogh and O. Poulsen, legatees by court order, assignors to Krogh Pump and Machinery Company, San Francisco, Calif. Lubricating system for vertical shafts. 1,479,304; Jan. 1.
Krogh, Mary L., et al., legatees. (See Krogh, Ferdinand W.)
Krogh Pump and Machinery Company. (See Krogh, Ferdinand W., assignor.)
Kuehn, William G., New York, N. Y., assignor to Johns-Manville Incorporated. Conduit and mounting. 1,479,470; Jan. 1.
Kutchera, Adolf, Bismark, N. Dak. Expansible reamer. 1,479,079; Jan. 1.
Labolle, Georges, Paris, France. Cooling installation. 1,479,551; Jan. 1.
Labombarde, Elie W., Nashua, N. H. Reenforced paper vessel. 1,479,416; Jan. 1.
Lane, Norman, Grand Blanc, Mich. Horseshoe. 1,479,710; Jan. 1.
Lansden, John M., New York, N. Y. Motor vehicle. 1,479,187; Jan. 1.
Larson, Fred E., Denver, Colo. Ground-tilling machine. 1,479,188; Jan. 1.
Laukhuff, Alfred, Shorewood, Wis., assignor to A. O. Trostel, Milwaukee, Wis. Detanning apparatus. 1,479,189; Jan. 1.
Lautrup, George W., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Multivoltage system of control for elevators. 1,479,615; Jan. 1.
Lea, John M., and J. P. B. Fiske, Detroit, Mich., assignors to Delco-Light Company, Dayton, Ohio. Power unit. 1,479,433; Jan. 1.
Ledin, Charles. (See Thompson, F. E., and Ledin.)
Lee, Henry J., Birmingham, England. Lock mechanism. 1,479,305; Jan. 1.
Legendre, Alphonse P., Fitchburg, Mass. Squeezing appliance. 1,479,101; Jan. 1.
Leger, Yvon P., Memramcook, assignor of one-fourth to L. Melanson, Moncton, New Brunswick, Canada. Detachable end for augers or bits. 1,479,306; Jan. 1.
Lekberg, Carl H. (See Waterhouse, E. P., and Lekberg.)
L'Enfant, Charles, New York, N. Y. Making pocketbooks or hand bags. 1,479,501; Jan. 1.
Lenner, Nell D., Akron, Ohio. Washboard. 1,479,471; Jan. 1.
Leonard Roller Gear Drive Thresher Company. (See Leonard, William C., assignor.)
Leonard, William C., assignor to Leonard Roller Gear Drive Thresher Company, Lewiston, Idaho. Disk wheel. 1,479,417; Jan. 1.
Levers, William, et al. (See Heffele, Gustav, assignor.)
Levy, Nathan, New York, N. Y. Cuff. 1,479,191; Jan. 1.
Lewis, Richard J., Mohawk, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,479,390; Jan. 1.
Lewtas, James and E. H., Blackburst, assignors to The Whittaker Loom Company, Limited, Preston, Lancaster, England. Automatic weft-replenishing mechanism for looms. 1,479,720; Jan. 1.
Liedtke, Horst, Berlin-Schoneberg, Germany. Medical service cabinet. 1,479,721; Jan. 1.
Light-Absorber Camera Company, The. (See Sparks, Will, assignor.)
Lilly, Granvill E., assignor of one-half to J. A. Lilly, Glen Morgan, W. Va. Car coupling. 1,479,391; Jan. 1.
Lilly, J. A. (See Lilly, Granvill E., assignor.)
Limerick, Samuel R. (See Merklinger, F. E., and Limerick.)

Lindau, Charles I., Hurley, N. Mex., and E. J. Franklin, Salt Lake City, Utah. Automatic air-lift-control system. 1,479,142; Jan. 1.
Lindsay, George B., Kokomo, Ind. Sharpening device. 1,479,190; Jan. 1.
Link-Belt Company. (See Hetzel, Frederic V., assignor.)
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric resistance furnace. 1,479,143; Jan. 1.
Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Locomotive provided with air-cooled condenser. 1,479,102; Jan. 1.
Lockett, Ralph G., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,479,001; Jan. 1.
Löfquist, Axel F. T., Utbynas Villastad, near Gottenborg, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Machine for producing index disks and the like. 1,479,144; Jan. 1.
London Lightingwares Corporation. (See Silverman, Edward L., assignor.)
Lonergan, Stephen C., Pawtucket, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Label for wound or rolled fabrics. 1,479,616; Jan. 1.
Long, William R., St. Louis, Mo. Glue and preparing the same. 1,479,472; Jan. 1.
Lord, Carroll E. (See Chism, M. C., Fletcher, Lord, and Futch.)
Loutrel, Cyrus H., South Orange, assignor to The National Lock Washer Company, Newark, N. J. Sash holder for railway-car windows. 1,479,002; Jan. 1.
Lucey Manufacturing Corporation. (See Zilen, Victor W., assignor.)
Ludden, Fred J., Chicago, Ill. Gasoline combination valve lock. 1,479,192; Jan. 1.
Ludwig & Ludwig, Inc. (See Danly, Robert C., assignor.)
Lupton's, David, Sons Company. (See Oechsle, Theodore F., assignor.)
Lyle, William R., Los Angeles, Calif. Well-drill bit. 1,479,668; Jan. 1.
Lyons, Harry C., New York, N. Y. Dispensing means for aerated beverages. 1,479,103; Jan. 1.
Lytle, Archie K., assignor to Swift and Company, Chicago, Ill. Cutting machine. 1,479,104; Jan. 1.
McAneny, Michael J., Denver, Colo. Air-pressure controller for inflating pneumatic tires. 1,479,307; Jan. 1.
McCann, John F., assignor to Duckworth Chain & Manufacturing Company, Springfield, Mass. Silent chain driving transmission. 1,479,080; Jan. 1.
McClain, James E., assignor of one-half to J. H. Dinsmore and B. M. McMahan, Greenville, Tex. Insulator protector. 1,479,669; Jan. 1.
McConway & Torley Company, The. (See Kelso, William, assignor.)
McEwan, James, et al. (See Hammer, David J., assignor.)
McGowan, James J., Pawtucket, R. I., assignor to Whitin Machine Works, Whitinsville, Mass. Scavenging system for textile machinery. 1,479,392; Jan. 1.
McKinley, Andrew B., and A. Hurley, assignors to Continental Car Co. of America, Louisville, Ky. Dump wagon. 1,479,247; Jan. 1.
McKnight, Janie A., Lincolnton, N. C. Adjustable headsize hat and lining therefor. 1,479,670; Jan. 1.
McLaughlin, George P., Shickshinny, Pa. Stop mechanism for spinning machines. 1,479,722; Jan. 1.
McMahan, Bruce M., et al. (See McClain, James E., assignor.)
McMahon, James A. (See McMahon, Joseph and J. A.)
McMahon, Joseph and J. A., Brooklyn, N. Y. Extraction of soluble constituents of materials. 1,479,145; Jan. 1.
McPhee, Clement S., Newton, Mass. Shoe-polishing brush. 1,479,003; Jan. 1.
McQuarrie, James L., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,479,617; Jan. 1.
McQuiston, James, assignor to The Boston Manufacturing Company 1901, Waltham, Mass. Container for bolts of textile fabric. 1,479,723; Jan. 1.
McSpadden, Theodore R., Nowata, Okla. Suction-rod guide clamp for oil pumps. 1,479,193; Jan. 1.
Maake, Arthur, Detroit, Mich. Window for vehicle curtains. 1,479,306; Jan. 1.
MacIsaac, Albert H., Toronto, Ontario, Canada. Tap. 1,479,724; Jan. 1.
MacKay, Henry J. S., Rosemount, Isle of Wight, England, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam generator. 1,479,473; Jan. 1.
Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Electric fluid sterilizer. 1,479,725; Jan. 1.
Maculen, Frederick, Rahway, and G. L. Van Allen, Newark, N. J., assignors to Baker & Company, Inc. Post for artificial teeth. 1,479,508; Jan. 1.
Magnet, Fritz, Iserlohn, Germany. Metal-rolling mill. 1,479,552; Jan. 1.
Mansbendel, Fritz P., Brooklyn, N. Y. Display turntable. 1,479,618; Jan. 1.
Manteuffel, William, St. Paul, Minn. Refrigerator. 1,479,727; Jan. 1.
Marbury, Ralph E., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless receiving system. 1,479,146; Jan. 1.
Markworth, John C., Cleveland, Ohio. Educational appliance. 1,479,147; Jan. 1.
Mars, Thomas H., assignor to Federal Electric Company, Chicago, Ill. Gearing. 1,479,194; Jan. 1.
Marshall, Ernest W., Yonkers, N. Y. Elevator-signal reflector. 1,479,081; Jan. 1.
Marshall-Wells Company. (See Kellemen, Henry F., assignor.)
Martin, Jesse C., jr., San Francisco, Calif. Fire-box lining. 1,479,393; Jan. 1.
Martinez, Jóse, Palmdale, Calif. Power-driven fan. 1,479,619; Jan. 1.
Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft. (See Feilner, Karl, assignor.)
Mastick, Reuben W., jr. (See Coffin, L. R., and Mastick.)
Mastin, Charles I. E., Midland Park, N. J. Packing. 1,479,148; Jan. 1.
Mattei, Diego, and A. Mazza, Genoa, Italy. Apparatus for the manufacture of weldless tubes from fibrous materials and hydraulic cement substances. 1,479,149; Jan. 1.
Matthies, William H. (See Polinkowsky, L., and Matthies.)
Mattix, Charles K., Hubbard, Ohio. Dumping truck. 1,479,309; Jan. 1.
Maxwell, Maxwell C., assignor to Yale & Towne Manufacturing Company, Stamford, Conn. Facing-ring structure for cylinder locks. 1,479,726; Jan. 1.
Mazza, Adolfo. (See Mattei, D., and Mazza.)
Meade, James, Stoughton, Mass. Manufacture of rubberized fabric. 1,479,394; Jan. 1.
Medcalf, Lee A., Fairgrove, Mich. Bean-sorting device. 1,479,082; Jan. 1.
Meixner, William J., Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Lighting fixture. Des. 63,688; Jan. 1.
Meixner, William J., Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Lighting fixture. Des. 63,689; Jan. 1.
Meixner, William J., Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Lighting fixture. Des. 63,690; Jan. 1.
Meixner, William J., Camden, N. J., assignor to Voigt Company, Philadelphia, Pa. Lighting fixture. Des. 63,691; Jan. 1.
Melanson, Lucien. (See Leger, Yvon P., assignor.)
Mellus, Grover B., Los Angeles, Calif. Garter. 1,479,150; Jan. 1.
Merklinger, Frank E., and S. R. Limerick, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Die used in the manufacture of horseshoes. 1,479,728; Jan. 1.
Merté, Willy, assignor to the Firm of Carl Zeiss, Jena, Germany. Photographic objective. 1,479,195; Jan. 1.
Merté, Willy, assignor to the Firm of Carl Zeiss, Jena, Germany. Photographic lens. 1,479,196; Jan. 1.
Merté, Willy, assignor to the Firm of Carl Zeiss, Jena, Germany. Photographic lens. 1,479,197; Jan. 1.
Mesinger, Frederick, New York, N. Y. Saddle. 1,479,620; Jan. 1.
Metal Specialties Manufacturing Company. (See Wilie, Carl I., assignor.)
Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate-valve lifter. 1,479,395; Jan. 1.
Meyer, John A., Malcom, Iowa. Corn husker. 1,479,396; Jan. 1.
Meyer, Roy J., Lenora, Kans. Animal trap. 1,479,509; Jan. 1.
Meyercord, George R., Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Booth or compartment. 1,479,474; Jan. 1.
Meyers, George W., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Automatic coin controlling and registering mechanism. 1,479,105; Jan. 1.
Mick, Louis, Tilleur-lez-Liege, assignor to the Société Anonyme des Acieries d'Angleur, Tilleur, near Liege, Belgium. Metal railway or like sleeper and rail attachment thereto. 1,479,198; Jan. 1.
Miehle Printing Press & Manufacturing Co. (See Blaine, Joseph R., assignor.)
Mills, Herbert S. (See Sandell, Henry K., assignor.)
Mininberg, Nathan, Minneapolis, Minn. Food product and making the same. 1,479,418; Jan. 1.
Minnier, Blythe J. (See Bickel, H. F., and Minnier.)
Minton, Ogden, Greenwich, Conn. Radio receiving apparatus. 1,479,475; Jan. 1.
Mitchell, Harold D., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y. Tire tread. Des. 63,692; Jan. 1.
Mitchell, Harold D., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y. Tire tread. Des. 63,693; Jan. 1.
Mitchell, Herbert L., and J. W. Slate, Walnut Cove, N. C. Iron. 1,479,729; Jan. 1.
Mitchell, Marshall. (See Palmer, W. L., and Mitchell.)
Mitchell, William A., Denison, Tex., assignor to Universal Draft Gear Attachment Co. Coupler yoke. 1,479,199; Jan. 1.
Mock, Walter W., Rutherford, N. J. Gritless carboniferous ink and making same. 1,479,047; Jan. 1.
Mock, Walter W., Rutherford, N. J. Apparatus for making gritless carboniferous printing inks. 1,479,048; Jan. 1.
Moeslein, Oscar W., Harrisburg, Pa. Egg separator. 1,479,730; Jan. 1.

Moller, Edward M. (See Benedict, H. A., and Moller.)
Monitor Controller Company. (See Holmes, William T., assignor.)
Monroe, Oran D., Celina, Ohio. Posthole digger. 1,479,310; Jan. 1.
Moody, Morris R. (See Clarke, J. A., jr., and Moody.)
Moone, Albert E. F., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Protective cover for articles. 1,479,151; Jan. 1.
Moore, Ralph S., et al. (See Rakestraw, Thomas G., assignor.)
Moore, Thomas F., Morris Plains, assignor to Moore Trench Machine Company, Rockaway, N. J. Grab bucket trenching machine. 1,479,200; Jan. 1.
Moore Trench Machine Company. (See Moore, Thomas F., assignor.)
Moore, William E., assignor to W. J. Hartwig, Detroit, Mich. Machine for insulating armature windings. 1,479,248; Jan. 1.
Mora, John F. (See Halstead, J. S., and Mora.)
Morgan Construction Company. (See Quinn, Edward J., assignor.)
Morgan, Ivan C., Austin, Ind. Tomato-coring machine. 1,479,004; Jan. 1.
Morgan, John S., assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Detinning iron. 1,479,731; Jan. 1.
Morgan, William H., and J. F. Brunsell, Dorchester, Mass. Combined die and mold. 1,479,510; Jan. 1.
Morley, Charles F. (See Thomas, S. A., and Yawman, assignors.)
Morris, Howard I., assignor to The Yoder-Thomas Mfg. Co., Cleveland, Ohio. Magnetic operating mechanism. 1,479,083; Jan. 1.
Morrow, Howard W. (See Bayles, L. C., and Morrow.)
Moskowitz, Louis, Brooklyn, N. Y., and B. J. Cohon, Westwood, N. J. Striker plate for locks. 1,479,371; Jan. 1.
Moss, Victor G., assignor to The Champion Register Company, Cleveland, Ohio. Reel for clotheslines and the like. 1,479,106; Jan. 1.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Carrier for braiding machines. 1,479,397; Jan. 1.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Mowry, William F., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 63,694; Jan. 1.
Muchmore, Loy. (See Vining, Edwin E., assignor.)
Mueller, Albert B., Chicago, Ill. Clamp. 1,479,476; Jan. 1.
Munroe, Treadway B., Chicago, Ill., assignor to C. F. Dahlberg, Minneapolis, Minn. Preserving bagasse fibers and a bale thereof. 1,479,419; Jan. 1.
Munster, Harry J., San Diego, Calif. Switch for motion-picture projectors. 1,479,311; Jan. 1.
Murray Company, The. (See Henry, Nelson B., assignor.)
Myers, Romaine, assignor to California Cap Company, Oakland, Calif. Dynamo-electric machine. 1,479,152; Jan. 1.
Mylius, Walter G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,479,153; Jan. 1.
Nash Engineering Company. (See Jennings, Irving C., assignor.)
National Lock Washer Company, The. (See Loutrel, Cyrus H., assignor.)
National Pneumatic Company. (See Gottschalk, Albert, assignor.)
National Pneumatic Company. (See Meyers, George W., assignor.)
Naylor, Carl G., Chicago, Ill., assignor to Naylor-Robertson Company. Spiral pipe. 1,479,201; Jan. 1.
Naylor-Robertson Company. (See Naylor, Carl G., assignor.)
Nelson, Victor A., Portland, Oreg. Tool for holding piston rings in their seats. 1,479,434; Jan. 1.
Nenno, Herbert J., Rochester, N. Y. Decorative lighting. 1,479,420; Jan. 1.
Nestle's Food Company. (See Rice, Frank E., assignor.)
New Haven Clock Co. (See Porter, Wilson E., assignor.)
New York Air Brake Company, The. (See Bickel, H. F., and Minnier, assignors.)
Ney, J. M., Company, The. (See Pfunder, Emil L., assignor.)
Neyret, Joseph, Lyon, France. Internal-combustion engine for bicycles. 1,479,084; Jan. 1.
Nichols, Washington F., Munfordville, Ky. Magnetic typewriting machine. 1,479,621; Jan. 1.
Noble, Newton S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Universal-joint disk. 1,479,477; Jan. 1.
Nordberg, Bruno V. E., Milwaukee, Wis. Internal-combustion engine. 1,479,085; Jan. 1.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Take-up mechanism for looms. 1,479,154; Jan. 1.
Nottingham, Edwin L., Washington, D. C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Facing-ring structure for locks. 1,479,671; Jan. 1.
Null, Lester N., assignor of one-half to J. W. Smith, Oilton, Okla. Portable windlass jack. 1,479,672; Jan. 1.
Oates, Stephen I., jr., and C. H. Cheves, Houston, Tex. Fuel-tank attachment for automobiles. 1,479,622; Jan. 1.
Oberg, John, Bovey, Minn. Draft coupling. 1,479,202; Jan. 1.
Oddsen, Gustav A., Brooklyn, N. Y. Cut-off-tool holder. 1,479,203; Jan. 1.
Oechsle, Theodore F., assignor to David Lupton's Sons Company, Philadelphia, Pa. Pipe-bending machine. 1,479,204; Jan. 1.
Ogden, John E. (See Tomkinson, Charles C., assignor.)
O'Harrow, Lydia M., Philadelphia, Pa. Shutter attachment for doors. 1,479,312; Jan. 1.
Ohm, Albert J. D., Astoria, N. Y., assignor to Max Schaffer Company. Ring body for lamp fixtures. Des. 63,695; Jan. 1.
Ohman, John L., deceased, Niagara Falls, by C. A. White, administrator, assignor to Buffalo Refractory Corporation, Buffalo, N. Y. Refractory composition. 1,479,107; Jan. 1.
Oil Conservation Engineering Company, The. (See Brooks, Stephen H., assignor.)
O'Leary, Peter J., Kansas City, Mo. Propelling mechanism for conveying loads. 1,479,249; Jan. 1.
Oliver Typewriter Company, The. (See Washburne, William H., assignor.)
Ollard, James C., Chester, Pa. Combined door catch and buffer. 1,479,398; Jan. 1.
Olson, Herbert O., assignor to The Bedwells, Rockford, Ill. Spring support for vehicles. 1,479,478; Jan. 1.
Olson, Richard, Superior, Wis. Operating and latch device for doors. 1,479,399; Jan. 1.
Osswald, Herman, Glendale, N. Y. Roll-feed mechanism for power presses. 1,479,479; Jan. 1.
Otis Elevator Company. (See Lautrup, George W., assignor.)
Overton, John H., assignor to Essex Rubber Company, Trenton, N. J. Machine for cutting blanks. 1,479,623; Jan. 1.
Owen, Francis E., Thistle, Utah. Twister for locomotive exhaust nozzles. 1,479,480; Jan. 1.
Pabian, Paul, Trenton, N. J. Lighter for cigars and cigarettes. 1,479,624; Jan. 1.
Pagé, Victor W., Kew Gardens, N. Y. Side-frame brace and radiator shell. 1,479,934; Jan. 1.
Pagé, Victor W., Kew Gardens, N. Y. Cam-follower guide. 1,479,735; Jan. 1.
Pallavicini, Bela, Vienna, Austria. Shock-deadening ball or roller bearing. 1,479,313; Jan. 1.
Palmer, William L., and M. Mitchell, Long Beach, assignors of one-third to G. Kammerer, Los Angeles, Calif. Casing head and blow-out preventer. 1,479,625; Jan. 1.
Paradox Engineering Company. (See Gottlieb, Edward, assignor.)
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,479,481; Jan. 1.
Parker, John W., Detroit, Mich. Universal grinding, drilling, and turning machine. 1,479,205; Jan. 1.
Parker, Victor A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Des. 63,696; Jan. 1.
Parlow, Mate, Coello, Ill. Trolley pole. 1,479,553; Jan. 1.
Parsons, Charles A., Newcastle-on-Tyne, England. Means for stirring glass. 1,479,511; Jan. 1.
Parsons, Harry N., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Ball retainer. 1,479,086; Jan. 1.
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Pearson, George C., Rochester, N. Y. Holding means for tire casings. 1,479,005; Jan. 1.
Peck, Frank G., Lewiston, Me. Automobile controlling apparatus. 1,479,006; Jan. 1.
Pedersen, Arnt B., Minneapolis, Minn. Fastening device for swinging windows and doors. 1,479,007. Jan. 1.
Peirce, Charles L., jr., Pittsburgh, Pa., assignor of one-half to Hubbard & Company. Insulator support or bracket. 1,479,155; Jan. 1.
Peirce, Ralph S., Hinsdale, Ill. Pipe clamp. 1,479,316; Jan. 1.
Peirce, Ralph S., Hinsdale, Ill. Pipe clamp. 1,479,317; Jan. 1.
Penrod, John. (See Thompson, R. D., and Penrod.)
People of the United States. (See Gore, Herbert C.)
Peoples National Bank, executor. (See Townley, Montgomery C.)
Perham, Arthur L. (See Dawson, A. T., Watt, and Perham.)
Perkins, George W., assignor to Heaton Peninsular Button Fastener Company, Boston, Mass. Stapling tool. 1,479,512; Jan. 1.
Petty, William M., Livermore, Colo., assignor of one-half to G. R. Holcomb, Laramie, Wyo. Guard. 1,479,736; Jan. 1.
Pfeiffer, Carl G., Peekskill, N. Y. Drying machine. 1,479,626; Jan. 1.
Pfunder, Emil L., Windsor, assignor to The J. M. Ney Company, Hartford, Conn. Collet-chuck-operating means. 1,479,314; Jan. 1.
Pharis, Carl, assignor to The Pharis Tire and Rubber Co., Newark, Ohio. Tire. Des. 63,697; Jan. 1.

Pharis Tire and Rubber Co., The. (See Pharis, Carl, assignor.)
Phelps, Edwin S., Montclair, N. J. Device for practice of golf putting. 1,479,673; Jan. 1.
Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Electrical condenser and making the same. 1,479,315; Jan. 1.
Pine Tree Milking Machine Company. (See Stampen, Jacob J., assignor.)
Piquerez, Emile, St. Ursanne, Switzerland. Grease cup for fluid lubricants. 1,479,436; Jan. 1.
Pisteman, Henry, Poulsbo, Wash. Saw-setting device. 1,479,318; Jan. 1.
Polinkowsky, Lipa, New York, N. Y., and W. H. Matthies, Hackensack, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,479,554; Jan. 1.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Case for stem-winding and stem-setting automobile clocks. 1,479,627; Jan. 1.
Potter, Earl F., Glencoe, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,479,555; Jan. 1.
Poulsen, Oscar, et al., legatees. (See Krogh, Ferdinand W.)
Powell, Arthur, Cobridge, Stoke-on-Trent, England. Shoe heel. 1,479,421; Jan. 1.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,479,250; Jan. 1.
Powers, Timothy B., Brooklyn, N. Y. Watch and compass holder for belts. 1,479,008; Jan. 1.
Prencel, Anthony M., and E. Hoffmann, Seguin, Tex. Merry-go-round. 1,479,737; Jan. 1.
Prescott, George R., Somerville, Mass. Apparatus for loading heel molds with washers. 1,479,156; Jan. 1.
Prescott, Sydney I., New York, N. Y., and F. J. Rummler, Lyndhurst, N. J. Wheel. 1,479,482; Jan. 1.
Prest-O-Lite Co., The. (See Wilson, Harland D., assignor.)
Proctor, Charles A. (See Ames, A., jr., and Proctor.)
Prytula, Peter, and C. Korol, Ratner, Saskatchewan, Canada. Lamp burner. 1,479,674; Jan. 1.
Pullin, Cyril G., Isleworth, England. Velocipede frame. 1,479,738; Jan. 1.
Purchio, Amico M., Buffalo, N. Y. Lamp-operating mechanism for automobiles. 1,479,435; Jan. 1.
Quinn, Edward J., assignor to Morgan Construction Company, Worcester, Mass. Clutch. 1,479,732; Jan. 1.
Quinn, Martin J., Toronto, Ontario, Canada. Pressure-regulating means for electrically-operated apparatus. 1,479,733; Jan. 1.
Radtke, Julius F., Chicago, Ill. Lamp holder. 1,479,739; Jan. 1.
Rakestraw, Thomas G., assignor to R. O. Brandenburg and R. S. Moore, Detroit, Mich. Steam trap. 1,479,556; Jan. 1.
Ramig, Adolph R., Chicago, Ill. Holder for menus and bills of fare. 1,479,513; Jan. 1.
Raymond, Worley R., New York, N. Y. Building construction. 1,479,557; Jan. 1.
Rees, Ben, Anaheim, Calif. Lawn sprinkler. 1,479,675; Jan. 1.
Reid, Joseph S., assignor to Clark Brothers Company, Olean, N. Y. Track brace. 1,479,676; Jan. 1.
Reinhart, Ralph W., Sandusky, Ohio. Tire tread. Des. 63,698; Jan. 1.
Reiter, Lues, Providence, R. I. Connector for loose-leaf binders. 1,479,740; Jan. 1.
Reitz, Harry, Ames, Okla. Tool. 1,479,741; Jan. 1.
Remhilt, Arthur G., Philadelphia, Pa. Signal device. 1,479,319; Jan. 1.
Remington Accounting Machine Corporation. (See Chapin, John J., assignor.)
Remington, Alfred M., assignor, by mesne assignments, to Simonds Saw and Steel Company, Fitchburg, Mass. Groover saw. 1,479,514; Jan. 1.
Remington Typewriter Company. (See Barr, J. H., and Barney, assignors.)
Remington Typewriter Company. (See Lewis, Richard J., assignor.)
Remington Typewriter Company. (See Seib, George A., assignor.)
Renken, Henry, New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Adjusting device. 1,479,108; Jan. 1.
Repp, William H., Rochester, N. Y. Projecting lens. 1,479,251; Jan. 1.
Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Puff-holding device for vanity boxes. 1,479,009; Jan. 1.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. 1,479,483; Jan. 1.
Rice, Albert G., assignor to Rice Manufacturing Company, Indianapolis, Ind. Rivet breaker or cutter. 1,479,320; Jan. 1.
Rice, Frank E., Ithaca, assignor to Nestle's Food Company, New York, N. Y. Determining finishing point in process of condensing milk. 1,479,087; Jan. 1.
Rice Manufacturing Company. (See Rice, Albert G., assignor.)
Rice, Nathan F., Chicago, Ill. Valve pad for pneumatic tires. 1,479,019; Jan. 1.
Richards, Edith M., Hartford, Conn. Pincushion. 1,479,252; Jan. 1.
Riter-Conley Manufacturing Company. (See Hill, H. O., and Wilkinson, assignors.)
Rivetta, Giovanni, Paris, France, assignor to Sept Cinema Camera Distributors, Inc., New York, N. Y. Motion-picture-camera take-up-reel mechanism. 1,479,253; Jan. 1.
Roberts, Milton. (See Rolker, Edwin, assignor.)
Robinson, Clarence J. (See Cummings, J. T., Daulton, Taylor, and Robinson.)
Rodgers, Fay, Memphis, Tenn. Fastener. 1,479,742; Jan. 1.
Rolker, Edwin, Baltimore, assignor to M. Roberts, Baltimore County, Md. Animal trap. 1,479,677; Jan. 1.
Rolker, Edwin, Baltimore, assignor to M. Roberts, Baltimore County, Md. Animal trap. 1,479,678; Jan. 1.
Roost, Richard, assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Discharge-valve mechanism for used laundry water. 1,479,254; Jan. 1.
Root, Ernest R. (See Smith, J., and Root.)
Royal Typewriter Company. (See Dowd, Bernard J., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Rudolph, Walter H., assignor to The Fuller Brush Company, Hartford, Conn. Cleaning implement. 1,479,109; Jan. 1.
Rufeisen, Henry, Newark, N. J. Finger ring. Des. 63,699; Jan. 1.
Rummler, Francis J. (See Prescott, S. I., and Rummler.)
Runsvold, Martin S., and H. G. Sloane, San Diego, Calif. Mail canceling, sorting, and distributing machine. 1,479,321; Jan. 1.
Russell, Theodore, Naugatuck, Conn. Tongue buckle. 1,479,515; Jan. 1.
Sachs, Joseph, Hartford, Conn. Locking means for inclosed electric switches. 1,479,011; Jan. 1.
Sachs, Joseph, Hartford, Conn. Electrical connection means. 1,479,012; Jan. 1.
Salata, Andrew, New York, N. Y. Lock. 1,479,743; Jan. 1.
Salata, Andrew, New York, N. Y. Lock. 1,479,744; Jan. 1.
Salbach, Otto, Stockton, Calif. Wheel-turning lathe. 1,479,255; Jan. 1.
Sammons, Lonny H., Houston, Tex. Side curtain for vehicle tops. 1,479,400; Jan. 1.
Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Space current device. 1,479,256; Jan. 1.
Sand-plm, Oscar N., Denver, Colo. Hose clamp. 1,479,679; Jan. 1.
Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,479,322; Jan. 1.
Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,479,323; Jan. 1.
Sayles Finishing Plants, Inc. (See Lonergan, Stephen C., assignor.)
Schaffer Engineering & Equipment Co. (See Crow, W., and Schaffer, assignors.)
Schaffer, John C. (See Crow, W., and Schaffer.)
Schaffer, Max Company. (See Ohm, Albert J. D., assignor.)
Schenck, John F., jr., Shelby, N. C. Sliver-lap machine. 1,479,745; Jan. 1.
Schermerhorn, Harry T., Hawthorne, N. J. Check writer. 1,479,257; Jan. 1.
Schlotfeldt, Charles. (See Spratt, L. D., assignor.)
Schmelzkopf, Edward C., assignor to Gisholt Machine Company, Madison, Wis. Reamer. 1,479,484; Jan. 1.
Schneible, Joseph, Chicago, Ill. Heat exchanger. 1,479,088; Jan. 1.
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Roller bearing for crank shafts, connecting rods, and the like. 1,479,324; Jan. 1.
Schroeder, George R., Beverly, Kans. Pin holder. 1,479,746; Jan. 1.
Schubnel, Joseph, North Adams, Mass. Chuck. 1,479,325; Jan. 1.
Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Fused cut-out. 1,479,558; Jan. 1.
Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling by high-frequency waves. 1,479,516; Jan. 1.
Seger, Ludwig, Edgewater, N. J. Hinge lock. 1,479,628; Jan. 1.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,479,326; Jan. 1.
Sept Cinema Camera Distributors, Inc. (See Rivetta, Giovanni, assignor.)
Setchell, Thomas J., St. Paul, Minn. Lignite briquette. 1,479,747; Jan. 1.
Severn, Arthur B., assignor to A. Stucki, Pittsburgh, Pa. Roller side bearing. 1,479,517; Jan. 1.
Shaw, Albert L. (See Shaw, Mayme L., E. J., and A. L.)
Shaw, Emma J. (See Shaw, Mayme L., E. J., and A. L.)
Shaw, Mayme L., E. J., and A. L., Coriane, Utah. Glass-cutting frame. 1,479,748; Jan. 1.
Sherrill, Espy D. (See Hahn, W. A., and Sherrill.)
Shields, George A., Columbus, Ohio. Glass machine. 1,479,206; Jan. 1.

Shipley Construction and Supply Company. (See Stair, William S., assignor.)
Short, Charles R., assignor to General Motors Corporation, Detroit, Mich. Piston packing. 1,479,089; Jan. 1.
Short, Ira, Essington, Pa., assignor to Westinghouse Gear & Dynamometer Company. Bearing for gearing. 1,479,157; Jan. 1.
Sibley, Cedric P., Detroit, Mich. Machine for forming and setting fasteners for papers and other materials. 1,479,680; Jan. 1.
Sicard, Ernest G., New York, N. Y. Mold. 1,479,629; Jan. 1.
Sicard, Hugh C., Niagara Falls, assignor to United States Ferro Alloys Corporation, New York, N. Y. Treating steel. 1,479,327; Jan. 1.
Silverman, Edward L., New York, N. Y., assignor to London Lightingwares Corporation. Ceiling light. Des. 63,701; Jan. 1.
Silverman, Edward L., New York, N. Y., assignor to London Lightingwares Corporation. Chandelier. Des. 63,700; Jan. 1.
Simonds Saw and Steel Company. (See Remington, Alfred M., assignor.)
Simons, John A., Montevideo, Minn. Vehicle body. 1,479,258; Jan. 1.
Simplex Electric Heating Company. (See Hewitt, Frank W., assignor.)
Sinel, Joseph C., San Francisco, Calif. Box. 1,479,328; Jan. 1.
Sinkins, Charles W., Lake Mahopac, N. Y. Lamp. Des. 63,702; Jan. 1.
Skelly, Bernard H., Bridgeport, Conn., assignor to Bowen Products Corporation, Auburn, N. Y. Nozzle attachment for oil guns. 1,479,110; Jan. 1.
Skur, August V., and C. J. Englund, New York, N. Y. Sled. 1,479,749; Jan. 1.
Slate, John W. (See Mitchell, H. L., and Slate.)
Sleplan, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator motor. 1,479,158; Jan. 1.
Sleplan, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator motor. 1,479,160; Jan. 1.
Sleplan, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing. Dynamo-electric system. 1,479,159; Jan. 1.
Sloane, Harrison G. (See Runsvold, M. S., and Sloane.)
Slomer, Joseph, Waukegan, Ill. Emergency tire for vehicle wheels. 1,479,111; Jan. 1.
Slonecker, Abiram J., assignor to Slonecker Products Company, Trenton, Mo. Jack. 1,479,090; Jan. 1.
Slonecker, Abiram J., assignor to Slonecker Products Company, Trenton, Mo. Jack. 1,479,091; Jan. 1.
Slonecker Products Company. (See Slonecker, Abiram J., assignor.)
Smith, Arthur L., Mechanicville, N. Y. Pasteurizer. 1,479,750; Jan. 1.
Smith, Edward A., West Englewood, N. J. Elevator. 1,479,518; Jan. 1.
Smith, Harry B., assignor to Bridgman Smith Patents Company, Inc., Brooklyn, N. Y. Machine for making covered paper boxes. 1,479,401; Jan. 1.
Smith, Jay, Vincennes, and E. R. Root, Medina, Ohio. Queen introducing device. 1,479,751; Jan. 1.
Smith, John W. (See Null, Lester N., assignor.)
Smith, Raymond I., Venice, Calif. Game. 1,479,681; Jan. 1.
Smith, Roy H. (See de Lapotterie, Otto H., assignor.)
Smith, Theodore L. (See Caille, A. J., and Smith.)
Smith, William J., assignor of one-fourth to J. S. De Reamer and one-fourth to C. B. Daniels, Denver, Colo. Flume construction. 1,479,682; Jan. 1.
Smith, William J., Dorchester, Mass. Differential gearing. 1,479,752; Jan. 1.
Snelling, Marjorie G., Allentown, Pa. Beverage. 1,479,329; Jan. 1.
Snelling, Walter O., Allentown, Pa. Plastic product. 1,479,330; Jan. 1.
Snyder, Ferdinand H., Shenandoah Junction, W. Va., assignor, by mesne assignments, to The Star Rebound Controller Company, Cleveland, Ohio. Rebound controller. 1,479,259; Jan. 1.
Société Anonyme des Acieries d'Angleur. (See Mick, Louis, assignor.)
Soltesz, Sandor J., New York, N. Y. Armor protector for pneumatic tires. 1,479,402; Jan. 1.
Spadone Machine Company. (See Wegner, Julius, assignor.)
Sparks, Will, assignor to The Light-Absorber Camera Company, San Francisco, Calif. Light absorber for cameras. 1,479,112; Jan. 1.
Spayd, Fred M., Van Wert, Ohio. Lathing strip. 1,479,207; Jan. 1.
Specialty Machine Company. (See Hazeltine, Robert H., assignor.)
Sperry, Elmer A., Brooklyn, N. Y. Cooling motion-picture projectors and films. 1,479,630; Jan. 1.
Sperry Gyroscope Company. (See Bassett, Preston R., assignor.)
Sperry, Lawrence B., Farmingdale, N. Y. Distance-measuring instrument for aircraft. 1,479,013; Jan. 1.
Speyer, Edmund. (See Freund, M., and Speyer.)
Sprague Canning Machinery Co. (See Babcock, Basil P., assignor.)
Spratt, L. D., assignor of one-half to C. Schlotfeldt, Chicago, Ill. Railway tie. 1,479,260; Jan. 1.
Springer, William N., Peoria, Ill., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Motor-propelled agricultural machine. 1,479,092; Jan. 1.
Stafford, George A., Sour Lake, Tex. Combination power and jack. 1,479,113; Jan. 1.
Stafford, William J., New York, N. Y. Amusement apparatus. 1,479,753; Jan. 1.
Stair, William S., assignor to Shipley Construction and Supply Company, Brooklyn, N. Y. Refrigerator-door lock. 1,479,559; Jan. 1.
Stampen, Jacob J., assignor to Pine Tree Milking Machine Company, Chicago, Ill. Claw for milking machines. 1,479,014; Jan. 1.
Standard-Johnson Co., Inc. (See Donnellan, Edward P., assignor.)
Standish, Myles, Omaha, Nebr. Bearing bolt. 1,479,261; Jan. 1.
Star Rebound Controller Company, The. (See Snyder, Ferdinand H., assignor.)
Staunton, Edmund G., Toronto, Ontario, Canada. Machine for semitrimming and marking wall paper. 1,479,161; Jan. 1.
Stebbins, Albert H., Los Angeles, Calif. Concentrator. 1,479,754; Jan. 1.
Stegeman, Otto H., Stratford, Conn. Stepladder. 1,479,262; Jan. 1.
Steiner, Joseph C., St. Louis, Mo. Short-circuiting device for electric motors. 1,479,519; Jan. 1.
Steinman, Gertrude A., Toledo, Ohio. Knife. 1,479,015; Jan. 1.
Steinmetz, Herman W., assignor to Autoquip Mfg. Company, Inc., Rochester, N. Y. Game apparatus. 1,479,774; Jan. 1.
Stephenson, Edward M., Hartford, Conn. Spray tank. 1,479,631; Jan. 1.
Stephenson, Harry M., Denver, Colo. Automatic tape or film-reversing reel. 1,479,333; Jan. 1.
Stephenson, Harry M., Denver, Colo. Internal-wind reel mechanism for motion-picture machines. 1,479,332; Jan. 1.
Stephenson, Harry M., Denver, Colo. Nonrewind reel for motion-picture films. 1,479,331; Jan. 1.
Stevens and Company. (See Stevens, Frederick A., assignor.)
Stevens, Frederick A., assignor to Stevens and Company, Inc., Providence, R. I. Display device. 1,479,632; Jan. 1.
Stevenson, Edwin W., assignor of one-half to C. D. Carey, Cheyenne, Wyo. Grease plug for locomotives. 1,479,334; Jan. 1.
Stewart-Warner Speedometer Corporation. (See Van Guilder, Walter, assignor.)
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Lay rock-shaft bearing for looms. 1,479,633; Jan. 1.
Stockman, Watson B., Chester, Pa. Diluting device for internal-combustion engines. 1,479,560; Jan. 1.
Stoekle, Erwin R., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Regulating means for direct-current circuits. 1,479,561; Jan. 1.
Stokes, Francis J., Philadelphia, Pa. Tube filler. 1,479,335; Jan. 1.
Stokes, Robert J., Trenton, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Flexible coupling. 1,479,755; Jan. 1.
Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Desk. Des. 63,703; Jan. 1.
Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Chair. Des. 63,704; Jan. 1.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strunk, Walter R., Reading, Pa. Axle-adjusting device. 1,479,562; Jan. 1.
Stucki, A. (See Severn, Arthur B., assignor.)
Sturdy's, J. F., Sons Co. (See Eklund, Axel G., assignor.)
Sturgis, Herbert M., assignor of forty-nine one-hundredths to F. Hamilton, Kansas City, Mo. Mop. 1,479,263; Jan. 1.
Summers, John G., San Diego, Calif. Turbine. 1,479,093; Jan. 1.
Sunderman, Frederick R. (See Guy, F. M., and Sunderman.)
Superheater Company, The. (See Broido, Benjamin, assignor.)
Swanson, Carl W., assignor to Apex Appliance Company, Chicago, Ill. Power-transmitting mechanism. 1,479,114; Jan. 1.
Swanson, Peter J., Seattle, Wash. Ski sled. 1,479,162; Jan. 1.
Swift and Company. (See Lytle, Archie K., assignor.)
Tallaferro, Thomas L., Chicago, Ill. Square-can-coating machine. 1,479,683; Jan. 1.
Taylor, Frank W. (See Cummings, J. T., Daulton, Taylor, and Robinson.)
Taylor, Joseph, Eltham, Taranaki, New Zealand. Milking machine. 1,479,336; Jan. 1.
Taylor-Wharton Iron and Steel Company. (See Hanks, G. R., Agar, Bench, and Bidwell, assignors.)
Taylor-Wharton Iron and Steel Company. (See Jordan, R. D., and Hall, assignor.)

Taylor-Wharton Iron and Steel Company. (See Trainor, Joseph A., assignor.)
Taylor, William O. (See Howie, K., and Taylor.)
Teets, Charles H., Union, N. J. Apparatus for cleaning and filling the transmissions and differentials of motor vehicles. 1,479,010; Jan. 1.
Temple, Willard M., Mason City, Iowa. Method of making watermarked stationery. 1,479,337; Jan. 1.
Terbeck, Joseph A., Cincinnati, Ohio. Electric switch. 1,479,520; Jan. 1.
Texas Company, The. (See Fantz, Fred C., assignor.)
Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Morgan, John S., assignor.)
Thermoid Rubber Company. (See Stokes, Robert J., assignor.)
Theroff, Herman J. et al. (See Heffele, Gustav, assignor.)
Thiery, Michael, Cincinnati, Ohio. Safety device. 1,479,115; Jan. 1.
Thilo, Firm Dr., & Co. (See Thilo, J., and Grubusch, assignors.)
Thilo, Julius, and M. Grubusch, assignors to the Firm Dr. Thilo & Co., Mainz, Germany. Automatically-operating lever lock for ethyl-chloride flasks or tubes. 1,479,521; Jan. 1.
Thomas, John G. P., Preston, England. Method of testing gear wheels, universal joints, and other power-transmitting mechanisms. 1,479,338; Jan. 1.
Thomas, John H., Orange, N. J. Cleansing utensil. 1,479,563; Jan. 1.
Thomas, Sherman A., and F. G. Yawman, assignors to C. F. Morley, Rochester, N. Y. Slicing machine. 1,479,756; Jan. 1.
Thompson, Frank E., and C. Ledin, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Facing-ring structure for cylinder locks. 1,479,684; Jan. 1.
Thompson, Robert D., and J. Penrod, Okmulgee, Okla. Oil-well equipment. 1,479,208; Jan. 1.
Thorfinnsson, Ole H., Baltimore, Md. Chiropractic table. 1,479,522; Jan. 1.
Thum, James. (See Geisslinger, Jean, assignor.)
Tilden, Charles S., assignor to The Elyria Iron & Steel Company, Cleveland, Ohio. Apparatus for shaping tubular stock lengths. 1,479,564; Jan. 1.
Timmons, John S., New York, N. Y. Telephone head set. 1,479,017; Jan. 1.
Tohtieff, Kiril. (See Kliavin, Rudolph E., assignor.)
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Locking mechanism for doors. 1,479,264; Jan. 1.
Tompkins, John D., Valatie, N. Y. Paper-making machine. 1,479,265; Jan. 1.
Todd, Maurice J., Manlius, N. Y., assignor of one-third to W. C. Clark and one-third to A. R. Hammerle, Syracuse, N. Y. Collapsible sawhorse. 1,479,209; Jan. 1.
Torgerson, Carl O., Slater, Iowa. Hog-house door. 1,479,339; Jan. 1.
Toscan, James E., Carendon, Pa. Receptacle for garbage and scrap cans. 1,479,634; Jan. 1.
Tow, Robert. (See Blanshaft, M., Tow, and Wetstein.)
Townley, Montgomery C., deceased, Jackson, Mich.; the Peoples National Bank, executor. Post and pole protector. 1,479,523; Jan. 1.
Tozer, Edwin R., Lakewood, assignor to The J. C. Ulmer Company, Cleveland, Ohio. Thread-grinding machine. 1,479,116; Jan. 1.
Trainor, Joseph A., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Steam shovel or dredge dipper. 1,479,340; Jan. 1.
Trent Process Corporation. See Trent, Walter E., assignor.)
Trent, Walter E., Washington, D. C., assignor, by mesne assignments, to Trent Process Corporation, Wilmington, Del. Treating coal. 1,479,757; Jan. 1.
Trickel, Joseph, Reading, Pa. Pipe vise. 1,479,341; Jan. 1.
Trimble, John, Philadelphia, Pa. Can opener. 1,479,342; Jan. 1.
Trimmer, Ray F., East Cleveland, Ohio. Door latch. 1,479,117; Jan. 1.
Trostel, Albert O. (See Laukhuff, Alfred, assignor.)
Trostel, Albert O., Milwaukee, Wis. Making felted solids of revolution. 1,479,266; Jan. 1.
Tucker, Hal W., San Antonio, Tex. Coffee dripper. 1,479,758; Jan. 1.
Turner, Frederick, et al. (See Bauer, Louis, assignor.)
Turner, George M., South Kensington, London, England. Magneto-electric machine. 1,479,759; Jan. 1.
Tyrrell, Thomas P., Akron, Ohio. Toy balloon. 1,479,163; Jan. 1.
U. S. Ball Bearing Manufacturing Company. (See Diesk, John, assignor.)
U. S. Ball Bearing Manufacturing Company. (See Parsons, Harry N., assignor.)
Ulmer, J. C., Company, The. (See Tozer, Edwin R., assignor.)
Underwood Typewriter Company. (See Helmond, William F., assignor.)
Union Switch and Signal Company, The. (See Day, Albert V. T., assignor.)
United Shoe Machinery Corporation. (See Black, George H., assignor.)
United States Ferro Alloys Corporation. (See Sicard, Hugh C., assignor.)
Universal Draft Gear Attachment Co. (See Mitchell, William A., assignor.)
Upton, Jesse H. and J. C., Columbus, Ga. Switch-operating device. 1,479,760; Jan. 1.
Upton, Joseph C. (See Upton, Jesse H. and J. C.)
Van Ackeren, Acgidius J., Cedar Rapids, Nebr. Stretcher for woven wire. 1,479,635; Jan. 1.
Van Allen, George L. (See Maeulen, F., and Van Allen.)
Van Bloem, Paul S., Hempstead, assignor to The Viking Products Corporation, New York, N. Y. Illuminated sign. 1,479,485; Jan. 1.
Van der Bijl, Hendrik J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,479,779; Jan. 1.
Van der Bijl, Hendrik J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube device. 1,479,778; Jan. 1.
Van Guilder, Walter, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Galvanometer. 1,479,524; Jan. 1.
Van Heusen, John M., Jamaica Plain, Mass., assignor to Van Heusen Products, Inc. Collar. 1,479,565; Jan. 1.
Van Heusen, John M., Jamaica Plain, Mass., assignor to Van Heusen Products, Inc. Folding collar. 1,479,566; Jan. 1.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Van Osdel, Samuel A., Johnson, Nebr. Surgical instrument. 1,479,343; Jan. 1.
Veazey, John A., Youngstown, Ohio. Railway switch. 1,479,403; Jan. 1.
Vessey, Ralph B. (See Ernser, F. H., and Vessey.)
Vickers Limited. (See Dawson, A. T., Watt, and Perham, assignors.)
Vickers Limited. (See Hazelton, George, assignor.)
Viking Products Corporation, The. (See Van Bloem, Paul S., assignor.)
Vincin, Vasle, Humble, Tex. Glove. 1,479,118; Jan. 1.
Vining, Edwin E., assignor of one-half to L. Muchmore, Utica, Kans. Clothespin. 1,479,761; Jan. 1.
Voigt Company. (See Meixner, William J., assignor.)
Vrana, John, assignor of one-half to G. B. Efantis, Cicero, Ill. Garment-measuring device. 1,479,119; Jan. 1.
Wacker, Frederick G., Chicago, Ill. Wheel puller. 1,479,568; Jan. 1.
Wagaman, John E., Hagerstown, Md. Plow attachment. 1,479,210; Jan. 1.
Wagenbach, Anton, Elberfeld, Germany. Bending device for bar iron. 1,479,762; Jan. 1.
Wahl, Leo J., Sterling, Ill. Electric clipper. 1,479,486; Jan. 1.
Waida, Frank, assignor to M. A. Waida, Chicago, Ill. Candy machine. 1,479,569; Jan. 1.
Waida, Mary A. (See Waida, Frank, assignor.)
Walton, Jerrold F., Sturgis, Mich. Bed couch. 1,479,344; Jan. 1.
Walton, Jerrold F., Sturgis, Mich. Couch bed. 1,479,345; Jan. 1.
Ward, Ernest, Independence, Mo. Vehicle traffic signal. 1,479,685; Jan. 1.
Warner, Edgar L., assignor to Concrete Pipe Company, Seattle, Wash. Molded pipe and tie lock. 1,479,120; Jan. 1.
Warren, Harold R., Boston, assignor to P. R. Warren Company, Everett, Mass. Paper box. 1,479,018; Jan. 1.
Warren, P. R., Company. (See Warren, Harold R., assignor.)
Washburne, William H., assignor to The Oliver Typewriter Company, Chicago, Ill. Two-piece valve and making same. 1,479,121; Jan. 1.
Waterhouse, Ezra P., and C. H. Lekberg, Worcester, Mass. Envelope machine. 1,479,637; Jan. 1.
Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Pole truck and steering device. 1,479,570; Jan. 1.
Watt, George E. (See Dawson, A. T., Watt, and Perham.)
Waukesha Motor Company. (See Horning, Harry L., assignor.)
Way, John J., Edgeworth, Pa. Safety device for controllers. 1,479,164; Jan. 1.
Weber-Kirch Mfg. Co. (See Kirch, Ralph C., assignor.)
Webster, William R., Bridgeport, Conn. Method of and means for extruding brass and like material. 1,479,437; Jan. 1.
Wegner, Julius, assignor to Spadone Machine Company, Inc., New York, N. Y. Automatic take-off mechanism. 1,479,346; Jan. 1.
Weissenborn, Albert B., assignor to Appleton Wire Works, Appleton, Wis. Take-up and let-off mechanism for looms. 1,479,571; Jan. 1.
Welte-Mignon Corporation. (See Bockisch, Heinrich, assignor.)
Wende, Gottfried H., Buffalo, N. Y. Current motor. 1,479,438; Jan. 1.
Wendel, Nicholas, Brooklyn, N. Y. Hand bag. 1,479,763; Jan. 1.
Wesel, F., Manufacturing Company. (See Renken, Henry, assignor.)
Western Electric Company. (See Johnson, Kenneth S., assignor.)
Western Electric Company. (See Kendall, Burton W., assignor.)
Western Electric Company. (See McQuarrie, J. L., and Goodrum, assignors.)

Western Electric Company. (See Polinkowsky, L., and Matthies, assignors.)
Western Electric Company. (See Scriven, Edward O., assignor.)
Western Electric Company. (See Van der Bijl, Hendrik J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clarke, J. A., jr., and Moody, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dudley, A. M., and Kincaid, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hallock, F. D., Chubb, and Guildford, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harvey, Albert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sleplan, Joseph, assignor.)
Westinghouse Gear & Dynamometer Company. (See Short, Ira, assignor.)
Wetstein, Henry. (See Blanshaft, M., Tow, and Wetstein.)
Weymann, Eduard, assignor to Eisen- und Stahlwerk Hoesch Aktiengesellschaft, Dortmund, Germany. Method for the heating of melting furnaces or the like. 1,479,347; Jan. 1.
Wheeler, Max A., Lind, Wash. Machine for treating small grain. 1,479,764; Jan. 1.
White, Birdora H., Chicago, Ill. Garment supporter. 1,479,572; Jan. 1.
White, Charles A., administrator. (See Ohman, John L.)
White Lily Manufacturing Company. (See White, Samuel T., assignor.)
White, Samuel T., assignor to White Lily Manufacturing Company, Davenport, Iowa. Clothes wringer. 1,479,487; Jan. 1.
Whitehead, William H., and T. W. Kenyon, Paterson, N. J. Fabric-rubbing machine. 1,479,525; Jan. 1.
Whitin Machine Works. (See McGowan, James J., assignor.)
Whiting, Emmett E., Wabasha, Minn. Tripod. 1,479,765; Jan. 1.
Whittaker Loom Company. (See Lewtas, J., and Blackhurst, assignors.)
Whyman, Horatio O., Phoenix, Ariz. Combined writing desk and blackboard. 1,479,766; Jan. 1.
Wiard, John B., Lynn, Mass. Dynamo-electric machine. 1,479,636; Jan. 1.
Wickersham, Elmer E., Oakland, assignor to The Holt Manufacturing Company, Stockton, Calif. Equalizing mechanism for tractors. 1,479,348; Jan. 1.
Wickersham, Elmer E., assignor to The Holt Manufacturing Company, Stockton, Calif. Tractor driving sprocket. 1,479,349; Jan. 1.
Wiel, Eli H., San Francisco, Calif. Game accessory. 1,479,350; Jan. 1.
Wildman Mfg. Co. (See Howie, K., and Taylor, assignors.)
Wiley, Samuel, Metuchen, N. J. Combined fire arm and grenade discharger. 1,479,122; Jan. 1.
Wilkie, Julius C., Winona, Minn. Tool turret. 1,479,526; Jan. 1.
Wilkins, Thomas E., Cullman, Ala. Harness buckle. 1,479,686; Jan. 1.
Wilkinson, William. (See Hill, H. O., and Wilkinson.)
Wille, Carl L., assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connecter. 1,479,123; Jan. 1.
Williams, Reginald V., Buffalo, N. Y. Dental clasp. 1,479,439; Jan. 1.
Wilmot Engineering Company. (See Wilmot, George W., assignor.)
Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Jig-pan supporting and vibrating means. 1,479,573; Jan. 1.
Wilson, David W., Toledo, Ohio. Lamp bracket. 1,479,019; Jan. 1.
Wilson, Harland D., assignor to The Prest-O-Lite Co., Inc., Indianapolis, Ind. Battery electrode. 1,479,527; Jan. 1.
Wilson, Sprullie A., Sherman, Calif. Wheeled scraper. 1,479,687; Jan. 1.
Wilson, Wellington, Brooklyn, N. Y. Direction indicator for vehicles. 1,479,528; Jan. 1.
Winkley, Frank D., Chicago, Ill. Counterboring or counterfacing tool. 1,479,124; Jan. 1.
Winterbottom, Ralph F., Waterloo, Iowa. Combination transporting means for boilers. 1,479,351; Jan. 1.
Witten, William S., Chicago, Ill. Latch for gates, etc. 1,479,268; Jan. 1.
Witten, William S., Chicago, Ill. Lock. 1,479,269; Jan. 1.
Witten, William S., Chicago, Ill. Hinge. 1,479,352; Jan. 1.
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Wolcott, Edson R., assignor to International Precipitation Company, Los Angeles, Calif. Removal of suspended material from gases. 1,479,270; Jan. 1.
Wolcott, Edson R., assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for separating suspended particles from gases. 1,479,271; Jan. 1.
Wolf, Edwin E., assignor to Colony Club Frocks, New York, N. Y. Dress. Des. 63,705; Jan. 1.
Wolf, John J., Boonton, N. J. Shifting apparatus. 1,479,767; Jan. 1.
Woodward, Thomas W., Collinsville, Ill. Paint composition. 1,479,768; Jan. 1.
Woonsocket Machine & Press Co. (See Albrecht, George F., assignor.)
Wright, Freeman W., Venezia, Ariz. Telegraph transmitter. 1,479,688; Jan. 1.
Wright, Parvin. (See Gerrard, A. J., and Wright.)
Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
Yale & Towne Manufacturing Company. (See Maxwell, Maxwell C., assignor.)
Yale & Towne Manufacturing Company, The. (See Nottingham, Edwin I., assignor.)
Yale & Towne Manufacturing Company, The. (See Thompson, F. E., and Ledin, assignors.)
Yamanishi, Munoknzu, Seattle, Wash. Collapsible chair and bag. 1,479,769; Jan. 1.
Yawman, Fred G. (See Thomas, S. A., and Yawman.)
Yoder-Thomas Mfg. Co., The. (See Morris, Howard I., assignor.)
Young, Harold E., Minneapolis, Minn. Device for washing surfaces. 1,479,272; Jan. 1.
Zeiss, Firm of Carl. (See Erfle, Heinrich, assignor.)
Zeiss, Firm of Carl. (See Merté, Willy, assignor.)
Zeller, Jacob F., Los Angeles, Calif. Disappearing golf tee. 1,479,689; Jan. 1.
Zelzah Carbonator Co. (See Johnsen, Birger, assignor.)
Zetterlund, Carl, Chicago, Ill. Controlling means for hoisting apparatus. 1,479,574; Jan. 1.
Zidakovits, Louis, Cleveland, Ohio. Adjustable counterborer. 1,479,488; Jan. 1.
Ziemss, Henry, jr., Chicago, Ill. Toy vehicle. 1,479,020; Jan. 1.
Zilen, Victor W., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Duplex-table rotary drilling machine. 1,479,165; Jan. 1.
Zomnir, Joseph E., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Machine for assembling book matches. 1,479,489; Jan. 1.
Zomnir, Joseph E., Springfield, Ill., assignor to The Diamond Match Company, Chicago, Ill. Machine for assembling book matches. 1,479,490; Jan. 1.
Zworykin, Vladimir K., Kansas City, Mo. Multiple regenerative loop antenna and circuit. 1,479,638; Jan. 1.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator, Portable. A. F. Jenkins. 1,479,609; Jan. 1.
Adjusting device. H. Benken. 1,479,108; Jan. 1.
Advertising purposes, Projecting apparatus for. H. Bendmann. 1,479,404; Jan. 1.
Agricultural machine, Motor-propelled. W. N. Springer. 1,479,092; Jan. 1.
Air-lift-control system, Automatic. C. I. Lindau and E. J. Franklin. 1,479,142; Jan. 1.
Aircraft, Distance-measuring instrument for. L. B. Sperry. 1,479,013; Jan. 1.
Aircraft, Supply means for. G. L. Cabot. 1,479,221–2; Jan. 1.
Airplanes, Inclination indicator for. J. F. Booraem. 1,479,024; Jan. 1.
Alarm: *See*—
Burglar alarm.
Amusement apparatus. W. J. Stafford. 1,479,753; Jan. 1.
Animal trap. R. J. Meyer. 1,479,509; Jan. 1.
Animal trap. E. Rolker. 1,479,677–8; Jan. 1.
Arc gap. C. E. Bennett. 1,479,692–3; Jan. 1.
Armature-coil winder. J. F. Cullin. 1,479,285; Jan. 1.
Armature-winding-testing mechanism. J. T. Cullin. 1,479,284; Jan. 1.
Articles, Protective cover for. A. E. F. Moone. 1,479,151; Jan. 1.
Augers or bits, Detachable end for. Y. P. Leger. 1,479,306; Jan. 1.
Automobile controlling apparatus. F. G. Peck. 1,479,006; Jan. 1.
Automobile heat distributor. R. C. Kirch. 1,479,303; Jan. 1.
Automobile train. A. J. Borst, jr. 1,479,215; Jan. 1.
Automobiles, Fuel-tank attachment for. S. I. Oats, jr., and C. H. Cheves. 1,479,622; Jan. 1.
Automobiles, Lamp-operating mechanism for. A. M. Purchio. 1,479,435; Jan. 1.
Axle-adjusting device. W. R. Strunk. 1,479,562; Jan. 1.
Axle for motor vehicles. R. J. Burrows. 1,479,220; Jan. 1.
Axle spindle, Emergency. K. Armstrong. 1,479,273; Jan. 1.
Bag: *See*—
Hand bag.
Ball retainer. H. N. Parsons. 1,479,086; Jan. 1.
Barrel-hoisting apparatus. F. C. Fants. 1,479,593; Jan. 1.
Basket. M. F. Brubanik. Des. 63,687; Jan. 1.
Bath: *See*—
Shower bath.
Battery-charging system. C. F. Kettering. 1,479,432; Jan. 1.
Bean-sorting device. L. A. Medcalf. 1,479,082; Jan. 1.
Bearing bolt. M. Standish. 1,479,261; Jan. 1.
Bearing box. J. H. Baninger. 1,479,445; Jan. 1.
Bearing for crank shafts, connecting rods, and the like, Roller. E. Schneider. 1,479,324; Jan. 1.
Bearing, Roller slide. A. B. Severn. 1,479,517; Jan. 1.
Bearing, Shock-deadening ball or roller. B. Pallavicini. 1,479,313; Jan. 1.
Beater and mixer. F. W. Conklin. 1,479,584; Jan. 1.
Beater roll, Internal. G. R. Hanks, S. Apgar, A. R. Bench and G. L. Bidwell. 1,479,382; Jan. 1.
Beater Roll, Sectional. G. R. Hanks, S. Apgar, A. R. Bench, and G. L. Bidwell. 1,479,383; Jan. 1.
Bell, Electromagnetic. W. H. Bradley. 1,479,217; Jan. 1.
Belt. H. C. Egerton. 1,479,032; Jan. 1.
Belt cleaner. W. N. Green. 1,479,176; Jan. 1.
Belts, Watch and compass holder for. T. B. Powers. 1,479,008; Jan. 1.
Bench for player and other pianos. H. B. Bruck. 1,479,645; Jan. 1.
Beverage. M. G. Snelling. 1,479,329; Jan. 1.
Beverages, Dispensing means for aerated. H. C. Lyons. 1,479,103; Jan. 1.
Bicycles, Internal-combustion engine for. J. Neyret. 1,479,084; Jan. 1.
Binder, File. J. P. Almand. 1,479,049; Jan. 1.
Binder, Loose-leaf. J. Kahn. 1,479,183; Jan. 1.
Binder, Temporary. H. D. Inman. 1,479,607; Jan. 1.
Binders, Connecter for loose-leaf. L. Reiter. 1,479,740; Jan. 1.

Binocular. K. A. Edstrom. 1,479,409; Jan. 1.
Bit: *See*—
Drill bit.
Blanks, Machine for cutting. J. H. Overton. 1,479,623; Jan. 1.
Blasting. W. E. Harris. 1,479,070; Jan. 1.
Block: *See*—
Breech block.
Boilers, Combination transporting means for. R. F. Winterbottom. 1,479,351; Jan. 1.
Bolt: *See*—
Bearing bolt.
Bolt and chain lock. M. J. Goldstein. 1,479,709; Jan. 1.
Bolting-up machine. F. N. Hallett. 1,479,712; Jan. 1.
Boot, Tendon bandage. J. D. Keller. 1,479,000; Jan. 1.
Booth or compartment. G. R. Meyercord. 1,479,474; Jan. 1.
Bottles, Cream remover for milk. W. L. Conwell. 1,479,496; Jan. 1.
Bowl, Water. H. L. Ferris. 1,479,499; Jan. 1.
Box: *See*—
Bearing box. Mail box.
Grate fire box. Paper box.
Box. J. C. Sinel. 1,479,328; Jan. 1.
Brace: *See*—
Track brace.
Brace and radiator shell, Side-frame. V. W. Pagé. 1,479,734; Jan. 1.
Bracelet buckle. A. G. Eklund. Des. 63,677; Jan. 1.
Bracket: *See*—
Lamp bracket.
Braiding machines, Carrier for. F. Mossberg. 1,479,397; Jan. 1.
Brake: *See*—
Electric brake.
Brake-beam support. B. Haskell. 1,479,235; Jan. 1.
Brakes, Slack adjuster for. A. R. K. Djurson. 1,479,700–1; Jan. 1.
Brass and like material, Method of and means for extruding. W. R. Webster. 1,479,437; Jan. 1.
Bread-making machine, Automatic. J. Kennedy. 1,479,140; Jan. 1.
Breechblock, Equilibrated. P. J. Charbonnier. 1,479,697; Jan. 1.
Brickkiln. B. F. Cunavera. 1,479,368; Jan. 1.
Briquette, Lignite. T. J. Setchell. 1,479,747; Jan. 1.
Brush, Shoe-polishing. C. S. McPhee. 1,479,003; Jan. 1.
Bucket, Grab. P. J. Healey. 1,479,384; Jan. 1.
Buckle, Harness. T. E. Wilkins. 1,479,686; Jan. 1.
Buckle, Tongue. T. Russell. 1,479,515; Jan. 1.
Building construction. W. R. Raymond. 1,479,557; Jan. 1.
Bundle or shock compressor and holder. T. J. Drake. 1,479,461; Jan. 1.
Burglar alarm. H. L. Keeler. 1,479,184; Jan. 1.
Burner: *See*—
Lamp burner. Oil burner.
Bus, Double-deck. E. R. Brainerd. 1,479,426; Jan. 1.
Button, Safety collar and cuff. M. Gonick. 1,479,294; Jan. 1.
Cabinet, Medical service. H. Liedtke. 1,479,721; Jan. 1.
Cabinet, Towel. A. Grub. 1,479,599; Jan. 1.
Calculating machine. J. J. Chapin. 1,479,455; Jan. 1.
Cam-follower guide. V. W. Pagé. 1,479,735; Jan. 1.
Camera apparatus for binocular photography. A. Ames, jr., and C. A. Proctor. 1,479,211; Jan. 1.
Camera, Light absorber for. W. Sparks. 1,479,112; Jan. 1.
Camera take-up-reel mechanism, Motion-picture. G. Rivetta. 1,479,253; Jan. 1.
Can-coating machine, Square. T. L. Taliaferro. 1,479,683; Jan. 1.
Can opener. J. Trimble. 1,479,342; Jan. 1.
Candy machine. F. Waida. 1,479,569; Jan. 1.
Car coupler. W. Kelso. 1,479,100; Jan. 1.
Car coupling. G. E. Lilly. 1,479,391; Jan. 1.
Car heater, Tank. T. Beaghen, jr. 1,479,022; Jan. 1.
Car, Mine. H. W. Sanford. 1,479,322; Jan. 1.
Car, Railway. H. W. Sanford. 1,479,323; Jan. 1.
Car wheel. T. M. Cook. 1,479,373; Jan. 1.
Car windows, Sash holder for railway. C. H. Loutrel. 1,479,002; Jan. 1.
Cars, Exhaust muffler for motor. F. J. Herdle. 1,479,714; Jan. 1.
Carburetor. R. W. Kambak. 1,479,547; Jan. 1.

Carding engine, Traveling-flat. G. F. Albrecht. 1,479,639; Jan. 1.
Carton, Egg. A. T. Keipper. 1,479,244; Jan. 1.
Case: *See*—
Scissors case.
Casing head and blow-out preventer. W. L. Palmer and M. Mitchell. 1,479,625; Jan. 1.
Ceiling light. E. L. Silverman. Des. 63,701; Jan. 1.
Chain driving transmission, Silent. J. F. McCann. 1,479,080; Jan. 1.
Chair. L. H. Fennell. 1,479,594; Jan. 1.
Chair. A. H. Stringe. Des. 63,704; Jan. 1.
Chair and bag, Collapsible. M. Yamanishi. 1,479,769; Jan. 1.
Chair and plate, Railway. J. Hogan. 1,479,414; Jan. 1.
Chandelier. E. I. Silverman. Des. 63,700; Jan. 1.
Change-speed mechanism. J. Farley. 1,479,292; Jan. 1.
Check. V. Curtis. 1,479,534; Jan. 1.
Check writer. H. T. Schermerhorn. 1,479,257; Jan. 1.
Chiropractic table. O. H. Thorfinnsson. 1,479,522; Jan. 1.
Chuck. S. E. Horton. 1,479,604; Jan. 1.
Chuck. J. Schubnel. 1,479,325; Jan. 1.
Chuck-operating means, Collet. E. L. Pfunder. 1,479,314; Jan. 1.
Cigar and making the same. F. E. de la Mota. 1,479,458; Jan. 1.
Cigars and cigarettes, Lighter for. P. Pabian. 1,479,624; Jan. 1.
Cigarette holder and the like. L. Emerich. 1,479,590; Jan. 1.
Cinematograph, Automatic. V. Kriegerbeck and J. Bautz. 1,479,078; Jan. 1.
Circuit controller, Pressure-responsive. T. E. Barnum and C. T. Evans. 1,479,580; Jan. 1.
Circuits, Regulating means for direct-current. E. R. Stoekle. 1,479,561; Jan. 1.
Circuits, Transmission. K. S. Johnson. 1,479,505; Jan. 1.
Clamp: *See*—
Hose clamp. Pipe clamp.
Machine clamp.
Clamp. A. B. Mueller. 1,479,476; Jan. 1.
Clasp: *See*—
Dental clasp.
Cleaner: *See*—
Belt cleaner. Cotton cleaner.
Clipper, Electric. L. J. Wahl. 1,479,486; Jan. 1.
Clipper, Hair. S. P. Jones. 1,479,302; Jan. 1.
Clocks, Case for stem-winding and stem-setting automobile. W. E. Porter. 1,479,627; Jan. 1.
Clothes wringer. H. H. Bradford. 1,479,495; Jan. 1.
Clothes wringer. S. T. White. 1,479,487; Jan. 1.
Clothesline and the like, Reel for. V. G. Moss. 1,479,106; Jan. 1.
Clothespin. E. E. Vining. 1,479,761; Jan. 1.
Clutch. E. J. Quinn. 1,479,732; Jan. 1.
Clutch pedals, Latch for. C. C. Kint. 1,479,185; Jan. 1.
Clutches, brakes, and other devices, Adjustable articulated operating mechanism for. 1,479,366; Jan. 1.
Coal, Treating. W. E. Trent. 1,479,757; Jan. 1.
Coating machines, Yieldable guide for. I. F. Dittmar. 1,479,059; Jan. 1.
Coffee dripper. H. W. Tucker. 1,479,758; Jan. 1.
Coffee urns, Seal for vacuum. H. D. Kelly. 1,479,245; Jan. 1.
Coin controlling and registering mechanism, Automatic. G. W. Meyers. 1,479,105; Jan. 1.
Collar. J. M. van Heusen. 1,479,565; Jan. 1.
Collar, Folding. J. M. van Heusen. 1,479,566; Jan. 1.
Collar, Gauge-hole. S. H. Brooks. 1,479,053; Jan. 1.
Commutator motor. J. Slepian. 1,479,158; Jan. 1.
Commutator motor. J. Slepian. 1,479,160; Jan. 1.
Composite board and making same. L. Kirschbraun. 1,479,044; Jan. 1.
Compressor. N. H. Hiller. 1,479,603; Jan. 1.
Concentrator. A. H. Stebbins. 1,479,754; Jan. 1.
Concrete blocks and removing blocks therefrom, Form for. A. G. Hatch. 1,479,298; Jan. 1.
Condenser and making same, Electrical. G. W. Pickard. 1,479,315; Jan. 1.
Conduit and mounting. W. G. Kuehn. 1,479,470; Jan. 1.
Control mechanism. H. E. Abele. 1,479,440; Jan. 1.
Controllers, Safety device for. J. J. Way. 1,479,164; Jan. 1.
Cooling installation. G. Labolle. 1,479,551; Jan. 1.
Corer. W. B. Fenn. 1,479,061; Jan. 1.
Corn and bunion protector. P. Iroff. 1,479,665; Jan. 1.
Corn husker. J. A. Meyer. 1,479,396; Jan. 1.
Corner-staying machine. W. Fuhr. 1,479,088; Jan. 1.
Corset, Apparel. D. Kops. 1,479,076; Jan. 1.
Cotton breaker and separator. J. C. Garner. 1,479,587; Jan. 1.
Cotton cleaner. N. B. Henry. 1,479,503; Jan. 1.
Couch, Bed. J. F. Walton. 1,479,344–5; Jan. 1.
Counterborer, Adjustable. L. Zidakovits. 1,479,488; Jan. 1.
Counterboring or counterfacing tool. F. D. Winkley. 1,479,124; Jan. 1.
Counting machine. E. P. Donnellan. 1,479,459; Jan. 1.
Coupler yoke. W. A. Mitchell. 1,479,199; Jan. 1.
Coupling: *See*—
Car coupling. Pipe coupling.
Draft coupling. Safety coupling.
Flexible coupling. Shaft coupling.
Cover. H. A. Benedict and E. M. Moller. 1,479,213; Jan. 1.
Cuff. N. Levy. 1,479,191; Jan. 1.
Current device, Space. H. K. Sandell. 1,479,256; Jan. 1.
Current interrupter. C. E. Bennett. 1,479,276; Jan. 1.
Current motor. G. H. Wende. 1,479,438; Jan. 1.
Curtain window, Vehicle. A. Maake. 1,479,308; Jan. 1.
Cut-out, Fused. E. O. Schweitzer and A. Herz. 1,479,558; Jan. 1.
Cutting machine. A. K. Lytle. 1,479,104; Jan. 1.
Cylinder locks, Facing ring for. J. B. Freysinger. 1,479,657; Jan. 1.
Cylinder locks, Facing-ring structure for. J. B. Freysinger. 1,479,658–9; Jan. 1.
Dental clasp. R. V. Williams. 1,479,439; Jan. 1.
Dental floss holder. W. R. Browne. 1,479,364; Jan. 1.
Dental handpiece. J. R. Impey. 1,479,606; Jan. 1.
Design-cutting machine. W. R. Howard and W. H. Gregg. 1,478,998; Jan. 1.
Desk. A. H. Stringe. Des. 63,703; Jan. 1.
Desk and blackboard, Combined writing. H. O. Whyman. 1,479,766; Jan. 1.
Detanning apparatus. A. Laukhuff. 1,479,189; Jan. 1.
Detectoscope. R. E. Fosdick. 1,479,036; Jan. 1.
Detinning iron. J. S. Morgan. 1,479,731; Jan. 1.
Dewatering machine. H. B. Cleveland. 1,479,456; Jan. 1.
Diastatic material and making the same. H. C. Gore. 1,479,133; Jan. 1.
Die and mold, Combined. W. H. Morgan and J. F. Brunsell. 1,479,510; Jan. 1.
Digger: *See*—
Posthole digger.
Disk, Universal-joint. N. S. Noble. 1,479,477; Jan. 1.
Disk wheel. W. C. Leonard. 1,479,417; Jan. 1.
Dispensing apparatus. B. Johnsen. 1,479,666; Jan. 1.
Display device. F. A. Stevens. 1,479,632; Jan. 1.
Door catch and buffer, Combined. J. C. Ollard. 1,479,398; Jan. 1.
Door-control system. A. Gottschalk. 1,479,063; Jan. 1.
Door hinge. C. Hedman. 1,479,413; Jan. 1.
Door holder. W. Dixon. 1,479,029; Jan. 1.
Door-locking mechanism. C. C. Tomkinson. 1,479,264; Jan. 1.
Door operating and latch device. R. Olson. 1,479,390; Jan. 1.
Doors, Safety mechanism for. A. Gottschalk. 1,479,062; Jan. 1.
Doors, Shutter attachment for. L. M. O'Harrow. 1,479,312; Jan. 1.
Doorknob, Push-button. M. T. Hayer. 1,479,602; Jan. 1.
Draft coupling. J. Oberg. 1,479,202; Jan. 1.
Drawing and calibrating instrument. J. Garcia. 1,479,598; Jan. 1.
Drawing apparatus. R. P. Anstock. 1,479,691; Jan. 1.
Dress. E. E. Wolf. Des. 63,705; Jan. 1.
Dress form, Adjustable. A. D. Bailey. 1,479,443; Jan. 1.
Drill bit, Well. W. R. Lyle. 1,479,668; Jan. 1.
Drilling machine, Duplex-table rotary. V. W. Zilen. 1,479,165; Jan. 1.
Drip molding. J. L. Bancroft. 1,479,444; Jan. 1.
Drum and cymbal beater. R. C. Danly. 1,479,376; Jan. 1.
Drying machine. C. G. Pfeiffer. 1,479,626; Jan. 1.
Educational appliance. J. C. Markworth. 1,479,147; Jan. 1.
Educational device. A. de B. Barton. 1,479,423; Jan. 1.
Egg-candling device. C. N. Bruhn. 1,479,450; Jan. 1.
Egg separator. O. W. Moeslein. 1,479,730; Jan. 1.
Electric brake. J. B. Entz. 1,479,463; Jan. 1.
Electric circuits, Control of. T. T. Greenwood. 1,479,465; Jan. 1.
Electric connecter. C. I. Wille. 1,479,123; Jan. 1.
Electric-current network supplied with current from a generator running at variable speed, Installation for regulating an. J. Geisslinger. 1,479,500; Jan. 1.
Electric grill. F. W. Hewitt. 1,479,718; Jan. 1.
Electric heating apparatus. O. A. Johansen. 1,479,139; Jan. 1.
Electric-light bracket, Back plate for an. H. A. Framburg. Des. 63,679–81; Jan. 1.
Electric-light fixture, Body center for an. H. A. Framburg. Des. 63,678; Jan. 1.
Electric machine, Dynamo-. R. Myers. 1,479,152; Jan. 1.
Electric machine, Dynamo-. J. B. Waird. 1,479,636; Jan. 1.
Electric machine, Magneto-. G. M. Turner. 1,479,759; Jan. 1.
Electric motors, Short-circuiting device for. J. C. Steiner. 1,479,519; Jan. 1.
Electric resistance furnace. G. M. Little. 1,479,143; Jan. 1.
Electric separator. W. Crow and J. C. Schaffer. 1,479,055; Jan. 1.
Electric switch. E. G. K. Anderson. 1,479,577; Jan. 1.
Electric switch. J. J. Duck. 1,479,289; Jan. 1.
Electric switch. J. A. Terbeck. 1,479,520; Jan. 1.
Electric switches, Locking means for inclosed. J. Sachs. 1,479,011; Jan. 1.
Electric system, Dynamo-. J. Slepian. 1,479,159; Jan. 1.
Electrical connection means. J. Sachs. 1,479,012; Jan. 1.

Electrical contacts, Timer for. I. S. Dement. 1,479,498; Jan. 1.
Electrically-operated apparatus, Pressure-regulating means for. M. J. Quinn. 1,479,733; Jan. 1.
Electrode, Battery. H. D. Wilson. 1,479,527; Jan. 1.
Electron-discharge device. H. J. van der Bijl. 1,479,779; Jan. 1.
Elevator. E. A. Smith. 1,479,518; Jan. 1.
Elevator control. C. J. Anderson. 1,479,576; Jan. 1.
Elevator lock. J. F. Clancy. 1,479,027; Jan. 1.
Elevators, Multivoltage system of control for. G. W. Lautrup. 1,479,615; Jan. 1.
Emulsion and making same. L. Kirschbraun. 1,479,042; Jan. 1.
Engine: *See*—
Carding engine. Internal-combustion engine.
Fluid-pressure engine.
Engine-accessories unit. R. Chilton. 1,479,225; Jan. 1.
Engines, Cooling means for internal-combustion. H. N. Harper. 1,479,412; Jan. 1.
Engines, Cylinder head for internal-combustion. K. Feilner. 1,479,129; Jan. 1.
Engines, Diluting device for internal-combustion. W. B. Stockman. 1,479,560; Jan. 1.
Engines, Ignition system for internal-combustion. A. A. Kent and W. A. Evans. 1,479,388; Jan. 1.
Engines, Inlet manifold for internal-combustion. R. W. A. Brewer. 1,479,168; Jan. 1.
Envelope machine. C. P. Waterhouse and C. H. Lekberg. 1,479,637; Jan. 1.
Eraser-cleaning apparatus. G. W. Emmons. 1,479,654; Jan. 1.
Extractor: *See*—
Juice extractor.
Eyelens system. H. Erfle. 1,479,229; Jan. 1.
Fabrics, Label for wound or rolled. S. C. Lonergan. 1,479,616; Jan. 1.
Fan and heater, Combined electric. M. Beck. 1,479,494; Jan. 1.
Fan, Power-driven. J. Martinez. 1,479,619; Jan. 1.
Fastener. T. W. Foster. 1,479,130; Jan. 1.
Fastener. F. Rodgers. 1,479,742; Jan. 1.
Faucet. G. W. Cooke. 1,479,028; Jan. 1.
Faucet, Combination. J. T. Johnson. 1,479,544; Jan. 1.
Faucet, Combination. J. T. Johnson. 1,479,546; Jan. 1.
Feeding drills, Safety handwheel for. D. C. Klausmeyer. 1,479,186; Jan. 1.
Feeding mechanism. J. Diesk. 1,479,060; Jan. 1.
Felted solids of revolution, Making. A. O. Trostel. 1,479,266; Jan. 1.
Fencepost, Metal. P. E. Evans. 1,479,291; Jan. 1.
Fibers and a bale thereof, Preserving bagasse. T. B. Munroe. 1,479,419; Jan. 1.
Filling machine. B. P. Babcock. 1,479,021; Jan. 1.
Film-drying apparatus. G. W. and H. O. Carleton. 1,479,453; Jan. 1.
Finger ring. H. Rofeisen. Des. 63,699; Jan. 1.
Firearm and grenade discharger, Combined. S. Wiley. 1,479,122; Jan. 1.
Fire-box lining. J. C. Martin, jr. 1,479,393; Jan. 1.
Fish and other perishable articles of food, Apparatus for the curing and desiccating of. J. T. Bertrand. 1,479,050; Jan. 1.
Fish lure. C. Crumstone. 1,479,652; Jan. 1.
Flash light. F. Evans. 1,479,592; Jan. 1.
Flask pin. F. C. Arenz. 1,479,579; Jan. 1.
Flasks or tubes, Automatically-operating lever lock for ethyl-chloride. J. Thilb and M. Grubusch. 1,479,521; Jan. 1.
Flexible coupling. R. J. Stokes. 1,479,755; Jan. 1.
Floor waxer. T. M. Buck. 1,479,281; Jan. 1.
Fluid-administering device. J. Buckstein. 1,479,451; Jan. 1.
Fluid-pressure engine. L. P. Hynes and J. W. Conway. 1,479,386; Jan. 1.
Flume construction. W. J. Smith. 1,479,682; Jan. 1.
Flycatcher. C. J. Castera. 1,479,648; Jan. 1.
Fly swatter. H. Koontz. 1,479,046; Jan. 1.
Food choppers, Cutter cleaner for. L. C. Edwards. 1,479,175; Jan. 1.
Food choppers, Cutter cleaner for. L. C. Edwards. 1,479,380; Jan. 1.
Food product and making the same. N. Mininberg. 1,479,418; Jan. 1.
Form-roll trip mechanism. J. R. Blaine. 1,474,278; Jan. 1.
Fracture-setting apparatus and splint. S. Ferragamo. 1,479,535; Jan. 1.
Frame: *See*—
Glass-cutting frame. Velocipede frame.
Funnel, Collapsible. F. F. Fuller. 1,479,660; Jan. 1.
Furnace: *See*—
Electric resistance furnace. Induction furnace.
Furnace charging. R. B. Kernohan and M. W. Hall. 1,479,507; Jan. 1.
Furnaces or the like, Heating of melting. E. Weymann. 1,479,347; Jan. 1.
Furnaces, Regulation of. W. Dyrssen. 1,479,429; Jan. 1.
Galvanometer. W. Van Guilder. 1,479,524; Jan. 1.
Game. A. P. Draper. 1,479,460; Jan. 1.
Game. R. I. Smith. 1,479,681; Jan. 1.
Game accessory. R. H. Wiel. 1,479,350; Jan. 1.
Game apparatus. H. W. Steinmetz. 1,479,774; Jan. 1.
Game board. J. Gerberholtz. Des. 63,683; Jan. 1.
Garbage and scrap cans, Receptacle for. J. E. Toscan. 1,479,634; Jan. 1.
Garment, Apparel. W. Kops. 1,479,077; Jan. 1.
Garment supporter. B. H. White. 1,479,572; Jan. 1
Garter. G. B. Mellus. 1,479,150; Jan. 1.
Gas burner for heating devices of the tubular-wick type. J. S. Halstead and J. F. Mora. 1,479,410; Jan. 1.
Gas cut-off, Low-pressure automatic. J. T. F. Conti. 1,479,374; Jan. 1.
Gases, Method and apparatus for separating suspended particles from. E. R. Wolcott. 1,479,271; Jan. 1.
Gases, Removal of suspended material from. E. R. Wolcott. 1,479,270; Jan. 1.
Gasoline dispenser. M. C. Chism, W. T. Fletcher, C. E. Lord, and V. H. Futch. 1,479,649; Jan. 1.
Gear wheels, universal joints, and other power-transmitting mechanisms, Testing. J. G. P. Thomas. 1,479,338; Jan. 1.
Gearing. T. H. Mars. 1,479,194; Jan. 1.
Gearing, Bearing for. I. Short. 1,479,157; Jan. 1.
Gearing, Differential. W. J. Smith. 1,479,752; Jan. 1.
Generator: *See*—
Acetylene generator. Steam generator.
Glass-cutting frame. M. L., E. J., and A. L. Shaw. 1,479,748; Jan. 1.
Glass machine. G. A. Shields. 1,479,206; Jan. 1.
Glass, Means for stirring. C. A. Parsons. 1,479,511; Jan. 1.
Glass sheets, Machine for making. E. Gregory. 1,479,295; Jan. 1.
Glove. V. Vincin. 1,479,118; Jan. 1.
Glue and preparing same. W. R. Long. 1,479,472; Jan. 1.
Golf putting, Device for practice of. E. S. Phelps. 1,479,673; Jan. 1.
Golf tee, Disappearing. J. E. Zeller. 1,479,689; Jan. 1.
Grain, Machine for treating small. M. A. Wheeler. 1,479,764; Jan. 1.
Grate, Fire box. O. A. Hedengren. 1,479,501; Jan. 1.
Grinding, drilling and turning machine, Universal. J. W. Parker. 1,479,205; Jan. 1.
Grinding materials, Apparatus for. N. C. Johnson. 1,479,242; Jan. 1.
Grinding mill. D. Cole and J. G. Bergman. 1,479,172–3; Jan. 1.
Grip hanger, Friction-. E. L. Kamrath. 1,479,243; Jan. 1.
Guard. W. M. Petty. 1,479,736; Jan. 1.
Gun, Grease. C. Bramming. 1,479,219; Jan. 1.
Gun, Grease. R. C. Hoagland. 1,479,072; Jan. 1.
Gun, Machine. G. Hazelton. 1,479,138; Jan. 1.
Guns, Nozzle attachment for oil. B. H. Skelly. 1,479,110; Jan. 1.
Hand bag. N. Wendel. 1,479,763; Jan. 1.
Hand covering. G. F. S. Campbell. 1,479,771; Jan. 1.
Hand tool. R. D. Kohne. 1,479,045; Jan. 1.
Handle: *See*—
Portable handle. Vehicle door handle.
Hanger: *See*—
Grip hanger.
Hanger. F. R. Blake. 1,479,359; Jan. 1.
Harvester, Peanut. C. M. Hurst. 1,479,385; Jan. 1.
Hat and lining therefor, Adjustable head-size. J. A. McKnight. 1,479,670; Jan. 1.
Headlight dimmer. W. M. Curran. 1,479,057; Jan. 1.
Heat exchanger. J. Schneible. 1,479,088; Jan. 1.
Heater: *See*—
Car heater. Radiator heater.
Heater, Gas. J. F. Adams. Des. 63,675; Jan. 1.
Heel, Detachable. J. Craig. 1,479,773; Jan. 1.
Heel, Shoe. A. Powell. 1,479,421; Jan. 1.
Hinge. W. S. Witten. 1,479,352; Jan. 1.
Hinge construction. E. Flagg. 1,479,705; Jan. 1.
Hinge lock. L. Seger. 1,479,628; Jan. 1.
Hog holder. N. H. Johnson. 1,478,990; Jan. 1.
Hog-house door. C. O. Torgerson. 1,479,339; Jan. 1.
Hoisting apparatus, Controlling means for. C. Zetterlund. 1,479,574; Jan. 1.
Hook: *See*—
Trip hook.
Horseshoe. N. Lane. 1,479,719; Jan. 1.
Horseshoes, Die used in the manufacture of. F. E. Merklinzer and S. P. Limerick. 1,479,728; Jan. 1.
Hose clamp. O. N. Sandholm. 1,479,679; Jan. 1.
Hose holder. E. Coleman. 1,479,532; Jan. 1.
Ice, Apparatus for conveying and distributing. C. Field. 1,479,595; Jan. 1.
Igniter. A. Harris. 1,479,601; Jan. 1.
Ignition controller. J. H. Hunt. 1,479,181; Jan. 1.
Implement, Cleaning. W. H. Rudolph. 1,479,109; Jan. 1.
Index disks and the like, Machine for producing. A. F. T. Löfquist. 1,479,144; Jan. 1.
Indicating device. B. James. 1,479,098; Jan. 1.
Indicator: *See*—
Vehicle direction indicator.
Induction furnace. C. A. Brayton, jr. 1,479,582; Jan. 1.
Ink and making same, Gritless carboniferous. W. W. Mock. 1,479,047; Jan. 1.
Ink paste. F. B. Cooney. 1,479,533; Jan. 1.
Inks, Apparatus for making gritless carboniferous printing. W. W. Mock. 1,479,048; Jan. 1.
Insoles, Machine for making. G. H. Black. 1,479,277; Jan. 1.
Insoles, Making. G. H. Black. 1,479,405; Jan. 1.
Insulating armature windings, Machine for. W. E. Moore. 1,479,248; Jan. 1.

Insulator protector. J. E. McClain. 1,479,660; Jan. 1.
Insulator support or bracket. C. L. Peirce, jr. 1,479,155; Jan. 1.
Internal-combustion engine. G. W. Grayson. 1,479,710; Jan. 1.
Internal-combustion engine. F. M. Guy and F. R. Sunderman. 1,479,466; Jan. 1.
Internal-combustion engine. B. V. E. Nordberg. 1,479,085; Jan. 1.
Iron: *See*—
Detinning iron.
Iron. H. L. Mitchell and J. W. Slate. 1,479,729; Jan. 1.
Iron, Bending device for bar. A. Wagenbach. 1,479,762; Jan. 1.
Jack: *See*—
Windlass jack.
Jack. A. J. Slonecker. 1,479,090–1; Jan. 1.
Jar: *See*—
Reversing jar.
Jig-pan supporting and vibrating means. G. W. Wilmot. 1,479,573; Jan. 1.
Juice extractor. T. O. Alger. 1,479,125; Jan. 1.
Knife. G. A. Steinman. 1,479,015; Jan. 1.
Knitting machines, Yarn-feeding means for. K. Howie and W. O. Taylor. 1,479,543; Jan. 1.
Lamp. C. W. Sinkins. Des. 63,702; Jan. 1.
Lamp bracket. D. W. Wilson. 1,479,019; Jan. 1.
Lamp burner. P. Prytula and C. Korol. 1,479,674; Jan. 1.
Lamp, Electric-arc. L. R. Coffin and R. W. Mastick, jr. 1,479,370; Jan. 1.
Lamp fixture, Ring body for a. A. J. D. Ohm. Des. 63,695; Jan. 1.
Lamp holder. J. F. Radtke. 1,479,739; Jan. 1.
Latch, Door. R. B. Evans. 1,479,655; Jan. 1.
Latch, Door. R. F. Trimmer. 1,479,117; Jan. 1.
Latch for gates, etc. W. S. Witten. 1,479,268; Jan. 1.
Lathe, Wheel-turning. O. Salbach. 1,479,255; Jan. 1.
Lathing strip. F. M. Spayd. 1,479,207; Jan. 1.
Lawn sprinkler. B. Rees. 1,479,675; Jan. 1.
Lens, Projecting. W. H. Repp. 1,479,251; Jan. 1.
Lifter: *See*—
Valve lifter.
Light: *See*—
Flash light.
Light-projecting apparatus. P. R. Bassett. 1,479,640; Jan. 1.
Lighting, Decorative. H. J. Nenno. 1,479,420; Jan. 1.
Lighting fixture. I. I. Hance. 1,479,069; Jan. 1.
Lighting fixture. W. J. Meixner. Des. 63,688–91; Jan. 1.
Limb and harness therefor, Artificial. R. R. Harris. 1,479,297; Jan. 1.
Limbs, Apparatus for supporting injured. S. Ferragamo. 1,479,536; Jan. 1.
Line, Artificial. F. H. Best. 1,479,051; Jan. 1.
Liquid-fuel vaporizer. J. Good. 1,479,381; Jan. 1.
Lock: *See*—
Bolt and chain lock. Nut lock.
Elevator lock. Refrigerator-door lock.
Hinge lock. Valve lock.
Lock. A. Davis. 1,479,377; Jan. 1.
Lock mechanism. H. J. Lee. 1,479,305; Jan. 1.
Lock. A. Salata. 1,479,743–4; Jan. 1.
Lock. W. S. Witten. 1,479,269; Jan. 1.
Locks, Facing-ring structure for. E. I. Nottingham. 1,479,671; Jan. 1.
Locks, Facing-ring structure for cylinder. F. E. Thompson and C. Ledin. 1,479,684; Jan. 1.
Locks, Facing-ring structure for cylinder. M. C. Maxwell. 1,479,726; Jan. 1.
Locks, Striker plate for. L. Moskowitz and B. J. Cohon. 1,479,371; Jan. 1.
Locomotive exhaust nozzles, Twister for. F. E. Owen. 1,479,480; Jan. 1.
Locomotive provided with air-cooled condenser. F. Ljungström. 1,479,102; Jan. 1.
Locomotives, Grease plug for. E. W. Stevenson. 1,479,334; Jan. 1.
Loom, Automatic filling-replenishing. A. E. Rhoades. 1,479,483; Jan. 1.
Looms, Automatic weft-replenishing mechanism for. J. Lewtas and E. H. Blackhurst. 1,479,720; Jan. 1.
Looms, Lay rock-shaft bearing for. W. I. Stimpson. 1,479,633; Jan. 1.
Looms, Take-up and let-off mechanism for. A. B. Weisenborn. 1,479,571; Jan. 1.
Looms, Take-up mechanism for. J. Northrop. 1,479,154; Jan. 1.
Looms, Warp-cutting device for use in pile fabric. J. and G. Ashmore. 1,479,274; Jan. 1.
Lubricants, Grease cup for fluid. E. Piquerez. 1,479,436; Jan. 1.
Lubricating system for vertical shafts. F. W. Krogh. 1,479,304; Jan. 1.
Lubricator. J. R. Battle. 1,479,641; Jan. 1.
Lubricator. H. F. Bickel and B. J. Minnier. 1,479,530; Jan. 1.
Machine clamp. H. Cadwallader, jr. 1,479,127; Jan. 1.
Magnetic operating mechanism. H. I. Morris. 1,479,083; Jan. 1.
Mail box. A. M. Howell. 1,479,239; Jan. 1.
Mail canceling, sorting, and distributing machine. M. S. Runsvold and H. G. Sloane. 1,479,321; Jan. 1.
Manifold, Intake. H. L. Horning. 1,479,567; Jan. 1.
Marine motor. A. J. Callie and T. L. Smith. 1,479,025; Jan. 1.
Match books, Machine for making. M. Paridon. 1,479,481; Jan. 1.
Match machines, Block-feeding mechanism for. W. J. Elder and E. A. Allen. 1,479,462; Jan. 1.
Match strike. W. Chalmers. 1,479,427; Jan. 1.
Matches, Machine for assembling book. J. E. Zomnir. 1,479,489–90; Jan. 1.
Mattress or the like. F. W. Bauer. 1,479,493; Jan. 1.
Measuring device, Garment-. J. Vrana. 1,479,119; Jan. 1.
Measuring instrument, Electrical. W. G. Mylius. 1,479,153; Jan. 1.
Menus and bills of fare, Holder for. A. R. Ramig. 1,479,513; Jan. 1.
Merry-go-round. A. M. Prencel and E. Hoffmann. 1,479,737; Jan. 1.
Metal, Apparatus for and method of cutting. J. T. Cummings, B. H. Daulton, F. W. Taylor, and C. J. Robinson. 1,479,056; Jan. 1.
Metals from their ores, Recovery of. W. Hirschkind. 1,479,542; Jan. 1.
Meters, Shunt coil for electric. J. Choppinet. 1,479,698; Jan. 1.
Milk, Determining finishing point in condensing. F. E. Rice. 1,479,087; Jan. 1.
Milking machine. J. Taylor. 1,479,336; Jan. 1.
Milking-machine claw. J. J. Stampen. 1,479,014; Jan. 1.
Mill: *See*—
Grinding mill. Rolling mill.
Mill. H. L. Kent. 1,479,141; Jan. 1.
Mill tee and stuffing box, Combined. R. Fetterley. 1,479,656; Jan. 1.
Milling machine. I. T. Howard. 1,479,073; Jan. 1.
Mine-rail fastener and antispreader. C. E. Fowler. 1,479,131; Jan. 1.
Mold. E. G. Sicard. 1,479,629; Jan. 1.
Molding machine. J. W. Dearsley. 1,479,287; Jan. 1.
Money mailer. C. E. Brown. 1,479,280; Jan. 1.
Mop. H. M. Sturgis. 1,479,263; Jan. 1.
Moth protecting and destroying device. W. J. Duddleson. 1,479,704; Jan. 1.
Motor: *See*—
Commutator motor. Marine motor.
Current motor.
Motor-control system. L. J. Hibbard. 1,479,179; Jan. 1.
Motor controller. C. T. Evans. 1,479,033; Jan. 1.
Motor controller. R. G. Lockett. 1,479,001; Jan. 1.
Motors, Regulating system for induction. A. M. Dudley and C. W. Kincaid. 1,479,174; Jan. 1.
Motors, Speed-regulating system for electric. W. T. Holmes. 1,479,664; Jan. 1.
Muffler. E. P. Gray. 1,479,234; Jan. 1.
Multigraph plates, Means for mounting. L. Bauer. 1,479,446; Jan. 1.
Nonskid device. L. C. Cook. 1,479,372; Jan. 1.
Nut lock. J. A. Hatfield. 1,479,071; Jan. 1.
Nut lock. R. E. Kliavin. 1,479,667; Jan. 1.
Oils, Apparatus for cracking and distilling. J. G. Davidson. 1,479,776; Jan. 1.
Oils, balsams, resins, and extracts, Production of therapeutically-active constituents of. F. Boedecker. 1,479,695; Jan. 1.
Oils, Cracking. J. G. Davidson. 1,479,653; Jan. 1.
Oil burner. H. W. Brent. 1,479,406; Jan. 1.
Oil burner. L. E. Herod. 1,479,538; Jan. 1.
Ordnance, Means for use in the laying of. A. T. Dawson, G. E. Watt, and A. L. Perham. 1,479,587; Jan. 1.
Ores of low-volatile metals and melting such metals, Smelting. J. H. Gray. 1,479,662; Jan. 1.
Oxycodeinon and preparing same, Product of reduction of. M. Freund and E. Speyer. 1,479,293; Jan. 1.
Package, Wound. J. G. Bentley. 1,479,449; Jan. 1.
Packing. C. I. E. Mastin. 1,479,148; Jan. 1.
Padlock. F. E. Best. 1,479,214; Jan. 1.
Paint composition. T. W. Woodward. 1,479,768; Jan. 1.
Painting machine, Manual. E. Gottlieb. 1,479,233; Jan. 1.
Paper box. H. R. Warren. 1,479,018; Jan. 1.
Paper boxes, machine for making covered. H. B. Smith. 1,479,401; Jan. 1.
Paper, Machine for semitrimming and marking wall. E. G. Staunton. 1,479,161; Jan. 1.
Paper-making machine. W. S. Crandell. 1,479,128; Jan. 1.
Paper-making machine. J. D. Tompkins. 1,479,265; Jan. 1.
Paper vessel, Reenforced. E. W. Labombarde. 1,479,416; Jan. 1.
Papers and other materials, Machine for forming and setting fasteners for. C. P. Sibley. 1,479,680; Jan. 1.
Pasteurizer. A. L. Smith. 1,479,750; Jan. 1.
Patients, Device for supporting and rocking. J. S. Amussen. 1,479,166; Jan. 1.
Pen, Fountain. A. B. Hyde. 1,479,605; Jan. 1.
Phonograph cabinet. C. Hine. Des. 63,684–6; Jan. 1.
Photographic lens. W. Merté. 1,479,196–7; Jan. 1.
Photographic objective. W. Merté. 1,479,195; Jan. 1.
Photography, Apparatus for composite. A. Ames, jr. 1,479,212; Jan. 1.

Pianos, Position-rectifying device for the rolls of player. C. E. Cameron. 1,479,646; Jan. 1.
Picture-film reel, Moving-. M. Carr. 1,479,454; Jan. 1;
Picture films, Nonrewind reel for motion-. H. M. Stephenson. 1,479,331; Jan. 1.
Picture machines, Internal-wind reel mechanism for motion-. H. M. Stephenson. 1,479,332; Jan. 1.
Picture projectors and films, Cooling motion-. E. A. Sperry. 1,479,630; Jan. 1.
Picture projectors, Switch for motion-. H. J. Munster. 1,479,311; Jan. 1.
Pin: *See*—
Flask pin.
Pincushion. E. M. Richards. 1,479,252; Jan. 1.
Pin holder. G. R. Schroeder. 1,479,746; Jan. 1.
Pin puller. L. C. Bayles and H. D. Morrow. 1,479,357; Jan. 1.
Pins and the like, Chuck for taper. M. C. Kristek. 1,479,550; Jan. 1.
Pipe: *See*—
Spiral pipe.
Pipe and tile lock, Molded. E. L. Warner. 1,479,120; Jan. 1.
Pipe-bending machine. T. F. Oechsle. 1,479,204; Jan. 1.
Pipe clamp. R. S. Peirce. 1,479,316–7; Jan. 1.
Pipe coupling. J. Clark. 1,479,650; Jan. 1.
Pipe openings, etc., Combined mold and liner for. C. E. Johnson and W. W. Fields. 1,479,610; Jan. 1.
Pipe vise. J. Trickel. 1,479,341; Jan. 1.
Pipe wrench. J. A. Bizzell. 1,479,642; Jan. 1.
Piston packing. C. R. Short. 1,479,089; Jan. 1.
Piston rings in their seats, Tool for holding. V. A. Nelson. 1,479,434; Jan. 1.
Pitchfork. J. F. Chladek. 1,479,054; Jan. 1.
Planes, Safety device for. H. J. Chandler. 1,479,696; Jan. 1.
Plastic product. W. O. Snelling. 1,479,330; Jan. 1.
Plow attachment. J. E. Wagaman. 1,479,210; Jan. 1.
Pocketbooks and the like, Knob lock for. M. Blanshaft, R. Tow, and H. Wetstein. 1,479,360; Jan. 1.
Pocketbooks or hand bags, Making. C. L'Enfant. 1,479,591; Jan. 1.
Portable handle. C. Haarberg. 1,479,711; Jan. 1.
Post and pole protector. M. C. Townley. 1,479,523; Jan. 1.
Posthole digger. O. D. Monroe. 1,479,310; Jan. 1.
Powder-puff holder. V. Guinzburg. 1,479,134–7; Jan. 1.
Power and jack, Combination. G. A. Stafford. 1,479,113; Jan. 1.
Power presses, Roll-feed mechanism for. H. Osswald. 1,479,479; Jan. 1.
Power-transmission mechanism. F. V. Donald. 1,479,288; Jan. 1.
Power-transmission mechanism. B. E. Fernow, jr. 1,479,034; Jan. 1.
Power transmitter and operating mechanism therefor. D. F. Geiger. 1,478,997; Jan. 1.
Power-transmitting mechanism. C. W. Swanson. 1,479,114; Jan. 1.
Power unit. J. M. Lea and J. P. B. Fiske. 1,479,433; Jan. 1.
Propeller. E. Boering. 1,479,052; Jan. 1.
Propelling mechanism for conveying loads. P. J. O'Leary. 1,479,249; Jan. 1.
Puller: *See*—
Pin puller. Wheel puller.
Pulverizer. P. A. Hirsch. 1,479,540–1; Jan. 1.
Pump. G. M. Ask. 1,479,353; Jan. 1.
Pump. H. A. Johnson. 1,479,075; Jan. 1.
Pump, Centrifugal. W. Hebard. 1,479,777; Jan. 1.
Pump, Fluid-lift. H. H. Gracey. 1,479,064; Jan. 1.
Pump, Safety device for centrifugal. P. Ibach. 1,479,096; Jan. 1.
Pumps, Suction-rod guide-clamp for oil. T. R. McSpadden. 1,479,193; Jan. 1.
Pumping apparatus. I. C. Jenninga. 1,479,415; Jan. 1.
Queen-introducing device. J. Smith and E. R. Root. 1,479,751; Jan. 1.
Quilt. J. G. Bentley. 1,479,448; Jan. 1.
Radiator cap with mounting for temperature indicators. Instantaneously-acting. J. A. Ecton. 1,479,031; Jan. 1.
Radiator heater. A. W. Harper. 1,479,600; Jan. 1.
Radio receiving apparatus. O. Minton. 1,479,475; Jan. 1.
Railway-brake fulcrum. W. A. Hahn and E. D. Sherrill. 1,479,296; Jan. 1.
Railway or like sleeper and rail attachment thereto, Metal. L. Mick. 1,479,198; Jan. 1.
Railway tie. P. C. Ickes. 1,479,097; Jan. 1.
Railway tie. L. H. Spratt. 1,479,260; Jan. 1.
Railway switch. J. A. Veazey. 1,479,403; Jan. 1.
Railway-train-control system. A. V. T. Day. 1,479,286; Jan. 1.
Raincoat. A. R. Foisy. 1,479,707; Jan. 1.
Rat trap. J. C. Conrad. 1,479,283; Jan. 1.
Razor, Safety. A. Angst. 1,479,690; Jan. 1.
Razor strop. J. F. Dobbins. 1,479,030; Jan. 1.
Reamer. E. C. Schmelskopf. 1,479,484; Jan. 1.
Reamer, Expansible. A. Kutchera. 1,479,079; Jan. 1.
Rebound controller. F. H. Snyder. 1,479,259; Jan. 1.
Receptacle. H. Delman. 1,479,699; Jan. 1.
Receptacle, Hand-carried. E. T. Jones. 1,479,611; Jan. 1.
Receptacle, Metallic. G. F. Behringer. 1,479,358; Jan. 1.
Reel: *See*—
Picture-film reel.
Reflector, Elevator-signal. E. W. Marshall. 1,479,081; Jan. 1.
Reflector, Tinsel. B. E. Franke. 1,479,087; Jan. 1.
Refractory composition. J. L. Ohman. 1,479,107; Jan. 1.
Refrigerating chamber. F. König. 1,479,389; Jan. 1.
Refrigerator. W. Manteuffel. 1,479,727; Jan. 1.
Refrigerator-door lock. W. S. Stair. 1,479,559; Jan. 1.
Regenerative loop antenna and circuit, Multiple. V. K. Zworykin. 1,479,638; Jan. 1.
Relay and the like. A. Herz. 1,479,663; Jan. 1.
Releasing device. R. Chilton and A. H. King. 1,479,224; Jan. 1.
Resilient wheel. M. Harloe. 1,479,411; Jan. 1.
Return bends, Making. B. Broido. 1,479,279; Jan. 1.
Reversing jar, Combination. L. J. Gianella. 1,479,182; Jan. 1.
Rim, Clincher. W. H. Harwood. 1,479,095; Jan. 1.
Rim, Demountable. T. M. Bennett. 1,479,424; Jan. 1.
Ring-covering apparatus. J. L. Butler. 1,479,126; Jan. 1.
Rivet breaker or cutter. A. G. Rice. 1,479,320; Jan. 1.
Rivets, Apparatus for making. O. H. de Lapotterie. 1,479,228; Jan. 1.
Road tamper and strike-off. J. W. Heltzel. 1,479,299; Jan. 1.
Roads, Smoothing iron for asphalt. C. A. Foust. 1,479,597; Jan. 1.
Rod: *See*—
Tow rod.
Rolling mill, Metal-. F. Magney. 1,479,552; Jan. 1.
Roof covering. A. C. Fischer. 1,479,035; Jan. 1.
Roofing fastener, Roll-. A. A. Griswold. 1,479,067; Jan. 1.
Rubberized fabric, Manufacture of. J. Meade. 1,479,394; Jan. 1.
Rubber soles to boots and shoes, Attaching. D. A. Cutler. 1,479,497; Jan. 1.
Rubbing machine, Fabric-. W. H. Whitehead and T. W. Kenyon. 1,479,525; Jan. 1.
Saddle. F. Mesinger. 1,479,620; Jan. 1.
Safety coupling. P. W. Fleischer. 1,479,706; Jan. 1.
Safety device. M. Thiery. 1,479,115; Jan. 1.
Sanding device. E. Hirsch. 1,479,238; Jan. 1.
Saw. Groover. A. M. Remington. 1,479,514; Jan. 1.
Sawhorse, Collapsible. M. J. Topp. 1,479,200; Jan. 1.
Saw-setting device. H. Pisteman. 1,479,318; Jan. 1.
Scale. H. C. Berry. 1,479,581; Jan. 1.
Scissors case. O. J. Korhummel. 1,479,614; Jan. 1.
Scraper, Foot. F. E. Browne. 1,479,644; Jan. 1.
Scraper, Wheeled. S. A. Wilson. 1,479,687; Jan. 1.
Screw driver. H. F. Kellemen. 1,479,506; Jan. 1.
Separator: *See*—
Egg separator. Electric separator.
Sewing stand. J. P. Caspary. 1,479,170; Jan. 1.
Shaft coupling, Flexible. J. P. Carey. 1,479,583; Jan. 1.
Sharpener, Pencil. A. Dudas. 1,479,589; Jan. 1.
Sharpening device. G. B. Lindsay. 1,479,190; Jan. 1.
Shaving machine. S. P. Jones. 1,479,300–1; Jan. 1.
Sheet material, Process and apparatus for blanking articles from. C. B. Fuller, jr. 1,479,464; Jan. 1.
Shifting apparatus. J. J. Wolf. 1,479,767; Jan. 1.
Shingle machines, Spur roll for. L. H. Crawford. 1,479,585; Jan. 1.
Shock absorber, Air-cushion. B. Burns. 1,479,282; Jan. 1.
Shock absorber for vehicles. G. Broulhiet. 1,479,770; Jan. 1.
Shower bath, Portable. S. S. Campbell. 1,479,367; Jan. 1.
Shovel or dredge dipper, Steam. J. A. Trainor. 1,479,340; Jan. 1.
Sign, Illuminated. P. S. Van Bloem. 1,479,485; Jan. 1.
Signal: *See*—
Vehicle signal. Vehicle traffic signal.
Signal boxes, Attachment for. G. A. Jackson. 1,479,608; Jan. 1.
Signal device. A. G. Rembilt. 1,479,319; Jan. 1.
Signaling by high-frequency waves. E. O. Scriven. 1,479,516; Jan. 1.
Signaling, Multiplex. B. W. Kendall. 1,479,613; Jan. 1.
Sled. A. V. Skur and C. J. Englund. 1,479,749; Jan. 1.
Sled, Ski. P. J. Swanson. 1,479,162; Jan. 1.
Slicer, Fruit and vegetable. M. Kirnbauer. 1,479,469; Jan. 1.
Slicing machine. S. A. Thomas and F. G. Yawman. 1,479,756; Jan. 1.
Sliver-lap machine. J. F. Schenck, jr. 1,479,745; Jan. 1.
Soap dish. C. P. Blevens. 1,479,361; Jan. 1.
Soluble constituents of materials, Extraction of. J. and J. A. McMahon. 1,479,145; Jan. 1.
Spanner, Fixed-jaw. W. H. Cook. 1,479,772; Jan. 1.
Spark plug. J. Blomsier. 1,479,643; Jan. 1.
Spark plug. C., jr., and W. A. Adams. 1,479,575; Jan. 1.
Speed-control mechanism. C. O. Bech. 1,479,023; Jan. 1.
Speed-controlling device. F. D. Hallock, L. W. Chubb, and C. T. Guildford. 1,479,177; Jan. 1.
Spindle: *See*—
Axle spindle.
Spinning machines, Stop mechanism for. G. P. McLaughlin. 1,479,722; Jan. 1.

Spiral pipe. C. G. Naylor. 1,479,201; Jan. 1.
Splicing cables, Tool for. N. K. Bowman. 1,479,362; Jan. 1.
Spoon or similar article. W. F. Mowry. Des. 63,694; Jan. 1.
Spotlamp, Adjustable extension. E. G. K. Anderson. 1,479,678; Jan. 1.
Spray tank. E. M. Stephenson. 1,479,631; Jan. 1.
Sprinkler: *See*—
Lawn sprinkler.
Sprinkler and hose carrier, Combination. W. L. Beattie. 1,479,447; Jan. 1.
Sprocket wheel. F. V. Hetzel. 1,479,717; Jan. 1.
Squeezing appliance. A. P. Legendre. 1,479,101; Jan. 1.
Stand: *See*—
Sewing stand.
Stapling tool. G. W. Perkins. 1,479,512; Jan. 1.
Stationery, Making watermarked. W. M. Temple. 1,479,337; Jan. 1.
Steam generator. H. J. S. MacKay. 1,479,473; Jan. 1.
Steam trap. T. G. Rakestraw. 1,479,656; Jan. 1.
Steel, Production of manganese. R. D. Jordan and J. H. Hall. 1,479,387; Jan. 1.
Steel, Treating. H. C. Sicard. 1,479,327; Jan. 1.
Stepladder. O. H. Stegeman. 1,479,262; Jan. 1.
Sterilizer. J. A. Heidbrink. 1,479,236; Jan. 1.
Sterilizer, Electric fluid. B. W. Macy. 1,479,725; Jan. 1.
Stock lengths, Apparatus for shaping tubular. C. S. Tilden. 1,479,564; Jan. 1.
Surgical instrument. S. A. Van Osdel. 1,479,343; Jan. 1.
Suspender, Stocking. H. S. Jones. 1,479,099; Jan. 1.
Switch: *See*—
Electric switch. Railway switch.
Switch. C. Christensen. 1,479,226; Jan. 1.
Switch. A. L. Harvey. 1,479,178; Jan. 1.
Switch. E. N. Jacobi. 1,479,240; Jan. 1.
Switch-operating device. J. H. and J. C. Upton. 1,479,760; Jan. 1.
Synchronizers, Tempo signal for. H. Bockisch. 1,479,425; Jan. 1.
Table: *See*—
Chiropractic table.
Take-off mechanism, Automatic. J. Wegner. 1,479,346; Jan. 1.
Tank: *See*—
Spray tank.
Tap. A. H. MacIsaac. 1,479,724; Jan. 1.
Tape or film reversing reel, Automatic. H. M. Stephenson. 1,479,333; Jan. 1.
Target-throwing trap. R. S. Elliott. 1,479,290; Jan. 1.
Teeth, Post for artificial. F. Maeulen and G. L. Van Allen. 1,479,508; Jan. 1.
Telegraph repeater system. J. M. Fell. 1,479,430; Jan. 1.
Telegraph transmitter. F. W. Wright. 1,479,688; Jan. 1.
Telephone-exchange system. J. L. McQuarrie and C. L. Goodrum. 1,479,617; Jan. 1.
Telephone-exchange system, Machine-switching. L. Polinkowsky and W. H. Matthies. 1,479,554; Jan. 1.
Telephone head set. J. S. Timmons. 1,479,017; Jan. 1.
Telephone system. H. D. Currier. 1,479,586; Jan. 1.
Telephone system. E. F. Potter. 1,479,555; Jan. 1.
Telephone system, Automatic. W. T. Powell. 1,479,250; Jan. 1.
Telephone system, Metering. F. Aldendorff. 1,479,442; Jan. 1.
Tension device. J. R. Federline. 1,479,230; Jan. 1.
Textile fabric, Container for bolts of. J. McQuiston. 1,479,723; Jan. 1.
Textile machinery, Scavenging system for. J. J. McGowan. 1,479,392; Jan. 1.
Thread-grinding machine. E. R. Tozer. 1,479,116; Jan. 1.
Tie: *See*—
Railway tie. Track tie.
Tilling machine, Ground-. F. E. Larson. 1,479,188; Jan. 1.
Tire. C. Pharis. Des. 63,697; Jan. 1.
Tire casings, Holding means for. G. C. Pearson. 1,479,005; Jan. 1.
Tire-chain fastener. J. W. Hubble. 1,479,074; Jan. 1.
Tire, Cushion. J. R. Gammeter. Des. 63,682; Jan. 1.
Tire holder and receptacle, Combination. R. E. Kelm. 1,479,246; Jan. 1.
Tire, Pneumatic. V. A. Parker. Des. 63,696; Jan. 1.
Tire tread. H. D. Mitchell. Des. 63,692–3; Jan. 1.
Tire tread. R. W. Reinhart. Des. 63,698; Jan. 1.
Tires, Air-pressure controller for inflating pneumatic. M. J. McAneny. 1,479,307; Jan. 1.
Tires, Armor protector for pneumatic. S. J. Soltesz. 1,479,402; Jan. 1.
Tires, Valve pad for pneumatic. N. F. Rice. 1,479,010; Jan. 1.
Tires of vehicles, Inner tube for the. D. J. Hammer. 1,479,068; Jan. 1.
Tomato-coring machine. I. C. Morgan. 1,479,004; Jan. 1.
Tongs. C. T. Davis. 1,479,407; Jan. 1.
Tool. H. Reitz. 1,479,741; Jan. 1.
Tool holder, Cut-off-. G. A. Oddsen. 1,479,203; Jan. 1.
Toothbrush. H. W. Bell. 1,479,275; Jan. 1.
Tow rod. E. Jeschke. 1,479,182; Jan. 1.
Tower construction. H. O. Hill and W. Wilkinson. 1,479,180; Jan. 1.
Toy. C. Garniss. 1,479,708; Jan. 1.
Toy balloon. T. P. Tyrrell. 1,479,163; Jan. 1.
Toy vehicle. H. Ziemss, jr. 1,479,020; Jan. 1.
Track brace. J. S. Reid. 1,479,676; Jan. 1.
Track tie, Mine-. E. A. Booher. 1,479,531; Jan. 1.
Tractor clutch mechanism, Locking device for. A. W. and A. W. Johnson. 1,479,241; Jan. 1.
Tractors, Demountable attachment for. J. F. Bailey. 1,479,422; Jan. 1.
Tractor driving sprocket. E. E. Wickersham. 1,479,349; Jan. 1.
Tractors, Equalizing mechanism for. E. E. Wickersham. 1,479,348; Jan. 1.
Traffic guide. T. G. Cretney. 1,479,227; Jan. 1.
Trailer. J. Hippe. 1,479,237; Jan. 1.
Train-lighting system. J. A. Clarke, jr., and M. R. Moody. 1,479,171; Jan. 1.
Transmission. G. Domingues. 1,479,702; Jan. 1.
Transmission mechanism. A. Andrews. 1,479,167; Jan. 1.
Transporting loose material, Means and method for. K. Davis. 1,479,378; Jan. 1.
Trap: *See*—
Animal trap. Steam trap.
Rat trap. Target-throwing trap.
Trenching machine, Grab-bucket. T. F. Moore. 1,479,200; Jan. 1.
Trip hook. C. W. Anderson. 1,479,529; Jan. 1.
Tripod. E. E. Whiting. 1,479,765; Jan. 1.
Trolley pole. M. Parlow. 1,479,553; Jan. 1.
Truck and steering device, Pole. L. E. Waterman. 1,479,570; Jan. 1.
Truck, Dumping. C. K. Mattix. 1,479,309; Jan. 1.
Truck, Safety warehouse. D. W. Joyner. 1,479,612; Jan. 1.
Trunk trolleys, Making wardrobe-. F. J. Greene. 1,479,039; Jan. 1.
Tube device, Vacuum-. H. J. van der Bijl. 1,479,778; Jan. 1.
Tube filler. F. J. Stokes. 1,479,335; Jan. 1.
Tubes from fibrous materials and hydraulic cement substances, Apparatus for the manufacture of weldless. D. Mattei and A. Mazza. 1,479,149; Jan. 1.
Turbine. J. G. Summers. 1,479,093; Jan. 1.
Turbine blades, Machine for fitting. F. H. Kloidt. 1,479,549; Jan. 1.
Turntable, Display. F. P. Mansbendel. 1,479,618; Jan. 1.
Turret machines, Attachment for automatic. F. H. Ernser and R. B. Vessey. 1,479,094; Jan. 1.
Turret, Tool. J. C. Wilkie. 1,479,526; Jan. 1.
Type and the like, Machine for molding. A. L. N. Fleming. 1,479,596; Jan. 1.
Typewriting machine. J. H. Barr and E. E. Barney. 1,479,355; Jan. 1.
Typewriting machine. B. J. Dowd. 1,479,703; Jan. 1.
Typewriting machine. M. Garbelk. 1,479,231; Jan. 1.
Typewriting machine. E. B. Hess. 1,479,715–6; Jan. 1.
Typewriting machine. W. F. Helmond. 1,479,468; Jan. 1.
Typewriting machine. W. F. Helmond. 1,479,775; Jan. 1.
Typewriting machine. R. J. Lewis. 1,479,390; Jan. 1.
Typewriting machine. G. A. Selb. 1,479,326; Jan. 1.
Typewriting machine, Magnetic. W. F. Nichols. 1,479,621; Jan. 1.
Utensil, Cleansing. J. H. Thomas. 1,479,563; Jan. 1.
Valve and making same, Two-piece. W. H. Washburne. 1,479,121; Jan. 1.
Valve fixtures, Combination. J. T. Johnson. 1,479,545; Jan. 1.
Valve for rock drills, Spool. L. C. Bayles. 1,479,356; Jan. 1.
Valve grinder, Automatic. R. H. Hazeltine. 1,478,467; Jan. 1.
Valve lifter, Plate-. C. W. Metzgar. 1,479,395; Jan. 1.
Valve lock, Gasoline combination. F. J. Ludden. 1,479,192; Jan. 1.
Valve mechanism for used laundry water, Discharge. R. Roost. 1,479,254; Jan. 1.
Valves of internal-combustion engines, Rotator for. W. G. Buck. 1,479,169; Jan. 1.
Vanity boxes, Puff-holding device for. P. A. Reutter. 1,479,009; Jan. 1.
Vapor-treatment apparatus. T. Buck. 1,479,365; Jan. 1.
Vegetable cutter and slicer. J. S. Chounis. 1,479,369; Jan. 1.
Vehicle body. J. A. Simons. 1,479,258; Jan. 1.
Vehicle direction indicator. W. Wilson. 1,479,528; Jan. 1.
Vehicle door handle. W. A. Carmichael. 1,479,026; Jan. 1.
Vehicle, Dumping. E. Klifouss. 1,479,548; Jan. 1.
Vehicle, Endless-track. L. K. Davis. 1,479,408; Jan. 1.
Vehicle, Motor. J. M. Lansden. 1,479,187; Jan. 1.
Vehicle parking limits, Device for marking. E. G. Clements. 1,479,651; Jan. 1.
Vehicle signal. F. Diaz. 1,479,588; Jan. 1.
Vehicle steering mechanism, Tension device for. E. A. Commiskey. 1,479,457; Jan. 1.
Vehicle tops, Side curtain for. L. H. Sammons. 1,479,400; Jan. 1.
Vehicle traffic signal. E. Ward. 1,479,685; Jan. 1.
Vehicle wheels, Emergency tire for. J. Slomer. 1,479,111; Jan. 1.
Vehicles, Accelerator for motor. G. Ballhe. 1,479,492; Jan. 1.

Vehicles, Apparatus for cleaning and filling the transmissions and differentials of motor. C. H. Teets. 1,479,016; Jan. 1.
Vehicles, Control mechanism for operating. D. F. Geiger. 1,478,996; Jan. 1.
Vehicles, Spring support for. H. O. Olson. 1,479,478; Jan. 1.
Vehicles, Traffic signal for. A. J. Coon. 1,479,428; Jan. 1.
Velocipede frame. C. G. Pullin. 1,479,738; Jan. 1.
Vise. W. F. Anderson. 1,479,441; Jan. 1.
Wagon, Dump. A. B. McKinley and A. Hurley. 1,479,247; Jan. 1.
Wall and block for forming the same. H. C. Carroll. 1,479,647; Jan. 1.
Wall construction, Composite brick and tile. W. G. Demarest. 1,479,379; Jan. 1.
Wall openings, Safety closure for. W. F. Canavan. 1,479,452; Jan. 1.
Washbench, Folding. A. C. Hines. 1,479,539; Jan. 1.
Washboard. N. D. Lenner. 1,479,471; Jan. 1.
Washers, Apparatus for loading heel molds with. G. R. Prescott. 1,479,156; Jan. 1.
Washing apparatus. C. C. Gates. 1,479,661; Jan. 1.
Washing machine. J. S. Brady. 1,479,218; Jan. 1.
Washing surfaces, Device for. H. E. Young. 1,479,272; Jan. 1.
Watch guard, Safety-pocket wrist-. M. A. Brown. 1,479,363; Jan. 1.
Waterproof and moistureproof sheet and making same. L. Kirschbraun. 1,479,043; Jan. 1.
Weighting devices, Lever screw for top-roll-. L. T. Houghton. 1,479,041; Jan. 1.
Well equipment, Oil-. R. D. Thompson and J. Penrod. 1,479,208; Jan. 1.
Wheel: *See*—
Car wheel.
Disk wheel.
Felly wheel.
Resilient wheel.
Sprocket wheel.
Wheel. H. B. Gillette. 1,479,232; Jan. 1.
Wheel. R. R. Griffith. 1,479,066; Jan. 1.
Wheel. A. O. Hubbard. 1,479,504; Jan. 1.
Wheel. S. I. Prescott and F. J. Rummler. 1,479,482; Jan. 1.
Wheel puller. F. G. Wacker. 1,479,568; Jan. 1.
Wheel rim. H. C. Hanna. 1,479,713; Jan. 1.
Wheel spoke, Emergency. O. Bleado. 1,479,694; Jan. 1.
Wheelbarrow, Combination. G. B. Carroll. 1,479,223; Jan. 1.
Windlass jack, Portable. L. N. Null. 1,479,672; Jan. 1.
Windmill. O. Bott. 1,479,216; Jan. 1.
Windshield, Clear-vision. W. de F. Crowell. 1,479,375; Jan. 1.
Window, Swinging. H. T. Atkinson. 1,479,354; Jan. 1.
Windows and doors, Fastening device for swinging. A. B. Pedersen. 1,479,007; Jan. 1.
Wire, Coiled tie. A. J. Gerrard and P. Wright. 1,479,431; Jan. 1.
Wire, Stretcher for woven. A. J. Van Ackeren. 1,479,635; Jan. 1.
Wireless receiving system. R. E. Marbury. 1,479,146; Jan. 1.
Woodworking machine. M. F. Daly. 1,479,058; Jan. 1.
Wrapping machine. G. T. Greer. 1,479,065; Jan. 1.
Wrench: *See*—
Pipe wrench.
Wringer: *See*—
Clothes wringer.
Wringer. G. E. Andre. 1,479,491; Jan. 1.
Yarn guide and cleaner. L. T. Houghton. 1,479,040; Jan. 1.
Yeast. G. Heffele. 1,479,502; Jan. 1.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 1, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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2— 9: 1,479,118
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171: 1,479,779
180— 8: 1,479,249
16: 1,479,422
17: 1,479,092
33: 1,479,094
35: 1,479,733
68: 1,479,734
73: 1,479,187
77: 1,478,996

130—	82: 1,479,062	203—	44: 1,479,240	220—	86: 1,479,031	240—	62: 1,479,435	258—	1: 1,479,221	292—	166: 1,479,602
183—	7: 1,479,271		48: 1,479,226		1,479,622		73: 1,479,359		1,479,222		198: 1,479,550
	114: 1,479,270		52: 1,479,311	221—	60: 1,479,101		73: 1,479,099	259—	46: 1,479,189		205: 1,479,117
184—	38: 1,479,334		68: 1,479,577		79: 1,479,219		103: 1,479,037		102: 1,479,584		228: 1,479,002
	45: 1,479,641		1,479,580		102: 1,479,016	241—	1: 1,479,572	260—	25: 1,479,293		230: 1,479,742
	58: 1,479,530		120: 1,479,558	223—	18: 1,479,443		6: 1,479,150	263—	1: 1,479,347		248: 1,479,213
	79: 1,479,436		156: 1,479,289		57: 1,479,170	242—	71: 1,479,253		5: 1,479,600		264: 1,479,709
187—	28: 1,479,574		163: 1,479,520		60: 1,479,252		74: 1,479,454	265—	47: 1,479,581		338: 1,479,029
	29: 1,479,576	204—	29: 1,479,527		1,479,746		102: 1,479,105	266—	43: 1,479,507		340: 1,479,371
	31: 1,479,027		64: 1,479,143	224—	4: 1,479,096		128: 1,479,448	267—	10: 1,479,259		1,479,598
188—	90: 1,479,023		1,479,387		1,479,363		141: 1,479,220		60: 1,479,478	348:	1,479,026
	202: 1,479,701		1,479,429		29: 1,479,246		161: 1,479,440		65: 1,479,282	293—	37: 1,479,115
	203: 1,479,700		1,479,582	225—	21: 1,479,666	244—	1: 1,479,013		66: 1,479,562	294—	15: 1,479,711
	213: 1,479,235		1,479,662		26: 1,479,103		3: 1,479,163	268—	9: 1,479,399		49: 1,479,054
	232: 1,479,296	205—	30: 1,479,590	226—	4: 1,479,459		21: 1,479,666		18: 1,479,452		71: 1,479,384
	249: 1,479,702		44: 1,479,018		7: 1,479,460	246—	49: 1,479,286	271—	83: 1,479,346		83: 1,479,530
189—	21: 1,479,180	207—	9: 1,479,437		38: 1,479,660		330: 1,479,780	277—	18: 1,479,545		86: 1,479,132
190—	8: 1,479,769	208—	15: 1,479,620		96: 1,479,021		448: 1,479,403		66: 1,479,254		115: 1,479,407
191—	64: 1,479,553		165: 1,479,020		107: 1,479,335	248—	8: 1,479,019	278—	21: 1,479,202	295—	20: 1,479,373
192—	43: 1,479,479	211—	7: 1,479,721	228—	23: 1,479,628		38: 1,479,532	279—	57: 1,479,560		42: 1,479,322
	84: 1,479,034		20: 1,479,618		58: 1,479,252		42: 1,479,739		59: 1,479,314	296—	23: 1,479,258
	111: 1,479,366		28: 1,479,672	229—	6: 1,479,328		43: 1,479,765		87: 1,479,045		28: 1,479,426
193—	84: 1,479,200		84: 1,479,200		49: 1,479,416	250—	20: 1,479,146		90: 1,479,506		84: 1,479,476
195—	9: 1,479,323		73: 1,479,280		57: 1,479,723		1,479,475		118: 1,479,604		91: 1,479,375
	139: 1,479,732		70: 1,479,199		127: 1,479,100		27: 1,479,256	280—	20: 1,479,749		99: 1,479,400
194—	87: 1,479,649		127: 1,479,100	230—	32: 1,479,603		1,479,778		23: 1,479,162		137: 1,479,444
195—	32: 1,479,133		179: 1,479,391		33: 1,479,619		41: 1,479,315		33.1: 1,479,215		145: 1,479,308
196—	25: 1,479,653	214—	1: 1,479,767	232—	28: 1,479,239	251—	6: 1,479,192		33.14: 1,479,182	298—	9: 1,479,309
	1,479,776		65: 1,479,612	233—	4: 1,479,048		40: 1,479,724		33.55: 1,479,237		19: 1,479,247
197—	6.4: 1,479,257		95: 1,479,593		7: 1,479,456		105: 1,479,544		52: 1,479,223		21: 1,479,548
	13: 1,479,621		145: 1,479,340	235—	32: 1,479,105		1,479,546		61: 1,479,351	299—	53: 1,479,447
	30: 1,479,715	215—	3: 1,479,496		59: 1,479,455		119: 1,479,395		94: 1,479,457		67: 1,479,675
	69: 1,479,468		63: 1,479,521	236—	48: 1,479,083		137: 1,479,028		103: 1,479,570	301—	5: 1,479,232
	73: 1,479,703	217—	29: 1,479,244	238—	10: 1,479,131	253—	81: 1,479,063		169: 1,479,644		35: 1,479,424
	1,479,716		57: 1,479,699		48: 1,479,260	254—	67: 1,479,635	283—	9: 1,479,534		63: 1,479,417
	88: 1,479,390	219—	19: 1,479,718		61: 1,479,531		98: 1,479,090	284—	1: 1,479,110		1,479,452
	109: 1,479,231		21: 1,479,567		117: 1,479,007		1,479,091	285—	22: 1,479,656		1,479,504
	135: 1,479,775		25: 1,479,729		218: 1,479,414		164: 1,479,672	287—	103: 1,479,583		66: 1,479,086
	176: 1,479,326		37: 1,479,139		290: 1,479,198	255—	22: 1,479,310	290—	1: 1,479,152		67: 1,479,287
	177: 1,479,355		38: 1,479,725		336: 1,479,676		23: 1,479,165		35: 1,479,432		104: 1,479,094
198—	181: 1,479,378		42: 1,479,494	240—	7: 1,479,578		57: 1,479,291	291—	3: 1,479,238	302—	130: 1,479,273
	230: 1,479,176	220—	32: 1,479,053		8.5: 1,479,592		61: 1,479,668	292—	70: 1,479,360	304—	14: 1,479,595
199—	94: 1,479,589		36: 1,479,634		41: 1,479,640	257—	111: 1,479,088		80: 1,479,007	305—	5: 1,479,209
200—	26: 1,479,498		55: 1,479,358		48.4: 1,479,057		207: 1,479,022		108: 1,479,655		9: 1,479,348
	42: 1,479,011										1,479,408

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott, Samuel B., Columbus, Miss. Preparation for treatment of pyorrhea. 178,387; Jan. 8; Serial No. 182,491; published Oct. 23, 1923.

Advance Abrasive Co. (See Kann, William L.)

Albany Perforated Wrapping Paper Co., Albany, N. Y. Toilet paper and paper towels. 178,283; Jan. 8; Serial No. 184,889; published Oct. 23, 1923.

Alberger Pump and Condenser Company, New York, N. Y. Condensers, pumps, steam turbines, etc. 178,464; Jan. 8.

Alloway Brothers, Nashville, Tenn. Butter, live and dressed poultry, and eggs. 178,339; Jan. 8; Serial No. 181,100; published Oct. 16, 1923.

Aluminum Company of America, Pittsburgh and New Kensington, Pa. Aluminum and aluminum-base alloys. 178,329; Jan. 8; Serial No. 180,679; published Oct. 30, 1923.

Aluminum Sales Co. Inc., New York, N. Y. Kitchen utensils. 178,216; Jan. 8; Serial No. 142,379; published Oct. 23, 1923.

American Bakery Company, St. Louis, Mo. Bread. 178,110; Jan. 8; Serial No. 175,179; published Sept. 11, 1923.

American Crayon Company, The, Sandusky, Ohio. Water colors. 178,138; Jan. 8; Serial No. 184,488; published Oct. 23, 1923.

American Institute of Rational Therapeutics, Chicago, Ill. Electrical outfits for electronic diagnosis and electrotherapeutics. 178,309–10; Jan. 8; Serial Nos. 182,955–6; published Oct. 30, 1923.

American Institute of Rational Therapeutics, Chicago, Ill. Electrical outfits for electronic diagnosis. 178,312; Jan. 8; Serial No. 182,054; published Oct. 30, 1923.

American Liquid Meter Company, Portland, Oreg. Liquid meters and parts thereof. 178,427; Jan. 8.

American Magnesium Corporation, Niagara Falls, N. Y. Magnesium and magnesium alloys. 178,382; Jan. 8; Serial No. 182,492; published Oct. 23, 1923.

American Manufacturing Company. (See Markt & Hammacher Company.)

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Sanitary napkins. 178,247; Jan. 8; Serial No. 183,954; published Oct. 23, 1923.

American Safety Razor Corporation, Brooklyn, N. Y. Penknives, penknives with detachable blades, razors, etc. 178,346; Jan. 8; Serial No. 181,666; published Oct. 30, 1923.

Amertex Mills, Inc., The, Bridgeport, Conn., and New York, N. Y. Pile fabrics in the piece. 178,439; Jan. 8.

Anaconda Copper Mining Company, New York, N. Y. Metals and alloys and ingots, castings, etc. 178,353; Jan. 8; Serial No. 165,112; published Oct. 23, 1923.

Animated Miniature Theatre Corp., The, New York, N. Y. Miniature theaters in the nature of an advertising device. 178,262; Jan. 8; Serial No. 175,830; published Oct. 23, 1923.

Aridor Company, The, Chicago, Ill. Air conditioning and cooling devices for use in show cases, etc. 178,412; Jan. 8; Serial No. 179,511; published Oct. 16, 1923.

Armored Trunk Mfg. Co. (See Knell, Louis.)

Asp Faysol Company, New York, N. Y. Mud salve and mud pack and mud-pack beautifier. 178,396; Jan. 8; Serial No. 182,372; published Oct. 16, 1923.

Associated Fruit Co., Los Angeles, Calif. Fresh grapes, citrous fruits, and cantaloupes. 178,319; Jan. 8; Serial No. 182,645; published Oct. 16, 1923.

Associated Oil Company, San Francisco, Calif. Kerosene. 178,109; Jan. 8; Serial No. 177,064; published Oct. 23, 1923.

Attica Mills, The, Attica, Kans. Wheat flour. 178,100; Jan. 8; Serial No. 156,133; published July 31, 1923.

Automatic Bearing Machine Co., San Jose, Calif. Cylinder heads. 178,244; Jan. 8; Serial No. 183,686; published Oct. 30, 1923.

Baker, Hamilton & Pacific Company, San Francisco, Calif. Belt dressing, neat's-foot oil, and razor strops. 178,153; Jan. 8; Serial No. 184,955; published Oct. 16, 1923.

Baker, Joseph, Sons and Perkins Limited, London, England. Mixing and coating machines for plastic or semiliquid substances. 178,342; Jan. 8; Serial No. 181,332; published Oct. 30, 1923.

Ballantine, P., & Sons, Newark, N. J. Malt sirup for beverage purposes. 178,223; Jan. 8; Serial No. 152,881; published Oct. 30, 1923.

Bandman, Albert, doing business as Metsan Dental Mfg. Co., New York, N. Y. Hypodermic needles. 178,150; Jan. 8; Serial No. 184,890; published Oct. 23, 1923.

Bantam Products Ltd., The, Farnley, Leeds, England. Tea and coffee. 178,410; Jan. 8; Serial No. 179,580; published Oct. 16, 1923.

Barber Asphalt Paving Company, The, Philadelphia, Pa. Ready-mixed metal roof paint, industrial paint, etc. 178,108; Jan. 8; Serial No. 168,349; published Oct. 23, 1923.

Barker, C. B., & Co. Ltd., New York, N. Y. Sewing-machine needles and machine knitting needles. 178,114; Jan. 8; Serial No. 177,949; published Oct. 16, 1923.

Battenfeld Grease & Oil Company, The, Kansas City, Mo. Lubricating grease. 178,279; Jan. 8; Serial No. 184,929; published Oct. 30, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Special carbohydrate antitoxic food. 178,414; Jan. 8; Serial No. 180,463; published Oct. 16, 1923.

Beaumont, R. H., Company, Philadelphia, Pa. Screens for granular materials. 178,188; Jan. 8; Serial No. 181,929; published Oct. 16, 1923.

Beecham, Emma, doing business as Beechams Laboratory, Oscawana-on-Hudson, N. Y. Perfume, toilet waters, face powders, etc. 178,201; Jan. 8; Serial No. 170,362; published Oct. 23, 1923.

Bell & Zoller Coal and Mining Company, Chicago, Ill. Coal and coke. 178,450; Jan. 8.

Bender, Edwin S., doing business as The Credo Check Company, Orange Cove, Calif. Checks. 178,066; Jan. 8; Serial No. 184,707; published Oct. 16, 1923.

Benzo-Gas Motor Fuel Company, Kansas City, Mo. Lubricant for machinery. 178,104; Jan. 8; Serial No. 167,512; published Oct. 23, 1923.

Berwind Fuel Company, Minneapolis, Minn. Coal. 178,161; Jan. 8; Serial No. 183,622; published Oct. 30, 1923.

Billard, Pierre, Paris, France. Medicinal vaporizing device. 178,103; Jan. 8; Serial No. 167,594; published Oct. 23, 1923.

Blue Bird Food Company. (See Sanborn, Margaret R.)

Blue, Isabella, Savannah, Ga. Toilet preparations. 178,434; Jan. 8.

Blue Ribbon Products Co. (See Childs, John D.)

Boice, William B. and John E., Toledo, Ohio. Saws, drills, etc. 178,457; Jan. 8.

Boncilla Laboratories, Incorporated. (See Crown Chemical Company.)

Bonney-Floyd Co., The, Marion Road, Columbus, Ohio. Grinding balls. 178,355; Jan. 8; Serial No. 164,221; published Oct. 30, 1923.

Bottomley, Margaret A., Fall River, Mass. Candy, ice cream, nut meats, etc. 178,195; Jan. 8; Serial No. 159,995; published Oct. 16, 1923.

Brandon Mills Inc., New York, N. Y. Ornamental fabrics of vulcanized sheet gum rubber. 178,128; Jan. 8; Serial No. 182,200; published Oct. 30, 1923.

Briggs, John J., Indianapolis, Ind. Building stone, limestone, lime, cement, etc. 178,261; Jan. 8; Serial No. 176,665; published Oct. 23, 1923.

Brighton Canning Company, Brighton, Iowa. Catchup and canned vegetables. 178,332; Jan. 8; Serial No. 180,836; published Oct. 16, 1923.

British Cellulose and Chemical Manufacturing Company Limited, London, England. Threads made of cellulose derivatives. 178,422; Jan. 8; Serial No. 165,002; published Sept. 18, 1923.

Bullock, T. H., Manufacturing Co. (See Foote, William H.)

Bunting Iron Works, San Francisco, Calif. Oil burners and oil burning furnaces. 178,443; Jan. 8.

Butchart, Cuthbert S., Company, Incorporated, Rye, N. Y. Golf clubs. 178,199; Jan. 8; Serial No. 168,453; published Oct. 23, 1923.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Canned tomatoes, corn, peas, and beans. 178,207; Jan. 8; Serial No. 172,370; published Oct. 23, 1923.

Cantol Wax Company, Bloomington, Ind. Wax polishes. 178,148; Jan. 8; Serial No. 184,493; published Oct. 23, 1923.

Carson Pirie Scott & Co., Chicago, Ill. Mercerized cotton batiste. 178,068; Jan. 8; Serial No. 184,495; published Oct. 16, 1923.

Central Scientific Company, Chicago, Ill. Pumps, etc. 178,274; Jan. 8; Serial No. 185,445; published Oct. 30, 1923.

Central Scientific Company, Chicago, Ill. Vacuum pumps. 178,275; Jan. 8; Serial No. 185,448; published Oct. 30, 1923.

Champion Pneumatic Machinery Company, Chicago, Ill. Air compressors and air and water stands. 178,235; Jan. 8; Serial No. 183,553; published Oct. 30, 1923.

Chandler Motor Car Company, The, Cleveland, Ohio. Internal-combustion engines. 178,203; Jan. 8; Serial No. 172,145; published Oct. 30, 1923.

Chase Companies, Inc., The, Waterbury, Conn. Brass pipe. 178,192; Jan. 8; Serial No. 183,250; published Oct. 16, 1923.

Chemical Products Company. (See Smith, Raymond U.)

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics of silk. 178,055; Jan. 8; Serial No. 185,202; published Oct. 16, 1923.

Chertoff, Noah, New York, N. Y. Silk thread. 178,092; Jan. 8; Serial No. 184,234; published Oct. 16, 1923.
Childs, John D., doing business as Blue Ribbon Products Co., Reading, Pa. Malt sirup for beverages. 178,189; Jan. 8; Serial No. 180,419; published Oct. 23, 1923.
Citrus Products Company, Chicago, Ill. Maltless beverage flavors and beverages made therefrom. 178,252; Jan. 8; Serial No. 184,121; published Oct. 30, 1923.
Club Aluminum Company, The, Cleveland, Ohio. Aluminum saucepans, roasters, casseroles, waffle molds, etc. 178,133; Jan. 8; Serial No. 182,087; published Oct. 16, 1923.
Cohen, Leon, doing business as United Extract Company, Philadelphia, Pa. Beverages with fruit flavors, ginger ale, cream soda, and root beer. 178,281; Jan. 8; Serial No. 184,650; published Oct. 30, 1923.
Coles, Elizabeth M. N., New York, N. Y. Liquid and soluble combination of ingredients recommended as a hair grower. 178,296; Jan. 8; Serial No. 182,400; published Oct. 30, 1923.
Columbus Company, The, Columbus, Ohio. Gauges. 178,273; Jan. 8; Serial No. 177,897; published Oct. 30, 1923.
Combs, Guy A., doing business as Standard Paint Manufacturing Co., Minneapolis, Minn. Paints, varnishes, paint enamels, stains. 178,176; Jan. 8; Serial No. 183,554; published Oct. 23, 1923.
Commonwealth Color and Chemical Co., Brooklyn, N. Y. Soaps, cleaning and scouring powders. 178,368; Jan. 8; Serial No. 179,358; published July 24, 1923.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Adhesive gums and sizings. 178,370; Jan. 8; Serial No. 179,361; published Oct. 2, 1923.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Paint colors, sizings, etc. 178,371; Jan. 8; Serial No. 179,360; published Oct. 16, 1923.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Fuel, lighting, heating, and lubricating oils and greases, etc. 178,372; Jan. 8; Serial No. 179,359; published Oct. 2, 1923.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Bleaching blue, auxiliary dyeing agents, chemical specialties, etc. 178,373; Jan. 8; Serial No. 179,362; published Sept. 18, 1923.
Cone Company of America, Long Island City, N. Y. Ice-cream cones. 178,193; Jan. 8; Serial No. 158,819; published Aug. 14, 1923.
Cook & Swan Company Inc., New York, N. Y. Animal, fish, and vegetable oil. 178,115; Jan. 8; Serial No. 179,658; published Oct. 23, 1923.
Corse, G. H., jr., doing business as George H. Corse, Jr. & Co., San Francisco, Calif. Canned fruits. 178,284; Jan. 8; Serial No. 184,436; published Oct. 23, 1923.
Corticelli Silk Company, The, Florence, Northampton, Mass. Silk fabrics. 178,072; Jan. 8; Serial No. 184,388; published Oct. 16, 1923.
Corticelli Silk Company, The, Florence, Northampton, Mass. Silk fabrics. 178,073; Jan. 8; Serial No. 184,391; published Oct. 16, 1923.
Corticelli Silk Co., Florence, Northampton, Mass. Silk fabrics. 178,141; Jan. 8; Serial No. 184,389; published Oct. 16, 1923.
County Golf Company, The. (See Hill, Wilfrid.)
Cox, Abram, Stove Company, Philadelphia, Pa. Gas and coal stoves, ranges, and furnaces. 178,135; Jan. 8; Serial No. 181,733; published Oct. 23, 1923.
Cramp, William & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Valves, nozzles, etc. 178,437; Jan. 8.
Crampton, John, & Co., Ltd., Manchester, England. Canned fish, preserved fruits, and vegetables. 178,301; Jan. 8; Serial No. 183,255; published Oct. 23, 1923.
Credo Check Company, The. (See Bender, Edwin S.)
Criterion Laboratories, The. (See Phelps, Walter H.)
Crofts & Reed Co., Chicago, Ill. Toilet soap. 178,363; Jan. 8; Serial No. 160,115; published June 6, 1922.
Crown Chemical Company, The (now by change of name Boncilla Laboratories, Incorporated), Indianapolis, Ind. Facial-pack cold cream, vanishing cream, face powder, etc. 178,257; Jan. 8; Serial No. 176,669; published Oct. 23, 1923.
Crown Chemical Company, The (now by change of name Boncilla Laboratories, Incorporated), Indianapolis, Ind. Facial pack. 178,258; Jan. 8; Serial No. 176,670; published Oct. 23, 1923.
Custer Specialty Company, The, Dayton, Ohio. Pleasure cars and industrial trucks. 178,432; Jan. 8.
Dalley, F. F., Company, Inc., Buffalo, N. Y. Shoe polish and dressing. 178,165; Jan. 8; Serial No. 183,140; published Oct. 16, 1923.
Dalley, F. F., Company, Inc., Buffalo, N. Y. Shoe polish and dressing. 178,166; Jan. 8; Serial No. 183,200; published Oct. 16, 1923.
Day, S. A., Manufacturing Company, The, Buffalo, N. Y. Paints and anticorrosive solutions for preserving iron, steel, and other metals. 178,149; Jan. 8; Serial No. 184,001; published Oct. 23, 1923.
Dean, N. E., Courtland, Calif. Fresh deciduous fruits—namely, pears. 178,285; Jan. 8; Serial No. 184,602; published Oct. 23, 1923.
De Laney, Paul Co. Inc., The, Brocton, N. Y. Fruit jams, preserves, jellies, marmalades, etc. 178,266; Jan. 8; Serial No. 175,773; published Oct. 16, 1923.
Della Porta, Gennaro, New York, N. Y. Liquid hair tonic. 178,327; Jan. 8; Serial No. 182,522; published Oct. 23, 1923.
Denver Gas and Electric Light Company, Denver, Colo. Roofing and building paper, waterproofing cement, etc. 178,213; Jan. 8; Serial No. 119,973; published Oct. 23, 1923.
Denzer & Nathan, Inc., New York, N. Y. Cotton fabrics. 178,069–70; Jan. 8; Serial Nos. 184,437–8; published Oct. 16, 1923.
Dering, Fredericks M., Chicago, Ill. Wall boards. 178,324; Jan. 8; Serial No. 182,571; published Oct. 23, 1923.
Dextra Manufacturing Co., Detroit, Mich. Vehicle jacks. 178,081; Jan. 8; Serial No. 165,787; published Oct. 16, 1923.
Dickson, Jessie A., doing business as J. A. Dickson Mfg. Co., Gary, Ind. Preparation for use in treating the scalp and promoting the growth of hair. 178,291; Jan. 8; Serial No. 182,405; published Oct. 30, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 178,064; Jan. 8; Serial No. 184,654; published Oct. 16, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Writing paper. 178,065; Jan. 8; Serial No. 184,655; published Oct. 16, 1923.
Dikeman, Carroll H., doing business as Dikeman's Orange Beverage Stores, Washington, D. C. Orange juice, fruit ciders. 178,314–15; Jan. 8; Serial Nos. 182,738–9; published Oct. 30, 1923.
Dolph, John C., Company, Newark, N. J. Varnish. 178,112; Jan. 8; Serial No. 178,716; published Oct. 23, 1923.
Domestic Devices Corporation, New York, N. Y. Machines for grinding scissors, etc. 178,267; Jan. 8; Serial No. 185,512; published Oct. 30, 1923.
Donnelly Machine Co., Inc., Brockton, Mass. Machinery for use in the shoe, hat, and glove trade. 178,325; Jan. 8; Serial No. 182,574; published Oct. 30, 1923.
Dowd, J. C., & Co., Inc., New York, N. Y. Receptacles. 178,184; Jan. 8; Serial No. 183,469; published Oct. 23, 1923.
Dri-Kamp Company. (See Purcell, Isaac S.)
Druggists' Supply Corporation, New York, N. Y. Pencils. 178,090; Jan. 8; Serial No. 184,070; published Oct. 16, 1923.
East Side Bottling Works, Detroit, Mich. Beverages sold as soft drinks. 178,300; Jan. 8; Serial No. 182,437; published Oct. 30, 1923.
Eavenson, J., & Sons Incorporated, Philadelphia, Pa., and Camden, N. J. Soap. 178,167; Jan. 8; Serial No. 183,263; published Oct. 16, 1923.
Edwards, Perc., doing business as Standard Engineering & Lubricating Co., New York, N. Y. Leather lubricator or dressing. 178,379; Jan. 8; Serial No. 182,287; published Oct. 16, 1923.
Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 178,064; Jan. 8; Serial No. 185,179; published Oct. 16, 1923.
Erbar, Samuel M., doing business as Seroline Remedy Co., Red Wing, Minn. Preparation for the treatment of piles. 178,254; Jan. 8; Serial No. 176,734; published Oct. 23, 1923.
Erwin Cotton Mills Co., The, West Durham, N. C. Denims in the piece. 178,076; Jan. 8; Serial No. 137,451; published Oct. 16, 1923.
Evans and Barnhill, Inc., San Francisco, Calif. Farming implements. 178,191; Jan. 8; Serial No. 182,407; published Oct. 16, 1923.
Evansville Packing Company, The, Evansville, Ind. Hams, bacon, sausage, lard, etc. 178,407; Jan. 8; Serial No. 179,931; published Oct. 16, 1923.
Exeter Orange Growers Association, Exeter, Calif. Fresh oranges and grapes. 178,458; Jan. 8.
Fairbanks, E. and T., and Company, St. Johnsbury, Vt. Weighing machines and parts thereof. 178,459; Jan. 8.
Fansteel Products Company, Inc., North Chicago, Ill. Poppet valves. 178,190; Jan. 8; Serial No. 181,522; published Oct. 16, 1923.
Farley Harvey Company, The, Boston, Mass. Linen and cotton cloths. 178,280; Jan. 8; Serial No. 184,965; published Oct. 16, 1923.
Federal Paper Board Company, Inc., Bogota, N. J. Paperboard for boxing and wrapping purposes. 178,071; Jan. 8; Serial No. 184,443; published Oct. 16, 1923.
Ferguson, H. B., Co. Inc., New York, N. Y. Men's and boys' work shirts. 178,212; Jan. 8; Serial No. 173,270; published Oct. 30, 1923.
Ferry, John B., San Francisco, Calif. Vaporizer for internal-combustion motors. 178,137; Jan. 8; Serial No. 181,826; published Oct. 30, 1923.
Field Cigar Corporation, Detroit, Mich. Cigars. 178,369; Jan. 8; Serial No. 177,176; published Oct. 30, 1923.
Findley, William F., Los Angeles, Calif. Combination liquid-soap dispensers and towel racks. 178,256; Jan. 8; Serial No. 175,239; published Oct. 30, 1923.
Fine, M., & Sons, New York, N. Y. Work and negligee shirts. 178,320; Jan. 8; Serial No. 182,656; published Oct. 23, 1923.
Florasynth Laboratories, New York and Usionport, N. Y. Flavoring extract for food purposes. 178,416; Jan. 8; Serial No. 179,192; published Oct. 23, 1923.

Flint, J. G., Tobacco Co., Winston-Salem, N. C. Tobacco. 178,177; Jan. 8; Serial No. 183,563; published Oct. 23, 1923.
Foote, William H., doing business as T. H. Bullock Manufacturing Co., Cleveland, Ohio. Bellows. 178,447; Jan. 8.
Ford, John A., Chicago, Ill. Dry cleaner. 178,163; Jan. 8; Serial No. 183,796; published Oct. 16, 1923.
Forstmann & Huffman Company, Passaic, N. J. Woolen piece goods. 178,057–9; Jan. 8; Serial Nos. 185,115–17; published Oct. 16, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 178,151; Jan. 8; Serial No. 185,113; published Oct. 16, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 178,061; Jan. 8; Serial No. 185,112; published Oct. 16, 1923.
Frankel Bros., New York, N. Y. Men's caps, sweaters, shoes, negligee shirts, and hosiery. 178,117; Jan. 8; Serial No. 181,984; published Oct. 23, 1923.
Frasher, Lee, East Lynn, W. Va. Preparation for use in treating diphtheria, etc. 178,130; Jan. 8; Serial No. 182,241; published Oct. 23, 1923.
Freeman, Louis G., Company, The, Cincinnati, Ohio. Shoe-machinery parts and supplies. 178,304; Jan. 8; Serial No. 183,106; published Oct. 30, 1923.
Frye, Robert B., Pueblo, Colo. Chemical composition for destroying rodents and other animal pests. 178,400; Jan. 8; Serial No. 182,340; published Oct. 16, 1923.
Furst-McNess Company, Freeport, Ill. Hard-water soap. 178,168; Jan. 8; Serial No. 183,266; published Oct. 16, 1923.
Gammons-Holman Company, Manchester, Conn. Milling tools and reamers. 178,452; Jan. 8.
Garden City Feeder Co., Pella, Iowa. Weighers. 178,431; Jan. 8.
Garden City Feeder Co., Pella, Iowa. Grain feeders and parts thereof. 178,433; Jan. 8.
Gartside's Iron Rust Soap Co., Philadelphia, Pa. Laundry blue. 178,403; Jan. 8; Serial No. 180,534; published Oct. 23, 1923.
General Paint and Varnish Company, Chicago, Ill. Varnishes and stains. 178,293; Jan. 8; Serial No. 183,282; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Paint and varnish removers. 178,294; Jan. 8; Serial No. 183,281; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Flat wall finish. 178,295; Jan. 8; Serial No. 183,276; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Varnish for the cementing of linoleums, etc. 178,296; Jan. 8; Serial No. 183,278; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Lemon-oil polish. 178,297; Jan. 8; Serial No. 183,280; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Flat wall paint. 178,298; Jan. 8; Serial No. 183,274; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Paint enamels, flat wall finish, and varnishes. 178,299; Jan. 8; Serial No. 183,275; published Oct. 30, 1923.
General Paint and Varnish Company, Chicago, Ill. Ready-mixed paints, paint enamels, and stains. 178,302; Jan. 8; Serial No. 183,271; published Oct. 30, 1923.
General Tobacco Company, Louisville, Ky., and Chicago, Ill. Cigarettes, cigars, and smoking tobacco. 178,003; Jan. 8; Serial No. 184,535; published Oct. 30, 1923.
General Tobacco Company, Louisville, Ky., and Chicago, Ill. Cigarettes, cigars, and smoking tobacco. 178,005–6; Jan. 8; Serial Nos. 184,352–3; published Oct. 30, 1923.
Glob Arico. (See Lugar, Irwin E.)
Goetter's, M. G., Sons, Circleville, Ohio. Floor brushes. 178,316; Jan. 8; Serial No. 182,749; published Oct. 30, 1923.
Gold Medal Water-Proofing Co., assignor to Waterproofed Products Company, Oakland, Calif. Compound to be used in place of red-lead putty. 178,107; Jan. 8; Serial No. 168,882; published Oct. 23, 1923.
Gorham Manufacturing Company, Providence, R. I. Knives, forks, spoons, scissors, poultry shears, sharpening steels. 178,224; Jan. 8; Serial No. 182,249; published Oct. 30, 1923.
Graham, Rowe & Company, Inc., New York, N. Y. Salt cake. 178,397; Jan. 8; Serial No. 182,375; published Oct. 16, 1923.
Grangers Manufacturing Co., Boston, Mass. Whiting for use in paint, linoleum, and rubber trades. 178,125–6; Jan. 8; Serial Nos. 182,242–3; published Oct. 30, 1923.
Granite State Spring Water Co., Atkinson Depot, N. H. Beverage sold as an orange drink and sirup for making the same. 178,122; Jan. 8; Serial No. 182,392; published Oct. 30, 1923.
Granitface Company, Inc., Brooklyn, N. Y. Stucco. 178,202; Jan. 8; Serial No. 170,282; published Oct. 23, 1923.
Graves, Frank B., Co., Albany, N. Y. Absorbent cotton. 178,111; Jan. 8; Serial No. 179,367; published Oct. 23, 1923.
Greene, Tweed & Co., New York, N. Y., and Newark, N. J. Door knockers, door numbers, flaps, hinges, etc. 178,284; Jan. 8; Serial No. 182,514; published Oct. 30, 1923.
Greene, Tweed & Co., New York, N. Y. Wrenches and parts thereof. 178,287; Jan. 8; Serial No. 184,400; published Oct. 30, 1923.
Gude Brothers, Kieffer Company, New York, N. Y. Butter. 178,211; Jan. 8; Serial No. 174,441; published Oct. 16, 1923.
Guiterman Brothers, St. Paul, Minn. Mechanics' suits, cloth shirts, and trousers. 178,075; Jan. 8; Serial No. 138,166; published Oct. 31, 1923.
Handipak Company, Salt Lake City, Utah. Auto road maps. 178,331; Jan. 8; Serial No. 180,864; published Oct. 16, 1923.
Harris, A. W., Oil Company, Providence, R. I. Lubricating oils and greases. 178,194; Jan. 8; Serial No. 158,084; published Oct. 30, 1923.
Haywood Publishing Company, La Fayette, Ind. Shipping tags. 178,067; Jan. 8; Serial No. 184,448; published Oct. 16, 1923.
Heidfond, Samuel M., doing business as Heidfond Drug Company and Raymo Company, Portland, Oreg. Liquid antiseptic. 178,343; Jan. 8; Serial No. 181,278; published Oct. 23, 1923.
Hercules Manufacturing Co., Minneapolis, Minn. Portable stoves. 178,426; Jan. 8.
Herron, James H., Company, The, Cleveland, Ohio. Welding metal. 178,182–3; Jan. 8; Serial Nos. 182,449–50; published Oct. 16, 1923.
Hibben, John H., Dry Goods Co., The, Cincinnati, Ohio. Hosiery, knitted underwear, and leather and fabric gloves. 178,245; Jan. 8; Serial No. 181,395; published Oct. 23, 1923.
Highland Cordage Company, Highland and Hickory, N. C. Cords, twines, ropes, and lines. 178,140; Jan. 8; Serial No. 185,583; published Oct. 23, 1923.
Hijos de Ybarra, Seville, Spain. Olive oil. 178,383; Jan. 8; Serial No. 182,501; published Oct. 16, 1923.
Hill, Wilfrid, doing business as The County Golf Company, Birmingham, England. Golf balls. 178,285; Jan. 8; Serial No. 175,393; published Oct. 23, 1923.
Hind & Harrison Plush Co., The, Clarks Mills and New York, N. Y. Plushes in the piece. 178,091; Jan. 8; Serial No. 183,211; published Oct. 16, 1923.
Hinsdale Manufacturing Company, Chicago, Ill. Wrenches, wrench and socket wrench sets, and alignment jigs. 178,291; Jan. 8; Serial No. 183,383; published Oct. 30, 1923.
Hinton, Frank, Decatur, Ill. Soap paste. 178,376; Jan. 8; Serial No. 181,396; published Oct. 16, 1923.
Hisey-Wolf Machine Company, The, Cincinnati, Ohio. Locks, particularly for motor vehicles. 178,288; Jan. 8; Serial No. 183,625; published Oct. 30, 1923.
Hoffmaster, Harry E., Toledo, Ohio. General scouring preparation. 178,382; Jan. 8; Serial No. 184,107; published Oct. 16, 1923.
Hoffman, Samuel L., doing business as S. L. Hoffman & Co., New York, N. Y. Ginghams in the piece. 178,086; Jan. 8; Serial No. 182,877; published Oct. 16, 1923.
Hold-Pack Mfg. Co. (See Morgan, Walter E.)
Honeywell Heating Specialties Company, Wabash, Ind. Thermostats. 178,429; Jan. 8.
Hondaille Company, The, Buffalo, N. Y. Automobile shock absorbers. 178,359; Jan. 8; Serial No. 161,626; published Jan. 15, 1924.
Hondaille Company, The, New York, N. Y. Automobile shock absorbers. 178,361; Jan. 8; Serial No. 161,625; published Oct. 23, 1923.
Howe Chain Company, Muskegon, Mich. Drive chains. 178,179; Jan. 8; Serial No. 183,834; published Oct. 16, 1923.
Hudson Mfg. Co., The, Minneapolis, Minn. Sprayers and parts thereof. 178,455–6; Jan. 8.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, dried fruits. 178,454; Jan. 8.
Huntington Laboratories Inc., Huntington, Ind. Liquid soap. 178,165; Jan. 8; Serial No. 184,733; published Oct. 16, 1923.
Huntington Laboratories Inc., Huntington, Ind. Liquid soap. 178,157; Jan. 8; Serial No. 184,752; published Oct. 16, 1923.
Hutchinson Manufacturing Co., Inc., Norristown, Pa. Combination woodworking machines. 178,248; Jan. 8; Serial No. 183,635; published Oct. 30, 1923.
Hygienic Manufacturing Company, Chicago, Ill. Soaps. 178,375; Jan. 8; Serial No. 181,400; published Oct. 16, 1923.
Igelfors Bruks Aktiebolag, Stockholm, Sweden. Scythes and sickles. 178,200–10; Jan. 8; Serial Nos. 172,275–6; published Oct. 30, 1923.
International Dry Goods Co., Boston, Mass. Sweaters, union suits, shirts, etc. 178,311; Jan. 8; Serial No. 182,753; published Oct. 23, 1923.
International Postal Supply Company of New York, The, Brooklyn, N. Y. Check-indorsing machines. 178,463; Jan. 8.
International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. 178,247; Jan. 8; Serial No. 181,527; published Oct. 30, 1923.
Jacksonville Cracker Works, Jacksonville, Fla. Bakery and confectionery products. 178,136; Jan. 8; Serial No. 181,751; published Oct. 16, 1923.
James, Percy H., Oklahoma City, Okla. Beverage sold as a soft drink. 178,245; Jan. 8; Serial No. 183,627; published Oct. 30, 1923.

Jelenkó, J. F., & Co., New York, N. Y. Dental golds, solders, plates, disks, etc. 178,152; Jan. 8; Serial No. 185,593; published Oct. 23, 1923.
Jenner, Herbert S., Rochester, N. Y. Beverages sold as soft drinks. 178,292; Jan. 8; Serial No. 183,384; published Oct. 30, 1923.
Johann Schmidt Oblatenfabrik, Nuremberg, Germany. Wafers to be used for lining bakers' ware, apparatus for baking wafers. 178,351; Jan. 8; Serial No. 165,572; published Oct. 23, 1923.
Johnson Gas Appliance Company, Cedar Rapids, Iowa. Gas appliances. 178,259; Jan. 8; Serial No. 176,348; published Oct. 23, 1923.
Judge & Nagle, Philadelphia, Pa. Cigars. 178,123; Jan. 8; Serial No. 182,311; published Oct. 23, 1923.
Julian, C. C., Los Angeles, Calif. Gasoline, lubricating oils and greases. 178,142–3; Jan. 8; Serial Nos. 184,403–4; published Oct. 23, 1923.
Kann, William L., trading as Advance Abrasive Co., Pittsburgh, Pa. Abrasive pastes, powders, cloths, grinding wheels, paper, rouge, soap, polishing bricks, buffing compounds, etc. 178,364; Jan. 8; Serial No. 173,329; published March 20, 1923.
Karagheusian, A. & M., Inc., New York, N. Y. Textile rugs. 178,062; Jan. 8; Serial No. 184,912; published Oct. 16, 1923.
Kentucky Independent Oil Company, The, Covington, Ky. Lubricating motor oil. 178,174; Jan. 8; Serial No. 184,285; published Oct. 23, 1923.
Keystone Macaroni Manufacturing Company, Lebanon, Pa. Macaroni products. 178,338; Jan. 8; Serial No. 181,180; published Oct. 23, 1923.
Kleiner, Joseph J., & Co., New York, N. Y. Clinical thermometers, hypodermic needles and syringes, etc. 178,448; Jan. 8.
Knell, Louis, doing business as Armored Trunk Mfg. Co., Youngstown, Ohio. Trunks. 178,278; Jan. 8; Serial No. 184,914; published Oct. 30, 1923.
Kline, Edward A., doing business as E. A. Kline & Co., New York, N. Y. Tobacco products. 178,321; Jan. 8; Serial No. 182,591; published Oct. 23, 1923.
Klipstein, A., and Company, New York, N. Y. Synthetic gum used in paints and varnishes. 178,453; Jan. 8.
Korl, John B., doing business as United States Remedy Co., Jacksonville, Fla. Disinfectants. 178,334; Jan. 8; Serial No. 181,013; published Oct. 23, 1923.
Laitman & Laitman, New York, N. Y. Traveling bags, suitcases, brief cases, and trunks. 178,234; Jan. 8; Serial No. 183,578; published Oct. 30, 1923.
Lamb, Thomas B., New York, N. Y. Metal containers used for candy, lunch, workboxes, etc. 178,417; Jan. 8; Serial No. 180,227; published Oct. 30, 1923.
Laminated Shim Company, Inc., Long Island City, N. Y. Shims and shim stock. 178,113; Jan. 8; Serial No. 178,617; published Oct. 16, 1923.
La Minnuette Trading Co. (See Schneider, Aaron.)
Lever Brothers Company, Cambridge, Mass. Soap. 178,170; Jan. 8; Serial No. 182,855; published Oct. 16, 1923.
Lincoln Brothers, New York, N. Y. Cigars. 178,290; Jan. 8; Serial No. 184,342; published Oct. 23, 1923.
Linden, John O., Albuquerque, N. Mex. Massage appliance. 178,173; Jan. 8; Serial No. 184,251; published Oct. 23, 1923.
Lloyd, Milby W., doing business as Lloyd Tobacco Company, Ocala, Fla. Cigars. 178,145; Jan. 8; Serial No. 185,302; published Oct. 23, 1923.
Louvon Laboratory, Brooklyn, N. Y. Medicinal preparation for the treatment of burns, cuts, etc. 178,127; Jan. 8; Serial No. 182,250; published Oct. 23, 1923.
Lovell Oil Company, Inc., The, West Fort Lee, N. J. Lemon oil and other oils and polishes. 178,243; Jan. 8; Serial No. 183,713; published Oct. 30, 1923.
Lumb Knitting Company, Pawtucket, R. I. Infants' patented buttonless shirts. 178,232; Jan. 8; Serial No. 156,496; published Oct. 23, 1923.
McDermott, John A., Chicago, Ill. Soap. 178,159; Jan. 8; Serial No. 183,309; published Oct. 16, 1923.
M. & V. Tank Company, Wichita Falls, Tex. Storage tanks. 178,236; Jan. 8; Serial No. 183,527; published Oct. 30, 1923.
MacKenzie's, Duncan Sons Co., Trenton, N. J. Ferrous metals. 178,401; Jan. 8; Serial No. 182,352; published Oct. 23, 1923.
MacLean Drug Company, Chicago, Ill. Mops, brooms, dusters, and brushes. 178,271; Jan. 8; Serial No. 178,757; published Oct. 30, 1923.
Malloy, Samuel J., New York, N. Y. Pharmaceutical preparations. 178,328; Jan. 8; Serial No. 182,544; published Oct. 23, 1923.
Mann, Clyde A., Chicago, Ill. Almanac and yearbook. 178,263; Jan. 8; Serial No. 176,269; published Oct. 16, 1923.
Marathon Tire & Rubber Company, Cuyahoga Falls, Ohio. Golf balls and golf-stick grips. 178,219; Jan. 8; Serial No. 149,922; published Oct. 23, 1923.
Markt & Hammacher Company, doing business as American Manufacturing Company, New York, N. Y. Agricultural implements. 178,205; Jan. 8; Serial No. 171,277; published Oct. 30, 1923.
Marshall Field & Company, Chicago, Ill. Writing paper. 178,220; Jan. 8; Serial No. 146,536; published Oct. 23, 1923.
Marshall-Wells Company, Duluth, Minn. Hammers, hatchets, saws, planes, etc. 178,269; Jan. 8; Serial No. 178,528; published Oct. 30, 1923.
Mead Johnson & Company, Evansville, Ind. Specially-prepared food for infants. 178,378; Jan. 8; Serial No. 182,598; published Oct. 30, 1923.
Meade Rubber Company, Stoughton, Mass. Rubberized cloth. 178,367; Jan. 8; Serial No. 174,173; published Oct. 23, 1923.
Meigs, Charles A., Fort Wayne, Ind. Ophthalmic lenses, eyeglasses, and spectacles. 178,085; Jan. 8; Serial No. 183,076; published Oct. 16, 1923.
Mentho Sulphur Company, Jersey City, N. J. Medicinal salve for the relief of affections of the skin and scalp. 178,392; Jan. 8; Serial No. 182,429; published Oct. 30, 1923.
Metalon Products Corporation, New York, N. Y. Metal paint, lacquer, powder, and casting composition. 178,180; Jan. 8; Serial No. 184,088; published Oct. 23, 1923.
Metro Pictures Corporation, New York, N. Y. Motion-picture films. 178,349; Jan. 8; Serial No. 183,453; published Oct. 30, 1923.
Metsan Dental Mfg. Co. (See Bandman, Albert.)
Mildrum, W. W., Jewel Co., The, East Berlin, Conn. Fishing-rod mountings. 178,308; Jan. 8; Serial No. 183,489; published Oct. 23, 1923.
Miller Brothers Company, Chattanooga, Tenn. Hosiery, underwear, sweaters, scarfs, etc. 178,121; Jan. 8; Serial No. 166,145; published Feb. 6, 1923.
Miller, H. H., Industries Company, The, Canton, Ohio. Bottle filling and capping machines and dairy machinery. 178,134; Jan. 8; Serial No. 182,168; published Oct. 30, 1923.
Miller Rubber Company, The, Akron, Ohio. Tires. 178,442; Jan. 8.
Mine and Smelter Supply Company, The, Denver, Colo. Ore-mill and concentrating-table parts. 178,078; Jan. 8; Serial No. 158,790; published Oct. 16, 1923.
Mineral Products, Inc., Los Angeles, Calif. Roofing materials, composition flooring, stucco, artificial stone. 178,413; Jan. 8; Serial No. 180,382; published Oct. 23, 1923.
Morgan, Walter E., doing business as Hold-Pack Mfg. Co., Dayton, Tenn. Metal fasteners. 178,181; Jan. 8; Serial No. 183,310; published Oct. 16, 1923.
Morrow Manufacturing Co., The, Wellston, Ohio. Shaking screens. 178,286; Jan. 8; Serial No. 184,346; published Oct. 30, 1923.
Mueller Metals Company, Port Huron, Mich. Castings of nonferrous metals. 178,178; Jan. 8; Serial No. 183,662; published Oct. 16, 1923.
Mueller Metals Company, Port Huron, Mich. Nonferrous metal tubing. 178,228; Jan. 8; Serial No. 156,103; published Oct. 16, 1923.
Murdock, C. A., Mfg. Co., Kansas City, Mo. Coffee. 178,430; Jan. 8.
Murphy, George T., Cleveland, Ohio. Polishes for painted, varnished, and lacquered surfaces. 178,451; Jan. 8.
Murphy Iron Works, Detroit, Mich. Coal-burning furnaces and castings and coal-feeding stokers. 178,231; Jan. 8; Serial No. 157,380; published Oct. 23, 1923.
National Lock Washer Company, Newark, N. J. Railway-car window and vestibule equipment. 178,435; Jan. 8.
National Packing Corporation, Ogden, Utah. Canned vegetables, fruits, tomato purée, and tomato catchup. 178,337; Jan. 8; Serial No. 180,878; published Oct. 16, 1923.
National Stamping & Electric Works, Chicago, Ill. Electric vibratory outfits and heating pads, electrical therapeutic batteries. 178,360; Jan. 8; Serial No. 161,698; published Oct. 30, 1923.
Neptune Products Company, New York, N. Y. Belt for prevention of nausea. 178,144; Jan. 8; Serial No. 185,257; published Oct. 23, 1923.
New England Confectionery Company, Boston, Mass. Candy. 178,225; Jan. 8; Serial No. 154,840; published Mar. 27, 1923.
New York Vitreous Enamel Products Corporation, Dover, Del., and Flushing, N. Y. Enameled-metal covers for washtubs. 178,260; Jan. 8; Serial No. 176,643; published Oct. 30, 1923.
North Dakota Metal Culvert Co., Fargo, N. Dak. Metal culverts and well curbing. 178,197; Jan. 8; Serial No. 160,021; published Oct. 30, 1923.
Northern Institute Co., The, Cleveland, Ohio. Instruction books, pamphlets, or folders. 178,415; Jan. 8; Serial No. 180,488; published Oct. 16, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 178,088; Jan. 8; Serial No. 184,355; published Oct. 16, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 178,094; Jan. 8; Serial No. 184,352; published Oct. 16, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 178,146; Jan. 8; Serial No. 184,360; published Oct. 16, 1923.
Northwestern Bakers & Confectioners Co., Minneapolis, Minn. Petroleum oil and slab oils, vegetable and mineral. 178,185; Jan. 8; Serial No. 181,857; published Oct. 23, 1923.

Opits Manufacturing Company, Milwaukee, Wis. Automobile radiators. 178,268; Jan. 8; Serial No. 172,291; published Oct. 23, 1923.
Owen, Percy W., doing business as Southern Feed Co., Birmingham, Ala. Cow, horse, mule, and hen feed. 178,064; Jan. 8; Serial No. 180,489; published Oct. 23, 1923.
Pabst Corporation, Milwaukee, Wis. Malt sirup and malt cereal beverages sold as a soft drink. 178,340; Jan. 8; Serial No. 181,214; published Oct. 30, 1923.
Pabst Corporation, Milwaukee, Wis. Malt sirup and malt cereal beverages sold as a soft drink. 178,341; Jan. 8; Serial No. 181,212; published Oct. 30, 1923.
Packard Motor Car Company of New York, New York, N. Y. Tire carriers. 178,385; Jan. 8; Serial No. 182,521; published Oct. 23, 1923.
Pandora Co., The. (See Sandra Laboratories, Inc.)
Paraffine Companies, Inc., The, San Francisco, Calif. Composition for coating roofs. 178,196; Jan. 8; Serial No. 161,450; published Oct. 23, 1923.
Paragon Cement Products Co., St. Louis, Mo. Cement products. 178,333; Jan. 8; Serial No. 180,809; published Oct. 23, 1923.
Parr, Joseph A., Manchester, N. H. Medicinal preparation for cough, sore throat, etc. 178,388; Jan. 8; Serial No. 182,439; published Oct. 16, 1923.
Patrick Orchards, Stuart, Va. Apples. 178,460; Jan. 8.
Pearce, C. R., Company, assignor to The C. R. Pearce Company, Pittsburgh, Pa. Candy, confections, and candy-coated fruits. 178,056; Jan. 8; Serial No. 168,936; published Jan. 30, 1923.
Peerless Finishing Co. Inc., Los Angeles, Calif. Transparent gum filler. 178,218; Jan. 8; Serial No. 150,928; published Oct. 30, 1923.
Pelican Bay Lumber Company, Klamath Falls, Oreg. Lumber, laths, moldings, sidings. 178,405; Jan. 8; Serial No. 180,079; published Oct. 23, 1923.
Pennsylvania Range Boiler Co., Philadelphia, Pa. Range boilers. 178,389; Jan. 8; Serial No. 182,484; published Oct. 23, 1923.
Perlberg & Halpin, New York, N. Y. Removable covers for musical instruments. 178,423; Jan. 8.
Perth Amboy Chemical Works, Perth Amboy, N. J., and New York, N. Y. Formaldehyde. 178,344; Jan. 8; Serial No. 181,410; published Oct. 23, 1923.
Pesci, Alfonso J., Chicago, Ill. Furniture and automobile polish. 178,106; Jan. 8; Serial No. 169,776; published Oct. 23, 1923.
Pfeiffer, Frederick, St. Louis, Mo. Foot-arch supports. 178,116; Jan. 8; Serial No. 179,819; published Oct. 23, 1923.
Phelps, Walter H., doing business as The Criterion Laboratories, Portsmouth, Ohio. Cleaning and polishing materials for furniture, etc. 178,264; Jan. 8; Serial No. 175,369; published Oct. 30, 1923.
Philadelphia Storage Battery Co., Philadelphia, Pa. Electrolytes. 178,335; Jan. 8; Serial No. 180,942; published Oct. 23, 1923.
Philipps Aktien-Gesellschaft, Frankfort-on-the Main, Germany. Boxes for music-note-roll ribbons and music note sheets. 178,097; Jan. 8; Serial No. 150,287; published Oct. 23, 1923.
Pickaninny Company, The, Baltimore, Md. Emulsion of pure olive oil and raisin juice. 178,131; Jan. 8; Serial No. 182,223; published Oct. 16, 1923.
Portage Shoe Mfg. Company, Portage, Wis. Shoe and leather preservative and dressing. 178,156; Jan. 8; Serial No. 184,294; published Oct. 16, 1923.
Precision Speedometer Co., Detroit, Mich. Speedometers and speedometer plates. 178,235; Jan. 8; Serial No. 183,592; published Oct. 30, 1923.
"Prodor" Fabrique de Produits Organiques S. A., Geneva, Switzerland. Clay, tile, and terra-cotta pipes and conduits, columns, struts, etc. 178,204; Jan. 8; Serial No. 171,954; published Oct. 23, 1923.
Purcell, Isaac S., doing business as Dri-Kamp Company, Chicago, Ill. Tents. 178,421; Jan. 8; Serial No. 179,553; published Oct. 30, 1923.
Purdy, Fred A., New York, N. Y. Machines for printing, issuing, and auditing tickets. 178,080; Jan. 8; Serial No. 167,896; published Oct. 16, 1923.
Purdy, O. N., jr., Boston, Mass. Wool. 178,380; Jan. 8; Serial No. 181,774; published Oct. 30, 1923.
Pure Oil Co., The, Columbus, Ohio. Gasoline. 178,099; Jan. 8; Serial No. 164,003; published Oct. 23, 1923.
Rapoport, Maurice & Co., New York, N. Y. Balls, bats, golf clubs, tennis rackets, etc. 178,237; Jan. 8; Serial No. 183,502; published Oct. 23, 1923.
Raymo Company. (See Heldfond, Samuel M.)
Red Chief Polish Manufacturing Company, New Orleans, La. Polish for automobiles, furniture, etc. 178,105; Jan. 8; Serial No. 166,264; published Oct. 23, 1923.
Red Foot Products Company, Inc., Detroit, Mich. Medicinal preparations. 178,408; Jan. 8; Serial No. 179,742; published Oct. 23, 1923.
Reid, Murdock & Co., Chicago, Ill. Baking powder and cream of tartar. 178,357; Jan. 8; Serial No. 163,177; published Dec. 26, 1922.
Reina Brothers & Company, Ybor City, Tampa, Fla. Cottonseed salad oil. 178,466; Jan. 8.
Remington Salt Company, Ithaca, N. Y. Salt. 178,124; Jan. 8; Serial No. 182,317; published Oct. 16, 1923.
Renovatol Company, Philadelphia, Pa. Preparation adapted to be applied to brake bands, brake drums, clutches, belts, etc. 178,169; Jan. 8; Serial No. 182,673; published Oct. 16, 1923.
Republic Iron & Steel Company, Youngstown, Ohio. Iron and steel. 178,246; Jan. 8; Serial No. 183,994; published Oct. 23, 1923.
Rhodes, James H., & Company, Chicago, Ill. Pumice stone. 178,164; Jan. 8; Serial No. 182,858; published Oct. 16, 1923.
Rhodes, James H., & Company, Chicago, Ill. Pumice stone. 178,171–2; Jan. 8; Serial Nos. 182,856–7; published Oct. 16, 1923.
Richgrove-Jasmine Citrus Assn., Terra Bella, Calif. Fresh citrous fruits. 178,441; Jan. 8.
Roberts, Elbert C., doing business as E. C. Roberts Chemical Company, Newport News, Va. General houshold cleansing preparation, laundry soap and soap chips. 178,366; Jan. 8; Serial No. 175,270; published Oct. 16, 1923.
Robertson Bleachery & Dye Works, Incorporated, The, New Milford, Conn. Cotton piece goods. 178,241–2; Jan. 8; Serial Nos. 183,802–3; published Oct. 16, 1923.
Roebling's, John A., Sons Co., Trenton, N. J. Wire rope. 178,147; Jan. 8; Serial No. 185,380; published Oct. 23, 1923.
Rogers Candy Company, Meridian, Miss. Candy. 178,154; Jan. 8; Serial No. 182,613; published Oct. 16, 1923.
Rose, E. B., Co., The, East Stroudsburg, Pa. Washing powder. 178,365; Jan. 8; Serial No. 173,212; published Oct. 16, 1923.
Rosenberg, M. H., & Co., New York, N. Y. Cotton piece goods. 178,079; Jan. 8; Serial No. 172,806; published Oct. 16, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Pile fabrics in the piece. 178,440; Jan. 8.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, capes, etc. 178,350; Jan. 8; Serial No. 165,311; published Oct. 23, 1923.
Sanborn, Margaret R., doing business as Blue Bird Food Company, Chicago, Ill. Salad dressings. 178,356; Jan. 8; Serial No. 162,070; published Oct. 23, 1923.
Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensboro, Ky. Flour. 178,418; Jan. 8; Serial No. 180,303; published Sept. 25, 1923.
Sanderson, Arthur, & Sons Limited, London, England. Cretonnes or printed fabrics. 178,083; Jan. 8; Serial No. 181,617; published Oct. 16, 1923.
San Dimas Lemon Association, San Dimas, Calif. Fresh citrous fruits. 178,289; Jan. 8; Serial No. 184,300; published Oct. 23, 1923.
Sandra Laboratories, Inc., doing business as The Pandora Co., Newark, N. J. Toilet preparation for the skin. 178,386; Jan. 8; Serial No. 182,486; published Oct. 23, 1923.
San Joaquin Grocery Co., Fresno, Calif. Beverages sold as soft drinks. 178,119; Jan. 8; Serial No. 182,268; published Oct. 30, 1923.
San Joaquin Grocery Co., Fresno, Calif. Sulphur. 178,118; Jan. 8; Serial No. 182,267; published Oct. 23, 1923.
Schafuss Corporation, New York, N. Y. Sanitary napkins. 178,300; Jan. 8; Serial No. 183,166; published Oct. 30, 1923.
Schering & Glatz, Inc., New York, N. Y. Phloridzin preparation for diagnostic purposes. 178,120; Jan. 8; Serial No. 182,270; published Oct. 23, 1923.
Schneider, Aaron, doing business as La Minnuette Trading Co., New York, N. Y. Rouges, face powders, compact, etc. 178,336; Jan. 8; Serial No. 180,895; published Oct. 23, 1923.
Schottland, A. Inc., Paterson, N. J. Cotton and silk crêpes in the piece. 178,060; Jan. 8; Serial No. 184,799; published Oct. 16, 1923.
Schottland, A. Inc., Paterson, N. J. Cotton and silk crêpes in the piece. 178,063; Jan. 8; Serial No. 184,800; published Oct. 16, 1923.
Schreyer & Co., Nuremberg, Germany. Fabric toy fixtures of all kinds. 178,406; Jan. 8; Serial No. 179,824; published Oct. 23, 1923.
Schutze, F., and Company Limited, London, England. Infants' soothers. 178,410; Jan. 8; Serial No. 180,085; published Oct. 30, 1923.
Schwartz, L., & Sons, New York, N. Y. Ladies' coats and suits. 178,348; Jan. 8; Serial No. 181,499; published Oct. 23, 1923.
Schweitzer "Cocoatina" Co., Limited, Holloway, London, England. Cocoa. 178,198; Jan. 8; Serial No. 166,622; published Oct. 23, 1923.
Scofield, Evans and Company, Chicago, Ill. Liquid floor finishing and maintenance preparations. 178,186; Jan. 8; Serial No. 181,914; published Oct. 23, 1923.
Scott Paper Company, Chester, Pa. Toilet paper. 178,268; Jan. 8; Serial No. 185,623; published Oct. 23, 1923.
Scully, D. B., Syrup Company, Chicago, Ill. Corn-sirup apple jelly. 178,229; Jan. 8; Serial No. 155,775; published Mar. 6, 1923.
See-Moon & Company, Chicago, Ill. Canned goods, preserved and dried fruits, cereals, etc. 178,354; Jan. 8; Serial No. 164,270; published Oct. 2, 1923.

Seroline Remedy Co. (See Erbar, Samuel M.)
Setaro, Joseph, Millbrook, N. Y. Dandruff remedy and hair dressing. 178,129; Jan. 8; Serial No. 182,225; published Oct. 16, 1923.
Shaffer, Cleve T., San Francisco, Calif. Net game similar to tennis. 178,307; Jan. 8; Serial No. 183,000; published Oct. 23, 1923.
Shapleigh Hardware Company, St. Louis, Mo. Lawnmowers. 178,240; Jan. 8; Serial No. 183,599; published Oct. 30, 1923.
Shurfit Hosiery Company, Not Inc., The, Chicago, Ill. Hosiery. 178,420; Jan. 8; Serial No. 180,196; published Oct. 23, 1923.
Singh, Wassan, Portland, Oreg. Herb hair cream and massage cream. 178,214; Jan. 8; Serial No. 145,923; published Oct. 23, 1923.
Slatecraft Studios. (See Stueber, Paul L.)
Snowolene Holding Company, Los Angeles, Calif. Petroleum product used for cleansing purposes. 178,158; Jan. 8; Serial No. 184,688; published Oct. 16, 1923.
"Smallex", Chicago, Ill. Inunction for the treatment of rheumatism. 178,227; Jan. 8; Serial No. 184,155; published Oct. 23, 1923.
Smith-Lee Company, The, Oneida, N. Y. Closures for bottles and jars. 178,446; Jan. 8.
Smith, Raymond A., doing business as Chemical Products Company, St. Louis, Mo. Eye remedy preparation for the treatment of sore, granulated, inflamed, etc., conditions of the eye or lids. 178,411; Jan. 8; Serial No. 179,686; published Oct. 23, 1923.
Soc. An. Fasc. Cinzano & Cia., Turin, Italy. Beverage sold as a soft drink. 178,306; Jan. 8; Serial No. 183,044; published Oct. 30, 1923.
Societe Francaise des Produits de Beaute, Paris, France. Perfumes, toilet water, face powder, etc. 178,398; Jan. 8; Serial No. 182,365; published Oct. 16, 1923.
Southern Feed Co. (See Owen, Percy W.)
Speidel, Immanuel G., doing business as The Sterobrus Co., Buffalo, N. Y. Toothbrush holder. 178,270; Jan. 8; Serial No. 178,970; published Oct. 30, 1923.
St. Maurice Paper Company, Limited, Montreal, Quebec, Canada. Paper pulp. 178,352; Jan. 8; Serial No. 184,724; published Oct. 23, 1923.
Standard Carbon Company, Monroe, La. Carbon black. 178,187; Jan. 8; Serial No. 181,917; published Oct. 30, 1923.
Standard Engineering & Lubricating Co. (See Edwards, Perc.)
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 178,000; Jan. 8; Serial No. 165,831; published Oct. 23, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 178,101-2; Jan. 8; Serial Nos. 165,832-3; published Oct. 23, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Cylinder oil. 178,175; Jan. 8; Serial No. 184,309; published Oct. 23, 1923.
Standard Paint Manufacturing Co. (See Combe, Guy A.)
Stanley Works, The, New Britain, Conn. Hinges. 178,250; Jan. 8; Serial No. 184,213; published Oct. 16, 1923.
Stanley Works, New Britain, Conn. Hinges. 178,251; Jan. 8; Serial No. 184,219; published Oct. 16, 1923.
Stanley Works, The, New Britain, Conn. Hinges. 178,252; Jan. 8; Serial No. 184,220; published Oct. 16, 1923.
Stanley Works, The, New Britain, Conn. Butts, hinges, hasps, latches, etc. 178,522; Jan. 8; Serial No. 182,619; published Oct. 16, 1923.
Steinweyer Brothers, doing business as The Tobacco Shop, Hartford, Conn. Tobacco, cigarettes, cigars. 178,496; Jan. 8.
Stern, L., & Co., New York, N. Y. Lingual bars. 178,139; Jan. 8; Serial No. 185,887; published Oct. 23, 1923.
Sternau, S., & Co., Inc., New York, N. Y. Cooking stands, stoves, etc. 178,221; Jan. 8; Serial No. 181,812; published Oct. 23, 1923.
Sterobrus Co., The. (See Speidel, Immanuel G.)
Stevens Paper Mills, Inc., The, Windsor, Conn. Paper for mechanical drawings. 178,067; Jan. 8; Serial No. 182,893; published Oct. 16, 1923.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Instruments for indicating the temperature of internal-combustion engines and other mechanisms. 178,077; Jan. 8; Serial No. 168,187; published Oct. 16, 1923.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 178,089; Jan. 8; Serial No. 184,867; published Oct. 16, 1923.
Stueber, Paul L., doing business as Slatecraft Studios, Boston, Mass. Roofing slate, floors, steps, etc. 178,462; Jan. 8.
Sullivan Machinery Company, Boston, Mass., and Chicago, Ill. Percussive drills. 178,444; Jan. 8.
Sullivan Machinery Company, Boston, Mass., and Chicago, Ill. Mining machines. 178,445; Jan. 8.
Sunoco Company, The, Milford, Conn. Gasoline, kerosene, benzine, petroleum, etc. 178,240; Jan. 8; Serial No. 183,806; published Oct. 30, 1923.
Talento, Maria, Palermo, Italy. Medical compound for lung diseases and diseases of the bones and blood. 178,222; Jan. 8; Serial No. 153,419; published Oct. 23, 1923.
Tallerday Medicine Company, The, Belvidere and Chicago, Ill. Medicated oil. 178,338; Jan. 8; Serial No. 182,628; published Oct. 30, 1923.
Taverner & Fricke, Los Angeles, Calif. Wrapping paper, toilet and wax paper. 178,053; Jan. 8; Serial No. 185,163; published Oct. 16, 1923.
Thomsen, August, & Co., Ridgewood, New York, N. Y. Cake-ornamenting and the pastry tubes, cake-ornamenting sets, etc. 178,277; Jan. 8; Serial No. 185,389; published Oct. 30, 1923.
Tobacco Shop, The. (See Steinweyer Brothers.)
Tokheim Oil Tank & Pump Co., Fort Wayne, Ind. Oil and gasoline measuring pumps. 178,253; Jan. 8; Serial No. 183,223; published Oct. 30, 1923.
Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio. Weighing scales and machines, etc. 178,449; Jan. 8.
Townley Metal and Hardware Company, Kansas City, Mo. Carpenters' pencils. 178,255; Jan. 8; Serial No. 185,633; published Oct. 23, 1923.
Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. 178,402; Jan. 8; Serial No. 180,506; published Aug. 21, 1923.
Triner, Joseph, Company, Chicago, Ill. Preparation for the externalnation of flies and mosquitoes. 178,317; Jan. 8; Serial No. 182,627; published Oct. 30, 1923.
Triner, Joseph, Company, Chicago, Ill. Laxative chewing gum. 178,318; Jan. 8; Serial No. 182,628; published Oct. 30, 1923.
Tryon Toy-Makers. (See Vance, Eleanor P., and Charlotte L. Yale.)
Turgeon, Joseph A., Providence, R. I. Tool handles. 178,276; Jan. 8; Serial No. 185,324; published Oct. 30, 1923.
U. S. Hame Company, Buffalo, N. Y.; Chicago, Ill.; Cleveland, Ohio, and Detroit, Mich. Commercial-motor-vehicle bodies. 178,330; Jan. 8; Serial No. 180,633; published Oct. 23, 1923.
Ullman-Jessel, Inc., New York, N. Y. Ladies' and misses' dresses. 178,226; Jan. 8; Serial No. 184,774; published Oct. 30, 1923.
Ungar, Irwin K., doing business as Globartco., Cincinnati, Ohio. Calendars, mailing cards, cut-out novelties. 178,358; Jan. 8; Serial No. 164,296; published Oct. 16, 1923.
Union Cutlery Co. Inc., Olean, N. Y. Knives, razors, and shears. 178,082; Jan. 8; Serial No. 179,241; published Oct. 16, 1923.
Union Cutlery Co. Inc., Olean, N. Y. Razor strops and hones. 178,381; Jan. 8; Serial No. 181,623; published Oct. 16, 1923.
Union Special Machine Company, Chicago, Ill. Sewing-machine needles. 178,272; Jan. 8; Serial No. 185,635; published Oct. 30, 1923.
United Chemical Companies, Kansas City, Mo. Preparation for cleansing and bleaching toilet bowls. 178,374; Jan. 8; Serial No. 180,726; published Oct. 16, 1922.
United Extract Company. (See Cohen, Leon.)
United States Gypsum Company, Chicago, Ill. Land plaster. 178,326; Jan. 8; Serial No. 167,588; published Oct. 30, 1923.
United States Remedy Co. (See Cori, John B.)
Vance, Eleanor P., and Charlotte L. Yale, doing business as Tryon Toy-Makers, Tryon, N. C. Children's toys. 178,132; Jan. 8; Serial No. 182,660; published Oct. 23, 1923.
Victorsohn, Morris, New York, N. Y. Lever-operated motors. 178,282; Jan. 8; Serial No. 184,700; published Oct. 30, 1923.
Virginia Atwood Orchard Company, Inc., Stuart, Va. Apples. 178,461; Jan. 8.
Virol, Limited, London, England. Nutrient laxative. 178,217; Jan. 8; Serial No. 139,874; published Nov. 28.
Voorhees Rubber Mfg. Co., Jersey City, N. J. Hose made wholly or partly of rubber or rubber composition. 178,230; Jan. 8; Serial No. 161,514; published Oct. 23, 1923.
Wahl Refractory Products Co., The, Fremont, Ohio. High-temperature cement. 178,305; Jan. 8; Serial No. 183,014; published Oct. 23, 1923.
Waltham Machine Works, Waltham, Mass. Pinion and gear cutting machines, lathes, and attachments, filing machines, etc. 178,465; Jan. 8.
Wanamaker, John, New York, New York, N. Y. Perfumes, sachets, toilet waters, etc. 178,399; Jan. 8; Serial No. 182,321; published Oct. 23, 1923.
Warsaw Basket Company, Warsaw, Ind. Baskets. 178,424; Jan. 8.
Washington Iron Works, Seattle, Wash. Logging and hoisting equipment. 178,239; Jan. 8; Serial No. 183,613; published Oct. 30, 1923.
Waterproofed Products Company. (See Gold Medal Water-Proofing Co., assignor.)
Wentzel, H., Tent and Duck Co., St. Louis, Mo. Tents. 178,160; Jan. 8; Serial No. 183,513; published Oct. 30, 1923.
Western Pump Company, Davenport, Iowa. Liquid pumps, pumping systems, and parts of same. 178,074; Jan. 8; Serial No. 157,786; published Oct. 16, 1923.
Western Steel & Chemical Co., Inc., Chicago, Ill. Oil mops. 178,213; Jan. 8; Serial No. 182,730; published Oct. 23, 1923.

Whiting, Harris E., doing business as Whiting Leather Belting Company, Long Island City, N. Y. Leather belting. 178,404; Jan. 8; Serial No. 179,977; published Oct. 23, 1923.
Wilcox Mohair Limited, Sydney, New South Wales, Australia. Hides, skins, tallow, and wool. 178,200; Jan. 8; Serial No. 171,118; published Oct. 23, 1923.
Wilkinson Bros. & Co., Inc., New York, N. Y. Smokers' articles. 178,438; Jan. 8.
Williamson, Bailey, F., Gainesville, Fla. Rock used in the manufacture of artificial stone. 178,167; Jan. 8. Serial No. 183,727; published Oct. 30, 1923.
Will-Whip-Cream Co., Los Angeles, Calif. Powder for whipped cream. 178,425; Jan. 8.
Wolf, Joseph E., doing business as J. E. Wolf Advertising Co., Boston, Mass. Printing, stamping, embossing, lithographing, and engraving work in connection with stationery. 178,215; Jan. 8; Serial No. 144,209; published Oct. 16, 1923.
World Color Printing Company, The, St. Louis, Mo. Title for cartoons. 178,393-4; Jan. 8; Serial Nos. 182,890-1; published Oct. 16, 1923.
Y-P Laboratories. (See Yeager, George.)
Yardsmore Golf Club Manufacturing Company, New York, N. Y. Golf clubs and golf-club heads. 178,206; Jan. 8; Serial No. 173,268; published Oct. 23, 1923.
Yeager, George, doing business as Y-P. Laboratories, Cincinnati, Ohio. Medicinal preparation for sore throat and irritated tonsils. 178,409; Jan. 8; Serial No. 179,762; published Oct. 23, 1923.
Zeiss, Carl, Zena, Germany. Color filters. 178,208; Jan. 8; Serial No. 183,048; published Oct. 30, 1923.
Zellerbach Paper Company, San Francisco, Calif. Paper bags. 178,428; Jan. 8.
Zellwood Fern Growers Association, Zellwood, Fla. Ferns. 178,377; Jan. 8; Serial No. 151,049; published Oct. 30, 1923.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adams Cone Co., Inc., The, Bridgeport, Conn. Ice-cream cones. 188,869–70; Jan. 8.
Ahrens, William C., Cary Station, Ill. Medicine for distemper of dogs. 186,043; Jan. 8.
Allen, Mark W., & Co., doing business as Checker Hair Tonic Co., Detroit, Mich. Hair tonics. 186,622; Jan. 8.
Allied Grocers, Inc., The, New York, N. Y. Title of a monthly publication. 187,278; Jan. 8.
All-in-One Company. (See Zarbaugh, Lyman.)
American Cereal Syrup Company, Chicago, Ill. Sirup for food purposes. 186,868; Jan. 8.
American Chemical & Drug Co. Inc., Olyphant, Pa. Proprietary laxative remedy. 188,085; Jan. 8.
American Electrical Heater Company, Detroit, Mich. Electrical conductor cords. 183,549; Jan. 8.
American Enameled Brick & Tile Company, New York, N. Y. Enameled bricks. 178,369; Jan. 8.
American Trade Publishing Co., New York, N. Y. Weekly magazine. 187,841; Jan. 8.
Amerise, William, doing business as Haselton Macaroni Mfg. Co., Haselton, Pa. Olive oil, tomato-paste sauce. 187,217; Jan. 8.
Arabol Mfg Co., The, New York, N. Y. Adhesives, sizings. 183,103; Jan. 8.
Atwood, F. A., Inc., New Haven, Conn. Peanut-butter sandwiches. 183,510; Jan. 8.
Aunt Betty's Products Co., Los Angeles, Calif. Marmalades, honey, table sirup, etc. 186,864; Jan. 8.
Auto-Fisik Co., The, Peoria, Ill. Carbon remover. 178,062; Jan. 8.
Autorobe Trunk Co. (See Seward Trunk and Bag Company.)
Ayer, Harriet Hubbard, New York, N. Y. Talcum and theatrical powders. 186,054; Jan. 8.
Bag-O-Heat Company. (See Yore, George J.)
Baltimore Water Paint Company. (See Swarts, Milton D.)
Becker, Gustav L., doing business as Becker Products Co., Ogden, Utah. Nonalcoholic cereal beverages. 187,706; Jan. 8.
Beegle, Clair H., Tacoma, Wash. Therapeutic salve for cuts, wounds, etc. 188,044; Jan. 8.
Behlen, H., & Bro., New York, N. Y. Bronze and aluminum powders, lacquers, dry colors, etc. 185,284; Jan. 8.
Bennett-Hubbard Candy Co., Chattanooga, Tenn. Candy. 184,634; Jan. 8.
Berman, Benjamin, doing business as Stonhard Company, Cleveland, Ohio. Liquid preparation for use as a concrete hardener, foundation coating, etc. 185,286; Jan. 8.
Better Tires Company, The, Chicago, Ill. Rubber inner tubes. 184,115; Jan. 8.
Blue Diamond Materials Company, Inc., Los Angeles, Calif. Hard wall plaster, lime, etc. 178,309; Jan. 8.
Bond, Philomene, Boston, Mass. Medicine for cancer, ulcer, blindness, dry throat, catarrh, etc. 187,085; Jan. 8.
Bosch, Johann, Gesellschaft m. b. H., Fabrik für Asphalt, Dachpappe u. Teerprodukte, Vienna, Austria. Floor polishes. 177,918; Jan. 8.
Bourjois, A., & Co. Inc., New York, N. Y. Face powder. 187,709; Jan. 8.
Boyce, Wheeler & Boyce, Inc., New York, N. Y. Sweaters and knit coats. 186,824; Jan. 8.
Boyce, Wheeler & Boyce, Inc., New York, N. Y. Knit union suits, vests, etc. 186,825; Jan. 8.
Boyle, John D., New York, N. Y. Toilet powder applied to the body. 183,249; Jan. 8.
Bradley-Wise Paint Company, Los Angeles, Calif. Paints, varnishes, paint enamels, etc. 186,867; Jan. 8.
Brewer & Company, Inc., Worcester, Mass. Cod-liver oil. 184,492; Jan. 8.
Bridgetts & Co., New York, N. Y. Codfish. 187,505; Jan. 8.
Browning, Clarence P., Peconic, N. Y. Fresh eggs, honey, apple butter, etc. 182,628; Jan. 8.
Buffalo Weaving & Belting Co., Buffalo, N. Y. Cotton belting. 182,222; Jan. 8.
Button, George W., Corporation, New York, N. Y. Perfumes, toilet waters, face and talcum powders, etc. 188,294; Jan. 8.
California Glass & Paint Co., Los Angeles, Calif. Beveled plate glass, tile and sheet prism glass, rough glass, etc. 164,496; Jan. 8.
California Medicinal Co. (See Val, James L.)
Camp, Beauford R., San Francisco, Calif. Candy. 162,720; Jan. 8.
Candy-Toy Company of America, Harrisburg, Pa. Candy toys. 174,689; Jan. 8.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Liquid compounds for the prevention of freezing and boiling of water in radiators in connection with internal-combustion engines. 188,406; Jan. 8.
Cartozian Brothers, Incorporated, Portland, Oreg. Oriental rugs. 186,741; Jan. 8.
Case, Philip, doing business as Philip Case & Co., Philadelphia, Pa. Pamphlets. 187,910; Jan. 8.
Caulk, L. D., Company, The, Milford, Del. Preparation for insertion in dental cavities. 184,119; Jan. 8.
Caulk, L. D., Company, The, Milford, Del. Dental instruments. 187,063; Jan. 8.
Cave, Isabel N., Brooklyn, N. Y. Garment hangers. 181,814; Jan. 8.
Central Commercial Company, Chicago, Ill. Silicate of soda and sal soda. 186,826; Jan. 8.
Charlton & Bowen, Rolfe, Iowa. Fresh and storage eggs. 185,859; Jan. 8.
Chase, G. W., and Son Mercantile Co., St. Joseph, Mo. Candy. 176,786; Jan. 8.
Checker Hair Tonic Co. (See Allen, Mark W., & Co.)
Cheramy, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 185,564; Jan. 8.
Cheramy, Inc., New York, N. Y. Perfumes, toilet waters, face powders, etc. 186,872; Jan. 8.
Chicago Fuse Mfg. Company, Chicago, Ill. Switch boxes. 159,007; Jan. 8.
Colgate & Company, Jersey City, N. J. Liquid and powdered perfumes. 186,715; Jan. 8.
Columbia Carbon Company, The, Dayton, Ohio. Inked ribbons. 186,696; Jan. 8.
Commercial Selling Co. Inc., Brooklyn, N. Y. Sheet roofing containing asphalt. 180,525; Jan. 8.
Crescent Oil Company, Indianapolis, Ind. Cutting-tool-lubricating oil. 188,985; Jan. 8.
Croll, Jesse G., doing business as Jesse G. Croll & Son, Philadelphia, Pa. Paint enamels and ready-mixed paints. 186,587; Jan. 8.
Crystal Candy Company, Winston-Salem, N. C. Candy. 182,653; Jan. 8.
Curtis, David, doing business as De-Ce-Products Co. of New York, New York, N. Y. Local anesthetics. 186,742; Jan. 8.
Davis, Howard C., doing business as The Sanco Co., Canton, Ohio. Water-softening material. 186,777; Jan. 8.
Davis Standard Bread Company Incorporated, Los Angeles, Calif. Bread. 188,558; Jan. 8.
De-Ce-Products Co. of New York. (See Curtis, David.)
De Sanctis Caralt, Michael, New York, N. Y. Monthly publication. 188,150; Jan. 8.
Detroit Masonic Temple Association, The, Detroit, Mich. Monthly periodicals. 186,413; Jan. 8.
Dewey, H. T., & Sons Company, New York, N. Y. Emulsion of cod-liver oil and port wine, etc., for the treatment of coughs, colds, etc. 186,419; Jan. 8.
Dickey Manufacturing Company, Toledo, Ohio. Tents. 184,126; Jan. 8.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dickinson, Paul, Incorporated, Chicago, Ill. Ventilator. 187,153; Jan. 8.
Diemer, Dr. F. W., Medicine Co., Springfield, Mo. Vegetable tablets for treatment of biliousness, indigestion, etc. 188,090; Jan. 8.
Dingiroglou, John, Portland, Oreg. Burners. 183,964; Jan. 8.
Douglas & King Limited, Winnipeg, Manitoba, Canada. Soft drinks. 170,169; Jan. 8.
Duret, J. L., & Cie., Bordeaux, France. Olive oil. 179,659–62; Jan. 8.
Durkee, Charles D., & Company, Inc., New York, N. Y. Marine hardware and deck fittings. 137,827; Jan. 8.
Eagle Manufacturing Company, Wellsburg, W. Va. Oil-containing receptacles. 186,421; Jan. 8.
Eagle Paint & Varnish Works, Inc., Brooklyn, N. Y. Paint pigments. 188,473; Jan. 8.
Early, W. J., Sons Foundry Corporation, Pittsburgh, Pa. Iron castings. 185,112; Jan. 8.
East Side Packing Company, East St. Louis, Ill. Beef and pork products. 160,934; Jan. 8.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, thinners for lacquers, lacquer enamels. 156,623; Jan. 8.
Eline's Incorporated, Milwaukee, Wis. Milk chocolate. 186,117; Jan. 8.
Ellicott Machine Corporation, The, Baltimore, Md. Base-metal alloys. 185,188; Jan. 8.
Ellis, James R., Washington, D. C. Shipping containers for ice cream. 187,409; Jan. 8.
Embalmers' Supply Company, The, Westport, Conn. Concentrated cavity embalming fluid. 188,190; Jan. 8.
Emery & Freeman, Inc., Los Angeles, Calif. Fresh vegetables. 184,071; Jan. 8.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,792; Jan. 8.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 188,794; Jan. 8.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,812; Jan. 8.
Estate of Chas. F. Adams, Lancaster, Pa. Candy cough drops. 188,298; Jan. 8.
Estoma Co. (See Pierce, D. M.)
Evans, S. W., & Son, Philadelphia, Pa. Umbrella and parasol ribs. 189,995; Jan. 8.
Fahnestock Electric Co., Long Island City, N. Y. Spring binding posts, telephone test connectors, etc. 185,749; Jan. 8.
Fairchild Bros. & Foster, New York, N. Y. Preparation of cod-liver oil. 186,744; Jan. 8.
Farrelly, Joseph, doing business as Radermo Laboratories, Pelham, N. Y. Complexion cream. 185,695; Jan. 8.
Fansteel Products Company, Inc., North Chicago, Ill. Sodium tungstate and tungstic acid. 186,952; Jan. 8.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 187,921; Jan. 8.
Ferbert-Schorndorfer Company, The, West Park, Cleveland, Ohio. Paints and varnishes. 159,697; Jan. 8.
Finkelstein, Louis A., Johnstown, Pa. Anæsthetic for use in extracting teeth. 183,265; Jan. 8.
Firestone Tire and Rubber Company, Akron, Ohio. Tires. 136,120; Jan. 8.
Fischer, B., & Co., Inc., New York, N. Y. Cut or ground coffee. 185,333; Jan. 8.
Fischer, Wm., New York, N. Y. Clasp fastener for necklaces. 182,744; Jan. 8.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 183,827; Jan. 8.
Formath Company. (See Seelman, George, jr.)
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,576; Jan. 8.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,928; Jan. 8.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,930–1; Jan. 8.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,935; Jan. 8.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,937; Jan. 8.
Fort Wayne Buttoline & Coffee Company, Fort Wayne, Ind. Oleomargarine. 177,602; Jan. 8.
Fox River Farm Laboratories, Dundee, Ill. Medicine to relieve diarrheal condition in animals. 188,300; Jan. 8.
Fullrite Carbon & Ribbon Company, New York, N. Y. Carbon paper and typewriter ribbons. 169,355; Jan. 8.
G. L. P. Co. Inc., Brooklyn, N. Y. Packed olive oil. 147,874.; Jan. 8.
Gaddy, R. N., Cramerton, N. C. Preparation for indigestion, piles, Bright's disease, catarrh, etc. 188,475; Jan. 8.
Galvanic Chemical Company. (See Watkins, William C.)
Ganow, Stacy B., New York, N. Y. Saline laxative. 187,251; Jan. 8.
Gans, Simon M., doing business as Russianaise Co., New York, N. Y. Sauce. 183,913; Jan. 8.
Garneau, Jos., Co., Inc., The, New York, N. Y. Canned fish. 174,138; Jan. 8.
Gasser, M. M., Co., Duluth, Minn. Coffee. 181,482; Jan. 8.
Gem Radio Company, Brooklyn, N. Y. Radio receiving detecting, and transmitting sets and parts thereof. 170,764; Jan. 8.
General Auto Electric Company, Newark, N. J. Electric batteries. 188,043; Jan. 8.
General Leather Company, Newark, N. J. Leather. 187,737; Jan. 8.
Gerrard, Virgil M., Los Angeles, Calif. Fresh cantaloupes. 184,610; Jan. 8.
Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Laxative medicinal preparation. 184,905; Jan. 8.
Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Preparation for treatment of headache, nervousness, etc. 184,908; Jan. 8.
Giguet, Julien, Lyon, France. Hair nets. 184,939; Jan. 8.
Gill, Julius Q., doing business as Gill Railway Supply Co., Peoria, Ill. Compound for removing scale from steam boilers. 186,781; Jan. 8.
Gill, Julius Q., doing business as Gill Railway Supply Co., Peoria, Ill. Cutting oil. 186,782; Jan. 8.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 187,939; Jan. 8.
Golden Age Remedy Co., Joplin, Mo. Blood purifier. 185,656; Jan. 8.
Goldenberg's, Washington, D. C. Gold and silver jewelry, tableware, etc. 170,640; Jan. 8.
Goodman, Roy W., doing business as Goodman Oil Company, Boise, Idaho. Gasoline. 167,563; Jan. 8.
Gordon Arms, New York, N. Y. Candy. 186,705; Jan. 8.
Gosho Corporation, New York, N. Y. Raw silk. 187,940–1; Jan. 8.
H. M. Tower Corporation, West Haven, Conn. Motor trucks. 186,683; Jan. 8.
Haas-Lieber Grocery Company, St. Louis, Mo. Canned corn. 187,459; Jan. 8.
Haemozon Products Company, The. (See Stege, John R.)
Hale, Elvin M., Stockton, Calif. Pharmaceutical preparation for the treatment of colds. 185,296; Jan. 8.
Haller, Charles W., doing business as Halmo Medicine Company, Dayton, Ohio. Medicine for hay fever, burns, and running sores. 186,993; Jan. 8.
Halmo Medicine Company. (See Haller, Charles W.)
Hardy, F. A., & Company, Chicago, Ill. Lens-measuring instruments. 169,393; Jan. 8.
Hartford Tap & Gauge Company, The, Hartford, Conn. Taps. 167,129; Jan. 8.
Hays, Claude H., Union, Miss. Game. 186,055; Jan. 8.
Hazleton Macaroni Mfg. Co. (See Amerise, William.)
Herington Creamery Co. (See Johnson, Samuel B.)
Heuer, George A., Bellaire, N. Y. Shingle stain. 186,230; Jan. 8.
Hoffman, C. E., Co., Dallas, Tex. Quinine hair tonic. 178,103; Jan. 8.
Hollander, A., & Son-Arnhold Corporation, Middletown, N. Y. Fur skins. 188,117; Jan. 8.
Home Candy Company, The, Pocahontas, Iowa. Candy bar. 186,708; Jan. 8.
Hoops Limited, Toronto, Ontario, Canada. Paint product. 186,709; Jan. 8.
Hoyt's Consumers Cracker & Biscuit Corporation, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Crackers, cakes, wafers, and biscuit. 186,012; Jan. 8.
Hubert, Irving, New York, N. Y. Nail polish. 186,995; Jan. 8.
Hudnut, Richard, New York, N. Y. Sachet, tooth powder, cold cream, tooth paste, etc. 186,639; Jan. 8.
Hudnut, Richard, New York, N. Y. Skin and tissue creams, bath powders, lip rouge, etc. 186,907; Jan. 8.
Hudson Pharmacal Co. Inc., Union Hill, N. J. Pharmaceutical preparation. 186,790; Jan. 8.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, and vegetables, dried fruits, and canned fish. 186,642; Jan. 8.
Illustrated Daily News Publishing Co., Inc., Los Angeles, Calif. Comic newspaper strip. 188,269; Jan. 8.
Independent Pictures Corporation, New York, N. Y. Positive prints of motion pictures and motion-picture films. 182,309; Jan. 8.
Interstate Engineering Co., Madison, Wis. Electrotherapeutic apparatus. 174,901; Jan. 8.
Interstate Land Holding Company, The, Smartville, Calif. Fresh pears. 186,792; Jan. 8.
Isaacs, Mark, Jacksonville, Fla. Insecticides. 187,216; Jan. 8.
Italy Laboratories. (See Martino, Antonio R.)
Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 188,631; Jan. 8.
Jelenko, J. F., & Co., New York, N. Y. Dental golds. 188,371; Jan. 8.
Johnson, Samuel B., doing business as Herington Creamery Co., Herington, Kans. Butter. 187,316; Jan. 8.
Johnston-Albershart Co., The, Cincinnati, Ohio. Bond paper, white and colors. 187,741; Jan. 8.
Josmith Products Co. (See Smith, Joseph L.)
Jovis Watch Co., New York, N. Y. Watches. 186,489; Jan. 8.

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Jutras, Joseph, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada. Face powders and creams, toilet waters, rouges, perfumes, etc. 188,244–5; Jan. 8.
Kabushiki Kaisha Suzuki Shoten, Kyobashi-Ku, Tokyo, Japan. Seasonings. 170,297; Jan. 8.
Katrina, Anton, Yukon, Pa. Interchangeable rings for stovepipes. 184,467; Jan. 8.
Kaye, Frank C., New York, N. Y. Monthly magazine. 188,153; Jan. 8.
Kelly, Frank S., doing business as Kelly's Japan Polish Co., Chicago, Ill. Polish and coating for japanned, etc., surfaces. 182,155; Jan. 8.
Key Chemical Company. (See Gibbs, Malcolm G.)
Keystone American, Inc., Pittsburgh, Pa. Title of a newspaper. 187,522; Jan. 8.
Kiddie's Karnival Corporation, Eufaula, Ala. Miniature theaters, toy figures, and accessories. 187,318; Jan. 8.
Kimberly Phonograph Co. of N. J., Perth Amboy, N. J. Phonographs. 185,830; Jan. 8.
Kirkham, Elizabeth W., doing business as Trinity Drug Company, New York, N. Y. Healing ointment. 182,829; Jan. 8.
Klein, D. Emil, Co. Inc., New York, N. Y. Cigars, cigarettes, cheroots, and smoking tobacco. 184,468; Jan. 8.
Koto Trading Company, Ltd., New York, N. Y. Canned crab meat. 186,711; Jan. 8.
Krapf, Armin C., Brooklyn, N. Y. Pharmaceutical preparation used as a remedy for rheumatism. 174,209; Jan. 8.
Kress, F. J., Box Company, Pittsburgh, Pa. Wood and corrugated-paper boxes. 188,211; Jan. 8.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Ammonia and bluing. 187,223; Jan. 8.
Lake, Simon, Milford, Conn. Concrete slabs for building construction. 187,164; Jan. 8.
Langlois. (See United Drug Company.)
La Parfumerie J. Jutras. (See Jutras, Joseph.)
Lawrence-Toombs, A., & Sons, Houston, Tex. Eggs. 185,682; Jan. 8.
Laxamin Laboratories, Richmond Hill, N. Y. Laxative. 186,845; Jan. 8.
Lebanon Machine Company, Inc., The, Lebanon, N. H. Heating apparatus. 184,082; Jan. 8.
Libiach, François, Paris, France. Perfumery, toilet water, powders, etc. 178,262; Jan. 8.
Lindsay Pork Products Co., Birmingham, Ala. Pork sausage. 186,557; Jan. 8.
Lindsay Pork Products Co., Birmingham, Ala. Sausage. 186,558; Jan. 8.
Lioni Fruit & Packing Co., Inc., San Francisco, Calif. Tomato paste. 185,975; Jan. 8.
Livingston Cooperative Society, Livingston, Calif. Fresh deciduous fruits and grapes. 181,757; Jan. 8.
Los Angeles Milo Wheat Co., Glendale, Calif. Cereal food. 186,019; Jan. 8.
Lovsted, Carl M., doing business as C. M. Lovsted & Co., Seattle, Wash. Steel castings. 186,065; Jan. 8.
Lowney, Walter M., Company, Boston, Mass. Assorted chocolates. 185,481; Jan. 8.
Lyon & Healy, Inc., Chicago, Ill. Piano keyboard accordion. 187,328; Jan. 8.
McCabe, George J., doing business as McCabe Drug Co., Nekoma, N. Dak. Preparation for treatment of coughs, colds, etc. 182,477; Jan. 8.
McCully, Clement H., Brooklyn, N. Y. Medicine for the treatment of nasal catarrh, cold in the head, etc. 178,859; Jan. 8.
McKay, W. E., & Company, Incorporated, New York, N. Y. Cotton, cotton and silk, etc., piece goods. 187,169; Jan. 8.
McLaurin-Jones Co., Brookfield, Mass. Coated paper. 186,285; Jan. 8.
Macklanburg-Duncan Co., Oklahoma City, Okla. Metal weather strip. 165,299; Jan. 8.
Magnolia Cigar Co., Brooklyn, N. Y. Cigars. 148,083; Jan. 8.
Mallometer Company, Detroit, Mich. Combined sealing and stamping machines and sealing machines. 187,332; Jan. 8.
Maine Potato Growers' Exchange, Caribou, Me. Potatoes. 186,514; Jan. 8.
Manischewitz, B., Company, The, Cincinnati, Ohio. Matzos. 183,842–3; Jan. 8.
Marchiony Brothers, Inc., New York, N. Y. Ice cream, flavored ice, ice-cream cones, etc. 164,712; Jan. 8.
Marnita Chemical Co., Washington, D. C. Cough sirup. 187,115; Jan. 8.
Marranzini & Corrado, New York, N. Y. Olive oil. 161,055; Jan. 8.
Martin Products Company, San Francisco, Calif. Lubricating grease in carriage form. 166,746; Jan. 8.
Martinez, Andrés, New York, N. Y. Cream rouges. 188,249; Jan. 8.
Martino, Antonino R., doing business as Italy Laboratories, New York, N. Y. Laxative tablets. 186,066; Jan. 8.
Massachusetts Chocolate Company, Boston, Mass. Sweet-chocolate nut bar. 167,478; Jan. 8.
Medical Economics Publishing Co., New York, N. Y. Monthly magazine. 188,271; Jan. 8.
Mellen, Marion, New York, N. Y. Tapestries, brocades, embroideries, silks, cotton and linen prints in the piece. 187,754; Jan. 8.
Menaugh, Clyde, Muncie, Ind. Laxative. 185,183; Jan. 8.
Mewhinney, A. B., Co., Inc., also doing business as Mewhinney's, Terre Haute, Ind. Chocolate-coated cream peanut bar. 162,563; Jan. 8.
Michael, Stanley B., doing business as Niagara Sweetjoy Co., Buffalo, N. Y. Assorted candies and assorted chocolates. 183,661; Jan. 8.
Miller, Edward L., Buffalo, N. Y. Tonics for rebuilding and invigorating the glands of the body. 185,760; Jan. 8.
Miller-Matthews Publishing Company, Charleston, W. Va. Monthly magazine. 187,832; Jan. 8.
Modern Methods Laboratories. (See Snasdell, George D.)
Modern Pharmacal Co., Inc., New York, N. Y. Toilet preparations. 185,032; Jan. 8.
Modernola Company, Johnstown, Pa. Talking machines. 183,223; Jan. 8.
Motoyl Company, The, Tulsa, Okla. Petroleum, lubricating oils and greases. 186,387; Jan. 8.
Murphy Varnish Company, Newark, N. J. Lacquers. 188,320; Jan. 8.
National Lumber Manufacturers Association, Washington, D. C. Dressed and rough lumber. 184,414; Jan. 8.
National Products Co., Eau Claire, Wis. Chemical preparation for the treatment of the hair. 186,663; Jan. 8.
National Radioak Co. (See Smith, Robert H.)
National Refining Company, The, Cleveland, Ohio. Gasoline, lubricating, fuel, and illuminating oils, and lubricating compounds. 189,063; Jan. 8.
Nemo Circlet Company Inc., New York, N. Y. Corsets, brassières, and women's underwear. 185,837; Jan. 8.
Nev-A-Hone Razor Strop Company, New York, N. Y. Leather key purses, coin purses, and wallets. 187,587; Jan. 8.
Newbro Manufacturing Company, Atlanta, Ga. Preparation for gout, sciatica, lumbago, neuralgia, etc. 188,322; Jan. 8.
New York Belting and Packing Company, New York, N. Y. Belting. 175,321; Jan. 8.
Niagara Sweetjoy Co. (See Michael, Stanley B.)
Oleicola Tarragona, S. A., Tarragona, Spain. Olive oils. 173,938; Jan. 8.
Osaka Zosu Kabushiki Kaisha, The, Sakai, Japan. Vinegar. 184,563; Jan. 8.
Paramet Chemical Corporation, New York, N. Y. Varnish gum. 182,003; Jan. 8.
Paterson Knitting Mills Inc., Paterson, N. J. Hosiery. 185,984; Jan. 8.
Paul Rubber Co., The, Salisbury, N. C. Automobile inner tubes. 179,953; Jan. 8.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Cotton piece goods. 186,197; Jan. 8.
Pennsylvania Synthetic Gas & Chemical Company, Philadelphia, Pa. Fuels for internal-combustion engines. 162,887; Jan. 8.
Peterson, Otto, Fort Bragg, Calif. Preparation for treatment of the hands and feet, chronic eczema, etc. 185,534; Jan. 8.
Pharaoh Drapery Co., Inc., New York, N. Y. Piece goods manufactured from cotton and silk and cotton and artificial silk. 178,186; Jan. 8.
Phönix Scherenfabrik G. m. b. H., Ohligs, Germany. Safety-razor blades and hair clippers. 171,244; Jan. 8.
Phon Ola Company, Dayton, Ohio. Talking machines and phonographs. 157,729; Jan. 8.
Pierce, D. M., doing business as Estoma Co., Detroit, Mich. Medicine for the treatment of stomach, liver, and intestinal ailments. 187,266; Jan. 8.
Pioneer Products Company, The, Dayton, Ohio. Liquid shampoo and dandruff cure. 186,610; Jan. 8.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Soda ash and caustic soda. 171,510; Jan. 8.
Playground and Recreation Association of America, New York, N. Y. Monthly magazine. 188,611; Jan. 8.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 182,176; Jan. 8.
Projection Optics Co. Inc., Rochester, N. Y. Projection lenses. 187,638; Jan. 8.
Pure Oil Company, Columbus, Ohio. Gasoline. 183,229; Jan. 8.
Q. D. Curtain Company, Cleveland, Ohio. Automobile curtains and door-opening curtain rods and handles. 183,256; Jan. 8.
Radermo Laboratories. (See Farrelly, Joseph.)
Rasch & Gainor, Baltimore, Md. Window shades. 185,877; Jan. 8.
Rat-Chek Co., Inc., The, New York, N. Y. Rat poisons. 185,674; Jan. 8.
Red Wing Union Stoneware Co., Red Wing, Minn. Earthenware—namely, jars, covers, and weights. 181,697; Jan. 8.
Reed, H. H., Reedsville, W. Va. Varnish. 187,959; Jan. 8.

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Reid, E. L., Wilson, N. C. Preparation for blind stagger, etc., for cows; acute indigestion for mules and horses, etc. 185,495; Jan. 8.
Remilier Co., The, New York, N. Y. Perfumes. 186,669; Jan. 8.
Rex Chemical Co., Inc., Salem, Va., and Washington, D. C. Preparation used in the treatment of colds, pneumonia, influenza, croup, etc. 188,326; Jan. 8.
Rietz, Eduard, Sao Paulo, Brazil. Mine-run, graded, dressed, and partly-dressed zircon ores. 180,495; Jan. 8.
Robeson Process Company, New York, N. Y. Adhesive. 186,084; Jan. 8.
Rohan, Andrew, Company, Cincinnati, Ohio. Mayonnaise and salad dressing. 186,964; Jan. 8.
Ross Antenna Company, Providence, R. I. Radio antenna wire. 184,007; Jan. 8.
Ross-Tacony Crucible Company, Tacony, Philadelphia, Pa. Refractory crucibles and their parts. 187,348; Jan. 8.
Sacramento Feed and Fertilizer Company, North Sacramento, Calif. Meat scraps for poultry. 185,148; Jan. 8.
Sacramento Feed and Fertilizer Company, North Sacramento, Calif. Raw bone for poultry. 185,149; Jan. 8.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Fabrics in the piece and blankets. 160,370; Jan. 8.
Sanco Co., The. (See Davis, Howard C.)
Sanitary Textile Corporation, New York, N. Y. Sanitary napkins. 188,029; Jan. 8.
Scheminger, John, jr., Providence, R. I. Liquid-fuel burners for furnaces and boiler fire boxes. 184,766; Jan. 8.
Schmidt & Ault Paper Co., York, Pa. Indented paper carpet lining. 183,504; Jan. 8.
Schmidt, Robert, Berlin, Germany. Bleaching preparations, mordants, acids, codein tablets, etc. 167,424; Jan. 8.
Schrack, C., & Co., Philadelphia, Pa. Varnishes. 189,075; Jan. 8.
Schutter-Johnson Candy Co., Chicago, Ill. Bar candy. 171,185; Jan. 8.
Schuylkill Chemical Company, The, Philadelphia, Pa. Peroxide of hydrogen. 183,012; Jan. 8.
Scott Gas Appliance Company, Washington, D. C. Gas stoves. 184,041; Jan. 8.
Seattle Tent & Awning Co., Seattle, Wash. Tents, hatch covers, and covering sheets. 188,066; Jan. 8.
Seelman, George, jr., doing business as Formath Company, Milwaukee, Wis. Antiseptic for mouth wash and general toilet use. 185,500; Jan. 8.
Seward Trunk and Bag Company, doing business as Autorobe Trunk Co., Petersburg, Va. Wardrobe trunks. 188,277; Jan. 8.
Siemon & Elting, New York, N. Y. Wash blue. 183,947; Jan. 8.
Simpson, William, Sons & Co., Philadelphia, Pa. Cotton, cotton and silk, cotton and wool goods in the piece. 185,537; Jan. 8.
Sinclair, Louise, Galveston, Tex. Toffee and candies. 187,231; Jan. 8.
Smith, Joseph L., doing business as Josmith Products Co., Denver, Colo. Paste—namely, a lubricant to assist in placing and displacing plates, etc. 181,222; Jan. 8.
Smith, Robert H., doing business as National Radioak Co., San Francisco, Calif. Radioactive water for treatment of hardening of the arteries, high blood pressure, etc. 168,559; Jan. 8.
Smith, S. A., Company, The, Gary, Ind. Canned goods. 179,335; Jan. 8.
Snasdell, George D., doing business as Modern Methods Laboratories, Chicago, Ill. Depilatory and superfluous-hair remover. 181,024; Jan. 8.
Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles, boats, etc. 184,306; Jan. 8.
Société Anonyme du Loden Français, Paris, France. Waterproof coats. 185,501; Jan. 8.
Soter, F. & E., Corporation, Brooklyn, N. Y. Cigarettes. 181,870; Jan. 8.
Sparks, Frederick L., Meriden, Conn. Wheat and rye flour and breakfast cereals. 174,270; Jan. 8.
Standard Laboratories, Des Moines, Iowa. Aspirin. 166,610; Jan. 8.
Standard Oil Company, (New Jersey), Bayonne, N. J. Gasoline. 183,675; Jan. 8.
Standard Oil Company of New York, New York, N. Y. Medicinal oils. 188,382; Jan. 8.
Standard Oil Company of New York, New York, N. Y. Dry, paste, and ready-mixed paints, varnishes, etc. 188,384; Jan. 8.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, and face powder. 188,222; Jan. 8.
Stege, John R., doing business as The Haemozon Products Company, West Bend, Wis. Preparation for treatment of diseases resulting from faulty metabolism, etc. 184,992; Jan. 8.
Steinberg & Linden, New York, N. Y. Dresses, suits, and coats. 185,799; Jan. 8.
Stonhard Company. (See Berman, Benjamin.)
Sun-Herald Corporation, The, New York, N. Y. Serial sporting-column or section. 187,700; Jan. 8.
Superheater Company, The, Wilmington, Del., and New York, N. Y. Boiler feed pumps and feed-water heaters. 188,282; Jan. 8.
Swartz, Milton D., doing business as Baltimore Water Paint Company, Baltimore, Md. Wall sizes. 186,809; Jan. 8.
Sziber, Steve A. D., New York, N. Y. Medicine for tuberculosis, diphtheria, purification of blood, and prolongation of life. 185,640; Jan. 8.
Texas Sugar Refining Company, Texas City, Tex. Granulated sugar. 185,388; Jan. 8.
Thacher Medicine Company, Chattanooga, Tenn. Liver and blood sirup. 186,641; Jan. 8.
Thompson, Joseph N., doing business as George Thompson & Son, New York, N. Y. Oysters in the shell. 179,751; Jan. 8.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Lubricating oils. 187,395–6; Jan. 8.
Tonsilo Company. (See Wilson, C. Lewis.)
Tork Company, Inc., New York, N. Y. Clocks for operating electric switches. 178,074; Jan. 8.
Trinity Drug Company. (See Kirkham, Elisabeth W.)
Tropical Preserving Co., Los Angeles, Calif. Jams, jellies, fruit preserves, mincemeat. 186,939; Jan. 8.
Truempy, Faesy & Besthoff, Inc., New York, N. Y. Chemicals. 182,943; Jan. 8.
Tuska, C. D., Company, The, Hartford, Conn. Radio transmitting and receiving sets and parts thereof. 185,770; Jan. 8.
Twin City Brick Company, St. Paul, Minn. Certain type of brick. 179,417; Jan. 8.
Ungerer & Company, Inc., New York, N. Y. Attar of roses, also known as oil of roses. 187,886; Jan. 8.
Unique Reproduction Co. Inc., New York, N. Y. Phonograph reproducers. 178,454; Jan. 8.
United Drug Company, doing business as Langlois, Boston, Mass. Perfumes and toilet waters. 184,870; Jan. 8.
Val, James L., doing business as California Medicinal Wine Co., also doing business as Val Brothers, Los Angeles, Calif. Wine bitters and tonic. 176,232; Jan. 8.
Van Iderstine Company, The, Long Island City, N. Y. Poultry feed, digester tankage, and raw-bone meal. 187,498; Jan. 8.
Vegetable Exchange of California, Inc., San Francisco, Calif. Fresh tomatoes. 185,943; Jan. 8.
Virginia Supply Company, Roanoke, Va. Men's shoes, gloves, socks, shirts, overalls, and underwear. 177,638; Jan. 8.
Walentovic, John, Verona, Pa. Supports in chimneys for stovepipes of different diameters. 180,307; Jan. 8.
Waltham Watch & Clock Company, Waltham, Mass. Watches. 188,078; Jan. 8.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfume and toilet water. 186,329; Jan. 8.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes. 187,235; Jan. 8.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes, toilet waters, and face powders. 187,801; Jan. 8.
Ward Baking Company, New York, N. Y. Bread. 187,706; Jan. 8.
Watkins, William C., doing business as Galvanic Chemical Company, St. Louis, Mo. Tooth paste. 186,733; Jan. 8.
Watson Company, The, Attleboro, Mass. Silver hollow ware and flatware. 181,711; Jan. 8.
Waymire, Benjamin F., Turloch, Calif. Fresh cantaloupes. 184,109; Jan. 8.
Wechsler Barber Silk Co., Inc., New York, N. Y. Silk piece goods. 187,904; Jan. 8.
Western Electric Company, Incorporated, New York, N. Y. Nickel-iron alloys of high magnetic permeability. 172,248; Jan. 8.
Wiesenmeyer, Charles F., Springfield, Ill. Automobile chains. 179,021; Jan. 8.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 186,767; Jan. 8.
Williamson, Henry J., Cades, S. C. Medicine for diseases of the lungs and throat. 186,342; Jan. 8.
Willis Norton & Co., North Topeka, Kans. Wheat flour. 187,275; Jan. 8.
Wilson, C. Lewis, doing business as Tonsilo Company, Parkersburg, W. Va. Preparation for sore throat and tonsilitis. 182,380; Jan. 8.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 188,080; Jan. 8.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 188,082; Jan. 8.
Winchester Repeating Arms Company, New Haven, Conn. Ice skates, roller skates, and parts thereof. 187,181; Jan. 8.
Winston, Harper, Fisher Company, Minneapolis, Minn. Salt, baking soda, starch, lye, etc. 187,237; Jan. 8.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper, paper towels, and paper napkins. 186,533; Jan. 8.

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Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 169,193; Jan. 8.
Yardley & Co., Ltd., New York, N. Y. Face powders. 188,260; Jan. 8.
Yore, George J., doing business as Bag-O-Heat Company, Not Inc., Chicago, Ill. Heating pads. 187,183; Jan. 8.
Zarbaugh, Lyman, doing business as All-in-One Company, Toledo, Ohio. Tooth-powder tablets. 188,142; Jan. 8.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Berwind Fuel Company. 178,161; Jan. 8; Serial No. 183,622; published Oct. 30, 1923.
Coal and coke. Bell & Zoller Coal and Mining Company. 178,450; Jan. 8.
Ferns. Zellwood Fern Growers Association. 178,377; Jan. 8; Serial No. 181,049; published Oct. 30, 1923.
Hides, skins, tallow, and wool. Wilcox Moffin Limited. 178,200; Jan. 8; Serial No. 171,113; published Oct. 23, 1923.
Paper pulp. St. Maurice Paper Company. 178,352; Jan. 8; Serial No. 164,724; published Oct. 23, 1923.
Rock. B. F. Williamson. 178,162; Jan. 8; Serial No. 183,727; published Oct. 30, 1923.
Wool. O. N. Purdy, jr. 178,380; Jan. 8; Serial No. 181,774; published Oct. 30, 1923.

CLASS 2.

Bags, Paper. Zellerbach Paper Company. 178,428; Jan. 8.
Baskets. Warsaw Basket Company. 178,424; Jan. 8.
Containers used for candy, lunch, workboxes, etc., Metal. T. B. Lamb. 178,417; Jan. 8; Serial No. 180,227; published Oct. 30, 1923.
Music-note-roll ribbons and sheets, Boxes for. Philippe Aktien-Gesellschaft. 178,097; Jan. 8; Serial No. 150,287; published Oct. 23, 1923.
Receptacles. J. C. Dowd & Co. 178,134; Jan. 8; Serial No. 183,469; published Oct. 23, 1923.
Tanks, Storage. M. & V. Tank Company. 178,236; Jan. 8; Serial No. 183,527; published Oct. 30, 1923.
Toothbrush holder. I. G. Speidel. 178,270; Jan. 8; Serial No. 178,679; published Oct. 30, 1923.

CLASS 3.

Musical instruments, Removable covers for. Periberg & Halpin. 178,423; Jan. 8.
Traveling bags, suitcases, brief cases, and trunks. Laitman & Laitman. 178,234; Jan. 8; Serial No. 183,578; published Oct. 30, 1923.
Trunks. L. Knell. 178,278; Jan. 8; Serial No. 184,914; published Oct. 30, 1923.

CLASS 4.

Belt-dressing, neat's-foot oil, and razor strop. Baker, Hamilton & Pacific Company. 178,153; Jan. 8; Serial No. 184,955; published Oct. 16, 1923.
Cleaner, Dry. J. A. Ford. 178,163; Jan. 8; Serial No. 183,795; published Oct. 16, 1923.
Cleansing preparation, laundry soap, and soap chips. General household. E. C. Roberts. 178,366; Jan. 8; Serial No. 176,270; published Oct. 16, 1923.
Lubricator or dressing, Leather. P. Edwards. 178,379; Jan. 8; Serial No. 182,237; published Oct. 16, 1923.
Pastes, powders, cloth grinding wheels, paper, rouge, soap, polishing bricks, etc., Abrasive. W. L. Kann. 178,364; Jan. 8; Serial No. 178,329; published Mar. 20, 1923.
Petroleum product. Snowolene Holding Company. 178,158; Jan. 8; Serial No. 184,668; published Oct. 16, 1923.
Polish and dressing, Shoe. F. F. Dalley Company. 178,166; Jan. 8; Serial No. 183,200; published Oct. 16, 1923.
Polish and dressing, Shoe. F. F. Dalley Company. 178,165; Jan. 8; Serial No. 183,140; published Oct. 16, 1923.
Preparation adapted to be applied to brake bands, brake drums, clutches, belts, etc. Renovatol Company. 178,169; Jan. 8; Serial No. 182,673; published Oct. 16, 1923.
Preparation for cleansing and bleaching toilet bowls. United Chemical Companies. 178,374; Jan. 8; Serial No. 180,726; published Oct. 16, 1923.
Pumice stone. James H. Rhodes & Company. 178,164; Jan. 8; Serial No. 182,858; published Oct. 16, 1923.
Pumice stone. James H. Rhodes & Company. 178,171–2; Jan. 8; Serial Nos. 182,856–7; published Oct. 16, 1923.
Razor strops and hones. Union Cutlery Co. 178,381; Jan. 8; Serial No. 181,628; published Oct. 16, 1923.
Scouring preparation, General. H. E. Hoffmaster. 178,382; Jan. 8; Serial No. 164,107; published Oct. 16, 1923.
Shoe and leather preservative and dressing. Portage Shoe Mfg. Company. 178,156; Jan. 8; Serial No. 184,294; published Oct. 16, 1923.
Soap. J. Eavenson & Sons Incorporated. 178,167; Jan. 8; Serial No. 183,263; published Oct. 16, 1923.
Soap. Lever Brothers Company. 178,170; Jan. 8; Serial No. 182,855; published Oct. 16, 1923.
Soap. J. A. McDermott. 178,159; Jan. 8; Serial No. 183,309; published Oct. 16, 1923.
Soap, Liquid. Huntington Laboratories Inc. 178,155; Jan. 8; Serial No. 184,733; published Oct. 16, 1923.
Soap, Hard-water. Furst-McNess Company. 178,168; Jan. 8; Serial No. 183,266; published Oct. 16, 1923.
Soap, Liquid. Huntington Laboratories, Inc. 178,157; Jan. 8; Serial No. 184,732; published Oct. 16, 1923.
Soap paste. F. Hinton. 178,376; Jan. 8; Serial No. 181,396; published Oct. 16, 1923.
Soap, Toilet. Crofts & Reed Co. 178,363; Jan. 8; Serial No. 160,115; published June 6, 1922.
Soaps. Hygienic Manufacturing Company. 178,375; Jan. 8; Serial No. 181,400; published Oct. 16, 1923.
Soaps, cleaning and scouring powders. Commonwealth Color and Chemical Co. 178,368; Jan. 8; Serial No. 179,858; published July 24, 1923.
Washing powder. E. B. Rose Co. 178,365; Jan. 8; Serial No. 173,212; published Oct. 16, 1923.

CLASS 5.

Gums and sizings, Adhesive. Commonwealth Color & Chemical Co. 178,370; Jan. 8; Serial No. 179,361; published Oct. 2, 1923.

CLASS 6.

Antiseptic, Liquid. S. M. Heldfond. 178,343; Jan. 8; Serial No. 181,278; published Oct. 23, 1923.
Baking powder and cream of tartar. Reid, Murdock & Co. 178,357; Jan. 8; Serial No. 163,177; published Dec. 26, 1922.
Bleaching blue, auxiliary dyeing agents, etc. Commonwealth Color & Chemical Co. 178,373; Jan. 8; Serial No. 179,362; published Sept. 18, 1923.
Blue, Laundry. Gartside's Iron Rust Soap Co. 178,403; Jan. 8; Serial No. 180,534; published Oct. 23, 1923.
Chemical composition. R. B. Frye. 178,400; Jan. 8; Serial No. 182,340; published Oct. 16, 1923.
Cream, vanishing cream, face powder, etc., Facial-pack cold. Crown Chemical Company. 178,257; Jan. 8; Serial No. 176,669; published Oct. 23, 1923.
Dandruff remedy and hair dressing. J. Betaro. 178,129; Jan. 8; Serial No. 182,225; published Oct. 16, 1923.
Disinfectants. J. B. Kori. 178,334; Jan. 8; Serial No. 181,013; published Oct. 23, 1923.
Electrolytes. Philadelphia Storage Battery Co. 178,335; Jan. 8; Serial No. 180,942; published Oct. 23, 1923.
Eye remedy preparation for the treatment of sore, granulated, inflamed, etc., conditions of the eye or lids. E. W. Smith. 178,411; Jan. 8; Serial No. 179,686; published Oct. 23, 1923.
Facial pack. Crown Chemical Company. 178,258; Jan. 8; Serial No. 176,670; published Oct. 23, 1923.
Formaldehyde. Perth Amboy Chemical Works. 178,344; Jan. 8; Serial No. 181,410; published Oct. 23, 1923.
Hair grower. E. M. N. Coles. 178,395; Jan. 8; Serial No. 182,400; published Oct 30, 1923.
Hair and massage cream, Herb. W. Singh. 178,214; Jan. 8; Serial No. 145,923; published Oct. 23, 1923.
Hair tonic, Liquid. G. Della Porta. 178,327; Jan. 8; Serial No. 182,522; published Oct. 23, 1923.
Inunction for the treatment of rheumatism. "Smallex." 178,227; Jan. 8; Serial No. 154,155; published Oct. 23, 1923.
Laxative chewing gum. Joseph Triner Company. 178,318; Jan. 8; Serial No. 182,628; published Oct. 30, 1923.
Laxative nutrient. Virol, Limited. 178,217; Jan. 8; Serial No. 139,874; published Nov. 28, 1922.
Medical compound for relief of lung diseases, etc. M. Talento. 178,222; Jan. 8; Serial No. 153,419; published Oct. 23, 1923.
Medicated oil. Tallerday Medicine Company. 178,323; Jan. 8; Serial No. 182,623; published Oct. 30, 1923.
Medicinal preparation. J. A. Parr. 178,388; Jan. 8; Serial No. 182,430; published Oct. 16, 1923.
Medicinal preparation. G. Yeager. 178,409; Jan. 8; Serial No. 179,762; published Oct. 23, 1923.
Medicinal preparation for treatment of burns, cuts, etc. Louvon Laboratory. 178,127; Jan. 8; Serial No. 182,250; published Oct. 23, 1923.
Medicinal preparations. Red Foot Products Company. 178,406; Jan. 8; Serial No. 179,742; published Oct. 23, 1923.
Oil and raisin juice, Emulsion of pure olive. Pickaninny Company. 178,131; Jan. 8; Serial No. 182,228; published Oct. 16, 1923.

Perfume, toilet waters, face powders, etc. E. Beecham. 178,201; Jan. 8; Serial No. 170,362; published Oct. 23, 1923.
Perfumes, sachets, toilet waters, etc. John Wanamaker, New York. 178,399; Jan. 8; Serial No. 182,321; published Oct. 23, 1923.
Perfumes, toilet water, face powder, etc. Societe Francaise des Produits de Beaute. 178,398; Jan. 8; Serial No. 182,385; published Oct. 16, 1923.
Pharmaceutical preparations. S. J. Malloy. 178,328; Jan. 8; Serial No. 182,544; published Oct. 23, 1923.
Phloridzin preparation. Schering & Glatz, Inc. 178,120; Jan. 8; Serial No. 182,270; published Oct. 23, 1923.
Preparation for the extermination of flies and mosquitoes. Joseph Tyner Company. 178,317; Jan. 8; Serial No. 182,627; published Oct. 30, 1923.
Preparation for the treatment of piles. S. M. Erbar. 178,254; Jan. 8; Serial No. 176,734; published Oct. 23, 1923.
Preparation for treatment of pyorrhea. S. B. Abbott. 178,387; Jan. 8; Serial No. 182,491; published Oct. 23, 1923.
Preparation for use in treating diphtheria, etc. L. Frasher. 178,130; Jan. 8; Serial No. 182,241; published Oct. 23, 1923.
Preparation for use in treating the scalp and promoting the growth of hair. J. A. Dickson. 178,391; Jan. 8; Serial No. 182,403; published Oct. 30, 1923.
Rouges, face powders, compact, etc. A. Schneider. 178,336; Jan. 8; Serial No. 180,895; published Oct. 23, 1923.
Salt. Remington Salt Company. 178,124; Jan. 8; Serial No. 182,317; published Oct. 16, 1923.
Salt cake. Graham, Rowe & Company. 178,397; Jan. 8; Serial No. 182,375; published Oct. 16, 1923.
Salve and mud pack and mud-pack beautifier, Mud. Asp Faysol Company. 178,396; Jan. 8; Serial No. 182,372; published Oct. 16, 1923.
Salve, Medicinal. Mentho Sulphur Company. 178,392; Jan. 8; Serial No. 182,429; published Oct. 30, 1923.
Sulphur. San Joaquin Grocery Co. 178,118; Jan. 8; Serial No. 182,267; published Oct. 23, 1923.
Toilet preparation for the skin. Sandra Laboratories, Inc. 178,386; Jan. 8; Serial No. 182,486; published Oct. 23, 1923.
Toilet preparations. I. Blue. 178,434; Jan. 8.

CLASS 7.

Cords, twines, ropes, and lines. Highland Cordage Company. 178,140; Jan. 8; Serial No. 185,583; published Oct. 23, 1923.
Wire rope. John A. Roebling's Sons Co. 178,147; Jan. 8; Serial No. 185,380; published Oct. 23, 1923.

CLASS 8.

Smokers' articles. Wilkinson Bros. & Co. 178,438; Jan. 8.

CLASS 10.

Plaster, Land. United States Gypsum Company. 178,326; Jan. 8; Serial No. 167,588; published Oct. 30, 1923.

CLASS 12.

Building stone, limestone, lime, cement, etc. J. J. Briggs. 178,261; Jan. 8; Serial No. 176,665; published Oct. 23, 1923.
Cement, High-temperature. Wahl Refractory Products Co. 178,305; Jan. 8; Serial No. 183,014; published Oct. 23, 1923.
Cement products. Paragon Cement Products Co. 178,333; Jan. 8; Serial No. 180,809; published Oct. 23, 1923.
Lumber, laths, moldings, sidings. Pelican Bay Lumber Company. 178,405; Jan. 8; Serial No. 180,079; published Oct. 23, 1923.
Pipes and conduits, columns, etc., Clay, tile, and terra-cotta. "Prodor" Fabrique de Produits Organiques S. A. 178,204; Jan. 8; Serial No. 171,954; published Oct. 23, 1923.
Roofing and building paper, tar in plastic form, waterproofing cement, etc. Denver Gas and Electric Light Company. 178,213; Jan. 8; Serial No. 119,973; published Oct. 23, 1923.
Roofing materials, composition flooring, stucco, artificial stone. Mineral Products, Inc. 178,413; Jan. 8; Serial No. 180,382; published Oct. 23, 1923.
Roofing slate, floors, stairs, etc. P. L. Stueber. 178,462; Jan. 8.
Roofs, Composition for coating. Paraffine Companies. 178,196; Jan. 8; Serial No. 161,450; published Oct. 23, 1923.
Stucco. Granitface Company. 178,202; Jan. 8; Serial No. 170,252; published Oct. 23, 1923.
Wall boards. F. M. Dering. 178,324; Jan. 8; Serial No. 182,571; published Oct. 23, 1923.

CLASS 13.

Butts, hinges, latches, etc. Stanley Works. 178,322; Jan. 8; Serial No. 182,619; published Oct. 16, 1923.
Car window and vestibule equipment, Railway. National Lock Washer Company. 178,435; Jan. 8.
Chains, Drive. Howe Chain Company. 178,179; Jan. 8; Serial No. 183,834; published Oct. 16, 1923.
Culverts and well curbing, Metal. North Dakota Metal Culvert Co. 178,197; Jan. 8; Serial No. 160,021; published Oct. 30, 1923.
Door knockers, numbers, flap hinges, etc. Greene, Tweed & Co. 178,384; Jan. 8; Serial No. 182,514; published Oct. 30, 1923.
Hinges. Stanley Works. 178,250; Jan. 8; Serial No. 184,218; published Oct. 16, 1923.
Hinges. Stanley Works. 178,288; Jan. 8; Serial No. 184,220; published Oct. 16, 1923.
Hinges. Stanley Works. 178,251; Jan. 8; Serial No. 184,219; published Oct. 16, 1923.
Kitchen utensils. Aluminum Sales Co. 178,216; Jan. 8; Serial No. 142,379; published Oct. 23, 1923.
Metal fasteners. W. E. Morgan. 178,181; Jan. 8; Serial No. 183,310; published Oct. 16, 1923.
Pipe, Brass. Chase Companies. 178,192; Jan. 8; Serial No. 183,250; published Oct. 16, 1923.
Saucepans, roasters, casseroles, waffle molds, etc., Aluminum. Club Aluminum Company. 178,133; Jan. 8; Serial No. 182,087; published Oct. 16, 1923.
Soap dispensers and towel racks, Combination liquid-. W. F. Findley. 178,256; Jan. 8; Serial No. 175,239; published Oct. 30, 1923.
Tubing, Nonferrous metal. Mueller Metals Company. 178,228; Jan. 8; Serial No. 156,103; published Oct. 16, 1923.
Valves, nozzles, etc. William Cramp & Sons Ship & Engine Building Co. 178,437; Jan. 8.
Washtub covers, Enameled-metal. New York Vitreous Enamel Products Corporation. 178,260; Jan. 8; Serial No. 176,643; published Oct. 30, 1923.

CLASS 14.

Aluminum and aluminum-base alloys. Aluminum Company of America. 178,329; Jan. 8; Serial No. 180,679; published Oct. 30, 1923.
Castings of nonferrous metals. Mueller Metals Company. 178,178; Jan. 8; Serial No. 183,662; published Oct. 16, 1923.
Iron and steel. Republic Iron & Steel Company. 178,246; Jan. 8; Serial No. 183,994; published Oct. 23, 1923.
Magnesium and magnesium alloys. American Magnesium Corporation. 178,382; Jan. 8; Serial No. 182,492; published Oct. 23, 1923.
Metals and alloys, ingots, castings, etc. Anaconda Copper Mining Company. 178,353; Jan. 8; Serial No. 165,112; published Oct. 23, 1923.
Metals, Ferrous. Duncan MacKenzie's Sons Co. 178,401; Jan. 8; Serial No. 182,352; published Oct. 23, 1923.
Shims and shim stock. Laminated Shim Company. 178,113; Jan. 8; Serial No. 178,617; published Oct. 16, 1923.
Welding metal. James H. Herron Company. 178,182–3; Jan. 8; Serial Nos. 183,449–50; published Oct. 16, 1923.

CLASS 15.

Candles. Standard Oil Company. 178,098; Jan. 8; Serial No. 165,831; published Oct. 23, 1923.
Candles. Standard Oil Company. 178,101–2; Jan. 8; Serial Nos. 165,832–3; published Oct. 23, 1923.
Gasoline. Pure Oil Co. 178,099; Jan. 8; Serial No. 164,008; published Oct. 23, 1923.
Gasoline, lubricating oils, and greases. C. C. Julian. 178,142–3; Jan. 8; Serial Nos. 184,403–4; published Oct. 23, 1923.
Gasoline, kerosene, benzine, petroleum, etc. Sunfield Company. 178,249; Jan. 8; Serial No. 183,806; published Oct. 30, 1923.
Grease, Lubricating. Battenfeld Grease & Oil Company. 178,279; Jan. 8; Serial No. 184,929; published Oct. 30, 1923.
Kerosene. Associated Oil Company. 178,109; Jan. 8; Serial No. 177,064; published Oct. 23, 1923.
Lubricant for machinery. Benzo-Gas Motor Fuel Company. 178,104; Jan. 8; Serial No. 167,512; published Oct. 23, 1923.
Oil, Cylinder. Standard Oil Company. 178,175; Jan. 8; Serial No. 184,309; published Oct. 23, 1923.
Oil, Lubricating motor. Kentucky Independent Oil Co. 178,174; Jan. 8; Serial No. 184,285; published Oct. 23, 1923.
Oils and greases, Lubricating. A. W. Harris Oil Company. 178,194; Jan. 8; Serial No. 158,084; published Oct. 30, 1923.
Oils, etc., Fuel, lighting, heating and lubricating. Commonwealth Color & Chemical Co. 178,372; Jan. 8; Serial No. 179,359; published Oct. 2, 1923.
Oils, Petroleum and slab. Northwestern Bakers & Confectioners Co. 178,185; Jan. 8; Serial No. 181,857; published Oct. 23, 1923.

CLASS 16.

Carbon black. Standard Carbon Company. 178,187; Jan. 8; Serial No. 181,917; published Oct. 23, 1923.
Cleaning and polishing materials. W. H. Phelps. 178,264; Jan. 8; Serial No. 175,369; published Oct. 30, 1923.
Colors, etc., Paint. Commonwealth Color & Chemical Co. 178,371; Jan. 8; Serial No. 179,360; published Oct. 16, 1923.
Colors, Water. American Crayon Company. 178,138; Jan. 8; Serial No. 184,488; published Oct. 23, 1923.

Filler, Transparent gum. Peerless Finishing Co. 178,218; Jan. 8; Serial No. 150,928; published Oct. 30, 1923.
Floor finishing and maintenance preparations, Liquid. Scofield, Evans and Company. 178,186; Jan. 8; Serial No. 181,914; published Oct. 23, 1923.
Gum, Synthetic. A. Klepstein and Company. 178,453; Jan. 8.
Oil, Animal, fish, and vegetable. Cook & Swan Company. 178,115; Jan. 8; Serial No. 179,658; published Oct. 23, 1923.
Oil and other oils and polishes, Lemon. Lovell Oil Company. 178,243; Jan. 8; Serial No. 183,713; published Oct. 30, 1923.
Paint and varnish removers. General Paint and Varnish Company. 178,294; Jan. 8; Serial No. 183,281; published Oct. 30, 1923.
Paint, enamels, flat wall finish, and varnishes. General Paint and Varnish Company. 178,299; Jan. 8; Serial No. 183,275; published Oct. 30, 1923.
Paint, Flat wall. General Paint and Varnish Company. 178,298; Jan. 8; Serial No. 183,274; published Oct. 30, 1923.
Paint, lacquer, powder, and casting composition, Metal. Metalon Products Corporation. 178,180; Jan. 8; Serial No. 184,088; Oct. 23, 1923.
Paints and anticorrosive solutions. S. A. Day Manufacturing Company. 178,149; Jan. 8; Serial No. 184,601; published Oct. 23, 1923.
Paints, mineral spirits, etc. Barber Asphalt Paving Company. 178,108; Jan. 8; Serial No. 168,349; published Oct. 23, 1923.
Paints, paint enamels, and stains. General Paint and Varnish Company. 178,302; Jan. 8; Serial No. 183,271; published Oct. 30, 1923.
Paints, varnishes, etc. G. A. Combs. 178,176; Jan. 8; Serial No. 183,554; published Oct. 23, 1923.
Polish, Furniture and automobile. A. J. Pesci. 178,106; Jan. 8; Serial No. 169,776; published Oct. 23, 1923.
Polish for automobiles, furniture, etc. Red Chief Polish Manufacturing Company. 178,105; Jan. 8; Serial No. 166,264; published Oct. 23, 1923.
Polish, Lemon-oil. General Paint and Varnish Company. 178,297; Jan. 8; Serial No. 183,280; published Oct. 30, 1923.
Polishes for painted, etc., surfaces. G. T. Murphy. 178,451; Jan. 8.
Polishes, Wax. Cantol Wax Company. 178,148; Jan. 8; Serial No. 184,498; published Oct. 23, 1923.
Putty, Compound to be used in place of red-lead. Gold Medal Water-Proofing Co. 178,107; Jan. 8; Serial No. 168,882; published Oct. 23, 1923.
Varnish. J. C. Dolph Company. 178,112; Jan. 8; Serial No. 178,716; published Oct. 23, 1923.
Varnish for the cementing of linoleums, etc. General Paint and Varnish Company. 178,296; Jan. 8; Serial No. 183,279; published Oct. 30, 1923.
Varnishes and stains. General Paint and Varnish Company. 178,293; Jan. 8; Serial No. 183,282; published Oct. 30, 1923.
Wall finish, Flat. General Paint and Varnish Company. 178,295; Jan. 8; Serial No. 183,276; published Oct. 30, 1923.
Whiting. Grangers Manufacturing Co. 178,125–6; Jan. 8; Serial Nos. 182,242–3; published Oct. 30, 1923.

CLASS 17.

Cigarettes, cigars, smoking tobacco. General Tobacco Company. 178,093; Jan. 8; Serial No. 184,335; published Oct. 30, 1923.
Cigarettes, cigars, smoking tobacco. General Tobacco Company. 178,095–6; Jan. 8; Serial Nos. 184,332–3; published Oct. 30, 1923.
Cigars. Field Cigar Corporation. 178,369; Jan. 8; 177,176; published Oct. 30, 1923.
Cigars. Judge & Nagle. 178,123; Jan. 8; Serial No. 182,311; published Oct. 23, 1923.
Cigars. Lincoln Brothers. 178,290; Jan. 8; Serial No. 184,342; published Oct. 23, 1923.
Cigars. M. W. Lloyd. 178,145; Jan. 8; Serial No. 185,302; published Oct. 23, 1923.
Tobacco. J. G. Flynt Tobacco Co. 178,177; Jan. 8; Serial No. 183,563; published Oct. 23, 1923.
Tobacco, cigarettes, cigars. Steinmeyer Brothers. 178,436; Jan. 8.
Tobacco products. E. A. Kline. 178,321; Jan. 8; Serial 182,591; published Oct. 23, 1923.

CLASS 19.

Automobile radiators. Opits Manufacturing Company. 178,208; Jan. 8; Serial No. 172,291; published Oct. 23, 1923.
Cars and trucks. Custer Specialty Company. 178,432; Jan. 8.
Shock absorber, Automobile. Houdaille Company. 178,359; Jan. 8; Serial No. 161,626; published Oct. 23, 1923.
Shock absorber, Automobile. Houdaille Company. 178,361; Jan. 8; Serial No. 161,625; published Oct. 23, 1923.
Tire carriers. Packard Motor Car Company of New York. 178,385; Jan. 8; Serial No. 182,521; published Oct. 23, 1923.
Vehicle bodies, Commercial motor-. U. S. Hame Company. 178,330; Jan. 8; Serial No. 180,638; published Oct. 23, 1923.

CLASS 22.

Balls and golf-stick grips, Golf. Marathon Tire & Rubber Company. 178,219; Jan. 8; Serial No. 149,922; published Oct. 23, 1923.
Balls, bats, etc. Maurice Rapoport & Co. 178,237; Jan. 8; Serial No. 183,502; published Oct. 23, 1923.
Balls, Golf. W. Hill. 178,265; Jan. 8; Serial No. 175,393; published Oct. 23, 1923.
Fishing-rod mountings. W. W. Mildrum Jewel Co. 178,308; Jan. 8; Serial No. 183,489; published Oct. 23, 1923.
Game similar to tennis, Net. C. T. Shaffer. 178,307; Jan. 8; Serial No. 183,000; published Oct. 23, 1923.
Golf clubs. Cuthbert S. Butchart Company. 178,199; Jan. 8; Serial No. 168,453; published Oct. 23, 1923.
Golf clubs and golf-club heads. Yardsmore Golf Club Manufacturing Company. 178,206; Jan. 8; Serial No. 173,268; published Oct. 23, 1923.
Toy fixtures of all kinds, Fabric. Schreyer & Co. 178,406; Jan. 8; Serial No. 179,824; published Oct. 23, 1923.
Toys. Eleanor P. Vance and Charlotte L. Yale. 178,132; Jan. 8; Serial No. 182,080; published Oct. 23, 1923.

CLASS 23.

Agricultural implements. Markt & Hammacher Company. 178,205; Jan. 8; Serial No. 171,277; published Oct. 30, 1923.
Air compressors and air and water stands. Champion Pneumatic Machinery Company. 178,235; Jan. 8; Serial No. 183,553; published Oct. 30, 1923.
Balls, Grinding. Bonney-Floyd Co. 178,355; Jan. 8; Serial No. 164,221; published Oct. 30, 1923.
Bellows. W. H. Foote. 178,447; Jan. 8.
Bottle filling and capping machines and dairy machinery. H. H. Miller Industries Company. 178,134; Jan. 8; Serial No. 182,168; published Oct. 30, 1923.
Cake-ornamenting and tin pastry tubes, etc. August Thomsen & Co. 178,277; Jan. 8; Serial No. 185,389; published Oct. 30, 1923.
Check-indorsing machines. International Postal Supply Company of New York. 178,463; Jan. 8.
Condensers, pumps, etc. Alberger Pump and Condenser Company. 178,464; Jan. 8.
Cylinder heads. Automatic Bearing Machine Co. 178,244; Jan. 8; Serial No. 183,686; published Oct. 30, 1923.
Drills. Percussive. Sullivan Machinery Company. 178,444; Jan. 8.
Engines, Internal-combustion. Chandler Motor Car Company. 178,203; Jan. 8; Serial No. 172,145; published Oct. 30, 1923.
Farming implements. Evans and Barnhill, Inc. 178,191; Jan. 8; Serial No. 182,407; published Oct. 16, 1923.
Grain feeders and parts thereof. Garden City Feeder Co. 178,433; Jan. 8.
Hammers, hatchets, saws, planes, etc. Marshall-Wells Company. 178,269; Jan. 8; Serial No. 178,528; published Oct. 30, 1923.
Knives, forks, spoons, etc. Gorham Manufacturing Company. 178,224; Jan. 8; Serial No. 152,249; published Oct. 30, 1923.
Knives, razors, and shears. Union Cutlery Co. 178,082; Jan. 8; Serial No. 179,341; published Oct. 16, 1923.
Logging and hoisting equipment. Washington Iron Works. 178,239; Jan. 8; Serial No. 183,613; published Oct. 30, 1923.
Machinery for use in the shoe, hat, and glove trade. Donnelly Machine Co. 178,325; Jan. 8; Serial No. 182,574; published Oct. 30, 1923.
Machines, lathes, and attachments, filing machines, etc., Pinion and gear cutting. Waltham Machine Works. 178,465; Jan. 8.
Milling tools and reamers. Gammons-Holman Company. 178,452; Jan. 8.
Mining machines. Sullivan Machinery Company. 178,445; Jan. 8.
Mixing and coating machines for plastic or semiliquid substances. Joseph Baker Sons and Perkins Limited. 178,342; Jan. 8; Serial No. 181,332; published Oct. 30, 1923.
Motors, Lever-operated. M. Victorsohn. 178,282; Jan. 8; Serial No. 184,700; published Oct. 30, 1923.
Motors, Vaporizer for internal-combustion. J. B. Ferry. 178,137; Jan. 8; Serial No. 181,826; published Oct. 30, 1923.
Mowers, Lawn. Shapleigh Hardware Company. 178,240; Jan. 8; Serial No. 183,599; published Oct. 30, 1923.
Needles, Sewing-machine and machine knitting. C. B. Barker & Co. 178,114; Jan. 8; Serial No. 177,949; published Oct. 16, 1923.
Needles, Sewing-machine. Union Special Machine Company. 178,272; Jan. 8; Serial No. 185,635; published Oct. 30, 1923.
Ore-mill and concentrating-table parts. Mine and Smelter Supply Company. 178,078; Jan. 8; Serial No. 158,790; published Oct. 16, 1923.
Penknives, razors, and razor blades, etc. American Safety Razor Corporation. 178,346; Jan. 8; Serial No. 181,666; published Oct. 30, 1923.
Pumps, etc. Central Scientific Company. 178,274; Jan. 8; Serial No. 185,445; published Oct. 30, 1923.
Pumps, pumping systems, and parts of same, Liquid. Western Pump Company. 178,074; Jan. 8; Serial No. 157,788; published Oct. 16, 1923.

Pumps, Vacuum. Central Scientific Company. 178,275; Jan. 8; Serial No. 185,448; published Oct. 30, 1923.
Razors and razor blades. International Safety Razor Corp. 178,347; Jan. 8; Serial No. 181,527; published Oct. 30, 1923.
Saws, drills, etc. William B. & John E. Boice. 178,457; Jan. 8.
Scissors, etc., Machines for grinding. Domestic Devices Corporation. 178,267; Jan. 8; Serial No. 185,512; published Oct. 30, 1923.
Screens for granular materials. R. H. Beaumont Company. 178,188; Jan. 8; Serial No. 181,929; published Oct. 16, 1923.
Screens, Shaking. Morrow Manufacturing Co. 178,286; Jan. 8; Serial No. 184,346; published Oct. 30, 1923.
Scythes and sickles. Igelfors Bruks Aktiebolag. 178,209-10; Jan. 8; Serial No. 172,276-6; published Oct. 30, 1923.
Shoe-machinery parts and supplies. Louis G. Freeman Company. 178,504; Jan. 8; Serial No. 183,106; published Oct. 30, 1923.
Sprayers and parts thereof. Hudson Manufacturing Company. 178,495-6; Jan. 8.
Tool handles. J. L. Turgeon. 178,276; Jan. 8; Serial No. 185,324; published Oct. 30, 1923.
Valves, Poppet. Fluesteel Products Company. 178,190; Jan. 8; Serial No. 181,522; published Oct. 16, 1923.
Vehicle jacks. Dexter Manufacturing Company. 178,081; Jan. 8; Serial No. 165,787; published Oct. 16, 1923.
Woodworking machines, Combination. Hutchinson Manufacturing Co. 178,249; Jan. 8; Serial No. 183,835; published Oct. 30, 1923.
Wrenches and parts thereof. Greene, Tweed & Co. 178,287; Jan. 8; Serial No. 184,400; published Oct. 30, 1923.
Wrenches, wrench sets, and alignment jigs for connecting rods, etc. Hinsdale Manufacturing Company. 178,291; Jan. 8; Serial No. 183,383; published Oct. 30, 1923.

CLASS 25.

Locks. Hisey-Wolf Machine Company. 178,238; Jan. 8; Serial No. 182,625; published Oct. 30, 1923.

CLASS 26.

Engines, etc., Instruments for indicating the temperature of internal-combustion. Stewart-Warner Speedometer Corporation. 178,077; Jan. 8; Serial No. 183,187; published Oct. 16, 1923.
Filters, Color. Carl Zeiss. 178,303; Jan. 8; Serial No. 183,048; published Oct. 30, 1923.
Picture films, Motion-. Metro Pictures Corporation. 178,349; Jan. 8; Serial No. 183,455; published Oct. 30, 1923.
Gauges. Columbus Company. 178,273; Jan. 8; Serial No. 177,897; published Oct. 30, 1923.
Lenses, eyeglasses, and spectacles, Ophthalmic. C. A. Meigs. 178,085; Jan. 8; Serial No. 183,076; published Oct. 16, 1923.
Meters, Liquid. American Liquid Meter Company. 178,427; Jan. 8.
Printing, issuing, and auditing tickets, Machine for. F. A. Purdy. 178,080; Jan. 8; Serial No. 167,896; published Oct. 16, 1923.
Pumps, Oil and gasoline measuring. Tokheim Oil Tank & Pump Co. 178,153; Jan. 8; Serial No. 183,328; published Oct. 30, 1923.
Scales and machines, etc., Weighing. Toledo Scale Company. 178,449; Jan. 8.
Speedometers and speedometer plates. Precision Speedometer Co. 178,293; Jan. 8; Serial No. 183,592; published Oct. 30, 1923.
Thermostats. Honeywell Heating Specialties Company. 178,429; Jan. 8.
Weighers. Garden City Feeder Co. 178,431; Jan. 8.
Weighing machines and parts thereof. E. and T. Fairbanks and Company. 178,459; Jan. 8.

CLASS 29.

Brushes, Floor. M. G. Goeller's Sons. 178,316; Jan. 8; Serial No. 182,749; published Oct. 30, 1923.
Mops, brooms, dusters, and brushes. MacLean Drug Company. 178,271; Jan. 8; Serial No. 178,757; published Oct. 30, 1923.
Mops, Oil. Western Steel & Chemical Co. 178,313; Jan. 8; Serial No. 182,730; published Oct. 23, 1923.

CLASS 31.

Air conditioning and cooling devices. Aridor Company. 178,412; Jan. 8; Serial No. 179,511; published Oct. 16, 1923.

CLASS 34.

Boilers, Range. Pennsylvania Range Boiler Co. 178,389; Jan. 8; Serial No. 182,484; published Oct. 23, 1923.
Burners and oil burning furnaces, Oil. Bunting Iron Works. 178,443; Jan. 8.
Cooking stands, stoves, teakettle-heating outfits, etc. S. Sternau & Co. 178,221; Jan. 8; Serial No. 151,912; published Oct. 23, 1923.
Furnaces and furnace castings and coal-feeding stokers, Coal-burning. Murphy Iron Works. 178,231; Jan. 8; Serial No. 157,390; published Oct. 23, 1923.
Gas appliance. Johnson Gas Appliance Company. 178,259; Jan. 8; Serial No. 176,348; published Oct. 23, 1923.
Stoves, Portable. Hercules Manufacturing Co. 178,426; Jan. 8.
Stoves, ranges, and furnaces, Gas and coal. Abram Cox Stove Company. 178,135; Jan. 8; Serial No. 181,733; published Oct. 23, 1923.

CLASS 35.

Belting, Leather. H. E. Whiting. 178,404; Jan. 8; Serial No. 179,977; published Oct. 23, 1923.
Rubber hose. Voorhees Rubber Mfg. Co. 178,230; Jan. 8; Serial No. 161,514; published Oct. 23, 1923.
Tires. Miller Rubber Company. 178,442; Jan. 8.

CLASS 37.

Checks. E. S. Bender. 178,066; Jan. 8; Serial No. 184,707; published Oct. 16, 1923.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Co. 178,283; Jan. 8; Serial No. 184,689; published Oct. 23, 1923.
Paper for mechanical drawings. Stevens Paper Mills, Inc. 178,087; Jan. 8; Serial No. 182,893; published Oct. 16, 1923.
Paper, Toilet. Northern Paper Mills. 178,088; Jan. 8; Serial No. 184,355; published Oct. 16, 1923.
Paper, Toilet. Northern Paper Mills. 178,094; Jan. 8; Serial No. 184,552; published Oct. 16, 1923.
Paper, Toilet. Northern Paper Mills. 178,140; Jan. 8; Serial No. 184,360; published Oct. 16, 1923.
Paper, Toilet. Scott Paper Company. 178,268; Jan. 8; Serial No. 185,623; published Oct. 23, 1923.
Paper, Wrapping. Diem & Wing Paper Co. 178,064; Jan. 8; Serial No. 184,654; published Oct. 16, 1923.
Paper, Wrapping, toilet, and wax. Taverner & Fricke. 178,053; Jan. 8; Serial No. 185,103; published Oct. 16, 1923.
Paper, Writing. Diem & Wing Paper Co. 178,065; Serial No. 184,655; published Oct. 16, 1923.
Paper, Writing. Marshall Field & Company. 178,220; Jan. 8; Serial No. 146,536; published Oct. 23, 1923.
Paperboard. Federal Paper Board Company. 178,071; Jan. 8; Serial No. 184,443; published Oct. 16, 1923.
Pencils. Druggists' Supply Corporation. 178,090; Jan. 8; Serial No. 184,070; published Oct. 16, 1923.
Pencils, Carpenters'. Townley Metal and Hardware Company. 178,255; Jan. 8; Serial No. 185,633; published Oct. 23, 1923.
Printing, stamping, etc., work in connection with stationery. J. E. Wolf. 178,215; Jan. 8; Serial No. 144,200; published Oct. 16, 1923.
Shipping tags. Haywood Publishing Company. 178,067; Jan. 8; Serial No. 184,448; published Oct. 16, 1923.

CLASS 38.

Almanac and yearbook. C. A. Mann. 178,263; Jan. 8; Serial No. 176,269; published Oct. 16, 1923.
Books, pamphlets or folders, Instruction. Northern Institute Co. 178,415; Jan. 8; Serial No. 180,488; published Oct. 16, 1923.
Calendars, mailing cards, cut-out novelties. I. K. Ungar. 178,359; Jan. 8; Serial No. 164,206; published Oct. 16, 1923.
Cartoons, Title for. World Color Printing Company. 178,393-4; Jan. 8; Serial Nos. 182,890-1; published Oct. 16, 1923.
Maps, Auto road. Handipak Company. 178,331; Jan. 8; Serial No. 180,864; published Oct. 16, 1923.

CLASS 39.

Caps, sweaters, shoes, negligee shirts, and hosiery, Men's. Frankel Bros. 178,117; Jan. 8; Serial No. 181,984; published Oct. 23, 1923.
Coats and suits, Ladies'. L. Schwartz & Sons. 178,348; Jan. 8; Serial No. 181,499; published Oct. 23, 1923.
Coats, cloaks, wraps, suits, etc. Salt's Textile Manufacturing Company. 178,350; Jan. 8; Serial No. 165,311; published Oct. 23, 1923.
Dresses. Ullman-Jessel, Inc. 178,226; Jan. 8; Serial No. 154,774; published Oct. 30, 1923.
Hosiery. Shurtz Hosiery Company. 178,420; Jan. 8; Serial No. 180,195; published Oct. 23, 1923.
Hosiery, knitted underwear, and gloves. John H. Hibben Dry Goods Co. 178,345; Jan. 8; Serial No. 181,395; published Oct. 23, 1923.
Hosiery, underwear, sweaters, etc. Miller Brothers Company. 178,121; Jan. 8; Serial No. 166,145; published Feb. 6, 1923.
Shirts, Infants'. Lumb Knitting Company. 178,232; Jan. 8; Serial No. 156,496; published Oct. 23, 1923.
Shirts, Work. H. B. Ferguson Co. 178,212; Jan. 8; Serial No. 173,270; published Oct. 30, 1923.
Shirts, Work and negligee. M. Fine & Sons. 178,320; Jan. 8; Serial No. 182,656; published Oct. 23, 1923.
Suits, cloth shirts, and trousers, Mechanics'. Guiterman Brothers. 178,075; Jan. 8; Serial No. 138,166; published Oct. 31.
Sweaters, union suits, shirts, etc. International Dry Goods Co. 178,311; Jan. 8; Serial No. 182,753; published Oct. 23, 1923.

CLASS 42.

Batiste, Mercerized cotton. Carson Pirie Scott & Co. 178,068; Jan. 8; Serial No. 184,595; published Oct. 16, 1923.
Cotton fabrics. Denser & Nathan, Inc. 178,069-70; Jan. 8; Serial Nos. 184,437-8; published Oct. 16, 1923.
Cotton piece goods. Robertson Bleachery & Dye Works, Incorporated. 178,241-2; Jan. 8; Serial Nos. 183,802-3; published Oct. 16, 1923.
Cotton piece goods. M. H. Rosenberg & Co. 178,079; Jan. 8; Serial No. 172,806; published Oct. 16, 1923.
Cotton piece goods. J. L. Stifel & Sons. 178,096; Jan. 8; Serial No. 184,367; published Oct. 16, 1923.
Cotton piece goods. Tremont & Suffolk Mills. 178,402; Jan. 8; Serial No. 180,506; published Aug. 21, 1923.
Crêpes in the piece, Cotton and silk. A. Schottland Inc. 178,060; Jan. 8; Serial No. 184,799; published Oct. 16, 1923.
Crêpes in the piece. A. Schottland Inc. 178,063; Jan. 8; Serial No. 184,800; Jan. 8; published Oct. 16, 1923.
Cretonnes or printed fabrics. Arthur Sanderson & Sons Limited. 178,083; Jan. 8; Serial No. 181,617; published Oct. 16, 1923.
Denims in the piece. Erwin Cotton Mills Co. 178,076; Jan. 8; Serial No. 137,451; published Oct. 16, 1923.
Fabrics, Pile. Amertex Mills, Inc. 178,439; Jan. 8.
Fabrics, Pile. Salt's Textile Manufacturing Company. 178,440; Jan. 8.
Ginghams in the piece. S. L. Hoffman. 178,086; Jan. 8; Serial No. 182,377; published Oct. 16, 1923.
Linen and cotton cloths. Farley Harvey Company. 178,280; Jan. 8; Serial No. 184,965; published Oct. 16, 1923.
Plushes in the piece. Hind & Harrison Plush Co. 178,091; Jan. 8; Serial No. 183,211; published Oct. 16, 1923.
Rugs, Textile. A. & M. Karagheusian, Inc. 178,062; Jan. 8; Serial No. 184,912; published Oct. 16, 1923.
Silk fabrics. Cheney Brothers. 178,055; Jan. 8; Serial No. 185,202; published Oct. 16, 1923.
Silk fabrics. Corticelli Silk Company. 178,072; Jan. 8; Serial No. 184,388; published Oct. 16, 1923.
Silk fabrics. Corticelli Silk Company. 178,073; Jan. 8; Serial No. 184,391; published Oct. 16, 1923.
Silk fabrics. Corticelli Silk Company. 178,141; Jan. 8; Serial No. 184,389; published Oct. 16, 1923.
Silk piece goods. Empire Silk Company. 178,054; Jan. 8; Serial No. 185,170; published Oct. 16, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 178,057-9; Jan. 8; Serial Nos. 185,115-17; published Oct. 16, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 178,151; Jan. 8; Serial No. 185,113; published Oct. 16, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 178,061; Jan. 8; Serial No. 185,112; published Oct. 16, 1923.

CLASS 43.

Threads made of cellulose derivatives. British Cellulose and Chemical Manufacturing Company. 178,422; Jan. 8; Serial No. 165,002; published Sept. 18, 1923.
Thread, Silk. N. Chertoff. 178,092; Jan. 8; Serial No. 184,234; published Oct. 16, 1923.

CLASS 44.

Arch supports, Foot-. F. Pfeiffer. 178,116; Jan. 8; Serial No. 179,619; published Oct. 23, 1923.
Belt for prevention of nausea. Neptune Products Company. 178,144; Jan. 8; Serial No. 165,257; published Oct. 23, 1923.
Cotton, Absorbent. Frank B. Graves Co. 178,111; Jan. 8; Serial No. 179,367; published Oct. 23, 1923.
Dental golds, solders, plates, disks, etc. J. F. Jelenko & Co. 178,152; Jan. 8; Serial No. 185,593; published Oct. 23, 1923.
Electric vibratory and heating outfits, etc. National Stamping & Electric Works. 178,360; Jan. 8; Serial No. 161,698; published Oct. 30, 1923.
Electrotherapeutics, Treatment outfits for. American Institute of Rational Therapeutics. 178,309-10; Jan. 8; Serial Nos. 182,955-6; published Oct. 30, 1923.
Electronic diagnosis, Electrical outfits for. American Institute of Rational Therapeutics. 178,312; Jan. 8; Serial No. 182,954; published Oct. 30, 1923.
Hypodermic needles. A. Bandman. 178,150; Jan. 8; Serial No. 184,890; published Oct. 23, 1923.
Lingual bars. I. Stern & Co. 178,139; Jan. 8; Serial No. 185,537; published Oct. 23, 1923.
Massage appliance. J. O. Linden. 178,173; Jan. 8; Serial No. 184,251; published Oct. 23, 1923.
Medicinal vaporizing device. P. Billard. 178,108; Jan. 8; Serial No. 167,594; published Oct. 23, 1923.
Napkins, Sanitary. American Wholesale Corporation (Baltimore Bargain House). 178,247; Jan. 8; Serial No. 183,954; published Oct. 23, 1923.
Sanitary napkins. Schafuss Corporation. 178,300; Jan. 8; Serial No. 183,166; published Oct. 30, 1923.
Soothers, Infants'. F. Schutze and Company Limited. 178,419; Jan. 8; Serial No. 180,065; published Oct. 30, 1923.
Thermometers, syringes, etc., Clinical. Joseph J. Kleiner & Co. 178,448; Jan. 8.

CLASS 45.

Beverage sold as a soft drink. P. H. James. 178,245; Jan. 8; Serial No. 183,627; published Oct. 30, 1923.
Beverage sold as a soft drink. Soc. An. Fsco. Cinzano & Cia. 178,306; Jan. 8; Serial No. 183,044; published Oct. 30, 1923.
Beverage sold as an orange drink and syrup for making the same. Granite State Spring Water Co. 178,122; Jan. 8; Serial No. 182,302; published Oct. 30, 1923.
Beverages sold as soft drinks. East Side Bottling Works. 178,390; Jan. 8; Serial No. 182,437; published Oct. 30, 1923.
Beverages sold as soft drinks. H. S. Jenner. 178,292; Jan. 8; Serial No. 183,884; published Oct. 30, 1923.
Beverages sold as soft drinks. San Joaquin Grocery Co. 178,119; Jan. 8; Serial No. 182,268; published Oct. 30, 1923.
Beverages with fruit flavors, ginger ale, etc. L. Cohen. 178,281; Jan. 8; Serial No. 184,650; published Oct. 30, 1923.
Flavors and beverages made therefrom, Beverage. Citrus Products Company. 178,252; Jan. 8; Serial No. 184,121; published Oct. 30, 1923.
Orange juice, fruit ciders. C. H. Dikeman. 178,314-15; Jan. 8; Serial Nos. 182,738-9; published Oct. 30, 1923.

CLASS 46.

Apples. Patrick Orchards. 178,460; Jan. 8.
Apples. Virginia Atwood Orchard Company. 178,461; Jan. 8.
Bread. American Bakery Company. 178,110; Jan. 8; Serial No. 175,179; published Sept. 11, 1923.
Butter. Gude Brothers, Kieffer Company. 178,211; Jan. 8; Serial No. 174,441; published Oct. 16, 1923.
Butter, poultry, and eggs. Alloway Brothers. 178,339; Jan. 8; Serial No. 181,100; published Oct. 16, 1923.
Candy. New England Confectionery Company. 178,225; Jan. 8; Serial No. 154,840; published Mar. 27, 1923.
Candy. Rogers Candy Company. 178,154; Jan. 8; Serial No. 182,613; published Oct. 16, 1923.
Candy, confections, and candy-coated fruits. C. E. Pearce Company. 178,056; Jan. 8; Serial No. 168,938; published Jan. 30, 1923.
Candy, ice cream, nut meats. M. A. Bottomley. 178,195; Jan. 8; Serial No. 159,995; published Oct. 16, 1923.
Canned fish, preserved fruits, and vegetables. John Crampton & Co. 178,301; Jan. 8; Serial No. 183,255; published Oct. 23, 1923.
Canned fruits. G. H. Corse, jr. 178,284; Jan. 8; Serial No. 184,436; published Oct. 23, 1923.
Canned fruits, vegetables, and fish, dried fruits. Hunt Brothers Packing Company. 178,454; Jan. 8.
Canned goods, cereals, etc. See-Moon & Company. 178,354; Jan. 8; Serial No. 164,270; published Oct. 2, 1923.
Canned tomatoes, corn, peas, and beans. Joseph Campbell Company. 178,207; Jan. 8; Serial No. 172,370; published Oct. 23, 1923.
Canned vegetables, fruits, etc. National Packing Corporation. 178,237; Jan. 8; Serial No. 180,878; published Oct. 16, 1923.
Catchup and canned vegetables. Brighton Canning Company. 178,332; Jan. 8; Serial No. 180,836; published Oct. 16, 1923.
Cocoa. Schweitzer "Cocoatina" Co. 178,196; Jan. 8; Serial No. 168,622; published Oct. 23, 1923.
Coffee. C. A. Murdock Co. 178,430; Jan. 8.
Cookies, cakes, crackers, and candies. Jacksonville Cracker Works. 178,136; Jan. 8; Serial No. 181,751; published Oct. 16, 1923.
Cream, Powder for whipped. Will-Whip-Cream Co. 178,425; Jan. 8.
Feed, Cow, horse, mule, and hen. P. W. Owen. 178,084; Jan. 8; Serial No. 180,489; published Oct. 23, 1923.
Flavoring extract for food purposes. Flexasynth Laboratories. 178,416; Jan. 8; Serial No. 179,192; published Oct. 23, 1923.
Flour, Graham or whole-wheat. C. O. Sandefur. 178,418; Jan. 8; Serial No. 180,303; published Sept. 25, 1923.
Flour, Wheat. Attica Mills. 178,100; Jan. 8; Serial No. 156,138; published July 31, 1923.
Food for infants, Specially-prepared. Mead Johnson & Company. 178,378; Jan. 8; Serial No. 182,598; published Oct. 30, 1923.
Food, Special carbohydrate antitoxic. Battle Creek Food Company. 178,414; Jan. 8; Serial No. 180,463; published Oct. 16, 1923.
Fruits, Fresh citrous. Richgrove-Jasmine Citrus Assn. 178,441; Jan. 8.
Fruits, Fresh citrous. San Dimas Lemon Association. 178,289; Jan. 8; Serial No. 184,200; published Oct. 23, 1923.
Grapes, citrous fruits, and cantaloupes, Fresh. Associated Fruit Co. 178,319; Jan. 8; Serial No. 182,845; published Oct. 16, 1923.
Hams, bacon, sausage, lard, etc. Evansville Packing Company. 178,407; Jan. 8; Serial No. 179,931; published Oct. 16, 1923.
Ice-cream cones. Cone Company of America. 178,193; Jan. 8; Serial No. 158,819; published Aug. 14, 1923.
Jams, preserves, jellies, etc., Fruit. Paul De Laney Co. 178,266; Jan. 8; Serial No. 175,773; published Oct. 16, 1923.

Jelly, corn-sirup apple. D. B. Scully Syrup Company. 178,229; Jan. 8; Serial No. 165,775; published Mar. 6, 1923.
Macaroni products. Keystone Macaroni Manufacturing Company. 178,338; Jan. 8; Serial No. 181,180; published Oct. 23, 1923.
Oranges and grapes, Fresh. Exeter Orange Growers Association. 178,455; Jan. 8.
Oil, Olive. Hijos de Ybarra. 178,383; Jan. 8; Serial No. 182,501; published Oct. 16, 1923.
Oil, Salad. Reina Brothers & Company. 178,466; Jan. 8.
Pears, Fresh. N. E. Dean. 178,285; Jan. 8; Serial No. 184,602; published Oct. 23, 1923.
Salad dressings. M. R. Sanborn. 178,356; Jan. 8; Serial No. 162,070; published Oct. 23, 1923.
Tea and coffee. Bantam Products Ltd. 178,410; Jan. 8; Serial No. 179,580; published Oct. 16, 1923.

CLASS 48.

Sirup and malt cereal beverages sold as a soft drink, Malt. Pabst Corporation. 178,340; Jan. 8; Serial No. 181,214; published Oct. 30, 1923.
Sirup and malt cereal beverages sold as a soft drink, Malt. Pabst Corporation. 178,341; Jan. 8; Serial No. 181,212; published Oct. 30, 1923.
Sirup for beverage purposes, Malt. P. Ballantine & Sons. 178,223; Jan. 8; Serial No. 152,881; published Oct. 30, 1923.
Sirup, Malt. J. D. Childs. 178,189; Jan. 8; Serial No. 180,419; published Oct. 23, 1923.

CLASS 50.

Bottle and jar closure. Smith-Lee Company. 178,446; Jan. 8.
Fabrics of vulcanized sheet gum rubber, Ornamental. Brandon Mills Inc. 178,128; Jan. 8; Serial No. 182,200; published Oct. 30, 1923.
Rubberized cloth. Meade Rubber Company. 178,367; Jan. 8; Serial No. 174,173; published Oct. 23, 1923.
Tents. I. S. Purcell. 178,421; Jan. 8; Serial No. 179,553; published Oct. 30, 1923.
Tents. H. Wenzel Tent and Duck Co. 178,160; Jan. 8; Serial No. 183,513; published Oct. 30, 1923.
Theaters in the nature of an advertising device, Miniature. Animated Miniature Theatre Corp. 178,262; Jan. 8; Serial No. 175,830; published Oct. 23, 1923.
Wafers to be used for lining bakers' ware, etc. Johann Schmidt Oblatenfabrik. 178,351; Jan. 8; Serial No. 165,572; published Oct. 23, 1923.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Fur skins. A. Hollander & Son-Arnhold Corporation. 188,117; Jan. 8.
Leather. General Leather Company. 187,737; Jan. 8.
Ores, Zircon. E. Rietz. 180,495; Jan. 8.
Silk, Raw. Gosho Corporation. 187,940–1; Jan. 8.

CLASS 2.

Boxes. F. J. Kress Box Company. 188,211; Jan. 8.
Containers for ice cream, Shipping. J. R. Ellis. 187,409; Jan. 8.
Receptacles, Oil-containing. Eagle Manufacturing Company. 186,421; Jan. 8.

CLASS 3.

Purses and wallets, Leather key and coin. Nev-A-Hone Razor Strop Company. 187,587; Jan. 8.
Trunks, Wardrobe. Seward Trunk and Bag Company. 188,277; Jan. 8.

CLASS 4.

Soap. J. B. Williams Company. 186,767; Jan. 8.

CLASS 5.

Adhesive. Robeson Process Company. 186,084; Jan. 8.
Adhesives and sizings. Arabol M'f'g Co. 188,103; Jan. 8.
Sizes, Wall. M. D. Swartz. 186,809; Jan. 8.

CLASS 6.

Ammonia and bluing. Kroger Grocery & Baking Co. 187,223; Jan. 8.
Anæsthetic for use in extracting teeth. L. A. Finkelstein. 183,265; Jan. 8.
Anæsthetic, Local. D. Curtis. 186,742; Jan. 8.
Aspirin. Standard Laboratories. 186,610; Jan. 8.
Attar of roses. Unverer & Company. 187,886; Jan. 8.
Bitters and tonic, Wine. J. L. Val. 176,232; Jan. 1.
Bleaching preparations, mordants, acids, etc. R. Schmidt. 167,424; Jan. 8.
Blood purifier. Golden Age Remedy Co. 185,656; Jan. 8.
Blue, Wash. Siemon & Elting. 183,947; Jan. 8.
Carbon remover. Auto-Fizik Co. 178,062; Jan. 8.
Chemical preparation for the treatment of hair. National Products Co. 186,663; Jan. 8.
Chemicals. Truempy, Faesy & Besthoff, Inc. 182,943; Jan. 8.
Cod-liver-oil preparation. Fairchild Bros. & Foster. 186,744; Jan. 8.
Compound for removing scale from steam boilers. J. Q. Gill. 186,781; Jan. 8.
Compounds for the prevention of freezing and boiling of water in radiators, Liquid. Carbide & Carbon Chemicals Corporation. 188,406; Jan. 8.
Cough drops, Candy. Estate of Chas. F. Adams. 188,298; Jan. 8.
Cream, Complexion. J. Farrelly. 185,695; Jan. 8.
Creams, bath powders, lip rouge, etc., Skin and tissue. Richard Hudnut. 186,907; Jan. 8.
Depilatory and superfluous-hair remover. G. D. Snasdell. 187,024; Jan. 8.
Embalming fluid, Concentrated cavity. Embalmers' Supply Company. 188,190; Jan. 8.
Face powder. A. Bourjois & Co. 187,709; Jan. 8.
Hair tonic, Quinine. C. E. Hoffman Co. 178,103; Jan. 8.
Hair tonics. Mark W. Allen & Co. 186,622; Jan. 8.
Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. 187,921; Jan. 8.
Insecticides. M. Isaacs. 187,218; Jan. 8.
Laxative. Laxamin Laboratories. 186,845; Jan. 8.
Laxative. C. Menaugh. 185,183; Jan. 8.
Laxative medicinal preparation. M. G. Gibbs. 184,905; Jan. 8.
Laxative remedy, Proprietary. American Chemical & Drug Co. 188,085; Jan. 8.
Laxative, Saline. S. B. Ganow. 187,251; Jan. 8.
Medicine. H. J. Williamson. 186,342; Jan. 8.
Medicine for animals. Fox Rixer Farm Laboratories. 188,300; Jan. 8.
Medicine for cancer, ulcer, blindness, dry throat, catarrh, etc. P. Bond. 187,085; Jan. 8.
Medicine for distemper of dogs. W. C. Ahrens. 186,043; Jan. 8.
Medicine for hay fever, etc. C. W. Haller. 186,993; Jan. 8.
Medicine for the treatment of nasal catarrh, cold in the head, etc. C. H. McCully. 178,859; Jan. 8.
Medicine for the treatment of stomach, liver, etc., ailments. D. M. Pierce. 187,206; Jan. 8.
Medicine for tuberculosis, diphtheria, etc. S. A. D. Sziber. 185,540; Jan. 8.
Mouth wash, etc., Antiseptic for. G. Seedman, jr. 185,500; Jan. 8.
Oil and port wine, etc., for treatment of coughs, colds, etc., Emulsion of cod-liver. H. T. Dewey & Sons Company. 186,419; Jan. 8.
Oil, Cod-liver. Brewer & Company. 184,492; Jan. 8.
Oils, Medicinal. Standard Oil Company of New York. 188,382; Jan. 8.
Ointment, Healing. E. W. Kirkham. 182,829; Jan. 8.
Perfume and toilet waters. John Wanamaker Philadelphia. 186,339; Jan. 8.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 188,222; Jan. 8.
Perfume, toilet water, talcum powder, etc. Cheramy, Inc. 185,564; Jan. 8.
Perfumes. Colgate & Company. 186,775; Jan. 8.
Perfumes. Remdiler Co. 186,569; Jan. 8.
Perfumes. John Wanamaker Philadelphia. 187,235; Jan. 8.
Perfumes and toilet waters. United Drug Company. 184,370; Jan. 8.
Perfumes, toilet waters, and face powders. John Wanamaker Philadelphia. 187,801; Jan. 8.
Perfumes, toilet waters, face and talcum powders, etc. George W. Button Corporation. 188,294; Jan. 8.
Perfumes, toilet waters, face powders, etc. Cheramy, Inc. 186,872; Jan. 8.
Perfumery, toilet water, powders, etc. F. Libisch. 178,262; Jan. 8.
Peroxide of hydrogen. Schuylkill Chemical Company. 182,012; Jan. 8.
Pharmaceutical preparation. Hudson Pharmacal Co. 186,790; Jan. 8.
Pharmaceutical preparation. A. C. Krapf. 174,209; Jan. 8.
Pharmaceutical preparation for treatment of colds. E. M. Hale. 185,296; Jan. 8.
Pharmaceutical preparations. Thacher Medicine Company. 185,541; Jan. 8.
Polish, Nail. I. Hubert. 186,995; Jan. 8.
Powder tablets, Tooth-. L. Zarbaugh. 188,142; Jan. 8.
Powder, Toilet. J. D. Boyle. 168,249; Jan. 8.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Powders and creams, toilet waters, rouges, perfumes, etc., Face. J. Jutras. 188,244–5; Jan. 8.
Powders, Face. Yardley & Co. 188,260; Jan. 8.
Powders, Talcum and theatrical. Harriet Hubbard Ayer. 186,054; Jan. 8.
Preparation for blind stagger, vertigo, etc., in cows, indigestion for mules, etc. E. L. Reid. 185,495; Jan. 8.
Preparation for gout, sciatica, lumbago, neuralgia, etc. Newbro Manufacturing Compny. 188,322; Jan. 8.
Preparation for indigestion, Bright's disease, neuritis, etc. R. N. Gaddy. 188,475; Jan. 8.
Preparation for sore throat and tonsillitis. C. L. Wilson. 182,389; Jan. 8.
Preparation for treatment of coughs, colds, etc. G. J. McCabe. 182,477; Jan. 8.
Preparation for treatment of diseases resulting from faulty metabolism, etc. J. R. Stege. 184,992; Jan. 8.
Preparation for treatment of headache, nervousness, etc. M. G. Gibbs. 184,908; Jan. 8.
Preparation for treatment of the hands and feet, eczema, etc. O. Peterson. 185,534; Jan. 8.
Preparation used in the treatment of colds, pneumonia, influenza, croup, etc. Rex Chemical Co. 188,326; Jan. 8.
Rat poisons. Rat-Chek Co. 185,674; Jan. 8.
Rouges, Cream. A. Martinez. 188,249; Jan. 8.
Sachet, tooth powder, cold cream, tooth paste, etc. Richard Hudnut. 186,639; Jan. 8.
Salt, baking soda, starch, lye, etc. Winston, Harper, Fisher Company. 187,237; Jan. 8.
Salve for cuts, wounds, etc., Therapeutic. C. H. Beegle. 188,044; Jan. 8.
Shampoo and dandruff cure, Liquid. Pioneer Products Company. 186,610; Jan. 8.
Silicate of soda and sal soda. Central Commercial Company. 186,826; Jan. 8.
Sirup, Cough. Marnita Chemical Co. 187,115; Jan. 8.
Soda ash and caustic soda. Pittsburgh Plate Glass Company. 171,510; Jan. 8.
Tablets, Laxative. A. R. Martine. 186,066; Jan. 8.
Tablets, Vegetable. Dr. F. W. Diemer Medicine Co. 188,090; Jan. 8.
Toilet preparations. Modern Pharmacal Co. 185,032; Jan. 8.
Tonics for rebuilding and invigorating the glands of the body. E. L. Miller. 185,760; Jan. 8.
Tooth paste. W. C. Watkins. 186,733; Jan. 8.
Tungstate and tungstic acid, Sodium. Fansteel Products Company. 186,952; Jan. 8.
Water for treatment of hardening of the arteries, etc., Radioactive. R. H. Smith. 168,559; Jan. 8.
Water-softening material. H. C. Davis. 186,777; Jan. 8.

CLASS 11.

Inked ribbons. Columbia Carbon Company. 186,696; Jan. 8.
Paper and typewriter ribbons, Carbon. Fullrite Carbon & Ribbon Company. 169,355; Jan. 8.

CLASS 12.

Brick. Twin City Brick Company. 179,497; Jan. 8.
Bricks, Enameled. American Enameled Brick & Tile Company. 178,369; Jan. 8.
Concrete hardener, foundation coating, etc. B. Berman. 185,286; Jan. 8.
Concrete slabs for building construction. S. Lake. 187,164; Jan. 8.
Lumber. National Lumber Manufacturers Association. 184,414; Jan. 8.
Plaster, lime, etc., Hard wall. Blue Diamond Materials Company. 178,809; Jan. 8.
Roofing. Commercial Selling Co. 180,525; Jan. 8.
Weather strip, Metal. Macklanburg-Duncan Co. 165,299; Jan. 8.

CLASS 13.

Chains, Automobile. C. F. Wiesenmeyer. 179,021; Jan. 8.

CLASS 14.

Alloys, Base-metal. Ellicott Machine Corporation. 188,188; Jan. 8.
Alloys, Nickel-iron. Western Electric Company. 172,248; Jan. 8.
Castings, Iron. W. J. Early Sons Foundry Corporation. 188,112; Jan. 8.
Castings, Steel. C. M. Lovsted. 186,065; Jan. 8.

CLASS 15.

Fuels, Pennsylvania Synthetic Gas & Chemical Company. 162,887; Jan. 8.
Gasoline. R. W. Goodman. 167,563; Jan. 8.
Gasoline. Pure Oil Company. 183,229; Jan. 8.
Gasoline, Standard Oil Company, (New Jersey). 183,675; Jan. 8.
Gasoline, lubricating compounds, and oils. National Refining Company. 189,063; Jan. 8.
Grease, Lubricating. Martin Products Company. 166,746; Jan. 8.
Oil, Cutting. J. Q. Gill. 186,782; Jan. 8.
Oil, Cutting-tool-lubricating. Crescent Oil Company. 188,988; Jan. 8.
Oils, Lubricating. Tide Water Oil Company. 187,395–6; Jan. 8.
Petroleum, lubricating oils, and greases. Motoyl Company. 186,387; Jan. 8.

CLASS 16.

Bronze and aluminum powders, lacquers, dry colors, etc. H. Behlen & Bro. 185,284; Jan. 8.
Lacquers. Murphy Varnish Company. 188,320; Jan. 8.
Lacquers, lacquer thinners, and enamels. Egyptian Lacquer Manufacturing Company. 156,625; Jan. 8.
Paint enamels and ready-mixed paints. J. G. Croll. 186,587; Jan. 8.
Paint pigments. Eagle Paint & Varnish Works. 188,473; Jan. 8.
Paint product. Hoops Limited. 186,709; Jan. 8.
Paints and varnishes. Ferbert-Schorndorfer Company. 159,697; Jan. 8.
Paints, varnishes, etc. Standard Oil Company of New York. 188,384; Jan. 8.
Paints, varnishes, paint enamels, etc. Bradley-Wise Paint Company. 186,867; Jan. 8.
Polish and coating for japanned, etc., surfaces. F. S. Kelly. 182,155; Jan. 8.
Polishes, Floor. Johann Bosch Gesellschaft m. b. H. Fabrik für Asphalt, Dachpappe u. Teerprodukte. 177,913; Jan. 8.
Stain, Shingle. G. A. Heuer. 186,230; Jan. 8.
Varnish. H. H. Reed. 187,959; Jan. 8.
Varnish gum. Paramet Chemical Corporation. 182,003; Jan. 8.
Varnishes. C. Schrack & Co. 189,075; Jan. 8.

CLASS 17.

Cigarettes. F. & E. Soter Corporation. 181,870; Jan. 8.
Cigars. Magnolia Cigar Co. 148,083; Jan. 8.
Cigars, cigarettes, cheroots, and smoking tobacco. D. Emil Klein Co. 184,468; Jan. 8.

CLASS 19.

Automobile curtains and door-opening curtain rods and handles. Q. D. Curtain Company. 183,256; Jan. 8.
Automobiles, boats, etc. Societe Anonyme des Anciens Etablisaements Panhard & Levassor. 184,306; Jan. 8.
Hardward and deck fittings, Marine. Charles D. Durkee & Company. 137,827; Jan. 8.
Trucks, Motor. H. M. Tower Corporation. 186,683; Jan. 8.

CLASS 21.

Batteries, Electric. General Auto Electric Company. 188,043; Jan. 8.
Electrical conductor cords. American Electrical Heater Company. 183,549; Jan. 8.
Posts, telephone test connectors, etc., Spring binding. Fahnestock Electric Co. 185,749; Jan. 8.
Radio antenna wire. Ross Antenna Company. 164,007; Jan. 8.
Radio receiving, detecting, and transmitting sets and parts thereof. Gem Radio Company. 170,764; Jan. 8.
Radio transmitting and receiving sets and parts thereof. C. D. Tuska Company. 185,770; Jan. 8.
Switch boxes. Chicago Fuse Mfg. Company. 159,007; Jan. 8.

CLASS 22.

Fishing line. Enterprise Manufacturing Company. 188,792; Jan. 8.
Fishing line. Enterprise Manufacturing Company. 188,812; Jan. 8.
Game. C. H. Hays. 186,055; Jan. 8.
Minnows, Artificial. Enterprise Manufacturing Company. 188,794; Jan. 8.
Skates, roller skates, and parts thereof, Ice. Winchester Repeating Arms Company. 187,181; Jan. 8.
Theaters, toy figures, and accessories, Miniature. Kiddies' Karnival Corporation. 187,318; Jan. 8.

CLASS 23.

Razor blades and hair clippers, Safety-. Phönix Scherenfabrik G. m. b. H. 171,244; Jan. 8.
Sealing and stamping machines and sealing machines, Combined. Mallometer Company. 187,332; Jan. 8.
Taps. Hartford Tap & Gauge Company. 167,129; Jan. 8.

CLASS 26.

Lenses, Projection. Projection Optics Co. 187,638; Jan. 8.
Measuring instruments, Lens-. F. A. Hardy & Company. 169,398; Jan. 8.
Prints of motion picture and films, Positive. Independent Pictures Corporation. 182,309; Jan. 8.
Refractory crucibles and their parts. Ross-Tacony Crucible Company. 187,348; Jan. 8.

CLASS 27.

Clocks for operating electric switches. Tork Company. 178,074; Jan. 8.

Watches. Jovis Watch Co. 188,489; Jan. 8.
Watches. Waltham Watch & Clock Company. 188,078; Jan. 8.

CLASS 28.

Clasp fastener. W. Fischer. 162,744; Jan. 8.
Jewelry, tableware, etc., Gold and silver. Goldenberg's. 170,840; Jan. 8.
Silver hollow ware and flatware. Watson Company. 181,711; Jan. 8.

CLASS 30.

Earthenware. Red Wing Union Stoneware Co. 181,697; Jan. 8.

CLASS 32.

Shades, Window. Bausch & Gainor. 185,877; Jan. 8.

CLASS 33.

Glass. California Glass & Paint Co. 164,496; Jan. 8.

CLASS 34.

Burners. J. Dingirdous. 183,964; Jan. 8.
Chimneys, Supports in. J. Walentovic. 166,307; Jan. 8.
Furnaces and boiler fire boxes, Liquid-fuel burners for. J. Scheminger, jr. 184,766; Jan. 8.
Heating apparatus. Lebanon Machine Company. 184,082; Jan. 8.
Pumps and feed-water heater, Boiler feed. Superheater Company. 188,242; Jan. 8.
Stovepipe rings. A. Katrina. 184,467; Jan. 8.
Stoves, Gas. Scott Gas Appliance Company. 184,041; Jan. 8.
Ventilator. Paul Dickinson Incorporated. 167,153; Jan. 8.

CLASS 35.

Automobile inner tubes. Paul Rubber Co. 179,953; Jan. 8.
Belting. New York Belting and Packing Company. 175,321; Jan. 8.
Belting, Cotton. Buffalo Weaving & Belting Co. 182,232; Jan. 8.
Rubber inner tubes. Better Tires Company. 184,115; Jan. 8.
Tires. Firestone Tire and Rubber Company. 136,120; Jan. 8.

CLASS 36.

Accordion. Lyon & Healy, Inc. 187,328; Jan. 8.
Phonograph reproducers. Unique Reproduction Co. 173,454; Jan. 8.
Phonographs. Kimberly Phonograph Co. of N. J. 185,830; Jan. 8.
Talking machines. Modernola Company. 183,223; Jan. 8.
Talking machines and phonographs. Thon Ola Company. 157,729; Jan. 8.

CLASS 37.

Paper, Bond. Johnston-Albershart Co. 187,741; Jan. 8.
Paper, Coated. McLaurin-Jones Co. 186,285; Jan. 8.
Paper, paper towels, and paper napkins, Toilet. Wortendyke Manufacturing Co. 186,528; Jan. 8.

CLASS 38.

Magazine, Monthly. F. C. Kaye. 188,152; Jan. 8.
Magazine, Monthly. Medical Economics Publishing Co. 188,271; Jan. 8.
Magazine, Monthly. Miller-Matthews Publishing Company. 187,832; Jan. 8.
Magazine, Monthly. Playground and Recreation Association of America. 188,611; Jan. 8.
Magazine, Weekly. American Trade Publishing Co. 187,841; Jan. 8.
Newspaper strip, Comic. Illustrated Daily News Publishing Co. 188,269; Jan. 8.
Newspaper title. Keystone American, Inc. 187,522; Jan. 8.
Pamphlets. P. Cast. 187,910; Jan. 8.
Periodicals, Monthly. Detroit Masonic Temple Association. 186,418; Jan. 8.
Publication, Monthly. M. de Sanctis Caralt. 188,150; Jan. 8.
Publication title. Allied Grocers, Inc. 187,276; Jan. 8.
Sporting-column section, Serial. Sun-Herald Corporation. 187,700; Jan. 8.

CLASS 39.

Coats, Waterproof. Société Anonyme du Loden Français. 185,501; Jan. 8.
Corsets, brassières and underwear. Nemo Ciriclet Company. 185,837; Jan. 8.
Dresses, suits, and coats. Steinberg & Linden. 185,799; Jan. 8.
Hosiery. Paterson Knitting Mills Inc. 185,964; Jan. 8.
Shoes, gloves, shirts, etc. Virginia Supply Company. 177,636; Jan. 8.
Sweaters and knit coats. Boyce, Wheeler & Boyce, Inc. 186,824; Jan. 8.
Union suits, vests, etc., Knit. Boyce, Wheeler & Boyce, Inc. 186,825; Jan. 8.

CLASS 41.

Umbrella and parasol ribs. S. W. Evans & Son. 188,995; Jan. 8.

CLASS 42.

Cotton, cotton and silk, etc., piece goods. W. E. McKay & Company, incorporated. 187,169; Jan. 8.
Cotton, cotton and silk, cotton and wool goods in the piece. Wm. Simpson, Sons & Co. 185,537; Jan. 8.
Cotton piece goods. J. C. Penney Company. 186,197; Jan. 8.
Cotton piece goods. Wilton Manufacturing Company. 188,080; Jan. 8.
Cotton piece goods. Wilton Manufacturing Company. 188,082; Jan. 8.
Fabrics in the piece and blankets. Salt's Textile Manufacturing Company. 160,370; Jan. 8.
Hair nets. J. Giguet. 184,939; Jan. 8.
Hair nets. S. Glemby's Sons Co. 187,939; Jan. 8.
Piece goods. Pharaoh Drapery Co. 178,186; Jan. 8.
Rugs, Oriental. Cartosian Brothers, Incorporated. 186,741; Jan. 8.
Silk piece goods. Jansen & Pretzfeld, Inc. 188,631; Jan. 8.
Silk piece goods. Wechsler Barber Silk Company. 187,904; Jan. 8.
Tapestries, brocades, embroideries, silks, etc. M. Meilen. 187,754; Jan. 8.
Woolen goods in the piece. Worumbo Manufacturing Company. 169,193; Jan. 8.
Woolen piece goods. Forstmann & Huffmann Company. 187,576; Jan. 8.
Woolen piece goods. Forstmann & Huffmann Company. 187,928; Jan. 8.
Woolen piece goods. Forstmann & Huffmann Company. 187,930–1; Jan. 8.
Woolen piece goods. Forstmann & Huffmann Company. 187,935; Jan. 8.
Woolen piece goods. Forstmann & Huffmann Company. 187,937; Jan. 8.

CLASS 44.

Dental cavities, Preparation for insertion in. L. D. Caulk Company. 184,119; Jan. 8.
Dental golds. J. F. Jelenko & Co. 188,371; Jan. 8.
Dental instruments. L. D. Caulk Company. 187,663; Jan. 8.
Electrotherapeutic apparatus. Interstate Engineering Co. 174,901; Jan. 1.
Pads, Heating. G. J. Yore. 187,183; Jan. 8.
Paste. J. L. Smith. 181,222; Jan. 8.
Sanitary napkins. Sanitary Textile Corporation. 188,029; Jan. 8.

CLASS 45.

Drinks, Soft. Douglas & King Limited. 176,169; Jan. 8.

CLASS 46.

Beef and pork products. East Side Packing Company. 160,934; Jan. 8.
Bone for poultry, Raw. Sacramento Feed and Fertilizer Company. 185,149; Jan. 8.
Bread. Davis Standard Bread Company. 183,558; Jan. 8.
Bread. Ward Baking Company. 187,706; Jan. 8.
Butter. S. B. Johnson. 187,316; Jan. 8.
Candies and assorted chocolates, Assorted. S. B. Michael. 183,661; Jan. 8.
Candy. Bennett-Hubbard Candy Co. 184,684; Jan. 8.
Candy. B. R. Camp. 162,720; Jan. 8.
Candy. G. W. Chase and Son Mercantile Co. 176,786; Jan. 8.
Candy. Crystal Candy Company. 182,668; Jan. 8.
Candy. Gordon Arms. 186,705; Jan. 8.
Candy bar. Home Candy Company. 186,708; Jan. 8.
Candy, Bar. Schutter-Johnson Candy Co. 171,165; Jan. 8.
Candy toys. Candy-Toy Company of America. 174,689; Jan. 8.
Canned corn. Hans-Lieber Grocery Company. 187,459; Jan. 8.
Canned crab meat. Koto Trading Company. 186,711; Jan. 8.
Canned fish. Jos. Garneau Co. 174,188; Jan. 8.
Canned fruits, vegetables, and fish and dried fruits. Hunt Brothers Packing Company. 186,642; Jan. 8.
Canned goods. S. A. Smith Company. 179,335; Jan. 8.
Cantaloupes, Fresh. V. M. Gerrard. 184,610; Jan. 8.
Cantaloupes. B. F. Waymire. 184,109; Jan. 8.
Chocolate, Milk. Eline's Incorporated. 186,117; Jan. 8.
Chocolate nut bar, Sweet. Massachusetts Chocolate Company. 167,478; Jan. 8.
Chocolates, Assorted. Walter M. Lowney Company. 185,481; Jan. 8.
Codfish. Bridgetts & Co. 187,505; Jan. 8.
Coffee. Jas. H. Forbes Tea & Coffee Co. 183,827; Jan. 8.
Coffee. M. M. Gasser Co. 181,482; Jan. 8.
Coffee, Cut or ground. B. Fischer & Co. 185,333; Jan. 8.
Crackers, cakes, wafers, and biscuit. Hoyt's Consumers Cracker & Biscuit Corporation. 186,012; Jan. 8.
Eggs. A. Lawrence-Toombs & Sons. 185,682; Jan. 8.

Eggs, Fresh and storage. Charlton & Bowen. 185,859; Jan. 8.
Eggs, honey, etc., Fresh. C. P. Browning. 132,628; Jan. 8.
Feed, etc., Poultry. Van Iderstine Company. 187,498; Jan. 8.
Flour and cereals, Wheat and rye. F. L. Sparks. 174,270; Jan. 8.
Flour, Wheat. Portland Flour Mills Co. 182,176; Jan. 8.
Flour, Wheat. Willis, Norton & Co. 187,275; Jan. 8.
Food, Cereal. Los Angeles Milo Wheat Co. 186,019; Jan. 8.
Fruits and grapes, Fresh deciduous. Livingston Cooperative Society. 181,757; Jan. 8.
Ice-cream cones. Adams Cone Co. 183,869–70; Jan. 8.
Ice cream, flavored ice, ice-cream cones, etc. Marchiony Brothers, Inc. 164,712; Jan. 8.
Jams, jellies, fruit preserves, mincemeat. Tropical Preserving Co. 186,939; Jan. 8.
Marmalades, honey, table sirup, etc. Aunt Betty's Products Co. 186,864; Jan. 8.
Matzos. B. Manischewitz Company. 183,842–3; Jan. 8.
Mayonnaise and salad dressing. Andrew Rohan Company. 186,964; Jan. 8.
Meat scraps for poultry. Sacramento Feed and Fertilizer Company. 185,148; Jan. 8.
Oil, Olive. J. L. Duret & Cie. 179,659–62; Jan. 8.
Oil, Olive. Marranzini & Corrado. 161,055; Jan. 8.
Oil, Packed olive. G. L. P. Co. 147,874; Jan. 8.
Oil, tomato-paste sauce, Olive. W. Amerise. 167,217; Jan. 8.
Oils, Olive. Oleicola Tarragona, S. A. 173,938; Jan. 8.
Oleomargarine. Fort Wayne Butterine & Coffee Company. 177,602; Jan. 1.
Oysters. J. N. Thompson. 179,751; Jan. 8.
Peanut bar. A. B. Mewhinney Co. 162,563; Jan. 8.
Pears, Fresh. Interstate Land Holding Company. 186,792; Jan. 8.
Potatoes. Maine Potato Growers' Exchange. 186,514; Jan. 8.
Sandwiches, Peanut-butter. F. A. Atwood, Inc. 183,516; Jan. 8.
Sauce. S. M. Gans. 183,913; Jan. 8.
Sausage. Lindsay Pork Products Co. 186,558; Jan. 8.
Sausage, Pork. Lindsay Pork Products Co. 186,557; Jan. 8.
Seasonings. Kabushiki Kaisha Suzuki Shoten. 170,297; Jan. 8.
Sirup for food purposes. American Cereal Syrup Company. 166,868; Jan. 8.
Sugar, Granulated. Texas Sugar Refining Company. 185,388; Jan. 8.
Toffee and candies. L. Sinclair. 187,231; Jan. 8.
Tomato paste. Lioni Fruit & Packing Co. 185,975; Jan. 8.
Tomatoes, Fresh. Vegetable Exchange of California, Inc. 185,943; Jan. 8.
Vegetables, Fresh. Emery & Freeman, Inc. 184,071; Jan. 8.
Vinegar. Osaka Zosu Kabushiki Kaisha. 184,563; Jan. 8.

CLASS 48.

Beverages, Nonalcoholic cereal. G. L. Becker. 187,708; Jan. 8.

CLASS 50.

Hangers, Garment. I. N. Cave. 181,814; Jan. 8.
Paper carpet lining, Indented. Schmidt & Ault Paper Co. 183,504; Jan. 8.
Tents. Dickey Manufacturing Company. 184,126; Jan. 8.
Tents, hatch covers, and covering sheets. Seattle Tent & Awning Co. 188,066; Jan. 8.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acme Brick Company. (See Goen, Bob, assignor.)
Aeromarine Plane & Motor Company. (See King, A. H., and Young, assignors.)
Agee, William P., jr., Hope, Ark. Game apparatus. 1,480,360; Jan. 8.
Aktiebolaget Ferrolegeringar. (See Kalling, B. M. S., and Danieli, assignors.)
Albert, William F., assignor to American Lady Corset Company, Detroit, Mich. Corset. 1,479,780; Jan. 8.
Allen, Arthur S., North Tarrytown, assignor to Munsell Color Company, Inc., New York, N. Y. Color model. 1,480,486; Jan. 8.
Allen, Edwin H. (See Cadman, A. B. and Allen.)
Allen, Frank M., Claymont, Del., assignor to General Chemical Company, New York, N. Y. Furnace. 1,480,361; Jan. 8.
Allen Wrench & Tool Company. (See Webster, Oscar A., assignor.)
Allin, Benjamin C., Houston, Tex. Loading platform and wharf arrangement. 1,480,137; Jan. 8.
Alpers, Henry, Columbus, Nebr. Reed musical instrument. 1,480,039; Jan. 8.
Ambler, Robert R., and G. F. Wilson, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Abrading machine. 1,480,332; Jan. 8.
American Arch Company. (See Willett, Alfred H., assignor.)
American Beet Harvester Company. (See Kopitke, William H., assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Lady Corset Company. (See Albert, William F., assignor.)
American Lithographic Company. (See Bansett, William H., assignor.)
American Sales Book Company. (See Johnston, Clarence L., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Vernam, Gilbert S., assignor.)
Anderson, Arthur N. (See Saklatwalla, B. D., and Anderson.)
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Electric switch. 1,480,138; Jan. 8.
Anderson, Guy, Haynesville, Me. Tire chain. 1,480,139; Jan. 8.
Anderson, Oliver N., Minneapolis, assignor of one-half to E. S. Van Koughnet, St. Paul, and one-half to R. Parker, Minneapolis, Minn. Portable electric heater. 1,480,362; Jan. 8.
Anderson, Walter R., Chicago, Ill. Single-aperture, single-mirror view finder. 1,480,140; Jan. 8.
Apex Specialties Corporation. (See Johnson, Edward A., assignor.)
Appleton Electric Co. (See Anderson, Ernst G. K., assignor.)
Appler, Charles E., Chicago, Ill. Magnifying implement. 1,479,885; Jan. 8.
Arelt, Charles, assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y. Paper-folding machine. 1,480,236; Jan. 8.
Armstrong, Victor C., New York, N. Y., and E. L. Groff, Washington, D. C., assignors to The Rail Joint Company, New York, N. Y. Lightened construction for rail joints. 1,480,487; Jan. 8.
Arnold, Albert V. (See Martin, G. H., and Arnold.)
Arnold, Edwin H., Coventry, and W. T. Wakeford, Warwick Downs, R. I., assignors to The Nitrogen Corporation, Providence, R. I. High-pressure circulating pump. 1,480,040; Jan. 8.
Arnold, Lem, San Angelo, Tex. Steam-expanding device. 1,479,886; Jan. 8.
Art Lamp Mfg. Company. (See Severus, Louis, assignor.)
Artese, Joseph, Wheatridge, Colo. Water distributing and regulating device. 1,480,141; Jan. 8.
Asher, Allen P. (See Nelson, Charles S., assignor.)
Ashley, Noble G., Fort Dodge, Iowa. Street marker. 1,480,363; Jan. 8.
Ashmore, Walter L., Macon, Ga. Device for finishing concrete pavements. 1,479,949; Jan. 8.
Atkins, E. C., & Company. (See Ricker, Jerry, assignor.)
Atlas Powder Company. (See Grotta, Bennett, assignor.)
Atwater, David, Westfield, Mass. Union suit. 1,480,333; Jan. 8.
Auge, Theodore G. (See Mershon, Samuel D., assignor.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,480,334; Jan. 8.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,480,335; Jan. 8.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Rotary measuring valve. 1,480,336; Jan. 8.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,480,337; Jan. 8.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Bacon, Allan H., St. Louis, Mo. Sash lock. 1,480,338; Jan. 8.
Badger, Thomas N., Berkeley, Calif. Letter drop. 1,480,041; Jan. 8.
Bagg, Earle W. (See De Vos, K. M., and Bagg.)
Bail, Arthur. (See Castro, J. F., and Bail.)
Baker, Myron, Washington, D. C. Tiltable vehicle stand. 1,480,529; Jan. 8.
Baker, Newton D., Secretary of War, trustee. (See Dove, Walter T., assignor.)
Bannister, Bryant, Pittsburgh, Pa. Combination gas and coal fired furnace. 1,480,339; Jan. 8.
Bansett, William H., Bergenfield, N. J., assignor to American Lithographic Company, New York, N. Y. Plate-registering device. 1,480,489; Jan. 8.
Baradat, Claudio. (See Lleo, A., and Baradat.)
Barber-Colman Company. (See Hathaway, Edgar F., assignor.)
Bargeboer, Adolf, Rotterdam, Netherlands. Machine for making cigarillos and the like. 1,480,490; Jan. 8.
Barnholth, Christian A. (See Nelson, Oscar T., assignor.)
Barrett, Wilfred, Waltham, Mass. Heel protector. 1,479,950; Jan. 8.
Bartholo, Alipio C., and M. Perry, New Bedford, Mass. Music-leaf turner. 1,479,781; Jan. 8.
Barton, Elbert W., Binghamton, N. Y. Pump. 1,479,782; Jan. 8.
Bashara, Joseph F. (See Humason, G. A., and Bashara.)
Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
Bassick Manufacturing Company, The. (See Fesler, Douglas F., assignor.)
Bean, Louis A., Denver, Colo. Reflector. 1,480,364; Jan. 8.
Beasley, John W., jr., Los Angeles, Calif. Garment supporter. 1,480,491; Jan. 8.
Beaver Products Company, The. (See Speer, Alexander S., assignor.)
Beckwith, Louis I., Boston, Mass. Luggage carrier. 1,480,340; Jan. 8.
Behnke, Arthur, and J. C. Jenson, Royalton, Wis. Pulsator for milking machines. 1,480,492; Jan. 8.
Bell, Frank B., assignor to Edgewater Steel Company, Pittsburgh, Pa. Apparatus for removing articles from forging dies or the like. 1,480,142; Jan. 8.
Bennett, Amos D., Independence, Colo. Detachable broom handle. 1,480,365; Jan. 8.
Benson, John Z., Des Moines, Iowa. Curtain swing. 1,480,493; Jan. 8.
Bent, George H., Battle Creek, Mich. Carton and liner forming machine. 1,480,143; Jan. 8.
Bent, George H., Battle Creek, Mich. Method and apparatus for associating liners with cartons. 1,480,144; Jan. 8.
Bentley, Frank F., Warren, Ohio. Soldering apparatus. 1,479,783; Jan. 8.
Bergerson, William, Brooklyn, N. Y. Swimming and bathing appliance. 1,480,366; Jan. 8.
Berks Engineering Company. (See Rahm, Robert C., assignor.)
Berven, Sigurd O., Seattle, Wash. Portable washbowl. 1,480,145; Jan. 8.
Bessler, Frank E., Akron, Ohio. Attachment for drill presses. 1,480,494; Jan. 8.
Bessler, Frank E., Akron, Ohio. Attachment for drill presses. 1,480,495; Jan. 8.
Bettenga, Creno P., Waterloo, Iowa. Watering device. 1,480,367; Jan. 8.
Bettes, Omer J., Derry, N. H. Vehicle direction indicator. 1,480,042; Jan. 8.

Biebinger, David A., Janesville, Wis., assignor to General Motor Corporation, Detroit, Mich. Lifting mechanism for power-lift plows. 1,480,341; Jan. 8.
Bigney, S. O. & Company. (See Payette, Joseph A., assignor.)
Bird, John T. (See Durick, H. C., and Bird.)
Birdsall, James E. (See Varnum, A. C., and Birdsall.)
Bitner, John S., Fort Wayne, Ind. Vehicle. 1,479,887; Jan. 8.
Bixler, Ralph B., and W. E. Steadman, Denver, Colo. Hydraulic brake. 1,480,194; Jan. 8.
Bjornstad, Willard A., and R. A. Silene, Minneapolis, Minn. Electric oven for dental purposes. 1,479,951; Jan. 8.
Black, Joseph, Los Angeles, Calif. Manufacturing liquid fuel. 1,480,368; Jan. 8.
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Shackle bolt. 1,480,342; Jan. 8.
Blackwell, Reuben L., et al. (See Crutchfield, Phillips E., assignor.)
Blakeslee, George S., Chicago, Ill. Dishwashing apparatus. 1,480,043; Jan. 8.
Bluhm, Leo, assignor to Phoenix Manufacturing Co., Inc., New York, N. Y. Printed fabric. Des. 63,706; Jan. 8.
Bobo, John L., Greenville, S. C. Oilless bearing for harness rolls for looms. 1,480,496; Jan. 8.
Bobrick, Arthur L. (See Bobrick, Gabriel A and A. L.)
Bobrick, Gabriel A. and A. L., Los Angeles, Calif. Liquid dispenser. 1,479,977; Jan. 8.
Bobrick, Gabriel A. and A. L., Los Angeles, Calif. Liquid dispenser. 1,479,978; Jan. 8.
Bodrie, Philip. (See Brancheau, A. J. and Bodrie.)
Boesel, Aloysius G. (See Bosworth, C. M., and Boesel.)
Bolich, Charles M., Allentown, Pa. Windshield wiper. 1,480,343; Jan. 8.
Bond, Henry P. (See Coblentz, G. W., Faries, and Bond.)
Boone, Horace J. See Bowers, C. L., and Boone.)
Booth, Clement. (See Collins, W. A., and Tait, assignors.)
Bosworth, Cyrus M., Lakewood, and A. G. Boesel, Cleveland Heights, Ohio. Thermostatic control device. 1,479,784; Jan. 8.
Boughton, Elbert S., New York, N. Y. Rating device. 1,479,979; Jan. 8.
Bowell, George B., High Barnet, assignor of one-half to G. R. Redgrave, London, England. Cinematograph mechanism. 1,479,888; Jan. 8.
Bowers, Charles L., and H. J. Boone, assignors, by mesne assignments, to Henry & Wright Mfg. Co., Hartford, Conn. Dieing machine. 1,480,044; Jan. 8.
Bowie, Clifford P., Berkeley, and M. J. Gavin, Boulder, Colo. Apparatus for treating hydrocarbon-containing materials. 1,480,045; Jan. 8.
Bowman, Levi M., Fort Worth, assignor to O. H. Lang, trustee, Dallas, Tex. Toy pistol. 1,480,344; Jan. 8.
Boyce, Albert C., Muskogee, Okla. Lathe center. 1,479,952; Jan. 8.
Boyle, James C. (See Kridler, B. C., and Boyle.)
Bradley, Harry L., assignor of one-half to L. Bradley, Milwaukee, Wis. Shelf structure. 1,480,345; Jan. 8.
Bradley, Lynde. (See Bradley, Harry L., assignor.)
Bradshaw, Grant D., Pittsburgh, Pa. Process of and apparatus for burning gas. 1,480,146; Jan. 8.
Bradshaw, William H., Lansdowne, and H. W. Lyndall, Wilmington, Del., assignors to Main Belting Company, Philadelphia, Pa. Belt fastener. 1,479,859; Jan. 8.
Bracq-Laurent, Emile, Paris, France. Helical hearth furnace. 1,479,785; Jan. 8.
Brancheau, Albert J., and P. Bodrie, Flint, Mich. Sod-line cutter for railways. 1,480,237; Jan. 8.
Brandt & Krell Engineering Company, The. (See Brandt, Fokko, assignor.)
Brandt, Fokko, assignor to The Brandt & Krell Engineering Company, Kansas City, Kans. Stringer clamp. 1,480,147; Jan. 8.
Brandt, Martin, Tom's River, N. J. Dry mash feed hopper. 1,480,497; Jan. 8.
Bray, Albert M., Cleveland, Ohio. Internal-combustion engine. 1,479,953; Jan. 8.
Brierton, Benjamin R. (See Guilfoyle, J. J., Wilkes, and Brierton.)
Briden, Arthur, Birmingham, Ala. Boll-weevil machine. 1,479,954; Jan. 8.
Brigden, Charles H., Waltham, Mass. Escapement mechanism. 1,480,346; Jan. 8.
Broadwell, John E., Alpharetta, Ga. Boll-weevil destroyer. 1,480,498; Jan. 8.
Broome, Ernest L., Tarrytown, assignor to General Reduction, Gas and By-Products Company, New York, N. Y. Gas producer. 1,480,148; Jan. 8.
Brown, Adam R., Louisville, Ky. Toy machine gun. 1,480,499; Jan. 8.
Brown, George W., assignor to Inland Empire Paper Co., Millwood, Wash. Save-all. 1,480,500; Jan. 8.
Brown, John B., Wakanui, Ashburton, New Zealand. Sparrow trap. 1,479,889; Jan. 8.
Brown, Sophie H., Muskogee, Okla. Buckle. 1,480,347; Jan. 8.
Brunet, Maurice, assignor to Maison Detilleux, Société Anonyme, Liege, Belgium. Apparatus for regulating the supply of water to instantaneous steam generators. 1,479,890; Jan. 8.
Brunet, Maurice, assignor to Maison Detilleux, Société Anonyme, Liege, Belgium. Steam engine. 1,479,891; Jan. 8.
Bryant, Stephen O., Bethany, Mo. Gate. 1,480,501; Jan. 8.
Buffalo Truck & Tractor Corporation, The. (See Oversmith, Elmer H., assignor.)
Buresch, William W., Baltimore, Md. Bottle-capping machine. 1,480,369; Jan. 8.
Burgos, Juan A. X., Maloloe, Bulacan, Philippine Islands. Liquid-fuel burner. 1,479,892; Jan. 8.
Burns, Frank H., assignor to Hoosick Falls Radio Parts Manufacturing Company, Inc., Hoosick Falls, N. Y. Dial mounting for electrical instruments. 1,480,238; Jan. 8.
Burton, Carroll, Johnstown, Pa. Railway-track structure. 1,480,370; Jan. 8.
Bushnell, Olive, assignor to Johnson-Cowdin-Emmerich, Inc., New York, N. Y. Ribbon or similar article. Des. 63,707; Jan. 8.
Butler, Rostus, Little Cobary, N. C. Match safe and vending device. 1,480,502; Jan. 8.
Butterfield, Edward H., and F. D. Otterbein, assignors to T. Harvey, jr., Middletown, Ohio. Paper manufacturing. 1,479,786; Jan. 8.
Butterfield, Fred & Co. (See Vandergaw, E. B. and Heinrich, assignors.)
Coblentz, George W., J. R. Faries, and H. P. Bond, Tacoma, Wash. Lawn sprinkler. 1,480,507; Jan. 8.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,479,981; Jan. 8.
Cadgene, Ernest, Englewood Cliffs, and G. Dupont, Paterson, N. J. Fabric-printing machine. 1,480,345; Jan. 8.
Cadman, Addi B., and E. H. Allen, assignors to Warner Wollaston Company, Beloit, Wis. Dumping vehicle. 1,479,980; Jan. 8.
Cadwallader, Myron S., Olean, N. Y. Adjustable boot and shoe last. 1,480,349; Jan. 8.
Carbo-Oxygen Company. (See Harris, John, assignor.)
Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Picot-edging attachment for sewing machines. 1,479,893; Jan. 8.
Carey, Richard F., Moore, Pa. Sand-boring implement. 1,479,894; Jan. 8.
Carpenter, Charles W., Lawrenceville, Pa. Automobile pedal lock. 1,480,149; Jan. 8.
Carr Fastener Company. (See Carr, Fred S., assignor.)
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,480,530; Jan. 8.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,480,531; Jan. 8.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,480,532; Jan. 8.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether solvent and composition. 1,479,955; Jan. 8.
Carter, Thomas W., Yarmouth, Nova Scotia. Belt tightener. 1,480,046; Jan. 8.
Case & Martin Company. (See Ehrlich, William, assignor.)
Caselli, Eralia, administratrix. (See De Marchis, Attilio.)
Castro, Joseph F., and A. Rail, San Rafael, Calif. Milk-bottle opener. 1,479,956; Jan. 8.
Cattoni, Albino, Bradford, Pa. Appliance for setting and removing tires. 1,480,371; Jan. 8.
Chamberlain, George. (See Davis, Alex B., assignor.)
Chaplin, Merle F., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Friction clutch. 1,480,239; Jan. 8.
Charbonneaux, Edward A., San Francisco, Calif. Fuel and process of production. 1,480,372; Jan. 8.
Chase, Frank D., Inc. (See Webster, Towner K., jr., assignor.)
Chassy, Leon, Firminy Loire, France. Apparatus for automatically placing brake blocks on railway lines. 1,480,503; Jan. 8.
Chicago Miniature Lamp Works. (See Gast, Adolph W., assignor.)
Chiles, Edwin C., Denver, Colo. Cutter-grinding attachment for meat and bone grinders. 1,480,526; Jan. 8.
Clark, Ector L., Sidney, Tex. Ditching machine. 1,480,504; Jan. 8.
Clark, Edgar H., Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,480,240; Jan. 8.
Clark, Joseph O. (See Johns, Chilion B., assignor.)
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,480,241; Jan. 8.
Clausen, Henry P., Mount Vernon, and C. L. Goodrum, New York, N. Y., assignors to Western Electric Company, Incorporated. Telephone-exchange system. 1,480,242; Jan. 8.
Cleary, Edwin, deceased, London, England, A. Hutchinson, administrator. Oven, hot plate, bain marie, and the like. 1,480,505; Jan. 8.
Clemans, William M., Wheeling, W. Va. Refrigerator. 1,479,787; Jan. 8.
Clementz, Clarence W., assignor to Crankless Engine Company, Jacksonville, Fla. Crankless engine. 1,480,506; Jan. 8.

Clokey, Allison A., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,480,243; Jan. 8.
Clymer, William R., Cleveland, Ohio, assignor to National Carbon Company, Inc. Depolarising mixture and preparing same. 1,480,533; Jan. 8.
Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)
Colby, Eli F., Lake Mills, Iowa. Fan. 1,479,895; Jan. 8.
Coleman, James W., Moultrie, Ga. Animal feeder. 1,479,896; Jan. 8.
Coleman, William C., Wichita, Kans. Stove. 1,480,373; Jan. 8.
Collin, George W., Bridgeport, Conn. Fire extinguisher. 1,479,788; Jan. 8.
Collin, George W., Bridgeport, Conn. Automatic valve cut-off. 1,479,789; Jan. 8.
Collings, William R., and J. A. Gann, assignor to The Dow Chemical Co., Midland, Mich. Making anhydrous magnesium chloride. 1,479,982; Jan. 8.
Collins, Edwin D., Beechwood, N. J., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,479,897; Jan. 8.
Collins, Harry, Sweetwater, Tex. Battery-element remover. 1,480,195; Jan. 8.
Collins, James N., and E. G. Ozzman, assignors to J. N. Collins Company, Minneapolis, Minn. Caramel-forming machine. 1,479,898; Jan. 8.
Collins, J. N. Company. (See Collins, J. N., and Ozzman, assignors.)
Collins, W. A., Winthrop, Mass., and W. E. Tait, Wellaston, Mass., assignors of one-third to C. Booth, Worcester, Mass. Portable vise. 1,480,150; Jan. 8.
Collis, Leslie A., Putney, London, England. Construction of hydraulic lifting jacks. 1,480,508; Jan. 8.
Collis, Leslie A., Putney, London, England. Hydraulic lifting truck. 1,480,509; Jan. 8.
Colman, Frank, Lumberton, Miss. Trap. 1,480,510; Jan. 8.
Colomb, Henri, Tavannes, Switzerland. Timepiece. 1,480,511; Jan. 8.
Commercial Furniture Company. (See Stringe, Alfred H., assignor.)
Compagnie des Forges & Acieries de la Marine & D'Homecourt. (See Rimailho, Emile, assignor.)
Connecticut Tool Engineering Company, The. (See Matthews, Frank E., assignor.)
Consolidated Wafer Company. (See Mignerey, Charles, assignor.)
Cordley, Henry G. (See Long, G. R., and Cordley.)
Cornfoot, David. (See Raupp, G. J., and Cornfoot.)
Cosman, Nathan G., Coronado, Calif. Grass cutter. 1,480,151; Jan. 8.
Courtaulds Limited. (See Topham, Charles F., assignor.)
Covington, William D., Vernon, Tex. Pneumatic knee pad. 1,480,374; Jan. 8.
Cox, Abraham B., Cherry Valley, N. Y., assignor to General Reduction Gas & By-Products Company, New York, N. Y. Gas producer. 1,480,152; Jan. 8.
Cox, Elmer T. (See Suzuki, George K., assignor.)
Cramer, Judson M., Gardner, Kans. Window screen. 1,480,153; Jan. 8.
Crankless Engine Company. (See Clements, Clarence W., assignor.)
Cremer, Fred H., et al. (See Cremer, Udo H., assignor.)
Cremer, Herman F., et al. (See Cremer, Udo H., assignor.)
Cremer, Udo H., assignor of one-third to H. F. Cremer and one-third to F. H. Cremer, Minonk, Ill. Guard for harvesters. 1,480,244; Jan. 8.
Cristadoro, Charles C., assignor of one-half to T. H. Rosenberger, Los Angeles, Calif. Illuminated intaglio display device. 1,480,375; Jan. 8.
Crithfield, James C., Weaubleau, Mo. Cylinder grinding mechanism. 1,480,512; Jan. 8.
Crossley, Alfred, Washington, D. C., assignor to The Hartman Electrical Manufacturing Company, Mansfield, Ohio. Variocoupler. 1,480,534; Jan. 8.
Crowell, Charles H., Brooklyn, N. Y. Corrugated board container and blank therefor. 1,480,047; Jan. 8.
Crutchfield, Phillips E., assignor of one-third to C. E. Keegan and one-third to R. L. Blackwell, Conyers, Ga. Poison distributor. 1,480,154; Jan. 8.
Cruver, Curtis L., Chicago, Ill. Button pencil clasp. 1,479,957; Jan. 8.
Cudworth, Royal W., San Francisco, Calif. Check-book clamp. 1,480,196; Jan. 8.
Cudworth, Royal W., San Francisco, Calif. Slaughtering device. 1,480,197; Jan. 8.
Curtiss Aeroplane and Motor Company. (See Kirkham, Charles B., assignor.)
Danbey, Robert C., assignor to The Miller Rubber Company, Akron, Ohio. Forming hollow inflated rubber articles. 1,480,376; Jan. 8.
Dailey, Owen R., Nichols, Wis. Device for catching flies or other insects. 1,480,245; Jan. 8.
Dallman Machine and Manufacturing Company. (See Smith, Claude C., assignor.)
Daly, James J., Three Rivers, Mich. Fiber shipping case. 1,480,377; Jan. 8.
Dana, Leslie, St. Louis, Mo. Coal heater. Des. 63,708; Jan. 8.
Daniell, Sven D. (See Kalling, B. M. S., and Daniell.)
Dauiken, John F., Adonia, Mo. Valve-spring tool. 1,480,513; Jan. 8.
Darco Corporation. (See Demme, Rod A., assignor.)
Darling, Philip G., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Valve-lifting device. 1,480,155; Jan. 8.
Davies, Alfred E. (See Thompson, H. H., and Davies.)
Davis, Alex B., Cincinnati, Ohio, assignor of one-half to G. Chamberlain, Decatur, Ill. Evaporation-preventing mantle. 1,479,790; Jan. 8.
Davis, Charlie H., et al. (See Herrell, Claude C., assignor.)
Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,479,083; Jan. 8.
Davis, Harold G., Denver, Colo. Sight for firearms. 1,480,048; Jan. 8.
Davis, William O., et al. (See Herrell, Claude C., assignor.)
Day, J. H., Company, The. (See Moores, Joel, assignor.)
Deakin, Gerald, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,479,984; Jan. 8.
De Armond, Charles F., assignor to Elko Drill Co., Elko, Nev. Fishing tool. 1,480,378; Jan. 8.
Debrie, André L. V. C. (See Jeapes, W. C., and Debrie.)
Deer, A. J., Company, The. (See Hand, E. A., and Wygant, assignors.)
Degenring, Gustav, Elizabeth, N. J. Slip-on cover for books and the like. 1,479,791; Jan. 1.
Delvin, Frank E., Leslie, Mich., and R. B. Delvin, Evanston, Ill. Electric automatic train-stop system. 1,479,782; Jan. 8.
Delvin, Ray B. (See Delvin, Frank E. and R. B.)
De Marchis, Attilio (deceased), by E. Caselli, administratrix, Rome, Italy. Electrical instantaneous water heater with continuous circulation working at different voltages. 1,480,515; Jan. 8.
Demme, Rod A., assignor to Darco Corporation, New York, N. Y. Decolorizing carbon and making same. 1,479,851; Jan. 8.
Denkhoff, Josephine, Sausalito, Calif. Photograph and the like. 1,480,198; Jan. 8.
Denman-Jones, Adrian, London, England. Heater for motor cars. 1,479,966; Jan. 8.
Dennis, John T., jr., Elberton, Ga. Time calculator. 1,480,156; Jan. 8.
De Ridder, Oliver E., Rochester, N. Y. Making shoes. 1,479,899; Jan. 8.
Derschug, John N., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Clothes-washing machine. 1,480,157; Jan. 8.
De Vos, Kenneth M., and E. W. Bagg, Detroit, Mich. Ventilator or air ejector. 1,480,488; Jan. 8.
Dobson, Graham C., New York, N. Y. Toilet seat. 1,480,516; Jan. 8.
Doolittle, Horace G., Knoxville, Iowa. Wall-paper pasting and folding machine. 1,480,517; Jan. 8.
Dornier, Claudius, Friedrichshafen, Germany. Hull of flying machines. 1,479,901; Jan. 8.
Dorner, John A., and F. C. Francisco, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and machine for making cabled structures. 1,479,900; Jan. 8.
Doscher, Carl F. (See Thompson, R. S., and Doscher.)
Dotner, Hugo, Seattle, Wash. Brake mechanism. 1,480,049; Jan. 8.
Dotzer, Hugo, Seattle, Wash. Brake mechanism. 1,480,050; Jan. 8.
Douglas, Charles E., Nashua, N. H. Edging for roof coverings. 1,480,246; Jan. 8.
Douglas, James W., et al. (See Jackson, Richard, jr., assignor.)
Dove, Walter T., U. S. Army, assignor to N. D. Baker, Secretary of War, trustee. Truck body. 1,480,247; Jan. 8.
Dow Chemical Co., The. (See Collings, W. R., and Gann, assignors.)
Dow Chemical Company, The. (See Seaton, Max Y., assignor.)
Draper Corporation. (See Keegan, Patrick, assignor.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Du Bois, David I. (See Headley, B. T., Thompson, and Du Bois.)
Dudley, Hettie J., Richmond, Va. Fancy bag. Des. 63,709; Jan. 8.
Duff, Michael J., Bridgeport, Conn. Doll. Des. 63,710; Jan. 8.
Duffus, Robert, Lutterworth, England. Foundry molding machine. 1,479,958; Jan. 8.
Dunbar, Frank H., Cleveland, Ohio. Ash gate. 1,480,248; Jan. 8.
Dunston, William H. (See Madison, W. A., and Dunston.)
Duntley, J. W. (See Osborn, Jesse C., assignor.)
Du Pont, E. I. de Nemours & Company. (See Joyner, Reginald A., assignor.)
Dupont, George. (See Cadgene, E. and Dupont.)
Durant Motors Incorporated. (See Sturt, A. T., and Robinson, assignors.)
Durick, Henry C., Worcester, and J. T. Bird, Boston, Mass., assignors to Worcester Paper Box Company. Folding display box. 1,480,199; Jan. 8.
Dye, Carl D., Detroit, Mich. Slicing machine. 1,480,951; Jan. 8.
Eastman Kodak Company. (See Sexton, C. A., and Jacquet, assignors.)

Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See Evans, Henry B., assignor.)
Eastman Kodak Company. (See Flynn, Edward P., assignor.)
Eastman Kodak Company. (See Sulzer, Albert F., assignor.)
Eberhart, Cleburne, jr., Buffalo, N. Y. Hood fastener for automobiles. 1,480,518; Jan. 8.
Eckhard, William. (See White, J. and Ekhard.)
Ecklund, Swan C., Hershey, Nebr. Making mosaic, miter-square work. 1,480,519; Jan. 8.
Edgewater Steel Company. (See Bell, Frank B., assignor.)
Edwards, Janie, Cardin, Okla. Clothes holder for clotheslines. 1,480,249; Jan. 8.
Eek, Albin C., Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fastenings. 1,479,793; Jan. 8.
Ehrlich, William, assignor to Case & Martin Company, Chicago, Ill. Pie marker. 1,480,250; Jan. 8.
Electric Auto-Lite Company, The. (See Pomeroy, P. W., and Schneider, assignors.)
Electric Controller & Manufacturing Company, The. (See Stratton, Harry F., assignor.)
Electrol Manufacturing Company. (See Williams, Horace M., assignor.)
Elko Drill Co. (See De Armond, Charles F., assignor.)
Elliott, Harriet A., executrix. (See Elliott, Sterling.)
Elliott, Roy D., and O. J. Jacobsen, Crockett, Calif. Settling tank. 1,480,379; Jan. 8.
Elliott, Sterling, deceased, by Harriet A. Elliott, executrix, Newton, Mass. Stencil. 1,480,200; Jan. 8.
Ellis, Arthur B., Seattle, Wash., assignor to The Reliable Signal Co. (Signal for vehicles. 1,480,158; Jan. 8.
Ellis, Carleton, Montclair, N. J. Process and apparatus for hydrogenation. 1,480,251; Jan. 8.
Elmes, William. (See Hiddleson, George W., assignor.)
Elrod, Robert B., Lincoln, Nebr. Tent. 1,480,380; Jan. 8.
Ellison, William A., assignor to D. F. Murphy, Salem, Mass. Strap wrench. 1,479,902; Jan. 8.
Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Embury Manufacturing Company. (See McDade, Edward J., assignor.)
Emerson, Victor H., New York, N. Y., assignor to Kiddie Rekord Company, Inc., Plainfield, N. J. Phonograph-record device. 1,479,794; Jan. 8.
Endebrock, John C., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer coupling device. 1,479,796; Jan. 8.
Engelhardt, Alfred, Wiesdorf, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Treating and purifying gases containing hydrogen sulphide. 1,479,852; Jan. 8.
Enomoto, Daniel, Berkeley, Calif. Bottle-stopper shield. 1,479,985; Jan. 8.
Eoff, John R., jr., St. Louis, Mo., assignor to Vitamine Products Company. Vitamin compound. 1,480,520; Jan. 8.
Epley, Clarence W., Gettysburg, Pa. Portable table. 1,480,052; Jan. 8.
Erickson, Edward. (See Knott, C. L., and Erickson.)
Ericsson, Eric W., Brooklyn, N. Y. Razor-blade holder. 1,480,053; Jan. 8.
Erie Electrical Equipment Company. (See Selah, Howard A., assignor.)
Erland, Knud, Seattle, Wash. Combination hammock and bag. 1,479,903; Jan. 8.
Essex Motors. (See Fekete, Stephen I., assignor.)
Evans, George E., Waco, Tex. Cotton gin. 1,480,054; Jan. 8.
Evans, Henry B., Kankakee, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,479,959; Jan. 8.
Eveleigh, Frank M., Auckland, New Zealand. Construction of automatic pressure alarm. 1,479,797; Jan. 8.
Everhart, Stuart L., Dowagiac, Mich. Cushion tire. 1,480,201; Jan. 8.
Ewing, Ira E. (See Hinerman, H., Meyers, and Ewing.)
Falker, Henry W., Ashland, Pa. Compound gyratory screening device. 1,479,904; Jan. 8.
Faller, James, and I. Lapidus, Brooklyn, N. Y. Gun. 1,480,521; Jan. 8.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Engelhardt, Alfred, assignor.)
Faries, Joseph R. (See Cobients, G. W., Faries and Bond.)
Federal Electric Company. (See Simpson, Tracy W., assignor.)
Federal Glass Company. (See Marble, William B., assignor.)
Federated Engineers Development Corporation. (See Glover, Truman J. assignor.)
Federated Engineers Development Corporation. (See Potter, Thomas I., assignor.)
Feig, Curt, assignor to Junior Hosiery Company, Philadelphia, Pa. Stocking or sock top. 1,480,381; Jan. 8.
Fekete, Stephen I., assignor to Essex Motors, Detroit, Mich. Heater for intake manifold for internal-combustion engines. 1,479,905; Jan. 8.
Feldstein, Max, Chicago, Ill. Toothbrush case. 1,479,800; Jan. 8.
Fellows, Frederick W., Los Angeles, Calif. Solar compass. 1,480,055; Jan. 8.
Fennelly, Mary R., Alexandria, La. Clothes-handling implement. 1,480,159; Jan. 8.
Ferguson, Charles A., North East, Md. Stop for carriages of metal-working machines. 1,480,522; Jan. 8.
Ferguson, David, Pittsburgh, Pa. Coke-oven-clearing mechanism. 1,480,160; Jan. 8.
Ferguson, George, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rubber sole. 1,479,798; Jan. 8.
Fesler, Douglas F., Chicago, Ill., assignor to The Bassick Manufacturing Company. Lubricating device. 1,479,986; Jan. 8.
Fetter, Edward, Baltimore, Md. Inner tube. 1,480,252; Jan. 8.
Fiedler, Louis, assignor to Benjamin Gross Company, Inc., New York, N. Y. Finger ring or article of similar nature. Des. 63,711; Jan. 8.
Field, Crosby, Yonkers, N. Y. Crystallizing fluids. 1,480,382; Jan. 8.
Figge, Carroll C., Chicago, Ill. Flashing. 1,480,383; Jan. 8.
Fisher, Daniel C., Boston, Mass. Turnbuckle. 1,480,253; Jan. 8.
Fisher, William H., Brockton, Mass. Mop. 1,479,906; Jan. 8.
Fletcher, Harold W., Houston, Tex. Gear-operated lubricator. 1,480,536; Jan. 8.
Flinchbaugh, Frederick T., York, Pa. Cylinder-reboring machine. 1,480,254; Jan. 8.
Flint, Dutee W., Cranston, R. I. Wooden shaft. 1,480,056; Jan. 8.
Flynn, Edward P., assignor to Eastman Kodak Company, Rochester, N. Y. Sensitive-material unit. 1,479,960; Jan. 8.
Ford, Ralph L., Chicago, Ill., assignor to International Harvester Company. Disk and scraper mounting. 1,480,161; Jan. 8.
Forest, Ben F. (See Glaudel, George, assignor.)
Forsyth, George H., Chicago, Ill. Window sash. 1,479,799; Jan. 8.
Fosburgh, Ogden D., St. Joseph, Mo. Tire chain. 1,480,384; Jan. 8.
Fowler, Fred D., assignor to Hood Rubber Company, Watertown, Mass. Solid tire. Des. 63,712; Jan. 8.
Francis, Henry, Shepherds Bush, England. Device for locking electric incandescent lamps in their lamp holders. 1,480,523; Jan. 8.
Francisco, Fred C. (See Dorner, J. A., and Francisco.)
Fraser, Hannah C., Bournemouth, England. Stocking and like garment and to attachments therefor. 1,480,385; Jan. 8.
Fraser, William J., Toronto, Ontario, Canada. Signboard. 1,479,987; Jan. 8.
Friedl, Herman, Chicago, Ill. Manufacturing ice. 1,480,255; Jan. 8.
Friedley Voshardt Company. (See Mohrmann, Paul, assignor.)
Gage, Owen A., Muskegon, Mich. Hose clamp. 1,479,988; Jan. 8.
Gál, Ödön, Budapest, Hungary. Motor plow. 1,480,386; Jan. 8.
Gallagher, J. C. (See Gibson, Symon Z., assignor.)
Gambee, Isaac C., Seattle, Wash. Animal trap. 1,479,853; Jan. 8.
Gann, John A. (See Collings, W. R. and Gann.)
Garlick, Ernest T., Saginaw, Mich. Advertising novelty. 1,480,524; Jan. 8.
Garrett, Henry Y., Atlanta, Ga. Adjustable shade protector. 1,480,387; Jan. 8.
Gast, Adolph W., assignor to Chicago Miniature Lamp Works, Chicago, Ill. Making glass-plate letters. 1,479,801; Jan. 8.
Gatchell, George S., Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 1,479,907; Jan. 8.
Gates, Major E., Terra Cotta, Ill. Fluid-controlling device. 1,480,256; Jan. 8.
Gavin, Martin J. (See Bowie, C. P., and Gavin.)
General Chemical Company. (See Allen, Frank M., assignor.)
General Elevator Company. (See Zorn, George R., assignor.)
General Motors Corporation. (See Biebinger, David A., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Krotz, Alvaro S., assignor.)
General Motors Corporation. (See Short, C. R., and Summers, assignors.)
General Motors Corporation. (See Short, C. R., and Taub, assignors.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Reduction Gas and By-Products Company. (See Broome, Ernest L., assignor.)
General Reduction Gas & By-Products Company. (See Cox, Abraham B., assignor.)

Gerlinger, Carl F., Dallas, Oreg. Lumber carrier. 1,480,257; Jan. 8.
Gernsback, Sidney. (See McLaughlin, James L., assignor.)
Geschwind, Lucien J., assignor to Sté. A. des Manufactures de Produits Chimiques du Nord-Etablissements Kuhlmann, Paris, France. Mechanically-operated furnace for roasting pyrites. 1,480,525; Jan. 8.
Gesellschaft für Drahtlose Telegraphie m. b. H., Halesches Ufer 12/13. (See Von Arco, Graf Georg, assignor.)
Gibson, Elmer G., Herington, Kans. Oil burner. 1,480,430; Jan. 8.
Gibson, Symon Z., assignor of one-half to J. C. Gallagher, Seattle, Wash. Hair clipper. 1,480,057; Jan. 8.
Gladue, Wilfred J., Providence, R. I. Shuttle. 1,480,535; Jan. 8.
Glaudel, George, assignor to B. F. Forest, Los Angeles, Calif. Windshield attachment. 1,480,432; Jan. 8.
Glendenning, Everett B., assignor to McTarnahan Fuel Oil Burning Corporation, Boston, Mass. Valve. 1,479,802; Jan. 8.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Globe Wernicke Co. (See Ringley, William A., assignor.)
Glover, Truman J., Caldwell, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Press plate or die for manufacturing phonograph records. 1,480,258; Jan. 8.
Goen, Bob, Millsap, Tex., assignor to Acme Brick Company, Fort Worth, Tex. Forming rug texture surfaces on brick and tile and the like. 1,480,433; Jan. 8.
Goff, Frank C., Denver, Colo. Fuel conditioner for internal-combustion engines. 1,479,803; Jan. 8.
Golden, Alphonsus L., Oakland, Calif., assignor to National Radio Company, San Francisco, Calif. Oscillator. 1,480,388; Jan. 8.
Goldie, William, Wilkinsburg, Pa. Multiple cement-block-molding apparatus. 1,480,058; Jan. 8.
Goode, Ewart N., and M. J. Johns, Mount Morgan, Queensland, Australia. Feeding of fuel to blast furnaces. 1,480,434; Jan. 8.
Goodrich, B. F. Company, The. (See Dorner, J. A., and Francisco, assignors.)
Goodrich, B. F. Company, The. (See Ambler, R. R., and Wilson, assignors.)
Goodrum, Charles L., assignor to Western Electric Company Incorporated, New York, N. Y. Telephone system. 1,480,202; Jan. 8.
Goodrum, Charles L. (See Clausen, H. P., and Goodrum.)
Goodrum, Charles L. (See Lattig, J. W., and Goodrum.)
Goshia, Albert H., Sherwood, Ohio. Scissors. 1,479,908; Jan. 8.
Gouldbourn, Joseph, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening-handling mechanism. 1,479,804; Jan. 8.
Government of the United States, The. (See Stone, Andrew J., assignor.)
Graf, Theodore H., Louisville, Ky., assignor to Southern Signal Company, Inc., Birmingham, Ala. Grate and mounting. 1,480,431; Jan. 8.
Graffin, John J., Atlanta, Ga. Vacuum-control apparatus. 1,479,909; Jan. 8.
Granberg, Albert J., assignor to The Granberg Meter Company, San Francisco, Calif. Fluid meter. 1,479,961; Jan. 8.
Granberg Meter Company, The. (See Granberg, Albert J., assignor.)
Grayson, John H., assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio. Gas heater. Des. 63,713; Jan. 8.
Grayson, John H., Athens, Ohio. Gas heater. Des. 63,714; Jan. 8.
Grayson, John H., Athens, Ohio. Gas heater. Des. 63,715; Jan. 8.
Grayson, John H., Athens, Ohio. Gas heater. Des. 63,716; Jan. 8.
Grayson, J. H., Manufacturing Company, The. (See Grayson, John H., assignor.)
Grecu, John, New York, N. Y. Fly paper. 1,480,539; Jan. 8.
Green Engineering Company. (See Poppenheusen, Herman A., assignor.)
Green, Irvin, Pontiac, Ill. Gutter bracket. 1,480,435; Jan. 8.
Green, Leslie P., Chicago, Ill. Scraper. 1,480,389; Jan. 8.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,480,059; Jan. 8.
Greenawalt, William E., Denver, Colo. Metallurgical apparatus. 1,480,060; Jan. 8.
Greiner, Louis C., Evansville, Ind. Cabinet for calculating machines. 1,480,259; Jan. 8.
Griffin, James A., Baltimore, Md., assignor to F. S. Royster Guano Company, Norfolk, Va. Pump. 1,480,436; Jan. 8.
Grissinger, Elwood, assignor to L. A. Grissinger, Buffalo, N. Y. Phonograph and analogous apparatus. 1,480,203; Jan. 8.
Grissinger, Lucy A. (See Grissinger, Elwood, assignor.)
Groff, Emory L. (See Armstrong, V. C., and Groff.)
Groff, Emory L., Washington, D. C., assignor to The Rail Joint Company, New York, N. Y. Splice bar for rail joints. 1,480,437; Jan. 8.
Gross, Benjamin, Company. (See Fiedler, Louis, assignor.)
Grotta, Bennett, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Devices for igniting flash-light powder. 1,480,162; Jan. 8.
Guilfoyle, John J., F. W. Wilkes, and B. E. Brierton, Birmingham, Ala. Machine for truing lens-grinding laps. 1,480,438; Jan. 8.
Gustafson, Gustaf O., Branford, Conn. Safety cranking means for internal-combustion engines. 1,480,061; Jan. 8.
Gutman, Sylvester A., Flint, Mich. Lockhandle. 1,480,062; Jan. 8.
Gutridge, Eldon A., Ottawa, Kans. Extension table. 1,479,805; Jan. 8.
Haas, Victor E., assignor of one-half to W. E. Waldo and one-half to S. E. Starr, Toledo, Ohio. Blowpipe. 1,480,260; Jan. 8.
Hacker, Frederick J., Waterloo, Iowa. Roof gutter and holder. 1,480,261; Jan. 8.
Haley, Mark A., assignor to Onondaga Pottery Company, Syracuse, N. Y. Covered dish. Des. 63,717; Jan. 8.
Hall, Clarence I., and A. Samuelson, assignors to C. J. Root, Terre Haute, Ind. Conveyer in glass-making apparatus. 1,480,063; Jan. 8.
Hall Printing Press Company. (See White, J., and Eckhard, assignors.)
Hamilton, Henry J. E., North Broken Hill, New South Wales, Australia. Treatment of sulphide and oxidized ores. 1,480,439; Jan. 8.
Hand, Ernest A., and F. A. Wygant, assignor to The A. J. Deer Company, Incorporated, Hornell, N. Y. Article holder for slicing machines. 1,479,962; Jan. 8.
Hansen, Christian L., and E. H. Peer, Charles City, Iowa; said Peer assignor to said Hansen. Excavating apparatus. 1,479,806; Jan. 8.
Hansen, Cornelius T., Big Sandy, Mont. Draft evener. 1,480,204; Jan. 8.
Harbaugh, Maurice, et al. (See Naugle, Howard N., assignor.)
Hardman, Cornelius B., Columbus, Ohio. Safety device for ignition mechanism. 1,479,910; Jan. 8.
Hardman, Walter A., Brooklyn, N. Y. Card holder for typewriters. 1,480,440; Jan. 8.
Harmon, Frank P., Lisbon, assignor of one-fourth to T. S. Pitcock, Dallas, Tex. Centrifugal pump. 1,480,441; Jan. 8.
Harper, Reuben H., Chicago, Ill. Adjustable thread cutter. 1,479,911; Jan. 8.
Harris, Ford W., Los Angeles, assignor to Petroleum Rectifying Company of California, San Francisco, Calif. Electric dehydrator. 1,480,064; Jan. 8.
Harris, John, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Machine for cutting and welding with fluid fuel. 1,479,989; Jan. 8.
Harrison, Mortimer A., Madera, Calif. One-man control for tractor and truck attachments. 1,479,912; Jan. 8.
Hart, Deane L. (See Hart, Elbridge J. and D. L.)
Hart, Elbridge J. and D. L. Cleveland, Ohio. Garment hanger. 1,480,065; Jan. 8.
Hart, Sidney H., Brooklyn, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,480,163; Jan. 8.
Hartford, Edward V., deceased. (See Johnson, Ernest M., assignor.)
Hartford, Henrietta P., administratrix. (See Johnson, Ernest M.)
Hartman Electrical Manufacturing Company, The. (See Crossley, Alfred, assignor.)
Hartness, James, Springfield, Vt. Apparatus for inspecting and gauging screw threads. 1,480,390; Jan. 8.
Harvey, Tom, jr. (See Butterfield, E. H., and Otterbein, assignors.)
Hathaway, Edgar F., Dorchester, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-drawing machine. 1,479,807; Jan. 8.
Hatheway, William E., Bridgeport, Conn. Buckle. 1,479,913; Jan. 8.
Hausser, C. A., & Son. (See Hausser, Carl A., assignor.)
Hausser, Carl A., assignor to C. A. Hausser & Son, Philadelphia, Pa. Hæmacytometer. 1,480,391; Jan. 8.
Hawkins, Benjamin A., assignor to G. E. Hawkins, Providence, R. I. Hot-water-heater gas regulator. 1,480,262; Jan. 8.
Hawkins, Gala E. (See Hawkins, Benjamin A., assignor.)
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition equipment. 1,480,164; Jan. 8.
Hayes, Oscar, Johnstown, Pa. Manifold for motor cars. 1,480,066; Jan. 8.
Hayward, Charles H. D., Newark, N. J. Means for starting internal-combustion engines. 1,479,808; Jan. 8.
Headley, Benjamin T., Millville, N. J., P. H. Thompson, deceased, by R. M. Thompson, executrix, and D. I. Du Bois, assignors to Whitall-Tatum Company, Millville, N. J. Transfer mechanism for vial-working machines. 1,479,809; Jan. 8.
Heck, John T., Hedrick, Ind. Circuit breaker. 1,480,442; Jan. 8.

Heinkel, Christian F., assignor to The Stanley Foundry Engineering and Equipment Co., Cleveland, Ohio. Conveyer. 1,480,067; Jan. 8.
Heinrich, Jules. (See Vandergaw, E. B., and Heinrich.)
Heller, Albert L., Chicago, Ill. Display cabinet. 1,480,537; Jan. 8.
Heller, David E., Wilkes-Barre, Pa. Union garment. 1,479,854; Jan. 8.
Henry & Wright Mfg. Co. (See Bowers, C. L., and Boone, assignors.)
Herman, Edgar, Fairfield, Iowa. Animal hopple. 1,480,442; Jan. 8.
Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric & Manufacturing Co. Locomotive. 1,480,392; Jan. 8.
Herrell, Claude C., Yona, assignor of one-fourth to C. H. Davis and one-fourth to W. O. Davis, Kiowa, Colo. Antifreeze vent for pumps. 1,480,068; Jan. 8.
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Hiddleson, George W., assignor of three-fourths to W. Elmes, Beaver Falls, Pa. Dispensing apparatus. 1,479,810; Jan. 8.
Hill, Lincoln W., San Francisco, Calif. Motion-picture screen and producing same. 1,480,205; Jan. 8.
Hinerman, Harry, C. Meyers, and I. E. Ewing, Wheeling, W. Va. Vacuum-producing device for suction cleaners. 1,479,811; Jan. 8.
Hipple, William H. J., jr., Philadelphia, Pa. Cigarette extinguisher. 1,480,069; Jan. 8.
Hodges, Emery C., Joliet, Ill. Hydraulic press. 1,479,885; Jan. 8.
Hoffman, Willie, Chicago, Ill. Portable buffing tool. 1,480,263; Jan. 8.
Hoffmann, Henry L., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,480,206; Jan. 8.
Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Dillon, N. Y. Typewriting machine. 1,480,264; Jan. 8.
Holman, Leslie A., Waltham, Mass. Nailing machine. 1,480,444; Jan. 8.
Holmberg, Charles G., jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand-twisting machine. 1,480,207; Jan. 8.
Holt, Joseph W., Brooklyn, assignor to Union Paper Company, New York, N. Y. Paper-tube-making machine. 1,479,812; Jan. 8.
Holzapfel, John A., Jackson, Mich. Anchor-rope pulley. 1,479,813; Jan. 8.
Hood, Harrison H., Los Angeles, Calif., assignor to Thimmeway Titles, Inc., Hollywood, Calif. Film lettering and fitting device. 1,480,265; Jan. 8.
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hoosick Falls Radio Parts Manufacturing Company, Inc. (See Burns, Frank H., assignor.)
Hop, Arie, Maurice, Iowa. Radiator-draining attachment. 1,479,963; Jan. 8.
Horlacher, Scott D., and W. E., Tunkhannock, Pa. Toy electric steam engine. 1,480,445; Jan. 8.
Horlacher, William E. (See Horlacher, Scott D., and W. E.)
Hornbeck, Henry S., Union Hill, N. J. Sheet adjuster for printing presses. 1,479,914; Jan. 8.
Hotchkiss, E. H. Company, The. (See Hart, Sidney H., assignor.)
Houghton, E. F., & Company. (See Pressell, George W., assignor.)
Houghton, Shadrach H. (See Warrick, O. S., and Houghton.)
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,480,208; Jan. 8.
Hover, Herbert A. (See Stafford, Frederick S., assignor.)
Hoving, Fritz, assignor to Raymond Bros. Engineering Company, Chicago, Ill. Switching valve. 1,480,070; Jan. 8.
Howell, Julius, St. Louis, Mo. Packing and storing chest. 1,480,446; Jan. 8.
Hrachovina, Vincent F., St. Paul, Minn. Bed attachment for automobiles. 1,480,071; Jan. 8.
Hubbell, Harvey, Bridgeport, Conn. Separable attachment plug. 1,480,072; Jan. 8.
Hufft, Louis, et al. (See Sauton, George H., assignor.)
Hughes Tool Company. (See Scott, Floyd L., assignor.)
Hulse, George E., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Connecting device for belts. 1,479,915; Jan. 8.
Humason, Granville A., and J. F. Bashara, Houston, Tex. Air compressor. 1,479,856; Jan. 8.
Humason, Granville A., Houston, Tex. Well-packer attachment for pumps. 1,479,964; Jan. 8.
Huntley, Ernest R., assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio. Speedometer. 1,480,073; Jan. 8.
Huntley, Ernest R., assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio. Spring seat. 1,480,074; Jan. 8.
Huston, Martha M., Springfield, Ohio. Reflector box. 1,480,447; Jan. 8.
Hutchinson, Alfred, administrator. (See Cleary, Edwin.)
Ickenroth, John, Richmond Heights, Mo. Headrest for motorists. Re15,742; Jan. 8.
Ickenroth, John, Richmond Heights, Mo. Headrest for motorists. Re15,742; Jan. 8.
Independent Paper Mills, Inc. (See Arelt, Charles, assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)
Inland Empire Paper Co. (See Brown, George W., assignor.)
International Filter Co. (See Wagner, Walter, assignor.)
International Harvester Company. (See Ford, Ralph L., assignor.)
International Harvester Company. (See Rand, Charles A. A., assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Silver Company. (See Kintz, Alfred G., assignor.)
Ioor, John P., Philadelphia, Pa. Combination lock. 1,479,965; Jan. 8.
Iven, Charles J., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for motor vehicles. 1,480,266; Jan. 8.
Ivie, Emory M., Atlanta, Ga. Safety brake. 1,480,540; Jan. 8.
Jackson, David G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,479,814; Jan. 8.
Jackson, Louis F., Starkville, Miss. Timer-lubricating device. 1,479,857; Jan. 8.
Jackson, Richard, jr., San Francisco, Calif., assignor of one-third to A. R. Reese and one-third to J. W. Douglas, Denver, Colo. Basket-ball goal-indicator. Re15,739; Jan. 8.
Jacobi, Rudolf, San Diego, Calif. Animal trap. 1,480,075; Jan. 8.
Jacobs, Joseph M., Tampico, Ill. Stock-watering apparatus. 1,479,916; Jan. 8.
Jacobsen, Otto J. (See Elliott, R. D., and Jacobsen.)
Jacquet, Etienne. (See Semtou, C. A., and Jacquet.)
Jacquet, Georges, Charleroi, Belgium. Checking apparatus for pigeon-flying competitions. 1,480,076; Jan. 8.
Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave call-signaling system. 1,480,209; Jan. 8.
Jeapes, William C., Belmont, England, and A. L. V. C. Debrie, Paris, France. Cinema film and like strip having feed perforations and mechanism cooperating with said perforations. 1,480,514; Jan. 8.
Jeffries, Van Oran, Columbus, Ohio. Building construction. 1,479,976; Jan. 8.
Jenkins, John L., Port Chester, N. Y. Universal tool turret. 1,480,165; Jan. 8.
Jenney, Charles D., Detroit, Mich. Liquid-volume indicator. 1,479,856; Jan. 8.
Jensen-Salsbery Laboratories, Inc. (See Salsbery, Charles E., assignor.)
Jenson, Jens C. (See Behnke, A., and Jenson.)
Johns, Chilion B., Ebensburg, assignor of one-half to J. O. Clark, Glen Campbell, Pa. Sand-pipe heater. 1,480,393; Jan. 8.
Johns, Morgan J. (See Goode, E. N., and Johns.)
Johnson, Clarence L., Littleton, Colo. Bed and play pen. 1,479,967; Jan. 8.
Johnson-Cowdin-Emmerich. (See Bushnell, Olive, assignor.)
Johnson-Cowdin-Emmerich, Inc. (See Petruccelli, Antonio, assignor.)
Johnson, Edward A., Brooklyn, N. Y., assignor to Apex Specialties Corporation, New York, N. Y. Hose clamp. 1,479,917; Jan. 8.
Johnson, Edward E., St. Paul, Minn. Die-forging machine. 1,480,077; Jan. 8.
Johnson, Ernest M., Jersey City, N. J., assignor to E. V. Hartford, Deal, N. J.; P. Hartford, administratrix of said E. V. Hartford, deceased. Snap switch. 1,480,394; Jan. 8.
Johnson, John W., and R. Mieritz, Milwaukee, Wis. Acetylene-torch injector. 1,479,815; Jan. 8.
Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone circuits and operating the same. 1,480,210; Jan. 8.
Johnston, Clarence L., Oakland, Calif., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Autographic sales-check-printing machine. 1,480,395; Jan. 8.
Jones, Howard C. (See Walsh, W. E., and Jones.)
Jones, Martin A. (See Krollage, Rudolph, assignor.)
Jorgensen, Olav B., New York, N. Y. Piston. 1,479,816; Jan. 8.
Joyner, Reginald A. Stevenston, Scotland, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of hydrazine. 1,480,166; Jan. 8.
Junior Hosiery Company. (See Feig, Curt, assignor.)
Jute Industries Limited. (See Sandeman, Frederick D. S., assignor.)
Kahn, Joseph, Chicago, Ill. Loose-leaf binder. 1,479,817; Jan. 8.
Kahne, Michael, New York, N. Y. Blanket-holding device for cribs. 1,479,818; Jan. 8.

Kalling, Bo M. S., and Sven D. Daniell, Trollhattan, Sweden, assignors to Aktiebolaget Ferrolegeringar, Stockholm, Sweden. Manufacture of manganese or of manganese alloys poor in carbon and silicon. 1,480,267; Jan. 8.
Kanard Company, The. (See Linard, Howard W., assignor.)
Kaufman, James A., Ashland, Ohio. Pedal attachment. 1,480,211; Jan. 8.
Kaufmann, Jacob, Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,480,396; Jan. 8.
Keegan, Patrick, Lowell, assignor to Draper Corporation, Hopedale, Mass. Warp stop motion for looms. 1,480,448; Jan. 8.
Kégresse, Adolphe, Paris, France. Supporting and driving band for motor cars. 1,480,078; Jan. 8.
Kendall, William G., Newark, N. J., assignor to H. Rigaud, Paris, France, also known as Parfumerie Rigaud, New York, N. Y. Lip-stick holder. 1,480,449; Jan. 8.
Kennedy, Harvey B., Pittsburg, Kans. Arch support. 1,480,079; Jan. 8.
Kent, Wood D., Kansas City, Mo. Cabinet and wardrobe. 1,480,080; Jan. 8.
Keys, Alvin, Mariette, Mich. Automatic silage feeder. 1,479,990; Jan. 8.
Keyser, Elmer E., Sioux City, Iowa. Ice-harvesting machine. 1,480,450; Jan. 8.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 63,718; Jan. 8.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 63,719; Jan. 8.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 63,720; Jan. 8.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 63,721; Jan. 8.
Kiddie Rekord Company. (See Emerson, Victor H., assignor.)
Kidwell, John W., Hartford, Conn. Smokers' appliance. 1,480,268; Jan. 8.
Kielmann, William A. (See Meyer, August, assignor.)
King, Alexander H., and H. H. Young, Keyport, N. J., assignors to Aeromarine Plane & Motor Company. Starting mechanism. 1,480,397; Jan. 8.
King, Robert W., New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,479,991; Jan. 8.
Kinney, Henry J., Indianapolis, Ind. Mathematical game apparatus. 1,479,992; Jan. 8.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 63,722; Jan. 8.
Kirchhoff, Frederick C., San Francisco, Calif. Ice-cream scoop. 1,480,398; Jan. 8.
Kirkham, Charles B., Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc. Motive-power system for aircraft. 1,479,993; Jan. 8.
Kling, Fred E., Youngstown, and L. B. Weidlein, Cleveland, Ohio. Dry gas cleaner. 1,480,399; Jan. 8.
Klomhaus, Gustav, Plainfield, Ill. End gate. 1,480,081; Jan. 8.
Klonick, Harry, Rochester, N. Y. Nonskid chain. 1,480,269; Jan. 8.
Kluever, Anne J., Lakewood, Ohio. Heater. 1,479,819; Jan. 8.
Knapp Brothers Manufacturing Company. (See Knapp, George A., assignor.)
Knapp, George A., Chicago, Ill., assignor to Knapp Brothers Manufacturing Company. Metal trim for plastered walls. 1,480,400; Jan. 8.
Knott, Clyde L., and E. Erickson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Compressing machine. 1,479,795; Jan. 8.
Koch, Camille J., assignor of one-half to E. G. Koch, Bayou Goula, La. Baby carriage. 1,480,451; Jan. 8.
Koch, Edward G. (See Koch, Camille J., assignor.)
Koehler, William, Cleveland, Ohio. Making antifriction metal. 1,479,859; Jan. 8.
Koehring Company. (See Lichtenberg, Erich H., assignor.)
Kolstad, Ole O., Duluth, Minn. Mail box. 1,480,452; Jan. 8.
Kopitke, William H., assignor to American Beet Harvester Company, Toledo, Ohio. Beet-harvesting machine. 1,480,270; Jan. 8.
Koppers, Heinrich, Essen-Ruhr, Germany. Installation for degasifying noncoking bituminous materials at low temperature. 1,480,271; Jan. 8.
Kratochvil, Frank A., Chicago, Ill. Mirror washbasin. 1,480,082; Jan. 8.
Krements & Company. (See Underwood, Earl, assignor.)
Kridler, Bernie C., and J. C. Boyle, assignors to The Shingle Lock Company, Flint, Mich. Shingle-lock-applying machine. 1,480,167; Jan. 8.
Krieger, George F., Wisconsin Rapids, Wis. Crank-pin tool. 1,480,401; Jan. 8.
Krollage, Rudolph, assignor of one-eighth to M. A. Jones, McGregor, Tex. Motor fuel and cooling system. 1,480,402; Jan. 8.
Krotz, Alvaro S., Janesville, Wis. Tractor plow. 1,479,994; Jan. 8.
Krotz, Alvaro S., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Tractor-drawn implement. 1,480,272; Jan. 8.
Krotz, Alvaro S., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Power-lift plow. 1,480,273; Jan. 8.
Kurts, Benjamin F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Brake mechanism. 1,479,820; Jan. 8.
L. and H. Special Machine Co., The. (See Lindner, Arthur E., assignor.)
La Barre, Raymond A., assignor to C. R. Wilson Body Company, Detroit, Mich. Ventilator for closed cars. 1,480,274; Jan. 8.
Labombarde, Elie W., Nashua, N. H. Liquidproof paper vessel. 1,480,083; Jan. 8.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electric toaster. 1,480,084; Jan. 8.
Lambert, Walter S., Geneseo, Ill. Table. 1,480,168; Jan. 8.
Lamothe, Jacques de F., Paris, France. Manufacture of ingots of pure nickel from impure oxides of nickel. 1,480,212; Jan. 8.
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Landers, Frary & Clark. (See Smith, C. F., and Warner, assignors.)
Lane, Louis, Habana, Cuba. Sash-gear balance. 1,480,453; Jan. 8.
Lane, W. Britton, Dunkirk, N. Y. Safety crane stop. 1,480,169; Jan. 8.
Lang, Otto H., trustee. (See Bowman, Levi M., assignor.)
Langston, Samuel M., Wenonah, N. J. Sheet stacker. 1,479,821; Jan. 8.
Lapidus, Isaac. (See Faller, J., and Lapidus.)
Larson, John F. (See Wegener, F. C., and Larson.)
Lattig, Jacob W., Bethlehem, Pa., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,480,403; Jan. 8.
Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Cementing machine. 1,480,275; Jan. 8.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 1,480,276; Jan. 8.
Leese, Louis, F. W. (See Roberts, E. W., and Leese.)
Leon, Karl O., Stockholm, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Lubricating. 1,479,969; Jan. 8.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Mfg. Co., Plainville, Conn. Snap switch. 1,479,970; Jan. 8.
Leui, Foster A., Comstock, Nebr. Nut lock. 1,480,218; Jan. 8.
Lewis, Grace M., Asbury Park, N. J. Electric candle. 1,479,860; Jan. 8.
Lewis Manufacturing Company. (See Sewall, Dana O., assignor.)
Lichtenberg, Erich H., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Traction grading machine. 1,480,277; Jan. 8.
Linard, Howard W., assignor to The Kanard Company, Dayton, Ohio. Fire extinguisher. 1,480,085; Jan. 8.
Linder, Arthur E., Brooklyn, N. Y., assignor to The L. and H. Special Machine Co. Inc., New York, N. Y. Machine for sewing snap fasteners. 1,480,404; Jan. 8.
Lleo, Alberto, and C. Baradat, Barcelona, Spain; said Baradat assignor to said Lleo. Multicylinder internal-combustion engine. 1,479,918; Jan. 8.
Lloyd, Henry G., Surbiton, England, assignor of one-half to G. St. Barbe, London, England. Manufacture of coal or other briquettes. 1,479,822; Jan. 8.
Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Means for producing reed articles. 1,479,823; Jan. 8.
Logan, Henry H., Chicago, Ill. Safety control device. 1,480,170; Jan. 8.
Long, George R., Waterbury, Conn., and H. G. Cordley, Glen Ridge, N. J. Liquid-dispensing device. 1,480,405; Jan. 8.
Lueth, Paul F., assignor to Sumner Iron Works, Everett, Wash. Hand guard for shingle machines. 1,479,995; Jan. 8.
Lum, Paul B., assignor to Washington Automotive Trade Association, Washington, D. C. Sign or similar article. Des. 63,723; Jan. 8.
Lundell, Alben E., New York, N. Y., assignor to Western Electric Company, Incorporated. Telephone-exchange system. 1,480,214; Jan. 8.
Lundmark, Gustav A., Chicago, Ill. Combined fountain pen and lead pencil. 1,479,996; Jan. 8.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Threading machine. 1,479,824; Jan. 8.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Threading machine. 1,479,825; Jan. 8.
Lundquist, Hans, assignor to United States Specialty Corporation, Chicago, Ill. Lace-threading machine. 1,479,826; Jan. 8.
Luria, Aristide, Turin, Italy. Light-signaling apparatus. 1,479,861; Jan. 8.
Luria, Aristide, Rome, Italy. Position light for aircraft. 1,479,862; Jan. 8.
Lyndall, Henry W. (See Bradshaw, W. H., and Lyndall.)
Lyon, George A., Philadelphia, Pa. Buffer. 1,480,086; Jan. 8.
McCaffery, Richard S., Madison, Wis. Bessemerizing iron. 1,479,997; Jan. 8.

McClintock, James L., assignor of one-third to R. C. Wellman and one-third to W. H. McCoin, Wichita, Kans. Antirattling device. 1,480,087; Jan. 8.
McCoin, W. H., et al. (See McClintock, James L., assignor.)
McConnell, John R., Warren, Pa. Method of and apparatus for treating filtering materials. 1,479,998; Jan. 8.
McDade, Edward J., assignor to Embury Manufacturing Company, Warsaw, N. Y. Lantern. 1,480,171; Jan. 8.
McDonald & Moore. (See McDonald, Frederick W., assignor.)
McDonald, Frederick W., assignor to McDonald & Moore, Oakland, Calif. Fusible link. 1,479,999; Jan. 8.
Maegly, Frederick C. (See Posson, Edward, assignor.)
McIntire, Charles V., East Orange, N. J. Retort furnace. 1,479,827; Jan. 8.
McLaughlin, James L., assignor to S. Gernsback, New York, N. Y. Radio tuning coil. 1,480,454; Jan. 8.
McLeod, George T., assignor to Thomas G. Plant Company, Boston, Mass. Boot or shoe and making. 1,480,278; Jan. 8.
McTarnahan Fuel Oil Burning Corporation. (See Glendenning, Everett S., assignor.)
McWane, James R., Birmingham, Ala. Centrifugal pipe-casting machine. 1,480,000; Jan. 8.
Mackey, Henry, Fonda, Iowa. Spark plug. 1,479,863; Jan. 8.
MacLachlan, William B., Minneapolis, Minn. Vehicle. 1,480,279; Jan. 8.
Maclagan, John C. M., Drumchapel, Scotland, assignor to North British Diesel Engine Works (1922) Limited, Glasgow, Scotland. Cylinder more particularly those for combustion engines. 1,480,455; Jan. 8.
Madison, Warner A., and W. H. Dunston, Des Moines, Iowa. Antiwear device for controlling levers. 1,480,088; Jan. 8.
Main Belting Company. (See Bradshaw, W. H., and Lyndall, assignors.)
Maison Detilleux, Société Anonyme. (See Bruñet, Maurice, assignor.)
Majewicz, Constant, Detroit, Mich. Saw-sharpening machine. 1,480,172; Jan. 8.
Mallen, Edward J., New York, N. Y. Radiator bracket. 1,480,456; Jan. 8.
Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory administratrix. Engine-cooling system. 1,480,280; Jan. 8.
Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Condenser for engine-cooling systems. 1,480,281; Jan. 8.
Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory administratrix. Engine-cooling system. 1,480,282; Jan. 8.
Mallory, Sue R., administratrix. (See Mallory, Harry C.)
Mancha, Raymond, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Battery box for storage-battery locomotives. 1,480,089; Jan. 8.
Mancha Storage Battery Locomotive Company. (See Mancha, Raymond, assignor.)
Manning, Maxwell & Moore, Inc. (See Darling, Philip G., assignor.)
Mansfield, Jasper N., Cub Run, Ky. Animal catcher. 1,480,173; Jan. 8.
Marble, William B., Los Angeles, Calif., assignor to Federal Glass Company. Bottle. Des. 63,721; Jan. 8.
Martin, Alfred H., Buffalo, N. Y. Towel cabinet. 1,479,864; Jan. 8.
Martin, Fred N. (See Willson, Russell A., assignor.)
Martin, George H., New York, N. Y., and A. V. Arnold, Denville, N. J. Gun. 1,480,350; Jan. 8.
Martin, Jeremiah F., Pawtucket, R. I. Mounting for sewing-machine heads. 1,480,457; Jan. 8.
Martin, Wayne A., Greenfield, Mass. Clothespin. 1,480,001; Jan. 8.
Marx, Frederick P., St. Louis, Mo. Shank stiffener. 1,480,090; Jan. 8.
Mashek, Frank, Chicago, Ill. Automobile attachment. 1,480,406; Jan. 8.
Matthews, Frank E., assignor to The Connecticut Tool & Engineering Company, Bridgeport, Conn. Electric water heater. 1,480,174; Jan. 8.
Matthies, William H., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,480,215; Jan. 8.
Mattingly, Leonard H., Allegan, Mich. Shaft-coupling member and manufacturing the same. 1,480,002; Jan. 8.
Maul, Henry C., assignor to The Michigan Stove Co., Detroit, Mich. Hotel range. 1,480,407; Jan. 8.
Measurecraph Company, The. (See Wheeler, John L., assignor.)
Meredith, Wynn, Alameda, assignor to Petroleum Rectifying Company, San Francisco, Calif. Dehydrator. 1,480,091; Jan. 8.
Mershon, Samuel D., assignor of one-fourth to T. G. Auge, Rahway, N. J. Educational appliance. 1,480,458; Jan. 8.
Merwin, Edward O., San Francisco, Calif. Traveling bag. 1,480,175; Jan. 8.
Metcalf, Harold G., Auburn, N. Y. Rope structure. 1,479,856; Jan. 8.
Meyer, Arthur R., and E. A. Reed, Chicago, Ill., assignors to Wilson-Jones Loose Leaf Company. Loose-leaf binder. 1,479,919; Jan. 8.
Meyer, August, assignor of one-half to W. A. Kielmann, Hicksville, N. Y. Roofing structure. 1,480,283; Jan. 8.
Meyer, Raymond E., Syracuse, N. Y. Spark plug. 1,480,002; Jan. 8.
Meyers, Charles. (See Hinerman, H., Meyers, and Ewing.)
Michigan Stove Co., The. (See Maul, Henry C., assignor.)
Middelboe, Kristian. (See Vogel-Jörgensen, M. and Middelboe.)
Mieritz, Richard. (See Johnson, J. W., and Mieritz.)
Mignerey, Charles, Union Course, assignor to Consolidated Wafer Company, Brooklyn, N. Y. Ice-cream-cone machine. 1,480,284; Jan. 8.
Miller, Albert L., Johnstown, Pa. Automatic safety cut-off. 1,480,093; Jan. 8.
Miller, Arthur, Oak Park, Ill. Container. 1,480,176; Jan. 8.
Miller, Charles E., Chicago, Ill. Valve. 1,479,920; Jan. 8.
Miller, David B. (See Wells, F. O., and Miller.)
Miller, Jerome J., Chadron, Nebr. Compound tool. 1,479,921; Jan. 8.
Miller, Paul K., Covington, Ohio. Air-pressure surface construction. 1,480,408; Jan. 8.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and means for signaling. 1,480,217; Jan. 8.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission system. 1,480,216; Jan. 8.
Miller, John H., Rising Sun, Ohio. Cement-block machine. 1,480,177; Jan. 8.
Miller, Lawrence L., Brockton, Mass., assignor to O. L. Redifer, Philadelphia, Pa. Bottom-filling machine. 1,480,094; Jan. 8.
Miller Rubber Company, The. (See Dabney, Robert C., assignor.)
Mineralac Electric Company. (See Sines, Harold S., assignor.)
Minett, Wilfrid T. (See Gouldbourn, J. and Minett.)
Mitchell, Louis E., assignor to Morgan Gardner Electric Co., Chicago, Ill. Protecting device for machines. 1,479,922; Jan. 8.
Mohrmann, Paul, assignor to Friedley Voshardt Company, Chicago, Ill. Shield for electric-lamp socket. Des. 63,725; Jan. 8.
Moir, Harry S., Chico, Calif. Savings-bank interest indicator. Re15,743; Jan. 8.
Moller, Edward A., Baltimore, Md. Radiator shutter. 1,480,095; Jan. 8.
Moore, Charles B., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,480,218; Jan. 8.
Moore, Edward, assignor to Splitdorf Electrical Company, Newark, N. J. Adjustable flexible shaft coupling. 1,480,096; Jan. 8.
Moore, Robert A., Detroit, Mich. Portable sanding machine. 1,480,285; Jan. 8.
Moores, Joel, Norwood, assignor to The J. H. Day Company, Cincinnati, Ohio. Article-transfer device. 1,479,866; Jan. 8.
Mordano, Leonard, New York, N. Y. Safety appliance for automobiles, etc. 1,480,178; Jan. 8.
Moreau, Marcel E., San Francisco, Calif. Solar furnace. 1,479,923; Jan. 8.
Morgan, Edmund C., deceased, Chicago, Ill., O. E. Morgan, executrix. Machine for mining. 1,480,003; Jan. 8.
Morgan Gardner Electric Co. (See Mitchell, Louis E., assignor.)
Morgan Manufacturing Company, The. (See Olson, C. H., and Page, assignors.)
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morganstern, Alice, New York, N. Y. Sand or outing rest or the like. 1,480,286; Jan. 8.
Morlok, William, assignor to L. A. Prouty Co., Philadelphia, Pa. Sirup pump. 1,480,097; Jan. 8.
Morris, Edmund, Grand Rapids, Mich. Cabinet. Des. 63,726; Jan. 8.
Morris, Edmund, Grand Rapids, Mich. Cabinet. Des. 63,727; Jan. 8.
Morrison, James, assignor to The Trailmobile Company, Cincinnati, Ohio. Semitrailer. 1,479,828; Jan. 8.
Morrison, John F., Glendale, N. Y. Casting machine. 1,480,179; Jan. 8.
Morse Chain Company, The. (See Morse, Frank L., assignor.)
Morse, Frank L., assignor to The Morse Chain Company, Ithaca, N. Y. Multiplate power chain. 1,480,527; Jan. 8.
Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 1,480,528; Jan. 8.
Mortka, Johan, Poughkeepsie, N. Y. Railway-crossing gate. 1,480,180; Jan. 8.
Morton, Frank M., Phenix City, Ala. Removable check valve. 1,480,287; Jan. 8.
Mueller, William A., Washington, D. C. Lock. 1,480,181; Jan. 8.
Munday, Morgan L., Munday, Tex. Piston. 1,479,867; Jan. 8.
Munsell Color Company. (See Allen, Arthur S., assignor.)

Murphy, David F. (See Ellison, William A., assignor.)
Muiqueen, Leo F., and Walsh, P., Los Angeles, Calif. Molding machine. 1,480,098; Jan. 8.
Murphy, James A., Hamilton, Ohio. Sectional sash weight. 1,480,099; Jan. 8.
Murray, George D., St. Louis, Mo. Letter plate for doors and mail boxes. 1,480,288; Jan. 8.
Muther, Lorenz. (See Lautenschlager, William F., assignor.)
Myers, Lewis C., Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,479,924; Jan. 8.
Naefe, Erwin, Berlin-Britz, Germany. Impregnating clothes and the like as a protection from moths. 1,480,289; Jan. 8.
National Carbon Company. (See Clymer, William B., assignor.)
National Malleable Castings Company, The. (See Spence, H. L., and Willison, assignors.)
National Radio Company. (See Golden, Alphonsus L., assignor.)
Naugle, Howard N., assignor of one-fourth to D. R. Wishard and one-third to M. Harbaugh, Waynesboro, Pa. Corn planter. 1,480,459; Jan. 8.
Nelson, Charles S., assignor of one-half to A. P. Asher, Sandpoint, Idaho. Foot accelerator. 1,480,409; Jan. 8.
Nelson, Oscar T., Cleveland, Ohio, assignor to C. A. Barnhoith, Akron, Ohio. Clutch mechanism. 1,480,290; Jan. 8.
Nelson, Samuel, Waterloo, Iowa. Phonograph needle. 1,480,100; Jan. 8.
Nelson, Wilbur A., Nashville, Tenn. Obtaining nitrogen from the air. 1,480,291; Jan. 8.
Neuman, Hugo, Detroit, Mich. Windshield tubing. 1,480,292; Jan. 8.
Newark Tube Company. (See Snodgrass, Harlan E., assignor.)
Nicolson, Alexander M. L., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum tube. 1,480,210; Jan. 8.
Nitrogen Corporation, The. (See Arnold, E. H., and Wakeford, assignors.)
Noble, Isaac C., New Bedford, Mass. Weighting device for spinning machines and the like. 1,480,182; Jan. 8.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 63,728; Jan. 8.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 63,729; Jan. 8.
Nock, Leo F., East Greenwich, R. I. Oil burner. 1,479,868; Jan. 8.
Noel, Eli, Kansas City, Mo. Universal joint. 1,480,004; Jan. 8.
Norris, Frank O., Baltimore, Md. Roller bearing. 1,480,293; Jan. 8.
North British Diesel Engine Works (1922) Limited. (See Maclagan, John C. M., assignor.)
Nose, Robert, Fairmount, Ind. Fodder loader. 1,480,410; Jan. 8.
Nuttall, Arthur O., Chicago, Ill. Sample case. 1,480,460; Jan. 8.
Nutter, William H., Kearney, Nebr. Shoe-polishing machine. 1,480,461; Jan. 8.
Nutrisio, Henry J., New York, N. Y. Display rest for shoes or the like. Des. 63,730; Jan. 8.
Nya Nordiska Kullager Aktiebolaget. (See Leon, Karl O., assignor.)
Ochsner, Jacob, Zurich, Switzerland. Cart with sidewards-tiltable bridge. 1,480,220; Jan. 8.
O'Connor, William F., Tariffville, Conn., assignor to Robbins, Gamwell & Company, Pittsfield, Mass. Side lamp for vehicles. 1,480,295; Jan. 8.
Odell, William W., Washington, D. C. Gas producer for use with automotive mechanisms. 1,480,183; Jan. 8.
Ogden, John G., Plainfield, N. J. Dental-floss appliance. 1,480,101; Jan. 8.
Ohio Foundry and Manufacturing Co., The. (See Sharp, Alexander B., assignor.)
Oleri, Rosa, San Francisco, Calif. Cylindrical ravioli shaper, sealer, and cutter. 1,479,925; Jan. 8.
Olsen, John C., deceased, Minneapolis, Minn.; S. C. Olsen, administratrix. Circuit closer. 1,480,102; Jan. 8.
Olsen, John K., Chicago, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Swivel-gear housing and joint. 1,480,005; Jan. 8.
Olsen, Siney C., administratrix. (See Olsen, John C.)
Olson, Carl H., and M. F. Page, Boston, Mass., assignors to The Morgan Manufacturing Company, Incorporated, Keene, N. H. Device for removing carbon from piston grooves. 1,479,829; Jan. 8.
O'Neill, Richard J., Denver, Colo. Rotary plow and cultivator. 1,480,411; Jan. 8.
Onondaga Pottery Company. (See Haley, Mark A., assignor.)
Orange, Ira V., High Point, N. C. Automatic stop for job presses. 1,479,869; Jan. 8.
Oross, Joseph, Cleveland, Ohio. Vented barrel bung. 1,480,103; Jan. 8.
Ortman, William H., Milwaukee, Wis. Clothesline support. 1,480,006; Jan. 8.
Osborn, Jesse C., assignor to J. W. Duntley, Chicago, Ill. Timer housing. 1,479,926; Jan. 8.
Ossman, Edward G. (See Collins, J. N., and Ossman.)
Otterbein, Ferdinand D. (See Butterfield, E. H., and Otterbein.)
Overholt, Albert L., Minneapolis, Minn., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,480,294; Jan. 8.
Oversmith, Elmer H., assignor to The Buffalo Truck & Tractor Corporation, Buffalo, N. Y. Truck. 1,480,296; Jan. 8.
Owen, George S., Chelsea, London, England. Emergency axle for motor vehicles. 1,480,462; Jan. 8.
Ozias, Clifford W. (See Wyatt, De Witt H., assignor.)
Pacent Electric Company. (See Pacent, Louis G., assignor.)
Pacent, Louis G., Winfield, N. Y., assignor to Pacent Electric Company, Inc., New York, N. Y. Connecting plug. 1,480,007; Jan. 8.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 63,731; Jan. 8.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 63,732; Jan. 8.
Page, Walter F. (See Olson, C. H., and Page.)
Palmer, Emmet S., Seattle, Wash. Locking means for the bolt system of vault or safe doors or the like. 1,480,104; Jan. 8.
Pardee, Frank and F., jr., Hazleton, Pa. Spiral lowering chute. 1,480,105; Jan. 8.
Pardee, Frank, jr. (See Pardee, Frank and F., jr.)
Parker, Arthur A., Portland, Oreg. Fluid-pressure-controlling means. 1,480,297; Jan. 8.
Parker, Ralph, et al. (See Anderson, Oliver N., assignor.)
Parkes, William N., Brooklyn, N. Y. Embroidery for finishing the edges of fabrics. 1,480,538; Jan. 8.
Parkes, William N., Brooklyn, N. Y. Sewing machine. 1,480,106; Jan. 8.
Parsons, Charles A., and J. Rosen, Newcastle-on-Tyne, England; said Rosen assignor to said Parsons. Dynamo-electric machinery. 1,480,412; Jan. 8.
Pashley, William H., New York, N. Y. Casting machine. 1,480,107; Jan. 8.
Patt, Tony J., Chicago, Ill. Apparatus for acrobats. 1,479,830; Jan. 8.
Payette, Joseph A., assignor to S. O. Bigney & Company, Attleboro, Mass. Chain-making machine. 1,479,870; Jan. 8.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Shock gatherer. 1,480,108; Jan. 8.
Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Tongue truck. 1,480,109; Jan. 8.
Pearson, George A., Chicago, Ill. Bezel. 1,480,298; Jan. 8.
Pearson, Victor E., Chicago, Ill. Sport sled. 1,479,871; Jan. 8.
Pedersen, Johannes T., Flushing, N. Y. Coffee urn. 1,480,413; Jan. 8.
Peer, Edward H. (See Hansen, C., L., and Peer.)
Perfection Door Mounting Hinge Company. (See Slangerup, Walter S., assignor.)
Perfumerie Rigaud. (See Kendall, William G., assignor.)
Perry, Manuel. (See Bartholo, A. C., and Perry.)
Petroleum Rectifying Company of California. (See Harris, Ford W., assignor.)
Petroleum Rectifying Company. (See Meredith, Wynn, assignor.)
Petruccelli, Antonio, assignor to Johnson-Cowdin-Emerich, Inc., New York, N. Y. Ribbon or similar article. Des. 63,733; Jan. 8.
Petti, Nicola, Cleveland, Ohio. Washing-machine device. 1,480,414; Jan. 8.
Petzel, Gustav, assignor to the Firm Gustav Weinmann, Zurich, Switzerland. Body for filling columns, towers, etc. 1,480,463; Jan. 8.
Philippe, Louis, New York, N. Y. Perfume bottle. Des. 63,734; Jan. 8.
Phoenix Manufacturing Co. (See Bluhm, Leo, assignor.)
Pierce, Henry M., Chippewa Falls, Wis. Milk-bottle cover. 1,480,415; Jan. 8.
Pitcock, Thomas S. (See Harmon, Frank P., assignor.)
Plant, Thomas G., Company. (See McLeod, George T., assignor.)
Platten, Maxwell G., Salt Lake City, Utah. Producing metallic lead from ores, products, and compounds. 1,480,110; Jan. 8.
Pohl, Charles, Los Angeles, assignor of one-half to A. L. Shipley, Venice, Calif. Stool. 1,480,416; Jan. 8.
Poli, Raphael F., Camp Schumway, Colo. Safety electric switch. 1,480,111; Jan. 8.
Pomeroy, Percy W., and H. P. Schneider, assignors, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Automobile headlight. 1,480,221; Jan. 8.
Pongracs, Laszlo, New York, N. Y. Lock. 1,480,222; Jan. 8.
Poppenhusen, Herman A., Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind. Periscope. 1,480,112; Jan. 8.
Posson, Edward, Chicago, Ill., assignor of one-half to F. C. Maegly, Chicago, Ill. Grain door for railway cars. 1,480,008; Jan. 8.

Potter, Thomas I., East Orange, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Life preserver. 1,480,417; Jan. 8.
Powell, George C., Bancroft, Mich. Automobile camp equipment. 1,480,118; Jan. 8.
Powers & Mayer Manufacturing Corporation. (See Sweitzer, John A., assignor.)
Pressed Steel Car Company. (See Kurts, Benjamin F., assignor.)
Pressell, George W., assignor to E. F. Houghton & Company, Philadelphia, Pa. Material for carburising. 1,480,418; Jan. 8.
Preston, Alston L., Leominster, Mass. Bow holder. 1,480,009; Jan. 8.
Pribble, Lola L., Twin Falls, Idaho. Toy rabbit. Des. 63,735; Jan. 8.
Prisbrey, George W., assignor of thirty-four seventy-seconds to Wicks, Larson & Co., St. George, Utah. Water-power plant. 1,480,299; Jan. 8.
Proctor, George A., Watertown, Mass. Combination belt. 1,480,114; Jan. 8.
Prouty, L. A., Co. (See Morlok, William, assignor.)
Punga, William A., Detroit, Mich. Holder-on for riveting machines. 1,480,464; Jan. 8.
Quest, George H., et al. (See Stebbins, James H., assignor.)
Quiggan, John P., Brooklyn, N. Y. Printing appliance. 1,480,209; Jan. 8.
Rahm, Robert C., Wyomissing, assignor to Berks Engineering Company, Inc., Reading, Pa. Braiding carrier. 1,479,831; Jan. 8.
Rail Joint Company, The. (See Armstrong, V. C., and Groff, assignors.)
Rail Joint Company, The. (See Groff, Emory L., assignor.)
Ramsey, Jacob E., Spokane, Wash. Gyratory flour sifter. 1,480,465; Jan. 8.
Rand, Charles A. A., Chicago, Ill., assignor to International Harvester Company. Mower. 1,480,115; Jan. 8.
Rapp, George J., and D. Cornfoot, Buffalo, N. Y. Piano bench. 1,479,927; Jan. 8.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,479,832; Jan. 8.
Raymond Bros. Engineering Company. (See Hoving, Fritz, assignor.)
Reagan, Chas. E., et al. (See Crutchfield, Phillips E., assignor.)
Reasoner, Claude C., Habana, Cuba. Transferring and weighing tower. 1,480,116; Jan. 8.
Redgrave, Gilbert R. (See Bowell, George B., assignor.)
Redifer, Oscar L. (See Miller, Lawrence L., assignor.)
Reed, Elmer A. (See Meyer, A. B., and Reed.)
Reese, Allyn R., et al. (See Jackson, Richard, jr., assignor.)
Reilly, William J., Denver, Colo. Refining oils. 1,479,833; Jan. 8.
Reinhart, Philip F., Meriden, Conn. Concentrating machine. 1,480,466; Jan. 8.
Reliable Signal Co., The. (See Ellis, Arthur B., assignor.)
Reliance Company, The. (See Wilms, Gustav O., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Rentschler, Harvey C., Pittsburgh, Pa., assignor to Westinghouse Lamp Company. Furnace. 1,480,301; Jan. 8.
Reust, George W., Goodwell, Okla. Cultivator. 1,480,134; Jan. 8.
Reymond, Martin H., Binghamton, N. Y. Gauging leather. Re15,744; Jan. 8.
Reynolds, Alfred E., Danbury, Conn. Candlestick. Des. 63,736; Jan. 8.
Reynolds, Morley P., Cleveland Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening apparatus. 1,479,834; Jan. 8.
Richards, Thomas G., Spokane, Wash. Tire tread. Des. 63,737; Jan. 8.
Richer, Jerry, Enterprise, Oreg., assignor to E. C. Atkins & Company, Indianapolis, Ind. Saw gauge. 1,479,928; Jan. 8.
Ricks, Alva M., Los Angeles, Calif. Beet digging and conveying machine. 1,479,929; Jan. 8.
Rigaud, Henri. (See Kendall, William G., assignor.)
Riley, Clifford G., Sale, England. Driving wheel for clocks. 1,480,467; Jan. 8.
Riley, Michael J., East Cleveland, Ohio. Machine for trimming blanks of bolts, nuts, screws, and the like. 1,479,835; Jan. 8.
Rimailho, Emile, assignor to Compagnie des Forges & Acieries de la Marine et d'Homecourt, Paris, France. Regulator for the outlet of liquid in artillery brakes. 1,480,468; Jan. 8.
Ringler, William A., New York, N. Y., assignor to Globe Wernicke Co., Cincinnati, Ohio. Visible card system. 1,480,419; Jan. 8.
Rix, Edward A., San Francisco, Calif. Compressing gas and apparatus therefor. 1,480,117; Jan. 8.
Robbins, Gamwell & Company. (See O'Connor, William F., assignor.)
Robechaud, Alcide, Milwaukee, Wis. Emergency spindle for automobiles. 1,480,223; Jan. 8.
Roberts, Edward W., Watford, and L. F. W. Leese, London, England. Casting cement or fibrocement under pressure. 1,480,010; Jan. 8.
Robertson, Gregor, Adelaide, South Australia, Australia. Combined postal and advertising pillar. 1,480,469; Jan. 8.
Robeson, Edna G., Atlanta, Ga. Hobby horse. 1,479,930; Jan. 8.
Robinson, George H. (See Sturt, A. T., and Robinson.)
Roden, James H., Toronto, Ontario, Canada. Electric gaslighter. 1,480,011; Jan. 8.
Roden, Leon A., Canton, Ohio. Sheet-feeding machine. 1,480,012; Jan. 8.
Roessler & Hasslacher Chemical Company, The. (See Sell, Gilbert E., assignor.)
Root, Chapman J. (See Hall, C. I., and Samuelson, assignors.)
Rosen, Jessel. (See Parsons, C. A., and Rosen.
Rosenberg, Robert C., jr., San Francisco, Calif. Unloading machine for railway cars and the like. 1,480,470; Jan. 8.
Rosenberger, Thos. H. (See Cristadoro, Charles C., assignor.)
Rösler, Ernst B. G. A., assignor to the Firm of Simplo Füllfeder Gesellschaft Voss, Lausen & Dziambor, Hamburg, Germany. Fountain drawing pen. 1,480,302; Jan. 8.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Strainer. 1,480,420; Jan. 8.
Roy, Iréné, Paris, France. Military vehicle. 1,480,303; Jan. 8.
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Royster, F. S. Guano Company. (See Griffin, James A., assignor.)
Russell, William N., New Haven, Conn. Window-operating device. 1,480,118; Jan. 8.
Ruud, Otto S., Rymoen, near Roverud Station, Norway. Driving wheel. 1,479,931; Jan. 8.
Sackrider, Frank E., Billings, Okla. Drill head. 1,479,872; Jan. 8.
Sadler, Louis E., Attleboro, Mass. Pin tongue. 1,479,932; Jan. 8.
Safety Car Heating & Lighting Company. (See Hulse, George E., assignor.)
Sager, J. H. Company. (See Iven, Charles J., assignor.)
Saklatwalla, Byramji D., and A. N. Anderson, Crafton, Pa., assignors, by mesne assignments, to Vanadium Corporation of America, New York, N. Y. Electric-motor control. 1,479,836; Jan. 8.
Saliger, Anton, St. Louis, Mo. Rammer. 1,480,304; Jan. 8.
Salsbery, Charles E., assignor to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo. Stock tag. 1,480,013; Jan. 8.
Samuelson, Alexander. (See Hall, C. I., and Samuelson.)
Sandeman, Frederick D. S., assignor to Jute Industries Limited, Dundee, Scotland. Treatment of jute and like fibrous material. 1,480,471; Jan. 8.
Sang, Charlie, Castorville, Calif. Ratchet mechanism for agricultural implements. 1,480,351; Jan. 8.
Sankey, Harold B., Wolverhampton, England. Sheet-metal road wheel. 1,479,933; Jan. 8.
Sauton, George H., assignor of one-sixteenth to E. H. Waisdorf and one-sixteenth to L. Huft, New Orleans, La. Gas-meter-protecting means. 1,480,472; Jan. 8.
Sayles Finishing Plants, Inc. (See Seaton, Frederick W., assignor.)
Schaller, Alfred E., Maywood, Mo. Foot feed for automobiles. 1,479,934; Jan. 8.
Scheck, Susana A., San Francisco, Calif. Garter. 1,480,305; Jan. 8.
Scheid, John A., Roxborough, Pa. Tire. Des. 63,738; Jan. 8.
Schey, Max, Brooklyn, N. Y. Rotisserie. 1,480,119; Jan. 8.
Schneider, Harold P. (See Pomeroy, P. W., and Schneider.)
Scholl, Howard, Millerstown, Pa. Rim contractor. 1,480,120; Jan. 8.
Scholz, Victor, Tauer, Germany, assignor of one-half to the Firm Carl Tiedemann, Chemische Werke, Coswig-Dresden, Germany. Working up of linoleum scraps into new linoleum. 1,480,473; Jan. 8.
Schroeder, Harry L., Aspinwall, Iowa. Holder for toilet articles. Des. 63,739; Jan. 8.
Schroeder, Rudolph W., Chicago, Ill. Flow meter. 1,479,873; Jan. 8.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Self-cleaning roller drill. 1,480,014; Jan. 8.
Scott, Lewis L., St. Louis, Mo. Steam-generating apparatus. 1,480,015; Jan. 8.
Scott, Lorenzo D., East Machias, Me. Condiment holder. Des. 63,740; Jan. 8.
Scott, Robert W., Babylon, N. Y. Knitting-machine needle. Re15,740; Jan. 8.
Scott, Robert W., Babylon, N. Y. Knitting-machine needle. Re15,741; Jan. 8.
Scott, William M., Tredyffrin Township, Chester County, Pa. Electrical switching apparatus. 1,480,306; Jan. 8.

Seaton, Frederick W., Lonsdale, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Label for wound or rolled fabrics. 1,480,307; Jan. 8.
Seaton, Max Y., assignor to The Dow Chemical Company, Midland, Mich. Cellulose solvent and resulting cellulosic composition. 1,480,016; Jan. 8.
Sell, Gilbert E., Oakmont, Pa., assignor to The Roessler & Hasslacher Chemical Company. Hydrolyzing nitriles. 1,479,874; Jan. 8.
Selah, Howard A., Johnstown, Pa., assignor to Erie Electrical Equipment Company. Mast arm. 1,480,121; Jan. 8.
Sentou, Camille A., and E. Jacquet, Fort Lee, N. J., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Unwinder. 1,480,224; Jan. 8.
Setter, Michael B., Chicago, Ill. Self-adjusting bearing. 1,480,185; Jan. 8.
Severus, Louis, Chicago, Ill., assignor to Art Lamp Mfg. Company. Pedestal base. Des. 63,741; Jan. 8.
Sewall, Dana O., assignor to Lewis Manufacturing Company, Walpole, Mass. Process and machine for making bandages. 1,480,017; Jan. 8.
Sexton, John R., assignor to The Sexton Machine Company, Hartford, Conn. Machine for forming sheet-metal loops. 1,480,122; Jan. 8.
Sexton Machine Company, The. (See Sexton, John R., assignor.)
Shapiro, Barnet, Brooklyn, N. Y. Lace. Des. 63,742; Jan. 8.
Sharp, Alexander B., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 63,743; Jan. 8.
Sharp, Alexander B., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 63,744; Jan. 8.
Sharp, Alexander B., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 63,745; Jan. 8.
Shaughnessy, Bernard F., Brooklyn, N. Y. Refuse incinerator. 1,479,875; Jan. 8.
Shimkus, Aleck, Hamtramck (Detroit), Mich. Washboard. 1,480,474; Jan. 8.
Shingle Lock Company, The. (See Kridler, B. C., and Boyle, assignors.)
Shipley, A. L. (See Pohl, Charles, assignor.)
Shirley, Orville E., Salt Lake City, Utah. Educational device. 1,479,876; Jan. 8.
Short, Charles R., and A. Taub, assignors to General Motors Corporation, Detroit, Mich. Governor for internal-combustion engines. 1,480,309; Jan. 8.
Short, Charles R., and C. E. Summers, assignors to General Motors Corporation, Detroit, Mich. Fuel-supply device for internal-combustion engines. 1,480,308; Jan. 8.
Siebenlist, Anthony G., Alois, Wis. Tree stand. 1,480,018; Jan. 8.
Silene, Rudolph A. (See Bjornstad, W. A., and Silene.)
Simplo Füllfeder Gesellschaft Voss, Lausen & Dziambos. (See Rösler, Ernst R. G. A., assignor.)
Simpson, Tracy W., San Francisco, Calif., assignor to Federal Electric Company, Inc., Emeryville, Calif. Illuminated sign. 1,480,019; Jan. 8.
Sines, Harold S., assignor to Mineraliac Electric Company, Chicago, Ill. Periodically-operated mechanism. 1,479,837; Jan. 8.
Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)
Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
Slangerup, Walter S., assignor to Perfection Door Mounting Hinge Company, Omaha, Nebr. Door mounting. 1,480,475; Jan. 8.
Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Nail-making machine. 1,479,877; Jan. 8.
Small, Chester C., deceased, Newton Highlands, Mass., by J. M. Small, administratrix, Newton Falls, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Compressing machine. 1,479,838; Jan. 8.
Small, Jennie M., administratrix. (See Small, Chester C.)
Smidth, F. L. & Co. (See Vogel-Jörgensen, M. and Middelboe, assignors.)
Smith, Charles F., and A. A. Warner, assignors to Landers, Frary & Clark, New Britain, Conn. Guard. 1,480,020; Jan. 8.
Smith, Claude C., North Lake, assignor to Dallman Machine and Manufacturing Company, Milwaukee, Wis. Belt-pulley clutch control for tractors. 1,480,021; Jan. 8.
Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Crust-trimming mechanism for pie-making machines. 1,479,935; Jan. 8.
Smith, Elmer H., Minneapolis, Minn. Cutting torch tip. 1,480,310; Jan. 8.
Smith, Frank W., Portland, Me. Cooker. 1,480,186; Jan. 8.
Smith, Frederick C., Marion, Ohio. Foot-pedal mechanism. 1,480,421; Jan. 8.
Smith, Sidney C., et al. (See Stebbins, James H., assignor.)
Snodgrass, Harlan E., Summit, assignor to Newark Tube Company, Newark, N. J. Electric welding apparatus. 1,480,022; Jan. 8.
Snook, Homer C., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical cut-out. 1,480,225; Jan. 8.
Snyder, Clarence, Grand Rapids, Mich. Heel guard for shoes. 1,479,839; Jan. 8.
Somers, Martin J., et al. (See Taylor, Frank M., assignor.)
Soulard, Henri E., St. Ubalde, Quebec, Canada. Safety clothespin. 1,480,187; Jan. 8.
Southern Signal Company. (See Graf, Theodore H., assignor.)
Spangler, George F., New Lexington, Ohio. Toy. 1,480,226; Jan. 8.
Speed-O-Multiple Valve Lifter Corporation. (See Wood, Louis M., assignor.)
Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to the Beaver Products Company, Inc. Branding roofing. 1,480,025; Jan. 8.
Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc. Composition roofing. 1,480,023; Jan. 8.
Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to The Beaver Products Company, Inc. Composition roofing and making the same. 1,480,024; Jan. 8.
Spence, Hubert L. and J. Willison, assignors to The National Malleable Castings Company, Cleveland, Ohio. Transitional coupling mechanism. 1,480,026; Jan. 8.
Spinasse, Arthur E., Mount Vernon, Ohio. Apparatus for drawing and taking down glass cylinders. 1,480,188; Jan. 8.
Splitdorf Electrical Company. (See Moore, Edward, assignor.)
Spross, Frederick B., Bergen, N. Y. Self-serving device. 1,479,878; Jan. 8.
Stafford, Frederick S., Chicago, Ill., assignor to H. A. Hover, Lewistown, Mont. Humidor. Des. 63,746; Jan. 8.
Stafford, Frederick S., Chicago, Ill., assignor to H. A. Hover, Lewistown, Mont. Humidor. Des. 63,747; Jan. 8.
Stafford, Frederick S., Chicago, Ill., assignor to H. A. Hover, Lewistown, Mont. Humidor. Des. 63,748; Jan. 8.
Starr, Samuel E. et al. (See Haas, Victor E., assignor.)
Staso Laminated Slate Company. (See Wardell, Henry R., assignor.)
Statham, Noel, Hastings-upon-Hudson, N. Y. Fastener-operating device. 1,480,027; Jan. 8.
Statham, Noel, Irvington, N. Y. Safety razor. 1,480,028; Jan. 8.
Statham, Noel, Irvington, N. Y. Safety razor. 1,480,029; Jan. 8.
Statham, Noel, Irvington, N. Y. Razor and stropping device. 1,480,030; Jan. 8.
Statham, Noel, Irvington, N. Y. Pocket safety razor. 1,480,031; Jan. 8.
St. Barbe, George. (See Lloyd, Henry G., assignor.)
Steadman, William E. (See Bixler, R. B., and Steadman.)
Stebbins, James H., Waterloo, Iowa, assignor to G. H. Quest and S. C. Smith. Quick-removal cover. 1,480,311; Jan. 8.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Steele, George W., assignor of one-half to J. C. Steele, Double Springs, Ala. Self and ever set trap. 1,480,476; Jan. 8.
Steele, John C. (See Steele, George W., assignor.)
Sté. A. des Manufactures de Produits Chimiques du Nord-Etablissements Kuhlmann. (See Geschwind, Lucien J., assignor.)
Steiner, Alois. (See Würtz, P., and Steiner.)
Steiner Sales Company. (See Overholt, Albert L., assignor.)
Steinhilper, Jacob, Williamsport, Pa. Antiglare device for automobile headlights. 1,479,879; Jan. 8.
Stephenson, John A., Blanchard, Okla. Boll-weevil destroyer. 1,480,123; Jan. 8.
Stevens and Company. (See Stevens, Frederick A., assignor.)
Stevens, Frederick A., assignor to Stevens and Company, Inc., Providence, R. I. Making spectacle temples. 1,479,936; Jan. 8.
Stevens, Frederick A., assignor to Stevens and Company, Inc., Providence, R. I. Spectacle temple. 1,479,937; Jan. 8.
Stevenson, George H., Rye, assignor to Western Electric Company, Incorporated, New York, N. Y. Impedance element. 1,480,227; Jan. 8.
Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
Stiening, Frederick C., Glenshaw, Pa. Spacing device. 1,479,938; Jan. 8.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,480,124; Jan. 8.
Stitzer, George W., Mahanoy City, Pa. Collapsible shipping case. 1,479,880; Jan. 8.
Stone, Andrew J., Washington, D. C., assignor to The Government of the United States. Sighting means and projectile firing. 1,479,840; Jan. 8.

Stone, Walter A., Memphis, Tenn. Cotton picker. 1,480,125; Jan. 8.
Stoney Foundry Engineering and Equipment Co., The. (See Heinkel, Christian F., assignor.)
Stover, Charlie E., St. Paul, Minn. Apparatus for washing automobiles. 1,479,841; Jan. 8.
Stratton, Harry P., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Making stators. 1,480,312; Jan. 8.
Street, James A., Pontiac, assignor of one-half to H. C. Zeits, Detroit, Mich. Differential mechanism. 1,480,228; Jan. 8.
Strickler, Walter B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,480,229; Jan. 8.
Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Chair. Des. 63,749; Jan. 8.
Strom, Sven E., Detroit, Mich. Skate-grinding clamp. 1,480,422; Jan. 8.
Sturges, Grace D., Santa Monica, Calif. Carrying case. 1,479,975; Jan. 8.
Sturt, A. T., Flint, Mich., and G. H. Robinson, New York, N. Y., assignors to Durant Motors Incorporated. Clutch. 1,479,974; Jan. 8.
Sturt, Alfred T., Flint, Mich., and G. H. Robinson, New York, N. Y., assignors to Durant Motors Incorporated. Clutch. 1,479,971; Jan. 8.
Sturt, Alfred T., Flint, Mich., and G. H. Robinson, New York, N. Y., assignors to Durant Motors Incorporated. Clutch. 1,479,973; Jan. 8.
Sturt, Alfred T., Flint, Mich., and G. H. Robinson, New York, N. Y., assignors to Durant Motors Incorporated. Clutch collar. 1,479,972; Jan. 8.
Sule, John C., and W. Wyatt, Philadelphia, Pa. Spark plug. 1,480,477; Jan. 8.
Sullivan, Joseph M., Detroit, Mich. Master valve. 1,480,126; Jan. 8.
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film for X-ray work. 1,479,939; Jan. 8.
Summers, Caleb E. (See Short, C. R., and Summers.)
Summit Thread Company. (See Collins, Edwin D., assignor.)
Sumner Iron Works. (See Lueth, Paul F., assignor.)
Suzuki, George K., Oakland, assignor of one-half to E. T. Cox, San Francisco, Calif. Restoring fabrics and removing shine therefrom. 1,480,352; Jan. 8.
Svobodny, Thomas, Svea, Minn. Short-grain-handling attachment for binders. 1,480,313; Jan. 8.
Switzer, John A., assignor to Powers & Mayer Manufacturing Corporation, Providence, R. I. Ring construction. 1,479,842; Jan. 8.
Swerdlow, Harry, New York, N. Y. Collapsible rim for automobile tires. 1,479,940; Jan. 8.
Syracuse Washing Machine Corporation. (See Derschug, John N., assignor.)
Szymanski, Bernard, Rawl, W. Va. Saddle stirrup. 1,480,314; Jan. 8.
Taber, George H., Binghamton, N. Y. Carburetor. 1,480,478; Jan. 8.
Tait, Wilfred E. (See Collins, W. A., and Tait.)
Tashiro, Toyokichiro, Tokyo, Japan. Carburizing steel and iron. 1,480,230; Jan. 8.
Tate, William, High Point, N. C. Attachment for shaping machines. 1,480,423; Jan. 8.
Taub, Alex. (See Short, C. R., and Taub.)
Taylor, Frank M., La Fayette, Ind., assignor of one-half to M. J. Somers, Minneapolis, Minn., and one-half to Valley Taylor, La Fayette, Ind. Gas burner. 1,479,941; Jan. 8.
Taylor, Valley, et al. (See Taylor, Frank M., assignor.)
Taylor, William, Leicester, England. Grinding machine. 1,479,843; Jan. 8.
Theobald, Jean G., Attleboro, Mass. Cigarette holder. 1,479,942; Jan. 8.
Thimmeway Titles, Inc. (See Hood, Harrison H., assignor.)
Thompson-Barlow Company, The. (See Thompson, R. S., and Doscher, assignors.)
Thompson, Burchard D., Cyclone, Pa. Oil-well pump piston. 1,480,127; Jan. 8.
Thompson, Herbert H., Birmingham, and A. E. Davies, Tanworth-in-Arden, England. Magnetic separator. 1,480,315; Jan. 8.
Thompson, James, Greeley, Colo. Support for garden hose. 1,479,943; Jan. 8.
Thompson, James A., Rushville, Ill. Wrench. 1,480,231; Jan. 8.
Thompson, Parke H. (See Headley, B. T., Thompson, and Du Bois.)
Thompson, Ralph S., New York, and C. F. Doscher, White Plains, N. Y., assignors to The Thompson-Barlow Company, Inc. Massage apparatus. 1,480,424; Jan. 8.
Thompson, Rena B., executrix. (See Headley, B. T., Thompson and Du Bois.)
Thrill, John, Kankakee, Ill. Gasoline vaporizer. 1,480,082; Jan. 8.
Tiedemann, Carl Chemische Werke. (See Scholz, Victor, assignor.)
Tiemann, Harry A., Fort Collins, Colo. Buckle. 1,480,128; Jan. 8.
Tierney, James P., Brockton, Mass. Shoe machinery. 1,480,316; Jan. 8.
Topham, Charles F., Coventry, assignor to Courtaulds Limited, London, England. Pumping apparatus for viscous liquids. 1,480,425; Jan. 8.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Lateral shifting mechanism for jacks. 1,479,844; Jan. 8.
Trailmobile Company, The. (See Endebrock, John C., assignor.)
Trailmobile Company, The. (See Morrison, James, assignor.)
Trimble, John, Philadelphia, Pa. Apparatus for distributing concrete. 1,480,232; Jan. 8.
Tristano, Rock, Chicago, Ill. Bracing member for a lininglees coat sleeve. 1,480,426; Jan. 8.
Trumbull Electric Mfg. Co., The. (See Leppert, Henry E., assignor.)
Truskowski, Paul, Remsen, N. Y. Rein holder. 1,480,479; Jan. 8.
Turner, Claude A. P., Minneapolis, Minn., assignor to T. Wegener, Columbus, Ohio. Centering or form for reinforced concrete structures. 1,480,129; Jan. 8.
Tyler, W. S., Company, The. (See Reynolds, Morley P., assignor.)
Uehling, Fritz F., Passaic, N. J. Gas-analysis apparatus. 1,480,317; Jan. 8.
Underwood, Earl, assignor to Krements & Company, New York, N. Y. Collar-button-display tray. 1,480,427; Jan. 8.
Union Paper Company. (See Holt, Joseph W., assignor.)
United Shoe Machinery Corporation. (See Knott, C. L., and Erickson, assignors.)
United Shoe Machinery Corporation. (See Eck, Albin C., assignor.)
United Shoe Machinery Corporation. (See Ferguson, George, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Minett, assignors.)
United Shoe Machinery Corporation. (See Jackson, David G., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Small, Chester C., assignor.)
United States Specialty Corporation. (See Lundquist, Hans, assignor.)
Valade, Joseph E., Coaticook, Quebec, Canada. Nut lock. 1,480,318; Jan. 8.
Vallier, Orvis W., assignor to J. B. Wise Incorporated, Watertown, N. Y. Waste-valve mechanism. 1,479,944; Jan. 8.
Vanadium Corporation of America. (See Saklatwalla, B. D., and Anderson, assignors.)
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,750; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, N. Y., assignors to Fred Butterfield, & Co. Inc. Flocked voile fabric. Des. 63,751; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,752; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,753; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, N. Y., assignors to Fred Butterfield, & Co. Inc. Flocked voile fabric. Des. 63,754; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,755; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,756; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,757; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,758; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,759; Jan. 8.
Vandergaw, Edward B., Brooklyn, and J. Heinrich, New York, assignors to Fred Butterfield, & Co. Inc., New York, N. Y. Flocked voile fabric. Des. 63,760; Jan. 8.
Van Koughnet, E. S., et al. (See Anderson, Oliver N., assignor.)
Varnum, Arthur C., and J. E. Birdsall, Southbridge, Mass. Thread-clamping mechanism for looms. 1,480,480; Jan. 8.
Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Printing-telegraph system. 1,479,845; Jan. 8.
Vernam, Gilbert S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Ciphering device. 1,479,846; Jan. 8.
Vestine, Andrew O., assignor to Watertown Pressed Steel Company, Watertown, Mass. Wheel construction. 1,479,945; Jan. 8.
Vitamine Products Company. (See Eoff, John R., jr., assignor.)

Vogel-Jörgensen, Mikael, and K. Middelboe, Frederiksberg, near Copenhagen, Denmark, assignors to F. L. Smidth & Co., New York, N. Y. Rotary cement-burning kiln. 1,480,319; Jan. 8.
Vogt, Axel G., executor. (See Vogt, Axel S.)
Vogt, Axel S., deceased, Philadelphia, Pa., by Axel G. Vogt, Detroit, Mich., executor. Dashpot plunger. 1,480,033; Jan. 8.
Voice Recorder Company. (See Widmann, Eugene A., assignor.)
Von Arco, Graf G., assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Hallesches Ufer 12/13, Berlin, Germany. Speed regulator for high-frequency machines. 1,480,320; Jan. 8.
Von Oberstadt, Oscar B., McHenry, Ill. Machine for preserving eggs. 1,480,233; Jan. 8.
Wagenhorst, James H., Akron, Ohio. Wheel and making the same. 1,480,034; Jan. 8.
Wagner Electric Corporation. (See Wolff, Carl H., assignor.)
Wagner, Walter, Berwyn, assignor to International Filter Co., Chicago, Ill. Automatic proportionate-feed control. 1,479,881; Jan. 8.
Wahlquist, Andrew J., Roosevelt, Utah. Sash-cord fastener. 1,480,190; Jan. 8.
Wakefield, Robert W., Langeloth, Pa. Piston. 1,480,481; Jan. 8.
Wakeford, William T. (See Arnold, E. H., and Wakeford.)
Waldo, William E., et al. (See Haas, Victor E., assignor.)
Wales, Charles M., New York, N. Y. Lighting structure. 1,480,428; Jan. 8.
Wales, Nathaniel B., Boston, Mass., assignor to Wales Stoker Company, Hillsdale, Mich. Apparatus for smokeless combustion. 1,480,130; Jan. 8.
Wales Stoker Company. (See Wales, Nathaniel B., assignor.)
Walsdorf, Edward H., et al. (See Sauton, George H., assignor.)
Walsh, Martin A., Marmarth, N. Dak. Adjustable spotlight. 1,480,321; Jan. 8.
Walsh, Patrick. (See Mulqueen, L. F., and Walsh.)
Walsh, Walter E., Winthrop, and H. C. Jones, Watertown, Mass. Electric-light fixture. 1,480,189; Jan. 8.
Walters, Frederick C., Eugene, Oreg. Cable mechanism. 1,480,322; Jan. 8.
Walton, Joseph S., Los Angeles, Calif. Swivel connection. 1,479,882; Jan. 8.
Wappler Electric Co. (See Wappler, Reinhold H., assignor.)
Wappler, Reinhold H., Yonkers, N. Y., assignor to Wappler Electric Co., Inc. Electrode. 1,480,353; Jan. 8.
Wardell, Henry R., New York, N. Y., assignor to Stuso Laminated Slate Company, Chicago, Ill. Method and apparatus for removing dust from roofing grit. 1,480,354; Jan. 8.
Warner, Alonzo A. (See Smith, C. F., and Warner.)
Warner Gear Company. (See White, Samuel O., assignor.)
Warner Manufacturing Company. (See Cadman, A. B., and Allen, assignors.)
Warren, Coleman B., Norfolk, Va. Denture-model former. 1,479,946; Jan. 8.
Warrick, Orange S., and S. H. Houghton, Howard, Kans. Vehicle extricating device. 1,480,035; Jan. 8.
Washington Automotive Trade Association. (See Lum, Paul B., assignor.)
Watertown Pressed Steel Company. (See Vestine, Andrew O., assignor.)
Way, Charles H., Lansing, Mich. Automatic toilet flush. 1,479,947; Jan. 8.
Webster Electric Company. (See Hawkins, William W., assignor.)
Webster, Oscar A., Cranston, assignor to Allen Wrench & Tool Company, Providence, R. I. Holder for tools. 1,480,355; Jan. 8.
Webster, Towner K., jr., Winnetka, assignor to Frank D. Chase, Inc., Chicago, Ill. Squeeze machine. 1,480,131; Jan. 8.
Wedd, Benjamin G., Mortimer, N. Y. Shoe. 1,480,231; Jan. 8.
Wegener, Frank C., and J. F. Larson, Des Moines, Iowa. Handle for cooking utensils. 1,480,356; Jan. 8.
Wegener, E. (See Turner, Claude A. P., assignor.)
Weidlein, Luther B. (See Kling, F. E., and Weidlein.)
Wielding, Henry, assignor to York Street Flax Spinning Company Limited, Belfast, Ireland. Clutch driving mechanism. 1,480,483; Jan. 8.
Weinmann, Firm of Gustav. (See Petzel, Gustav, assignor.)
Welch, Kenneth, Grand Rapids, Mich. Cabinet. Des. 63,761; Jan. 8.
Welch, Kenneth, Grand Rapids, Mich. Cabinet. Des. 63,762; Jan. 8.
Wellman, R. C., et al. (See McClintock, James L., assignor.)
Wells Corporation, The. (See Wells, F. O., and Miller, assignors.)
Wells, Frank O., and D. B. Miller, assignors to The Wells Corporation, Greenfield, Mass. Thread-cutting die. 1,480,036; Jan. 8.
Wertz, John A., Canton, Ohio. Signal. 1,480,484; Jan. 8.
West, Charles H., Pittsburgh, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa. Ornamental bowl or similar article. Des. 63,763; Jan. 8.
Western Electric Company. (See Chaplin, Merle P., assignor.)
Western Electric Company. (See Clark, Edgar H., assignor.)
Western Electric Company. (See Clausen, H. P., and Goodrum, assignors.)
Western Electric Company. (See Clokey, Allison A., assignor.)
Western Electric Company. (See Deakin, Gerald, assignor.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company. (See Hoffman, Henry L., assignor.)
Western Electric Company. (See Holmberg, Charles G., jr., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Jammer, Jacob S., assignor.)
Western Electric Company. (See Johnson, Kenneth S., assignor.)
Western Electric Company. (See King, Robert W., assignor.)
Western Electric Company. (See Lattig, J. W., and Goodrum, assignors.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Matthies, William H., assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Moore, Charles R., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Snook, Homer C., assignor.)
Western Electric Company. (See Stevenson, George H., assignor.)
Western Electric Company. (See Strickler, Walter B., assignor.)
Western Electric Company. (See White, Charles, assignor.)
Westinghouse Electric & Manufacturing Co. (See Herr, Herbert T., assignor.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westmoreland Specialty Company. (See West, Charles H., assignor.)
Wheeler, Edison L., assignor to F. H. Wheeler Manufacturing Co., Chicago, Ill. Fireproof leggings. 1,479,883; Jan. 8.
Wheeler, F. H., Manufacturing Co. (See Wheeler, Edison L., assignor.)
Wheeler, H. J., Salvage Co. (See Wheeler, Hervey J., assignor.)
Wheeler, Hervey J., assignor to H. J. Wheeler Salvage Co. Inc., Brooklyn, N. Y. Pumping apparatus. 1,480,482; Jan. 8.
Wheeler, John L., assignor to The Measuregraph Company, St. Louis, Mo. Shutter-control device for measuring and computing machines. 1,479,976; Jan. 8.
Whitall-Tatum Company. (See Headley, B. T., Thompson, and Du Bois, assignors.)
White, Charles, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave signaling system. 1,480,235; Jan. 8.
White, Joseph, Middlesex, and Eckhard W., Plainfield, N. J., assignors to Hall Printing Press Company, Dunellen, N. J. Printing press and operating the same. 1,480,132; Jan. 8.
White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Mounting for gear-shift levers. 1,480,323; Jan. 8.
Whiting Corporation. (See Townsend, John S., assignor.)
Whitman, Ray B., Bridgeport, Conn. Control mechanism. 1,480,133; Jan. 8.
Wicks Larson & Co. (See Prisbrey, George W., assignor.)
Widmann, Eugene A., Brooklyn, assignor to Voice Recorder Company, Inc., New York, N. Y. Producing phonograph records of special types. 1,479,847; Jan. 8.
Wilkes, Frederick W. (See Guilfoyle, J. J., Wilkes, and Brierton.)
Willett, Alfred H., West New York, N. J., assignor to American Arch Company. Fire-box construction. 1,480,134; Jan. 8.
Williams, Horace M., Providence, R. I., assignor to Electrol Manufacturing Company. Storage battery. 1,479,848; Jan. 8.
Williams, Warren D., Erie, Pa. Steam shovel. 1,479,849; Jan. 8.
Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Double-disk wheel for automobiles. 1,480,325; Jan. 8.
Willison, John. (See Spence, H. L. and Willison.)
Willson, Russell A., assignor of one-half to F. N. Martin, Spokane, Wash. Liquid atomiser. 1,480,324; Jan. 8.

Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Controlling apparatus for battery-charging motor-generator sets and starting operation of the same. 1,480,326; Jan. 8.
Wilson, C. R., Body Company. (See La Barre, Raymond A., assignor.)
Wilson, George F. (See Ambler, R. R., and Wilson.)
Wilson-Jones Loose Leaf Company. (See Meyer, A. R., and Reed, assignors.)
Wilson, Robert A., Dallas, Tex. Underreamer blade check. 1,480,357; Jan. 8.
Wilson, Thomas E. P., Lynn, Mass. Mold and making castings. 1,480,191; Jan. 8.
Wirtz, George M., St. Paul, Minn. Folding carton. 1,480,358; Jan. 8.
Wise, J. B. Incorporated. (See Vallier, Orvis W., assignor.)
Wisenant, Oscar H., Colorado Springs, Colo. Aeroplane wing. 1,480,327; Jan. 8.
Wishard, David R. et al. (See Naugle, Howard N., assignor.)
Wolf, Clyde M., Hillsdale, Mich. Weather strip. 1,479,948; Jan. 8.
Wolff, Carl H., assignor to Wagner Electric Corporation, St. Louis, Mo. Short-circuiting mechanism. 1,480,328; Jan. 8.
Wood, Louis M., New York, N. Y., assignor, by mesne assignments, to Speed-O-Multiple Valve Lifter Corporation. Valve-spring lifter. 1,480,329; Jan. 8.
Wood, Thomas W., Chicago, Ill. Wheel. 1,480,359; Jan. 8.
Woodard, William E., Forest Hills, N. Y. Car truck. 1,480,135; Jan. 8.
Worcester Paper Box Company. (See Durick, H. C. and Bird, assignors.)
Worsfold, Cuthbert C., New Westminster, British Columbia, Canada. Bowlder dredge. 1,480,192; Jan. 8.
Worsley, Lercy S., Tampa, Fla. Steamer. 1,480,330; Jan. 8.
Würtz, Paul, New York, N. Y., and A. Steiner, Hoboken, N. J. Massage apparatus. 1,480,136; Jan. 8.
Wyatt, De Witt H., assignor to C. W. Osias, Columbus, Ohio. Traffic indicator. 1,480,037; Jan. 8.
Wyatt, William. (See Sule, J. C., and Wyatt.)
Wygant, Frederick A. (See Hand, E. A., and Wygant.)
Wyman, Albert L., Paterson, N. J. Cut-out. 1,480,193; Jan. 8.
Yasulaitis, Simon, Hoboken, N. J. Self-balancing airship. 1,480,429; Jan. 8.
Yonce, Kelley G., Ridge Spring, S. C. Fastening bolt or rivet. 1,480,485; Jan. 8.
York Street Flax Spinning Company. (See Weilding, Henry, assignor.)
Young, Harold H. (See King, A. H., and Young.)
Young, Robert W., Wilmette, Ill. Turntable tractor. 1,480,038; Jan. 8.
Zeigler, Lee W., New Windsor, Newburgh, N. Y. Statue. Des. 63,764; Jan. 8.
Zeitz, Hugo C. (See Street, James A., assignor.)
Zern, Andrew L., Philadelphia, Pa. Shoe. 1,479,884; Jan. 8.
Zorn, George R., assignor to General Elevator Company, Baltimore, Md. Elevator system. 1,480,331; Jan. 8.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrading machine. R. R. Ambler and G. F. Wilson. 1,480,332; Jan. 8.
Accelerator, Foot. C. S. Nelson. 1,480,400; Jan. 8.
Acrobats, Apparatus for. T. J. Patt. 1,479,830; Jan. 8.
Advertising novelty. E. T. Garlick. 1,480,524; Jan. 8.
Aeroplane wing. O. H. Wisenant. 1,480,327; Jan. 8.
Agricultural implements, Ratchet mechanism for. C. Sang. 1,480,351; Jan. 8.
Aircraft, Motive-power system for. C. B. Kirkham. 1,479,993; Jan. 8.
Aircraft, Position-light for. A. Luria. 1,479,862; Jan. 8.
Airship, Self-balancing. S. Yasulaitis. 1,480,429; Jan. 8.
Anhydrous magnesium chloride, Making. W. R. Collings and J. A. Gann. 1,479,982; Jan. 8.
Animal catcher. J. N. Mansfield. 1,480,173; Jan. 8;
Animal hopple. E. Herman. 1,480,443; Jan. 8.
Animal trap. I. C. Gambee. 1,479,853; Jan. 8.
Animal trap. R. Jacobi. 1,480,075; Jan. 8.
Antirattling device. J. L. McClintock. 1,480,087; Jan. 8.
Arch support. H. B. Kennedy. 1,480,079; Jan. 8.
Artillery brakes, Regulator for the outlet of liquid in. E. Rimailho. 1,480,468; Jan. 8.
Ash gate. F. H. Dunbar. 1,480,248; Jan. 8.
Atomizer, Liquid. R. A. Wilson. 1,480,324; Jan. 8.
Automobile attachment. F. Mashek. 1,480,406; Jan. 8.
Automobile camp equipment. G. C. Powell. 1,480,113; Jan. 8.
Automobile foot feed. A. E. Schaller. 1,479,934; Jan. 8.
Automobile headlight. P. W. Pomeroy and H. P. Schneider. 1,480,221; Jan. 8.
Automobile hood fastener. C. Eberhart, jr. 1,480,518; Jan. 8.
Automobile pedal lock. C. W. Carpenter. 1,480,149; Jan. 8.
Automobiles, Apparatus for washing. C. E. Stover. 1,479,841; Jan. 8.
Automobiles, Double-disk wheel for. W. E. Williams. 1,480,325; Jan. 8.
Automobiles, Emergency spindle for. A. Robechaud. 1,480,223; Jan. 8.
Automobiles, etc., Safety appliance for. L. Mordano. 1,480,178; Jan. 8.
Bag: *See*—
Traveling bag.
Bandages, Process and machine for making. D. O. Sewall. 1,480,017; Jan. 8.
Barrel bung, Vented. J. Orosz. 1,480,103; Jan. 8.
Basket-ball goal indicator. R. Jackson, jr. Re15,739; Jan. 8.
Battery: *See*—
Storage battery.
Battery-element remover. H. Collins. 1,480,195; Jan. 8.
Bearing, Roller. F. O. Norris. 1,480,293; Jan. 8.
Bearing, Self-adjusting. M. B. Setter. 1,480,185; Jan. 8.
Bed and play pen. C. L. Johnson. 1,479,907; Jan. 8.
Bed attachment for automobiles. V. F. Hrachovina. 1,480,071; Jan. 8.
Beet digging and conveying machine. A. M. Ricks. 1,479,929; Jan. 8.
Belt, Combination. G. A. Proctor. 1,480,114; Jan. 8.
Belt-connecting device. G. E. Hulse. 1,479,915; Jan. 8.
Belt fastener. W. H. Bradshaw and H. W. Tyndall. 1,479,850; Jan. 8.
Belt tightener. T. W. Carter. 1,480,046; Jan. 8.
Bench: *See*—
Piano bench.
Bessemerizing iron. R. S. McCaffery. 1,479,997; Jan. 8.
Bezel. G. A. Pearson. 1,480,298; Jan. 8.
Binder, Loose-leaf. J. Kahn. 1,479,817; Jan. 8.
Binder, Loose-leaf. A. R. Meyer and E. A. Reed. 1,479,919; Jan. 8.
Binders, Short-grain-handling attachment for. T. Svobodny. 1,480,313; Jan. 8.
Bituminous materials at low temperature, Installation for degasifying noncoking. H. Koppers. 1,480,271; Jan. 8.
Blowpipe. V. E. Haas. 1,480,260; Jan. 8.
Board container and blank therefor, Corrugated. C. H. Crowell. 1,480,047; Jan. 8.
Boll-weevil machine. A. Brigden. 1,479,954; Jan. 8.
Boll-weevil destroyer. J. B. Broadwell. 1,480,498; Jan. 8.
Boll-weevil destroyer. J. A. Stephenson. 1,480,123; Jan. 8.
Bolt: *See*—
Shackle bolt.
Bolt or rivet, Fastening. K. G. Yonce. 1,480,485; Jan. 8.
Bolts, nuts, screws, and the like, Machine for trimming blanks of. M. J. Riley. 1,479,835; Jan. 8.
Books and the like, Slip-on covers for. G. Degenring. 1,479,791; Jan. 8.
Book clamp, Check-. R. W. Cudworth. 1,480,196; Jan. 8.
Boot and shoe last, Adjustable. M. S. Cadwallader. 1,480,349; Jan. 8.
Boot or shoe and making. G. T. McLeod. 1,480,278; Jan. 8.
Bottle. W. B. Marble. Des. 63,724; Jan. 8.
Bottle-capping machine. W. W. Buresch. 1,480,369; Jan. 8.
Bottle cover, Milk-. H. M. Pierce. 1,480,415; Jan. 8.
Bottle opener, Milk-. J. F. Castro and A. Bail. 1,479,956; Jan. 8.
Bottle, Perfume. L. Philippe. Des. 63,734; Jan. 8.
Bottle-stopper shield. D. Enomoto. 1,479,985; Jan. 8.
Bow holder. A. L. Preston. 1,480,009; Jan. 8.
Bowl or similar article, Ornamental. C. H. West. Des. 63,763; Jan. 8.
Box: *See*—
Display box.
Mail box.
Reflector box.
Bracket: *See*—
Gutter bracket.
Radiator bracket.
Brake: *See*—
Hydraulic brake.
Safety brake.
Brake mechanism. H. Dotzer. 1,480,049–50; Jan. 8.
Brake mechanism. B. F. Kurtz. 1,479,820; Jan. 8.
Braiding carrier. R. C. Hahm. 1,479,831; Jan. 8.
Brick and tile and the like, Forming rug texture surfaces on. B. Goen. 1,480,433; Jan. 8.
Broom handle, Detachable. A. D. Bennett. 1,480,365; Jan. 8.
Buckle. S. H. Brown. 1,480,347; Jan. 8.
Buckle. W. E. Hatheway. 1,479,913; Jan. 8.
Buckle. H. A. Tiemann. 1,480,128; Jan. 8.
Buffer. G. A. Lyon. 1,480,086; Jan. 8.
Buffing tool, Portable. W. Hoffman. 1,480,263; Jan. 8.
Building construction. V. O. Jeffries. 1,479,966; Jan. 8.
Burner: *See*—
Gas burner.
Liquid-fuel burner.
Oil burner.
Button pencil clasp. C. L. Cruver. 1,479,957; Jan. 8.
Cabinet. E. Morris. Des. 63,726–7; Jan. 8.
Cabinet. K. Welch. Des. 63,761–2; Jan. 8.
Cabinet and wardrobe. W. D. Kent. 1,480,080; Jan. 8.
Cabinet, Display. A. L. Heller. 1,480,537; Jan. 8.
Cabinet, Towel. A. H. Martin. 1,479,864; Jan. 8.
Cabinet, Towel. A. L. Overholt. 1,480,294; Jan. 8.
Cable mechanism. F. C. Walters. 1,480,322; Jan. 8.
Calculating-machine cabinet. L. C. Greiner. 1,480,259; Jan. 8.
Candle, Electric. G. M. Lewis. 1,479,860; Jan. 8.
Can-filling machine. C. H. Ayars. 1,480,334–5; Jan. 8.
Can-filling machine. C. H. Ayars. 1,480,337; Jan. 8.
Candlestick. A. E. Reynolds. Des. 63,736; Jan. 8.
Car truck. W. E. Woodard. 1,480,135; Jan. 8.
Cars and the like, Unloading machine for railway. R. C. Rosenberg, jr. 1,480,470; Jan. 8.
Cars, Grain door for railway. E. Posson. 1,480,008; Jan. 8.
Cars, Heater for motor. A. Denman-Jones. 1,479,968; Jan. 8.
Cars, Manifold for motor. O. Hayes. 1,480,066; Jan. 8.
Cars, Supporting and driving band for motor. A. Kégresse. 1,480,078; Jan. 8.
Cars, Ventilator for closed. R. A. La Barre. 1,480,274; Jan. 8.
Caramel-forming machine. J. N. Collins and E. G. Oszman. 1,479,898; Jan. 8.
Carbon and making same, Decolorizing. R. A. Demme. 1,479,851; Jan. 8.
Carbon from piston grooves, Device for removing. C. H. Olson and W. F. Page. 1,479,829; Jan. 8.
Carburetor. G. H. Taber. 1,480,478; Jan. 8.
Carburizing, Material for. G. W. Pressell. 1,480,418; Jan. 8.

Card system, Visible. W. A. Ringler. 1,480,419; Jan. 8.
Carriage, Baby. C. J. Koch. 1,480,451; Jan. 8.
Carrier: *See*—
Braiding carrier. Lumber carrier.
Luggage carrier.
Carrying case. G. D. Sturges. 1,479,975; Jan. 8.
Cart with sidewards tiltable bridge. J. Ochsner. 1,480,220; Jan. 8.
Carton and liner forming machines. G. H. Bent. 1,480,143; Jan. 8.
Carton, Folding. G. W. Wirts. 1,480,358; Jan. 8.
Case: *See*—
Carrying case. Shipping case.
Sample case. Toothbrush case.
Casting machine. J. F. Morrison. 1,480,179; Jan. 8.
Casting machine. W. H. Pashley. 1,480,107; Jan. 8.
Cellulose-ether solvent and composition. S. J. Carroll. 1,479,955; Jan. 8.
Cellulose solvent and resulting celluiosic composition. M. Y. Seaton. 1,480,016; Jan. 8.
Cement-block machine. J. H. Miller. 1,480,177; Jan. 8.
Cement-block molding apparatus, Multiple. W. Goldie. 1,480,058; Jan. 8.
Cement or fibrocement under pressure, Casting. E. W. Roberts and L. F. W. Leese. 1,480,010; Jan. 8.
Cementing machine. W. F. Lautenschlager. 1,480,275; Jan. 8.
Chain; Drive. F. L. Morse. 1,480,528; Jan. 8.
Chain-making machine. J. A. Payette. 1,479,870; Jan. 8.
Chain, Multiplate power. F. L. Morse. 1,480,527; Jan. 8.
Chair. A. H. Stringe. Des. 63,749; Jan. 8.
Chest, Packing and storing. J. Howell. 1,480,466; Jan. 8.
Chute, Spiral lowering. F. and F. jr., Pardee. 1,480,105; Jan. 8.
Cigarette extinguisher. W. H. J. Hipple, jr. 1,480,069; Jan. 8.
Cigarette holder. J. G. Theobald. 1,479,942; Jan. 8.
Cigarillos and the like, Machine for making. A. Bargeboer. 1,480,490; Jan. 8.
Cinema films and like strips having feed perforations and cooperating with said perforations. W. C. Jeapes and A. L. V. C. Debrie. 1,480,514; Jan. 8.
Cinematograph mechanism. G. B. Bowell. 1,479,888; Jan. 8.
Ciphering device. G. S. Vernam. 1,479,846; Jan. 8.
Circuit breaker. J. T. Heck. 1,480,442; Jan. 8.
Circuit closer. J. C. Olsen. 1,480,102; Jan. 8.
Clamp: *See*—
Book clamp. Skate-grinding clamp.
Hose clamp. Stringer clamp.
Clasp: *See*—
Button pencil clasp.
Cleaner: *See*—
Gas cleaner.
Clocks, Driving wheel for. C. G. Riley. 1,480,467; Jan. 8.
Clothes and the like as a protection from moths, Impregnating. E. Naefe. 1,480,289; Jan. 8.
Clothes-handling implement. M. R. Fennelly. 1,480,159; Jan. 8.
Clothespin. W. A. Martin. 1,480,001; Jan. 8.
Clothespin, Safety. H. E. Soulard. 1,480,187; Jan. 8.
Clothesline, Clothes holder for. J. Edwards. 1,480,249; Jan. 8.
Clothesline support. W. H. Ortman. 1,480,006; Jan. 8.
Clutch. A. T. Sturt and G. H. Robinson. 1,479,971; Jan. 8.
Clutch. A. T. Sturt and G. H. Robinson. 1,479,973–4; Jan. 8.
Clutch-driving mechanism. H. Weilding. 1,480,483; Jan. 8.
Clutch, Friction. M. P. Chaplin. 1,480,239; Jan. 8.
Clutch mechanism. O. T. Nelson. 1,480,200; Jan. 8.
Coal heater. L. Dana. Des. 63,708; Jan. 8.
Coal or other briquettes, Manufacture of. H. G. Lloyd. 1,479,822; Jan. 8.
Coffee urn. J. T. Pedersen. 1,480,413; Jan. 8.
Collar, Clutch. A. T. Sturt and G. H. Robinson. 1,479,972; Jan. 8.
Columns, towers, etc., Body for filling. G. Petzel. 1,480,463; Jan. 8.
Combination lock. J. P. Ioor. 1,479,965; Jan. 8.
Compass, Solar. F. W. Fellows. 1,480,055; Jan. 8.
Compressing machine. C. L. Knott and E. Erickson. 1,479,795; Jan. 8.
Compressing machine. C. C. Small. 1,479,838; Jan. 8.
Compressor, Air. C. A. Humason and J. F. Basbara. 1,479,856; Jan. 8.
Concentrating machine. P. F. Reinhart. 1,480,466; Jan. 8.
Concrete, Apparatus for distributing. J. Trimble. 1,480,232; Jan. 8.
Concrete structures, Centering or form for reinforced. C. A. P. Turner. 1,480,129; Jan. 8.
Condiment holder. L. D. Scott. Des. 63,740; Jan. 8.
Container. A. Miller. 1,480,176; Jan. 8.
Control device, Safety. H. H. Logan. 1,480,170; Jan. 8.
Control mechanism. R. B. Whitman. 1,480,133; Jan. 8.
Conveyer. C. F. Heinkel. 1,480,067; Jan. 8.
Cooker. F. W. Smith. 1,480,186; Jan. 8.
Cooking utensils, Handle for. F. C. Wegener and J. F. Larson. 1,480,356; Jan. 8.
Corset. W. F. Albert. 1,479,780; Jan. 8.
Cotton picker. W. A. Stone. 1,480,125; Jan. 8.
Cover, Quick-removal. J. H. Stebbins. 1,480,311; Jan. 8.
Crane stop, Safety. W. B. Lane. 1,480,169; Jan. 8.
Crankless engine. C. W. Clementz. 1,480,506; Jan. 8.
Crank-pin tool. G. F. Krieger. 1,480,401; Jan. 8.
Cribs, Blanket-holding device for. M. Kahne. 1,479,818; Jan. 8.
Cultivator. G. W. Reust. 1,480,184; Jan. 8.
Cut-off, Automatic safety. A. L. Miller. 1,480,093; Jan. 8.
Curtain swing. J. Z. Benson. 1,480,493; Jan. 8.
Cut-out. A. L. Wyman. 1,480,193; Jan. 8.
Cutter; *See*—
Grass cutter. Thread cutter.
Cutting and welding with fluid fuel, Machine for. J. Harris. 1,479,980; Jan. 8.
Cylinder-grinding mechanism. J. C. Crithfield. 1,480,512; Jan. 8.
Cylinder-reboring machine. F. T. Flinchbaugh. 1,480,254; Jan. 8.
Dashpot plunger. A. S. Vogt. 1,480,033; Jan. 8.
Dehydrator. W. Meredith. 1,480,091; Jan. 8.
Dental floss appliance. J. G. Ogden. 1,480,101; Jan. 8.
Dental purposes, Electric oven for. W. A. Bjornstad and R. A. Silene. 1,479,951; Jan. 8.
Denture-model former. C. B. Warren. 1,479,946; Jan. 8.
Depolarizing mixture and preparing same. W. R. Clymer. 1,480,533; Jan. 8.
Die: *See*—
Thread-cutting die.
Die-forging machine. E. E. Johnson. 1,480,077; Jan. 8.
Dies or the like, Apparatus for removing articles from forging. F. B. Bell. 1,480,142; Jan. 8.
Dieing machine. C. L. Bowers and H. J. Boone. 1,480,044; Jan. 8.
Differential mechanism. J. A. Street. 1,480,228; Jan. 8.
Dish, Covered. M. A. Haley. Des. 63,717; Jan. 8.
Dishwashing apparatus. G. S. Blakeslee. 1,480,043; Jan. 8.
Disk and scraper mounting. R. L. Ford. 1,480,161; Jan. 8.
Dispensing apparatus. G. W. Hiddleson. 1,479,810; Jan. 8
Display box, Folding. H. C. Durick and J. T. Bird. 1,480,199; Jan. 8.
Ditching machine. E. L. Clark. 1,480,504; Jan. 8.
Doll. M. J. Duff. Des. 63,710; Jan. 8.
Door mounting. W. S. Slangerup. 1,480,475; Jan. 8.
Doors and mail boxes, Letter plate for. G. D. Murray. 1,480,288; Jan. 8.
Draft evener. C. T. Hansen. 1,480,204; Jan. 8.
Dredge, Bowider. C. C. Worsfold. 1,480,192; Jan. 8.
Drill: *See*—
Roller drill.
Drill head. F. E. Sackrider. 1,479,872; Jan. 8.
Drill presses, Attachment for. F. E. Bessler. 1,480,494–5; Jan. 8.
Driving wheel. O. S. Ruud. 1,479,931; Jan. 8.
Dust from roofing grit, Method and apparatus for removing. H. R. Wardell. 1,480,354; Jan. 8.
Educational appliance. S. D. Mershon. 1,480,458; Jan. 8.
Educational device. O. E. Shirley. 1,479,876; Jan. 8.
Eggs, Machine for preserving. O. B. von Oberstadt. 1,480,233; Jan. 8.
Electric dehydrator. F. W. Harris. 1,480,064; Jan. 8.
Electric heater, Portable. O. N. Anderson. 1,480,362; Jan. 8.
Electric-light fixture. W. E. Walsh and H. C. Jones. 1,480,189; Jan. 8.
Electric machinery, Dynamo-. C. A. Parsons and J. Rosen. 1,480,412; Jan. 8.
Electric-motor control. B. D. Saklatwalla and A. N. Anderson. 1,479,836; Jan. 8.
Electric switch. E. G. K. Anderson. 1,480,135; Jan. 8.
Electric switch, Safety. R. F. Poll. 1,480,111; Jan. 8.
Electric toaster. J. F. Lamb. 1,480,084; Jan. 8.
Electric welding apparatus. H. E. Snodgrass. 1,480,022; Jan. 8.
Electrical cut-out. H. C. Snook. 1,480,225; Jan. 8.
Electrical instruments, Dial mounting for. F. H. Burns. 1,480,238; Jan. 8.
Electrical switching apparatus. W. M. Scott. 1,480,306; Jan. 8.
Electrode. R. H. Wappler. 1,480,353; Jan. 8.
Electron-discharge device. R. W. King. 1,479,991; Jan. 8.
Elevator system. G. R. Zorn. 1,480,331; Jan. 8.
End gate. G. Klomhaus. 1,480,081; Jan. 8.
Engine: *See*—
Crankless engine. Steam engine.
Internal-combustion engine.
Engine-cooling system. H. C. Mallory. 1,480,280; Jan. 8.
Engine-cooling systems, Condenser for. H. C. Mallory. 1,480,281; Jan. 8.
Engine-cooling system. H. C. Mallory. 1,480,282; Jan. 8.
Engines, Cylinder, more particularly those for combustion. J. C. M. Maciagan. 1,480,455; Jan. 8.
Engines, Fuel conditioner for internal-combustion. F. C. Goff. 1,479,803; Jan. 8.
Engines, Fuel-supply device for internal-combustion. C. R. Short and C. E. Summers. 1,480,308; Jan. 8.

Engines, Governor for internal-combustion. C. R. Short and A. Taub. 1,480,309; Jan. 8.
Engines, Heater for intake manifold for internal-combustion. S. I. Fekete. 1,479,005; Jan. 8.
Engines, Means for starting internal-combustion. C. H. D. Hayward. 1,479,808; Jan. 8.
Engines, Safety cranking means for internal-combustion. G. O. Gustafson. 1,480,061; Jan. 8.
Escapement mechanism. C. H. Brigden. 1,480,346; Jan. 8.
Excavating apparatus. C. L. Hansen and E. H. Peer. 1,479,806; Jan. 8.
Extension table. E. A. Gutridge. 1,479,805; Jan. 8.
Fabric, Printed. L. Bluhm. Des. 63,706; Jan. 8.
Fabrics and removing shine therefrom, Restoring. G. K. Suzuki. 1,480,352; Jan. 8.
Fabrics, Embroidery for finishing the edges of. W. N. Parkes. 1,480,538; Jan. 8.
Fabrics, Label for wound or rolled. F. W. Seaton. 1,480,307; Jan. 8.
Fan. E. F. Colby. 1,479,895; Jan. 8.
Fancy bag. H. J. Dudley. Des. 63,709; Jan. 8.
Fastener-operating device. N. Statham. 1,480,027; Jan. 8.
Fastener, Separable. F. S. Carr. 1,480,530–2; Jan. 8.
Fastening-handling mechanism. J. Gouldbourn and W. J. Minett. 1,479,804; Jan. 8.
Fastenings, Machine for inserting. A. C. Eek. 1,479,793; Jan. 8.
Feed control, Automatic proportionate. W. Wagner. 1,479,881; Jan. 8.
Feeder, Animal. J. W. Coleman. 1,479,896; Jan. 8.
Feed hopper, Dry mash. M. Brandt. 1,480,497; Jan. 8.
Filling machine, Bottom-. L. L. Miller. 1,480,094; Jan. 8
Film lettering and tilting device. H. H. Hood. 1,480,265; Jan. 8.
Filtering materials, Method of and apparatus for treating. J. R. McConnell. 1,479,998; Jan. 8.
Finger ring or similar article. L. Fiedler. Des. 63,711; Jan. 8.
Firearms, Sight for. H. G. Davis. 1,480,048; Jan. 8.
Fire-box construction. A. H. Willett. 1,480,134; Jan. 8.
Fire extinguisher. G. W. Collin. 1,479,788; Jan. 8.
Fire extinguisher. H. W. Linard. 1,480,085; Jan. 8.
Fireproof legging. E. L. Wheeler. 1,479,883; Jan. 8.
Fishing tool. C. F. De Armond. 1,480,378; Jan. 8.
Flash-light powder, Devices for igniting. B. Grotta. 1,480,162; Jan. 8.
Flashing. C. C. Figge. 1,480,383; Jan. 8.
Flies or other insects, Device for catching. O. R. Dailey. 1,480,245; Jan. 8.
Fluids, Crystallizing. C. Field. 1,480,382; Jan. 8.
Flow meter. R. W. Schroeder. 1,479,873; Jan. 8.
Fluid-controlling device. M. E. Gates. 1,480,256; Jan. 8.
Fluid meter. A. J. Granberg. 1,479,961; Jan. 8.
Fluid-pressure-controlling means. A. A. Parker. 1,480,297; Jan. 8.
Flying machine, Hull of. C. Dornier. 1,479,901; Jan. 8.
Foundry molding machine. R. Duffus. 1,479,958; Jan. 8.
Frame: *See*—
Heddle frame.
Fuel and cooling system, Motor. R. Krollage. 1,480,402; Jan. 8.
Fuel and process of production. E. A. Charbonneaux. 1,480,372; Jan. 8.
Furnace: *See*—
Hearth furnace. Solar furnace.
Retort furnace.
Furnace. F. M. Allen. 1,480,361; Jan. 8.
Furnace. H. C. Rentschler. 1,480,301; Jan. 8.
Furnaces, Feeding fuel to blast. E. N. Goode and M. J. Johns. 1,480,434; Jan. 8.
Game apparatus. W. P. Agee, jr. 1,480,360; Jan. 8.
Game apparatus, Mathematical. H. J. Kinney. 1,479,992; Jan. 8.
Garment hanger. E. J. and D. L. Hart. 1,480,065; Jan. 8.
Garment supporter. J. W. Beasley, jr. 1,480,491; Jan. 8.
Garment, Union. D. E. Heller. 1,479,854; Jan. 8.
Garter. S. A. Scheck. 1,480,305; Jan. 8.
Gas analysis apparatus. F. F. Uehling. 1,480,317; Jan. 8.
Gas and apparatus therefor, Compressing. E. A. Rix. 1,480,117; Jan. 8.
Gas and coal fired furnace, Combination. B. Bannister. 1,480,339; Jan. 8.
Gas burner. F. M. Taylor. 1,479,941; Jan. 8.
Gas cleaner, Dry. F. E. Kling and L. B. Weidlein. 1,480,399; Jan. 8.
Gas heater. J. H. Grayson. Des. 63,713–16; Jan. 8.
Gas heater. A. B. Sharp. Des. 63,743–5; Jan. 8.
Gas-meter protecting means. G. H. Sauton. 1,480,472; Jan. 8.
Gas, Process of and apparatus for burning. G. D. Bradshaw. 1,480,146; Jan. 8.
Gas producer. E. L. Broome. 1,480,148; Jan. 8.
Gas producer. A. B. Cox. 1,480,152; Jan. 8.
Gas producer for use with automotive mechanism. W. W. Odell. 1,480,183; Jan. 8.
Gases containing hydrogen sulphide, Treating and purifying. A. Engelhardt. 1,479,852; Jan. 8.
Gaslighter, Electric. J. H. Roden. 1,480,011; Jan. 8.
Gasoline vaporizer. J. Thrill. 1,480,082; Jan. 8.
Gate: *See*—
Ash gate. Railway-crossing gate.
End gate.
Gate. S. O. Bryant. 1,480,501; Jan. 8.
Gauge: *See*—
Saw gauge.
Gear housing and joint, Swivel. J. K. Olsen. 1,480,005; Jan. 8.
Gear-operated lubricator. H. W. Fletcher. 1,480,536; Jan. 8.
Gear shift levers, Mounting for. S. O. White. 1,480,323; Jan. 8.
Gin, Cotton. G. E. Evans. 1,480,054; Jan. 8.
Glass cylinders, Apparatus for drawing and taking down. A. E. Spinasse. 1,480,188; Jan. 8.
Glass-making apparatus, Conveyer in. C. I. Hall, and A. Samuelson. 1,480,063; Jan. 8.
Grass cutter. N. G. Cosman. 1,480,151; Jan. 8.
Grate and mounting. T. H. Graf. 1,480,431; Jan. 8.
Grinders, Cutter and grinding attachment for meat and bone. E. C. Chiles. 1,480,526; Jan. 8.
Grinding machine. W. Taylor. 1,479,843; Jan. 8.
Guard. C. F. Smith and A. A. Warner. 1,480,020; Jan. 8.
Gun. J. Falier and I. Lapidus. 1,480,521; Jan. 8.
Gun. G. H. Martin and A. V. Arnold. 1,480,350; Jan. 8.
Gutter bracket. I. Green. 1,480,435; Jan. 8.
Hæmacytometer. C. A. Hausser. 1,480,391; Jan. 8.
Hair clipper. S. Z. Gibson. 1,480,057; Jan. 8.
Hammock and bag, Combination. K. Erland. 1,479,903; Jan. 8.
Handle: *See*—
Broom handle.
Hanger: *See*—
Garment hanger.
Harvester guard. U. H. Cremer. 1,480,244; Jan. 8.
Harvesting machine, Beet-. W. H. Kopitke. 1,480,270; Jan. 8.
Headlights, Anti-glare device for automobile. J. Steinhilper. 1,479,879; Jan. 8.
Headrest, Motorists'. J. Ickernroth. Re15,742; Jan. 8.
Hearth furnace, Helical. E. Bracq-Laurent. 1,479,785; Jan. 8.
Heater: *See*—
Electric heater. Water heater.
Sand-pipe heater.
Heater. A. J. Kluever. 1,479,819; Jan. 8.
Heddle frame. J. Kaufmann. 1,480,396; Jan. 8.
Heel guard for shoes. C. Snyder. 1,479,839; Jan. 8.
Heel protector. W. Barrett. 1,479,950; Jan. 8.
Hobbyhorse. E. G. Robeson. 1,479,930; Jan. 8.
Hose clamp. O A Gage 1,479,988; Jan 8
Hose clamp. E. A. Johnson. 1,479,917; Jan. 8.
Hose, Support for garden. J. Thompson. 1,479,943; Jan. 8.
Humidor. F. S. Stafford. Des. 63,746–8; Jan. 8.
Hydraulic brake. R. B. Bixler and W. E. Steadman. 1,480,104; Jan. 8.
Hydraulic press. E. C. Hodges. 1,479,855; Jan. 8.
Hydrazine, Manufacture of. R. A. Joyner. 1,480,166; Jan. 8.
Hydrocarbons containing minerals, Apparatus for treating. C. P. Bowie and M. J. Gavin. 1,480,045; Jan. 8.
Hydrogenation, Process and apparatus for. C. Ellis. 1,480,251; Jan. 8.
Ice-cream-cone machine. C. Mignerey. 1,480,284; Jan. 8.
Ice-cream scoop. F. C. Kirchhoff. 1,480,398; Jan. 8.
Ice-harvesting machine. E. E. Keyser. 1,480,450; Jan. 8.
Ice, Manufacturing. H. Friedl. 1,480,255; Jan. 8.
Ignition equipment. W. W. Hawkins. 1,480,164; Jan. 8.
Illuminated intaglio display device. C. C. Cristadoro. 1,480,375; Jan. 8.
Impedance element. G. H. Stevenson. 1,480,227; Jan. 8.
Incinerator, Refuse. B. F. Shaughnessy. 1,479,875; Jan. 8.
Indicator: *See*—
Basket-ball goal indicator. Traffic indicator.
Interest indicator. Vehicle direction indicator.
Liquid-volume indicator.
Ingots of pure nickel from impure oxides of nickel, Manufacture of. J. de F. Lamothe. 1,480,212; Jan. 8.
Inner tube. E. Fetter. 1,480,252; Jan. 8.
Interest indicator, Savings-bank. H. S. Moir. Re15,743; Jan. 8.
Internal-combustion engine. A. M. Bray. 1,479,953; Jan. 8.
Internal-combustion engine, Multicylinder. A. Lieo and C. Baradat. 1,479,918; Jan. 8.
Ignition mechanism, Safety device for. C. B. Hardman. 1,479,910; Jan. 8.
Iron: *See*—
Bessemerizing iron.
Jacks, Construction of hydraulic lifting. L. A. Collis. 1,480,508; Jan. 8.
Jacks, Lateral shifting mechanism for. J. S. Townsend. 1,479,844; Jan. 8.
Joint: *See*—
Universal joint.
Jute and like fibrous material, Treatment of. F. D. S. Sandeman. 1,480,471; Jan. 8.
Kiln, Rotary cement burning. M. Vogel-Jörgensen and K. Middelboe. 1,480,319; Jan. 8.

Knee pad, Pneumatic. W. D. Covington. 1,480,374; Jan. 8.
Knitting-machine needle. R. W. Scott. Re15,740–1; Jan. 8.
Lace. S. H. Page. Des. 63,731–2; Jan. 8.
Lace. B. Shapiro. Des. 63,742; Jan. 8.
Lamp for vehicles, Side. W. F. O'Connor. 1,480,295; Jan. 8.
Lamp socket, Shield for electric-. P. Mohrmann. Des. 63,725; Jan. 8.
Lamps in their lamp holders, Device for locking electric incandescent. H. Francis. 1,480,523; Jan. 8.
Lantern. E. J. McDade. 1,480,171; Jan. 8.
Lathe center. A. C. Boyce. 1,479,952; Jan. 8.
Lawn sprinkler. C. W. Coblentz, J. R. Faries, and H. P. Bond. 1,480,507; Jan. 8.
Leather, Gauging. M. H. Reymond. Re15,744; Jan. 8.
Lens-grinding laps, Machine for truing. J. J. Gullfoyle, F. W. Wilkes, and B. E. Brierton. 1,480,438; Jan. 8.
Letter drop. T. N. Badger. 1,480,041; Jan. 8.
Letters, Making glass-plate. A. W. Gast. 1,479,801; Jan. 8.
Levers, Antiwear device for controlling. W. A. Madison and W. H. Dunston. 1,480,088; Jan. 8.
Life preserver. T. I. Potter. 1,480,417; Jan. 8.
Lifter: *See*—
Valve-spring lifter.
Light-signalling apparatus. A. Luria. 1,479,861; Jan. 8.
Lighting structures. C. M. Wales. 1,480,428; Jan. 8.
Liners with cartons, Method and apparatus for associating. G. H. Bent. 1,480,144; Jan. 8.
Link, Fusible. F. W. McDonald. 1,479,999; Jan. 8.
Linoleum scraps into new linoleum, Working up of. V. Scholz. 1,480,475; Jan. 8.
Lip-stick holder. W. G. Kendall. 1,480,449; Jan. 8.
Liquid dispenser. C. A. and A. L. Bobrick. 1,479,977–8; Jan. 8.
Liquid-dispensing device. G. R. Long and H. G. Cordley. 1,480,405; Jan. 8.
Liquid-fuel burner. J. A. X. Burgos. 1,479,892; Jan. 8.
Liquid fuel, Manufacturing. J. Black. 1,480,368; Jan. 8.
Liquid-volume indicator. C. D. Jenney. 1,479,858; Jan. 8.
Liquids, Pumping apparatus for viscous. C. F. Topham. 1,480,425; Jan. 8.
Loader, Fodder. R. Nose. 1,480,410; Jan. 8.
Lock: *See*—
Automobile pedal lock. Nut lock.
Combination lock. Sash lock.
Lock. W. A. Mueller. 1,480,181; Jan. 8.
Lock. L. Pongrac. 1,480,222; Jan. 8.
Lock-applying machine, Shingle-. B. C. Kridler and J. C. Boyle. 1,480,167; Jan. 8.
Lock handle. S. A. Gutman. 1,480,062; Jan. 8.
Locomotive. H. T. Herr. 1,480,392; Jan. 8.
Locomotives, Battery box for storage-battery. R. Mancha. 1,480,089; Jan. 8.
Looms, Oilless bearing for harness rolls for. J. L. Bobo. 1,480,496; Jan. 8.
Looms, Thread-clamping mechanism for. A. C. Varnum and J. E. Birdsall. 1,480,480; Jan. 8.
Looms, Warp stop motion for. P. Keegan. 1,480,448; Jan. 8.
Looms, Warp stop mechanism for. E. S. Stimpson. 1,480,124; Jan. 8.
Loops, Machine for forming sheet-metal. J. R. Sexton. 1,480,122; Jan. 8.
Lubricating. K. O. Leon. 1,479,969; Jan. 8.
Lubricating device. D. F. Fesler. 1,479,986; Jan. 8.
Lubricating system. E. W. Davis. 1,479,983; Jan. 8.
Lubricator: *See*—
Gear-operated lubricator.
Luggage carrier. L. I. Beckwith. 1,480,340; Jan. 8.
Lumber carrier. C. F. Gerlinger. 1,480,257; Jan. 8.
Machines, Protecting device for. L. E. Mitchell. 1,479,922; Jan. 8.
Magnetic separator. H. H. Thompson and A. E. Davies. 1,480,315; Jan. 8.
Magnifying implement. C. A. Appler. 1,479,885; Jan. 8.
Mail box. O. O. Eolstad. 1,480,452; Jan. 8.
Manganese or of manganese alloys poor in carbon and silicon, Manufacture of. B. M. S. Kalling and S. D. Danielli. 1,480,267; Jan. 8.
Mantle, Evaporation-preventing. A. B. Davis. 1,479,790; Jan. 8.
Massage apparatus. R. S. Thompson. 1,480,424; Jan. 8.
Massage apparatus. P. Würtz and A. Steiner. 1,480,136; Jan. 8.
Mast arm. H. A. Selah. 1,480,121; Jan. 8.
Measuring and computing machines, Shutter-control device for. J. L. Wheeler. 1,479,976; Jan. 8.
Metal, Making antifriction. W. Koehler. 1,479,859; Jan. 8.
Metallurgical apparatus. W. E. Greenawalt. 1,480,060; Jan. 8.
Metallurgical process. W. E. Greenawalt. 1,480,059; Jan. 8.
Meter: *See*—
Flow meter. Fluid meter.
Milking machines, Pulsator for. A. Behnke and J. C. Jenson. 1,480,492; Jan. 8.
Mining machine. E. C. Morgan. 1,480,003; Jan. 8.
Model, Color. A. S. Allen. 1,480,486; Jan. 8.
Mold and making castings. T. E. P. Wilson. 1,480,191; Jan. 8.
Molding machine. L. F. Mulqueen and P. Walsh. 1,480,098; Jan. 8.
Mop. W. H. Fisher. 1,479,906; Jan. 8.
Mosaic, miter-square work, Making. S. C. Ecklund. 1,480,519; Jan. 8.
Motor-generator sets and starting operation of the same, Controlling apparatus for battery-charging. G. O. Wilms. 1,480,326; Jan. 8.
Mower. C. A. A. Rand. 1,480,115; Jan. 8.
Music-leaf turner. A. C. Bartholo, and M. Perry. 1,479,781; Jan. 8.
Nail-making machine. F. H. Sleeper. 1,479,877; Jan. 8.
Nailing machine. L. A. Holman. 1,480,444; Jan. 8.
Nitrides, Hydrolyzing. G. E. Sell. 1,479,874; Jan. 8.
Nitrogen from the air, Obtaining. W. A. Nelson. 1,480,201; Jan. 8.
Nonskid chain. H. Klonick. 1,480,269; Jan. 8.
Nut lock. F. A. Leui. 1,480,213; Jan. 8.
Nut lock. J. E. Valade. 1,480,318; Jan. 8.
Oil burner. E. G. Gibson. 1,480,430; Jan. 8.
Oil burner. L. F. Nock. 1,479,868; Jan. 8.
Oils, Refining. W. J. Reilly. 1,479,833; Jan. 8.
Ores, products, and compounds, Producing metallic lead from. M. G. Platten. 1,480,110; Jan. 8.
Ores, Treatment of sulphide and oxidized. H. J. E. Hamilton. 1,480,439; Jan. 8.
Oscillator. A. L. Golden. 1,480,388; Jan. 8.
Oven-clearing mechanism, Coke-. D. Ferguson. 1,480,160; Jan. 8.
Oven, hot plate, bain-marie, and the like. E. Cleary. 1,480,505; Jan. 8.
Pad: *See*—
Knee pad.
Paper, Fly. J. Grecu. 1,480,539; Jan. 8.
Paper-folding machine. C. Arelt. 1,480,236; Jan. 8.
Paper manufacturing. E. H. Butterfield and F. D. Otterbein. 1,479,786; Jan. 8.
Paper pasting and folding machine, Wall-. H. G. Doolittle. 1,480,517; Jan. 8.
Paper vessel, Liquid-proof. E. W. Labombarde. 1,480,083; Jan. 8.
Pavements, Device for finishing concrete. W. L. Ashmore. 1,479,949; Jan. 8.
Pedal attachment. J. A. Kauffman. 1,480,211; Jan. 8.
Pedal mechanism, Foot-. F. C. Smith. 1,480,421; Jan. 8.
Pedestal base. L. Stevens. Des. 63,741; Jan. 8.
Pen and lead pencil, Combined fountain. G. A. Lundmark. 1,479,996; Jan. 8.
Pen, Fountain drawing. E. R. G. A. Rösler. 1,480,302; Jan. 8.
Periodically-operated mechanism. H. S. Sines. 1,479,837; Jan. 8.
Periscope. H. A. Poppenhusen. 1,480,112; Jan. 8.
Phonograph needle. S. Nelson. 1,480,100; Jan. 8.
Phonograph and analogous apparatus. E. Grissinger. 1,480,203; Jan. 8.
Phonograph-record device. V. H. Emerson. 1,479,794; Jan. 8.
Phonograph records of special types, Producing. E. A. Widmann. 1,479,847; Jan. 8.
Phonograph records, Press plate or die for manufacturing. T. J. Glover. 1,480,258; Jan. 8.
Photograph and the like. J. Denkhoff. 1,480,198; Jan. 8.
Photographic-printing machine. H. B. Evans. 1,479,959; Jan. 8.
Piano bench. G. J. Raupp and D. Cornfoot. 1,479,927; Jan. 8.
Picker: *See*—
Cotton picker.
Picture screen and producing same, Motion-. L. W. Hill. 1,480,205; Jan. 8.
Pie-making machines, Crust trimming mechanism for. D. W. Smith. 1,479,935; Jan. 8.
Pie marker. W. Ehrlich. 1,480,250; Jan. 8.
Pigeon-flying competitions, Checking apparatus for. G. Jacquet. 1,480,076; Jan. 8.
Pin: *See*—
Clothes pin.
Pin tongue. L. E. Sadler. 1,479,932; Jan. 8.
Pipe-casting machine, Centrifugal. J. R. McWane. 1,480,000; Jan. 8.
Piston. O. E. Jorgensen. 1,479,816; Jan. 8.
Piston. M. L. Munday. 1,479,867; Jan. 8.
Piston. R. W. Wakefield. 1,480,481; Jan. 8.
Planter, Corn. H. N. Naugle. 1,480,459; Jan. 8.
Plate or analogous article. H. E. Nock. Des. 63,728–9; Jan. 8.
Plate-registering device. W. H. Bansett. 1,480,489; Jan. 8.
Platform and wharf arrangement, Loading. B. C. Allin. 1,480,137; Jan. 8.
Plow and cultivator, Rotary. R. J. O'Neill. 1,480,411; Jan. 8.
Plow, Motor. O. Gál. 1,480,386; Jan. 8.
Plow, Power-lift. A. S. Krotz. 1,480,273; Jan. 8.
Plow, Tractor. A. S. Krotz. 1,479,904; Jan. 8.
Plows, Lifting mechanism for power-lift. D. A. Biebinger. 1,480,341; Jan. 8.
Plug, Connecting. L. G. Pacent. 1,480,007; Jan. 8.
Plug, Separable-attachment. H. Hubbell. 1,480,072; Jan. 8.
Poison distributor. P. E. Crutchfield. 1,480,154; Jan. 8.

Polishing machine, Shoe-. W. H. Nutter. 1,480,461; Jan. 8.
Portable table. C. W. Epley. 1,480,052; Jan. 8.
Postal and advertising pillar, Combined. G. Robertson. 1,480,469; Jan. 8.
Press: *See*—
Drill press. Hydraulic press.
Presses, Automatic stop for job. I. V. Orange. 1,479,869; Jan. 8.
Pressure alarm, Construction of automatic. F. M. Eveleigh. 1,479,797; Jan. 8.
Printing appliance. J. P. Quiggan. 1,480,300; Jan. 8.
Printing machine, Autographic sales-check-. C. L. Johnston. 1,480,395; Jan. 8.
Printing machine, Fabric. E. Cadgene and G. Dupont. 1,480,348; Jan. 8.
Printing press and operating the same. J. White and W. Eckhard. 1,480,132; Jan. 8.
Printing presses, Sheet adjuster for. H. S. Hornbeck. 1,479,914; Jan. 8.
Pulley, Anchor-rope. J. A. Holzapfel. 1,479,813; Jan. 8.
Pump. E. W. Barton. 1,479,782; Jan. 8.
Pump. J. A. Griffin. 1,480,436; Jan. 8.
Pump, Centrifugal. F. P. Harmon. 1,480,441; Jan. 8.
Pump, High-pressure circulating. E. H. Arnold and W. T. Wakeford. 1,480,040; Jan. 8.
Pump piston, Oil-well. B. D. Thompson. 1,480,127; Jan. 8.
Pump, Sirup. W. Morlok. 1,480,097; Jan. 8.
Pumps, Antifreeze vent for. C. C. Herrell. 1,480,068; Jan. 8.
Pumps, Well-packer attachment for. G. A. Humason. 1,479,964; Jan. 8.
Pumping apparatus. H. J. Wheeler. 1,480,482; Jan. 8.
Pyrites, Mechanically-operated furnace for roasting. L. J. Geschwind. 1,480,525; Jan. 8.
Radiator bracket. E. J. Mallen. 1,480,456; Jan. 8.
Radiator-draining attachment. A. Hop. 1,479,963; Jan. 8.
Radiator shutter. E. A. Mollet. 1,480,095; Jan. 8.
Radio tuning coil. J. L. McLaughlin. 1,480,454; Jan. 8.
Rail joints, Lightened construction for. V. C. Armstrong and E. L. Groff. 1,480,487; Jan. 8.
Rail joints, Splice bar for. E. L. Groff. 1,480,437; Jan. 8.
Railway-crossing gate. J. Mortka. 1,480,180; Jan. 8.
Railway lines, Apparatus for automatically placing brake blocks on. L. Chassy. 1,480,503; Jan. 8.
Railway-track structure. C. Burton. 1,480,370; Jan. 8.
Railways, Sod-line cutter for. A. J. Brancheau and P. Bodrie. 1,480,237; Jan. 8.
Rammer. A. Saliger. 1,480,304; Jan. 8.
Range, Hotel. H. C. Maul. 1,480,407; Jan. 8.
Rating device. E. S. Boughton. 1,479,979; Jan. 8.
Razor and stropping device. N. Statham. 1,480,030; Jan. 8.
Razor-blade holder. E. W. Ericsson. 1,480,053; Jan. 8.
Razor, Pocket safety. N. Statham. 1,480,031; Jan. 8.
Razor, Safety. N. Statham. 1,480,028–9; Jan. 8.
Reed articles, Method of and means for producing. M. B. Lloyd. 1,479,823; Jan. 8.
Reed musical instrument. H. Alpers. 1,480,039; Jan. 8.
Reflector. L. A. Bean. 1,480,364; Jan. 8.
Reflector box. M. M. Huston. 1,480,447; Jan. 8.
Refrigerator. W. M. Clemans. 1,479,787; Jan. 8.
Regulator: *See*—
Water-heater gas regulator.
Rein holder. P. Truskowski. 1,480,479; Jan. 8.
Relay. R. C. Leake. 1,480,276; Jan. 8.
Retort furnace. C. V. McIntire. 1,479,827; Jan. 8.
Ribbon or similar article. O. Bushnell. Des. 63,707; Jan. 8.
Ribbon or similar article. A. Petruccelli. Des. 63,733; Jan. 8.
Rim contractor. H. Scholl. 1,480,120; Jan. 8.
Ring construction. J. A. Sweitzer. 1,479,842; Jan. 8.
Riveting machines, Holder on for. W. A. Pungs. 1,480,464; Jan. 8.
Road wheel, Sheet-metal. H. B. Sankey. 1,479,933; Jan. 8.
Roller drill, Self-cleaning. F. L. Scott. 1,480,014; Jan. 8.
Roof coverings, Edging for. C. E. Douglas. 1,480,246; Jan. 8.
Roof gutter and holder. F. J. Hacker. 1,480,261; Jan. 8.
Roofing and making the same, Composition. A. S. Speer. 1,480,024; Jan. 8.
Roofing, Branding. A. S. Speer. 1,480,025; Jan. 8.
Roofing, Composition. A. S. Speer. 1,480,023; Jan. 8.
Roofing structure. A. Meyer. 1,480,283; Jan. 8.
Rope structure. H. G. Metcalf. 1,479,856; Jan. 8.
Rotisserie. M. Schey. 1,480,119; Jan. 8.
Rubber articles, Forming hollow inflated. R. C. Dabney. 1,480,376; Jan. 8.
Rubber sole. G. Ferguson. 1,479,798; Jan. 8.
Saddle stirrup. B. Szymanski. 1,480,314; Jan. 8.
Safe and vending device, Match. R. Butler. 1,480,502; Jan. 8.
Safety brake. E. M. Ivie. 1,480,540; Jan. 8.
Sample case. A. O. Nuttall. 1,480,460; Jan. 8.
Sand-boring implement. R. F. Carey. 1,479,894; Jan. 8.
Sand or outing rest or the like. A. Morganstern. 1,480,286; Jan. 8.
Sand-pipe heater. C. B. Johns. 1,480,393; Jan. 8.
Sanding machine, Portable. R. A. Moore. 1,480,285; Jan. 8.
Sash-cord fastener. A. J. Wahlquist. 1,480,190; Jan. 8.
Sash-gear balance. L. Lane. 1,480,453; Jan. 8.
Sash lock. A. H. Bacon. 1,480,338; Jan. 8.
Sash weight, Sectional. J. A. Murphy. 1,480,099; Jan. 8.
Sash, Window. G. H. Forsyth. 1,479,799; Jan. 8.
Save-all. G. W. Brown. 1,480,500; Jan. 8.
Saw gauge. J. Ricker. 1,479,928; Jan. 8.
Scissors. A. H. Goshia. 1,479,908; Jan. 8.
Scraper. L. P. Green. 1,480,389; Jan. 8.
Screen: *See*—
Window screen.
Screening apparatus. M. P. Reynolds. 1,479,834; Jan. 8.
Screening device, Compound gyratory. H. W. Falker. 1,479,904; Jan. 8.
Screw threads, Apparatus for inspecting and gauging. J. Hartness. 1,480,390; Jan. 8.
Seat: *See*—
Spring seat. Toilet seat.
Self and ever set trap. G. W. Steele. 1,480,476; Jan. 8.
Semitrailer. J. Morrison. 1,479,828; Jan. 8.
Sensitive-material unit. E. P. Flynn. 1,479,960; Jan. 8.
Separator: *See*—
Magnetic separator.
Serving device, Self-. F. B. Spross. 1,479,878; Jan. 8.
Settling tank. R. D. Elliott and O. J. Jacobsen. 1,480,379; Jan. 8.
Sewing machine. W. N. Parkes. 1,480,106; Jan. 8.
Sewing-machine heads, Mounting for. J. F. Martin. 1,480,457; Jan. 8.
Sewing-machine shuttle. E. D. Collins. 1,479,897; Jan. 8.
Sewing machines, Picot-edging attachment for. F. M. Card. 1,479,893; Jan. 8.
Sewing machines, Thread-controlling mechanism for. G. S. Gatchell. 1,479,907; Jan. 8.
Shackle bolt. L. Blackmore. 1,480,342; Jan. 8.
Shade protector, Adjustable. H. Y. Garrett. 1,480,387; Jan. 8.
Shaft coupling, Adjustable flexible. E. Moore. 1,480,096; Jan. 8.
Shaft-coupling member and manufacturing the same. L. H. Mattingly. 1,480,002; Jan. 8.
Shaft, Wooden. D. W. Flint. 1,480,056; Jan. 8.
Shank stiffener. F. P. Marx. 1,480,090; Jan. 8.
Shaper, sealer, and cutter, Cylindrical Ravioli. R. Oleri. 1,479,925; Jan. 8.
Shaping-machine attachment. W. Tate. 1,480,423; Jan. 8.
Sharpening machine, Saw-. C. Majewicz. 1,480,172; Jan. 8.
Sheet-feeding machine. L. A. Roden. 1,480,012; Jan. 8.
Sheet stacker. S. M. Langston. 1,479,821; Jan. 8.
Shelf structure. H. L. Bradley. 1,480,345; Jan. 8.
Shingle machines, Hand guard for. P. F. Lueth. 1,479,995; Jan. 8.
Shipping case, Fiber. J. J. Daly. 1,480,377; Jan. 8.
Shipping case, Collapsible. G. W. Stitzer. 1,479,880; Jan. 8.
Shock gatherer. C. Pearson. 1,480,106; Jan. 8.
Shoe. E. Kexy. Des. 63,718–21; Jan. 8.
Shoe. B. G. Wedd. 1,480,234; Jan. 8.
Shoe. A. L. Zern. 1,479,884; Jan. 8.
Shoe machinery. J. P. Tierney. 1,480,316; Jan. 8.
Shoes, Display rest for. H. J. Nutrizio. Des. 63,730; Jan. 8.
Shoes, Making. O. E. De Ridder. 1,479,899; Jan. 8.
Short-circuiting mechanism. C. H. Wolff. 1,480,328; Jan. 8.
Shovel, Steam. W. D. Williams. 1,479,849; Jan. 8.
Shuttle. W. J. Gladue. 1,480,535; Jan. 8.
Sifter, Gyratory flour. J. E. Ramsey. 1,480,465; Jan. 8.
Sighting means and projectile firing. A. J. Stone. 1,479,840; Jan. 8.
Sign, Illuminated. T. W. Simpson. 1,480,019; Jan. 8.
Sign or similar article. P. B. Lum. Des. 63,723; Jan. 8.
Signboard. W. J. Fraser. 1,479,987; Jan. 8.
Signal. J. A. Werts. 1,480,484; Jan. 8.
Signaling, Method and means for. J. Mills. 1,480,217; Jan. 8.
Signaling system. A. A. Clokey. 1,480,243; Jan. 8.
Signaling system, Carrier-wave. C. White. 1,480,235; Jan. 8.
Signaling system, Carrier-wave call-. J. S. Jammer. 1,480,209; Jan. 8.
Silage feeder, Automatic. A. Keys. 1,479,990; Jan. 8.
Skate-grinding clamp. S. E. Strom. 1,480,422; Jan. 8.
Skiving machine. D. G. Jackson. 1,479,814; Jan. 8.
Skiving machine. E. J. Ray. 1,479,832; Jan. 8.
Slaughtering device. R. W. Cudworth. 1,480,197; Jan. 8.
Sled, Sport. V. E. Pearson. 1,479,871; Jan. 8.
Sleeves, Bracing member for liningless coat. R. Tristano. 1,480,426; Jan. 8.
Slicing machine. C. D. Dye. 1,480,051; Jan. 8.
Slicing machines, Article holder for. E. A. Hand and F. A. Wygant. 1,479,962; Jan. 8.
Smokeless combustion, Apparatus for. N. B. Wales. 1,480,130; Jan. 8.
Smoker's appliance. J. W. Kidwell. 1,480,268; Jan. 8.
Snap fasteners, Machine for sewing. A. E. Lindner. 1,480,404; Jan. 8.
Snap switch. E. M. Johnson. 1,480,394; Jan. 8.

Snap switch. H. E. Leppert. 1,479,970; Jan. 8.
Solar furnace. M. E. Moreau. 1,479,923; Jan. 8.
Soldering apparatus. F. F. Bentley. 1,479,283; Jan. 8.
Spacing device. F. C. Stiening. 1,479,938; Jan. 8.
Spark plug. H. Mackey. 1,479,863; Jan. 8.
Spark plug. R. E. Meyer. 1,480,092; Jan. 8.
Spark plug. J. C. Sule and W. Wyatt. 1,480,477; Jan. 8.
Sparrow trap. J. B. Brown. 1,479,880; Jan. 8.
Spectacle temple. F. A. Stevens. 1,479,937; Jan. 8.
Spectacle temples, Making. F. A. Stevens. 1,479,936; Jan. 8.
Speed regulator for high-frequency machines. Graf G. von Arco. 1,480,220; Jan. 8.
Speedometer. E. R. Huntley. 1,480,073; Jan. 8.
Spinning machines and the like, Weighting device for. I. C. Noble. 1,480,182; Jan. 8.
Spoon or similar article. A. G. Kintz. Des. 63,722; Jan. 8.
Spotlight, Adjustable. M. A. Walsh. 1,480,321; Jan. 8.
Squeeze machine. T. K. Webster, jr. 1,480,131; Jan. 8.
Spring seat. E. R. Huntley. 1,480,074; Jan. 8.
Stand: *See*—
Tree stand.
Vehicle stand.
Stapling machine. S. H. Hart. 1,480,163; Jan. 8.
Starting mechanism. A. H. King and H. H. Young. 1,480,397; Jan. 8.
Stators, Making. H. F. Stratton. 1,480,312; Jan. 8.
Statue. L. W. Zeigler. Des. 63,764; Jan. 8.
Steamer. L. S. Worsley. 1,480,330; Jan. 8.
Steam engine. M. Brunet. 1,479,891; Jan. 8.
Steam-expanding device. L. Arnold. 1,479,886; Jan. 8.
Steam-generating apparatus. L. L. Scott. 1,480,015; Jan. 8.
Steam generators, Apparatus for regulating the supply of water to instantaneous. M. Brunet. 1,479,890; Jan. 8.
Steel and iron, Carburizing. T. Tashiro. 1,480,230; Jan. 8.
Stencil. S. Elliott. 1,480,200; Jan. 8.
Stock-watering apparatus. J. M. Jacobs. 1,479,916; Jan. 8.
Stocking and like garment and to attachments therefor. H. C. Fraser. 1,480,385; Jan. 8.
Stocking or sock top. C. Feig. 1,480,381; Jan. 8.
Stool. C. Pohl. 1,480,416; Jan. 8.
Storage battery. H. M. Williams. 1,479,848; Jan. 8.
Stove. W. C. Coleman. 1,480,373; Jan. 8.
Strainer. A. C. Rowley. 1,480,420; Jan. 8.
Strand-twisting machine. C. G. Holmberg, jr. 1,480,207; Jan. 8.
Strap wrench. W. A. Ellison. 1,479,902; Jan. 8.
Street marker. N. G. Ashley. 1,480,363; Jan. 8.
Stringer clamp. F. Brandt. 1,480,147; Jan. 8.
Structures, Method and machine for making cabled. J. A. Dorner and F. C. Francisco. 1,479,900; Jan. 8.
Submarine signaling. C. R. Moore. 1,480,218; Jan. 8.
Suction cleaners, Vacuum-producing device for. H. Hinerman, C. Meyers, and I. E. Ewing. 1,479,811; Jan. 8.
Suit, Union. D. Atwater. 1,480,333; Jan. 8.
Surface construction, Air-pressure. P. K. Miller. 1,480,408; Jan. 8.
Swimming and bathing appliance. W. Bergerson. 1,480,366; Jan. 8.
Switch: *See*—
Electric switch.
Snap switch.
Swivel connection. J. S. Walton. 1,479,882; Jan. 8.
Table: *See*—
Extension table.
Portable table.
Table. W. S. Lambert. 1,480,168; Jan. 8.
Tag, Stock. C. E. Salsbery. 1,480,013; Jan. 8.
Tank: *See*—
Settling tank.
Telegraph system, Printing-. G. S. Vernam. 1,479,845; Jan. 8.
Telephone circuits and operating the same. K. S. Johnson. 1,480,210; Jan. 8.
Telephone-exchange system. E. H. Clark. 1,480,240; Jan. 8.
Telephone-exchange system. H. P. Clausen and C. L. Goodrum. 1,480,242; Jan. 8.
Telephone-exchange system, Machine-switching. H. P. Clausen and C. L. Goodrum. 1,480,241; Jan. 8.
Telephone-exchange system. G. Deakin. 1,479,984; Jan. 8.
Telephone-exchange system. J. W. Lattig and C. L. Goodrum. 1,480,403; Jan. 8.
Telephone-exchange system. A. E. Lundell. 1,480,214; Jan. 8.
Telephone-exchange system, Machine-switching. H. L. Hoffmann. 1,480,106; Jan. 8.
Telephone-exchange system, Machine-switching. W. H. Matthies. 1,480,215; Jan. 8.
Telephone-exchange system. W. B. Strickler. 1,480,229; Jan. 8.
Telephone system. C. L. Goodrum. 1,480,202; Jan. 8.
Tent. R. B. Elrod. 1,480,380; Jan. 8.
Thread cutter, Adjustable. R. H. Harper. 1,479,911; Jan. 8.
Thread-cutting die. F. O. Wells and D. B. Miller. 1,480,036; Jan. 8.
Threading machine. H. Lundquist. 1,479,824–5; Jan. 8.
Threading machine, Lace-. H. Lundquist. 1,479,826; Jan. 8.
Thermostatic control device. C. M. Bosworth and A. G. Boesel. 1,479,784; Jan. 8.
Time calculator. J. T. Dennis, jr. 1,480,156; Jan. 8.
Timer housing. J. C. Osborn. 1,479,926; Jan. 8.
Timer-lubricating device. L. F. Jackson. 1,479,857; Jan. 8.
Timepiece. H. Colomb. 1,480,511; Jan. 8.
Tire. J. A. Scheid. Des. 63,738; Jan. 8.
Tire chain. G. Anderson. 1,480,139; Jan. 8.
Tire chain. O. D. Fosburgh. 1,480,384; Jan. 8.
Tire, Cushion. S. L. Everhart. 1,480,201; Jan. 8.
Tire, Solid. F. D. Fowler. Des. 63,712; Jan. 8.
Tire tread. T. G. Richards. Des. 63,737; Jan. 8.
Tires, Appliance for setting and removing. A. Cattoni. 1,480,371; Jan. 8.
Tires, Collapsible rim for automobile. H. Swerdlow. 1,479,940; Jan. 8.
Toilet-article holder. H. L. Schroeder. Des. 63,739; Jan. 8.
Toilet flush, Automatic. C. H. Way. 1,479,947; Jan 8.
Toilet seat. G. C. Dobson. 1,480,516; Jan. 8.
Tool, Compound. J. J. Miller. 1,479,921; Jan. 8.
Tool holder. O. A. Webster. 1,480,355; Jan. 8.
Toothbrush case. M. Feldstein. 1,479,800; Jan. 8.
Torch injector, Acetylene-. J. W. Johnson and R. Mieritz. 1,479,815; Jan. 8.
Torch tip, Cutting. E. H. Smith. 1,480,310; Jan. 8.
Tower, Transferring and weighting. C. C. Reasoner. 1,480,116; Jan. 8.
Toy. G. F. Spangler. 1,480,226; Jan. 8.
Toy electrosteam engine. S. D. and W. E. Horlacher. 1,480,445; Jan. 8.
Toy machine gun. A. R. Brown. 1,480,499; Jan. 8.
Toy rabbit. L. L. Pribble. Des. 63,735; Jan. 8.
Toy pistol. L. M. Bowman. 1,480,344; Jan. 8.
Traction grading machine. E. H. Lichtenberg. 1,480,277; Jan. 8.
Tractor and truck attachments, One-man control for. M. A. Harrison. 1,479,912; Jan. 8.
Tractor-drawn implement. A. S. Krotz. 1,480,272; Jan. 8.
Tractor, Turntable. R. W. Young. 1,480,038; Jan. 8.
Tractors, Belt-pulley clutch control for. C. C. Smith. 1,480,021; Jan. 8.
Traffic indicator. D. H. Wyatt. 1,480,037; Jan. 8.
Trailer coupling device. J. C. Endebrock. 1,479,796; Jan. 8.
Train-stop system, Electric automatic. F. E. and R. B. Delvin. 1,479,792; Jan. 8.
Transfer device, Article-. J. Moores. 1,479,866; Jan. 8.
Transitional coupling mechanism. H. L. Spence and J. Willison. 1,480,026; Jan. 8.
Transmission system. J. Mills. 1,480,216; Jan. 8.
Trap: *See*—
Animal trap.
Sparrow trap.
Self and ever set trap.
Trap. F. Colman. 1,480,510; Jan. 8.
Traveling bag. E. G. Merwin. 1,480,175; Jan. 8.
Tray, Collar-button display. E. Underwood. 1,480,427; Jan. 8.
Tree stand. A. G. Siebenlist. 1,480,018; Jan. 8.
Truck. E. H. Oversmith. 1,480,296; Jan. 8.
Truck body. W. T. Dove. 1,480,247; Jan. 8.
Truck, Hydraulic lifting. L. A. Collis. 1,480,509; Jan. 8.
Truck, Industrial. C. E. Cochran. 1,479,981; Jan. 8.
Truck, Tongue. C. Pearson. 1,480,109; Jan. 8.
Tube: *See*—
Inner tube.
Vacuum tube.
Tube-making machine, Paper-. J. W. Holt. 1,479,812; Jan. 8.
Turnbuckle. D. C. Fisher. 1,480,253; Jan. 8.
Turret, Universal tool. J. L. Jenkins. 1,480,165; Jan. 8.
Typewriters, Card holder for. W. A. Hardman. 1,480,440; Jan. 8.
Typewriting machine. J. B. Holden. 1,480,264; Jan. 8.
Typewriting machine. L. C. Myers. 1,479,924; Jan. 8.
Underreamer blade, Check. R. A. Wilson. 1,480,357; Jan. 8.
Universal joint. E. Noel. 1,480,004; Jan. 8.
Unwinder. C. A. Sentou and E. Jacquet. 1,480,224; Jan. 8.
Vacuum-control apparatus. J. J. Graffin. 1,479,909; Jan. 8.
Vacuum tube. W. G. Housekeeper. 1,480,208; Jan. 8.
Vacuum tube. A. M. Nicolson. 1,480,219; Jan. 8.
Valve. E. B. Glendenning. 1,479,802; Jan. 8.
Valve. C. E. Miller. 1,479,920; Jan. 8.
Valve cut-off, Automatic. G. W. Collin. 1,479,789; Jan. 8.
Valve-lifting device. P. G. Darling. 1,480,155; Jan. 8.
Valve, Master. J. M. Sullivan. 1,480,126; Jan. 8.
Valve mechanism, Waste-. O. W. Vallier. 1,479,944; Jan. 8.
Valve, Removable check. F. M. Morton. 1,480,287; Jan. 8.
Valve, Rotary measuring. C. H. Ayars. 1,480,336; Jan. 8.
Valve-spring lifter. L. M. Wood. 1,480,329; Jan. 8.
Valve-spring tool. J. F. Daniken. 1,480,513; Jan. 8.
Valve, Switching. F. Hoving. 1,480,070; Jan. 8.
Variocoupler. A. Crossley. 1,480,534; Jan. 8.
Vault or safe doors or the like, Locking means for the bolt system of. E. S. Palmer. 1,480,104; Jan. 8.

Vehicle. W. B. MacLachlan. 1,480,279; Jan. 8.
Vehicle. J. S. Bitner. 1,479,887; Jan. 8.
Vehicles, Bumper for motor. C. J. Iven. 1,480,266; Jan. 8.
Vehicle direction indicator. O. J. Bettez. 1,480,042; Jan. 8.
Vehicle, Dumping. A. B. Cadman and E. H. Allen. 1,479,980; Jan. 8.
Vehicles, Emergency axle for motor. G. S. Owen. 1,480,462; Jan. 8.
Vehicle extricating device. O. S. Warrick and S. H. Houghton. 1,480,035; Jan. 8.
Vehicle, Military. I. Roy. 1,480,303; Jan. 8.
Vehicle stand, Tiltable. M. Baker. 1,480,529; Jan. 8.
Vehicles, Signal for. A. B. Ellis. 1,480,158; Jan. 8.
Ventilator or air ejector. K. M. de Vos and E. W. Bagg. 1,480,488; Jan. 8.
Vial-working machines, Transfer mechanism for. B. T. Headley, P. H. Thompson, and D. I. Du Bois. 1,479,809; Jan. 8.
View finder, Single-aperture, single-mirror. W. R. Anderson. 1,480,140; Jan. 8.
Vise, Portable. W. A. Collins and W. E. Tait. 1,480,150; Jan. 8.
Vitamin compound. J. R. Eoff, jr. 1,480,520; Jan. 8.
Voile fabric, Flocked. E. B. Vandergaw and J. Heinrich. Des. 63,750–60; Jan. 8.
Walls, Metal trim for plastered. G. A. Knapp. 1,480,400; Jan. 8.
Warp-drawing machine. E. F. Hathaway. 1,479,807; Jan. 8.
Washbasin, Mirror. F. A. Kratochvil. 1,480,082; Jan. 8.
Washboard. A. Shimkus. 1,480,474; Jan. 8.
Washbowl, Portable. S. O. Berven. 1,480,145; Jan. 8.
Washing machine, Clothes-. J. N. Derschug. 1,480,157; Jan. 8.
Washing-machine device. N. Petti. 1,480,414; Jan. 8.
Water heater, Electric. F. E. Matthews. 1,480,174; Jan. 8.
Water distributing and regulating device. J. Artese. 1,480,141; Jan. 8.
Water-heater gas regulator, Hot-. B. A. Hawkins. 1,480,262; Jan. 8.
Water heater with continuous circulation working at different voltages, Electrical instantaneous. A. De Marchis. 1,480,515; Jan. 8.
Water-power plant. G. W. Prisbrey. 1,480,299; Jan. 8.
Watering device. C. P. Bettenga. 1,480,367; Jan. 8.
Weather strip. C. M. Wolf. 1,479,948; Jan. 8.
Weight, Sectional sash. J. A. Murphy. 1,480,099; Jan. 8.
Wheel: *See*—
Driving wheel.
Road wheel.
Wheel. T. W. Wood. 1,480,359; Jan. 8.
Wheel construction. A. O. Vestine. 1,479,945; Jan. 8.
Wheel and making the same. J. H. Wagenhorst. 1,480,034; Jan. 8.
Window-operating device. W. N. Russell. 1,480,118; Jan. 8.
Window screen. J. M. Cramer. 1,480,153; Jan. 8.
Windshield attachment. G. Glaudel. 1,480,432; Jan. 8.
Windshield tubing. H. Neuman. 1,480,292; Jan. 8.
Windshield wipers. C. M. Bolich. 1,480,343; Jan. 8.
Working machines, Stop for carriages of metal-. C. A. Ferguson. 1,480,522; Jan. 8.
Wrench: *See*—
Strap wrench.
Wrench. J. A. Thompson. 1,480,231; Jan. 8.
X-Ray work, Photographic film for. A. F. Sulzer. 1,479,939; Jan. 8.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 8, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 1: 1,480,444
2.3: 1,480,163
4: 1,480,167
5: 1,479,793
6: 1,479,804
2— 23: 1,480,381
38: 1,480,385
74: 1,479,780
88: 1,480,426
130: 1,480,374
144: 1,479,854
1,480,333
4— 166: 1,480,082
200: 1,479,944
237: 1,480,516
5— 93: 1,479,967
119: 1,480,071
320: 1,479,818
8— 8: 1,480,352
9— 17: 1,480,417
21: 1,480,366
10— 20: 1,479,835
51: 1,479,877
118: 1,480,036
125: 1,479,911
136: 1,480,494
12— 48: 1,479,795
1,479,938
96: 1,480,316
128.5: 1,480,349
142: 1,479,899
15— 21: 1,479,841
23: 1,480,461
104.01: 1,479,529
153: 1,479,906
16— 151: 1,480,475
207: 1,480,190
218: 1,480,099
17— 1: 1,480,197
18— 1: 1,480,094
5.3: 1,480,258
48.3: 1,479,847
53: 1,480,376
59: 1,479,936
19— 59: 1,480,054
65: 1,480,471
135: 1,480,182
20— 31: 1,480,006
52: 1,480,453
56: 1,479,799
69: 1,479,948
75: 1,480,519
22— 30: 1,480,131
32: 1,479,958
65: 1,480,000
1,480,107
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156: 1,480,191
187: 1,480,304
23— 3: 1,480,317
10: 1,479,852
11: 1,479,700
13: 1,479,982
21: 1,480,156
1,480,291
24— 11: 1,479,957
19: 1,479,988
33: 1,479,850
1,479,915
66: 1,480,196
74: 1,480,305
129: 1,480,006
137: 1,480,249
138: 1,480,001
139: 1,480,187
160: 1,479,932
176: 1,480,128
184: 1,479,913
191: 1,480,347
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211: 1,480,520
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218: 1,480,531
220: 1,480,491
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121: 1,480,058
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131.5: 1,480,129
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148: 1,480,002
160.6: 1,479,842
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12: 1,480,028
1,480,029
1,480,030
1,480,031
13: 1,479,908
25: 1,480,053
31— 99: 1,480,492
32— 6: 1,479,946
33— 53: 1,480,048
61: 1,480,055
121: R. 15,744
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34— 18: 1,479,819
35— 2: 1,479,992
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36— 2: 1,479,883
18: 1,479,798
19: 1,480,278
50: 1,479,894
55: 1,479,839
59: 1,480,234
71: 1,480,079
74: 1,479,950
76: 1,480,090
37— 54: 1,480,192
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122: 1,480,389
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39— 74: 1,480,501
40— 2: 1,480,307
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33: 1,480,469
130: 1,480,375
132: 1,480,447
133: 1,480,019
142: 1,479,987
41— 24: 1,480,198
42— 1: 1,480,521
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43— 61: 1,480,075
65: 1,479,889
69: 1,480,476
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11: 1,479,922
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32: 1,480,294
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64: 1,479,927
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46— 22: 1,479,930
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70: 1,479,930
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53— 3: 1,480,356
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63: 1,480,511
123: 1,480,346
59— 16: 1,479,870
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62— 96: 1,479,787
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62: 1,480,293
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96: 1,480,006
65— 47: 1,479,956
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29: 1,480,474
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27: 1,479,997
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60: 1,480,142
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64: 1,479,902
82— 4: 1,480,401
23: 1,479,952
34: 1,480,522
83— 38: 1,479,904
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54: 1,480,354
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56: 1,479,834
71: 1,480,315
84— 385: 1,480,039
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85— 5: 1,480,485
87— 12: 1,480,251
88— 1: 1,480,112
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18: 1,479,888
24: 1,480,205
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40: 1,480,391
52: 1,479,937
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92— 30: 1,480,500
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257— 25: 1,480,281
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148: 1,479,968
259— 144: 1,479,785
260— 112: 1,479,574
261— 12: 1,480,308
95: 1,480,463
262— 20: 1,480,450
28: 1,480,003
263— 26: 1,480,525
32: 1,480,361
264— 3: 1,480,073
1,480,309
266— 12: 1,480,060
23: 1,479,989
28: 1,480,434
268— 4: 1,480,118
270— 41: 1,480,017
65: 1,480,236
79: 1,480,517
271— 27: 1,480,012
47: 1,480,132
86: 1,479,821
274— 35: 1,480,203
37: 1,480,100
277— 32: 1,479,802
278— 1: 1,480,204
279— 91: 1,480,355

280— 23: 1,479,871
33.1: 1,479,796
1,479,828
82: 1,480,109
106.5: 1,480,279
183: 1,480,479
281— 34: 1,479,791
283— 1: 1,479,979
285— 79: 1,479,917
287— 53: 1,479,922
60: 1,480,253
125: 1,480,365
290— 35: 1,479,908
291— 20: 1,480,393
292— 77: 1,480,087
356: 1,480,062
293— 55: 1,480,086
1,480,266
294— 102: 1,480,378
296— 19: 1,480,247
52: 1,480,081
95: 1,480,432
138: 1,480,493
297— 16: 1,479,784
298— 13: 1,480,220
21: 1,479,980
299— 30: 1,480,154
67: 1,480,507
103: 1,480,065
107: 1,480,324
301— 6: 1,479,933
33: 1,479,940
41: 1,479,931
63: 1,480,325
1,480,350
70: 1,480,084
105: 1,479,945
130: 1,480,223
1,480,462
303— 50: 1,479,912
304— 40: 1,480,147

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Apparatus Company, Cambridge, Mass. Loud-speaking telephones and loud speakers. 178,707; Jan. 15.

Acme Wire Company, The, New Haven, Conn. Insulated electric wire. 178,483; Jan. 15; Serial No. 183,241; published Oct. 23, 1923.

Allen, Alma E., doing business as The Allen Company, Cleveland, Ohio. Salves for hair and scalp treatment. 178,622; Jan. 15; Serial No. 171,782; published Oct. 30, 1923.

American Dyewood Company, New York, N. Y. Fire-extinguishing compositions and ingredients thereof. 178,528; Jan. 15; Serial No. 182,897; published Oct. 30, 1923.

American La France Fire Engine Company, Inc., Elmira, N. Y. Motor-driven vehicles. 178,503; Jan. 15; Serial No. 184,052; published Oct. 30, 1923.

Anchor Company, The. (See Goldstein, Abraham S.)

Andrews, H. P., Paper Company, New York, N. Y. Ledger Paper. 178,730; Jan. 15.

Andrews, H. P., Paper Company, New York, N. Y. Thin paper. 178,741; Jan. 15.

Arkwright Finishing Company, Providence, R. I. Tracing cloth. 178,712; Jan. 15.

Atlas Knitting Mills, Inc., Union, N. J. Knitted bathing suits, sweaters, and slip-ons. 178,502; Jan. 15; Serial No. 184,060; published Oct. 30, 1923.

Athletic Garment & Mfg. Company, Chicago, Ill. Bathing suits. 178,735; Jan. 15.

Automatic Curtain Co. (See Warren, Clyde W.)

Automatic Electric Company, Chicago, Ill. Automatic telephone systems. 178,484; Jan. 15; Serial No. 183,133; published Oct. 30, 1923.

Auto Parts Company. (See Frank, H. G. John.)

Aywon Toy & Novelty Corporation, New York, N. Y. Games, dolls, etc. 178,732; Jan. 15.

Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Canned chile. 178,630; Jan. 15; Serial No. 179,348; published Oct. 30, 1923.

Bacon Banjo Co. Inc., The, Groton, Conn. Banjos. 178,496; Jan. 15; Serial No. 184,580; published Oct. 30, 1923.

Bair Wagon Company, The, Kenosha, Wis. Wagons. 178,481; Jan. 15; Serial No. 183,354; published Oct. 30, 1923.

Baldwin Radio Electrical Manufacturing Co., Inc., Brooklyn, N. Y. Radio receiving and transmitting sets and parts thereof. 178,507; Jan. 15; Serial No. 166,344; published Oct. 30, 1923.

Barbe-McKenzie Corporation, New York, N. Y. Drapery fabrics. 178,651; Jan. 15; Serial No. 185,197; published Oct. 30, 1923.

Barnett, Gertrude, San Francisco, Calif. Porcelain teapots. 178,674; Jan. 15; Serial No. 176,942; published Oct. 30, 1923.

Bascelli, C., & Bros., Philadelphia, Pa. Relief of carbuncles, tumors, enlarged glands, etc. 178,677; Jan. 15; Serial No. 173,462; published Nov. 6, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Nut cereal food. 178,609; Jan. 15; Serial No. 175,708; published Oct. 30, 1923.

Beatrice Creamery Company, Chicago, Ill. Ice cream. 178,664; Jan. 15; Serial No. 182,784; published Oct. 30, 1923.

Benedict, T. N., Mfg. Co., East Syracuse, N. Y. Silver-plated table and hollow ware, etc. 178,500; Jan. 15; Serial No. 167,670; published Oct. 23, 1923.

Benjamin & Weil, Inc., New York, N. Y. Ladies' undervests, corset covers, and brassières. 178,550; Jan. 15; Serial No. 182,289; published Oct. 30, 1923.

Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical-lighting-fixture units. 178,508; Jan. 15; Serial No. 166,277; published Oct. 23, 1923.

Bennington Wax Paper Company, Bennington, Vt. Wax paper, wax lunch rolls, dry and waxed shredded paper, etc. 178,636; Jan. 15; Serial No. 179,453; published Oct. 30, 1923.

Betterton-Rupert Coffee Co., Ashland, Ky. Coffee. 178,635; Jan. 15; Serial No. 179,771; published Oct. 23, 1923.

Biloxi Packing & Trading Co., Biloxi, Miss. Canned oysters and shrimp. 178,627; Jan. 15; Serial No. 170,364; published Oct. 30, 1923.

Blanchard, George E., doing business as Blanco Remedy Company, Mendota, Ill. Preparation for roup, cholera, and white diarrhea for poultry. 178,637; Jan. 15; Serial No. 179,353; published Nov. 6, 1923.

Blanco Remedy Company. (See Blanchard, George E.)

Blanke, C. F., Candy Company, branch of C. F. Blanke Tea & Coffee Company, St. Louis, Mo. Candy. 178,581-2; Jan. 15; Serial No. 181,107-8; published Oct. 30, 1923.

Blood, John, & Company, Inc., Philadelphia, Pa. Hosiery. 178,470; Jan. 15; Serial No. 183,817; published Oct. 30, 1923.

Blu-Blaze Corporation, Chicago, Ill. Denatured ethyl alcohol suitable for use in alcohol stoves. 178,546; Jan. 15; Serial No. 182,497; published Oct. 30, 1923.

Blu-Blaze Corporation, Chicago, Ill. Alcohol stoves. 178,547; Jan. 15; Serial No. 182,496; published Oct. 30, 1923.

Bob & Baskind, New York, N. Y. Men's and boys' work and dress shirts, boys' waists and blouses, etc. 178,480; Jan. 15; Serial No. 183,356; published Oct. 30, 1923.

Bonclila Laboratories, Incorporated. (See Crown Chemical Company.)

Borden's Farm Products Company, Inc., Wassaic and New York, N. Y. Butter, cheese, ice cream, and eggs. 178,519; Jan. 15; Serial No. 167,249; published Feb. 7, 1922.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Cotton or canvas gloves and mittens. 178,521; Jan. 15; Serial No. 141,451; published Dec. 6, 1921.

Brown, Lillie, Brooklyn, N. Y. Foot salve. 178,647; Jan. 15; Serial No. 178,548; published Nov. 6, 1923.

Buddy-Bouncer Company, Dallas, Tex. Seesaw toy. 178,638; Jan. 15; Serial No. 179,395; published June 19, 1923.

Burnham-Munger-Root Dry Goods Company, Kansas City, Mo. Cotton piece goods. 178,662; Jan. 15; Serial No. 183,858; published Oct. 23, 1923.

Butler Automotive Steel Co., Easton, Pa. Automobile shafts. 178,706; Jan. 15.

C. & A. Drug Co., Elmer, N. J. Medicine used for sprains, bruises, bites, etc. 178,684; Jan. 15; Serial No. 167,066; published Oct. 23, 1923.

Calhoun, Robbins & Co., New York, N. Y. Face cloths, dishcloths, floorcloths, washrags, scarfs, shams, etc. 178,678; Jan. 15; Serial No. 172,260; published Apr. 3, 1923.

Calumet Packing Co., Sheboygan, Wis. Canned peas. 178,682; Jan. 15; Serial No. 167,383; published Oct. 16, 1923.

Canuet Frères, Paris, France. Beads and metal spangles. 178,660; Jan. 15; Serial No. 184,016; published Oct. 9, 1923.

Capital Neckwear Company. (See Rosen, Isidore.)

Cardinet Candy Company, Oakland, Calif. Candy. 178,597; Jan. 15; Serial No. 179,584; published Oct. 30, 1923.

Cavanaugh, William D., doing business as Velvet Oil Co., Reno and Oil City, Pa. Medicinal oil. 178,668; Jan. 15; Serial No. 182,131; published Oct. 30, 1923.

Central Scientific Company, Chicago, Ill. Filter paper. 178,569; Jan. 15; Serial No. 185,446; published Oct. 30, 1923.

Chaney, Bailey E., Baton Rouge, La. Insecticide. 178,620; Jan. 15; Serial No. 181,586; published Nov. 6, 1923.

Chanfourarax Glass Company, St. Louis, Mo. Photographic-dry-plate glass and picture glass. 178,688; Jan. 15; Serial No. 181,728; published Oct. 23, 1923.

Chicago Automobile Trade Association, Chicago, Ill. Periodical publications. 178,583; Jan. 15; Serial No. 180,522; published Oct. 30, 1923.

Chicago Belting Company, Chicago, Ill. Dressing for leather or canvas belts. 178,564; Jan. 15; Serial No. 181,879; published Oct. 30, 1923.

Chiklax Chemical Products Co. (See Strulty, Jacques M.)

City Naval Equipment Co. (See Kassler, Max.)

Clapp-Eastham Company, Cambridge, Mass. Radio equipment. 178,509; Jan. 15; Serial No. 166,640; published Oct. 17, 1923.

Cohen, S., & Son, Philadelphia, Pa. Woven jute floor rugs. 178,653; Jan. 15; Serial No. 184,089; published Oct. 30, 1923.

Columbia Carbon Company, The, Dayton, Ohio. Inked ribbons. 178,490; Jan. 15; Serial No. 185,006; published Oct. 30, 1923.

Cook, A. J., & Co., Inc., Memphis, Tenn. Prepared Portland cement stucco finish. 178,474; Jan. 15; Serial No. 183,555; published Oct. 30, 1923.

Corticelli Silk Company, The, Florence, Northampton, Mass. Silk, artificial-silk, and silk and cotton piece goods. 178,679; Jan. 15; Serial No. 176,624; published Oct. 30, 1923.

Couturier, Fructus & Descher, Lyon, France. Fabrics of silk. 178,680; Jan. 15; Serial No. 151,613; published Oct. 30, 1923.

Cron and Dehn, Inc. (See Hodgson and Company Limited.)

Crown Chemical Company, The (now by change of name Bonclila Laboratories, Incorporated), Indianapolis, Ind. Facial pack. 178,607; Jan. 15; Serial No. 176,671; published Oct. 30, 1923.

Delphie Specialty Manufacturing Company, Detroit, Mich. Electric clothes washers. 178,584; Jan. 15; Serial No. 180,469; published Oct. 23, 1923.

Dependale Information Bureau, The. (See Zimmer, Ledo L.)
Donaldson, A. J., doing business as Great Western Tea Co., San Francisco, Calif. Tea, coffee, flavoring extracts for food, spices, etc. 178,522; Jan. 15; Serial No. 140,169; published Aug. 29, 1922.
Donnelly Machine Co. Inc., Brockton, Mass. Electric flatirons. 178,548; Jan. 15; Serial No. 182,573; published Oct. 23, 1923.
Dorrco Slate Company, New York, N. Y. Stone and flagging. 178,700; Jan. 15.
Douglis-Mack Co., Chas., Inc., New York, N. Y. Men's and young men's outer clothes. 178,504; Jan. 15; Serial No. 167,993; published Oct. 30, 1923.
Dubilier Condenser & Radio Corp., New York, N. Y. Connecting plugs for use with radio apparatus. 178,577; Jan. 15; Serial No. 181,254; published Oct. 30, 1923.
Du Charme Electrical Manufacturing Co., The, Cleveland, Ohio. Electrical cooking appliances. 178,716; Jan. 15.
Dunco Metal Products Co., Los Angeles, Calif. Sheet-metal products, corner irons, plaster bead, etc. 178,477; Jan. 15; Serial No. 183,471; published Oct. 30, 1923.
Dunhill, Alfred, of London, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 178,642; Jan. 15; Serial No. 179,265; published Oct. 23, 1923.
Dutton, James, Philadelphia, Pa. Preparation for treatment of the bowels. 178,589; Jan. 15; Serial No. 182,705; published Oct. 30, 1923.
DX Instrument Company. (See Hipple, Solomon R., assignor.)
Eastern Specialty Company, The, Philadelphia, Pa. Artificial load transformers, testing switches, etc. 178,604; Jan. 15; Serial No. 176,887; published Oct. 30, 1923.
Ehrlich, Isadore, doing business as Rockaway Pharmacal Co., New York, N. Y. Preparation to relieve indigestion, heartburn, and gases. 178,580; Jan. 15; Serial No. 181,113; published Oct. 30, 1923.
Eliason, Frances A. Muscatine County, Iowa. Vaginal suppositories. 178,646; Jan. 15; Serial No. 178,660; published Nov. 6, 1923.
Electric Regulator Mfg. Corp., New York, N. Y. Compression rheostats, lamp sockets, electric flatirons, etc. 178,570; Jan. 15; Serial No. 181,439; published Oct. 23, 1923.
Electrical Specialty Company, Columbus, Ohio. Electrical apparatus. 178,520; Jan. 15; Serial No. 151,150; published Oct. 23, 1923.
El Rey Club Tamale & Enchilada Corporation. (See Griebnow, Frederick W.)
Emperium, The, San Francisco, Calif. Hair nets. 178,658; Jan. 15; Serial No. 184,441; published Oct. 23, 1923.
Erwin Cotton Mills Co., The, West Durham, N. C. Denims in the piece. 178,746; Jan. 15.
Esleeck Manufacturing Co., Turners Falls, Mass. Manifold paper. 178,582; Jan. 15; Serial No. 185,332; published Oct. 30, 1923.
Etablissements Poulenc Frères (Société Anonyme), Paris, France. Chemical compound for the treatment of syphilis. 178,614; Jan. 15; Serial No. 173,756; published Oct. 30.
Etablissements Poulenc Frères, Paris, France. Chemical preparation used as a hypnotic, sedative, or antiepileptic. 178,615; Jan. 15; Serial No. 173,755; published Oct. 30, 1923.
Etablissements Poulenc Frères, Paris, France. Sodium potassium-bismuthyl tartrate in glucose-aqueous solution. 178,616; Jan. 15; Serial No. 173,753; published Oct. 30, 1923.
Etablissements Poulenc Frères, Paris, France. Specific vaccine. 178,617; Jan. 15; Serial No. 173,743; published Oct. 30, 1923.
Ever-Ready Company, The. (See Plough Chemical Company.)
Falitza Laboratory, Bridgeport, Conn. Preparation for invigorating and cleaning the scalp. 178,486; Jan. 15; Serial No. 183,024; published Oct. 30, 1923.
Fjelstad, Carl A., Minneapolis, Minn. Skin preparation. 178,727; Jan. 15.
Flash Chemical Company, Cambridge, Mass. Insecticides and cleaning liquids. 178,485; Jan. 15; Serial No. 183,027; published Oct. 30, 1923.
Foley & Company, Chicago, Ill. Cold cream. 178,535; Jan. 15; Serial No. 182,745; published Oct. 30, 1923.
Frank, H. G. John, doing business as Anto Parts Company, Houston, Tex. Dismembered parts of motor vehicles. 178,691; Jan. 15; Serial No. 159,749; published Nov. 6, 1923.
Franklin Manufacturing Company. (See Oppenheim, Oberndorf & Co.)
Fries & Fries Company, The, Cincinnati, Ohio. Laxative. 178,526–7; Jan. 15; Serial Nos. 182,968–9; published Oct. 30, 1923.
Fulton Confectionery Company, Boston, Mass. Candy. 178,667; Jan. 15; Serial No. 182,577; published Oct. 30, 1923.
Fulton, Emma G., Chicago, Ill. Hair grower. 178,618; Jan. 15; Serial No. 172,218; published Oct. 30, 1923.
Garland, Claude M., Chicago, Ill. Shock absorbers. 178,702; Jan. 15.
Geddes & Barnaby, also doing business as Al-Fa-Fa Mfg. Co., Los Angeles, Calif. Laxatives and tonics. 178,544; Jan. 15; Serial No. 182,579; published Oct. 30, 1923.
General Asbestos & Rubber Company, Charleston, S. C. Seal and compensating means for piston rings. 178,625; Jan. 15; Serial No. 170,717; published Oct. 30, 1923.
Gil Storage Battery Co., Inc., San Bernardino, Calif. Storage batteries. 178,516; Jan. 15; Serial No. 156,380; published Feb. 7, 1922.
Givlemme Company, Philadelphia, Pa. Perfumes, face powders, toilet waters, etc. 178,532; Jan. 15; Serial No. 182,797; published Oct. 30, 1923.
Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Baseball supplies, etc. 178,736; Jan. 15.
Goldstein, Abraham S., doing business as The Anchor Company. Individually-packed crystals (galena) for radio sets. 178,598; Jan. 15; Serial No. 179,466; published Oct. 23, 1923.
Goodenow Textiles Company, Kansas City, Mo. Underwear and hosiery. 178,714; Jan. 15.
Gorham Manufacturing Company, Providence, R. I. Jewelry and powder-puff boxes, vanity cases, desk sets, etc. 178,518; Jan. 15; Serial No. 152,250; published Oct. 16, 1923.
Grant, W. T., Company, New York, N. Y. Safety pins. 178,565–6; Jan. 15; Serial Nos. 181,830–1; published Oct. 16, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 178,743; Jan. 15.
Great Western Tea Co. (See Donaldson, A. J.)
Grennan Cake Corporation, Cleveland, Ohio; Detroit, Mich.; St. Paul and Minneapolis, Minn.; and Chicago, Ill. Cakes, cookies, and fried cakes. 178,700; Jan. 15.
Grennan Cake Corporation, Cleveland, Ohio; Detroit, Mich.; St. Paul and Minneapolis, Minn., and Chicago, Ill. Cakes. 178,701; Jan. 15.
Griebnow, Frederick W., doing business as El Rey Club Tamale & Enchilada Corporation, San Francisco, Calif. Fresh and canned tamales and enchiladas. 178,512; Jan. 15; Serial No. 162,403; published Oct. 23, 1923.
Grin Co., Inc., The, Los Angeles, Calif. Automobile top dressing, leather dressing, soaps, neat's-foot oil. 178,491; Jan. 15; Serial No. 184,851; published Oct. 30, 1923.
Griscom-Russell Company, The, New York, N. Y. Water heaters, fuel-oil heaters, evaporator water heaters. 178,601; Jan. 15; Serial No. 178,099; published Oct. 30, 1923.
Gross, Maurice, Philadelphia, Pa. Women's dresses, coats, suits, knitted underwear and hosiery. 178,717; Jan. 15.
Harris, Isaac F., doing business as Harris Laboratories, Tuckahoe, N. Y. Pharmaceutical and biological products. 178,510; Jan. 15; Serial No. 165,193; published Oct. 30, 1923.
H. A. S. Coffee Co. (See Schnittker, Henry A.)
Hasler Manufacturing Company, Hampton, Iowa. Pile remedy. 178,719; Jan. 15.
Haspel Brothers, New Orleans, La. Men's suits, pants, vests, and coats. 178,567; Jan. 15; Serial No. 181,746; published Oct. 30, 1923.
Hecketborn, Nettie E., Casper, Wyo. Hair tonic. 178,531; Jan. 15; Serial No. 182,810; published Oct. 30, 1923.
Heidelberg, Wolff & Co., New York, N. Y. Men's and young men's suits, sack suits, overcoats, waistcoats, etc. 178,472; Jan. 15; Serial No. 183,743; published Oct. 30, 1923.
Heller, B., & Company, Chicago, Ill. Metal polishes. 178,695; Jan. 15.
Heller, B., & Company, Chicago, Ill. Metal polishes. 178,699; Jan. 15.
Heller, B., & Company, Chicago, Ill. Boxes, cases, cartons, packages, and containers. 178,710; Jan. 15.
Heller, B., & Company, Chicago, Ill. Barrels, drums, boxes, etc. 178,711; Jan. 15.
Hem-Locked Shade Co., The. (See Smith, Forest C. C.)
Hepburn Company, The, Cleveland, Ohio. Asphalt, including asphalt products designed for roofing, paving, etc. 178,473; Jan. 15; Serial No. 183,651; published Oct. 30, 1923.
Hessel, Isadore A., St. Louis, Mo. Fur coats, capes, wraps, and stoles. 178,626; Jan. 15; Serial No. 170,485; published Oct. 30, 1923.
Heywood-Wakefield Company, Gardner, Mass. Bookcases, bedsteads, buffets, bureaus, etc. 178,623; Jan. 15; Serial No. 171,459; published Oct. 16, 1923.
Hill Manufacturing Co., Lewiston, Me., assignor to Hill Manufacturing Co., Boston, Mass. Cotton fabrics. 178,665; Jan. 15; Serial No. 182,659; published Oct. 23, 1923.
Hill Manufacturing Co., Lewiston, Me., assignor to Hill Manufacturing Co., Boston, Mass. Cotton piece goods. 178,666; Jan. 15; Serial No. 182,658; published Oct. 23, 1923.
Hipple, Solomon R., Williamsport, assignor to DX Instrument Company, Harrisburg, Pa. Rheostats. 178,619; Jan. 15; Serial No. 178,047; published Oct. 23, 1923.
Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Canned salmon. 178,589–90; Jan. 15; Serial Nos. 180,006–7; published Oct. 30, 1923.
Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Canned salmon. 178,591; Jan. 15; Serial No. 180,004; published Oct. 30, 1923.

Hofmann, A. C., & Sons, Syracuse, N. Y. Bacon, canned corned beef, corned pork, etc. 178,621; Jan. 15; Serial No. 171,538; published Nov. 6, 1923.
Holder, A. R., Abilene, Tex. Jelly soap. 178,525; Jan. 15; Serial No. 182,971; published Oct. 16, 1923.
Holt Manufacturing Co., Paterson, N. J. Terry toweling. 178,657; Jan. 15; Serial No. 184,499; published Oct. 23, 1923.
Imperial Candy Company, Seattle, Wash. Salted peanuts. 178,523; Jan. 15; Serial No. 169,302; published Oct. 30, 1923.
Ireland Bros. Inc., New York, N. Y. Linen goods in the piece, handkerchiefs, and household goods manufactured from linen. 178,688; Jan. 15; Serial No. 161,256; published Oct. 23, 1923.
Julin, Albert A., doing business as Julin Importing Company, Chicago, Ill. Hair nets. 178,652; Jan. 15; Serial No. 184,972; published Oct. 30, 1923.
Kampf, H. D., New York, N. Y. #1 sodium hydrosulphite, #2 sodium hydrosulphite, sodium bisulphite, etc. 178,576; Jan. 15; Serial No. 181,285; published Oct. 30, 1923.
Kansas City Paper House, Kansas City, Mo. Book papers. 178,723; Jan. 15.
Kassler, Max, doing business as City Naval Equipment Co., Brooklyn, N. Y. Chest and body protecting garments used as clothing. 178,596; Jan. 15; Serial No. 179,731; published Oct. 30, 1923.
Kaufman-Rohrlich Knitting Mills, Inc., New York, N. Y. Sweaters and scarfs. 178,469; Jan. 15; Serial No. 183,536; published Oct. 30, 1923.
Kellogg Drake & Co., Galesburg, Ill. Cloaks, suits, dresses, and hosiery. 178,605; Jan. 15; Serial No. 176,836; published Oct. 30, 1923.
King Overall Co., Inc., The, Suffolk, Va. Overalls, shirts, underwear, and pyjamas. 178,467; Jan. 15; Serial No. 183,388; published Oct. 30, 1923.
Koster, Chas., & Son, assignors to Koster Butter & Eggs Co., Inc., New York, N. Y. Eggs. 178,696; Jan. 15.
Krauss, Leo, Indianapolis, Ind. Artificial pearls. 178,718; Jan. 15.
La-Bay Co. (See Morehouse, L. M.)
Lane, J. H., & Co., New York, N. Y. Fustian. 178,681; Jan. 15; Serial No. 168,319; published Oct. 23, 1923.
Lane, W. T., Jr., Jonesboro, Ark. Cantaloupes. 178,588; Jan. 15; Serial No. 180,015; published Sept. 11, 1923.
La Victoria Packing Co. (See Baca, Pablo.)
Lebenson, Robt. J., Corporation, The, New York, N. Y. Cotton piece goods. 178,669; Jan. 15; Serial No. 182,850; published Oct. 30, 1923.
Lederer, Herbert B., Corp., New York, N. Y. Gingham piece goods. 178,634; Jan. 15; Serial No. 179,804; published Oct. 30, 1923.
Leichner, L., Berlin, Germany. Toilet preparations and theatrical perfumery. 178,571–5; Jan. 15; Serial Nos. 181,402–6; published Oct. 30, 1923.
Levitz, Mendel, doing business as M. Levitz & Co., Albany, N. Y. Watch movements and watchcases. 178,563; Jan. 15; Serial No. 185,254; published Oct. 30, 1923.
Levy & Marcus, New York, N. Y. Scarfs, cravats, and neckties. 178,501; Jan. 15; Serial No. 184,083; published Oct. 30, 1923.
Lewis & Harris Handwoven Tweed Company Limited, The, Stornaway, Island of Lewis, Scotland. Outer clothing. 178,624; Jan. 15; Serial No. 171,132; published Oct. 30, 1923.
Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts. 178,498; Jan. 15; Serial No. 184,287; published Oct. 30, 1923.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation for the treatment of rheumatism, lumbago, etc. 178,534; Jan. 15; Serial No. 182,760; published Oct. 30, 1923.
Lincoln Laboratories, Inc., Chicago, Ill. Cold and beauty creams. 178,730; Jan. 15.
Linder Bros., New York, N. Y. Women's, misses', and children's cloaks, coats, etc. 178,487; Jan. 15; Serial No. 185,085; published Oct. 30, 1923.
Loewy, Morris, doing business as New York Machinery Company, New York, N. Y. Steel equipment and furniture. 178,613; Jan. 15; Serial No. 174,790; published Oct. 30, 1923.
Lournay, Inc., Milwaukee, Wis. Rouge, cold cream, lip stick, etc. 178,641; Jan. 15; Serial No. 179,279; published Nov. 6, 1923.
Louisville Electric Manufacturing Company, Louisville, Ky. Electric drills, motors, and portable tools. 178,737; Jan. 15.
Luft, George W., Company, Inc., Long Island City, N. Y. Lip stick and rouge. 178,543; Jan. 15; Serial No. 182,664; published Oct. 30, 1923.
Magnavox Company, The, Oakland, Calif. Telephone receiving sets, and radio receiving sets. 178,513; Jan. 15; Serial No. 161,501; published June 13, 1922.
Margolies, J. B., Wholesale Grocer Co., East St. Louis, Ill. Canned vegetables. 178,488–9; Jan. 15; Serial Nos. 185,029–30; published Nov. 6, 1923.
Marinette Electric Corporation, Marinette, Wis. Phones for use with radio and telephone apparatus. 178,549; Jan. 20; Serial No. 182,353; published Oct. 23, 1923.
Marshall Field & Company, Chicago, Ill. Muslin in the piece. 178,633; Jan. 15; Serial No. 181,265; published Oct. 23, 1923.
Martin Brothers Company, Minneapolis, Minn. Shirts, overalls, pants, jackets, etc. 178,517; Jan. 15; Serial No. 154,611; published Sept. 18, 1923.
Max Zeller Söhne, Romanshorn, Switzerland. Remedy used internally for seasickness, etc. 178,602–3; Jan. 15; Serial Nos. 177,793–4; published Oct. 30, 1923.
May & Loeb, Inc., New York, N. Y. Ladies' dresses and skirts. 178,500; Jan. 15; Serial No, 184,175; published Oct. 30, 1923.
McDill, David A., Sterling, Kans. Preparation for the treatment of piles. 178,715; Jan. 15.
Menge, Fred H., doing business as Menge Mfg. Co., San Francisco, Calif. Massaging preparation. 178,724; Jan. 15.
Milliken, John T., & Company, St. Louis, Mo. Germicide and antiseptic mouth wash. 178,608; Jan. 15; Serial No. 176,563; published Oct. 30, 1923.
Mintz, Aaron, & Son, Inc., New York, N. Y. Young men's overcoats and suits. 178,579; Jan. 15; Serial No. 181,138; published Oct. 30, 1923.
Modern Confectioner Publishing Company, Chicago, Ill. Monthly trade magazine. 178,686; Jan. 15; Serial No. 162,350; published Oct. 30, 1923.
Mody, Frederick W., Manchester, England. Tobacco pipes. 178,643; Jan. 15; Serial No. 179,160; published Oct. 23, 1923.
Moeller, Arthur J., doing business as Moeller Battery Works, Chicago, Ill. Storage batteries. 178,738; Jan. 15.
Morehouse, L. M., doing business as La-Bay Co., San Francisco, Calif. Bleaching and cleansing facial liquids and creams. 178,542; Jan. 15; Serial No. 182,665; published Oct. 30, 1923.
Murray, Charles H., Brooklyn, N. Y. Custards, cakes, egg substitutes, wheat flour, etc. 178,640; Jan. 15; Serial No. 179,310; published Oct. 30, 1923.
National Association of Marble Dealers, Buffalo, N. Y. Monthly magazine. 178,648; Jan. 15; Serial No. 185,666; published Nov. 6, 1923.
National Hair Goods Co., New York, N. Y. Wigs. 178,533; Jan. 15; Serial No. 182,764; published Oct. 16, 1923.
New Haven Clock Co., The, New Haven, Conn. Clocks. 178,492–5; Jan. 15; Serial Nos. 184,748–5; published Oct. 30, 1923.
New Haven Knitting Mills, New Haven, Conn. Hosiery. 178,468; Jan. 15; Serial No. 183,883; published Oct. 30, 1923.
New York Machinery Company. (See Loewy, Morris.)
North Carolina Hand-Woven Manufacturing Co., Asheville, N. C. Wool and cotton piece goods. 178,733; Jan. 15.
Northwestern Distributing Co., Billings, Mont. Coffee. 178,672; Jan. 15; Serial No. 178,456; published Oct. 9, 1923.
Oakland Chemical Company, The, New York, N. Y. Antiseptic and disinfectant compounds. 178,628; Jan. 15; Serial No. 181,608; published Nov. 6, 1923.
Oest Fruit Co., San Francisco, Calif. Mincemeat. 178,514; Jan. 15; Serial No. 161,448; published Oct. 30, 1923.
Oest Fruit Co., San Francisco, Calif. Mincemeat. 178,515; Jan. 15; Serial No. 161,446; published Oct. 30, 1923.
Ohio Brass Company, The, Mansfield, Ohio. Ears, clamps, hangers, and brackets for suspending and supporting trolley wires, etc. 178,541; Jan. 15; Serial No. 182,669; published Oct. 23, 1923.
Oppenheim, Oberndorf & Co., Inc., also doing business as Franklin Manufacturing Company, Baltimore, Md. Plain white, dyed, or printed cotton dress and underwear piece goods. 178,659; Jan. 15; Serial No. 184,418; published Nov. 6, 1923.
Oransky, Aaron, doing business as United Chair Seat & Novelty Co., Brooklyn, N. Y. Chair seats. 178,698; Jan. 15.
Orkin, William S., doing business as W. S. Orkin & Company, Boston, Mass. Pearls. 178,568; Jan. 15; Serial No. 181,696; published Oct. 16, 1923.
Osman, Barnet, doing business as Stamford Drug Company, Stamford, Conn.. Purgative and laxative. 178,670; Jan. 15; Serial No. 181,610; published Nov. 6, 1923.
Pacent Electric Company, Incorporated, New York, N. Y. Electrical apparatus. 178,718; Jan. 15.
Pacific Malt & Hops Co. Inc., Brooklyn, N. Y. Malt extract, a slrup for food purposes. 178,685; Jan. 15; Serial No. 163,001; published Oct. 30, 1923.
Page, Herbert P., doing business as H. P. Page Co., Boston, Mass. Cement and other petrescent materials, magnesite flooring, and artificial blocks. 178,476; Jan. 15; Serial No. 183,491; published Oct. 30, 1923.
Paxtonic Blood Food Co. Inc., Birmingham, Ala. Preparation for the blood. 178,612; Jan. 15; Serial No. 174,798; published Oct. 30, 1923.
Pendleton Woolen Mills, Pendleton, Wash. Clothing. 178,720; Jan. 15.
Phinney-Walker Company, New York, N. Y. Clocks. 178,558–9; Jan. 15; Serial Nos. 185,613–14; published Oct. 30, 1923.
Plough Chemical Company, doing business as The Ever-Ready Company, Memphis, Tenn. Metal polish. 178,703; Jan. 15.
Powell, Wm., Co., The, Cincinnati, Ohio. Throttle valves. 178,704; Jan. 15.

Presto Manufacturing Co., New York, N. Y. Fluid for removing stains from the teeth. 178,631; Jan. 15; Serial No.181,569; published Nov. 6, 1923.
Puehrer, Louis, New York, N. Y. Medicine to relieve sore and aching backs, destroy worms, etc. 178,552; Jan. 15; Serial No. 182,182; published Oct. 30, 1923.
Purity Ice Cream Company, Tulsa, Okla. Ice cream. 178,680; Jan. 15; Serial No. 170,543; published Oct. 23, 1923.
P. Wolf-Goldman, Inc., New York, N. Y. Underwear, bath robes, nightgowns, slips, kimonos, and buntings. 178,578; Jan. 15; Serial No. 181,230; published Oct. 30, 1923.
Rannou, Alexandre, & Cie., Marseille, France. Dates. 178,611; Jan. 15; Serial No. 174,874; published Oct. 16, 1923.
Reed, Howard, Marysville, Calif. Fresh pears. 178,687; Jan. 15; Serial No. 181,579; published Oct. 16, 1923.
Reeside, John B., doing business as Reeside Drug Company, Baltimore, Md. Compound used in the treatment of headache, neuralgia, etc. 178,676; Jan. 15; Serial No. 176,100; published Nov. 6, 1923.
Republic Knitting Mills, Philadelphia, Pa. Knit underwear and athletic suits. 178,452; Jan. 15; Serial No. 183,316; published Oct. 30, 1923.
Resnick, Thomas E., Chicago, Ill. Neckwear, mufflers, sweaters, bathing suits, knitted toques. 178,600; Jan. 15; Serial No. 176,761; published Oct. 30, 1923.
Rhodes, James H., & Company, Chicago, Ill. Polishing soap and pads of steel wool to be used therewith. 178,530; Jan. 15; Serial No. 182,859; published Oct. 30, 1923.
Roadfinder Company Limited, Hamilton, Ontario, Canada. Automobile headlight mountings. 178,511; Jan. 15; Serial No. 164,514; published Nov. 28, 1922.
Rockaway Pharmacal Co. (See Ehrlich, Isadore.)
Rogers, John W., doing business as Sanateva Research Co., Washington, D. C. Medicine used as an antiseptic and mouth wash. 178,692; Jan. 15; Serial No. 186,858; published Nov. 13, 1923.
Root, A. I., Company of Texas, San Antonio, Tex. Honey. 178,671; Jan. 15; Serial No. 181,698; published Oct. 30, 1923.
Rosen, Isidore, doing business as Capital Neckwear Company, New York, N. Y. Collars, scarfs, neckties, and cravats. 178,556; Jan. 15; Serial No. 182,062; published Oct. 30, 1923.
Rosenberg, Morris S., New York, N. Y. Horological instruments. 178,586; Jan. 15; Serial No. 180,240; published Oct. 30, 1923.
Rosoff, Maurice H., doing business as The Rosoff Pharmacal Company, Philadelphia, Pa. Organic compound of mercury used as a local antiseptic in medicine. 178,645; Jan. 15; Serial No. 178,773; published Nov. 6, 1923.
Rubber Service Laboratories Co., The, Akron, Ohio. Compound used in the curing of rubber articles. 178,524; Jan. 15; Serial No. 182,998; published Oct. 30, 1923.
Rummel, Hines & Co., Shippensburg, Pa. Overalls, jumpers, shirts, trousers, etc. 178,479; Jan. 15; Serial No. 183,410; published Oct. 30, 1923.
Salsberg, Jacob Inc., New York, N. Y. Ladies' and misses' underwear. 178,499; Jan. 15; Serial No. 184,265; published Oct. 30, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, capes, dresses, etc. 178,744; Jan. 15.
Sanateva Research Co. (See Rogers, John W.)
Savvas, John H., New York, N. Y. Olive oil. 178,557; Jan. 15; Serial No. 182,011; published Oct. 23, 1923.
Schlintz Bros. Co., Appleton, Wis. Cough remedy. 178,536; Jan. 15; Serial No. 182,725; published Oct. 30, 1923.
Schlintz Bros. Co., Appleton, Wis. Shampoo. 178,537; Jan. 15; Serial No. 182,724; published Oct. 30, 1923.
Schlintz Bros. Co., Appleton, Wis. Corn remedy. 178,538; Jan. 15; Serial No. 182,723; published Oct. 30, 1923.
Schmidt & Ault Paper Co., York, Pa. Building paper, sheathing, etc. 178,475; Jan. 15; Serial No. 183,503; published Oct. 30, 1923.
Schnittker, Henry A., doing business as H. A. S. Coffee Co., St. Louis, Mo. Coffee, tea, and other substitutes. 178,675; Jan. 15; Serial No. 176,563; published Sept. 18, 1923.
Schwartz, Louis, doing business as Z. & S. Middy Company, New York, N. Y. Play suits. 178,561; Jan. 15; Serial No. 185,382; published Oct. 30, 1923.
Seelig Specialties Company, New Orleans, La. Mattress protector. 178,728; Jan. 15.
Selflock Nut and Bolt Company, Inc., East Syracuse, N. Y. Bolts and nuts. 178,708; Jan. 15.
Semon Bache & Company, New York, N. Y. Colored glass. 178,654; Jan. 15; Serial No. 184,920; published Oct. 30, 1923.
Sheip and Vandegrift, Inc., Philadelphia, Pa. Radio amplifier horns. 178,569; Jan. 15; Serial No. 181,572; published Oct. 23, 1923.
Shredded Wheat Company, The, Niagara Falls, N. Y. Biscuit or crackers. 178,725; Jan. 15.
Sidney Machine Tool Company, The, Sidney, Ohio. Band saws, saw tables, wood lathes, etc. 178,694; Jan. 15.
Simmons Company, Kenosha, Wis. Bed springs. 178,478; Jan. 15; Serial No. 183,412; published Oct. 30, 1923.
Simon, Tobias, McKeesport, Pa. Coats, vests, trousers, caps, etc. 178,705; Jan. 15.
Smith, Forest C. C., doing business as The Hem-Locked Shade Co., Luverne, Minn. Window shades. 178,555; Jan. 15; Serial No. 182,060; published Oct. 30, 1923.
Stahlman and Wells, Grover Hill, Ohio, and Falmouth, Ky. Honey. 178,729; Jan. 15.
Stamford Drug Company. (See Osman, Barnet.)
Stein, S., & Company, New York, N. Y. Woolen piece goods. 178,656; Jan. 15; Serial No. 184,568; published Oct. 30, 1923.
Stetson Shirt Co. Inc., New York, N. Y. Men's shirts. 178,734; Jan. 15.
Stettner Phonograph Corporation, New York, N. Y. Phonographs. 178,610; Jan. 15; Serial No. 175,035; published Oct. 30, 1923.
Stickel Company, Inc., The, Rochester, N. Y. Eyelash crimpers. 178,497; Jan. 15; Serial No. 184,310; published Oct. 16, 1923.
Stonewall Cotton Mills, The, Stonewall, Miss. Chambray, cheviot, and denims in the piece. 178,661; Jan. 15; Serial No. 183,415; published Oct. 23, 1923.
Story & Clark Piano Co., Chicago, Ill. Pianos. 178,600; Jan. 15; Serial No. 179,066; published Oct. 30, 1923.
Stowe & Woodward Company, Newton and Newton Upper Falls, Mass. Bowling balls. 178,742; Jan. 15.
Strully, Jacques M., doing business as Chiklax Chemical Products Co., Brooklyn, N. Y. Medicinal laxatives. 178,529; Jan. 15; Serial No. 182,884; published Oct. 30, 1923.
Taylor, Arthur W., doing business as Taylor & Taylor, Portland, Oreg. Deodorants and preventives of excessive perspiration. 178,632; Jan. 15; Serial No. 181,465; published Nov. 6, 1923.
Tissue Company, The, Saugerties, N. Y. Embossed napkins. 178,471; Jan. 15; Serial No. 183,808; published Oct. 30, 1923.
Turck, Lewis A., Hornell, N. Y. Cake icing. 178,663; Jan. 15; Serial No. 183,179; published Oct. 30, 1923.
Tuttle Press Company, The, Appleton, Wis. Toilet, shelf, and crêpe papers, paper napkins, etc. 178,726; Jan. 15.
Ullmann, Bernhard Co., Inc., New York, N. Y. Yarns and threads of wool, worsted, cotton, silk, etc. 178,655; Jan. 15; Serial No. 184,608; published Oct. 23, 1923.
Ungerer & Company, Inc., New York, N. Y. Vanillin. 178,551; Jan. 15; Serial No. 182,275; published Oct. 30, 1923.
United Chair Seat & Novelty Co. (See Oransky, Aaron.)
United States Music Company, Chicago, Ill. Perforated music rolls. 178,554; Jan. 15; Serial No. 182,118; published Oct. 30, 1923.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 178,620; Jan. 15; Serial No. 178,543; published Oct. 30, 1923.
Van Camp Sea Food Company, Los Angeles, Calif. Canned olives, grapefruit, pimientoes, and spinach. 178,540; Jan. 15; Serial No. 182,686; published Oct. 16, 1923.
Velvet Oil Co. (See Cavanaugh, William D.)
Voigt, William A., Toledo, Ohio. Dental burrs and broaches. 178,740; Jan. 15.
Voigt, William A., doing business as The Toledo Dental Supply Co., Toledo, Ohio. Deodorizing preparation. 178,585; Jan. 15; Serial No. 180,347; published Oct. 30, 1923.
Volta Co. of America, Inc., Philadelphia, Pa. Preparation for the treatment of rheumatism, etc. 178,673; Jan. 15; Serial No. 177,255; published Nov. 6, 1923.
Wall-Kane Needle Mfg. Co. Inc., Brooklyn, N. Y. Phonograph needles. 178,731; Jan. 15.
Ward, R. B., & Co. Inc., Los Angeles and Piedmont, Calif. Cake. 178,693; Jan. 15; Serial No. 180,995; published Sept. 11, 1923.
Warren, Clyde W., doing business as Automatic Curtain Co., Sauk Rapids, Minn. Porch shades. 178,593; Jan. 15; Serial No. 179,907; published Oct. 16, 1923.
Warren, Clyde W., doing business as Automatic Curtain Co., Sauk Rapids, Minn. Porch shades. 178,594; Jan. 15; Serial No. 179,906; published Oct. 23, 1923.
Warren, Clyde W., doing business as Automatic Curtain Co., Sauk Rapids, Minn. Porch shades. 178,595; Jan. 15; Serial No. 179,905; published Oct. 16, 1923.
Washington, G., Coffee Refining Co., New York, N. Y. Prepared coffee. 178,721–2; Jan. 15.
Webb, Thomas J., Company, Chicago, Ill. Coffee. 178,697; Jan. 15.
Webber, Elwin C., doing business as Webber and Company, Los Angeles, Calif. Confection forming a sandwich. 178,587; Jan. 15; Serial No. 180,035; published Oct. 16, 1923.
Webers, Milwaukee, Wis. Candy. 178,690; Jan. 15; Serial No. 159,828; published Oct. 23, 1923.
Welsbach Co. of N. E., The, Boston, Mass. Gas hot-water storage heaters. 178,599; Jan. 15; Serial No. 178,154; published Oct. 30, 1923.
West Coast Trading Company, San Francisco, Calif. Incense. 178,630; Jan. 15; Serial No. 181,577; published Nov. 6, 1923.

Whiting & Davis Company, Plainville, Mass. Mesh bags. 178,592; Jan. 15; Serial No. 179,979; published Oct. 16, 1923.
Willcomb, George, Company, Boston, Mass. Cotton piece goods. 178,683; Jan. 15; Serial No. 167,282; published Oct. 23, 1923.
Wonder Portable Dishwasher Company, Oakland, Calif. Electrical dishwashing machines. 178,548; Jan. 15; Serial No. 182,454; published Oct. 23, 1923.
Worcester Bleach & Dye Works Co., Worcester, Mass. Cotton glazed braider thread. 178,649; Jan. 15; Serial No. 185,642; published Oct. 30, 1923.
Wunderlich, C. F., Co. Inc., New York, N. Y. Toilet preparation to be added to the bath for medicinal purposes. 178,644; Jan. 15; Serial No. 178,943; published Nov. 6, 1923.
Young Inventions Inc., New York, N. Y. Hosiery. 178,505; Jan. 15; Serial No. 167,750; published Oct. 23, 1923.
Z. & S. Middy Company. (See Schwartz, Louis.)
Zimmer, Ludo L., doing business as The Dependable Information Bureau, Detroit, Mich. Road maps. 178,650; Jan. 15; Serial No. 185,236; published Nov. 6, 1923.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abilene Flour Mills Company, The, Abilene, Kans. Wheat flour. 169,522; Jan. 15.
Achille Starace & Co., New York, N. Y. Salad oil for cooking and table use. 180,817; Jan. 15.
Adler, H., & Bro., New York, N. Y. Hosiery. 187,140; Jan. 15.
All-In-One Adhesive Company. (See Olson, Earl F.)
Allen Wrench & Tool Co., Providence, R. I. Bit holders. 185,910; Jan. 15.
Alligator Clothing Company, St. Louis, Mo. Topcoats, raincoats, overcoats, and suits. 187,447; Jan. 15.
American Furniture Novelty Co., Chicago, Ill. Tables, tea wagons, stands, etc. 182,638; Jan. 15.
American Thermo-Ware Company, New York, N. Y. Thermometers, binoculars, field glasses, etc. 188,146; Jan. 15.
Anderson, Andrew N., doing business as Gladwin Creamery and Produce Co., Gladwin, Mich. Butter. 187,842; Jan. 15.
Arrow Novelty Company, Inc., New York, N. Y. Leather goods and novelties. 180,916–8; Jan. 15.
Asphalt Roofing Products Co. (See Cassidy, James E.)
B-Metal Refining Company. (See Miller, Andrew H.)
Barber Milling Company, Minneapolis, Minn. Wheat flour. 188,880; Jan. 15.
Barnowitz, Harry, doing business as Honeymoon Hosiery Shoppe, Brooklyn, N. Y. Hosiery for men, women, and children. 188,624; Jan. 15.
Beacon Merchandise Co., Inc., White Plains, N. Y. Hosiery, underwear for men and women made of textile fabric, etc. 185,404; Jan. 15.
Beatrice Creamery Company, Chicago, Ill. Eggs. 187,789–90; Jan. 15.
Beckwith, Edmund R., Montgomery, Ala. Antidyspeptic pills. 185,893; Jan. 15.
Behrens, E. H., & Co., Inc., New York, N. Y. Silks and dress goods, piece goods. 188,521; Jan. 15.
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Shirts. 176,248; Jan. 15.
Bettmann-Dunlap Company, The, Cincinnati, Ohio. Leather boots and shoes. 181,008; Jan. 15.
Bewley Mills, The, Fort Worth, Tex. Poultry feed. 187,452; Jan. 15.
Bianchi, Salvaterra & Co., Modena, Italy. Cheese and salt meat (sausage). 173,620; Jan. 15.
Black & White Milling Company, East St. Louis, Ill. Corn meal, grits, and corn flour. 186,410; Jan. 15.
Black Band Consolidated Coal Company, Olcott, W. Va. Coal. 183,871; Jan. 15.
Blauner's, Philadelphia, Pa. Silk hosiery. 188,068; Jan. 15.
Blaxilk Products Company, Minneapolis, Minn. Top dressing for automobiles and other vehicles. 149,794; Jan. 15.
Boyer, Russell C., doing business as Boyer & Co., Kansas City, Mo. Hair-curling fluid. 186,463; Jan. 15.
Bradford Dyers' Association Limited, The, Bradford, England. Cotton piece goods. 188,582–3; Jan. 15.
Brandes, Paul H., Bridgeport, Conn. Toys—viz, Tricycles. 181,670; Jan. 15.
Brice, Henry T., Quitman, Ga. Liver and kidney pills. 186,940; Jan. 15.
Brice, Henry T., Quitman, Ga. Tonic for malaria, chills, chills and fever, etc. 186,971; Jan. 15.
Brodin Millinery Company, Los Angeles, Calif. Girls' hats. 173,167; Jan. 15.
Burger, Iwan, Inc., New York, N. Y. Canned sardines. 182,084; Jan. 15.
Burnham, Stoepel & Company, Detroit, Mich. Men's work and dress shirts, pyjamas, etc. 178,710; Jan. 15.
Burton-Dixie Corporation, Chicago, Ill. Mattresses, pillows, etc. 189,150; Jan. 15.
Busche, Benjamin H., doing business as Mama Cookie Bakery, Cleveland, Ohio. Cookies. 188,361; Jan. 15.
Caldwell, A. B., Mfg. Co. (See Van Camp Hardware & Iron Company.)
California Glass & Paint Company, Los Angeles, Calif. Mirrors. 175,382–3; Jan. 15.
California Liquid Bleach Co. (See Criswell, J. Kelly.)
Campbell, Walter L., Philadelphia, Pa. Dining table cabinets. 188,042. Jan. 15.
Caradonna, Michle, doing business as 4 CCCC Co., New York, N. Y. Dandruff remedy. 188,738; Jan. 15.
Cassidy, James E., doing business as Asphalt Roofing Products Co., Washington, D. C. Coating for roofs. 165,523; Jan. 15.
Centennial Mill Company, Spokane, Wash. Wheat flour. 183,906; Jan. 15.
Central Western Feeding Molasses Company, Warsaw, Ind. Stock food. 186,314; Jan. 15.
Choco-Ice Company, Chicago, Ill. Confections and food products. 178,091; Jan. 15.
Clinton Shoe Manufacturing Company, Clinton, Iowa. Men's leather shoes. 186,104; Jan. 15.
Cohen, N. B., & Bro., Scranton, Pa. Hair nets. 188,297; Jan. 15.
Cohn Hall Marx Company, New York, N. Y. Cotton piece goods. 187,454; Jan. 15.
Collin County Mill & Elevator Co., McKinney, Tex. Wheat flour. 185,896; Jan. 15.
Colonial Works, Brooklyn, N. Y. Ready-mixed paint, varnish stain, etc. 188,665; Jan. 15.
Colorado Milling & Elevator Co., The, doing business as The Hungarian Flour Mills, Denver, Colo. Wheat flour. 188,471; Jan. 15.
Colorado Milling & Elevator Co., The, doing business as The Model Flour Mills, Denver and Greeley, Colo. Wheat flour. 189,035; Jan. 15.
Concord Colonial Chair Company, Ashland, Mass. Household and office chairs. 186,047; Jan. 15.
Cooke Auto School. (See Coyne Trade & Engineering School.)
Corning Glass Works, Corning, N. Y. Beakers, flasks, test tubes, etc. 188,987; Jan. 15.
Corrao, Antonio, New York, N. Y. Olive oil. 171,904; Jan. 15.
Cortland Line Co., Inc., Cortland, N. Y. Enameled silk fishing lines. 164,381; Jan. 15.
Coty, Inc., Wilmington, Del., and New York, N. Y. Rouges. 188,748–4; Jan. 15.
Coyne Trade & Engineering School, doing business as Cooke Auto School, Chicago, Ill. Correspondence lessons. 186,820; Jan. 15.
Criswell, J. Kelly, doing business as California Liquid Bleach Co., Los Angeles, Calif. Antiseptic washing fluid for use as a bleach. 188,895; Jan. 15.
Crofts & Reed Co., Chicago, Ill. Toilet soap. 160,111; Jan. 15.
Currie & Stege, New York, N. Y. Artificial silk and cotton madras in the piece. 188,535; Jan. 15.
Davenport Mfg. Co., Inc., Davenport, Iowa. Oil engines. 187,301; Jan. 15.
Davis-Reece Company, Inc., Brooklyn, N. Y. Cake. 175,980; Jan. 15.
Dek Co. (See Shaffer, Cleve T.)
Deming Company, The, Salem, Ohio. Power pumps. 169,476; Jan. 15.
Denver Rock Drill Mfg. Co., Denver, Colo. Steel-condition-determining apparatus. 186,417; Jan. 15.
Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen goods in the piece. 188,151; Jan. 15.
D'Etreillis, Jeanne, New York, N. Y. Lingerie. 187,859; Jan. 15.
Doolittle New England Doughnut Co., The, Torrington, Conn. Homemade doughnuts and crullers. 187,861; Jan. 15.
Dormeuil Freres, Paris, France. Worsted piece goods. 187,514; Jan. 15.
Duluth Superior Milling Company, Duluth, Minn., and New York, N. Y. Wheat flour. 176,609; Jan. 15.
Dutchess Knitting Mills, New York, N. Y. Knitted outer wear. 167,349; Jan. 15.
Dutton & Company, Chicago, Ill. Bed springs. 189,042; Jan. 15.
Eastman Kodak Company, Rochester, N. Y. Motion-picture projectors and projecting outfits. 187,862; Jan. 15.
Electrabot Appliances, Inc., Minneapolis, Minn. Electric curling and soldering irons, percolators, etc. 188,235; Jan. 15.
Electro Manufacturing Co., Thibodaux, La. Compound for soldering enameled ware, aluminum ware, etc. 188,359; Jan. 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Elektrizitatswerk, Lonza, Gampel and Basel, Switzerland. Burners used for solid fuels. 183,700; Jan. 15.
Endicott Johnson Corporation, Endicott, N. Y. Rubber soles and heels. 181,017; Jan. 15.
English & Mersick Co., The, New Haven, Conn. Vehicle door hinges. 188,898; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,799–800; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,803; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Frog spears. 188,804; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,817; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,819–20; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,827; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 188,829; Jan. 15.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 188,831–2; Jan. 15.
Everbest One-Piece Shoe Co., Boston and Wellesley, Mass. Shoes. 186,320; Jan. 15.
Everneat Hosiery Mills. (See Wardlaw, Joseph R.)
Faber, Eberhard Poncil Company, Brooklyn, N. Y. Lead pencils. 188,134; Jan. 15.
Farmastic Company, Fort Washington and Philadelphia, Pa. Paints and paint enamels. 188,412; Jan. 15.
Felicia, Mme. (See Weiss, Felicia.)
Finery Silk Stocking Co., Inc., New York, N. Y. Hosiery. 181,523; Jan. 15.
Flexible Steel Lacing Company, Chicago, Ill. Flexible or hinged belt fasteners. 188,192–4; Jan. 15.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,932; Jan. 15.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,934; Jan. 15.
4 CCCC Co. (See Caradonna, Michle.)
Franklin Simon & Co. Inc. New York, N. Y. Women's, girls' and misses' furnishings, undergarments, and clothing. 186,225; Jan. 15.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, four-in-hand ties and bow ties. 186,987; Jan. 15.
Friedrich-Friedrich Co., Inc., Philadelphia, Pa. Hair pomade. 185,751; Jan. 15.
Garden City Paint & Varnish Co., Chicago, Ill. Cleaner for the hands and for painted and enameled walls, etc. 181,827; Jan. 15.
General Butter Corporation, New York, N. Y. Butter. 188,238; Jan. 15.
Gladwin Creamery and Produce Co. (See Anderson, Andrew N.)
Glenwild Hotel & Farms, Inc., Monroe, N. Y. Soup. 157,094; Jan. 15.
Goldman Costume Company, Inc., New York, N. Y. Underwear and furnishings. 187,283; Jan. 15.
Goldstein, Julius & Sons, Boston, Mass. Leather shoes and felt slippers. 185,335; Jan. 15.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Wheat flour. 186,503; Jan. 15.
Greenville Mfg. Company, The, Greenville, Ohio. Motor-driven dump trucks. 186,786; Jan. 15.
Griscom-Russell Company, The, New York, N. Y. Heat changers, distillers, and evaporators. 187,519; Jan. 15.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,115; Jan. 15.
Grumbacher, Max, New York, N. Y. Artists' brushes. 189,119–21; Jan. 15.
Guiterman Bros. Inc., St. Paul, Minn. Bathing suits, sweater coats, etc. 188,305; Jan. 15.
Haines, James B., & Sons Company, Pittsburgh, Pa. Hosiery, knitted and fabric underwear, gloves, etc. 188,552–3; Jan. 15.
Hart, Philip B., Montreal, Quebec, Canada. Combination yarn for knitting hosiery. 185,825; Jan. 15.
Heath, Wilfrid P., Chicago, Ill. Bread, butter, and ice cream. 167,614; Jan. 15.
Helena Wholesale Dry Goods Company, Helena, Ark. Overalls, pants, shirts, etc. 188,267; Jan. 15.
Heller, B., & Company, Chicago, Ill. Insecticides, meat-curing preparations and compounds, etc. 185,925–6; Jan. 15.
Henard Mayonnaise Company, Nashville, Tenn. Salad dressing. 187,214; Jan. 15.
Herder, Richard A., doing business as Richard Abr. Herder, Solingen, Germany. Knives, forks, scissors, etc. 181,070; Jan. 15.
Hexagon Tire Co., Inc., New York, N. Y. Automobile and truck rubber and rubber and fabric tires and tubes therefor. 187,052; Jan. 15.
Hicks-Hayward Co., El Paso, Tex. Pants, coats, men's hats, boots, and shirts. 186,427; Jan. 15.
Hill & Dale Distributing Co., The, New York, N. Y. Knitted sport coats. 184,666; Jan. 15.
Hillsboro Shoe Co., Manchester, N. H. Boots and shoes. 178,102; Jan. 15.
Hirsch, Irving D., doing business as Park Laboratories, New York, N. Y. Hair dressing. 188,843; Jan. 15.
Hochberg Bros., New York, N. Y. Bloomers. 188,680; Jan. 15.
Hoffman, S. L., doing business as S. L. Hoffman & Co., New York, N. Y. Ginghams in the piece. 182,212; Jan. 15.
Hollingshead, W. R., Inc., Binghamton, N. Y. Ointment for the feet. 184,165; Jan. 15.
Honeymoon Hosiery Shoppe. (See Barnowitz, Harry.)
Hoyt's Consumers Cracker & Biscuit Corporation, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Crackers, cakes, and biscuit. 184,075; Jan. 15.
Hughes, William H., Washington, Pa. Oil-base liquid detergent and cleaning preparations and dressings. 147,025; Jan. 15.
Hungarian Flour Mills, The. (See The Colorado Milling & Elevator Co.)
Independent Coffee Company, Milwaukee, Wis. Coffee. 186,908; Jan. 15.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Men's shoes of leather. 184,459; Jan. 15.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Women's shoes of leather. 184,460; Jan. 15.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Men's shoes of leather. 184,464; Jan. 15.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Children's shoes of leather. 184,465; Jan. 15.
Jean Garment Company, The, Chicago, Ill. Lingerie, women's and children's gymnasium bloomers, underwear. 181,283; Jan. 15.
Jones, H., & Co., Oakland, Calif. Canned peaches. 171,850; Jan. 15.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,448; Jan. 15.
Jurasinski, Charles, New York, N. Y. Hair tonic. 188,756; Jan. 15.
Karp, Roth & Lohren, New York, N. Y. Women's coats, suits, capes, etc. 184,076; Jan. 15.
Keehn Brothers, Chicago, Ill. Leather shoes. 185,829; Jan. 15.
Keller, Julius, jr., New York, N. Y. Automobiles. 184,670; Jan. 15.
Kelly Axe Mfg. Co., Charleston, W. Va., and New York, N. Y. Adses, axes, bush hooks, grass hooks, etc. 186,134; Jan. 15.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Reeled or spooled barbed wire. 189,213–19; Jan. 15.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence. 189,220–6; Jan. 15.
Kleiner, Joseph J., & Co., New York, N. Y. Clinical thermometers, hypodermic needles and syringes, etc. 168,531; Jan. 15.
Kodascope Libraries Inc., Rochester, N. Y. Motion-picture film carrying completed images for projection. 187,870; Jan. 15.
Kops Bros. Inc., New York, N. Y. Corsets, brassières, etc. 187,747; Jan. 15.
Kraft, J. L., & Bros. Co., Chicago, Ill. Cheese. 188,315; Jan. 15.
Lansburgh & Bro., Inc., Washington, D. C. Shoe lasts, blind awnings, rat traps, rubber cloth, etc. 173,900; Jan. 15.
Leeka, James A., Peoria, Ill. Weekly circulars. 186,795; Jan. 15.
Lehmann, Gottfried, Worb, Switzerland. Cheese. 183,927; Jan. 15.
Lelong-Kendick Company, Newark, N. J. Metal alloys. 187,320; Jan. 15.
Lelong-Kendick Company, Newark, N. J. Platinum alloy. 187,748; Jan. 15.
Lewis, Samuel, New York, N. Y. Waste baskets. 187,750; Jan. 15.
Lewis, William, & Son, Chicago, Ill. Strings for violins and similar instruments. 188,212; Jan. 15.
Lindsay Farm Bureau Fruit Association, Lindsay, Calif. Fresh citrous and deciduous fruits and fresh grapes. 187,167; Jan. 15.
Lopez & Co., Philadelphia, Pa. Olive oil. 186,281; Jan. 15.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Biscuits. 188,020; Jan. 20.
Loudenslager, Jos., Flour Mills, Tiffin, Ohio. Wheat flour. 188,490; Jan. 15.
McBride, Paul, Richmond, Ind. Table board game. 161,327; Jan. 15.
McKenzie Milling Co., McKenzie, Tenn. Wheat flour and corn meal. 189,060; Jan. 15.
McWade Merchandise Corporation, Inc., The, Rochester, N. Y. Lubricating oils, etc. 189,131; Jan. 15.
Mabella Laboratory, Chicago, Ill. Cream for removing freckles, tan, and all skin discolorations. 169,583; Jan. 15.
Macdonald, James F., doing business as Jas. F. Macdonald Company, San Francisco, Calif. Rakes. 167,991; Jan. 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Maher, Francis, doing business as Maher & Company, St. Louis, Mo. Evaporated milk. 187,330; Jan. 15.
Mallometer Company, Detroit, Mich. Combined sealing and stamping machines and sealing machines. 187,331; Jan. 15.
Mama Cookie Bakery. (See Busche, Benjamin H.)
Marinette Knitting Mills, Marinette, Wis.; Chicago, Ill., and New York, N. Y. Wearing apparel. 186,232; Jan. 15.
Marshall, Ethel L., Winston-Salem, N. C. Knit underwear, skirts, sweaters, hosiery. 187,753; Jan. 15.
Melanson Shoe Co., Lynn, Mass. Shoes. 177,504; Jan. 15.
Merle Napkin Co., The. (See Miller, Muriel.)
Michaels, Stern & Co., Rochester, N. Y. Men's suits, coats, vests, and trousers. 184,508; Jan. 15.
Milano Bros., Cleveland, Ohio. Olive oil. 186,516; Jan. 15.
Miller, Andrew H., doing business as B-Metal Refining Company, Detroit, Mich. Radio equipment. 187,634; Jan. 15.
Miller, Muriel, doing business as The Merle Napkin Co., Denver, Colo. Catamenial pads. 188,374; Jan. 15.
Milligan, Stephen W., Harrison, N. J. Spouts for receptacles. 185,690; Jan. 15.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 188,691; Jan. 15.
Miracle Sales Co., Los Angeles, Calif. Soap. 169,175; Jan. 15.
Misener & Irving Mfg. Co., Syracuse, N. Y. Tools used for cutting circular holes in metal, etc. 177,899; Jan. 15.
Model Flour Mills, The. (See Colorado Milling & Elevator Co.)
Morris, Frank, Southington, Conn. Tire irons. 187,952; Jan. 15.
Mueller Baking Co., Bowling Green, Mo. Bread. 188,692; Jan. 15.
Mueller Metals Company, Port Huron, Mich. Forgings of nonferrous metals. 186,068; Jan. 15.
Mundy, Marie, doing business as The Naturalizing Mfg. Co., Atlanta, Ga. Skin bleach, vanishing face cream, and hair grower. 188,852; Jan. 15.
Mustoease Company, Butte and Walkerville, Mont. Ointment for rheumatism, lumbago, backache, etc. 185,805; Jan. 15.
Natchez Baking Co. (See Simon, Leo.)
Naturalizing Mfg. Co., The. (See Mundy, Marie.)
Neumann, Samuel, New York, N. Y. Coats and jackets for ladies, girls, and infants. 187,757; Jan. 15.
New England Bakery Company, Somerville, Mass. Bread. 176,051; Jan. 15.
New Era Milling Company, The, Arkansas City, Kans. Wheat and Graham flour, wheat bran, and shorts, and corn meal. 186,521; Jan. 15.
Nichols Electric Furniture Company, Bennington, Vt. Electrically-equipped serving table. 188,855–6; Jan. 15.
Northwestern Leather Co., Boston, Mass. Leathers. 146,667; Jan. 15.
Nusbaum, D., & Co., Inc., New York and Woodhaven, N. Y. Knitted outer and under garments. 187,140; Jan. 15.
O. K. Manufacturing Co., Inc., Philadelphia, Pa. Belt and pulley covering and cement. 183,663; Jan. 15.
Oberman, D. M., Manufacturing Company, Jefferson City, Mo. Overalls. 183,664; Jan. 15.
Oklahoma Mill Co., The, Kingfisher, Okla. Wheat flour. 188,968; Jan. 15.
Olson, Earl F., doing business as All-In-One Adhesive Company, St. Louis, Mo. Adhesive for the repair and attachment of articles of rubber, leather, and cloth. 188,251; Jan. 15.
Owl Drug Company, The, San Francisco, Calif. Soap, glove cleaner, whiting, etc. 166,402; Jan. 15.
Paint Products Corporation, Philadelphia, Pa. Prepared paints. 188,769; Jan. 15.
Park Laboratories. (See Hirsch, Irving D.)
Parsil, Arthur F., New York, N. Y. Stockings. 187,954; Jan. 15.
Pask, Cornish & Smart, London, England. Dates. 175,807; Jan. 15.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's dress and negligee shirts. 187,342; Jan. 15.
Peters Shoe Company. (See International Shoe Company.)
Pierce, S. S., Co., Boston, Mass. Chili sauce, tomato catchup, oyster-cocktail sauce, etc. 185,719; Jan. 15.
Pierce, S. S., Co., Boston, Mass. Smoking tobacco. 174,856; Jan. 15.
Pierce, S. S., Co., Boston, Mass. Toilet water and toilet extract. 186,154; Jan. 15.
Pietsuch, Joseph, Cincinnati, Ohio. Rubber heels and lifts of heels for boots, shoes, and slippers. 177,571; Jan. 15.
Pittsburgh Steel Co., Pittsburgh, Pa. Barbed wire, bright wire, nails, blue wire nails, etc. 183,801; Jan. 15.
Pittsburgh Steel Co., Pittsburgh, Pa. Fence stretcher and single wire stretchers. 188,131; Jan. 15.
Pittsburgh Steel Co., Pittsburgh, Pa. Galvanized wire, wire rods, hoop steel, etc. 188,182; Jan. 15.
Pittsburgh Steel Co., Pittsburgh, Pa. Two-ply twist cable wire. 188,133; Jan. 15.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume, extracts, toilet water, etc. 184,420; Jan. 15.
Plateelbakkerij "Zuid-Holland," Gouda, Netherlands. Pottery. 188,926; Jan. 15.
Poppy Knitting Mills, Newark, N. J. Sweaters and bathing suits. 185,672; Jan. 15.
Puigdengolas, Esteban, Barcelona, Spain. Toothpicks. 179,552; Jan. 15.
Quisenberry Feed Mfg. Co., Kansas City, Mo. Feeds and feedstuffs. 187,126; Jan. 15.
Radford & Wright Company, Oshkosh, Wis. Wooden doors. 187,639; Jan. 15.
Rakt Manufacturing Co. (See Rosenberg & Kronenberg.)
Ralston's Manufacturing Co. (See Wertheimer, Louis J.)
Riverside Metal Company, The, Riverside, N. J. Nonferrous metal and metal alloys. 183,943; Jan. 15.
Robinson Silk Company, Inc., Astoria and New York, N. Y. Silk piece goods. 188,254; Jan. 15.
Rosenberg & Kronenberg, doing business as Rakt Manufacturing Co., New York, N. Y. Nightgowns, dresses, and aprons. 186,930; Jan. 15.
Rosenberg, Maurice H., doing business as M. H. Rosenberg & Co., New York, N. Y. Ladies' silk and muslin undergarments. 188,706; Jan. 15.
Rossman, Robert, Company, New York, N. Y. China bathroom fixtures. 187,849; Jan. 15.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn. Pile fabrics in the piece. 159,115; Jan. 15.
Security Manufacturing Company, Los Angeles, Calif. Piston pins, poppet valves for automobiles. 182,677; Jan. 15.
Shaffer, Cleve T., doing business as Dek Co., San Francisco, Calif. Net game similar to tennis. 188,864; Jan. 15.
Shapiro, Harry H., New York, N. Y. Medicated tooth filling. 188,714; Jan. 15.
Shepard Company, The, Providence, R. I. Dry goods. 185,845; Jan. 15.
Siemens & Halske, A. G., Siemensstadt, near Berlin, Germany. Radiation pyrometers. 187,592; Jan. 15.
Silberg Bros., Baltimore, Md. Men's outer suits and overcoats. 186,859; Jan. 15.
Simon, Leo, doing business as Natchez Baking Co., Natchez, Miss. Fruit cake. 186,806; Jan. 15.
Smith, H. D., & Company, Plantsville, Conn. Screw drivers. 183,345; Jan. 15.
Société Anonyme Le Carbone, Levallois-Perret, France. Electric cells. 165,768; Jan. 15.
Southern Hosiery Company, Inc., Fort Worth, Tex. Hosiery. 188,101; Jan. 15.
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 188,279; Jan. 15.
Sperling & Sperling, New York, N. Y. Juvenile and women's coats. 183,001; Jan. 15.
Sperry Gyroscope Company, Brooklyn, N. Y. Automatic steering devices. 183,126; Jan. 15.
Standard Oil Company of New York, New York, N. Y. Lamp chimneys and reservoirs. 188,886; Jan. 15.
Stemolin Corporation, New York, N. Y. Lawn-mower blades. 168,177; Jan. 15.
Sternberg, J. J., & Co., New York, N. Y. Infants' and children's knitted sweaters, sacks, bootees, etc. 185,907; Jan. 15.
Strauss Manufacturing Co., The, San Francisco, Calif. Towel bars, glass shelves, etc. 188,576; Jan. 15.
Sulzer, Carl & Company, Chicago, Ill. Bread. 188,281; Jan. 15.
Sunny South Grain Company, Birmingham, Ala. Cattle, chicken and pigeon feeds. 183,949–50; Jan. 15.
Superior Lime & Hydrate Co. Inc., Pelham, Ala. Lime. 184,695; Jan. 15.
Sweeny, Robert P., Greenville, S. C. Vacuum cleaners and parts thereof. 185,851; Jan. 15.
Swift and Company, Chicago, Ill. Butter. 189,079–80; Jan. 15.
Szewczyk, Tadeusz, Passaic, N. J. Medicinal preparation. 188,779; Jan. 15.
Szewczyk, Tadeusz, Passaic, N. J. Salve for old wounds, blood poisoning, burns, etc. 188,780; Jan. 15.
Takamine Laboratory, Inc., Clifton, N. J. Clarifying material used in the manufacture of vinegar. 184,481; Jan. 15.
Thornberry, Harry E., Cairo, Ill. Sandwiches. 183,010; Jan. 15.
Tire and Rim Association of America, Inc. The, Cleveland, Ohio. Rims for vehicle wheels. 186,573; Jan. 15.
Topping, John A., Nyack, N. Y. Shingle-attaching devices. 187,497; Jan. 15.
Townsend, E. M., & Co., New York, N. Y. Hosiery and underwear of knitted and textile fabrics. 188,342–4; Jan. 15.
Trail-It Company, Minneapolis, Minn. Hitches for automotive vehicles. 187,358; Jan. 15.
Travis, Romaine & Jelie, Inc., New York, N. Y. Silk crepes in the piece. 186,306; Jan. 15.
Tuttle & Bailey Manufacturing Company, Brooklyn, N. Y. Heating and ventilating apparatus. 168,438; Jan. 15.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Twee Chemical Company. (See Williams, J. A.)
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Tools, machines, and parts thereof. 138,735; Jan. 15.
United States Envelope Company, Springfield, Mass. Toilet paper. 188,864; Jan. 15.
Vail, Ed. S., Butterine Co., Chicago, Ill. Oleomargarine. 188,169–74; Jan. 15.
Van Camp Hardware & Iron Company, doing business as A. B. Caldwell Mfg. Co., Indianapolis, Ind. Hinges, sash lifts, door hangers, etc. 187,555; Jan. 15.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Handkerchiefs and hair nets. 186,728; Jan. 15.
Wade Hill Manufacturing Co., St. Louis, Mo. Oil burners and burner apparatus. 186,308; Jan. 15.
Waldes & Co., Inc., Long Island City, N. Y. Snap fasteners on cards. 186,338; Jan. 15.
Wallace Milling Company, Huntingburg, Ind. Pure hard-wheat flour. 186,514; Jan. 15.
Ward Baking Company, New York, N. Y. Bread and cake. 185,734; Jan. 15.
Wardlaw, Joseph, R., doing business as Everneat Hosiery Mills, Chattanooga, Tenn. Silk, cotton and wool hosiery. 188,347; Jan. 15.
Warren Products Company, Inc., New York, N. Y. Lamps for motion-picture projection. 187,597; Jan. 15.
Warren, S. D., Company, Boston, Mass. Printing paper. 187,651; Jan. 15.
Washington Co-Operative Egg & Poultry Association, Seattle, Wash. Eggs. 187,359; Jan. 15.
Washington Shirt Co., The, Chicago, Ill. Collars, union suits, cravats, etc. 187,361; Jan. 15.
Wasmuth-Endicott Company, Andrews, Ind. Built-in furniture. 182,323; Jan. 15.
Weiss, Felicia, doing business as Mme. Felicia, Coney Island, Brooklyn, N. Y. Face powders, face creams, etc. 188,618; Jan. 15.
Wells, Sidney D., Madison, Wis. Hydrometers. 188,728; Jan. 15.
Wertheimer, Louis J., doing business as Ralston's Manufacturing Co., Dallas, Tex. Polish for painted, enameled and varnished surfaces. 186,402; Jan. 15.
West Virginia Camera Co., Kimball, W. Va. Photographic chemicals. 188,724; Jan. 15.
Whitehead, R. H., Burlington, N. C. Hosiery. 188,353; Jan. 15.
Whitman, Clarence, & Son, Inc., Katonah and New York, N. Y. Bleached and piece-dyed cotton and silk and cotton textiles. 188,512; Jan. 15.
Wiley-Bickford-Sweet Company, The, Worcester, Mass. and Hartford, Conn. Knitted suits and coats, bathing suits, sport coats, etc. 155,983; Jan. 15.
Williams, J. A., doing business as Twee Chemical Company, Fort Wayne, Ind. Preparation for the control of clothes moths. 184,224; Jan. 15.
Williamsburg Wood Heel Co., Inc., Brooklyn, N. Y. Wood heels. 181,359; Jan. 15.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 188,083–4; Jan. 15.
Winship, Bert & Company, Wakefield, Mass. Two-piece underwear, union suits, hose, etc. 187,364; Jan. 15.
Wolf Milling Company, Elliniwood, Kans. Graham, rye, and wheat flour, corn meal, etc. 186,261; Jan. 15.
Woodward-Wanger Company, Philadelphia, Pa. Bathroom fixtures. 189,178; Jan. 15.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Barrels, drums, boxes, etc. B. Heller & Company. 178,711; Jan. 15.
Boxes, cases, cartons, packages, and containers. B. Heller & Company. 178,710; Jan. 15.

CLASS 4.

Automobile top dressing, leather dressing, soaps, neat's-foot oil. Grin Co. 178,491; Jan. 15; Serial No. 184,851; published Oct. 30, 1923.
Leather or canvas belts, Dressing for. Chicago Belting Company. 178,564; Jan. 15; Serial No. 181,879; published Oct. 30, 1923.
Polish, Metal. Plough Chemical Company. 178,703; Jan. 15.
Polishes, Metal. B. Heller & Company. 178,695; Jan. 15.
Polishes, Metal. B. Heller & Company. 178,699; Jan. 15.
Soap. U. S. Sanitary Specialties Corporation. 178,620; Jan. 15; Serial No. 178,543; published Oct. 30, 1923.
Soap and pads of steel wool. Polishing. James H. Rhodes & Company. 178,530; Jan. 15; Serial No. 182,359; published Oct. 30, 1923.
Soap, Jelly. A. R. Holder. 178,525; Jan. 15; Serial No. 182,971; published Oct. 16.

CLASS 6.

Alcohol, Denatured ethyl. Blu-Blaze Corporation. 178,546; Jan. 15; Serial No. 182,497; published Oct. 30, 1923.
Antiseptic and disinfectant compounds. Oakland Chemical Company. 178,628; Jan. 15; Serial No. 181,608; published Nov. 6, 1923.
Chemical compound. Etablissements Poulenc Frères (Société Anonyme). 178,614; Jan. 15; Serial No. 173,756; published Oct. 30, 1923.
Chemical preparation used as a hypnotic, sedative, or antiepileptic. Etablissements Poulenc Frères. 178,615; Jan. 15; Serial No. 173,755; published Oct. 30, 1923.
Compound used in the curing of rubber articles. Rubber Service Laboratories Co. 178,524; Jan. 15; Serial No. 182,998; published Oct. 30, 1923.
Compound used in the treatment of headache, neuralgia, etc. J. B. Reeside. 178,676; Jan. 15; Serial No. 176,100; published Nov. 6, 1923.
Corn remedy. Schlientz Bros. Co. 178,538; Jan. 15; Serial No. 182,723; published Oct. 30, 1923.
Cough remedy. Schlientz Bros. Co. 178,536; Jan. 15; Serial No. 182,725; published Oct. 30, 1923.
Cream, Cold. Foley & Company. 178,535; Jan. 15; Serial No. 182,745; published Oct. 30, 1923.
Creams, Cold and beauty. Lincoln Laboratories, Inc. 178,730; Jan. 15.
Deodorants and preventives of excessive perspiration. A. W. Taylor. 178,632; Jan. 15; Serial No. 181,465; published Nov. 6, 1923.
Deodorizing preparation. W. A. Voigt. 178,585; Jan. 15; Serial No. 180,347; published Oct. 30, 1923.
Dyes and dyestuffs. Grasselli Chemical Company. 178,743; Jan. 15.
Facial pack. Crown Chemical Company. 178,607; Jan. 15; Serial No. 176,671; published Oct. 30, 1923.
Fire-extinguishing compositions and ingredients thereof. American Dyewood Company. 178,528; Jan. 15; Serial No. 182,897; published Oct. 30, 1923.
Fluid for removing stains from the teeth. Presto Manufacturing Co. 178,631; Jan. 15; Serial No. 181,560; published Nov. 6, 1923.
Germicide and antiseptic mouthwash. John T. Milliken & Company. 178,608; Jan. 15; Serial No. 176,563; published Oct. 30, 1923.
Hair grower. E. G. Fulton. 178,618; Jan. 15; Serial No. 172,218; published Oct. 30, 1923.
Hair tonic. N. E. Hechethorn. 178,531; Jan. 15; Serial No. 182,810; published Oct. 30, 1923.
Incense. West Coast Trading Company. 178,630; Jan. 15; Serial No. 181,577; published Nov. 6, 1923.
Insecticide. B. E. Chaney. 178,629; Jan. 15; Serial No. 181,586; published Nov. 6, 1923.
Insecticides and cleaning liquids. Flash Chemical Company. 178,485; Jan. 15; Serial No. 183,027; published Oct. 30, 1923.
Laxative. Fries & Fries Company. 178,526–7; Jan. 15; Serial Nos. 182,968–9; published Oct. 30, 1923.
Laxatives. J. M. Strully. 178,529; Jan. 15; Serial No. 182,884; published Oct. 30, 1923.
Laxatives and tonics. Geddes & Barnaby. 178,544; Jan. 15; Serial No. 182,579; published Oct. 30, 1923.
Lip stick and rouge. George W. Luft Company. 178,543; Jan. 15; Serial No. 182,664; published Oct. 30, 1923.
Liquids and creams, Facial. L. M. Morehouse. 178,542; Jan. 15; Serial No. 182,665; published Oct. 30, 1923.
Medicinal preparation. Eli Lilly and Company. 178,534; Jan. 15; Serial No. 182,760; published Oct. 30, 1923.
Medicine as an antiseptic and mouth wash. J. W. Rogers. 178,602; Jan. 15; Serial No. 186,858; published Nov. 13, 1923.
Medicine to relieve sore and aching backs, destroy worms etc. L. Fuehrer. 178,552; Jan. 15; Serial No. 182,182; published Oct. 30, 1923.
Medicine used for sprains, bruises, bites, etc. C. & A. Drug Co. 178,684; Jan. 15; Serial No. 167,066; published Oct. 23, 1923.
Mercury, Organic compound of. M. H. Rosoff. 178,645; Jan. 15; Serial No. 178,773; published Nov. 6, 1923.
Massaging preparation. F. H. Menge. 178,724; Jan. 15.
Oil, Medicinal. W. D. Cavanaugh. 178,553; Jan. 15; Serial No. 182,131; published Oct. 30, 1923.
Perfumes, face powders, toilet waters, etc. Giviemme Company. 178,532; Jan. 15; Serial No. 182,797; published Oct. 30, 1923.
Pharmaceutical and biological products. I. F. Harris. 178,510; Jan. 15; Serial No. 166,193; published Oct. 30, 1923.
Preparation for invigorating and cleaning the scalp. Falliza Laboratory. 178,486; Jan. 15; Serial No. 183,026; published Oct. 30, 1923.
Preparation for roup, etc., for poultry. G. E. Blanchard. 178,637; Jan. 15; Serial No. 179,352; published Nov. 6, 1923.

Preparation for the blood. Partonic Blood Food Co. 178,612; Jan. 15; Serial No. 174,708; published Oct. 30, 1923.
Preparation for the treatment of piles. D. A. McDill. 178,715; Jan. 15.
Preparation for the treatment of rheumatism, etc. Volta Co. of America. 178,673; Jan. 15; Serial No. 177,255; published Nov. 6, 1923.
Preparation for treatment of the bowels. J. Dutton. 178,580; Jan. 15; Serial No. 182,705; published Oct. 30, 1923.
Preparation to relieve indigestion, heartburn, and gases. I. Ehrlich. 178,560; Jan. 15; Serial No. 181,118; published Oct. 30, 1923.
Purgative and laxative. B. Osman. 178,670; Jan. 15; Serial No. 181,610; published Nov. 6, 1923.
Relief of carbuncles, tumors, etc. C. Bascelli & Bros. 178,677; Jan. 15; Serial No. 173,462; published Nov. 6, 1923.
Remedy, Pile. Hasler Manufacturing Company. 178,719; Jan. 15.
Remedy used for seasickness, etc. Max Zeller Söhne. 178,602–3; Jan. 15; Serial No. 177,793–4; published Oct. 30, 1923.
Rouge, cold cream, lip stick, etc. Lournay, Inc. 178,641; Jan. 15; Serial No. 179,279; published Nov. 6, 1923.
Salve, Foot. L. Brown. 178,647; Jan. 15; Serial No. 178,548; published Nov. 6, 1923.
Salves. A. B. Allen. 178,622; Jan. 15; Serial No. 171,782; published Oct. 30, 1923.
Shampoo. Schlientz Bros. Co. 178,537; Jan. 15; Serial No. 182,724; published Oct. 30, 1923.
Skin preparation. C. A. Fjelstad. 178,727; Jan. 15.
#1 Sodium hydrosulphite, #2 sodium hydrosulphite, sodium bisulphite, etc. H. D. Kampf. 178,576; Jan. 15; Serial No. 181,285; published Oct. 30, 1923.
Sodium potassium bismutho tartrate in glucose aqueous solution. Etablissements Poulenc Frères. 178,616; Jan. 15; Serial No. 173,753; published Oct. 30, 1923.
Suppositories, Vaginal. F. A. Eliason. 178,646; Jan. 15; Serial No. 178,660; published Nov. 6, 1923.
Toilet preparation. C. F. Wunderlich Co. 178,644; Jan. 15; Serial No. 178,943; published Nov. 6, 1923.
Toilet preparations and theatrical perfumery. L. Leichner. 178,571–5; Jan. 15; Serial Nos. 181,402–6; published Oct. 30, 1923.
Vaccine, Specific. Etablissements Poulenc Frères. 178,617; Jan. 15; Serial No. 173,743; published Oct. 30, 1923.
Vanillin. Ungerer & Company. 178,551; Jan. 15; Serial No. 182,275; published Oct. 30, 1923.

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches. Alfred Dunhill of London, Inc. 178,642; Jan. 15; Serial No. 179,265; published Oct. 23, 1923.
Pipes, Tobacco. F. W. Mody. 178,643; Jan. 15; Serial No. 179,160; published Oct. 23, 1923.

CLASS 11.

Inked ribbons. Columbia Carbon Company. 178,490; Jan. 15; Serial No. 185,006; published Oct. 30, 1923.

CLASS 12.

Asphalt. Hepburn Company. 178,473; Jan. 15; Serial No. 183,651; published Oct. 30, 1923.
Cement and other petrescent materials, magnesite flooring, and artificial blocks. H. P. Page. 178,476; Jan. 15; Serial No. 183,491; published Oct. 30, 1923.
Cement stucco finish, Prepared Portland. A. J. Cook & Co. 178,474; Jan. 15; Serial No. 183,555; published Oct. 30, 1923.
Paper, sheathing, etc., Building. Schmidt & Ault Paper Co. 178,475; Jan. 15; Serial No. 183,503; published Oct. 30, 1923.
Sheet-metal products, corner irons, etc. Dunco Metal Products Co. 178,477; Jan. 15; Serial No. 183,471; published Oct. 30, 1923.
Stone and flagging. Dorrco Slate Company. 178,709; Jan. 15.

CLASS 13.

Bolts and nuts. Selflock Nut and Bolt Company. 178,708; Jan. 15.
Valves, Throttle. Wm. Powell Co. 178,704; Jan. 15.

CLASS 19.

Headlight and mountings, Automobile. Roadfinder Company Limited. 178,511; Jan. 15; Serial No. 164,514; published Nov. 28, 1922.
Shock absorbers. C. M. Garland. 178,702; Jan. 15.
Vehicles, Motor-driven. American La France Fire Engine Company. 178,503; Jan. 15; Serial No. 184,052; published Oct. 30, 1923.
Wagons. Bain Wagon Company. 178,481; Jan. 15; Serial No. 183,354; published Oct. 30, 1923.

CLASS 21.

Batteries, Storage. A. J. Moeller. 178,738; Jan. 15.
Cooking appliances, Electrical. Du Charme Electrical Manufacturing Co. 178,716; Jan. 15.
Dishwashing machines, Electrical. Wonder Portable Dishwasher Company. 178,548; Jan. 15; Serial No. 182,454; published Oct. 23, 1923.
Drills, motors, and tools, Electric. Louisville Electric Manufacturing Company. 178,737; Jan. 15.
Electrical apparatus. Electrical Specialty Company. 178,520; Jan. 15; Serial No. 151,150; published Oct. 23, 1923.
Electrical apparatus. Pacent Electric Company. 178,718; Jan. 15.
Flatirons, Electric. Donnelly Machine Co. 178,545; Jan. 15; Serial No. 182,578; published Oct. 23, 1923.
Insulated electric wire. Acme Wire Company. 178,483; Jan. 15; Serial No. 183,241; published Oct. 23, 1923.
Lighting fixture units, Electrical. Benjamin Electric Manufacturing Company. 178,508; Jan. 15; Serial No. 166,277; published Oct. 23, 1923.
Load transformers, testing switches, etc., Artificial. Eastern Specialty Company. 178,604; Jan. 15; Serial No. 176,887; published Oct. 30, 1923.
Radio amplifier horns. Sheip and Vandegrift, Inc. 178,569; Jan. 15; Serial No. 181,572; published Oct. 23, 1923.
Radio and telephone apparatus, Phones for use with. Marinette Electric Corporation. 178,549; Jan. 15; Serial No. 182,353; published Oct. 23, 1923.
Radio apparatus, Connecting plugs for. Dubilier Condenser & Radio Corp. 178,577; Jan. 15; Serial No. 181,254; published Oct. 30, 1923.
Radio equipment. Clapp-Eastham Company. 178,509; Jan. 15; Serial No. 166,040; published Oct. 17, 1922.
Radio receiving and transmitting sets and parts thereof. Baldwin Radio Electrical Manufacturing Co. 178,507; Jan. 15; Serial No. 166,244; published Oct. 30, 1923.
Radio sets, Individually-packed crystals (galena) for. A. S. Goldstein. 178,598; Jan. 15; Serial No. 179,466; published Oct. 23, 1923.
Rheostats. S. R. Hipple. 178,619; Jan. 15; Serial No. 173,047; published Oct. 23, 1923.
Rheostats, lamp sockets, electric flatirons, etc., Compression. Electric Regulator Mfg. Corp. 178,570; Jan. 15; Serial No. 181,439; published Oct. 23, 1923.
Storage batteries. Gill Storage Battery Co. 178,516; Jan. 15; Serial No. 156,380; published Feb. 7, 1922.
Telephone and radio receiving sets. Magnavox Company. 178,518; Jan. 15; Serial No. 161,501; published June 13, 1922.
Telephone systems, Automatic. Automatic Electric Company. 178,484; Jan. 15; Serial No. 183,133; published Oct. 30, 1923.
Telephones and loud speakers, Loud-speaking. Acme Apparatus Company. 178,707; Jan. 15.
Trolley wires, etc., Ears, clamps, etc. for. Ohio Brass Company. 178,541; Jan. 15; Serial No. 182,609; published Oct. 23, 1923.

CLASS 22.

Balls, Bowling. Stowe & Woodward Company. 178,742; Jan. 15.
Baseball supplies, etc. P. Goldsmith Sons Company. 178,736; Jan. 15.
Games, dolls, etc. Aywon Toy & Novelty Corporation. 178,733; Jan. 15.
Toy, Seesaw. Buddy-Bouncer Company. 178,688; Jan. 15; Serial No. 179,895; published June 19, 1923.

CLASS 23.

Automobile shafts. Butler Automotive Steel Co. 178,706; Jan. 15.
Saws, saw tables, wood lathes, etc., Band. Sidney Machine Tool Company. 178,694; Jan. 15.
Vehicles, Dismembered parts of motor. H. G. J. Frank. 178,691; Jan. 15; Serial No. 159,749; published Nov. 6, 1923.

CLASS 24.

Clothes washers, Electric. Delphie Specialty Manufacturing Company. 178,584; Jan. 15; Serial No. 180,469; published Oct. 23, 1923.

CLASS 27.

Clocks. New Haven Clock Co. 178,492–5; Jan. 15; Serial Nos. 184,748–51; published Oct. 30, 1923.
Clocks. Phinney-Walker Company. 178,558–9; Jan. 15; Serial Nos. 185,613–14; published Oct. 30, 1923.
Horological instruments. M. S. Rosenberg. 178,586; Jan. 15; Serial No. 180,240; published Oct. 30, 1923.
Watch movements and watchcases. M. Levits. 178,563; Jan. 15; Serial No. 185,254; published Oct. 30, 1923.

CLASS 28.

Bags, Mesh. Whiting & Davis Company. 178,592; Jan. 15; Serial No. 179,979; published Oct. 16, 1923.
Jewelry and powder-puff boxes, vanity cases, etc. Gorham Manufacturing Company. 178,518; Jan. 15; Serial No. 152,250; published Oct. 16, 1923.
Pearls. W. S. Orkin. 178,568; Jan. 15; Serial No. 181,696; published Oct. 16, 1923.
Pearls, Artificial. L. Krauss. 178,713; Jan. 15.
Silver-plated table and hollow-ware, etc. T. N. Benedict Mfg. Co. 178,506; Jan. 15; Serial No. 167,670; published Oct. 23, 1923.

CLASS 30.

Teapots, Porcelain. G. Barnett. 178,674; Jan. 15; Serial No. 176,942; published Oct. 30, 1923.

CLASS 32.

Bed springs. Simmons Company. 178,478; Jan. 15; Serial No. 183,412; published Oct. 30, 1923.
Bookcases, bedsteads, buffets, bureaus, etc. Heywood-Wakefield Company. 178,623; Jan. 15; Serial No. 171,459; published Oct. 16, 1923.
Chair seats. A. Oransky. 178,698; Jan. 15.
Shades, Porch. C. W. Warren. 178,593; Jan. 15; Serial No. 179,907; published Oct. 16, 1923.
Shades, Porch. C. W. Warren. 178,594; Jan. 15; Serial No. 179,906; published Oct. 23, 1923.
Shades, Porch. C. W. Warren. 178,595; Jan. 15; Serial No. 179,905; published Oct. 16, 1923.
Shades, Window. F. C. C. Smith. 178,555; Jan. 15; Serial No. 182,069; published Oct. 30, 1923.
Steel equipment and furniture. M. Loewy. 178,613; Jan. 15; Serial No. 174,790; published Oct. 30, 1923.

CLASS 33.

Glass, Colored. Semon Bache & Company. 178,654; Jan. 15; Serial No. 184,920; published Oct. 30, 1923.
Photographic-dry-plate glass and picture glass. Chauffouraux Glass Company. 178,668; Jan. 15; Serial No. 181,728; published Oct. 23, 1923.

CLASS 34.

Heaters, Gas hot-water storage. Welsbach Co. of N. E. 178,599; Jan. 15; Serial No. 178,154; published Oct. 30, 1923.
Heaters, Water, fuel-oil, and evaporator water. Griscom-Russell Company. 178,601; Jan. 15; Serial No. 178,099; published Oct. 30, 1923.
Stoves, Alcohol. Blu-Blase Corporation. 178,547; Jan. 15; Serial No. 182,496; published Oct. 30, 1923.

CLASS 35.

Piston rings, Seal and compensating means for. General Asbestos & Rubber Company. 178,625; Jan. 15; Serial No. 170,717; published Oct. 30, 1923.

CLASS 36.

Banjos. Bacon Banjo Co. 178,496; Jan. 15; Serial No. 184,580; published Oct. 30, 1923.
Music rolls, Perforated. United States Music Company. 178,554; Jan. 15; Serial No. 182,118; published Oct. 30, 1923.
Phonograph needles. Wall-Kane Needle Mfg. Co. 178,731; Jan. 15.
Phonographs. Stettner Phonograph Corporation. 178,610; Jan. 15; Serial No. 175,035; published Oct. 30, 1923.
Pianos. Story & Clark Piano Co. 178,600; Jan. 15; Serial No. 179,066; published Oct. 30, 1923.

CLASS 37.

Napkins, Embossed. Tissue Company. 178,471; Jan. 15; Serial No. 183,808; published Oct. 30, 1923.
Paper. Bennington Wax Paper Company. 178,636; Jan. 15; Serial No. 179,453; published Oct. 30, 1923.
Paper, Filter. Central Scientific Company. 178,560; Jan. 15; Serial No. 185,446; published Oct. 30, 1923.
Paper, Ledger. H. P. Andrews Paper Company. 178,739; Jan. 15.
Paper, Manifold. Ideeck Manufacturing Co. 178,562; Jan. 15; Serial No. 185,332; published Oct. 30, 1923.
Paper, paper napkins, etc., Toilet. Tuttle Press Company. 178,726; Jan. 15.
Paper, Thin. H. P. Andrews Paper Company. 178,741; Jan. 15.
Papers, Book. Kansas City Paper House. 178,723; Jan. 15.
Tracing cloth. Arkwright Finishing Company. 178,712; Jan. 15.

CLASS 38.

Magazine, Monthly. National Association of Marble Dealers. 178,648; Jan. 15; Serial No. 185,666; published Nov. 6, 1923.
Magazine, Monthly trade. Modern Confectioner Publishing Company. 178,686; Jan. 15; Serial No. 162,350; published Oct. 30, 1923.
Maps, Road. L. L. Zimmer. 178,650; Jan. 15; Serial No. 185,236; published Nov. 6, 1923.
Publications, Periodical. Chicago Automobile Trade Association. 178,583; Jan. 15; Serial No. 180,522; published Oct. 30, 1923.

CLASS 39.

Bathing suits. Athletic Garment & Mfg. Company. 178,735; Jan. 15.
Cloaks, coats, suits, dresses, and skirts. Linder Bros. 178,487; Jan. 15; Serial No. 185,085; published Oct. 30, 1923.
Cloaks, suits, dresses, hosiery. Kellogg Drake & Co. 178,605; Jan. 15; Serial No. 176,836; published Oct. 30, 1923.
Clothes, Men's and young men's outer. Chas. Douglis-Mack Co. 178,504; Jan. 15; Serial No. 167,803; published Oct. 30, 1923.
Clothing. Pendleton Woolen Mills. 178,720; Jan. 15.
Clothing, Outer. Lewis & Harris. Handwoven Tweed Company. 178,624; Jan. 15; Serial No. 171,132; published Oct. 30, 1923.
Coats, cloaks, dresses, etc. Salt's Textile Manufacturing Company. 178,744; Jan. 15.
Coats, vests, trousers, caps, etc. T. Simon. 178,705; Jan. 15.
Collars, scarfs, neckties, and cravats. I. Rosen. 178,556; Jan. 15; Serial No. 182,062; published Oct. 30, 1923.
Dresses and skirts, Ladies'. May & Loeb, Inc. 178,500; Jan. 15; Serial No. 184,175; published Oct. 30, 1923.
Dresses, coats, suits, knitted underwear, hosiery, Women's. M. Gross. 178,717; Jan. 15.
Fur coats, capes, wraps, and stoles. I. A. Hessel. 178,626; Jan. 15; Serial No. 170,485; published Oct. 30, 1923.
Garments used as clothing, Chest and body protecting. M. Kassler. 178,596; Jan. 15; Serial No. 179,781; published Oct. 30, 1923.
Gloves and mittens. Boss Manufacturing Company. 178,521; Jan. 15; Serial No. 141,451; published Dec. 6, 1921.
Hosiery. John Blood & Company. 178,470; Jan. 15; Serial No. 183,817; published Oct. 30, 1923.
Hosiery. New Haven Knitting Mills. 178,468; Jan. 15; Serial No. 183,883; published Oct. 30, 1923.
Hosiery. Young Inventions Inc. 178,505; Jan. 15; Serial No. 167,750; published Oct. 23, 1923.
Knitted bathing suits, sweaters, and slip-ons. Atlas Knitting Mills, Inc. 178,502; Jan. 15; Serial No. 184,060; published Oct. 30, 1923.
Neckwear, mufflers, sweaters, etc. T. E. Resnick. 178,606; Jan. 15; Serial No. 176,761; published Oct. 30, 1923.
Overalls, jumpers, shirts, etc. Rummel, Himes & Co. 178,479; Jan. 15; Serial No. 183,410; published Oct. 30, 1923.
Overalls, shirts, underwear, and pyjamas. King Overall Co. 178,467; Jan. 15; Serial No. 183,388; published Oct. 30, 1923.
Overcoats and suits, Young men's. Aaron Mints & Sons, Inc. 178,579; Jan. 15; Serial No. 181,138; published Oct. 30, 1923.
Scarfs, cravats, and neckties. Levy & Marcus. 178,501; Jan. 15; Serial No. 184,083; published Oct. 30, 1923.
Shirts. S. Liebovits & Sons, Inc. 178,498; Jan. 15; Serial No. 184,287; published Oct. 30, 1923.
Shirts. Stetson Shirt Co. 178,734; Jan. 15.
Shirts, boys' waists and blouses, etc., Men's and boys' work and dress. Bob & Baskind. 178,480; Jan. 15; Serial No. 183,356; published Oct. 30, 1923.
Shirts, overalls, pants, jackets, etc. Martin Brothers Company. 178,517; Jan. 15; Serial No. 154,611; published Sept. 18, 1923.
Shirts, Play. L. Schwartz. 178,561; Jan. 15; Serial No. 185,382; published Oct. 30, 1923.
Suits, pants, vests, and coats, Men's. Haspel Brothers. 178,567; Jan. 15; Serial No. 181,746; published Oct. 30, 1923.
Suits, sack suits, overcoats, waistcoats, etc. Heidelberg, Wolff & Co. 178,472; Jan. 15; Serial No. 183,743; published Oct. 30, 1923.
Sweaters and scarfs. Kaufman-Eohrlich Knitting Mills, Inc. 178,469; Jan. 15; Serial No. 183,836; published Oct. 30, 1923.
Underwests, corset covers, and brassières, Ladies'. Benjamin & Weil, Inc. 178,550; Jan. 15; Serial No. 182,289; published Oct. 30, 1923.
Underwear. Jacob Salsberg, Inc. 178,499; Jan. 15; Serial No. 184,265; published Oct. 30, 1923.
Underwear and athletic suits, Knit. Republic Knitting Mills. 178,482; Jan. 15; Serial No. 183,816; published Oct. 30, 1923.
Underwear and hosiery. Goodenow Textiles Company. 178,714; Jan. 15.
Underwear, bath robes, nightgowns, etc. P. Wolf-Goldman, Inc. 178,578; Jan. 15; Serial No. 181,230; published Oct. 30, 1923.

CLASS 40.

Beads and metal spangles. Canuet Frères. 178,660; Jan. 15; Serial No. 184,018; published Oct. 9, 1923.
Eyelash crimpers. Stickel Company. 178,497; Jan. 15; Serial No. 184,310; published Oct. 16, 1923.
Pins, Safety. W. T. Grant Company. 178,565–6; Jan. 15; Serial Nos. 181,830–1; published Oct. 16, 1923.
Wigs. National Hair Goods Co. 178,533; Jan. 15; Serial No. 182,764; published Oct. 16, 1923.

CLASS 42.

Chambray, cheviot, and denims in the piece. Stonewall Cotton Mills. 178,661; Jan. 15; Serial No. 183,415; published Oct. 23, 1923.
Cotton dress and underwear piece goods. Oppenheim, Oberndorf & Co. 178,659; Jan. 15; Serial No. 184,418; published Nov. 6, 1923.
Cotton fabrics. Hill Manufacturing Co. 178,665; Jan. 15; Serial No. 182,659; published Oct. 23, 1923.

Cotton piece goods. Burnham-Munger-Root Dry Goods Company. 178,662; Jan. 15; Serial No. 183,358; published Oct. 23, 1923.
Cotton piece goods. Hill Manufacturing Co. 178,666; Jan. 15; Serial No. 182,658; published Oct. 23, 1923.
Cotton piece goods. Robt. J. Lebenson Corporation. 178,669; Jan. 15; Serial No. 182,350; published Oct. 30, 1923.
Cotton piece goods. George Willcomb Company. 178,683; Jan. 15; Serial No. 167,282; published Oct. 23, 1923.
Drapery fabrics. Barbe-McKenzie Corporation. 178,651; Jan. 15; Serial No. 185,197; published Oct. 30, 1923.
Denims in the piece. Erwin Cotton Mills Co. 178,745; Jan. 15.
Fustian. J. H. Lane & Co. 178,681; Jan. 15; Serial No. 168,319; published Oct. 23, 1923.
Gingham piece goods. Herbert B. Lederer Corp. 178,634; Jan. 15; Serial No. 179,804; published Oct. 30, 1923.
Hair nets. The Emporium. 178,658; Jan. 15; Serial No. 184,441; published Oct. 23, 1923.
Hair nets. A. A. Julin. 178,652; Jan. 15; Serial No. 184,972; published Oct. 30, 1923.
Knitted, netted, and textile fabrics. Calhoun, Robbins & Co. 178,678; Jan. 15; Serial No. 172,200; published Apr. 3, 1923.
Linen goods in the piece, handkerchiefs, etc. Ireland Bros. Inc. 178,688; Jan. 15; Serial No. 161,256; published Oct. 23, 1923.
Mattress protector. Seelig Specialties Company. 178,728; Jan. 15.
Muslin in the piece. Marshall Field & Company. 178,633; Jan. 15; Serial No. 181,265; published Oct. 23, 1923.
Rugs, Woven jute floor. S. Cohen & Son. 178,653; Jan. 15; Serial No. 184,959; published Oct. 30, 1923.
Silk fabrics. Coudurier, Fructus & Descher. 178,689; Jan. 15; Serial No. 151,613; published Oct. 30, 1923.
Silk piece goods. Corticelli Silk Company. 178,679; Jan. 15; Serial No. 170,624; published Oct. 30, 1923.
Toweling, Terry. Holt Manufacturing Co. 178,657; Jan. 15; Serial No. 184,499; published Oct. 23, 1923.
Wool and cotton piece goods. North Carolina Hand-Woven Manufacturing Co. 178,733; Jan. 15.
Woolen piece goods. S. Stein & Company. 178,656; Jan. 15; Serial No. 184,568; published Oct. 30, 1923.

CLASS 43.

Thread, Cotton glazed braider. Worcester Bleach & Dye Works Co. 178,649; Jan. 15; Serial No. 185,642; published Oct. 30, 1923.
Yarns and threads. Bernhard Ulmann Co. 178,655; Jan. 15; Serial No. 184,698; published Oct. 23, 1923.

CLASS 44.

Dental burrs and broaches. W. A. Voigt. 178,740; Jan. 15.

CLASS 46.

Bacon, canned corn beef, corned pork, etc. A. C. Hofmann & Sons. 178,621; Jan. 15; Serial No. 171,538; published Nov. 6, 1923.
Biscuit or crackers. Shredded Wheat Company. 178,725; Jan. 15.
Butter, cheese, ice cream, and eggs. Borden's Farm Products Company. 178,519; Jan. 15; Serial No. 151,249; published Feb. 7, 1922.
Cake. R. B. Ward & Co. 178,693; Jan. 15; Serial No. 180,995; published Sept. 11, 1923.
Cake icing. L. A. Turck. 178,663; Jan. 15; Serial No. 183,179; published Oct. 30, 1923.
Cakes. Grennan Cake Corporation. 178,701; Jan. 15.
Cakes, cookies, and fried cakes. Grennan Cake Corporation. 178,700; Jan. 15.
Candy. C. F. Blanke Candy Company. 178,581–2; Jan. 15; Serial Nos. 181,107–8; published Oct. 30, 1923.
Candy. Cardinet Candy Company. 178,597; Jan. 15; Serial No. 179,584; published Oct. 30, 1923.
Candy. Fulton Confectionery Company. 178,667; Jan. 15; Serial No. 182,577; published Oct. 30, 1923.
Candy. Webers. 178,690; Jan. 15; Serial No. 159,826; published Oct. 23, 1923.
Canned chile. P. Baca. 178,639; Jan. 15; Serial No. 179,348; published Oct. 30, 1923.
Canned olives, grapefruit, pimientoes, and spinach. Van Camp Sea Food Company. 178,540; Jan. 15; Serial No. 182,685; published Oct. 16, 1923.
Canned oysters and shrimp. Biloxi Packing & Trading Co. 178,627; Jan. 15; Serial No. 170,364; published Oct. 30, 1923.
Canned vegetables. J. B. Margolies Wholesale Grocer Co. 178,488–9; Jan. 15; Serial Nos. 185,029–30; published Nov. 6, 1923.
Canned peas. Calumet Packing Co. 178,682; Jan. 15; Serial No. 167,383; published Oct. 16, 1923.
Canned salmon. Hodgson and Company Limited. 178,589–90; Jan. 15; Serial Nos. 180,006–7; published Oct. 30, 1923.
Canned salmon. Hodgson and Company Limited. 178,591; Jan. 15; Serial No. 180,004; published Oct. 30, 1923.
Cantaloupes. W. T. Lane, jr. 178,588; Jan. 15; Serial No. 180,015; published Sept. 11, 1923.
Coffee. Betterton-Rupert Coffee Co. 178,635; Jan. 15; Serial No. 179,771; published Oct. 23, 1923.
Coffee. Northwestern Distributing Co. 178,672; Jan. 15; Serial No. 178,456; published Oct. 9, 1923.
Coffee. Thomas J. Webb Company. 178,697; Jan. 15.
Coffee, Prepared. G. Washington Coffee Refining Co. 178,721–2; Jan. 15.
Coffee, tea, and other substitutes. H. A. Schnittker. 178,675; Jan. 15; Serial No. 176,858; published Sept. 18, 1923.
Confection. E. C. Webber. 178,587; Jan. 15; Serial No. 180,035; published Oct. 16, 1923.
Custards, cakes, egg substitutes, etc. C. H. Murray. 178,640; Jan. 15; Serial No. 179,310; published Oct. 30, 1923.
Dates. Alexandre Rannou & Cie. 178,611; Jan. 15; Serial No. 174,874; published Oct. 16, 1923.
Eggs. Chrs. Koster & Son. 178,696; Jan. 15.
Food, Nut cereal. Battle Creek Food Company. 178,609; Jan. 15; Serial No. 176,708; published Oct. 30, 1923.
Honey. A. I. Root Company of Texas. 178,671; Jan. 15; Serial No. 181,698; published Oct. 30, 1923.
Honey. Stahlman and Wells. 178,729; Jan. 15.
Ice cream. Beatrice Creamery Company. 178,664; Jan. 15; Serial No. 182,734; published Oct. 30, 1923.
Ice cream. Purity Ice Cream Company. 178,680; Jan. 15; Serial No. 170,642; published Oct. 23, 1923.
Malt extract. Pacific Malt & Hops Co. 178,685; Jan. 15; Serial No. 163,001; published Oct. 30, 1923.
Mincemeat. Oest Fruit Co. 178,514; Jan. 15; Serial No. 161,448; published Oct. 30, 1923.
Mincemeat. Oest Fruit Co. 178,515; Jan. 15; Serial No. 161,446; published Oct. 30, 1923.
Oil, Olive. J. H. Savvas. 178,557; Jan. 15; Serial No. 182,011; published Oct. 23, 1923.
Peanuts, Salted. Imperial Candy Company. 178,523; Jan. 15; Serial No. 160,302; published Oct. 30, 1923.
Pears, Fresh. H. Reed. 178,687; Jan. 15; Serial No. 161,579; published Oct. 16, 1923.
Tamales and enchiladas, Fresh and canned. F. W. Griebnow. 178,512; Jan. 15; Serial No. 162,403; published Oct. 23, 1923.
Tea, coffee, flavoring extracts for food, cocoa, etc. A. J. Donaldson. 178,522; Jan. 15; Serial No. 140,169; published Aug. 29, 1922.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Black Band Consolidated Coal Company. 183,871; Jan. 15.
Leathers. Northwestern Leather Co. 148,667; Jan. 15.

CLASS 2.

Baskets, Waste. S. Lewis. 187,750; Jan. 15.
Receptacle spouts. S. W. Milligan. 188,690; Jan. 15.

CLASS 3.

Leather goods and novelties. Arrow Novelty Company. 160,916–18; Jan. 15.

CLASS 4.

Automobiles and other vehicles, Top dressing for. Blaxlik Products Company. 149,704; Jan. 15.
Cleaner for the hands, woodwork, etc. Garden City Paint & Varnish Co. 181,827; Jan. 15.
Detergent and cleaning preparations and dressings, Oil-base liquid. W. H. Hughes. 147,025; Jan. 15.
Soap. Miracle Sales Co. 169,175; Jan. 15.
Soap, glove cleaner, whiting, etc. Owl Drug Company. 166,402; Jan. 15.
Soap, Toilet. Crofts & Reed Co. 160,111; Jan. 15.

CLASS 5.

Adhesive. E. F. Olson. 188,251; Jan. 15.
Belt and pulley covering and cement. O. K. Manufacturing Co. 183,663; Jan. 15.

CLASS 6.

Bleach, vanishing face cream, and hair grower, Skin. M. Mundy. 188,852; Jan. 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cream for removing freckles, etc. Mabella Laboratory. 169,553; Jan. 15.
Dandruff remedy. M. Caradonna. 188,738; Jan. 15.
Hair-curling fluid. R. C. Boyer. 188,462; Jan. 15.
Hair dressing. I. D. Hirsch. 188,843; Jan. 15.
Hair pomade. Friedrich-Friedrich Co. 185,751; Jan. 15.
Hair tonic. C. Jarmulski. 188,756; Jan. 15.
Insecticides, moth-curing preparations and compounds, etc. B. Heller & Company. 185,928–9; Jan. 15.
Medicinal preparation. T. Szewczyk. 188,779; Jan. 15.
Ointment for rheumatism, neuritis, etc. Mustogas Company. 186,305; Jan. 15.
Ointment for soreness in the feet, bunions, etc. W. R. Hollingshead, Inc. 184,166; Jan. 15.
Perfume, extracts, lotions, etc. L. T. Piver, Inc. 184,420; Jan. 15.
Photographic chemicals. West Virginia Camera Co. 188,724; Jan. 15.
Pills, Antidyspeptic. E. R. Beckwith. 185,893; Jan. 15.
Pills, Liver and kidney. H. T. Brice. 186,940; Jan. 15.
Powders and creams, perfumes, etc., Face. F. Weiss. 188,618; Jan. 15.
Preparation for the control of the clothes moths. J. A. Williams. 184,224; Jan. 15.
Rouges. Coty, Inc. 188,742–4; Jan. 15.
Salve. T. Szewczyk. 188,780; Jan. 15.
Toilet water and extract. S. S. Pierce Co. 186,154; Jan. 15.
Tonic. H. T. Brice. 186,971; Jan. 15.
Washing fluid, Antiseptic. J. K. Criswell. 188,805; Jan. 15.

CLASS 7.

Wire, Two-ply twist cable. Pittsburgh Steel Co. 188,133; Jan. 15.

CLASS 9.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,448; Jan. 15.

CLASS 12.

Doors, Wooden. Radford & Wright Company. 187,639; Jan. 15.
Furniture, Built-in. Wasmuth-Endicott Company. 182,323; Jan. 15.
Lime. Superior Lime & Hydrate Co. 184,695; Jan. 15.
Roof coating. J. B. Cassidy. 185,523; Jan. 15.

CLASS 13.

Bathroom fixtures, China. Robert Roseman Company. 187,349; Jan. 15.
Bathroom fixtures. Woodward-Wanger Company. 189,178; Jan. 15.
Belt fasteners. Flexible Steel Lacing Company. 188,192–4; Jan. 15.
Fence, Wire. Keystone Steel & Wire Company. 189,220–6; Jan. 15.
Hinges, sash lifts, door hangers, etc. Van Camp Hardware & Iron Company. 187,555; Jan. 15.
Hinges, Vehicle door. English & Mersick Co. 188,398; Jan. 15.
Shingle attaching devices. J. A. Topping. 187,497; Jan. 15.
Towel bars, glass shelves, toilet-paper holders, etc. Strauss Manufacturing Co. 188,576; Jan. 15.
Wire, nails, etc., Barbed and bright. Pittsburgh Steel Co. 188,801; Jan. 15.
Wire, Reeled or spooled barbed. Keystone Steel & Wire Company. 189,218–19; Jan. 15.

CLASS 14.

Alloy, Platinum. Lelong-Kendick Company. 187,748; Jan. 15.
Alloys, Metal. Lelong-Kendick Company. 187,320; Jan. 15.
Forgings. Mueller Metals Company. 186,068; Jan. 15.
Metal and metal alloys, Nonferrous. Riverside Metal Company. 183,943; Jan. 15.
Soldering compound for enameled ware, aluminum ware, etc. Electro Manufacturing Co. 186,359; Jan. 15.
Wire, wire rods, and hoop, band, and strip steel, Galvanized, etc. Pittsburgh Steel Co. 188,132; Jan. 15.

CLASS 15.

Oils, cup greases, and gasoline, Lubricating. McWade Merchandise Corporation. 189,131; Jan. 15.

CLASS 16.

Paint, varnish stain, paint oil, enamel. Colonial Works. 188,665; Jan. 15.
Paints and paint enamels. Farmastic Company. 188,412; Jan. 15.
Paints, Prepared. Paint Products Company. 188,769; Jan. 15.
Polish. L. J. Wertheimer. 186,402; Jan. 15.

CLASS 17.

Tobacco, Smoking. S. S. Pierce Co. 174,856; Jan. 15.

CLASS 19.

Automobiles. J. Keller, jr. 184,670; Jan. 15.
Rubber heels and lifts for heels for boots, etc. J. Pietsuch. 177,571; Jan. 15.
Trucks, Motor-driven dump. Greenville Mfg. Company. 186,786; Jan. 15.
Wheels, Rims for vehicle. Tire and Rim Association of America. 186,573; Jan. 15.

CLASS 21.

Curling and soldering irons, percolators, etc., Electric. Electrahot Appliances, Inc. 188,235; Jan. 15.
Electric cells. Société Anonyme Le Carbone. 186,768; Jan. 15.
Radio equipment. A. H. Miller. 187,634; Jan. 15.

CLASS 22.

Fishing line. Enterprise Manufacturing Company. 188,799–800; Jan. 15.
Fishing line. Enterprise Manufacturing Company. 188,803; Jan. 15.
Fishing line. Enterprise Manufacturing Company. 188,817; Jan. 15.
Fishing line. Enterprise Manufacturing Company. 188,819–20; Jan. 15.
Fishing line. Enterprise Manufacturing Company. 188,827; Jan. 15.
Fishing line. Enterprise Manufacturing Company. 188,831–2; Jan. 15.
Fishing lines, Enameled silk. Cortland Line Co. 184,381; Jan. 15.
Game, Net. C. T. Shaffer. 188,864; Jan. 15.
Game, Table board. P. McBride. 181,327; Jan. 15.
Minnows, Artificial. Enterprise Manufacturing Company. 188,829; Jan. 15.
Spears, Prog. Enterprise Manufacturing Company. 188,804; Jan. 15.
Toys—viz, tricycles. P. H. Brandes. 181,670; Jan. 15.

CLASS 23.

Adzes, axes, bush hooks, etc. Kelly Axe Mfg. Co. 186,124; Jan. 15.
Automotive vehicles, Hitches for. Trail-It Company. 187,358; Jan. 15.
Bit holders, Allen Wrench & Tool Co. 185,910; Jan. 15.
Engines, Oil. Davenport Mfg. Co. 187,801; Jan. 15.
Fence stretcher and single-wire stretchers. Pittsburgh Steel Co. 188,131; Jan. 15.
Heat exchangers, distillers, and evaporators. Griscom-Russell Company. 187,519; Jan. 15.
Knives, scissors, razors, etc. R. A. Herder. 181,070; Jan. 15.
Mower blades, Lawn-. Stemolin Corporation. 188,177; Jan. 15.
Piston pins, poppet valves for automobiles. Security Manufacturing Company. 182,677; Jan. 15.
Pumps, Power. Deming Company. 169,476; Jan. 15.
Rakes. J. F. Macdonald. 187,901; Jan. 15.
Screw drivers. H. D. Smith & Company. 188,345; Jan. 15.
Sealing and stamping machines and sealing machines, Combined. Mailometer Company. 187,331; Jan. 15.
Tools, machines, and parts thereof. United Shoe Machinery Corporation. 188,735; Jan. 15.
Tools used in cutting circular holes in metal, etc. Miesner & Irving Mfg. Co. 177,590; Jan. 15.
Tire irons. F. Morris. 187,062; Jan. 15.
Vacuum cleaners and parts thereof. R. P. Sweeny. 185,851; Jan. 15.

CLASS 26.

Beakers, flasks, test tubes, etc. Corning Glass Works. 188,987; Jan. 15.
Hydrometers. S. D. Wells. 188,728; Jan. 15.
Picture film, Motion-. Kodascope Libraries, Inc. 187,870; Jan. 15.
Picture projection, Lamps for motion-. Warren Products Company. 187,597; Jan. 15.
Picture projectors and projecting outfits, Motion-. Eastman Kodak Company. 187,862; Jan. 15.
Pyrometers, Radiation. Siemens & Halske, A. G. 187,592; Jan. 15.
Steel-condition-determining apparatus. Denver Rock Drill Mfg. Co. 186,417; Jan. 15.
Steering devices, Automatic. Sperry Gyroscope Company. 188,126; Jan. 15.
Thermometers, binoculars, field glasses, etc. American Thermo-Ware Company. 188,146; Jan. 15.

CLASS 29.

Brushes, Artists'. M. Grumbacher. 189,115; Jan. 15.
Brushes, Artists'. M. Grumbacher. 189,119–21; Jan. 15.

CLASS 30.

Pottery. Plateelbakkerij "Zuid-Holland." 188,926; Jan. 15.

CLASS 32.

Bed springs. Dutton & Company. 189,042; Jan. 15.
Cabinets, Dining table. W. L. Campbell. 188,042; Jan. 15.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chairs. Concord Colonial Chair Company. 186,047; Jan. 15.
Mattresses, pillows, cushions, and box springs. Burton-Dixie Corporation. 189,150; Jan. 15.
Mirrors. California Glass & Paint Company. 175,382–3; Jan. 15.
Table, Electrically-equipped serving. Nichols Electric Furniture Company. 188,855–6; Jan. 15.
Tables, tea wagons, stands, etc. American Furniture Novelty Co. 182,638; Jan. 15.

CLASS 33.

Lamp chimneys and reservoirs. Standard Oil Company of New York. 188,386; Jan. 15.

CLASS 34.

Burners. Elektrizitatswerk Lonza. 183,700; Jan. 15.
Heating and ventilating apparatus. Tuttle & Bailey Manufacturing Company. 168,438; Jan. 15.
Oil burners and burner apparatus. Wade Hill Manufacturing Co. 186,308; Jan. 15.

CLASS 35.

Tires and rubber inner tubes therefor. Hexagon Tire Co. 187,052; Jan. 15.

CLASS 36.

Violins and similar musical instruments, Strings for. William Lewis & Son. 188,212; Jan. 15.

CLASS 37.

Paper, Printing. S. D. Warren Company. 187,651; Jan. 15.
Paper, Toilet. United States Envelope Company. 183,864; Jan. 15.
Paper, Toilet. United States Envelope Company. 183,864; Jan. 15.
Pencils, Lead. Eberhard Faber Pencil Company 188,184; Jan. 15.

CLASS 38.

Circulars, Weekly. J. A. Leeka. 186,795; Jan. 15.
Lessons, Correspondence. Coyne Trade & Engineering School. 186,829; Jan. 15.

CLASS 39.

Apparel, Wearing. Marinette Knitting Mills. 186,282; Jan. 15.
Bathing suits, sweater coats, jersey coats, etc. Guiterman Bros., Inc. 188,505; Jan. 15.
Bloomers. Hochberg Bros. 188,680; Jan. 15.
Boots and shoes. Hillsboro Shoe Co. 178,102; Jan. 15.
Boots and shoes, Leather. Bettmann-Dunlap Company. 181,008; Jan. 15.
Coats. Sperling & Sperling. 183,001; Jan. 15.
Coats and jackets. S. Neumann. 187,757; Jan. 15.
Coats, Knitted sport. Hill & Dale Distributing Co. 184,666; Jan. 15.
Coats, suits, etc., Women's. Karp, Roth & Lohren. 184,076; Jan. 15.
Collars, cravats, hosiery, belts, etc. Washington Shirt Co. 187,361; Jan. 15.
Corsets, brassières, etc. Kops Bros. Inc. 187,747; Jan. 15.
Dresses, corsets, tailored suits, etc. Franklin Simon & Co. 186,225; Jan. 15.
Dry goods. Shepard Company. 185,845; Jan. 15.
Garments, Knitted outer and under. D. Nusbaum & Co. 167,140; Jan. 15.
Hats, Girls'. Brodin Millinery Company. 173,167; Jan. 15.
Heels, Wood. Williamsburg Wood Heel Co. 181,359; Jan. 15.
Hosiery. H. Adler & Bro. 187,146; Jan. 15.
Hosiery. H. Barnowitz. 188,624; Jan. 15.
Hosiery. Finery Silk Stocking Co. 181,523; Jan. 15.
Hosiery. Southern Hosiery Company. 188,101; Jan. 15.
Hosiery. J. R. Wardlaw. 188,347; Jan. 15.
Hosiery. R. H. Whitehead. 188,353; Jan. 15.
Hosiery and underwear. E. M. Townsend & Co. 188,342–4; Jan. 15.
Hosiery, Silk. Blauner's. 188,088; Jan. 15.
Hosiery, underwear, etc. Beacon Merchandise Co. 185,404; Jan. 15.
Hosiery, underwear, gloves, etc. James B. Haines & Sons Company. 188,552–3; Jan. 15.
Lingerie. J. D'Etreillis. 187,859; Jan. 15.
Lingerie, gymnasium bloomers, and underwear. Jean Garment Company. 181,283; Jan. 15.
Nightgowns, dresses, and aprons. Rosenberg & Kronenberg. 186,930; Jan. 15.
Outerwear, Knitted. Dutchess Knitting Mills. 167,849; Jan. 15.
Overalls. D. M. Oberman Manufacturing Company. 183,664; Jan. 15.
Overalls, pants, shirts, etc. Helena Wholesale Dry Goods Company. 188,267; Jan. 15.
Pants, coats, hats, boots, and shirts. Hicks-Hayward Co. 186,427; Jan. 15.

Rubber soles and heels. Endicott Johnson Corporation. 181,017; Jan. 15.
Shirts. H. Berger. 176,248; Jan. 15.
Shirts, Men's. J. C. Penney Company. 187,342; Jan. 15.
Shirts, pyjamas, overcoats, etc., Men's. Burnham, Stoepel & Company. 178,710; Jan. 15.
Shoes. Everbest One-Piece Shoe Co. 186,820; Jan. 15.
Shoes. Melanson Shoe Co. 177,504; Jan. 15.
Shoes and felt slippers, Leather. Julius Goldstein & Sons. 185,335; Jan. 15.
Shoes, Children's leather. International Shoe Company. 184,465; Jan. 15.
Shoes, Leather. Keehn Brothers. 185,829; Jan. 15.
Shoes, Men's leather. Clinton Shoe Manufacturing Company. 186,104; Jan. 15.
Shoes, Men's leather. International Shoe Company. 184,459; Jan. 15.
Shoes, Men's leather. International Shoe Company. 184,464; Jan. 15.
Shoes, Women's leather. International Shoe Company. 184,460; Jan. 15.
Stockings. A. F. Parsil. 187,954; Jan. 15.
Suits and coats, bathing suits, etc., Knitted. Wiley-Bickford-Sweet Company. 155,983; Jan. 15.
Suits and overcoats, Men's outer. Silberg Bros. 186,859; Jan. 15.
Suits, coats, vests, trousers, Men's. Michaels, Stern & Co. 184,508; Jan. 15.
Sweaters and bathing suits. Poppy Knitting Mills. 185,672; Jan. 15.
Sweaters, sacks, bootees, etc., Infants' and children's knitted. J. J. Sternberg & Co. 185,907; Jan. 15.
Ties, cravats, etc. Friedman Bros. & Sons Neckwear Co. 186,987; Jan. 15.
Topcoats, raincoats, overcoats, suits. Alligator Clothing Company. 187,447; Jan. 15.
Undergarments, Ladies'. M. H. Rosenberg. 188,706; Jan. 15.
Underwear and furnishings. Goldman Costume Company. 187,283; Jan. 15.
Underwear, hose, etc. Winship, Boit & Company. 187,364; Jan. 15.
Underwear, skirts, sweaters, hosiery, Knit. E. L. Marshall. 187,753; Jan. 15.

CLASS 40.

Snap fasteners on cards. Waldes & Co. 186,338; Jan. 15.

CLASS 42.

Cotton and silk and cotton textiles, Bleached and piece-dyed. Clarence Whitman & Son, Inc. 186,512; Jan. 15.
Cotton piece goods. Bradford Dyers' Association Limited. 188,582–3; Jan. 15.
Cotton piece goods. Cohn Hall Marx Co. 187,454; Jan. 15.
Cotton piece goods. Minot, Hooper & Co. 188,691; Jan. 15.
Cotton piece goods. Wilton Manufacturing Company. 188,083–4; Jan. 15.
Fabrics in the piece, Pile. Salt's Textile Manufacturing Company. 150,115; Jan. 15.
Ginghams in the piece. S. L. Hoffman. 182,212; Jan. 15.
Hair nets. N. B. Cohen & Bro. 188,297; Jan. 15.
Handkerchiefs and hair nets. Van Vleet-Mansfield Drug Co. 186,728; Jan. 15.
Silk and cotton madras in the piece, Artificial. Currie & Stege. 188,535; Jan. 15.
Silk crêpes in the piece. Travis, Romaine & Jelle, Inc. 186,806; Jan. 15.
Silk piece goods. Robinson Silk Company. 188,254; Jan. 15.
Silks and dress goods, piece goods. E. H. Behrens & Co. 188,521; Jan. 15.
Woolen piece goods. Detmer, Bruner & Mason, Inc. 188,151; Jan. 15.
Worsted piece goods. Dormeuil Freres. 187,514; Jan. 15.
Woolen piece goods. Forstmann & Huffmann Company. 187,932; Jan. 15.
Woolen piece goods. Forstmann & Huffmann Company. 187,934; Jan. 15.

CLASS 43.

Yarn, Combination. P. B. Hart. 185,825; Jan. 15.

CLASS 44.

Sanitary napkins. M. Miller. 188,374; Jan. 15.
Thermometers, hypodermic needles and syringes, etc., Clinical. Joseph J. Kleiner & Co. 168,531; Jan. 15.
Tooth filling, Medicated. H. H. Shapiro. 188,714; Jan. 15.
Toothpicks. E. Puigdengolas. 179,552; Jan. 15.

CLASS 46.

Biscuits. Loose-Wiles Biscuit Company. 188,020; Jan. 15.
Bread. Mueller Baking Co. 188,692; Jan. 15.
Bread. New England Bakery Company. 176,031; Jan. 15.
Bread. Carl Sulzer & Company. 188,281; Jan. 15.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bread and cake. Ward Baking Company. 185,734; Jan. 15.
Bread, butter, ice cream. W. P. Heath. 167,614; Jan. 15.
Butter. A. N. Anderson. 187,842; Jan. 15.
Butter. General Butter Corporation. 188,238; Jan. 15.
Butter. Swift and Company. 189,079–80; Jan. 15.
Cake. Davis-Reece Company. 175,980; Jan. 15.
Cake, Fruit. L. Simon. 186,806; Jan. 15.
Canned peaches. H. Jones & Co. 171,850; Jan. 15.
Canned sardines. Swan Burger, Inc. 182,084; Jan. 15.
Cheese. J. L. Kraft & Bros. Co. 188,315; Jan. 15.
Cheese. G. Lehmann. 183,927; Jan. 15.
Cheese and salt meat (sausage). Bianchi, Salvaterra & Co. 173,620; Jan. 15.
Chili sauce, tomato catchup, etc. S. S. Pierce Co. 185,719; Jan. 15.
Coffee. Independent Coffee Company. 186,908; Jan. 15.
Cookies. B. H. Busche. 185,361; Jan. 15.
Crackers, cakes, and biscuit. Hoyt's Consumers Cracker & Biscuit Corporation. 184,075; Jan. 15.
Dates. Pask, Cornish & Smart. 175,807; Jan. 15.
Doughnuts and crullers, Homemade. Doolittle New England Doughnut Co. 187,861; Jan. 15.
Eggs. Beatrice Creamery Company. 187,789–90; Jan. 15.
Eggs. Washington Co-Operative Egg & Poultry Association. 187,359; Jan. 15.
Feed, Poultry. Bowley Mills. 187,452; Jan. 15.
Feeds. Sunny South Grain Company. 183,949–50; Jan. 15.
Feeds and feedstuffs. Quisenberry Feed Mf'g Co. 187,126; Jan. 15.
Flour and corn meal, Wheat. McKenzie Milling Co. 189,060; Jan. 15.
Flour, corn meal, etc., Graham, rye, and wheat. Wolf Milling Company. 186,261; Jan. 15.
Flour, Wheat. Abilene Flour Mills Company. 169,522; Jan. 15.
Flour, Wheat. Barber Milling Company. 188,880; Jan. 15.
Flour, Wheat. Centennial Mill Company. 183,906; Jan. 15.
Flour, Wheat. Collin County Mill & Elevator Co. 185,896; Jan. 15.
Flour, Wheat. Colorado Milling & Elevator Co. 188,471; Jan. 15.
Flour, Wheat. Colorado Milling & Elevator Co. 189,035; Jan. 15.
Flour, Wheat. Duluth Superior Milling Company. 176,609; Jan. 15.
Flour, Wheat. Great Atlantic & Pacific Tea Company. 186,503; Jan. 15.
Flour, Wheat. Jos. Loudenslager Flour Mills. 188,490; Jan. 15.
Flour, Wheat. Oklahoma Mill Co. 188,968; Jan. 15.
Flour, Wheat. Southwestern Milling Company. 188,279; Jan. 15.
Flour, Wheat. Wallace Milling Company. 186,814; Jan. 15.
Flour, wheat bran and shorts, and corn meal, Wheat and Graham. New Era Milling Company. 186,521; Jan. 15.
Food, Stock. Central Western Feeding Molasses Company. 186,314; Jan. 15.
Fruits and fresh grapes, Fresh citrous and deciduous. Lindsay Farm Bureau Fruit Association. 187,167; Jan. 15.
Meal, grits, and corn flour, Corn. Black & White Milling Company. 186,410; Jan. 15.
Milk, Evaporated. F. Maher. 187,330; Jan. 15.
Oil, Olive. A. Corrao. 171,904; Jan. 15.
Oil, Olive. Lopez & Co. 186,281; Jan. 15.
Oil, Olive. Milano Bros. 186,516; Jan. 15.
Oil, Salad. Achille Starace & Co. 180,817; Jan. 15.
Oleomargarine. Ed. S. Vail Butterine Co. 188,169–74; Jan. 15.
Pastry containers for ice cream, etc. Choco-Ice Company. 178,091; Jan. 15.
Salad dressing. Henard Mayonnaise Company. 187,214; Jan. 15.
Sandwiches. H. E. Thornberry. 183,010; Jan. 15.
Soup. Glenwild Hotel & Farms, Inc. 157,094; Jan. 15.
Vinegar-clarifying material. Takamine Laboratory, Inc. 184,481; Jan. 15.

CLASS 50.

Lasts, blind awnings, rat traps, etc., Shoe. Lansburgh & Bro., Inc. 173,900; Jan. 15.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Donald B., Auburn, Me. Moccasin. 1,480,978; Jan. 15.
Adams, John, New York, N. Y. Clothesline. 1,481,077; Jan. 15.
Adams, Hugh R. (See Stattmann, Walter A., assignor.)
Adams, Ralph G., Fullerton, Calif. Lubricating-oil dispenser. 1,480,849; Jan. 15.
Advance-Rumely Company. (See Secor, John A., assignor.)
Adams, Thomas O. (See Wise, W. J., and Adams.)
Ainslie, Thomas D., Metuchen, N. J., and R. M. Levy, Brooklyn, assignors to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacture of articles from woven goods. 1,480,541; Jan. 15.
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Sioux City, Iowa. Flexible shafting. 1,481,078; Jan. 15.
Allen, Arthur W., and A. E. Koshell, Sacramento, Calif. Automobile jack and shifter. 1,480,850; Jan. 15.
Aluminium-Industrie-Aktiengesellschaft. (See von Zeerleder, Alfred, assignor.)
Aluminum Seal Company. (See Shull, Frederick G., assignor.)
Alvarez, Ildeberto J., New York, N. Y. Pendant mirror. Des. 63,765; Jan. 15.
American Colortype Company of Illinois. (See Stone, Howard R., assignor.)
American Grinder Company. (See Ott, Conrad L., assignor.)
American Lithographic Company. (See Schoder, C. E., and Troeger, assignors.)
American Optical Company. (See De Grenier, Octave, assignor.)
American Safety Razor Corporation. (See Beardsley, Charles E., assignor.)
American Stove Company. (See Munzner, Charles, assignor.)
American Telephone and Telegraph Company. (See Hitchcock, Harry W., assignor.)
American Telephone and Telegraph Company. (See Jacobs, Oliver B., assignor.)
American Thread Company, The. (See Snyder, R. V., and Curry, assignors.)
American Welding & Mfg. Company. (See Evans, Lloyd L., assignor.)
Ames Shovel & Tool Company. (See Larson, Nils G., assignor.)
Anderson, John. (See Burns, J. H., and Anderson.)
Anderson, Theiman, Demarest, N. J. Saw set. 1,481,175; Jan. 15.
Angel International Corporation. (See Stanley, Irving, assignor.)
Anglada, Domingo, New York, N. Y., assignor to Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Acetylene generator. 1,481,079; Jan. 15.
Anschütz & Co. (See Schuler, Max, assignor.)
Anthony, James T., New York, N. Y. Washing machine. 1,481,115; Jan. 15.
Arnold Electric Company. (See Poplawski, Stephen J., assignor.)
Arnold, Harry S. (See Wilson, R. C., and Arnold.)
Ashby, Theodore J., Perryville, Ark. Oil-well apparatus. 1,481,114; Jan. 15.
Ash Grove Lime & Portland Cement Co. (See Barton, William H., assignor.)
Ashley, Frank R., Denver, Colo. Shock-absorbing device for gates. 1,480,649; Jan. 15.
Ashton Valve Company, The. (See Hudson, William S., assignor.)
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,481,080; Jan. 15.
Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,481,081; Jan. 15.
Ayres, Elwood B., and T. H. Rhoads, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Machine for drying and conditioning material. 1,481,116; Jan. 15.
Azor Motor Manufacturing Company, The. (See Hoff, Earl B., assignor.)
Babcock & Wilcox Company, The. (See Bronold, Johannes, assignor.)
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Bacon, William D., Wellington, New Zealand. Means for preventing the turning of cylinder and the like locks. 1,480,650; Jan. 15.
Bagby, Robert T., assignor of one-half to E. M. Kilby, Birmingham, Ala. Crossover mine switch. 1,480,739; Jan. 15.
Bailey, Charles G., York, Pa. Camera support. 1,480,651; Jan. 15.
Baker, Gilbert L., Oakdale, Calif. Permutation lock for automobiles. 1,480,590; Jan. 15.
Baker R & L Company, The. (See Stahl, Edward J., assignor.)
Bakesef, Samuel, and H. H. Epstein, Los Angeles, Calif. Collapsible hammock. 1,480,591; Jan. 15.
Baldinger, Louis, Brooklyn, N. Y. Combined clock case and electric lamp. Des. 63,766; Jan. 15.
Ball, Esar-Haddon, St. Paul, Minn. Reenforcing plate and template for switch boxes. 1,481,117; Jan. 15.
Bankson, William R., Ross Township, Allegheny County, Pa. Gravity conveyer. 1,481,176; Jan. 15.
Banner, Otto A., Milwaukee, Wis. Reversing gear for internal-combustion engines. 1,480,979; Jan. 15.
Barber Asphalt Company. (See Browne, Frank A., assignor.)
Bardin, David B. (See McClenny, R. J., and Bardin.)
Barkschat, Henry A., Los Angeles, Calif. Making and curing hollow concrete bodies. 1,480,740; Jan. 15.
Barlow, Lester P., New Haven, Conn., assignor to S. O. Edmonds, New York, N. Y. Disk sound record. 1,480,980; Jan. 15.
Baron, Barney A., and E. M. Pofcher, Los Angeles, Calif. Nut-lock wrench. 1,480,811; Jan. 15.
Barr, Frank H., Washington, D. C. Implement for turning lens rims. 1,480,653; Jan. 15.
Barrett Company, The. (See Gould, David F., assignor.)
Bartlett, Samuel J., Barry Dock, Wales. Glass-cutting table. 1,480,875; Jan. 15.
Barton, William H., Springfield, Mo., assignor to Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Barrel heater. 1,480,981; Jan. 15.
Baum, Frank A., Hamilton, Ohio. Caster. 1,480,851; Jan. 15.
Bauman, Arthur E., Akron, Ohio. Vehicle tire tread or similar article. Des. 63,767; Jan. 15.
Bayard, Laurence and W. J., New Iberia, La. Apparatus for destroying water lilies or like marine growths. 1,481,177; Jan. 15.
Bayard, William J. (See Bayard, Laurence and W. J.)
Bayrer, Louis G., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Counterbalancing mechanism. 1,480,592; Jan. 15.
Bazan, Guillermo R. Z., Moron, Cuba. Loader for revolvers. 1,480,812; Jan. 15.
Beard, Clarence M., Berkeley, Calif. Garden-hose support. 1,480,982; Jan. 15.
Beardsley, Charles E., Waterbury, Conn., assignor, by mesne assignments, to American Safety Razor Corporation, Brooklyn, N. Y. Box. 1,480,654; Jan. 15.
Beck, Albert, Chicago, Ill., assignor to McGill Metal Products Company. Auxiliary coin support for coin tubes. 1,480,983; Jan. 15.
Becker, Howard I., Schenectady, N. Y., assignor to General Electric Company. High-frequency receiving system. 1,480,891; Jan. 15.
Bell, Robert, Chicago, Ill. Apparatus for and method of reducing boiled vegetables to mashed form. 1,480,984; Jan. 15.
Bem, Joseph P., Fresno, and J. K. Tuttle, Oakland, assignors to Pacific Pitting Machine Company, Inc., Fresno, Calif. Peach pitter. 1,480,802; Jan. 15.
Benedek, Alfred, New York, N. Y. Rubber bath mat. Des. 63,768; Jan. 15.
Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors to National Carbon Company, Inc. Electric battery. 1,481,178; Jan. 15.
Bennis, Stephen, East Williston, N. Y. Container for phonographic needles. 1,481,082; Jan. 15.
Bennett, George E., Corry, Pa. Fishing float. 1,480,655; Jan. 15.
Bennett, Robert L., New York, N. Y. Fuel mixer. 1,481,118; Jan. 15.

Bergen Point Iron Works. (See Smith, Augustus, assignor.)
Berger, Joseph, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Presser foot for sewing machines. 1,480,593; Jan. 15.
Berger, Ollie J., Grand Rapids, Mich., assignor to Universal Knitting Machine Company, Lima, Ohio. Knitting-machine construction. 1,480,926; Jan. 15.
Berger, Richard, assignor to the Firm F. Soennecken, Bonn-on-the-Rhine, Germany. Mounting for paper rollers of copying machines. 1,480,927; Jan. 15.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Commutator dynamo-electric machine. 1,480,892; Jan. 15.
Berry, Terrie, Mount Hope, N. J. Agricultural implement. 1,480,876; Jan. 15.
Bianco, Peter, New York, N. Y. Decanter. Des. 63,769; Jan. 15.
Bickell, George H. (See Durbin, V., and Bickell.)
Binks, Harry D., River Forest, Ill. Spray appliance. 1,480,594; Jan. 15.
Bird, Charles S., East Walpole, Mass. Wad for shot shells or cartridges. 1,480,595; Jan. 15.
Bishop, Howard B., Summit, N. J. Aluminum compound. 1,480,928; Jan. 15.
Bittner, Joseph R., assignor to Griffith Tool Works, Philadelphia, Pa. Spreader structure. 1,480,985; Jan. 15.
Blackburn, Jasper, Webster Groves, Mo. Electrical connection for automobiles. 1,480,656; Jan. 15.
Blanke, Cyrus F., St. Louis, Mo. Coffeepot. 1,480,657; Jan. 15.
Blickfeldt, Andrew, Central Falls, R. I. Coin holder. 1,480,877; Jan. 15.
Blood, Harold L., North Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Work-support-positioning means for gear-generating machines. 1,480,598; Jan. 15.
Blumenthal, Maurice, Brooklyn, N. Y. Means for and method of producing concrete piles. 1,480,878; Jan. 15.
Boedtcher, Frans A., Bergenfield, N. J. System for controlling the operation of elevators. 1,481,119; Jan. 15.
Bono, Evan P., Cincinnati, Ohio. Motor vehicle headlamp. 1,480,803; Jan. 15.
Boone, Albert, Sawtelle, Calif. Manifold lock. 1,480,813; Jan. 15.
Boonstra, Benjamin. (See Weinman, William, assignor.)
Booth, Lionel B., Cambridge, England. Objective for photographic and like purposes. 1,480,929; Jan. 15.
Bostock, William F., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of wooden articles. 1,480,658; Jan. 15.
Boughton, Solon J., assignor to Industrial Research Corporation, Toledo, Ohio. Laundry machine. 1,481,179; Jan. 15.
Bourgard, Prosper, Dolhain, Belgium. Free-wheel and brake hub for bicycles. 1,481,046; Jan. 15.
Bourn, Stephen W., Providence, R. I. Stop motion for flexible-tube-making machines. 1,480,741; Jan. 15.
Bowler, William J., assignor to Dennison Manufacturing Company, Framingham, Mass. Photo mount. 1,480,879; Jan. 15.
Bowlus, Henry C., Springfield, Ohio. Stop and drain valve for hose lines or the like. 1,481,180; Jan. 15.
Brackett, Quincy A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Signaling system. 1,480,659; Jan. 15.
Breen, Lot P. (See Shane, George H., assignor.)
Brennan, James S., Attleboro, Mass. Ornamental cross. 1,480,880; Jan. 15.
Breslove, Joseph, Pittsburgh, Pa. Control mechanism for stokers. 1,480,660; Jan. 15.
Briggs, Dorrell D., Los Angeles, Calif. Concrete building block. 1,480,986; Jan. 15.
Bright, William F., and G. Schneider, East St. Louis, Ill. Toothbrush rack. 1,480,814; Jan. 15.
Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Chart-holding device for recorders. 1,481,047; Jan. 15.
Britt, George Q., Memphis, Tenn. Tool holder. 1,480,987; Jan. 15.
Bronold, Johannes, Stelermuhle, Germany, assignor to The Babcock & Wilcox Company, New York, N. Y. Mechanical stoker for forced-draft furnaces. 1,480,988; Jan. 15.
Bromboez, Frank, Buffalo, N. Y. Identification card and holder. 1,481,120; Jan. 15.
Brooker, Howard H., New York, N. Y. Lock for gasoline tanks for automobiles. 1,480,989; Jan. 15.
Brooks, Clinton H., Nickerson, Kans. Gate-closing device. 1,481,181; Jan. 15.
Brooks, Morris, assignor to The Lifton Mfr. Co., New York, N. Y. Brief bags. 1,481,182; Jan. 15.
Brown, A. & F., Company. (See Woodward, Arthur C., assignor.)
Brown and Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
Brown, Christopher, Charlerol, Pa., assignor to Pittsburgh Plate Glass Company. Polishing glass. 1,480,542; Jan. 15.
Brown, Francis H., Glen Olden, Pa. Differential-pressure responsive device. 1,480,661; Jan. 15.
Browne, Frank A., Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa. Producing bituminous shingles and the like. 1,481,183; Jan. 15.
Brueck, Theodore M., assignor to Ilex Optical Company, Rochester, N. Y. Adjusting mechanism. 1,480,990; Jan. 15.
Buch, Max A., Coventry, England. Body for motor vehicles. 1,481,048; Jan. 15.
Buchenberg, Alvin E., assignor to Industrial Research Corporation, Toledo, Ohio. Current regulation. 1,481,184; Jan. 15.
Buchman, Emil. (See Stein, J. W., and Buchman.)
Buckeye Brass and Manufacturing Company, The. (See Selker, Harry, assignor.)
Buckeye Steel Castings Company, The. (See Orr, C. L., and Johnson, assignors.)
Bufford, George W., Buffalo, assignor to J. H. Williams & Co., Brooklyn, N. Y. Pipe vise. 1,480,881; Jan. 15.
Bühler, Adolf, Sonnenhugel, assignor to the Firm Gebrüder Bühler, Uzwil, Switzerland. Cylinder mill. 1,480,893; Jan. 15.
Bullard, Minnie A., Waverley, Mass. Support. 1,480,930; Jan. 15.
Burch Plow Works Company, The. (See Latture, James L., assignor.)
Burke, Thomas R., Washington, D. C. Valve shield. 1,480,852; Jan. 15.
Burns, Jane H., and J. Anderson, Middletown, Conn. Thread holder and cutter. 1,481,185; Jan. 15.
Burris, Fletcher B., Minneapolis, Minn. Snowplow. 1,480,662; Jan. 15.
Busch, Mathias C., and C. E. Thommes, St. Paul, Minn. Combination tool. 1,481,186; Jan. 15.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Mount for third or fourth point supports for brake beams. 1,480,742; Jan. 15.
Bynum, King E., Fellows, Calif. Overshot. 1,480,815; Jan. 15.
Byron, Charles L. (See Dorais, Samuel, assignor.)
Byron, Charles L., trustee. (See Martin, George W., assignor.)
Caine, Ansel M., New Orleans, La. Fountain scrubbing machine. 1,480,662; Jan. 15.
Caldwell & Drake Iron Works. (See Clay, James S., assignor.)
Campbell, Lorn, jr., Minneapolis, Minn. Acetylene-gas generator. 1,480,597; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,770; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,771; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,772; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,773; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,774; Jan. 15.
Cameron, Thomas C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combination cornice and pilaster for store furniture. Des. 63,775; Jan. 15.
Camporini, Augustine G., Chicago, Ill. Shock absorber. 1,480,663; Jan. 15.
Carleton, Robert A. (See Hadley, F. V., and Carleton.)
Carrier, Paul S., Edgewood, assignor to G. H. Willey, Providence, R. I. Cuff button. 1,481,083; Jan. 15.
Carlson, Edwin, Minneapolis, Minn. Enter lock for elevators. 1,481,121; Jan. 15.
Carson, George C., San Francisco, Calif. Preventing sulphur dioxide in smelter gases. 1,480,743; Jan. 15.
Cason, Henry, St. Louis, Mo. Trailer. 1,481,049; Jan. 15.
Casto, Charles W., Washington, Pa. Plug for glass machines. 1,480,991; Jan. 15.
Chamberlain, Floyd L., Waterloo, Iowa. Clothes wringer. 1,480,744; Jan. 15.
Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
Chapman, Roy. (See Reddick, J. J., and Chapman.)
Chapman, Thomas L., Bondsville, assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,480,931; Jan. 15.
Chaplin-Fulton Manufacturing Company, The. (See McKee, William, assignor.)
Chemische Fabrik Griesheim-Elektron. (See Thomas, Felix, assignor.)
Chesterman, Dana L. and F. E., Philadelphia, Pa. Herniel truss. 1,481,238; Jan. 15.
Chesterman, Frank E. (See Chesterman, Dana L. and F. E.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chipman, Harry E., New Haven, Conn., assignor to W. A. Chipman and H. H. Chipman, New York, N. Y. Talking-picture transfer mechanism. 1,480,992; Jan. 15.
Chipman, Harry E., New Haven, Conn., assignor to W. A. Chipman and H. H. Chipman, New York, N. Y. Electric-motor-circuit control. 1,480,993; Jan. 15.
Chipman, Howard H. et al. (See Chipman, Harry E., assignor.)
Chipman, William A. et al. (See Chipman, Harry E., assignor.)
Chokas, Philip, Bluefield, W. Va. Stove. 1,480,664; Jan. 15.
Christensen, Frank E., Necedah, Wis. Radiator cap. Des. 63,776; Jan. 15.
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Phase-converting system. 1,480,665; Jan. 15.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balanced phase-converting system. 1,480,666; Jan. 15.
Chuchel, Vaclav, Pittsburgh, Pa. Attachment for gear-shifting and braking mechanism. 1,480,543; Jan. 15.
Church, Ira A., Long Beach, Calif., assignor to L. H. Smith and D. Smith, Fullerton, Calif. Window-sash balance. 1,480,994; Jan. 15.
Cinechrome Instruments, Limited. (See Reed, Percy A., assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Clark, T. B., & Co. (See Moran, William P., assignor.)
Clay, James S., Indianapolis, Ind., assignor to Caldwell & Drake Iron Works, Columbus, Ind. Post-retaining member. 1,481,187; Jan. 15.
Cleworth, Alfred B., Hollinwood, England. Apparatus for treating gases with liquids. 1,481,122; Jan. 15.
Cockburn, Arthur, Johannesburg, Transvaal, South Africa. Tamping plug for use in blasting. 1,480,894; Jan. 15.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heater. 1,480,667; Jan. 15.
Coleman, William C., Wichita, Kans. Oven. 1,480,598; Jan. 15.
Collins, Cap B., Franklin, Pa., assignor to Collins Safety Razors, Chicago, Ill. Spring motor. 1,480,668; Jan. 15.
Collins Safety Razors. (See Collins, Cap B., assignor.)
Colvin, James L., Scranton, Pa. Foot-power brake. 1,480,669; Jan. 15.
Colwell, William W. (See Reddick, J. J., and Chapman, assignors.)
Connell, Harry W., Lowville, N. Y. Differential mechanism. 1,480,995; Jan. 15.
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Continuous Transit Company. (See Putnam, Henry S., assignor.)
Cook, Peter E. D., Brooklyn, N. Y. Flowerpot. Des. 63,777; Jan. 15.
Coppinger, John, Broadview, Mont. Weed-cutting machine. 1,480,996; Jan. 15.
Corbin, Elbert A., jr., Swarthmore, Pa. Condiment holder or salt shaker. 1,480,932; Jan. 15.
Cowdrey, Charles F., Fitchburg, Mass. Brake tester for vehicle wheels. 1,481,123; Jan. 15.
Cowdrey, Charles F., Fitchburg, Mass. Brake-testing device for vehicle wheels. 1,481,124; Jan. 15.
Cowin, Stuart H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-converting and power-factor-control machines. 1,480,670; Jan. 15.
Cox, Albert J., Spokane, Wash. Closure fastener. 1,480,544; Jan. 15.
Cravath, Austin M. (See Cravath, James R. and A. M.)
Cravath, James R. and A. M., Berkeley, Calif. Floor lamp. 1,480,599; Jan. 15.
Crough, Michael, Ilion, N. Y. Safety-razor-blade holder. 1,481,050; Jan. 15.
Crow, Samuel G., et al. (See Tilton, Elvin, assignor.)
Crozier-Straub, Inc. (See Straub, Francis J., assignor.)
Cummings, Hattie L. (See Cummings, Thomas H., assignor.)
Cummings, Thomas H., assignor of one-half to H. L. Cummings, St. Louis, Mo. Automatic lubricator for gasoline engines. 1,480,545; Jan. 15.
Cummiskey, William M., Newark, N. J. Timer. 1,480,546; Jan. 15.
Cuper, Stephen, A. Daniels, and F. Klens, Scranton, Pa. Ice-cream dipper. 1,481,125; Jan. 15.
Cupp, Daniel M., Mount Solon, Va. Chain coupling. 1,481,126; Jan. 15.
Curran, Edward T., Detroit, Mich. Means for varying the temperature of the atmosphere in a chamber. 1,480,671; Jan. 15.
Curry, Malcolm. (See Snyder, R. V., and Curry.)
Curtis, Charles C., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Combined cornice and pilaster for store furniture. Des. 63,778; Jan. 15.
Cutler, Frank W., assignor to Cutler Manufacturing Company, Portland, Oreg. Box press. 1,480,895; Jan. 15.
Cutler Manufacturing Company. (See Cutler, Frank W., assignor.)
Cutshall, Harvey W., assignor to Mudge & Company, Chicago, Ill. Reversible cylinder. 1,480,745; Jan. 15.
Dailey, James A., Milwaukee, Wis. Furniture attachment. 1,480,997; Jan. 15.
Damon, George B., Belvidere, N. J., assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Stack fan. 1,481,188; Jan. 15.
Danforth, Harland A., Lynn, Mass. Shock absorber. 1,481,051; Jan. 15.
Daniels, Anthony. (See Cuper, S., Daniels, and Klens.)
Daniels, Eugene O., Toledo, Ohio. Gas burner. 1,481,189; Jan. 15.
Davey, Wheeler P., Schenectady, N. Y., assignor to General Electric Company. Fluorescent screen. 1,480,896; Jan. 15.
Davidson, Louis, New York, N. Y. Arch. 1,480,882; Jan. 15.
Davis, George H., Richmond, Va. Direction indicator for automobiles. 1,480,816; Jan. 15.
Davis, William W. (See Van Nattan, V. V., and Davis.)
Daykin, Spensley S. (See Sindelar, T. A., and Daykin.)
De Bie, Naomi I., West Medford, Mass. Separable fastener. 1,480,746; Jan. 15.
De Grenier, Octave, assignor to American Optical Company, Southbridge, Mass. Lens cutter. 1,480,600; Jan. 15.
De Iongh, Johan H., Bergen, assignor of one-half to Naamloose Vennootschap Kromhout Motoren Fabriek, D. Goedkoop, jr., Amsterdam, Netherlands. Connection between pistons and their connecting rods. 1,481,052; Jan. 15.
De John, Joseph, Detroit, Mich. Cartridge-firing door lock. 1,480,672; Jan. 15.
Delco-Light Company. (See Kellholtz, Lester S., assignor.)
De Minico, Frank, assignor to Pollard-Alling Manufacturing Company, New York, N. Y. Addressing machine. 1,480,547; Jan. 15.
Demmler, Henry L., Kewanee, Ill. Means for venting core boxes. 1,480,747; Jan. 15.
Demmler, Henry L., Kewanee, Ill. Molding apparatus. 1,480,748; Jan. 15.
Demmler, Henry L., Kewanee, Ill. Molding machine. 1,480,749; Jan. 15.
Demmler, Henry L., Kewanee, Ill. Method of and machine for making molds. 1,480,750; Jan. 15.
De Motte, Frank B., Warrensburg, Ill. Can. 1,480,897; Jan. 15.
Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Method and apparatus for sorting washers. 1,480,898; Jan. 15.
Dennison Manufacturing Company. (See Bowler, William J., assignor.)
De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Device for dispensing paste or like material. 1,480,888; Jan. 15.
Deutsch, Siegfried, Vienna, Austria. Device for regulating the air supply to furnaces of steam boilers. 1,480,673; Jan. 15.
Diamond, Louis, New York, N. Y. Combination bed spring and cabinet. 1,480,853; Jan. 15.
Dictaphone Corporation. (See La Forest, Louis Z., assignor.)
Diescher, S., & Sons. (See Diescher, Samuel E., assignor.)
Diescher, Samuel E., Wilkinsburg, Pa., assignor to S. Diescher & Sons. Drilling well. 1,480,674; Jan. 15.
Dirzuweit, John F., Laurel, assignor of one-half to W. W. Varney, Baltimore, Md. Electric resistor and its manufacture. 1,480,675; Jan. 15.
Dixon, Henry P., Los Angeles, Calif. Disappearing ironing board. 1,480,817; Jan. 15.
Diesk, John, Berwyn, assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Assembling ball bearings. 1,480,998; Jan. 15.
Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Shoe-finishing machine. 1,480,601; Jan. 15.
Dodge, Milton L., Newburyport, Mass. Attaching molded counters to turn shoes. 1,480,602; Jan. 15.
Dodge, Milton L., Newburyport, Mass. Machine for attaching molded counters to turn shoes. 1,480,603; Jan. 15.
Doering, Henry H., Chicago, Ill. Print machine. 1,481,127; Jan. 15.
Dolbear, Samuel H., San Francisco, Calif., assignor to Pneumatic Process Flotation Company, New York, N. Y. Concentrating ores. 1,480,884; Jan. 15.
Dorais, Samuel, Chicago, assignor of one-third to C. L. Byron, Winnetka, Ill. Automatic sprinkler. 1,480,676; Jan. 15.
Doré, Elzear, Laprairie, Quebec, Canada. Attachment for thrashing machines. 1,480,548; Jan. 15.
Dornier, Claudius, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Assemblage point connection in tubular structures. 1,480,854; Jan. 15.
Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
Douglass, Frank E. (See Townsend, W. S., and Douglass.)
Draeger, Charles R. (See Lemke, F. B., and Draeger.)
Dragon Tire & Rubber Corporation. (See Parmet, Meyer, assignor.)
Draper Corporation. (See Chapman, Thomas L., assignor.)

Dreistadt, John, Wilkes-Barre, Pa. Combination bowl and spoon holder. Des. 63,779; Jan. 15.
Dressler, Charles E., New York, N. Y. Blood-pressure recorder. 1,481,084; Jan. 15.
Drop Head Projector Company. (See Fitz, Charles L., assignor.)
Dubilier Condenser & Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation. Terminal connection for condensers. 1,480,604; Jan. 15.
Du Bois, Joseph M., et al. (See Tilton, Elvin, assignor.)
Duchatelet, Ovide, Montreal, Quebec, Canada. Oiling device. 1,481,085; Jan. 15.
Duda, Stanly. (See Wondruschka, J., and Duda.)
Dunkelberger, George L., Billings, Mont. Nursing bottle. 1,480,855; Jan. 15.
Durabilt Steel Locker Co. (See Kaser, Everett D., assignor.)
Durbin, Vernon, Newton, and G. H. Bickell, Brookline, assignors to The Holtzer-Cabot Electric Company, Roxbury, Mass. Speed. 1,481,190; Jan. 15.
Dwight & Lloyd Sintering Company. (See Lloyd, Richard L., assignor.)
Earle, John, Windsor, Ontario, Canada, assignor of one-third to R. Y. Orr, one-third to R. O. McCarthy, and one-third to A. G. McCarthy, Detroit, Mich. Auto tire nonskid device. 1,480,999; Jan. 15.
Eaton Axle & Spring Company, The. (See Elconin, Eli V., assignor.)
Eddy, Glenn H., Chicago, Ill. Publication routing. 1,480,605; Jan. 15.
Edmiston, Hugh C. (See Hassalls, George, assignor.)
Edmonds, Samuel O. (See Barlow, Lester P., assignor.)
Edwards, Le Roy O., East Hampton, N. Y. Fish lure. 1,480,707; Jan. 15.
Elconin, Eli V., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Axle. 1,480,933; Jan. 15.
Electric Arc Cutting & Welding Company. (See Flood, W. H., and Smout, assignors.)
Electric Research Company, The. (See Sethman, George H., assignor.)
Electric Screen Curtain Controls, Inc. (See Szirmay, Charles M., assignor.)
Elliott, Thaddious V., and C. Schaefer, New Brunswick, N. J. Machine for cutting off and threading pipes. 1,481,191; Jan. 15.
Ellsworth, William B., Hudson, Ohio. Piano-action-flange screw and plate holder. 1,480,818; Jan. 15.
Elwell, Franklin H., Chicago, Ill. Spark plug. 1,480,751; Jan. 15.
Emerson, Charles J., Omaha, Nebr. Dental stress breaker. 1,480,549; Jan. 15.
Enochs, Claude D., Minneapolis, Minn. Gear transmission mechanism. 1,480,856; Jan. 15.
Epstein, Harvey H. (See Bakeseef, S., and Epstein.)
Erickson, Petrus, assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Making ball retainers and the like. 1,481,000; Jan. 15.
Ethicus Prompt Treatment Kit, Inc. (See Slade, Charles B., assignor.)
Evans, Leo M., Salt Lake City, Utah. Tire clamping and turning device. 1,481,053; Jan. 15.
Evans, Lloyd L., Cleveland, assignor to The American Welding & Mfg. Company, Warren, Ohio. Electric welding machine. 1,480,752; Jan. 15.
Excel Tool, Die & Machine Corporation. (See Waller, Philip H., assignor.)
Eynon, Thomas, Rock Island, assignor to Williams, White & Company, Moline, Ill. Bolt and nut assembling machine. 1,480,677; Jan. 15.
F. & S. Pitting Machine Co. (See Forrester, J., and Slattery, assignors.)
Falls, William A., assignor to The L. A. Young Industries, Inc., Detroit, Mich. Spring structure. 1,480,753; Jan. 15.
Farbwerke vorm. Meister Lucius Brüning. (See Nuss, Max, assignor.)
Farr, Edward A., assignor to Manning, Bowman & Company, Meriden, Conn. Percolator urn or similar article. Des. 63,780; Jan. 15.
Federal Manufacturing Company. (See Olinger, Thomas, assignor.)
Fellows, Charles E., assignor to Globe Rubber Tire Manufacturing Co., Trenton, N. J. Tire. Des. 63,781; Jan. 15.
Fenton, J. Purington, Atlantic City, N. J. Braided tubular textile mat. 1,481,001; Jan. 15.
Ferris, Henry L., Harvard, Ill., assignor to Hunt, Helm, Ferris & Co. Trunk. 1,481,002; Jan. 15.
Fetters, Charles A., Washington, D. C., assignor to X-lent Company. Reversible sign. 1,480,606; Jan. 15.
Feuerstein, Harold, Great Neck, N. Y. Folding paintbrush. 1,481,192; Jan. 15.
Feucht, Christian O., Brooklyn, N. Y. Car coupling. 1,480,678; Jan. 15.
Film Inspection Machine Company. (See Vidaver, Maxwell, assignor.)
Fischer, Albert C., Chicago, Ill. Producing self-spacing shingles. 1,481,193; Jan. 15.
Fischer, John W., Chatham, Ill. Powder box. 1,481,194; Jan. 15.
Fish, Frederick K., jr., Reno, Nev., assignor, by mesne assignments, to Wood Products and By-Products Corporation. Treating lumber. 1,480,804; Jan. 15.
Fitz, Charles L., assignor to Drop Head Projector Company, Fond du Lac, Wis. Film-reeling mechanism. 1,481,086; Jan. 15.
Flood, Walter H., Tooting, and D. T. Smout, West Dulwich, London, England, assignors to Electric Arc Cutting & Welding Company, Newark, N. J. Electric-arc-welding system. 1,480,857; Jan. 15.
Foans, Andrew B., New York, N. Y. Method and mold for making concrete blocks. 1,481,087; Jan. 15.
Foltan, Louis, New York, N. Y. Shaving brush. 1,480,754; Jan. 15.
Folta, Anthony, Clarkson, Nebr. Toy bank. Des. 63,782; Jan. 15.
Ford, James W., Chicago, Ill. Collapsible toothbrush. 1,480,679; Jan. 15.
Ford, Joseph A., Brooklyn, N. Y. Treating and preserving cherries. 1,480,607; Jan. 15.
Folland, Sidney J., Malad City, Idaho. Door. 1,481,239; Jan. 15.
Forrester, James, and J. S. Slattery, San Francisco, Calif., assignors to F. & S. Pitting Machine Co., Inc. Fruit pitting and slicing machine. 1,480,819; Jan. 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balanced phase-converting system. 1,480,708; Jan. 15.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balanced phase-converting system. 1,480,709; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing system. 1,480,710; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-converting system. 1,480,711; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-converter for single-phase currents. 1,480,712; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-converter system. 1,480,713; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of distribution. 1,480,714; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-converter system. 1,480,715; Jan. 15.
Fortescue, Charles L. G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase-balancing system. 1,480,716; Jan. 15.
Fournier, William L., Seattle, Wash. Brake band. 1,480,717; Jan. 15.
Fowler, Neil A., Indianapolis, Ind., assignor, by mesne assignments, to Wirebounds Patents Company. Wire-bound shipping package. 1,480,718; Jan. 15.
Fox Machine Company. (See Fox, William R., assignor.)
Fox, William R., assignor to Fox Machine Company, Jackson, Mich. Multiple-speed driving mechanism for drilling machines. 1,481,054; Jan. 15.
Foxboro Company, The. (See Bristol, Edgar H., assignor.)
Frahm, Hermann G. C., Hamburg, Germany. Marine vessel. 1,480,934; Jan. 15.
Frank, Harry, and J. Lewis, Fork Ridge, Tenn. Mine-door-operating apparatus. 1,481,128; Jan. 15.
Freedman, Isadore. (See Natkiel H., and Freedman.)
French, George W., Chicago, Ill. Toy. 1,481,129; Jan. 15.
French, Harry F. (See Benner, R. C., and French.)
French, Henry G., and H. J. H. Huber, Schenectady, N. Y., assignors to General Electric Company. Electric switch. 1,480,899; Jan. 15.
Fujiyama, Tsunelchi, Tokyo, Japan. Apparatus for and process of manufacturing nitrogen compounds from carbides. 1,481,088; Jan. 15.
Fullbright, Thomas, assignor to G. Sampt, St. Louis, Mo. Meat-cutting implement or tool. 1,481,055; Jan. 15.
Gadue, Eugene, Winooski, Vt. Power-stick adjuster for looms. 1,481,195; Jan. 15.
Gammal, Charles A. (See Taylor, M. C., Gammal, and Gegenheimer.)
Gammell, Ove L., assignor to Smith and Crosby, Attleboro, Mass. Cuff button. 1,480,755; Jan. 15.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making or manipulating tires. 1,480,719; Jan. 15.
Garcelon, George H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Short-circuiting device. 1,480,720; Jan. 15.
Gardner, Charles W., deceased; by B. F. Gardner, executrix, Austin, Tex. Air valve. 1,480,608; Jan. 15.
Gardner, Elizabeth F., executrix. (See Gardner, Charles W.)
Garrish, George H. (See Stockwell, Bert, assignor.)
Gates, Ernest W., Wrentham, Mass. Guard for cigar Cutters. 1,480,550; Jan. 15.
Gebrüder Bühler, (See Bühler, Adolf, assignor.)
Geffke, Ella, et al., executors. (See Tetslaff, Frank.)
Gegenheimer, Ralph E. (See Taylor, M. C., Gammal, and Gegenheimer.)

Gegenheimer, Ralph E., Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Hypochlorite composition. 1,481,003; Jan. 15.
General Electric Company. (See Becker, Howard I., assignor.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Davey, Wheeler P., assignor.)
General Electric Company. (See French, H. G., and Huber, assignor.)
General Electric Company. (See Goodwin, Victor E., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Halliwell, Reginald F., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Horstkotte, Edward H., assignor.)
General Electric Company. (See Phillips, George B., assignor.)
General Electric Company. (See Trencham, H., and Wedmore, assignors.)
General Gas Light Company. (See Humphrey, Hubert R., assignor.)
General Tire and Rubber Company, The. (See Denmire, Harold A., assignor.)
General Tire and Rubber Company. (See Iredell, Robert, assignor.)
Gensch, Else, born Seeger, executrix. (See Steinmüller, L., and Gensch.)
Gensch, Max. (See Steinmüller, L., and Gensch.)
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Pan for lighting fixtures. Des. 63,783; Jan. 15.
Giddens, James R., jr., Mobile, Ala. Direction vehicle signal. 1,481,130; Jan. 15.
Gilbert, Percy T., Duluth, Minn. Pliers. 1,481,056; Jan. 15.
Ginn, Percy E. (See Johnson, Harry L., assignor.)
Glaser, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Feed-controlling device. 1,481,089; Jan. 15.
Glasser, Maurice M., Charleston, S. C. Fan. 1,480,721; Jan. 15.
Gleason, Dora P., Cincinnati, Ohio. Barrette. 1,480,935; Jan. 15.
Globe Rubber Tire Manufacturing Co. (See Fellows, Charles E., assignor.)
Globe Wernicke Co. (See Ringler, William A., assignor.)
Glover, Fred M., West Point, Ga. Pessary. 1,480,680; Jan. 15.
Goben, Edward F., Muskogee, Okla. Spike puller. 1,481,131; Jan. 15.
Godar, William F., and H. F. Miller, St. Louis, Mo. Headlight-shifting mechanism for motor vehicles. 1,481,196; Jan. 15.
Goebel, Maris J., Alton, Iowa. Ruler. 1,480,551; Jan. 15.
Goes, Charles B., Chicago, Ill. Display stand. 1,480,681; Jan. 15.
Goetz, William, Noroton Heights, Conn. Toy. 1,480,858; Jan. 15.
Gonder, Ivan, Bendon, Mich. Pump vent control. 1,480,936; Jan. 15.
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodwin, Victor E., Pittsfield, Mass., assignor to General Electric Company. Protective device. 1,481,004; Jan. 15.
Gorman, Patrick J., and A. J. Palumbo, Bloomfield, N. J. Combination drawbolt and lock for trunks. 1,481,223; Jan. 15.
Gott, Roy, Centralia, Ill. Automobile light. 1,481,057; Jan. 15.
Gottschalk, Albert, assignor to National Pneumatic Company, New York, N. Y. Pneumatic motor. 1,480,937; Jan. 15.
Gould, David F., Cornwells, Pa., assignor to The Barrett Company. Purification of hydrocarbons. 1,481,197; Jan. 15.
Grahame, Dallas F., assignor to Hydrostatic Jacks, Limited, Toronto, Ontario, Canada. Hydrostatic jack. 1,480,756; Jan. 15.
Grand Rapids Show Case Company. (See Cameron, Thomas C., assignor.)
Grand Rapids Show Case Company. (See Curtis, Charles C., assignor.)
Graves, Benjamin P., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 1,480,900; Jan. 15.
Graves, Benjamin P., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 1,480,901; Jan. 15.
Greenewalt, Mary H., Philadelphia, Pa. Method of and means for associating light and music. 1,481,132; Jan. 15.
Greenwood, Levi H., et al, trustees. (See Lloyd, Marshall B., assignor.)
Greuter, Charles E., Chicago, Ill. Internal-combustion engine. 1,480,609; Jan. 15.
Griffin, Charles W., Riegelsville, N. J. Waste-paper shredder. 1,481,058; Jan. 15.
Griffith Tool Works. (See Bittner, Joseph R., assignor.)
Grossman, Frank, Brooklyn, N. Y. Arch supporter. 1,481,133; Jan. 15.
Grossmann, Ludwig, Camden, N. J. Railway safety bolt lock. 1,480,885; Jan. 15.
Guardian Gas Appliance Company, The. (See Nieberding, Frank A., assignor.)
Gunther, George, Long Beach, and A. J. Sebastian, assignors to The Gunther Humidifier Company, Los Angeles, Calif. Humidifier. Des. 63,784; Jan. 15.
Gunther Humidifier Company. (See Gunther, G., and Sebastian, assignors.)
Haentjens, Otto, Hazleton, Pa. Pump system. 1,481,199; Jan. 15.
Hackbarth, Amel, Zion, Ill. Food cooker. 1,481,198; Jan. 15.
Hadley, Fred V., Needham, and R. A. Carleton, Newton, Mass. Heater. 1,480,805; Jan. 15.
Hafer, Edward, Cincinnati, Ohio. Coupling. 1,480,757; Jan. 15.
Hagan, George J., trustee. (See Pomeroy, Ralph E. H., assignor.)
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermostatic control device. 1,480,902; Jan. 15.
Halladay, Richard F., Newton Highlands, assignor of one-half to Arthur W. Harrison, Boston, Mass. Address guide for letters. 1,480,938; Jan. 15.
Halliwell, Reginald F., Rugby, England, assignor to General Electric Company. Valve mechanism for elastic-fluid turbines or other prime movers. 1,480,903; Jan. 15.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Highway illuminator. 1,480,904; Jan. 15.
Hammond, Laurens, New York, N. Y. Process of and apparatus for stereoscopic shadowgraphs. 1,481,006; Jan. 15.
Hampton, James G., Lafontaine, Kans. Hydraulic pump. 1,481,134; Jan. 15.
Hand, Erle H., Stapleton, N. Y. Record container and ejector. 1,480,939; Jan. 15.
Hangl, Karl P., New York, N. Y. Vehicle wheel. 1,481,200; Jan. 15.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Independent rotation for percussive tools. 1,480,552; Jan. 15.
Harding, Henry O'B., assignor to Washburn Crosby Company, Minneapolis, Minn. Packing and loading flour. 1,480,859; Jan. 15.
Harding, Harry. (See Johnson, S. P., and Harding.)
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harrison, Arthur W. (See Halladay, Richard F., assignor.)
Harten, John, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Gear cutter. 1,480,610; Jan. 15.
Hassalls, George, Penkhull, England, assignor to H. C. Edmiston, New York, N. Y. Covered dish. Des. 63,785; Jan. 15.
Hayes-Meserole Mfg. Co., The. (See Meserole, Milton D., assignor.)
Hazlewood, John J., Pittsburgh, Pa. Transfer apparatus. 1,481,090; Jan. 15.
Headding, Clay N., and F. M. Kent, Chehalis, Wash. Stereopticon lantern-slide-feed device. 1,481,201; Jan. 15.
Heathcote, Henry L., assignor to Rudge-Whitworth, Limited, Coventry, England. Method of and means for gauging metal or other articles. 1,481,240; Jan. 15.
Hebert, Israel, assignor to The Elgin A. Simonds Company, Syracuse, N. Y. Chair. 1,480,905; Jan. 15.
Heitzman, Jerome G., Fort Madison, Iowa. Selective automatic electric-fan control. 1,480,906; Jan. 15.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Means for and method of eliminating harmonic disturbances. 1,480,722; Jan. 15.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Absorption of currents of undesirable frequencies. 1,480,723; Jan. 15.
Henderson, Paul S., Denver, Colo. Display rack. Des. 63,786; Jan. 15.
Hendrickson, Oliver B., Boynton, assignor of one-half to J. McLemore, Haskell, Okla. Ice tongs. 1,480,820; Jan. 15.
Hennings, Emil, Chicago, Ill. Box stitcher. 1,480,682; Jan. 15.
Henry, James. (See Walt, Thaddeus S., assignor.)
Henry, James H., Baltimore, Md. Opera-glass support. 1,480,821; Jan. 15.
Hercules Powder Company. (See Symmes, Ernest M., assignor.)
Herold, Harry G., Hasbrouck Heights, N. J., and E. B. Meyrowitz, assignors to E. B. Meyrowitz, Inc., New York, N. Y. Trial frame. 1,481,007; Jan. 15.
Hewitt, Frank W., Arlington, assignor to Simplex Electric Heating Company, Cambridge, Mass. Heating element for fluid circulatory systems. 1,480,907; Jan. 15.
Heywood, Charles F., Buenos Aires, Argentina. Means for starting internal-combustion engines. 1,481,091; Jan. 15.
Highfield, George A., Scranton, Pa. Mouthpiece. 1,481,059; Jan. 15.

Hight, William T., assignor to W. T. Hight Co., Boston, Mass. Caster cup. 1,480,758; Jan. 15.
Hight, W. T. Co. (See Hight, William T., assignor.)
Hildreth, Dennie E., East Akron, Ohio. Gauge. 1,481,202; Jan. 15.
Hill, Elert A., assignor to Stop-Burglar Lock Company, Los Angeles, Calif. Lock. 1,480,759; Jan. 15.
Hill, Elert A., Los Angeles, Calif. Lock. 1,480,760; Jan. 15.
Hill, Reuben, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Measuring machine. 1,480,611; Jan. 15.
Hitch, Albert J., St. Thomas, Ontario, Canada. Floor machine. 1,480,806; Jan. 15.
Hitchcock, Harry W., New York, N. Y., assignor to American Telephone and Telegraph Company. Multiplex signaling system. 1,480,612; Jan. 15.
Hodlick, Charles E., assignor to Sharp & Smith, Chicago, Ill. Nasal suction apparatus. 1,481,006; Jan. 15.
Hoefer, Charles C. (See Sieben, Henry, assignor.)
Hoff, Earl B., assignor to The Azor Motor Manufacturing Company, Cleveland, Ohio. Phonograph motor. 1,480,553; Jan. 15.
Hoffman, George W. (See Smith, Nelson K., assignor.)
Hoffman, Glenn R., assignor to Hoffman Manufacturing Company, Springfield, Ill. Transmission band. 1,481,092; Jan. 15.
Hoffman, Glenn R., assignor to Hoffman Manufacturing Company, Springfield, Ill. Transmission band. 1,481,093; Jan. 15.
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Hoffman, Glenn R., assignor to Hoffman Manufacturing Company, Springfield, Ill. Transmission band. 1,481,098; Jan. 15.
Hoffman Manufacturing Company. (See Hoffman, Glenn R., assignor.)
Hojnowski, Jakub, Nekoosa, Wis. Expansible spike or bolt. 1,480,617; Jan. 15.
Hohein, George C., Clarendon, Va. Combined copyholder, sight reader, and spacer. 1,480,724; Jan. 15.
Hohmann, Frank, Chicago, Ill. Elastic support for trousers. 1,481,009; Jan. 15.
Holbrook, Harry, assignor to Worthington Mower Company, Shawnee on Delaware, Pa. Game. 1,480,683; Jan. 15.
Holman, William E., et al., trustees. (See Lloyd, Marshall B., assignor.)
Holmes, Charles H. (See Minton, C. J., and Holmes.)
Holmes, George A., Newton Center, Mass., assignor to United States Fastener Company. Snap fastener. 1,481,203; Jan. 15.
Holmes, Samuel A., Storm Lake, Iowa. Wire holder for fly paper. 1,481,020; Jan. 15.
Holton, Edward C., Olmsted Falls, Ohio, and J. C. Owens, Chicago, Ill., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Lithopone and making the same. 1,480,807; Jan. 15.
Holtzer-Cabot Electric Company, The. (See Durbin, V., and Bickell, assignors.)
Hook, Charles H., Pittsburgh, Pa. Stand for sadirons. 1,480,761; Jan. 15.
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopewell Brothers. (See Hopewell, Charles F., assignor.)
Hopewell, Charles F., assignor to Hopewell Brothers, Watertown, Mass. Windshield visor. 1,481,010; Jan. 15.
Horstkotte, Edward H., Schenectady, N. Y., assignor to General Electric Company. Control of arcing electrodes. 1,480,906; Jan. 15.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,481,204; Jan. 15.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Feeder for ingot molds. 1,481,205; Jan. 15.
Howard, Bloomfield H., Washington, D. C., and E. J. Turner, Pittsburgh, Pa. Attachment for feeders for ingot molds. 1,481,206; Jan. 15.
Howarth, Everett F., assignor, by mesne assignments, to Simonds Saw and Steel Company, Fitchburg, Mass. Hog knife. 1,480,762; Jan. 15.
Howell, Arthur E., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,480,613; Jan. 15.
Hubalek, Arthur, Brooklyn, N. Y. Automobile brake. 1,480,822; Jan. 15.
Huber, Herman J. H. (See French, H. G., and Huber.)
Hudson, Alexander M., New York, N. Y. Wheel fender. Re15,745; Jan. 15.
Hudson, William S., West Medford, assignor to The Ashton Valve Company, Cambridge, Mass. Spring link. 1,480,684; Jan. 15.
Huey, David R., Youngstown, Ohio. Rail joint. 1,480,763; Jan. 15.
Hughes, Charles H. (See Leavitt, A. T., and Hughes.)
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas grate. Des. 63,787; Jan. 15.
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas grate. Des. 63,788; Jan. 15.
Hunt, Helm, Ferris & Co. (See Ferris, Henry L., assignor.)
Hunter, William K., Copperhill, assignor of one-half to A. W. Taylor, Johnson City, Tenn. Machine for removing tires from rims. 1,481,061; Jan. 15.
Huntoon, John S., Detroit, Mich., assignor to Massey Concrete Products Corporation, Chicago, Ill. Cribbing. 1,481,244; Jan. 15.
Hurtley, Emil A. (See Keech, V. L., and Hurtley.)
Hydraulic Steel Company, The. (See Sindelar, T. A., and Daykin, assignors.)
Hydrometer Company. (See Purcell, William F., assignor.)
Hydrostatic Jacks, Limited. (See Grahame, Dallas F., assignor.)
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Car ventilation. 1,480,554; Jan. 15.
Ilex Optical Company. (See Brueck, Theodore M., assignor.)
Industrial Research Corporation. (See Boughton, Seton J., assignor.)
Industrial Research Corporation. (See Buchenberg, Alvin E., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
Ingram, Walter M., assignor to The Reliance Pump and Machine Company, Baltimore, Md. Air-pump connection. 1,480,555; Jan. 15.
International Motor Company. (See Kohlberger, Frank, assignor.)
Iredell, Robert, assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 63,789; Jan. 15.
Israel, Eli, Wilkes-Barre, Pa. Wheel chock. 1,480,725; Jan. 15.
Jacobs, Oliver B., Morris Plains, N. J., assignor to American Telephone and Telegraph Company. Telephone repeater. 1,480,614; Jan. 15.
Jacquemin, Louis, Orlando, Fla. Storage battery. 1,480,726; Jan. 15.
Jagschitz, Konrad, Mainz, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G. Nuremberg, Bavaria, Germany. Sealing means for gas holders. 1,481,009; Jan. 15.
Johanson, Adolph T., et al., trustees. (See Simmons, Charles H., assignor.)
Johnson, Adolph T., et al. (See Simmons, Charles H., assignor.)
Johnson, Frank W., Redlands, Calif. Pressure-regulating device. 1,480,909; Jan. 15.
Johnson, George T. (See Orr, C. L., and Johnson.)
Johnson, Harry L., Boston, assignor to P. E. Ginn, Jamaica Plain, Mass. Wrapping machine. 1,481,207; Jan. 15.
Johnson, Luke, Dallas, Tex. Heat-producing composition. 1,481,208; Jan. 15.
Johnson, Lloyd, Uhrichsville, Ohio. Pipe coupling. 1,481,062; Jan. 15.
Johnson, Sven P., Philadelphia, Pa., and H. Harding, Collingdale, Del., assignors to Niles-Bement-Pond Company, New York, N. Y. Control system for machine tools. 1,480,615; Jan. 15.
Joyce, Bryan P., Davenport, Iowa. Separable gun carriage. 1,480,556; Jan. 15.
Joyce, Bryan P., Davenport, Iowa. Gun recoil mechanism. 1,480,557; Jan. 15.
Joyce, Bryan P., Davenport, Iowa. Floating piston. 1,481,011; Jan. 15.
Kalusowski, Henry E., Washington, D. C., assignor to J. Schnarr & Co., Orlando, Fla. Material for spraying vegetation. 1,481,012; Jan. 15.
Kantak, John P., Manlius, N. Y. Accelerating-pedal-operating device. 1,480,616; Jan. 15.
Kaser, Everett D., assignor to Durabilt Steel Locker Co., Aurora, Ill. Handle. 1,481,013; Jan. 15.
Kauffman, Abbott A., Brooklyn, N. Y. Bridge tooth and lock-in backing. 1,481,209; Jan. 15.
Kayle, Oscar C. (See Moulton, Lloyd W., assignor.)
Kawai, Tokuji, Kokura, Japan. Electric smelting furnace. 1,481,210; Jan. 15.
Keech, Vernon L., and E. A. Hurtley, Duluth, Minn., assignors to R. S. Walker, Cleveland, Ohio. Mechanical shovel. 1,481,211; Jan. 15.
Kehrhahn, Alexander H., Frankfort-on-the-Main, Germany, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Staking machine. 1,481,135; Jan. 15.
Kellholtz, Lester S., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Controller for electrical systems. 1,480,618; Jan. 15.
Kelble, Frank, et al. (See Tiffin, Vandevere, assignor.)
Keller, Joseph F., New York, assignor to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Forming laminated stepped gears. 1,481,212; Jan. 15.

Keller Mechanical Engineering Corporation. (See Keller, Joseph F., assignor.)
Kelly, Harry W. (See Kelly, Lewis P. and H. W.)
Kelly, John A., Brooklyn, N. Y. Shoe and making the same. 1,480,558; Jan. 15.
Kelley, Kork, Okmulgee, assignor of one-half to T. L. Kerr, Bartlesville, Okla. Production of liquid motor fuels. 1,480,608; Jan. 15.
Kelly, Lewis P. and H. W., Peoria County, Ill. Fly. 1,480,766; Jan. 15.
Kent, Francis M. (See Headding, C. N., and Kent.)
Kermode, William M. (See Plummer, W. E., Kermode, and Plummer.)
Kerr, Howard J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler. 1,481,014; Jan. 15.
Kerr, Thomas L. (See Kelley, Kork, assignor.)
Keyworth, George A., et al., trustees. (See Lloyd, Marshall B., assignor.)
Kiesel, William F., Jr., Altoona, Pa. Side frame for freight-car trucks. 1,480,727; Jan. 15.
Kilby, E. M. (See Bagby, Robert T., assignor.)
Killingsworth, Roscer G., McCormick, S. C. Poison distributor. 1,481,100; Jan. 15.
King, Percy T., Luton, England. Electric motor. 1,481,218; Jan. 15.
King, William B., Needham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-holding device. 1,480,728; Jan. 15.
Kissel, Martin S., Ambridge, Pa. Ball-bearing hinge. 1,481,214; Jan. 15.
Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Safety hand feed. 1,481,245; Jan. 15.
Klein, George J., Cleveland, Ohio. Wall bracket for lighting fixtures. Des. 63,790; Jan. 15.
Klein, Jack, New York, N. Y. Handkerchief. Des. 63,791; Jan. 15.
Klein, Jack, New York, N. Y. Handkerchief. Des. 63,792; Jan. 15.
Klein, John W., Wilkinsburg, Pa. Tree holder. 1,481,015; Jan. 15.
Klens, Frank. (See Cuper, S., Daniels, and Klens.)
Koch, Richard, Pittsburgh, Pa. Electric accumulator or battery for miners' safety electric lamps. 1,480,764; Jan. 15.
Kohlberger, Frank, assignor to International Motor Company, New York, N. Y. Bus body for motor-propelled vehicles. 1,480,559; Jan. 15.
Kolts, John H., Crafton, Pa., assignor to Pittsburgh Water Heater Company. Snap-valve mechanism. 1,480,765; Jan. 15.
Koppers Company, The. (See Marshall, Charles H., assignor.)
Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)
Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Distillation of zinc. 1,481,241; Jan. 15.
Koshell, Alexander E. (See Allen, A. W., and Koshell.)
Kostil, John, Ashley, Pa. Automatic gate or door. 1,481,136; Jan. 15.
Kovach, John, Tamaroa, Ill. Ventilating fan. 1,480,886; Jan. 15.
Kowalak, Leon, Buffalo, N. Y. Auto signaling device. 1,481,101; Jan. 15.
Knight American Patents Company. (See Porter, Finley R., assignor.)
Knorr, Frederick J. (See Magill, H. L., and Knorr.)
Krause, William C., Milwaukee, Wis. Branding iron. 1,481,102; Jan. 15.
Kreutzberg, Otto A., Lake Bluff, Ill. Pulverizer. 1,480,767; Jan. 15.
Krieg, William J., Rochester, N. Y. Knockdown press. 1,480,768; Jan. 15.
Kritikson Brothers, Incorporated. (See Peters, Stanley E., assignor.)
Labombarde, Elie W., Nashua, N. H. Set-up paper box. 1,480,809; Jan. 15.
Ladd, Lester L., Lockport, Ill. Dust collector. 1,480,685; Jan. 15.
La Forest, Louis Z., Bridgeport, Conn., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Correction indicator for sound recording and reproducing machines. 1,480,619; Jan. 15.
Lamb, Frederick B. (See Backham, G. J., and Lamb.)
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated sadiron. 1,481,103; Jan. 15.
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Lang, Lincoln A., Philadelphia, Pa., assignor to The Northern Trust Company, trustee, Chicago, Ill. Servomotor mechanism. 1,480,940; Jan. 15.
Larson, Nils G., Attleboro, Mass., assignor to Ames Shovel & Tool Company, Jersey City, N. J. Reenforce device for tool handles and making the same. 1,480,823; Jan. 15.
Latture, James L., Portland, Oreg., assignor to The Burch Plow Works Company, Crestline, Ohio. Stone spreader. 1,480,620; Jan. 15.
Leavitt, Avery T., and C. H. Hughes, Syracuse, N. Y. Ore-roasting furnace. 1,480,824; Jan. 15.
Leber, George J., Cleveland, Ohio. Hose reel. 1,480,769; Jan. 15.
Leber, George J., Cleveland, Ohio. Knockdown hose reel. 1,480,770; Jan. 15.
Lee, Andrew J., Inman, S. C. Transmission mechanism for looms. 1,480,621; Jan. 15.
Lee, Marvin G., Alliance, Nebr. Snowplow. 1,480,622; Jan. 15.
Leerberg, Nis, Edgewood, Pa. Machine for forming helical gears. 1,480,910; Jan. 15.
Lefler, Charles W., Boise, Idaho. Extension sickle for mowing machines. 1,480,729; Jan. 15.
Lemke, Fred B., Milwaukee, and C. R. Draeger, Waukesha, Wis.; said Draeger assignor to said Lemke. Support for flowerpots. 1,481,137; Jan. 15.
Lemon, Alfred B. (See Sommer, J. J., Otis, MacAllister, and Lemon.)
Lenaghan, Thomas, Croydon, England. Electro-magnetic relay. 1,481,104; Jan. 15.
Le Nove, Cyril W., Kent, Minn. Fruit picker. 1,480,825; Jan. 15.
Lents, John A., Phoenix, Ariz. Dental shoulder-cutting instrument. 1,480,730; Jan. 15.
Leonhard, Hermann R., Haledon, Paterson, N. J. Container-lining forming device. 1,481,016; Jan. 15.
Le Tang, Leo R., Cincinnati, Ohio. Votive stand. 1,480,941; Jan. 15.
Levy, Richard M. (See Ainslie, T. D., and Levy.)
Levy, Jules G., Cedarhurst, N. Y. Toy. 1,481,105; Jan. 15.
Lewis, John. (See Frank, H., and Lewis.)
Libbey-Owens Sheet Glass Company, The. (See Miller, Otto C., assignor.)
Liebmann, August G., Chicago, Ill. Automatic fluid-pressure-operated machine shovel. 1,480,623; Jan. 15.
Lifton Mfg. Co., The. (See Brooks, Morris, assignor.)
Light, Albert T., New York, N. Y. Securing device. 1,480,686; Jan. 15.
Light, Lon, and N. E. Wilkins, Cedar Rapids, Iowa. Door-hanger structure. 1,480,731; Jan. 15.
Lipoti, Joseph, Jersey City, N. J. Embellishment of textile fabrics, etc. 1,481,017; Jan. 15.
Lish, William H., York, Pa. Safety-razor stropper. 1,480,771; Jan. 15.
Littman, Zeno, New York, N. Y. Pneumatic-tire valve. 1,481,018; Jan. 15.
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood and G. A. Keyworth, Gardner, and W. E. Holman, Leominster, Mass., trustees. Reed article and making the same. 1,480,773; Jan. 15.
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood and G. A. Keyworth, Gardner, and W. E. Holman, Leominster, Mass., trustees. Reed article and making the same. 1,480,774; Jan. 15.
Lloyd, Richard L., assignor to Dwight & Lloyd Sintering Company, New York, N. Y. Sintering machine. 1,480,911; Jan. 15.
Loomis, Harry T., Jamaica, N. Y. Device for supporting garments in boxes. 1,480,687; Jan. 15.
Long Island Knitting Mills Co. (See Osterman, Edward G., assignor.)
Lorentzen, Hans K., New York, N. Y. Coin-controlled apparatus. 1,480,560; Jan. 15.
Löser, Franz, Brunn, Czechoslovakia. Turbine coupling. 1,480,772; Jan. 15.
Louden Machinery Company, The. (See Neller, Albert H., assignor.)
Lovejoy, Louis B. (See Warner, D. H., and Lovejoy.)
Lovejoy, Ralph M., Meredith, N. H. Spring construction for vehicles. 1,480,624; Jan. 15.
Luce, Joseph L. and R. P., Belle Vernon, Pa. Resilient wheel. 1,481,138; Jan. 15.
Luce, Raymond P. (See Luce, Joseph L. and R. P.)
Luebbert, Frederick J., San Francisco, Calif. Hanger for aerial vehicles. 1,481,019; Jan. 15.
Luhrman, John G., et al. (See Tiffin, Vandevere, assignor.)
McCarter, William W., Houston, Tex. Casting apparatus. 1,480,887; Jan. 15.
McCarthy, Arthur C., et al. (See Earle, John, assignor.)
McCarthy, Robert O., et al. (See Earle, John, assignor.)
McClenny, Robert J., East Palatka, and D. B. Bardin, Palatka, Fla. Barrel-making machine. 1,481,139; Jan. 15.
McClure, Samuel C., Canton, Ohio. Apparatus for repairing ice cans. 1,481,215; Jan. 15.
McColl, Irvine, Grand Rapids, Mich. Receptacle or package. 1,480,827; Jan. 15.
McCormick, John H., jr., St. Louis, Mo. Antiskid chain. 1,481,020; Jan. 15.
McCoy, James D. (See Weeden, Arthur W., assignor.)
McEwen, Samuel, London, England. Method of and apparatus for carbonization or destructive distillation. 1,481,140; Jan. 15.
McGill Metal Products Company. (See Beck, Albert, assignor.)
McKee, William, assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa. Relief valve. 1,480,942; Jan. 15.
McLemore, John. (See Hendrickson, Oliver B., assignor.)
McMahon, Samuel. (See Spine, C. R., and McMahon.)
McMillion, Buford M., Rogers, Tex. Hood fastener. 1,481,216; Jan. 15.

McNeil, Claude P., Whiting, Ind., assignor to Secretary of War of the United States of America, trustee. Coating granules. 1,480,561; Jan. 15.
MacAllister, Ellis W. (See Sommer, J. J., Otis, MacAllister, and Lemon.)
MacMahon, James H., Niagara Falls, assignor to Mathieson Alkali Works, Inc., New York, N. Y. Liquid-bleach apparatus. 1,481,107; Jan. 15.
MacMahon, James H., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Preparation of liquid bleach solutions. 1,481,106; Jan. 15.
MacMullin, Robert B. (See Taylor, M. C., MacMullin, and Gegenheimer.)
Madsen, Soren, Astoria, N. Y. Fare register. 1,480,943; Jan. 15.
Magill, Herbert L., and F. J. Knorr, Chicago, Ill. Lubricator. 1,480,688; Jan. 15.
Magrady, Joseph J., Chicago, Ill. Platform scale. 1,480,732; Jan. 15.
Mahoney, John P., Amsterdam, N. Y. Milk-bottle closure. 1,480,826; Jan. 15.
Maloy, Richard E., Brooklyn, N. Y. Grommet. 1,481,217; Jan. 15.
Manning, Bowman & Company. (See Farr, Edward A., assignor.)
Marathon Company. (See Wojciechowski, Frank M., assignor.)
Marien, Nicholas C., Chicago, Ill. Air washer. 1,480,775; Jan. 15.
Marshall, Charles H., Crafton, assignor to The Koppers Company, Pittsburgh, Pa. Apparatus for producing interaction between gases and liquids. 1,480,888; Jan. 15.
Marshall, Laurence K., West Somerville, assignor to Spencer Thermostat Company, Cambridge, Mass. Temperature-controlled apparatus. 1,481,021; Jan. 15.
Martelli, Vincent, Revere, Mass. Shoe. Des. 63,793; Jan. 15.
Martin, George W., assignor to C. L. Byron, trustee, Chicago, Ill. Hog dehairer and dehairing hogs. 1,481,141; Jan. 15.
Martin, Glenn L., Company, The. (See Milburn, Lessiter C., assignor.)
Martin, Joseph, Munich, Germany. Feed-water heater. 1,480,912; Jan. 15.
Maschinenfabrik Augsburg-Nürnberg A. G. (See Jagschitz, Konrad, assignor.)
Massa, Edward, Los Angeles, Calif. Kite construction. 1,480,889; Jan. 15.
Massey Concrete Products Corporation. (See Huntoon, John S., assignor.)
Master Tubeless Tire Corporation. (See Watkins, Thomas C., assignor.)
Mathez, Emmanuel, Englewood, N. J., assignor to Phinney Walker Company, New York, N. Y. Clock. 1,481,022; Jan. 15.
Mathieson Alkali Works, Inc., The. (See Gegenheimer, Ralph E., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMahon, James H., assignor.)
Mathieson Alkali Works, Inc., The. (See Taylor, M. C., Gammal, and Gegenheimer, assignors.)
Mathieson Alkali Works, Inc., The. (See Taylor, M. C., MacMullin, and Gegenheimer, assignors.)
Matson, Carl A., Swampscott, assignor to Matson Lace and Braid Company, Boston, Mass. Lace-tipping machine. 1,480,776; Jan. 15.
Matson Lace and Braid Company. (See Matson, Carl A., assignor.)
Mecky, A., Company. (See Mottlau, August J., assignor.)
Meiselbach, August D., assignor to M. Meiselbach, Chicago, Ill. Method and means for building and testing tubular frames. 1,480,777; Jan. 15.
Meiselbach, Margaret. (See Meiselbach, August D., assignor.)
Meserole, Milton D., assignor to The Hayes-Meserole Mfg. Co., Inc., Milford, Conn. Hair curler. 1,480,913; Jan. 15.
Meyrowitz, E. B., Inc. (See Herold, H. G., and Meyrowitz, assignors.)
Meyrowitz, Emil B. (See Herold, H. G., and Meyrowitz.)
Michaels, Benjamin B., Brooklyn, N. Y. Barrel. 1,480,689; Jan. 15.
Milburn, Lessiter C., East Cleveland, assignor to The Glenn L. Martin Company, Cleveland, Ohio. Gunner's chair. 1,480,890; Jan. 15.
Miller, August, Detroit, Mich. Differential mechanism. 1,480,828; Jan. 15.
Miller, Bertram L., Cleveland, Ohio, assignor to Peerless Mfg. Company, Louisville, Ky. Heater. Des. 63,794; Jan. 15.
Miller, Edward & Company. (See Wolter, Herman H., assignor.)
Miller, Henry F. (See Godar, W. F., and Miller.)
Miller, Oscar E., Stratton, Nebr. Well-drilling machine. 1,481,219; Jan. 15.
Miller, Otto C., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Apparatus for drawing sheet glass. 1,481,218; Jan. 15.
Miller, Robert A., Creighton, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for drawing sheet glass. 1,480,625; Jan. 15.
Miller, S. E., trustee. (See Shiek, Daniel W.)
Minton, Calvin J., and C. H. Holmes, Gage, Okla. Demountable hinge. 1,481,142; Jan. 15.
Miron, Walter W., Oakland, Calif. Electric-furnace signal. 1,480,626; Jan. 15.
Mock, Hugo, New York, N. Y. Crumb collector. 1,480,562; Jan. 15.
Moline Heat. (See Shurtleff, Wilfred, assignor.)
Monarch Tractors Incorporated. (See Webb, Arthur B., assignor.)
Moran, Lawrence J., Brooklyn, N. Y. Apparel hanger. 1,480,829; Jan. 15.
Moran, William P., assignor to T. B. Clark & Co., Inc., Honesdale, Pa. Plaque. Des. 63,795; Jan. 15.
Morgan, Charles D., assignor to Rathbone, Sard & Co Albany, N. Y. Burner. 1,480,944; Jan. 15.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. System and apparatus for mining coal. 1,480,733; Jan. 15.
Morgan, Edwin J., New York, N. Y. Game. 1,480,563; Jan. 15.
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morrison, Harry, New York, N. Y. Guide for use in filing. 1,480,564; Jan. 15.
Moseley, William P., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Safe-deposit-door construction. 1,480,945; Jan. 15.
Mottlau, August J., assignor to A. Mecky Company, Philadelphia, Pa. Reverse-pedaling ball-clutch coaster brake. 1,480,565; Jan. 15.
Moulton, Lloyd W., assignor of one-half to O. C. Kavle, Syracuse, N. Y. Combined jig and work support. 1,480,946; Jan. 15.
Mudge & Company. (See Cutshall, Harvey W., assignor.)
Mueller, John J., jr., Ottawa, Ill., assignor to Superior Metal Co., Bethlehem, Pa. Polishing device. 1,481,242; Jan. 15.
Mulholland, George F., Belleville, Ill. Bottle for a floating signal. Des. 63,796; Jan. 15.
Mulroney, Frank M., Fort Dodge, Iowa. Necktie. 1,480,830; Jan. 15.
Müller, Friedrich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Making hack saws. 1,480,627; Jan. 15.
Müller, Heinrich J., Schaffhausen, Switzerland. Machine for folding paper or other material. 1,480,947; Jan. 15.
Mummery, Clyde W., Richmond, Mich. Oil burner. 1,480,628; Jan. 15.
Munzner, Charles, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Demonstrating or advertising device. 1,481,143; Jan. 15.
Murphey, Arthur G., Meridian, Miss. Ice box for autos. 1,480,831; Jan. 15.
Naamlooze Vennootschap Kromhout Motoren Fabriek D. Goedkoop, jr. (See De Iongh, Johan H., assignor.)
Nacke, Karl, assignor to United Metal Spinning Co., Brooklyn, N. Y. Ball lamp cover for lighting fixtures. Des. 63,797; Jan. 15.
National Carbon Company. (See Benner, R. C., and French, assignors.)
National Pneumatic Company. (See Gottschalk, Albert, assignor.)
Natkiel, Harry, and I. Freedman, New York, N. Y. Hair waver. 1,480,832; Jan. 15.
Nelion, Patrick J., Cleveland, Ohio. Skipping machine. 1,480,833; Jan. 15.
Neller, Albert H., assignor to The Louden Machinery Company, Fairfield, Iowa. Animal pen. 1,481,108; Jan. 15.
Nelson, Karl O., Mineola, N. Y. Actuating device. 1,480,734; Jan. 15.
Nelson, Robert O., San Francisco, Calif. Auto theft-preventing device. 1,480,735; Jan. 15.
Ness, Joseph, East Lake, Ga. Package. 1,480,860; Jan. 15.
Nessler, Charles, New York, assignor to Nestle Patent Holding Co., Inc., Hornell, N. Y. Hair-waving appliance and using the same. 1,481,109; Jan. 15.
Nestle Patent Holding Co. (See Nessler, Charles, assignor.)
Neumeyer, Fritz, A.-G. (See Singer, Fritz, assignor.)
Newell, Louis B., Baltimore, Md. Ornamenting glass articles. 1,480,834; Jan. 15.
Newman, Armand E., New York, N. Y. Screen shield. 1,480,861; Jan. 15.
Nichols, Ernest R., Chicago, Ill. Rotary gas engine. 1,481,220; Jan. 15.
Nieberding, Frank A., assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 63,798; Jan. 15.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Niles-Bement-Pond Company. (See Johnson, S. P., and Harding, assignors.)
Noe, William R., & Sons. (See Roettges, Frederick, assignor.)
Nolen, James G., New York, N. Y. Yieldable support for phonograph records. 1,480,629; Jan. 15.
Northern Trust Company, trustee, The. (See Lang, Lincoln A., assignor.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler loom. 1,480,736; Jan. 15.

Nowak, Stephen B., Buffalo, N. Y. Direction signal. Des. 63,799; Jan. 15.
Nuss, Max, assignor to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Separating gas and vapor mixtures. 1,481,221; Jan. 15.
Nutriment Limited. (See Thomson, David, assignor.)
Oakes, Harry, Wolstanton, England, assignor to William S., Pitcairn Corporation, New York, N. Y. Plate or similar article. Des. 63,800; Jan. 15.
O'Brien, Joseph S., Westfield, Mass. Dispensing toilet-paper holder. 1,481,063; Jan. 15.
Ochs, Werner, Bad Liebenstein, Germany. Eyelet-inserting machine. 1,481,064; Jan. 15.
Odatey, William G., Inglewood, Calif. Trap. 1,481,222; Jan. 15.
Ogg, Robert Y., et al. (See Earle, John, assignor.)
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Stolp, Samuel S., assignor.)
Olinger, Thomas, assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich. Attaching means for pulleys or the like. 1,480,948; Jan. 15.
Olinger, Thomas, assignor, by mesne assignments, to Federal Manufacturing Company, Holland, Mich. Damper. 1,480,949; Jan. 15.
Opperman, August H., Indianapolis, Ind. Electrical curling-iron heater. 1,481,065; Jan. 15.
Orr, Claude L., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck of the six-wheel or three-axle type. 1,480,630; Jan. 15.
Osborn, Sydney, Philadelphia, Pa. Artist's sketch box. 1,480,631; Jan. 15.
Osterman, Edward G., New York, assignor to Long Island Knitting Mills Co., Brooklyn, N. Y. Bathing suit. 1,480,862; Jan. 15.
Otis, James O. (See Sommer, J. J., Otis, MacAllister, and Lemon.)
Otis, Spencer, Chicago, Ill. Method of and system for washing out boilers. 1,480,737; Jan. 15.
Ott, Conrad L., Chicago, Ill., assignor to American Grinder Company, Detroit, Mich. Grinding machine. 1,480,778; Jan. 15.
Owens, Jay C. (See Holton, E. C., and Owens.)
P & M Company, The. (See Warr, Harold G., assignor.)
Pacific Pitting Machine Company. (See Bem, J. P., and Tuttle, assignors.)
Packer, Eben R., New Rochelle, assignor to Q. & C. Company, New York, N. Y. Emergency knuckle for car couplers. 1,480,863; Jan. 15.
Pacz, Aladar, Cleveland Heights, Ohio. Composition of matter and making same. 1,480,779; Jan. 15.
Page, Christopher M., et al., trustees. (See Simmons, Charles H., assignor.)
Page, Milton E., jr., et al., trustees. (See Simmons, Charles H., assignor.)
Pals, Henry H., Meservey, Iowa. Stock door. 1,480,632; Jan. 15.
Palumbo, Anthony J. (See Gorman, P. J., and Palumbo.)
Parmet, Meyer, assignor to Dragon Tire & Rubber Corporation, New York, N. Y. Tire tread. Des. 63,801; Jan. 15.
Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Gear drive. 1,480,566; Jan. 15.
Pastor, Albert, Alpha, N. J. Life-saving belt or preserver. 1,481,144; Jan. 15.
Pauley, Catherine, Lockland, Ohio. Mask for skin treatment. 1,480,780; Jan. 15.
Payne, Frederick J. and P. C., Keynsham, near Bristol, England. Air pump or compressor. 1,480,781; Jan. 15.
Payne, Percy C. (See Payne, Frederick J. and P. C.)
Peerless Mfg. Company. (See Miller, Bertram L., assignor.)
Pelkey, Edward C., Portland, Me. Combined table and lamp. Des. 63,802; Jan. 15.
Pellam, George E., Newark, N. Y. Heating and filling machine. 1,480,567; Jan. 15.
Penn, Oscar S., assignor to Roadless Traction, Limited, London, England. Grip pulley. 1,480,950; Jan. 15.
Pepper, David, Philadelphia, Pa. Electric battery. 1,481,145; Jan. 15.
Perry, George E., Chicago, Ill. Means for decanting liquids. 1,481,146; Jan. 15.
Peters, Stanley E., assignor to Kritikson Brothers, Incorporated, Chicago, Ill. Check protector. 1,480,690; Jan. 15.
Pettegrew, Fred N., Fox Lake, Wis. Spring device. 1,480,633; Jan. 15.
Phillips, George B., Schenectady, N. Y., assignor to General Electric Company. Protective device. 1,481,005; Jan. 15.
Phinney Walker Company. (See Mathez, Emmanuel, assignor.)
Pierce, Caroline L., Miami, Fla. Waterproof label holder. 1,481,147; Jan. 15.
Pierce, Harry, San Diego, Calif. Pneumatic valve. 1,481,023; Jan. 15.
Pierson, Carl W., Rockford, Ill. Phonograph-record holder. 1,481,066; Jan. 15.
Pilliod, Charles J., assignor to D. Searles, trustee, Toledo, Ohio. Fluid-control means. 1,480,568; Jan. 15.
Pilliod, Charles J., assignor to D. Searles, trustee, Toledo, Ohio. Valve gear. 1,480,569; Jan. 15.
Pimienta, Alfredo, New York, N. Y. Hooded examining lamp. 1,481,224; Jan. 15.
Pitcairn, William S., Corporation. (See Oakes, Harry, assignor.)
Pittsburgh Plate Glass Company. (See Brown, Christopher, assignor.)
Pittsburgh Plate Glass Company. (See Miller, Robert A., assignor.)
Pittsburgh Water Heater Company. (See Kolts, John H., assignor.)
Plummer, Charles S. (See Plummer, W. E., Kermode, and Plummer.)
Plummer, William E., W. M. Kermode, and C. S. Plummer, Bradford, England. Packing. 1,480,951; Jan. 15.
Pneumatic Process Flotation Company. (See Dolbear, Samuel H., assignor.)
Pofcher, Edward M. (See Baron, B. A., and Pofcher.)
Pollard-Alling Manufacturing Company. (See De Minico, Frank, assignor.)
Pomeroy, Ralph E. H., Canton, Ohio, assignor to G. J. Hagan, trustee, Perrysville, Pa. Combustion of pulverized fuel. 1,481,067; Jan. 15.
Pond Electric Writer. (See Pond, Gilbert A., assignor.)
Pond, Gilbert A., Evanston, Ill., assignor to Pond Electric Writer, Chicago, Ill. Automatic typewriter. 1,481,110; Jan. 15.
Poplawski, Stephen J., assignor to Arnold Electric Company, Racine, Wis. Beverage mixer. 1,480,914; Jan. 15.
Poplawski, Stephen J., assignor to Arnold Electric Company, Racine, Wis. Drink mixer. 1,480,915; Jan. 15.
Porter, Finley R., Port Jefferson, N. Y., assignor to Knight American Patents Company, Chicago, Ill. Flying machine. 1,481,024; Jan. 15.
Potter, Francis J., London, England. Paper fastener. 1,480,952; Jan. 15.
Pratt & Whitney Company. (See Bayrer, Louis G., assignor.)
Pratt & Whitney Company. (See Harten, John, assignor.)
Pratt & Whitney Company. (See Hill, Reuben, assignor.)
Pratt & Whitney Company. (See Müller, Friederich, assignor.)
Prentice, George E., New Britain, Conn., assignor to Treo Company, Inc. Buckle. 1,481,025; Jan. 15.
Preuss, Fred A., Humphrey, Nebr. Hooked fork. 1,481,148; Jan. 15.
Price, George E., New Haven, Conn. Trolley-head and support therefor. 1,480,835; Jan. 15.
Primeau, Arthur L., Cambridge, Mass. Pressure cooker. 1,480,782; Jan. 15.
Proctor & Schwartz, Inc. (See Ayres, E. B., and Rhoads, assignors.)
Products Protection Corporation, The. (See Smith, Franklin S., assignor.)
Provencher, Norven, Lowell, Mass. Fly frame. 1,480,916; Jan. 15.
Public Safety Cap Company. (See Stattmann, Walter A., assignor.)
Purcell, William F., Hoboken, N. J., assignor to Hydromotor Company, Inc. Propelling device. 1,480,836; Jan. 15.
Putnam, Henry S., assignor to Continuous Transit Company, New York, N. Y. Coupling mechanism for trucks and the like. 1,480,634; Jan. 15.
Putnam, Henry S., assignor to Continuous Transit Company, New York, N. Y. Truck construction for moving platforms. 1,480,635; Jan. 15.
Q. & C. Company. (See Parker, Eben R., assignor.)
Quinn, Walter J., New York, N. Y. Repairing or assembling metal poles. 1,481,149; Jan. 15.
Rackham, George J., Putney, London, England, assignor to Roadless Patents Holding Company, Washington, D. C. Grip pulley. 1,480,691; Jan. 15.
Rackham, George J., Chicago, Ill., assignor to Roadless Patents Holding Company, Washington, D. C. Endless-track vehicle. 1,480,692; Jan. 15.
Rackham, George J., and F. B. Lamb, assignors to Roadless Traction, Limited, London, England. Endless-track vehicle. 1,480,693; Jan. 15.
Rasmussen, Anton M., Rockford, Ill. Electric iron. 1,481,225; Jan. 15.
Rathbone, Sard & Co. (See Morgan, Charles D., assignor.)
Rauschenberg, Emil C., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Cast-metal annealing box. 1,481,150; Jan. 15.
Ream, Gordon A., Detroit, Mich. Rheostat. 1,480,953; Jan. 15.
Reasner, George, New York, N. Y. Flowerpot. Des. 63,803; Jan. 15.
Reddick, John J., and R. Chapman, assignors to W. W. Colwell, Los Angeles, Calif. Scale. 1,481,151; Jan. 15.
Reed, Percy A., assignor to Cinechrome Instruments, Limited, London, England. Intermittent feed mechanism for cinematographic apparatus. 1,480,864; Jan. 15.
Rehbein, Herman, Mishicot, Wis. Force-feed cutting mechanism. 1,481,152; Jan. 15.
Reichard, Harold D., Akron, assignor to The Salem Rubber Company, Salem, Ohio. Tire tread. Des. 63,804; Jan. 15.
Reineke, Josef H., Bochum, Germany. Regulation of pressure. 1,480,837; Jan. 15.
Reliance Pump and Machine Company, The. (See Ingram, Walter M., assignor.)

Rhoads, Thomas H. (See Ayres, E. B., and Rhoads.)
Rhodes, Caxton P., San Francisco, and A. F. Willat, San Rafael, Calif. Cigarette holder. 1,480,836; Jan. 15.
Rhodes, Hampton P., assignor to Rholite Manufacturing Company, Chicago, Ill. Storage battery or accumulator. 1,481,226; Jan. 15.
Rholite Manufacturing Company. (See Rhodes, Hampton P., assignor.)
Ricardo, Harry R., London, England. Valve gear for internal-combustion engines. 1,481,068; Jan. 15.
Rice, Charles E., Sanford, Fla. Cooling device for oils. 1,480,954; Jan. 15.
Ridderhof, Cornell, New York, N. Y. Toy. 1,481,227; Jan. 15.
Ringler, William A., Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio. Visible index. 1,480,955; Jan. 15.
Roadless Patents Holding Company. (See Rackham, George J., assignor.)
Roadless Traction, Limited. (See Penn, Oscar S., assignor.)
Roadless Traction, Limited. (See Rackham, G. J., and Lamb, assignors.)
Robinson, John G., and L. J. Schlitzer, Eldorado, Kans. Portable fire extinguisher. 1,481,026; Jan. 15.
Robinson, Major M., Jackson, Tenn. Button. 1,480,839; Jan. 15.
Robinson, Vern F., Cope, Colo. Latch for gates. 1,480,956; Jan. 15.
Robinson, William H., Maywood, Ill. Plant support. 1,480,917; Jan. 15.
Roche, Alfred R., Casper, Wyo. Spring device. 1,480,694; Jan. 15.
Rodeberg, Thomas T., Montevideo, Minn. Staple driver. 1,480,695; Jan. 15.
Roessler & Hasslacher Chemical Company, The. (See Ainslie, T. D., and Levy, assignors.)
Roettges, Frederick, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y. Shade for lighting fixtures. Des. 63,805; Jan. 15.
Roettges, Frederick, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y. Shade for lighting fixtures. Des. 63,806; Jan. 15.
Roettges, Frederick, Stamford, Conn., assignor to William R. Noe & Sons, New York, N. Y. Shade for lighting fixtures. Des. 63,807; Jan. 15.
Rogers, Cephas B., Danbury, Conn. Electric-light bracket. Des. 63,808; Jan. 15.
Rondelli, Tito, London, England. Electric furnace. 1,481,228; Jan. 15.
Rose, Henry, deceased, by W. H. Rose, administrator, Gainsborough, England. Feeding apparatus for wrapping machines. 1,481,229; Jan. 15.
Rose, Theodore F., jr., Collingswood, N. J. Telephone-transmitter construction. 1,481,111; Jan. 15.
Rose, William H., administrator. (See Rose, Henry.)
Rosendahl, Gunner J. J., Newcastle-on-Tyne, England. Means for producing a perforated tape by electric-current impulses. 1,481,153; Jan. 15.
Rosenthal, Max S., New York, N. Y. Sash lock. 1,480,636; Jan. 15.
Ross, Benjamin, Brooklyn, N. Y. Shoe sole. 1,481,027; Jan. 15.
Ross, Benjamin, Brooklyn, N. Y. Sole structure for boots and shoes. 1,481,028; Jan. 15.
Ross, Benjamin, Brooklyn, N. Y. Shoe last. 1,481,029; Jan. 15.
Rotermund, William F., Seattle, Wash. Steering device. 1,480,840; Jan. 15.
Rovetto, Francesco, Spezia, Italy. Submarine. 1,481,230; Jan. 15.
Rudge-Whitworth, Limited. (See Heathcote, Henry L., assignor.)
Salem Rubber Company, The. (See Reichard, Harold D., assignor.)
Sallmann, Richard. (See Straub, F., and Sallmann.)
Sampt, George. (See Fullbright, Thomas, assignor.)
Sargent & Company. (See Shaw, John H., assignor.)
Saussler, Christ. (See Schneider, John, assignor.)
Sawyer, William H., Monroe Township, Morgan County, Ind. Motor-vehicle signal apparatus. 1,480,783; Jan. 15.
Schaefer, Charles. (See Elliott, T. V., and Schaefer.)
Schaefer, Peter A., Greensburg, Pa. Magneto contact. 1,480,696; Jan. 15.
Schat, Ane P., The Hague, Netherlands. Means for launching lifeboats. 1,481,154; Jan. 15.
Scheuer, Max, New York, N. Y. Hand bag. Des. 63,809; Jan. 15.
Schickerling, Alfred, Scarsdale, N. Y. Culinary chopping block. 1,481,030; Jan. 15.
Schlitzer, Lee J. (See Robinson, J. G., and Schlitzer.)
Schnarr, J., & Co. (See Kalusowski, Henry E., assignor.)
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Device for permitting variation of the capacity of the explosion chambers in guns. 1,480,957; Jan. 15.
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Condensing installation for locomotives. 1,481,231; Jan. 15.
Schneider, George. (See Bright, W. F., and Schneider.)
Schneider, John, assignor of one-twentieth to C. Saussler, Cleveland, Ohio. Locking device for garage doors. 1,480,958; Jan. 15.
Schneider, Oscar A., Random Lake, Wis. Fly swatter. 1,481,069; Jan. 15.
Schoder, Charles E., and M. A. Troeger, assignors to American Lithographic Company, New York, N. Y. Display carton. 1,480,570; Jan. 15.
Schroeder, Rudolph W., Chicago, Ill. Automatic bypass and primer for flow meters. 1,480,784; Jan. 15.
Schuetz, Ben F. (See Spurrier, William W., assignor.)
Schuler, Max, assignor to Anschütz & Co., Neumuhlen, near Kiel, Heikendorfer, Germany. Artificial horizon. 1,480,637; Jan. 15.
Schwiesow, William F., Ripon, Wis. Nonskid chain for auto wheels. 1,481,232; Jan. 15.
Searles, Daniel, trustee. (See Pilliod, Charles J., assignor.)
Sebastian, Adelbert J. (See Gunther, G., and Sebastian.)
Secor, John A., assignor to Advance-Rumely Company, Laporte, Ind. Reatomizer. 1,480,959; Jan. 15.
Secretary of War of the United States of America, trustee. (See McNeil, Claude P., assignor.)
Selker, Harry, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio. Bearing. 1,480,571; Jan. 15.
Semple, Charles E., jr., Youngstown, Ohio. Diaphragm for sound reproducer. 1,480,785; Jan. 15.
Semple, Charles E., jr., Youngstown, Ohio. Phonograph reproducer. 1,480,786; Jan. 15.
Serrell Electric Appliance Corporation. (See Serrell, Lemuel W., assignor.)
Serrell, Lemuel W., New York, N. Y., assignor to Serrell Electric Appliance Corporation. Electric heater. 1,480,787; Jan. 15.
Sethman, George H., assignor to The Electric Research Company, Denver, Colo. Electric furnace and operating the same. 1,481,061; Jan. 15.
Shaffer, Kent, Denver, Colo. Means for locking automobile tires. 1,481,032; Jan. 15.
Shane, George H., assignor of one-half to L. P. Breen, Denver, Colo. Wheeled riding harrow. 1,480,960; Jan. 15.
Sharp & Smith. (See Hodlick, Charles E., assignor.)
Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock for gear-shift levers and the like. 1,481,033; Jan. 15.
Shaw, William S., Chicago, Ill. Tanning apparatus. 1,480,697; Jan. 15.
Sherwin-Williams Company, The. (See Holton, E. C., and Owens, assignors.)
Shevlin, Joseph P., Denver, Colo. Air pump. 1,481,070; Jan. 15.
Shiek, Daniel W., assignor to S. E. Miller, Aurora, Ill., trustee on behalf of said Daniel W. Shiek and Miller-Bryant-Pierce Company. Power-driven operating means for typewriters and the like. 1,480,698; Jan. 15.
Shull, Frederick G., New Haven, Conn., assignor to Aluminum Seal Company, Pittsburgh, Pa. Bottle closure. 1,481,155; Jan. 15.
Shurtleff, Wilfred, assignor to Moline Heat, Moline, Ill. Radiator for heating and ventilating units. 1,480,842; Jan. 15.
Sieben, Henry, assignor to C. C. Hoefer, Kansas City, Mo. Plug connector. 1,481,233; Jan. 15.
Simmons, C. H., Chicago, Ill., assignor to M. E. Page, jr., A. T. Johansson, and C. M. Page, Chicago, Ill., trustees for Aaball Manufacturing Company. Adjustable valve. 1,480,699; Jan. 15.
Simmons, William H., Cleveland, Ohio. Combined shade and curtain bracket. 1,480,841; Jan. 15.
Simonds, Elgin A., Company. (See Herbert, Israel, assignor.)
Simonds Saw and Steel Company. (See Howarth, Everett F., assignor.)
Simplex Electric Heating Company. (See Hewitt, Frank W., assignor.)
Sindelar, Thomas A., and S. S. Davkin, assignors to The Hydraulic Steel Company, Cleveland, Ohio. Automatic welding device. 1,481,071; Jan. 15.
Singer, Fritz, assignor to Fritz Neumeyer A.-G., Nuremberg, Bavaria, Germany. Cold spurting of tubes and thin-walled metal pipes of lead, tin, and especially aluminum. 1,480,843; Jan. 15.
Sivertsen, Peter, New York, N. Y. Slicing machine. 1,480,572; Jan. 15.
Slade, Charles B., assignor to Ethicus Prompt Treatment Kit, Inc., New York, N. Y. Prompt-treatment kit. 1,480,865; Jan. 15.
Slattery, John S. (See Forrester, J., and Slattery.)
Slocum, Giles H., Baldwinsville, N. Y. Necktie holder. 1,481,156; Jan. 15.
Smith and Crosby. (See Gammell, Ove L., assignor.)
Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Digging apparatus. 1,481,234; Jan. 15.
Smith Chimes Clock Company, The. (See Smith, George L., assignor.)
Smith, Daniel, et al. (See Church, Ira A., assignor.)
Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Apparatus for treating grain, beans, etc., by disruptive conduction. 1,480,573; Jan. 15.
Smith, Franklin S., Philadelphia, Pa., assignor to The Products Protection Corporation, New York, N. Y. Protective means for the leads of electric transformers. 1,480,574; Jan. 15.

Smith, George, Philadelphia, Pa. Tobacco pipe. 1,481,235; Jan. 15.
Smith, George L., Fort Wayne, Ind., assignor to The Smith Chimes Clock Company. Hammer for chimes. 1,481,072; Jan. 15.
Smith, John W., Philadelphia, Pa. Air cooling of internal-combustion engines. 1,480,866; Jan. 15.
Smith, L. H., et al. (See Church, Ira A., assignor.)
Smith, Nelson K., Dallas, Tex. Wrench carriage. 1,481,158; Jan. 15.
Smith, Nelson K., Dallas, Tex., assignor of one-half to G. W. Hoffman, Houston, Tex. Rotary wrench carriage. 1,481,157; Jan. 15.
Smith, Tony, Cincinnati, Ohio. Composition. 1,480,867; Jan. 15.
Smith, W. P., Sports Company. (See Smith, William P., assignor.)
Smith, William P., Southwark, assignor to W. P. Smith Sports Company, Limited, Holborn, London, England. Golf club. 1,480,961; Jan. 15.
Smout, Donald T. (See Flood, W. H., and Smout.)
Snider, Ernest E., Wichita, Kans. Spark-plug cleaner. 1,480,575; Jan. 15.
Snyder, Rex V., St. Louis, Mo., and M. Curry, Scarsdale, assignors to The American Thread Company, New York, N. Y. Bobbin and producing the same. 1,481,243; Jan. 15.
Society of Chemical Industry in Basle. (See Straub, F., and Sallmann, assignors.)
Soennecken, F. (See Berger, Richard, assignor.)
Sommer, John J., North Attleboro, Mass., J. O. Otis, E. W. MacAllister, and A. B. Lemon, Providence, R. I. Badge. Des. 63,810; Jan. 15.
Sonju, Ole O., Two Harbors, Minn. Snowplow. 1,480,576; Jan. 15.
Sordillo, Fortunato, Dorchester, Mass. Music stand. 1,480,788; Jan. 15.
Soss, Joseph, New York, N. Y. Antirattling doorknob. 1,480,700; Jan. 15.
Souders, Addison J., East Akron, Ohio. Window-shade roller. 1,480,962; Jan. 15.
Spencer Thermostat Company. (See Marshall, Laurence K., assignor.)
Sperry, Elmer A., Brooklyn, N. Y. Automatic sighting mechanism for aircraft guns. 1,481,248; Jan. 15.
Spine, Charles R., and S. McMahon, Somerville, N. J. Holder. 1,481,236; Jan. 15.
Sproull, George F., Montgomery, Ala. Seed planter. 1,480,963; Jan. 15.
Spurrier, William W., St. Louis, assignor of 38% to B. F. Schuets, Jefferson City, Mo. Burglarproof container. 1,481,073; Jan. 15.
Staggers, William F., Mannington, W. Va. Friction-grip dust cap. 1,480,701; Jan. 15.
Stahl, Edward J., assignor to The Baker R & L Company, Cleveland, Ohio. Seat construction. 1,480,789; Jan. 15.
Stanley, Irving, assignor to Angel International Corporation, New York, N. Y. Paraffining apparatus. 1,480,790; Jan. 15.
Stattmann, Walter A., assignor to H. R. Adams, Chicago, Ill. Bottle. 1,481,034; Jan. 15.
Stattmann, Walter A., assignor to Public Safety Cap Company, Chicago, Ill. Safety seal for bottles and the like. 1,481,035; Jan. 15.
Stauber, Benjamin F., Spokane, Wash. Vehicle wheel rim. 1,481,036; Jan. 15.
Steichen, Marie C., New York, N. Y. Permanent hair waving. 1,480,638; Jan. 15.
Stein, Julius W., and E. Buchman, New York, N. Y. Machine for sharpening cutlery. 1,480,791; Jan. 15.
Steiner, Frank M., Minneapolis, Minn., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,481,246; Jan. 15.
Steiner, George A., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,481,037; Jan. 15.
Steiner Sales Company. (See Steiner, Frank M., assignor.)
Steiner Sales Company. (See Steiner, George A., assignor.)
Steinmüller, Lebrecht, Gummersbach, Germany. Traveling-grate furnace. 1,480,964; Jan. 15.
Steinmüller, Lebrecht, and M. Gensch, deceased, by E. Gensch, born Seeger, executrix, Gummersbach, Germany. Traveling-grate furnace. 1,480,965; Jan. 15.
Stephenson, Milton E., Boston, Mass. Foot-massaging device. 1,481,038; Jan. 15.
Sternberg, William D., London, England. Heel. 1,481,074; Jan. 15.
Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-setting machine. 1,480,577; Jan. 15.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stockwell, Bert, assignor of one-half to G. H. Garriah, Tacoma, Wash. Wheel dog. 1,480,966; Jan. 15.
Stoffel, Walter, Greenleaf, Kans. Well-drill coupling. 1,480,967; Jan. 15.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Electrical contact device. 1,480,968; Jan. 15.
Stone, Howard R., Evanston, assignor to American Colortype Company of Illinois, Chicago, Ill. Producing imitations of oil paintings. 1,480,639; Jan. 15.
Stop-Burglar Lock Company. (See Hill, Elert A., assignor.)
Stout, Edward C. (See Weydell, Jarl M., assignor.)
Straub, Francis J., New Kensington, Pa., assignor to Crosier-Straub, Inc., New York, N. Y. Machine for making building blocks. 1,481,159; Jan. 15.
Straub, Fritz, and R. Sallmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of chromium compounds of azo dyestuffs. 1,480,640; Jan. 15.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Feeder for cotton gins. 1,480,792; Jan. 15.
Stripe, William C., Pittsburgh, Pa. Automatic stoker. 1,480,868; Jan. 15.
Stronse, George C., Sebring, Ohio. Pendulum-demonstrating apparatus. 1,481,075; Jan. 15.
Sullivan Machinery Company. (See Glaser, George H., assignor.)
Sundell, Ernest W., Oak Park, Ill. Star map. 1,480,793; Jan. 15.
Superior Metal Co. (See Mueller, John J., jr., assignor.)
Sweet, Laurence A., Los Angeles, Calif. Automobile lock. 1,480,794; Jan. 15.
Switzer, Elmer E., assignor to Switzer Packing Company, Beaumont, Tex. Hydraulic packing. 1,481,160; Jan. 15.
Switzer Packing Company. (See Switzer, Elmer E., assignor.)
Symmes, Ernest M., assignor to Hercules Powder Company, Wilmington, Del. Blasting cap. 1,480,795; Jan. 15.
Szirmay, Charles M., assignor to Electric Screen Curtain Controls, Inc., New York, N. Y. Electric screen-curtain control. 1,480,918; Jan. 15.
Tasler, David B., Chicago, Ill. Cigarette case. 1,481,161; Jan. 15.
Taylor, Alfred W. (See Hunter, William K., assignor.)
Taylor, Maurice C., C. A. Gammal, and R. E. Gegenheimer, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of hypochlorites. 1,481,039; Jan. 15.
Taylor, Maurice C., R. B. MacMullin, and R. E. Gegenheimer, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of hypochlorites. 1,481,040; Jan. 15.
Tetzlaff, Frank, deceased, Brooklyn, N. Y.; E. Geffke and H. Geffke, executors. Sliding-door support. 1,480,641; Jan. 15.
Themak, Edward, and J. Vitaglione, New York, N. Y. Automobile signal. 1,481,162; Jan. 15.
Theoret, Lionel, Asquith, Saskatchewan, Canada. Axle construction. 1,480,642; Jan. 15.
Thomas, Felix, assignor to the Firm Chemische Fabrik Griesheim-Elektron, Frankfort-on-the Main, Germany. Coloring magnesium and magnesium alloys by etching. 1,480,869; Jan. 15.
Thomas, Felix, assignor to the Firm Chemische Fabrik Griesheim-Elektron, Frankfort-on-the Main, Germany. Rolling magnesium alloys. 1,480,870; Jan. 15.
Thommes, Carl E. (See Busch, M. C., and Thommes.)
Thompson, William R., Rowayton, Conn., assignor to J. Tiebont, New York, N. Y. Plural-door lock. 1,480,643; Jan. 15.
Thomson, David, assignor to Nutriment Limited, London, England. Disintegrating solid substances. 1,480,969; Jan. 15.
Tiebout, John. (See Thompson, William R., assignor.)
Tiffin, Vandevere, Tacoma, Wash., assignor of nineteen-twentieths to F. Kelble and one-twentieth to J. G. Luhrman, Seattle, Wash. Child's vehicle. 1,480,871; Jan. 15.
Tilton, Elvin, Wheeling, W. Va., assignor to himself, J. M. Du Bois, and S. G. Crow, Bellaire, Ohio, and C. M. Watson, Wheeling, W. Va. Well reamer. 1,480,578; Jan. 15.
Tin Decorating Company of Baltimore, The. (See Wilcox, Josiah T., assignor.)
Toennes, Rudolph, Boonville, Mo. Cooling device for marine engines. 1,481,112; Jan. 15.
Topping, Charles T., Pittsburgh, Pa. Portable turntable. 1,480,872; Jan. 15.
Townsend, William S., and F. E. Douglass, Rochester, Pa. Visible display attachment for measuring pumps. Re15,748; Jan. 15.
Trencham, Henry, Ruislip, and E. B. Wedmore, London, England, assignors to General Electric Company. Electric switch. 1,480,970; Jan. 15.
Treo Company. (See Prentice, George E., assignor.)
Troeger, Max A. (See Schoder, C. E., and Troeger.)
Turner, Ernest J. (See Howard, B. H., and Turner.)
Turner Tanning Machinery Company, The. (See Kehrhahn, Alexander H., assignor.)
Tuttle, James K. (See Bem, J. P., and Tuttle.)
U. S. Ball Bearing Manufacturing Company. (See Diesk, John, assignor.)
U. S. Ball Bearing Manufacturing Company. (See Erickson, Petrus, assignor.)
U. S. Ball Bearing Manufacturing Company. (See Wickland, Harry, assignor.)
Underwood Typewriter Company. (See Howell, Arthur E., assignor.)

Underwood Typewriter Company. (See Wherry, John A., assignor.)
Union Special Machine Company. (See Berger, Joseph, assignor.)
United Metal Spinning Co. (See Nacke, Karl, assignor.)
United Shoe Machinery Corporation. (See Bostock, William F., assignor.)
United Shoe Machinery Corporation. (See King, William B., assignor.)
United States Fastener Company. (See Holmes, George A., assignor.)
Universal Knitting Machine Company. (See Berger, Ollie J., assignor.)
Van de Carr, Charles R., jr., Grand Mere, Quebec, Canada. Pulp-sheet-leveling attachment for paper-making machines. 1,481,163; Jan. 15.
Van Nattan, Verle V., and W. W. Davis, San Francisco, Calif.; said Van Nattan assignor to said Davis. Grease cup. 1,480,844; Jan. 15.
Van Orman, Bert L., Wyandotte, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-spring-making machine. 1,480,796; Jan. 15.
Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Automatic machine-control means. 1,480,797; Jan. 15.
Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wire-spring-making machine. 1,480,798; Jan. 15.
Varney, William W. (See Dirzuweit, John F., assignor.)
Vass, Joseph, Sharpsville, Pa. Vending machine. 1,480,799; June 15.
Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Magnetic counter. 1,480,738; Jan. 15.
Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
Vester, Alfred, Sons, Inc. (See Gerth, Ruth L., assignor.)
Vidaver, Maxwell, assignor to Film Inspection Machine Company, Inc., New York, N. Y. Film-testing instrument. 1,480,845; Jan. 15.
Vitaglione, John. (See Themak, E., and Vitaglione.)
Vogan, Frank M., Canton, Ohio. Die and making the same. 1,480,644; Jan. 15.
Vogtman, Louis F., Park Rapids, Minn. Stovepipe coupler. 1,480,792; Jan. 15.
Von Zeerleder, Alfred, assignor to Aluminum-Industrie-Aktiengesellschaft, Neuhausen, Switzerland. Aluminum alloy. 1,480,846; Jan. 15.
Vulcan Iron Works. (See Damon, George B., assignor.)
Wagenhorst, James H., Akron, Ohio. Making wheels. 1,481,164; Jan. 15.
Wagner, Fritz, Berlin-Lichterfelde, Germany. Valve. 1,480,873; Jan. 15.
Walt, Thaddeus S., assignor of one-half to J. Henry, Sturgis, Mich. Curtain fixture. 1,480,800; Jan. 15.
Walker, Arlo C., administrator. (See Walker, Charles W., and A. C.)
Walker, Arlo C. (See Walker, Charles W. and A. C.)
Walker, Charles W., deceased, and A. C. Walker, by A. C. Walker, administrator, Bridgeport, Conn. Typewriting machine. 1,480,719; Jan. 15.
Walker, Herbert E., Chicago, Ill. Storage-battery clip. 1,480,847; Jan. 15.
Walker, Robert S. (See Keech, V. L., and Hurtley, assignor.)
Walker, Selah E., Wrangell, Alaska. Means for re-forming can bodies. 1,481,237; Jan. 15.
Waller, Alfred E., Bronxville, N. Y., assignor to Ward Leonard Electric Company. Resistance device. 1,480,645; Jan. 15.
Wallace, Archibald L., New York, N. Y. Wrench. 1,480,971; Jan. 15.
Wallace, Archibald L., New York, N. Y. Wrench. 1,480,972; Jan. 15.
Waller, Philip H., assignor to Excel Tool, Die & Machine Corporation, Buffalo, N. Y. Washing machine. 1,480,646; Jan. 15.
Walrath, Burton A., Sioux City, Iowa. Gear-shifting mechanism. 1,481,041; Jan. 15.
Walsh, George W., Kansas City, Kans. Oil burner. 1,480,848; Jan. 15.
Walters, Albert F., Syracuse, N. Y. Lock hinge for doors and other movable elements. 1,480,647; Jan. 15.
Walther, Fritz and G. W., Zella-Mehlis, Germany. Automatic firearm. 1,481,042; Jan. 15.
Walther, Georg. (See Walther, Fritz and G.)
Walthier, Michael, Central Bridge, N. Y. Corn or fertilizer sower machine. 1,480,801; Jan. 15.
Ward, John C., Beaumont, Tex. Ice-removing apparatus. 1,480,703; Jan. 15.
Ward Leonard Electric Company. (See Waller, Alfred E., assignor.)
Ward, Wilburt, Trident, Mont. Kiln-heating device. 1,480,973; Jan. 15.
Wardman, Charles B., Southport, England. Bodies for use on motor vehicles. 1,481,043; Jan. 15.
Ware, Henry E., Moorcroft, Wyo. Gate. 1,481,044; Jan. 15.
Warner Brothers Company, The. (See Warner, D. H., and Lovejoy, assignors.)
Warner, De Ver H., and L. B. Lovejoy, assignors to The Warner Brothers Company, Bridgeport, Conn. Buckle. 1,480,579; Jan. 15.
Warr, Harold G., Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,480,974; Jan. 15.
Washburn-Crosby Company. (See Harding, Henry O'B., assignor.)
Watkins, Thomas C., Brooklawn, N. J., assignor to Master Tubeless Tire Corporation. Tire filler. 1,480,580; Jan. 15.
Watson, C. Monroe, et al. (See Tilton, Elvin, assignor.)
Webb, Arthur B., assignor to Monarch Tractors Incorporated, Watertown, Wis. Snowplow. 1,480,581; Jan. 15.
Weed, Harry D., U. S. Army. Bomb-release gear. 1,480,582; Jan. 15.
Weeden, Arthur W., Quincy, assignor of one-half to J. D. McCoy, Beachmont, Revere, Mass. Self-erasing memorandum pad. 1,480,920; Jan. 15.
Wedmore, Edmund B. (See Trencham, H., and Wedmore.)
Weigel, John, Cincinnati, Ohio. Gas and oil burning heater. 1,481,045; Jan. 15.
Weinmann, William, Preakness, assignor of one-half to B. Boonstra, Paterson, N. J. Bottle holder. 1,480,921; Jan. 15.
Weiss, John, Pompton Plains, N. J. Swimming device. 1,480,874; Jan. 15.
Wells, Leslie L., Pilger, Nebr. Whiffle hook. 1,481,165; Jan. 15.
Wells, Loren S., New York, N. Y. Electric heater. 1,481,113; Jan. 15.
Westerman, Frederick, Chicago, Ill. Beater. Re15,746; Jan. 15.
Westinghouse Electric & Manufacturing Company. (See Brackett, Quincy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colwin, Stuart H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Garcelon, George H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Yensen, Trygve D., assignor.)
Weydell, Jarl M., Indianapolis, Ind., assignor of one-half to E. C. Stout. Electric heater. 1,480,922; Jan. 15.
Wheeler, Henry A., Jacksonville, Fla. Shingle. 1,480,704; Jan. 15.
Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vapor interceptor for vacuum fuel-feed device. 1,480,810; Jan. 15.
Wheeling Mold & Foundry Co. (See Rauschenberg, Emil C., assignor.)
Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Collating device for typewriters and adding machines. Re15,747; Jan. 15.
Whisner, Allen H., Gibsonville, N. C. Nursing-bottle holder. 1,481,166; Jan. 15.
White, Malcolm M., Appleton, Tenn. Piston ring. 1,481,167; Jan. 15.
White, Richard P., Chicago, Ill. Package for stoneware or the like. 1,480,583; Jan. 15.
Wickes, Hervy P., Charlerol, Pa. Baseball game. 1,481,247; Jan. 15.
Wickland, Harry, Philadelphia, Pa., assignor to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Assembling ball bearings. 1,480,975; Jan. 15.
Wight, Charles C., San Antonio, Tex. Patch for inner tubes. 1,480,976; Jan. 15.
Wilcox, Josiah T., Westfield, N. J., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Pocket package and container. 1,480,923; Jan. 15.
Wilhite, Eugene M., Indianapolis, Ind. Rule. 1,480,584; Jan. 15.
Wilkie, James G., Brooklyn, N. Y. Attachment for gas stoves. 1,480,585; Jan. 15.
Wilkins, Charles D., Wheeling, W. Va. Collar fastener. 1,480,977; Jan. 15.
Wilkins, Norman E. (See Light, L., and Wilkins.)
Willat, Arnold F. (See Rhodes, C. P., and Willat.)
Willett, Frank N. L., Aurora, Ill. Sheep shear. 1,480,586; Jan. 15.
Willey, Grafton H. (See Carrier, Paul S., assignor.)
Williams, J. H., & Co. (See Bufford, George W., assignor.)
Williams, White & Company. (See Eynon, Thomas, assignor.)
Wilson, James S., Jamestown, Ohio. Razor. 1,481,168; Jan. 15.
Wilson, Ray C., New York, and H. S. Arnold, Brooklyn, N. Y. Electric-wiring system. 1,480,587; Jan. 15.
Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
Wirebounds Patents Company. (See Fowler, Neil A., assignor.)
Wirtz, William, Cristobal, Canal Zone, Panama. Washing machine. 1,480,705; Jan. 15.
Wise-McClung Manufacturing Company, The. (See Wise, W. J., and Adams, assignors.)

Wise, William J., and T. O. Adams, assignors to The Wise-McClung Manufacturing Company, New Philadelphia, Ohio. Adjustable wheel for vacuum cleaners. 1,480,588; Jan. 15.
Witte, Meinhard, Minneapolis, Minn. Radiator-core-assembling machine. 1,481,169; Jan. 15.
Wloszek, John, Donora, Pa. Window shade and curtain support. 1,481,076; Jan. 15.
Wojciechowski, Frank M., North Attleboro, assignor to Marathon Company, Attleboro, Mass. Document case. Des. 63,811; Jan. 15.
Wojciechowski, Frank M., North Attleboro, assignor to Marathon Company, Attleboro, Mass. Document case. Des. 63,812; Jan. 15.
Wolf Safety Lamp Co. of America, Inc. (See Anglada, Domingo, assignor.)
Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Lamp. Des. 63,813; Jan. 15.
Wompey, John J., Denver, Colo. Cooling box. 1,481,170; Jan. 15.
Wondruschka, Josef, and S. Duda, New York, N. Y. Cutting oil. 1,480,589; Jan. 15.
Wood, Milton R., New York, N. Y. Advertising device. 1,481,171; Jan. 15.
Wood Products and By-Products Corporation. (See Fish, Frederick K., jr., assignor.)
Wood, William, Vancouver, British Columbia, Canada. Choker-rod-retaining means. 1,480,924; Jan. 15.
Woodward, Arthur C., Cranford, assignor to The A. & F. Brown Company, Elizabethport, N. J. Flexible coupling. 1,480,648; Jan. 15.
Worthington Mower Company. (See Holbrook, Harry, assignor.)
Wrenn Adding Machine Company, The. (See Wrenn, Herbert A., assignor.)
Wrenn, Herbert A., Washington, D. C., assignor, by mesne assignments, to The Wrenn Adding Machine Company, Wilmington, Del. Calculating machine. 1,481,172; Jan. 15.
Wright, Arthur E., Gardner, Ill. Roof-framing device. 1,480,925; Jan. 15.
Wright, Charles A., Riverton, N. J. Label holder. 1,481,173; Jan. 15.
X-lent Company. (See Fetters, Charles A., assignor.)
Yale & Towne Manufacturing Company. (See Moseley, William P., assignor.)
Yensen, Trygve D., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Forgeable alloys of iron and nickel. 1,480,706; Jan. 15.
Young, L. A., Industries, Inc., The. (See Falls, William A., assignor.)
Young, L. A., Industries, Inc. (See Van Orman, Bert L., assignor.)
Zimmerman, Fred G., Cloverdale, Calif. Restraining device. 1,481,174; Jan. 15.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator. D. Angiada. 1,481,079; Jan. 15.
Actuating device. K. O. Nelson. 1,480,734; Jan. 15.
Addressing machine. F. De Minico. 1,480,547; Jan. 15.
Adjusting mechanism. T. M. Brueck. 1,480,990; Jan. 15.
Advertising device. M. R. Wood. 1,481,171; Jan. 15.
Aerial vehicles, Hangar for. F. J. Luebbert. 1,481,019; Jan. 15.
Agricultural implement. T. Berry. 1,480,876; Jan. 15.
Air washer. N. C. Marien. 1,480,775; Jan. 15.
Alloy, Aluminum. A. von Zeerleder. 1,480,846; Jan. 15.
Alloys, Rolling magnesium. F. Thomas. 1,480,870; Jan. 15.
Aluminum compound. H. B. Bishop. 1,480,928; Jan. 15.
Animal pen. A. H. Neller. 1,481,108; Jan. 15.
Annealing box, Cast-metal. E. C. Rauschenberg. 1,481,150; Jan. 15.
Antiskid chain. J. H. McCormick, jr. 1,481,020; Jan. 15.
Apparel hanger. L. J. Moran. 1,480,829; Jan. 15.
Arch. L. Davidson. 1,480,882; Jan. 15.
Arch supporter. F. Grossman. 1,481,133; Jan. 15.
Assembling machine, Bolt and nut. T. Eynon. 1,480,677; Jan. 15.
Auto signaling device. L. Kowalak. 1,481,101; Jan. 15.
Auto theft-preventing device. R. O. Nelson. 1,480,735; Jan. 15.
Auto wheels, Nonskid-chains for. W. F. Schwiesow. 1,481,232; Jan. 15.
Automatic sprinkler. S. Dorais. 1,480,676; Jan. 15.
Automobile brake. A. Hubalek. 1,480,822; Jan. 15.
Automobile direction indicator. G. H. Davis. 1,480,816; Jan. 15.
Automobile jack and shifter. A. W. Allen and A. E. Koshell. 1,480,850; Jan. 15.
Automobile light. R. Gott. 1,481,057; Jan. 15.
Automobile lock. L. A. Sweet. 1,480,794; Jan. 15.
Automobile signal. E. Themak and J. Vitaglione. 1,481,162; Jan. 15.
Automobiles, Electrical connection for. J. Blackburn. 1,480,656; Jan. 15.
Automobiles, Lock for gasoline tanks for. H. H. Brooker. 1,480,989; Jan. 15.
Automobiles, Permutation lock for. G. L. Baker. 1,480,590; Jan. 15.
Axle. E. V. Elconin. 1,480,933; Jan. 15.
Axle construction. L. Theoret. 1,480,642; Jan. 15.
Badge. J. J. Sommer, J. O. Otis, E. W. MacAllister, and A. B. Lemon. Des. 63,810; Jan. 15.
Bag: *See*—
  Brief bag.
Balancing system. C. L. Fortescue. 1,480,710; Jan. 15.
Ball retainers and the like, Making. P. Erickson. 1,481,000; Jan. 15.
Barrel. B. B. Michaels. 1,480,689; Jan. 15.
Barrel heater. W. H. Barton. 1,480,981; Jan. 15.
Barrel-making machine. R. J. McClenny and D. B. Bardin. 1,481,139; Jan. 15.
Barrette. D. P. Gleason. 1,480,935; Jan. 15.
Bathing suit. E. G. Osterman. 1,480,862; Jan. 15.
Battery: *See*—
  Electric battery. Storage battery.
Bearing. H. Selker. 1,480,571; Jan. 15.
Bearings, Assembling ball. J. Diesk. 1,480,998; Jan. 15.
Bearings, Assembling ball. H. Wickland. 1,480,975; Jan. 15.
Beater. F. Westerman. Re15,746; Jan. 15.
Bed spring and cabinet, Combination. L. Diamond. 1,480,853; Jan. 15.
Belt or preserver, Life-saving. A. Pastor. 1,481,144; Jan. 15.
Beverage mixer. S. J. Poplawski. 1,480,914; Jan. 15.
Bicycles, Free-wheel and brake hub for. P. Bourgard. 1,481,046; Jan. 15.
Blasting cap. E. M. Symmes. 1,480,795; Jan. 15.
Blasting, Tamping plug for use in. A. Cockburn. 1,480,894; Jan. 15.
Bleach apparatus, Liquid-. J. H. MacMahon. 1,481,107; Jan. 15.
Bleach solutions, Preparation of liquid-. J. H. MacMahon. 1,481,106; Jan. 15.
Block: *See*—
  Chopping block. Concrete building block.
Blood-pressure recorder. C. E. Dressler. 1,481,084; Jan. 15.

Board: *See*—
  Ironing board.
Bobbin and producing the same. R. V. Snyder and M. Curry. 1,481,243; Jan. 15.
Boiler: *See*—
  Steam boiler.
Boilers, Device for regulating the air supply to furnaces of steam. S. Deutsch. 1,480,673; Jan. 15.
Boilers, Method of and system for washing out. S. Otis. 1,480,737; Jan. 15.
Boot and shoe sole structure. B. Ross. 1,481,028; Jan. 15.
Bottle. W. A. Stattmann. 1,481,034; Jan. 15.
Bottle holder, Nursing-. A. H. Whisner. 1,481,166; Jan. 15.
Bottle closure. F. G. Shull. 1,481,155; Jan. 15.
Bottle closure, Milk-. J. P. Mahoney. 1,480,826; Jan. 15.
Bottle for a floating signal. G. F. Mulholland. Des. 63,796; Jan. 15.
Bottle holder. W. Weinmann. 1,480,921; Jan. 15.
Bottle, Nursing. G. L. Dunkelberger. 1,480,855; Jan. 15.
Bottles and the like, Safety seal for. W. A. Stattmann. 1,481,035; Jan. 15.
Bowl and spoon holder, Combination. J. Dreistadt. Des. 63,779; Jan. 15.
Box: *See*—
  Annealing box. Powder box.
  Cooling box. Sketch box.
  Paper box.
Box. C. E. Beardsley. 1,480,654; Jan. 15.
Box press. F. W. Cutler. 1,480,895; Jan. 15.
Box stitcher. E. Hennings. 1,480,682; Jan. 15.
Brake: *See*—
  Automobile brake. Power brake.
Brake band. W. L. Fournier. 1,480,717; Jan. 15.
Brake beams, Mount for third or fourth point supports for. E. G. Busse. 1,480,742; Jan. 15.
Branding iron. W. C. Krause. 1,481,102; Jan. 15.
Brief bags. M. Brooks. 1,481,182; Jan. 15.
Brush, Shaving. L. Foltan. 1,480,754; Jan. 15.
Buckle. G. E. Prentice. 1,481,025; Jan. 15.
Buckle. D. H. Warner and L. B. Lovejoy. 1,480,579; Jan. 15.
Building blocks, Machine for making. F. J. Straub. 1,481,159; Jan. 15.
Burglarproof container. W. W. Spurrier. 1,481,073; Jan. 15.
Burner: *See*—
  Gas burner. Oil burner.
Burner. C. D. Morgan. 1,480,944; Jan. 15.
Button. M. M. Robinson. 1,480,839; Jan. 15.
Button, Cuff. P. S. Carrier. 1,481,083; Jan. 15.
Button, Cuff. O. L. Gammell. 1,480,755; Jan. 15.
Cabinet, Towel. G. A. Steiner. 1,481,037; Jan. 15.
Cabinet, Towel. F. M. Steiner. 1,481,246; Jan. 15.
Calculating machine. H. A. Wrenn. 1,481,172; Jan. 15.
Camera support. C. G. Bailey. 1,480,651; Jan. 15.
Can. F. B. DeMotte. 1,480,897; Jan. 15.
Can bodies, Means for reforming. S. E. Walker. 1,481,237; Jan. 15.
Cans, Apparatus for repairing ice. S. C. McClure. 1,481,215; Jan. 15.
Cap, Friction-grip dust. W. F. Staggers. 1,481,701; Jan. 15.
Car couplers, Emergency knuckle for. E. R. Packer. 1,480,863; Jan. 15.
Car coupling. C. G. Feucht. 1,480,678; Jan. 15.
Car truck of the six-wheel or three-axle type. C. L. Orr and G. T. Johnson. 1,480,630; Jan. 15.
Car trucks, Side frame for freight-. W. F. Kiesel, jr. 1,480,727; Jan. 15.
Car ventilation. L. P. Hynes. 1,480,554; Jan. 15.
Carbonization or destructive distillation, Method of and apparatus for. S. McEwen. 1,481,140; Jan. 15.
Card and holder, Identification. F. Brombosz. 1,481,120; Jan. 15.
Carton, Display. C. E. Schoder and M. A. Troeger. 1,480,570; Jan. 15.
Case: *See*—
  Cigarette case.
Caster. F. A. Baum. 1,480,851; Jan. 15.
Caster cup. W. T. Hight. 1,480,758; Jan. 15.
Casting apparatus. W. W. McCarter. 1,480,887; Jan. 15.
Chain coupling. D. M. Cupp. 1,481,126; Jan. 15.

Chair: *See*—
  Gunner's chair.
Chair. I. Hebert. 1,480,905; Jan. 15.
Check protector. S. E. Peters. 1,480,690; Jan. 15.
Cherries, Treating and preserving. J. A. Ford. 1,480,607; Jan. 15.
Chimes, Hammer for. G. L. Smith. 1,481,072; Jan. 15.
Chopping block, Culinary. A. Schickerling. 1,481,030; Jan. 15.
Cigarette case. D. B. Tasler. 1,481,161; Jan. 15.
Cigarette holder. C. P. Rhodes and A. F. Willat. 1,480,838; Jan. 15.
Cinematographic apparatus, Intermittent-feed mechanism for. P. A. Reed. 1,480,864; Jan. 15.
Cleaner: *See*—
  Spark-plug cleaner.
Clip: *See*—
  Storage-battery clip.
Clock. E. Mathes. 1,481,022; Jan. 15.
Clock case and electric lamp, Combined. L. Baldinger. Des. 63,766; Jan. 15.
Closure fastener. A. J. Cox. 1,480,544; Jan. 15.
Clothes wringer. F. L. Chamberlain. 1,480,744; Jan. 15.
Clothesline. J. Adams. 1,481,077; Jan. 15.
Cigar cutters, Guard for. E. W. Gates. 1,480,550; Jan. 15.
Coal, System and apparatus for mining. E. C. Morgan. 1,480,733; Jan. 15.
Coaster brake, Reverse-pedaling ball-clutch. A. J. Mottlau. 1,480,565; Jan. 15.
Coin-controlled apparatus. H. K. Lorentzen. 1,480,560; Jan. 15.
Coin holder. A. Blickfeldt. 1,480,877; Jan. 15.
Coin tubes, Auxiliary coin support for. A. Beck. 1,480,983; Jan. 15.
Coffeepot. C. F. Blanke. 1,480,657; Jan. 15.
Collar fastener. C. D. Wilkins. 1,480,977; Jan. 15.
Combination tool. M. C. Busch and C. E. Thommes. 1,481,186; Jan. 15.
Composition. T. Smith. 1,480,867; Jan. 15.
Composition of matter and making same. A. Pacz. 1,480,779; Jan. 15.
Concrete blocks, Method and mold for making. A. B. Foans. 1,481,087; Jan. 15.
Concrete bodies, Making and curing hollow. H. A. Barkschat. 1,480,740; Jan. 15.
Concrete building block. D. D. Briggs. 1,480,986; Jan. 15.
Concrete piles, Means for and method of producing. M. Blumenthal. 1,480,878; Jan. 15.
Condensers, Terminal connection for. W. Dubilier. 1,480,604; Jan. 15.
Condiment holder or salt shaker. E. A. Corbin, jr. 1,480,932; Jan. 15.
Container-lining forming device. H. R. Leonhard. 1,481,016; Jan. 15.
Control means, Automatic machine-. B. L. Van Orman. 1,480,797; Jan. 15.
Conveyer, Gravity. W. R. Bankson. 1,481,176; Jan. 15.
Cooker, Food. A. Hackbarth. 1,481,198; Jan. 15.
Cooker, Pressure. A. L. Primeau. 1,480,782; Jan. 15.
Cooling box. J. J. Wompey. 1,481,170; Jan. 15.
Copyholder, sight-reader and spacer, Combined. G. C. Hohein. 1,480,724; Jan. 15.
Copying machines, Mounting for paper rollers of. R. Berger. 1,480,927; Jan. 15.
Core boxes, Means for venting. H. L. Demmler. 1,480,747; Jan. 15.
Cornice and pilaster for store furniture, Combination. T. C. Cameron. Des. 63,770–5; Jan. 15.
Cornice and pilaster for store furniture, Combined. C. C. Curtis. Des. 63,778; Jan. 15.
Counterbalancing mechanism. L. G. Bayrer. 1,480,592; Jan. 15.
Coupling: *See*—
  Car coupling. Pipe coupling.
  Chain coupling. Turbine coupling.
  Flexible coupling. Well-drill coupling.
Coupling. E. Hafer. 1,480,757; Jan. 15.
Cribbing. J. S. Huntoon. 1,481,244; Jan. 15.
Cross, Ornamental. J. S. Brennan. 1,480,880; Jan. 15.
Crumb collector. H. Mock. 1,480,562; Jan. 15.
Cup: *See*—
  Caster cup. Grease cup.
Curling-iron heater, Electrical. A. H. Opperman. 1,481,065; Jan. 15.
Current regulation. A. E. Buchenberg. 1,481,184; Jan. 15.
Currents of undesirable frequencies, Absorption of. R. E. Hellmund. 1,480,723; Jan. 15.
Currents, Phase converter for single-phase. C. L. Fortescue. 1,480,712; Jan. 15.
Curtain control, Electric screen-. C. M. Szirmay. 1,480,918; Jan. 15.
Curtain fixture. T. S. Wait. 1,480,800; Jan. 15.
Cutlery, Machine for sharpening. J. W. Stein and E. Buchman. 1,480,791; Jan. 15.
Cutter: *See*—
  Gear cutter. Lens cutter.
Cylinder mill. A. Bühler. 1,480,893; Jan. 15.
Cylinder, Reversible. H. W. Cutshall. 1,480,745; Jan. 15.
Damper. T. Olinger. 1,480,949; Jan. 15.
Decanter. P. Bianco. Des. 63,769; Jan. 15.

Demonstrating or advertising device. C. Munzner. 1,481,143; Jan. 15.
Dental shoulder-cutting instrument. J. A. Lentz. 1,480,730; Jan. 15.
Dental stress breaker. C. J. Emerson. 1,480,549; Jan. 15.
Die and making the same. F. M. Vogan. 1,480,644; Jan. 15.
Differential mechanism. H. W. Connell. 1,480,905; Jan. 15.
Differential mechanism. A. Miller. 1,480,828; Jan. 15.
Digging apparatus. A. Smith. 1,481,234; Jan. 15.
Direction signal. S. B. Nowak. Des. 63,799; Jan. 15.
Dish, Covered. G. Hassalls. Des. 63,785; Jan. 15.
Disintegrating solid substances. D. Thomson. 1,480,969; Jan. 15.
Display rack. P. S. Henderson. Des. 63,786; Jan. 15.
Display stand. C. B. Goes. 1,480,681; Jan. 15.
Distribution system. C. L. Fortescue. 1,480,714; Jan. 15.
Document case. F. M. Wojciechowski. Des. 63,811–2; Jan. 15.
Door. S. J. Folland. 1,481,239; Jan. 15.
Door construction, Safe-deposit-. W. P. Moseley. 1,480,945; Jan. 15.
Door-hanger structure. L. Light and N. E. Wilkins. 1,480,781; Jan. 15.
Door-lock, Cartridge-firing. J. De John. 1,480,672; Jan. 15.
Door lock, Plural. W. R. Thompson. 1,480,643; Jan. 15.
Door-operating apparatus, Mine-. H. Frank and J. Lewis. 1,481,128; Jan. 15.
Door support, Sliding-. F. Tetzlaff. 1,480,641; Jan. 15.
Door, Stock. H. H. Pals. 1,480,632; Jan. 15.
Doors and other movable elements, Lock hinge for. A. F. Walters. 1,480,647; Jan. 15.
Doors, Locking device for garage. J. Schneider. 1,480,958; Jan. 15.
Doorknob, Antirattling. J. Soss. 1,480,700; Jan. 15.
Drilling machine, Well-. O. E. Miller. 1,481,219; Jan. 15.
Drilling machines, Multiple-speed driving mechanism for. W. R. Fox. 1,481,054; Jan. 15.
Drink mixer. S. J. Poplawski. 1,480,915; Jan. 15.
Drying and conditioning material, Machine for. E. B. Ayres and T. H. Rhoads. 1,481,116; Jan. 15.
Dust collector. L. L. Ladd. 1,480,685; Jan. 15.
Dyestuffs, Manufacture of chromium compounds of azo. F. Straub and R. Sallmann. 1,480,640; Jan. 15.
Electric battery. R. C. Benner and H. F. French. 1,481,178; Jan. 15.
Electric battery. D. Pepper. 1,481,145; Jan. 15.
Electric-current impulses, Means for producing a perforated tape by. G. J. J. Rosendahl. 1,481,153; Jan. 15.
Electric furnace. T. Rondelli. 1,481,228; Jan. 15.
Electric-furnace signal. W. W. Miron. 1,480,626; Jan. 15.
Electric heater. O. A. Colby. 1,480,667; Jan. 15.
Electric heater. L. W. Serrell. 1,480,787; Jan. 15.
Electric heater. L. S. Wells. 1,481,113; Jan. 15.
Electric heater. J. M. Weydell. 1,480,922; Jan. 15.
Electric iron. A. M. Rasmussen. 1,481,225; Jan. 15.
Electric-light bracket. C. B. Rogers. Des. 63,808; Jan. 15.
Electric machine, Commutator dynamo-. S. R. Bergman. 1,480,892; Jan. 15.
Electric motor. P. T. King. 1,481,213; Jan. 15.
Electric-motor-circuit control. H. E. Chipman. 1,480,993; Jan. 15.
Electric resistor and its manufacture. F. J. Dirznweit. 1,480,675; Jan. 15.
Electric switch. H. G. French and H. J. H. Huber. 1,480,899; Jan. 15.
Electric switch. H. Trencham and E. B. Wedmore. 1,480,970; Jan. 15.
Electric transformers, Protective means for the leads of. F. S. Smith. 1,480,574; Jan. 15.
Electric wiring system. R. C. Wilson and H. S. Arnold. 1,480,587; Jan. 15.
Electrical contact device. S. S. Stolp. 1,480,968; Jan. 15.
Electrical systems, Controller for. L. S. Keilholtz. 1,480,618; Jan. 15.
Electrodes, Control of arcing. E. H. Horstkotte. 1,480,908; Jan. 15.
Elevators, Enter lock for. E. Carlson. 1,481,121; Jan. 15.
Elevators, System for controlling the operation of. F. A. Boedtcher. 1,481,119; Jan. 15.
Engine: *See*—
  Gas engine. Internal-combustion engine.
Engines, Air cooling of internal combustion. J. W. Smith. 1,480,866; Jan. 15.
Engines, Automatic lubricator for gasoline. T. H. Cummings. 1,480,545; Jan. 15.
Engines, Cooling device for marine. R. Toennes. 1,481,112; Jan. 15.
Engines, Means for starting internal-combustion. C. F. Heywood. 1,481,091; Jan. 15.
Engines, Reversing gear for internal-combustion. O. A. Banner. 1,480,979; Jan. 15.
Engines, Valve gear for internal-combustion. H. R. Ricardo. 1,481,068; Jan. 15.
Eyelet-inserting machine. W. Ochs. 1,481,064; Jan. 15.

Fan. M. M. Glasser. 1,480,721; Jan. 15.
Fan control, Selective automatic electric. J. G. Heitzman. 1,480,900; Jan. 15.
Fan, Stack. G. B. Damon. 1,481,188; Jan. 15.
Fan, Ventilating. J. Kovach. 1,480,886; Jan. 15.
Fare register. S. Madsen. 1,480,943; Jan. 15.
Fastener, Separable. N. I. De Bie. 1,480,746; Jan. 15.
Feed-controlling device. G. H. Glaser. 1,481,089; Jan. 15.
Filing, Guide for use in. H. Morrison. 1,480,564; Jan. 15.
Film-reeling mechanism. C. L. Fitz. 1,481,086; Jan. 15.
Film-testing instrument. M. Vidaver. 1,480,845; Jan. 15.
Fire extinguisher, Portable. J. G. Robinson and L. J. Schlitzer. 1,481,026; Jan. 15.
Firearm, Automatic. F. and G. Walther. 1,481,042; Jan. 15.
Fish lure. L. O. Edwards. 1,480,707; Jan. 15.
Fishing float. G. E. Bennett. 1,480,655; Jan. 15.
Flexible coupling. A. C. Woodward. 1,480,648; Jan. 15.
Floor machine. A. J. Hitch. 1,480,806; Jan. 15.
Flour packing and loading. H. O'B. Harding. 1,480,859; Jan. 15.
Flowerpot. P. E. D. Cook. Des. 63,777; Jan. 15.
Flowerpot. G. Reusner. Des. 63,803; Jan. 15.
Flowerpots, Support for. F. B. Lemke and C. R. Draeger. 1,481,137; Jan. 15.
Fluid-control means. C. J. Pilliod. 1,480,568; Jan. 15.
Fluorescent screen. W. P. Davey. 1,480,896; Jan. 15.
Fly. L. P. and H. W. Kelly. 1,480,766; Jan. 15.
Fly frame. N. Provencher. 1,480,916; Jan. 15.
Fly paper, Wire holder for. S. A. Holmes. 1,481,060; Jan. 15.
Fly swatter. O. A. Schneider. 1,481,069; Jan. 15.
Flying-mechanism. F. R. Porter. 1,481,024; Jan. 15.
Force-feed cutting mechanism. H. Rehbein. 1,481,152; Jan. 15.
Forgeable alloy of iron and nickel. T. D. Yensen. 1,480,706; Jan. 15.
Fork: *See*—
Hooked fork.
Frame: *See*—
Fly frame. Trial frame.
Frames, Method and means for building and testing tubular. A. D. Meiselbach. 1,480,777; Jan. 15.
Fruit picker. C. W. Le Nove. 1,480,825; Jan. 15.
Fruit pitting and slicing machine. J. Forrester and J. S. Slattery. 1,480,819; Jan. 15.
Fuel, Combustion of pulverized. R. E. H. Pomeroy. 1,481,067; Jan. 15.
Fuel-feed devices, Vapor interceptor for vacuum. L. H. Wheeler. 1,480,810; Jan. 15.
Fuel mixer. R. L. Bennett. 1,481,118; Jan. 15.
Fuels, Production of liquid motor. K. Kelley. 1,480,808; Jan. 15.
Furnace: *See*—
Electric furnace. Smelting furnace.
Ore-roasting furnace. Traveling-grate furnace.
Furnace and operating the same, Electric. G. H. Sethman. 1,481,031; Jan. 15.
Furnaces, Mechanical stoker for forced-draft. J. Bronold. 1,480,988; Jan. 15.
Furniture attachment. J. A. Dailey. 1,480,997; Jan. 15.
Game. H. Holbrook. 1,480,683; Jan. 15.
Game. E. J. Morgan. 1,480,563; Jan. 15.
Game, Baseball. H. P. Wickes. 1,481,247; Jan. 15.
Garments in boxes, Device for supporting. H. T. Loomis. 1,480,687; Jan. 15.
Gas and oil burning heater. J. Weigel. 1,481,045; Jan. 15.
Gas and vapor mixtures, Separating. M. Nuss. 1,481,221; Jan. 15.
Gas burner. E. O. Daniels. 1,481,189; Jan. 15.
Gas engine, Rotary. E. R. Nichols. 1,481,220; Jan. 15.
Gas generator, Acetylene-. L. Campbell, jr. 1,480,597; Jan. 15.
Gas grate. H. R. Humphrey. Des. 63,787; Jan. 15.
Gas holders, Sealing means for. K. Jagschitz. 1,481,099; Jan. 15.
Gases and liquids, Apparatus for producing interaction between. C. H. Marshall. 1,480,888; Jan. 15.
Gases, Preventing sulphur dioxide in smelter. G. C. Carson. 1,480,743; Jan. 15.
Gases with liquids, Apparatus for treating. A. B. Cleworth. 1,481,122; Jan. 15.
Gate. H. E. Ware. 1,481,044; Jan. 15.
Gate-closing device. C. H. Brooks. 1,481,181; Jan. 15.
Gate or door, Automatic. J. Kostil. 1,481,136; Jan. 15.
Gates, Shock-absorbing device for. F. R. Ashley. 1,480,649; Jan. 15.
Gauge. D. E. Hildreth. 1,481,202; Jan. 15.
Gauging metal or other articles, Method of and means for. H. L. Heathcote. 1,481,240; Jan. 15.
Gear, Bomb-release. H. D. Weed. 1,480,582; Jan. 15.
Gear cutter. J. Marten. 1,480,610; Jan. 15.
Gear device. F. W. Parsons. 1,480,566; Jan. 15.
Gear-generating machines, Work-support positioning means for. H. L. Blood. 1,480,596; Jan. 15.
Gear-shift levers, Lock for. J. H. Shaw. 1,481,033; Jan. 15.
Gear-shifting and braking mechanism, Attachment for. V. Chuchel. 1,480,543; Jan. 15.
Gear-shifting mechanism. B. A. Walrath. 1,481,041; Jan. 15.
Gear-transmission mechanism. C. D. Enochs. 1,480,856; Jan. 15.
Gears, Forming laminated stepped. J. F. Keller. 1,481,212; Jan. 15.
Gears, Machine for forming helical. N. Leerberg. 1,480,910; Jan. 15.
Generator: *See*—
Acetylene generator. Gas generator.
Gins, Feeder for cotton. J. A. Streun. 1,480,792; Jan. 15.
Glass, Apparatus for drawing sheet. R. A. Miller. 1,480,625; Jan. 15.
Glass, apparatus for drawing sheet. O. C. Miller. 1,481,218; Jan. 15.
Glass articles, Ornamenting. L. B. Newell. 1,480,884; Jan. 15.
Glass-cutting table. S. J. Bartlett. 1,480,875; Jan. 15.
Glass-machine plug. C. W. Casto. 1,480,991; Jan. 15.
Glass, Polishing. C. Brown. 1,480,542; Jan. 15.
Golf club. W. P. Smith. 1,480,961; Jan. 15.
Grain beans, etc., by disruptive conduction, Apparatus for treating. F. S. Smith. 1,480,573; Jan. 15.
Granules, Coating. C. P. McNeil. 1,480,561; Jan. 15.
Grease cup. V. V. Van Nattan and W. W. Davis. 1,480,844; Jan. 15.
Grinding machine. C. L. Ott. 1,480,778; Jan. 15.
Grommet. R. E. Maloy. 1,481,217; Jan. 15.
Gun carriage, Separable. B. P. Joyce. 1,480,556; Jan. 15.
Gun-recoil mechanism. B. P. Joyce. 1,480,557; Jan. 15.
Guns, Automatic sighting mechanism for aircraft. E. A. Sperry. 1,481,248; Jan. 15.
Guns, Device for permitting variation of the capacity of explosion chambers in. E. Schneider. 1,480,957; Jan. 15.
Gunner's chair. L. C. Milburn. 1,480,890; Jan. 15.
Hair curler. M. D. Meserole. 1,480,913; Jan. 15.
Hair waver. H. Natkiel and I. Freedman. 1,480,832; Jan. 15.
Hair-waving appliance and using the same. C. Nessler. 1,481,109; Jan. 15.
Hair waving, Permanent. M. C. Steichen. 1,480,638; Jan. 15.
Hand bag. M. Scheuer. Des. 63,809; Jan. 15.
Hand feed, Safety. D. C. Klausmeyer. 1,481,245; Jan. 15.
Handkerchief. J. Klein. Des. 63,791–2; Jan. 15.
Handle. E. D. Kaser. 1,481,013; Jan. 15.
Hammock, Collapsible. S. Bakesef and H. H. Epstein. 1,480,591; Jan. 15.
Hanger: *See*—
Apparel hanger.
Harmonic disturbances, Means for and method of eliminating. E. E. Hellmund. 1,480,722; Jan. 15.
Harrow, Wheeled riding. G. H. Shane. 1,480,960; Jan. 15.
Headlamp, Motor vehicle. E. P. Bone. 1,480,803; Jan. 15.
Headlight-shifting mechanism for motor vehicles. W. F. Godar and H. F. Miller. 1,481,196; Jan. 15.
Heat-producing composition. L. Johnson. 1,481,208; Jan. 15.
Heater. *See*—
Barrel heater. Electric heater.
Curling-iron heater. Water heater.
Heater. F. V. Hadley and R. A. Carleton. 1,480,805; Jan. 15.
Heater. B. L. Miller. Des. 63,794; Jan. 15.
Heater. F. A. Nieberding. Des. 63,798; Jan. 15.
Heating and filling machine. G. E. Pellam. 1,480,567; Jan. 15.
Heating and ventilating units, Radiator for. W. Shurtleff. 1,480,842; Jan. 15.
Heating element for fluid circulatory systems. F. W. Hewitt. 1,480,907; Jan. 15.
Heel. W. D. Sternberg. 1,481,074; Jan. 15.
High-frequency receiving system. H. I. Becker. 1,480,891; Jan. 15.
Hinge, Ball-bearing. M. S. Kissel. 1,481,214; Jan. 15.
Hinge, Demountable. C. J. Minton and C. H. Holmes. 1,481,142; Jan. 15.
Holder. C. R. Spine and S. McMahon. 1,481,236; Jan. 15.
Hog dehsirer and dehairing hogs. G. W. Martin. 1,481,141; Jan. 15.
Hood fastener. R. M. McMillion. 1,481,216; Jan. 15.
Hook: *See*—
Whiffle hook.
Hooked fork. F. A. Preuss. 1,481,148; Jan. 15.
Horison, Artificial. M. Schuler. 1,480,637; Jan. 15.
Hose reel. G. J. Leber. 1,480,769; Jan. 15.
Hose reel, Knockdown. G. J. Leber. 1,480,770; Jan. 15.
Hose support, Garden-. C. M. Beard. 1,480,982; Jan. 15.
Humidifier. G. Gunther and A. J. Sebastian. Des. 63,784; Jan. 15.
Hydrocarbons, Purification of. D. F. Gould. 1,481,197; Jan. 15.
Hydrostatic jack. D. F. Grahame. 1,480,756; Jan. 15.
Hypochlorite composition. R. E. Gegenheimer. 1,481,003; Jan. 15.
Hypochlorites, Manufacture of. M. C. Taylor, C. A. Gammal, and R. E. Gegenheimer. 1,481,039; Jan. 15.
Hypochlorites, Manufacture of. M. C. Taylor, R. R. MacMullin, and R. E. Gegenheimer. 1,481,040; Jan. 15.
Ice box for autos. A. G. Murphey. 1,480,831; Jan. 15.

Ice-cream dipper. S. Cuper, A. Daniels, and F. Klens. 1,481,125; Jan. 15.
Ice-removing apparatus. J. C. Ward. 1,480,703; Jan. 15.
Ice tongs. O. B. Hendrickson. 1,480,820; Jan. 15.
Illuminators, Highway. C. A. B. Halvorson, jr. 1,480,904; Jan. 15.
Index, Visible. W. A. Ringler. 1,480,955; Jan. 15.
Indicator: *See*—
Automobile direction indicator.
Insulator. A. O. Austin. 1,481,080–1; Jan. 15.
Internal-combustion engine. C. R. Greuter. 1,480,609; Jan. 15.
Iron: *See*—
Branding iron. Electron iron.
Ironing board, Disappearing. H. P. Dixon. 1,480,817; Jan. 15.
Jack: *See*—
Hydrostatic jack.
Jig and work support, Combined. L. W. Moulton. 1,480,946; Jan. 15.
Joint: *See*—
Rail joint.
Kiln-heating device. W. Ward. 1,480,973; Jan. 15.
Kite construction. E. Massa. 1,480,889; Jan. 15.
Knife, Hog. E. F. Howarth. 1,480,762; Jan. 15.
Knitting-machine construction. O. J. Berger. 1,480,926; Jan. 15.
Knockdown press. W. J. Krieg. 1,480,768; Jan. 15.
Label holder. C. A. Wright. 1,481,173; Jan. 15.
Lace-tipping machine. C. A. Matson. 1,480,776; Jan. 15.
Lamp. H. H. Wolter. Des. 63,813; Jan. 15.
Lamp, Floor. J. R. and A. M. Cravath. 1,480,599; Jan. 15.
Lamp, Hooded examining. A. Pimienta. 1,481,224; Jan. 15.
Lamps, Electric accumulator or battery for miner's safety electric. R. Koch. 1,480,764; Jan. 15.
Lantern-slide-feed device, Stereopticon. C. M. Headding and F. M. Kent. 1,481,201; Jan. 15.
Last, Shoe. B. Ross. 1,481,029; Jan. 15.
Latch for gates. V. F. Robinson. 1,480,956; Jan. 15.
Laundry machine. S. J. Boughton. 1,481,179; Jan. 15.
Lens cutter. O. De Greuler. 1,480,600; Jan. 15.
Lens rims, Implement for turning. F. H. Barr. 1,480,653; Jan. 15.
Letters, Address guide for. R. F. Halladay. 1,480,938; Jan. 15.
Lifeboat, Means for launching. A. P. Schat. 1,481,154; Jan. 15.
Light: *See*—
Automobile light.
Light and music, Method of and means for associating. M. H. Greenewalt. 1,481,132; Jan. 15.
Lighting-fixture shade. F. Roettges. Des. 63,805–7; Jan. 15.
Lighting fixtures, Ball lamp cover for. K. Nacke. Des. 63,797; Jan. 15.
Lighting fixtures, Pan for. R. L. Gerth. Des. 63,783; Jan. 15.
Lighting fixtures, Wall bracket for. G. J. Klein. Des. 63,790; Jan. 15.
Link, Spring. W. S. Hudson. 1,480,684; Jan. 15.
Liquids, Means for decanting. G. E. Perry. 1,481,146; Jan. 15.
Lithopone and making same. E. C. Holton and J. C. Owens. 1,480,807; Jan. 15.
Lock: *See*—
Automobile lock. Railway safety-bolt lock.
Door lock. Sash lock.
Manifold lock.
Lock. E. A. Hill. 1,480,759–60; Jan. 15.
Locks, Means for preventing the turning of cylinder and like. W. D. Bacon. 1,480,650; Jan. 15.
Locomotives, Condensing installation for. E. Schneider. 1,481,231; Jan. 15.
Loom, Feeler. J. Northrop. 1,480,736; Jan. 15.
Loom, Filling replenishing. T. L. Chapman. 1,480,931; Jan. 15.
Looms, Power stick adjuster for. E. Gadue. 1,481,195; Jan. 15.
Looms, Transmission mechanism for. A. J. Lee. 1,480,621; Jan. 15.
Lubricator. H. L. Magill and F. J. Knorr. 1,480,688; Jan. 15.
Lumber, Treating. F. K. Fish, jr. 1,480,804; Jan. 15.
Machine tools, Control system for. S. P. Johnson and H. Harding. 1,480,615; Jan. 15.
Magnesium and magnesium alloys by etching, Coloring. F. Thomas. 1,480,869; Jan. 15.
Magneto contact. P. A. Schaefer. 1,480,696; Jan. 15.
Magnetic counter. C. H. Veeder. 1,480,738; Jan. 15.
Manifold lock. A. Boone. 1,480,813; Jan. 15.
Map, Star. E. W. Sundell. 1,480,793; Jan. 15.
Massaging device, Foot-. M. E. Stephenson. 1,481,038; Jan. 15.
Mat: *See*—
Textile mat.
Measuring machine. R. Hill. 1,480,611; Jan. 15.
Meat-cutting implement or tool. T. Fullbright. 1,481,055; Jan. 15.
Memorandum pad, Self-erasing. A. W. Weeden. 1,480,920; Jan. 15.
Meters, Automatic bypass and primer for flow. R. W. Schroeder. 1,480,784; Jan. 15.
Mill: *See*—
Cylinder mill.
Milling machine. B. P. Graves. 1,480,900–1; Jan 15.
Mine switch, Crossover. R. T. Bagby. 1,480,739; Jan 15.
Mirror, Pendent. I. J. Alvarez. Des. 63,765; Jan 15.
Mixer: *See*—
Beverage mixer. Fuel mixer.
Drink mixer.
Moccasin. D. B. Abbott. 1,480,978; Jan. 15.
Molding apparatus. H. L. Demmler. 1,480,748; Jan. 15.
Molding machine. H. L. Demmler. 1,480,749; Jan. 15.
Molds, Attachment feeders for ingot. B. H. Howard and E. J. Turner. 1,481,206; Jan. 15.
Molds, Feeder for ingot. B. H. Howard and E. J. Turner. 1,481,204–5; Jan. 15.
Molds, Method of and machine for making. H. L. Demmler. 1,480,750; Jan. 15.
Motor: *See*—
Electric motor. Pneumatic motor.
Phonograph motor. Spring motor.
Motor mechanism, Servo-. L. A. Lang. 1,480,940; Jan. 15.
Mouthpiece. G. A. Highfield. 1,481,059; Jan. 15.
Mowing machines, Extension sickle for. C. W. Lefler. 1,480,729; Jan. 15.
Music stand. F. Sordillo. 1,480,788; Jan. 15.
Nasal suction apparatus. C. E. Hodlick. 1,481,008; Jan. 15.
Necktie. F. M. Mulroney. 1,480,830; Jan. 15.
Necktie holder. G. H. Slocum. 1,481,156; Jan. 15.
Nitrogen compounds from carbides, Apparatus for and process of manufacturing. T. Fujiyama. 1,481,088; Jan. 15.
Nut-lock wrench. B. A. Baron and E. M. Pofcher. 1,480,811; Jan. 15.
Oil burner. C. W. Mummery. 1,480,628; Jan. 15.
Oil burner. G. W. Walsh. 1,480,848; Jan. 15.
Oil, Cutting. J. Wondruschka and S. Duda. 1,480,589; Jan. 15.
Oil dispenser, Lubricating. R. G. Adams. 1,480,849; Jan. 15.
Oils, Cooling device for. C. E. Rice. 1,480,954; Jan. 15.
Oiling device. O. Duchatelet. 1,481,085; Jan. 15.
Opera-glass support. J. H. Henry. 1,480,821; Jan. 15.
Ore-roasting furnace. A. T. Leavitt and C. H. Hughes. 1,480,824; Jan. 15.
Ores, Concentrating. S. H. Dolbear. 1,480,884; Jan. 15.
Oven. W. C. Coleman. 1,480,598; Jan. 15.
Oversbot. K. E. Bynum. 1,480,815; Jan. 15.
Package. J. Ness. 1,480,860; Jan. 15.
Package and container, Pocket. J. T. Wilcox. 1,480,923; Jan. 15.
Package, Wirebound shipping. N. A. Fowler. 1,480,718; Jan. 15.
Packing. W. E. Plummer, W. M. Kermode, and C. S. Plummer. 1,480,951; Jan. 15.
Packing, Hydraulic. E. E. Switzer. 1,481,160; Jan. 15.
Paintbrush, Folding. H. Feuerstein. 1,481,192; Jan. 15.
Paintings, Producing imitation of oil. H. R. Stone. 1,480,639; Jan. 15.
Paper box, Set-up. E. W. Labombarde. 1,480,809; Jan. 15.
Paper fastener. F. J. Potter. 1,480,952; Jan. 15.
Paper holder, Dispensing toilet-. J. S. O'Brien. 1,481,063; Jan. 15.
Paper-making machines, Pulp-sheet-leveling attachment for. C. R. Van de Carr, jr. 1,481,163; Jan. 15.
Paper or other material, Machine for folding. H. J. Müller. 1,480,947; Jan. 15.
Paper shredder, Waste-. C. W. Griffin. 1,481,058; Jan. 15.
Paraffining apparatus. I. Stanley. 1,480,790; Jan. 15.
Paste or like material, Device for dispensing. H. de Olaneta. 1,480,883; Jan. 15.
Patch for inner tubes. C. C. Wight. 1,480,976; Jan. 15.
Peach pitter. J. P. Bem and J. K. Tuttle. 1,480,802; Jan. 15.
Pedal-operating device, Accelerating-. J. P. Kantak. 1,480,616; Jan. 15.
Pendulum-demonstrating apparatus. G. C. Strouse. 1,481,075; Jan. 15.
Percolator urn or similar article. E. A. Farr. Des. 63,780; Jan. 15.
Percussive tools, Independent rotation for. C. C. Hansen. 1,480,552; Jan. 15.
Pessary. F. M. Glover. 1,480,680; Jan. 15.
Phase-converter system. C. L. Fortescue. 1,480,713; Jan. 15.
Phase-converter system. C. L. Fortescue. 1,480,715; Jan. 15.
Phase-balancing system. C. L. Fortescue. 1,480,716; Jan. 15.
Phase-converting and power-factor-control machine. S. H. Cowin. 1,480,670; Jan. 15.
Phase-converting system. L. W. Chubb. 1,480,665; Jan. 15.
Phase-converting system. C. L. Fortescue. 1,480,711; Jan. 15.
Phase-converting system, Balanced. L. W. Chubb. 1,480,666; Jan. 15.
Phase-converting system, Balanced. C. L. Fortescue. 1,480,708–9; Jan. 15.
Phonograph motor. E. B. Hoff. 1,480,553; Jan. 15.
Phonograph-record holder. C. W. Pierson. 1,481,066; Jan. 15.

Phonograph records, Yieldable support for. J. G. Nolen. 1,480,629; Jan. 15.
Phonograph reproducer. C. E. Semple, jr. 1,480,786; Jan. 15.
Phonographic needles, Container for. S. Bennis. 1,481,082; Jan. 15.
Photo mount. W. J. Bowler. 1,480,879; Jan. 15.
Photographic and like purposes, Objective for. L. B. Booth. 1,480,929; Jan. 15.
Piano-action-flange screw and plate holder. W. B. Ellsworth. 1,480,818; Jan. 15.
Picker: *See*—
Fruit picker.
Picture transfer mechanism, Talking-. H. E. Chipman. 1,480,992; Jan. 15.
Pipe: *See*—
Tobacco pipe.
Pipe coupling. L. Johnson. 1,481,062; Jan. 15.
Pipes, Machine for cutting off and threading. T. V. Elliott and C. Schaefer. 1,481,191; Jan. 15.
Piston, Floating. H. P. Joyce. 1,481,011; Jan. 15.
Piston ring. M. M. White. 1,481,167; Jan. 15.
Pistons and their connecting rods, Connection between. J. H. De Iongh. 1,481,052; Jan. 15.
Plant support. W. H. Robinson. 1,480,917; Jan. 15.
Planter, Seed. G. F. Sproull. 1,480,963; Jan. 15.
Plaque. W. P. Morgan. Des. 63,795; Jan. 15.
Plate or similar article. H. Oakes. Des. 63,800; Jan. 15.
Platforms, Truck construction for moving. H. S. Putnam. 1,480,635; Jan. 15.
Pliers. P. T. Gilbert. 1,481,056; Jan. 15.
Plug connector. H. Sieben. 1,481,233; Jan. 15.
Pneumatic motor. A. Gottschalk. 1,480,937; Jan. 15.
Poison distributor. R. G. Killingsworth. 1,481,100; Jan. 15.
Poles, Repairing or assembling metal. W. J. Quinn. 1,481,149; Jan. 15.
Polishing device. J. J. Mueller, jr. 1,481,242; Jan. 15.
Post-retaining member. J. S. Clay. 1,481,187; Jan. 15.
Powder box. J. W. Fischer. 1,481,194; Jan. 15.
Power brake, Foot-. J. L. Colvin. 1,480,669; Jan. 15.
Press: *See*—
Box press.
Knockdown press.
Pressure-regulating device. F. W. Johnson. 1,480,909; Jan. 15.
Pressure, Regulation of. J. H. Reineke. 1,480,837; Jan. 15.
Pressure responsive device, Differential-. F. H. Brown. 1,480,661; Jan. 15.
Print machine. H. H. Doering. 1,481,127; Jan. 15.
Propelling device. W. F. Purcell. 1,480,836; Jan. 15.
Protective device. T. E. Goodwin. 1,481,004; Jan. 15.
Protective device. G. B. Phillips. 1,481,005; Jan. 15.
Publication routing. G. H. Eddy. 1,480,605; Jan. 15.
Puller: *See*—
Spike puller.
Pulley, Grip. O. S. Penn. 1,480,950; Jan. 15.
Pulley, Grip. G. J. Rackham. 1,480,691; Jan. 15.
Pulleys or the like, Attaching means for. T. Olinger. 1,480,948; Jan. 15.
Pulverizer. O. A. Kreutzberg. 1,480,767; Jan. 15.
Pump, Air. J. P. Shevlin. 1,481,070; Jan. 15.
Pump connection, Air-. W. M. Ingram. 1,480,555; Jan. 15.
Pump, Hydraulic. J. G. Hampton. 1,481,134; Jan. 15.
Pump or compressor, Air. F. J. and P. C. Payne. 1,480,781; Jan. 15.
Pump system. O. Haentjens. 1,481,199; Jan. 15.
Pump-vent control. I. Gonder. 1,480,936; Jan. 15.
Pumps, Visible display attachment for measuring. W. S. Townsend and F. E. Douglass. Re15,748; Jan. 15.
Rack: *See*—
Toothbrush rack.
Radiator cap. F. E. Christensen. Des. 63,776; Jan. 15.
Radiator-core-assembling machine. M. Witte. 1,481,169; Jan. 15.
Rail anchor. H. G. Warr. 1,480,974; Jan. 15.
Rail joint. D. B. Hiney. 1,480,763; Jan. 15.
Railway safety bolt lock. L. Grossmann. 1,480,885; Jan. 15.
Razor. J. S. Wilson. 1,481,168; Jan. 15.
Razor-blade holder, Safety-. M. Crough. 1,481,050; Jan. 15.
Razor stropper, Safety-. W. H. Lish. 1,480,771; Jan. 15.
Reatomizer. J. A. Secor. 1,480,959; Jan. 15.
Receptacle or package. I. McColl. 1,480,827; Jan. 15.
Record container and ejector. E. H. Hand. 1,480,939; Jan. 15.
Recorder: *See*—
Blood-pressure recorder.
Recorders, Chart-holding device for. E. H. Bristol. 1,481,047; Jan. 15.
Reed article and making the same. M. B. Lloyd. 1,480,773–4; Jan. 15.
Reel: *See*—
Hose reel.
Register: *See*—
Fare register.
Relay, Electromagnetic. T. Lenaghan. 1,481,104; Jan. 15.
Resilient wheel. J. L. and R. P. Luce. 1,481,138; Jan. 15.
Resistance device. A. E. Waller. 1,480,645; Jan. 15.
Restraining device. F. G. Zimmerman. 1,481,174; Jan. 15.
Revolvers, Loader for. G. R. Z. Basán. 1,480,812; Jan. 15.
Rheostat. G. A. Ream. 1,480,953; Jan. 15.
Riling: *See*—
Piston ring.
Rivet-setting machine. E. B. Stimpson. 1,480,577; Jan. 15.
Rod retaining means, Choker. W. Wood. 1,480,924; Jan. 15.
Roller: *See*—
Shade roller.
Roof-framing device. A. E. Wright. 1,480,925; Jan. 15.
Rubber bath mat. A. Benedek. Des. 63,768; Jan. 15.
Rule. E. M. Wilhite. 1,480,584; Jan. 15.
Ruler. M. J. Goebel. 1,480,551; Jan. 15.
Sadiron, Electrically-heated. J. F. Lamb. 1,481,103; Jan. 15.
Sadiron stand. C. H. Hook. 1,480,761; Jan. 15.
Sash balance, Window-. I. A. Church. 1,480,994; Jan. 15.
Sash lock. M. S. Rosenthal. 1,480,636; Jan. 15.
Saw set. T. Anderson. 1,481,175; Jan. 15.
Saws, Making hack. F. Müller. 1,480,627; Jan. 15.
Scale. J. J. Reddick and R. Chapman. 1,481,151; Jan. 15.
Scale, Platform. J. J. Magrady. 1,480,732; Jan. 15.
Screen: *See*—
Fluorescent screen.
Screen shield. A. E. Newman. 1,480,861; Jan. 15.
Scrubbing machine, Fountain. A. M. Caine. 1,480,662; Jan. 15.
Seat construction. E. J. Stahl. 1,480,789; Jan. 15.
Securing device. A. T. Light. 1,480,686; Jan. 15.
Sewing machines, Presser foot for. J. Berger. 1,480,593; Jan. 15.
Shade and curtain bracket, Combined. W. H. Simmons. 1,480,841; Jan. 15.
Shade and curtain support, Window. J. Wloszek. 1,481,076; Jan. 15.
Shade roller, Window-. A. J. Souders. 1,480,962; Jan. 15.
Shafting, Flexible. F. O. Albertson. 1,481,078; Jan. 15.
Shears: *See*—
Sheep shears.
Sheep shears. F. N. L. Willett. 1,480,586; Jan. 15.
Shingle. H. A. Wheeler. 1,480,704; Jan. 15.
Shingles and the like, Producing bituminous. F. A. Browne. 1,481,183; Jan. 15.
Shingles, Producing self-spacing. A. C. Fischer. 1,481,193; Jan. 15.
Shock absorber. A. G. Camporini. 1,480,663; Jan. 15.
Shock absorber. H. A. Danforth. 1,481,051; Jan. 15.
Shoe. V. Martelli. Des. 63,793; Jan. 15.
Shoe and making the same. J. A. Kelly. 1,480,558; Jan. 15.
Shoe-finishing machine. S. A. Dobyne. 1,480,601; Jan. 15.
Shoe sole. B. Ross. 1,481,027; Jan. 15.
Shoes, Attaching molded counters to turn. M. L. Dodge. 1,480,602; Jan. 15.
Shoes, Machine for attaching molded counters to. M. L. Dodge. 1,480,603; Jan. 15.
Short-circuiting device. G. H. Garcelon. 1,480,720; Jan. 15.
Shot shells or cartridges, Wad for. C. S. Bird. 1,480,595; Jan. 15.
Shovel, Automatic fluid-pressure-operated machine. A. G. Liebmann. 1,480,623; Jan. 15.
Shovel, Mechanical. V. L. Keech and E. A. Hurtley. 1,481,211; Jan. 15.
Sign, Reversible. C. A. Fetters. 1,480,606; Jan. 15.
Signal: *See*—
Automobile signal.
Vehicle signal.
Electric furnace signal.
Signaling system. Q. A. Brackett. 1,480,659; Jan. 15.
Signaling system, Multiplex. H. W. Hitchcock. 1,480,612; Jan. 15.
Sintering machine. R. L. Lloyd. 1,480,911; Jan. 15.
Sketch box, Artist's. S. Osborn. 1,480,631; Jan. 15.
Skin treatment, Mask for. C. Pauley. 1,480,780; Jan. 15.
Skipping machine. P. J. Nellon. 1,480,833; Jan. 15.
Slicing machine. P. Sivertsen. 1,480,572; Jan. 15.
Smelting furnace, Electric. T. Kawai. 1,481,210; Jan. 15.
Snap fastener. G. A. Holmes. 1,481,203; Jan. 15.
Snowplow. F. B. Burris. 1,480,652; Jan 15.
Snowplow. M. G. Lee. 1,480,622; Jan. 15.
Snowplow. O. O. Sonju. 1,480,576; Jan. 15.
Snowplow. A. B. Webb. 1,480,581; Jan. 15.
Sound record, Disk. L. P. Barlow. 1,480,980; Jan. 15.
Sound recording and reproducing machines, Correction indicator for. L. Z. La Forest. 1,480,619; Jan. 15.
Sound reproducers, Diaphragm for. C. E. Semple, jr. 1,480,785; Jan. 15.
Sower machine, Corn or fertilizer. M. Walthier. 1,480,801; Jan. 15.
Spark plug. F. H. Elwell. 1,480,751; Jan. 15.
Spark-plug cleaner. E. E. Snider. 1,480,575; Jan 15.
Spike or bolt, Expansible. J. Hojnowski. 1,480,617; Jan. 15.
Spike puller. E. F. Goben. 1,481,131; Jan. 15.
Spool. V. Durbin, and G. H. Bickell. 1,481,190; Jan. 15.
Spray appliance. H. D. Binks. 1,480,594; Jan. 15.

Spraying vegetation, Material for. H. E. Kalusowski. 1,481,012; Jan. 15.
Spreader structure. J. R. Bittner. 1,480,985; Jan. 15.
Spring device. F. N. Pettigrew. 1,480,633; Jan. 15.
Spring device. A. R. Roche. 1,480,694; Jan. 15.
Spring-making machine, Wire-. B. L. Van Orman. 1,480,796; Jan. 15.
Spring motor. C. B. Collins. 1,480,668; Jan. 15.
Spring structure. W. A. Falls. 1,480,753; Jan 15.
Sprinkler: *See*—
Automatic sprinkler.
Stand: *See*—
Display stand.
Music stand.
Sadiron stand.
Votive stand.
Staking machine. A. H. Kehrhahn. 1,481,135; Jan. 15.
Staple driver. T. T. Rodeberg. 1,480,695; Jan. 15.
Steam boiler. H. J. Kerr. 1,481,014; Jan. 15.
Steering device. W. F. Rotermund. 1,480,840; Jan. 15.
Stereoscopic shadowgraphs, Process of and apparatus for. L. Hammond. 1,481,006; Jan. 15.
Stoker, Automatic. W. C. Stripe. 1,480,868; Jan. 15.
Stokers, Control mechanism for. J. Breslove. 1,480,660; Jan. 15.
Stone spreader. J. L. Latture. 1,480,620; Jan. 15.
Stoneware or the like, Package for. R. P. White. 1,480,583; Jan. 15.
Storage battery. L. Jacquemin. 1,480,726; Jan. 15.
Storage-battery clip. H. E. Walker. 1,480,847; Jan. 15.
Storage battery or accumulator. H. P. Rhodes. 1,481,226; Jan 15.
Stove. P. Chokas. 1,480,664; Jan. 15.
Stove-pipe coupler. L. P. Vogtman. 1,480,702; Jan. 15.
Stoves, Attachment for gas. J. G. Wilkie. 1,480,585; Jan. 15.
Submarine. F. Rovetto. 1,481,230; Jan. 15.
Support. M. A. Bullard. 1,480,930; Jan. 15.
Swimming device. J. Weiss. 1,480,874; Jan. 15.
Switch: *See*—
Electric switch.
Mine switch.
Switch boxes, Reenforcing plate and template for. E. Ball. 1,481,117; Jan. 15.
Table: *See*—
Glass-cutting table.
Table and lamp, Combined. E. C. Pelkey. Des. 63,802; Jan. 15.
Tanning apparatus. W. S. Shaw. 1,480,607; Jan. 15.
Telephone repeater. O. B. Jacobs. 1,480,614; Jan. 15.
Telephone-transmitter construction. T. F. Rose, jr. 1,481,111; Jan. 15.
Temperature-controlling apparatus. L. K. Marshall. 1,481,021; Jan. 15.
Temperature of the atmosphere in a chamber, Means for varying the. E. T. Curran. 1,480,671; Jan. 15.
Textile fabrics, etc., Embellishment of. J. Lipoti. 1,481,017; Jan. 15.
Textile mat, Braided tubular. J. P. Fenton. 1,481,001; Jan. 15.
Thermostatic control device. C. I. Hall. 1,480,902; Jan. 15.
Thrashing machines, Attachment for. E. Doré. 1,480,548; Jan. 15.
Thread holder and cutter. J. H. Burns and J. Anderson. 1,481,185; Jan. 15.
Thread-holding device. W. B. King. 1,480,728; Jan. 15.
Timer. W. M. Cummiskey. 1,480,546; Jan. 15.
Tire. C. E. Fellows. Des. 63,781; Jan. 15.
Tire clamping and turning device. L. M. Evans. 1,481,053; Jan. 15.
Tire filler. T. C. Watkins. 1,480,580; Jan. 15.
Tire nonskid device, Auto. J. Earle. 1,480,999; Jan. 15.
Tire, Resilient. R. Iredell. Des. 63,789; Jan. 15.
Tire tread. M. Parmet. Des. 63,801; Jan. 15.
Tire tread. H. D. Reichard. Des. 63,804; Jan. 15.
Tire tread or similar article, Vehicle. A. E. Bauman. Des. 63,767; Jan. 15.
Tire valve, Pneumatic-. Z. Littman. 1,481,018; Jan. 15.
Tires from rims, Machine for removing. W. K. Hunter. 1,481,061; Jan. 15.
Tires, Means for locking automobile. K. Shaffer. 1,481,032; Jan. 15.
Tires, Method and apparatus for making or manipulating. J. R. Gammeter. 1,480,719; Jan. 15.
Tobacco pipe. G. Smith. 1,481,235; Jan. 15.
Tool handles and making the same, Reenforce device for. N. G. Larson. 1,480,823; Jan. 15.
Tool holder. G. Q. Britt. 1,480,987; Jan. 15.
Tooth and lock in backing it, Bridge. A. A. Kauffman. 1,481,209; Jan. 15.
Toothbrush, Collapsible. J. W. Ford. 1,480,679; Jan. 15.
Toothbrush rack. W. F. Bright and G. Schneider. 1,480,814; Jan. 15.
Toy. G. W. French. 1,481,129; Jan. 8.
Toy. W. Goetz. 1,480,858; Jan. 15.
Toy. J. G. Levy. 1,481,105; Jan. 15.
Toy. C. Ridderhof. 1,481,227; Jan. 15.
Toy bank. A. Folta. Des. 63,782; Jan. 15.
Trailer. H. Cason. 1,481,049; Jan. 15.
Transfer apparatus. J. J. Hazlewood. 1,481,090; Jan. 15.
Transmission band. G. R. Hoffman. 1,481,092–8; Jan. 15.
Trap. W. G. Odatey. 1,481,222; Jan. 15.
Traveling-grate furnace. L. Steinmüller. 1,480,964; Jan. 15.
Traveling-grate furnace. L. Steinmüller and M. Gensch. 1,480,965; Jan. 15.
Treatment kit, Prompt-. C. B. Slade. 1,480,865; Jan. 15.
Tree holder. J. W. Klein. 1,481,015; Jan. 15.
Trial frame. H. G. Herold and E. B. Meyrowitz. 1,481,007; Jan. 15.
Trolley head and support therefor. G. E. Price. 1,480,835; Jan. 15.
Trousers, Elastic support for. F. Hohmann. 1,481,009; Jan. 15.
Truck. H. L. Ferris. 1,481,002; Jan. 15.
Trucks and the like, Coupling mechanism for. H. S. Putnam. 1,480,634; Jan. 15.
Trunks, Combination draw bolt and lock for. P. J. Gorman and A. J. Palumbo. 1,481,223; Jan. 15.
Truss, Hernial. D. L. and F. E. Chesterman. 1,481,238; Jan. 15.
Tube-making machines, Stop-motion for flexible. S. W. Bourn. 1,480,741; Jan. 15.
Tubes and thin-walled metal pipes of lead, tin, and especially aluminum, Cold spurting of. F. Singer. 1,480,843; Jan. 15.
Tubular structures, Assemblage point connection in. C. Dornier. 1,480,854; Jan. 15.
Turbine coupling. F. Lösel. 1,480,772; Jan. 15.
Turntable, Portable. C. T. Topping. 1,480,872; Jan. 15.
Typewriter, Automatic. G. A. Pond. 1,481,110; Jan. 15.
Typewriter machine. C. W. and A. C. Walker. 1,480,919; Jan. 15.
Typewriters and adding machines, Collating device for. J. A. Wherry. Re15,747; Jan. 15.
Typewriters and the like, Power driven operating means for. D. W. Shiek. 1,480,698; Jan. 15.
Typewriting machine. A. E. Howell. 1,480,613; Jan. 15.
Vacuum cleaners, Adjustable wheel for. W. J. Wise and T. O. Adams. 1,480,588; Jan. 15.
Valve. P. Wagner. 1,480,873; Jan. 15.
Valve, Adjustable. C. H. Simmons. 1,480,699; Jan. 15.
Valve, Air. C. W. Gardner. 1,480,608; Jan. 15.
Valve for hose lines or the like, Stop and drain. H. C. Bowlus. 1,481,180; Jan. 15.
Valve gear. C. J. Pillod. 1,480,569; Jan. 15.
Valve mechanism for elastic fluid turbines or other prime movers. R. F. Halliwell. 1,480,903; Jan. 15.
Valve mechanism, Snap-. J. H. Kolts. 1,480,765; Jan. 15.
Valve, Pneumatic. H. Pierce. 1,481,023; Jan. 15.
Valve, Relief. W. McKee. 1,480,942; Jan. 15.
Valve shield. T. R. Burke. 1,480,852; Jan. 15.
Vegetables to mashed form, Apparatus for and method of reducing boiled. R. Bell. 1,480,984; Jan. 15.
Vehicle, Child's. V. Tiffin. 1,480,871; Jan. 15.
Vehicle, Endless-track. G. J. Rackham. 1,480,692; Jan. 15.
Vehicle, Endless-track. G. J. Rackham and F. B. Lamb. 1,480,693; Jan. 15.
Vehicle signal apparatus, Motor-. W. H. Sawyer. 1,480,783; Jan. 15.
Vehicle signal, Direction. J. R. Giddens, jr. 1,481,130; Jan. 15.
Vehicle wheel. K. P. Hangi. 1,481,200; Jan. 15.
Vehicle wheel rim. B. F. Stauber. 1,481,036; Jan. 15.
Vehicles, Body for motor. M. A. Buch. 1,481,048; Jan. 15.
Vehicles, Bodies for use in motor. C. B. Wardman. 1,481,043; Jan. 15.
Vehicles, Bus body for motor-propelled. F. Kohlberger. 1,480,559; Jan. 15.
Vehicles, Spring construction for. R. M. Lovejoy. 1,480,624; Jan. 15.
Vending machine. J. Vass. 1,480,799; Jan. 15.
Vessel, Marine. H. G. C. Frahm. 1,480,934; Jan. 15.
Vise, Pipe. G. W. Buford. 1,480,881; Jan. 15.
Votive stand. L. R. Le Tang. 1,480,941; Jan. 15.
Washer: *See*—
Air washer.
Washers, Method and apparatus for sorting. H. A. Denmire. 1,480,898; Jan. 15.
Washing machine. J. T. Anthony. 1,481,115; Jan. 15.
Washing machine. P. H. Waller. 1,480,646; Jan. 15.
Washing machine. W. Wirtz. 1,480,705; Jan. 15.
Water heater, Feed-. J. Martin. 1,480,912; Jan. 15.
Water lilies or like marine growths, Apparatus for destroying. L. and W. J. Bayard. 1,481,177; Jan. 15.
Waterproof label holder. C. L. Pierce. 1,481,147; Jan. 15.
Weed-cutting machine. J. Coppinger. 1,480,906; Jan. 15.
Welding device, Automatic. T. A. Sindelar and S. S. Daykin. 1,481,071; Jan. 15.
Welding machine, Electric. L. L. Evans. 1,480,752; Jan. 15.
Welding system, Electric arc-. W. H. Flood and D. T. Smout. 1,480,857; Jan. 15.
Well apparatus, Oil-. T. J. Ashby. 1,481,114; Jan. 15.
Well-drill coupling. W. Stoffel. 1,480,967; Jan. 15.
Wells, Drilling. S. E. Diescher. 1,480,674; Jan. 15.
Well reamer. E. Tilton. 1,480,578; Jan. 15.
Wheel: *See*—
Resilient wheel.
Vehicle wheel.
Wheel chock. E. Iarnel. 1,480,725; Jan. 15.
Wheel dog. B. Stockwell. 1,480,966; Jan. 15.
Wheel fender. A. M. Hudson. Re15,745; Jan. 15.
Wheels, Brake tester for vehicle. C. F. Cowdrey. 1,481,123; Jan. 15.

Wheels, Brake-testing device for vehicle. C. F. Cowdrey. 1,481,124; Jan. 15.
Wheels, Making. J. H. Wagenhorst. 1,481,164; Jan. 15.
Whiffle hook. L. L. Wells. 1,481,165; Jan. 15.
Windshield visor. C. F. Hopewell. 1,481,010; Jan. 15.
Wire-spring-making machine. B. L. Van Orman. 1,480,798; Jan. 15.
Wooden articles, Manufacture of. W. F. Bostock. 1,480,658; Jan. 15.
Woven goods, Manufacture of articles from. T. D. Ainslie and R. M. [illegible] 1,480,541; Jan. 15.
Wrapping machine. H. L. Johnson. 1,481,207; Jan. 15.
Wrapping machines, Feeding apparatus for. H. Rose. 1,481,229; Jan. 15.
Wrench: *See*— Nut-lock wrench.
Wrench. A. L. Wallace. 1,480,971-2; Jan. 15.
Wrench, Carriage. N. K. Smith. 1,481,158; Jan. 15.
Wrench carriage, Rotary. N. K. Smith. 1,481,157; Jan. 15.
Wringer: *See*— Clothes wringer.
Zinc distillation. H. Koppers. 1,481,241; Jan. 15.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 15, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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46: 1,481,130
99: 1,481,073
118— 33: 1,480,916
119— 27: 1,481,174
63: 1,481,108
120— 32: 1,480,724
121— 7: 1,480,552
9: 1,481,089
38: 1,480,568
41: 1,480,940
44: 1,480,937
116: 1,480,569
122— 235: 1,481,014
396: 1,480,737
426: 1,480,912
123— 41: 1,480,979
43: 1,481,220
60: 1,481,068
90: 1,480,609
160: 1,480,751
171: 1,480,868
193: 1,480,745
126— 38: 1,480,598
116: 1,481,045
214: 1,480,585
1,480,664
249: 1,481,198
292: 1,480,949
128— 57: 1,481,038
107: 1,481,238
127: 1,480,690
259: 1,480,780
276: 1,481,008
129—16.8: 1,481,173
130— 21: 1,480,548
131— 10: 1,480,838
12: 1,481,059
1,481,235
38: 1,480,550
31: 1,481,109
132— 31: 1,480,638
33: 1,480,638
41: 1,480,832
1,480,913
48: 1,480,935
133— 1: 1,480,983
6: 1,480,877
134— 18: 1,480,928
78: 1,480,807
137— 34: 1,480,936
111: 1,480,837
1,480,852
139: 1,480,942
158: 1,480,903
138— 9: 1,480,756
139— 152: 1,481,195
228: 1,480,736
261: 1,480,931
140— 1: 1,480,796
1,480,797
1,480,798
141— 9: 1,481,115
144— 241: 1,480,762
146— 28: 1,480,802
1,480,819
44: 1,480,872
77: 1,481,055
102: 1,480,572
120: 1,481,058
174: 1,480,984
175: 1,480,969
215: 1,481,030
147— 3: 1,481,139
48: 1,480,773
1,480,774
148— 7: 1,480,869
11: 1,480,870
149— 11: 1,480,697
15: 1,481,133
151— 18: 1,480,885
152— 5: 1,480,580
12: 1,480,701
1,481,018
14: 1,480,999
1,481,020
1,481,232
26: 1,480,976
29: 1,481,200
50: 1,481,138
153— 1.5: 1,480,776
32: 1,481,237
154— 9: 1,481,053
10: 1,480,719
155— 12: 1,480,789
196: 1,480,905
156— 19: 1,480,800
23: 1,481,076
24: 1,480,841
36: 1,480,962
46: 1,480,918
157— 1: 1,481,164
6: 1,481,061
158— 36: 1,480,784
1,480,810
64: 1,480,848
68: 1,480,628
77: 1,480,699
99: 1,481,189
117: 1,480,944
161— 1: 1,480,905
164— 19: 1,481,193
68: 1,481,183
113: 1,481,153
167— 6: 1,481,012
169— 32: 1,481,026
42: 1,480,676
171— 119: 1,480,714
228: 1,480,892
229: 1,481,184
238: 1,480,666
172— 36: 1,481,213
179: 1,480,993
233: 1,480,708
1,480,709
1,480,711
1,480,722
1,480,723
1,480,550
240: 1,480,615
246: 1,480,665
1,480,670
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1,480,712
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1,480,715
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278: 1,480,553
279: 1,480,720
173— 266: 1,481,080
273: 1,480,847
318: 1,481,081
324: 1,480,656
1,480,666
332: 1,480,899
175— 21: 1,481,190
30: 1,481,004
1,481,005
311: 1,480,573
336: 1,481,104
177— 311: 1,480,626
329: 1,481,101
179— 4: 1,480,612
1,480,614
188: 1,481,111
180— 1: 1,480,850
181— 32: 1,480,785
183— 4: 1,481,221
24: 1,480,775
76: 1,480,685
184— 6: 1,480,893
65: 1,480,688
88: 1,480,844
103: 1,480,545
185— 37: 1,480,668
186— 6: 1,481,176
187— 31: 1,481,119
49: 1,481,121
188— 32: 1,480,725
130: 1,480,663
194: 1,480,822
213: 1,480,742
249: 1,481,092
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262: 1,480,717
189— 1.5: 1,481,019
29: 1,481,187
191— 60.2: 1,480,635
192— 6: 1,480,565
1,481,046
194— 85: 1,480,799
196— 25: 1,480,808
197— 17: 1,480,608
20: 1,481,110
113: 1,480,613
127: R. 15,747
198— 164: 1,481,152
200— 27: 1,480,546
137: 1,481,233
169: 1,480,970
202— 8: 1,481,140
203— 1: 1,480,888
204— 29: 1,480,726
1,480,764

204— 29: 1,481,226
38: 1,481,178
53: 1,481,145
64: 1,480,908
1,481,031
1,481,210
1,481,228
206— 7: 1,480,657
12: 1,480,865
38: 1,481,161
41: 1,480,923
44: 1,480,570
46: 1,480,860
207— 10: 1,480,843
208— 113: 1,480,871
211— 8: 1,480,560
16: 1,481,066
1,480,939
24: 1,480,681
29: 1,481,063
31: 1,481,246
34: 1,481,171
212— 76: 1,481,234
142: 1,481,049
213— 46: 1,480,678
111: 1,480,863
214— 90: 1,480,623
1,481,211
152: 1,480,859
215— 11: 1,480,555
38: 1,481,155
46: 1,481,034
1,481,035
216— 63: 1,480,826
74: 1,481,146
217— 19: 1,480,921
44: 1,480,718
52: 1,480,583
76: 1,480,680
218— 15: 1,481,064
21: 1,480,577
219— 4: 1,480,752
8: 1,481,071
15: 1,480,857
22: 1,481,065
25: 1,481,103
34: 1,480,667
1,480,787
37: 1,481,225
38: 1,480,907
1,480,922
47: 1,480,905
56: 1,480,953
63: 1,480,645
64: 1,481,113
68: 1,480,675
220— 1: 1,480,897
3: 1,480,574
9: 1,481,170
16: 1,480,831
20: 1,481,194
55: 1,480,544
1,480,686
61: 1,480,782
76: 1,480,654
22— 54: 1,481,085
221— 60: 1,481,236
67: R. 15,748
1,480,849
78: 1,480,883
122: 1,480,801
1,480,963
222— 3: 1,480,973
229— 14: 1,480,327
32: 1,480,809
230— 1: 1,480,721
11: 1,481,158
27: 1,481,070
32: 1,480,781
234— 1: 1,481,047
1,481,064
1.5: 1,480,734
235— 32: 1,480,943
92: 1,480,738
134: 1,481,172
236— 14: 1,480,660
26: 1,480,673
48: 1,480,765
238— 12: 1,480,739
231: 1,480,763
330: 1,480,974
240— 2: 1,481,224
7: 1,481,057
25: 1,480,904
41: 1,480,803
62: 1,481,196
81: 1,480,509
241— 9: 1,481,009
242— 55: 1,481,096
68: 1,480,927
86: 1,480,769
1,480,770
126: 1,480,728
161: 1,481,243
244— 1: 1,480,552
22: 1,480,889
25: 1,481,024
246— 125: 1,481,128
254: 1,480,968
247— 3: 1,480,557
21: 1,481,117
248— 20: 1,480,962
38: 1,481,015
41: 1,481,137
47: 1,480,651
63: 1,480,814
65: 1,481,166
250— 19: 1,480,659
20: 1,480,891
41: 1,480,604
251— 6: 1,480,813
110: 1,481,180
123: 1,480,608
253— 39: 1,480,772
254— 25: 1,481,131
33: 1,480,966
105: 1,480,945
255— 22: 1,481,219
23: 1,481,157
1,481,158
76: 1,480,578
257— 25: 1,481,231
137: 1,480,842
154: 1,480,671
192: 1,480,954
259— 102: R. 15,746
113: 1,480,705
135: 1,480,914
1,480,915
260— 12: 1,480,640
168: 1,481,197
261— 113: 1,481,122
262— 1: 1,480,733
263— 8: 1,480,961
18: 1,480,824
49: 1,481,150
265— 1: 1,481,124
47: 1,481,123
57: 1,481,151
266— 21: 1,480,911
267— 10: 1,481,051
37: 1,480,694
52: 1,480,633
54: 1,480,624
268— 9: 1,481,136
270— 79: 1,480,947
274— 17: 1,480,619
20: 1,480,786
39: 1,480,629
41: 1,480,980
277— 36: 1,480,873
280— 49: 1,481,002
94: 1,480,840
282— 28: 1,480,938
283— 56: 1,480,605
285— 1: 1,480,757
150: 1,480,555
180: 1,481,062
185: 1,480,702
286— 7: 1,480,961
287— 54: 1,480,854
125: 1,480,967
288— 1: 1,481,160
290— 38: 1,480,618
292— 33: 1,480,643
87: 1,480,956
113: 1,481,216
247: 1,481,223
355: 1,480,700
293— 55: R. 15,745
294— 1: 1,480,703
113: 1,480,815
118: 1,480,820
296— 28: 1,480,559
45: 1,481,043
49: 1,481,048
95: 1,480,861
1,481,010
297— 12: 1,481,021
15: 1,480,902
299— 119: 1,480,594
301— 35: 1,481,036
305— 9: 1,480,902
1,480,903
306— 33: 1,480,985

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. 178,774; Jan. 22.
Anastopoulos, Gust, San Francisco, Calif. Tomato paste. 178,748; Jan. 22; Serial No. 162,712; published Nov. 13, 1923.
Bobs Drug Co., The. (See Gerke, Robert H.)
Cleo Products Co. (See Stoecker, William F.)
Daniel Boone Woolen Mills, Inc., Chicago, Ill. Suits, overcoats, trousers, etc. 178,746; Jan. 22; Serial No. 180,685; published Sept. 11, 1923.
Dewart Milk Prod. Co. Inc., Dewart, Pa. Ice cream, sweetened condensed milk, plain condensed milk, ice-cream mixes, etc. 178,749; Jan. 22; Serial No. 169,849; published May 1, 1923.
Donahoe's Inc., Pittsburgh, Pa. Eggs. 178,776; Jan. 22.
E. P. Company. (See Hall, Carlyle.)
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 178,768; Jan. 22.
Enterprise Manufacturing Company, Akron, Ohio. Fishing line. 178,769; Jan. 22.
Enterprise Manufacturing Company, Akron, Ohio. Artificial fish bait. 178,770; Jan. 22.
Enterprise Manufacturing Company, The, Akron, Ohio. Drag handles for fishing reels. 178,771; Jan. 22.
Fitler, Edwin H., Co., The, Philadelphia, Pa. Manila and sisal rope, etc. 178,750; Jan. 22; Serial No. 158,764; published Oct. 30, 1923.
Fitler, Edwin H., Co., The, Philadelphia, Pa. Harvesting and binder twines. 178,751; Jan. 22; Serial No. 158,765; published Oct. 2, 1923.
Fitler, Edwin H., Co., The, Philadelphia, Pa. Manila and sisal rope, etc. 178,752; Jan. 22; Serial No. 158,859; published Oct. 30, 1923.
Fitler, Edwin H., Co., The, Philadelphia, Pa. Drilling cables, cable-laid drilling cables, sand lines, and cable sand lines. 178,753; Jan. 22; Serial No. 185,012; published Nov. 27, 1923.
Furst-McNess Company, Freeport, Ill. Perfume, toilet water, face powder, etc. 178,754; Jan. 22; Serial No. 163,268; published Nov. 13, 1913.
Gerke, Robert H., doing business as The Bobs Drug Co., Marietta, Ohio. Preparation for treating headache, neuralgia, etc. 178,755; Jan. 22; Serial No. 169,356; published Oct. 30, 1923.
Grumbacher, Max, New York, N. Y. Artists' brushes. 178,756; Jan. 22; Serial No. 161,084; published June 13, 1922.
Hall, Carlyle, doing business as E. P. Company, Seattle, Wash. Butter. 178,757; Jan. 22; Serial No. 145,107; published Oct. 3, 1922.
Indianapolis Abattoir Company, Indianapolis, Ind. Digester tankage used for stock feed. 178,758; Jan. 22; Serial No. 162,013; published Jan. 30, 1923.
Kutner-Goldstein Co., San Francisco, Calif. Sulphur. 178,759; Jan. 22; Serial No. 183,304; published Nov. 13, 1923.
McLaurin-Jones Co., Brookfield, Mass. Chocolate-dipping paper. 178,760; Jan. 22; Serial No. 183,715; published Oct. 9, 1923.
National Paint and Varnish Company, The, Cleveland, Ohio. Poster-plant paints, varnishes, and colors. 178,747; Jan. 22; Serial No. 183,985; published Nov. 6, 1923.
Pacific Food Products Co., Portland, Oreg. Canned fruits and berries. 178,761; Jan. 22; Serial No. 185,610; published Nov. 13, 1923.
Pieper, O. R., Co., Milwaukee, Wis. Wheat, pancake, buckwheat, and rye flours. 178,762; Jan. 22; Serial No. 168,784; published Jan. 16.
Shannon, J. Jacob, & Co., Philadelphia, Pa. Derricks, cranes, steam shovels, parts thereof, etc. 178,763; Jan. 22; Serial No. 176,049; published July 10, 1923.
Sherwood Bros. Mfg. Co., Inc., Canastota, N. Y. Children's vehicles. 178,777; Jan. 22.
Stoecker, William F., doing business as Cleo Products Co., Omaha, Nebr. Beverages and sirups for making same. 178,764; Jan. 22; Serial No. 185,630; published Nov. 20, 1923.
Vitamin Milling Company, Los Angeles, Calif. Wheat flour. 178,765; Jan. 22; Serial No. 175,283; published July 31, 1923.
Ward Baking Company, New York, N. Y. Bread. 178,766; Jan. 22; Serial No. 168,184; published Jan. 30, 1923.
Wiener, Ben., & Co., New York, N. Y. Clothing for boys. 178,767; Jan. 22; Serial No. 176,931; published Sept. 11, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Chicle Company, Long Island City, N. Y. Peniment Gum. For Chewing Gum. 26,774; Jan. 22.
Beaver Canning and Packing Company, The, Beaver, Ohio. Becapaco. For Canned Pumpkin. 26,775; Jan. 22.
Clymer Mfg. Co., The, Denver, Colo. Clymer Windshield Spotlight. For Vehicle Spotlights. 26,776; Jan. 22.
Coulapides, A., Inc., New York, N. Y. Egyptian Mysteries Cigarettes. For Cigarette Boxes. 26,777; Jan. 22.
Frankel, B., Company, Inc., The, New York, N. Y. Mitzi. For a Box Container for Hair Nets. 26,778; Jan. 22.
Frankel, B., Company, Inc., The, New York, N. Y. Kitty. For a Box Container for Hair Nets. 26,779; Jan. 22.
Funsten, R. E., Company, St. Louis, Mo. Funsten's. For Nuts. 26,780; Jan. 22.
Good Samaritan Company, The. (See Kelley, Howard E.)
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Macaroni. For Macaroni. 26,781; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Spaghetti. For Spaghetti. 26,782; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Pure Egg Noodles. For Pure Egg Noodles (Hebrew text). 26,783; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Pure Egg Noodles. For Pure Egg Noodles (English text). 26,784; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Potato Starch. For Potato Starch. 26,785; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Matzoth Meal. For Matzoth Meal. 26,786; Jan. 22.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Elbow Macaroni. For Elbow Macaroni. 26,787; Jan. 22.
Herndon, Arthur W., doing business as Southern Candy Co., Spartanburg, S. C. Dixie Dandie. For Candies. 26,788; Jan. 22.
Holland Medicine Company, Saginaw, Mich. Holland (Brand) Stomach Treatment. For a Tonic for the Stomach. 26,789; Jan. 22.
Kelley, Howard E., doing business as The Good Samaritan Company, New York, N. Y. Good Samaritan Liniment Brings Relief. For Cartons Containing Bottles of Liniment. 26,790; Jan. 22.
Kic-Nic, Incorporated, New York, N. Y. Vapor Bouquet Coffee. For Roasted Coffee. 26,791; Jan. 22.
Kic-Nic, Incorporated, New York, N. Y. Kic-Nic. For Vegetable Compound Beverage Containing Coffee and Sirup for Making the Same. 26,792; Jan. 22.
McCrumish, Edmund F., doing business as Tidewater Products Company, Duluth, Minn. Great Lakes To The Ocean. For Cleansing Material. 26,793; Jan. 22.
Milwaukee Paper Box Company, Milwaukee, Wis. Zion Graham Crackers. For Graham Crackers. 26,794; Jan. 22.
Milwaukee Paper Box Company, Milwaukee, Wis. Zion Fig Bars. For Fig Bars. 26,795; Jan. 22.
Milwaukee Paper Box Company, Milwaukee, Wis. Zion Cocoanut Taffy Bar. For Coconut-Taffy Bars. 26,796; Jan. 22.
Nunnally Co., The, Atlanta, Ga. Box Bountiful. For Candy. 26,797; Jan. 22.
Phospho Food Co., Inc., Los Angeles, Calif. Barnes' Toasted Wheat. For Cereal Food. 26,798; Jan. 22.
Ryan, William J. E., Newark, N. J. Corn-Melt. For a Corn Plaster. 26,799; Jan. 22.
Schlesinger, Moritz, New York, N. Y. White Sav-O-Dent The Paste that keeps teeth White Results Prove. For Tooth Paste. 26,800; Jan. 22.
Schlesinger, Moritz, New York, N. Y. Black Sav-O-Dent The Black paste that makes teeth White Results Prove. For Tooth Paste. 26,801; Jan. 22.
Southern Candy Co. (See Herndon, Arthur W.)
Southern Chemical Laboratories, Inc., Fort Worth, Tex. Bluebonnet Hair Tonic and Dandruff Eradicator. For Hair Tonic and Dandruff Eradicator. 26,802; Jan. 22.
Tidewater Products Company. (See McCrumish, Edmund F.)
United Drug Company, doing business as United Candy Company, Boston, Mass. Kandy Packs. For Candy. 26,803; Jan. 22.

Washburn Crosby Company, Minneapolis, Minn. Gold Medal Cake Flour. For Cake Flour. 26,804; Jan. 22.
Washburn Crosby Company, Minneapolis, Minn. Gold Medal Buckwheat Corn and Wheat Pancake Flour. For Buckwheat Corn and Wheat Pancake Flour. 26,805; Jan. 22.
Washburn Crosby Company, Minneapolis, Minn. Gold Medal Purified Bran. For Purified Bran. 26,806; Jan. 22.
Washburn Crosby Company, Minneapolis, Minn. Gold Medal Pancake Flour. For Pancake Flour. 26,807; Jan. 22.
Washburn Crosby Company, Minneapolis, Minn. Gold Medal Quick-Cooking Oats. For Quick-Cooking Oats. 26,808; Jan. 22.
Washburn Crosby Company, Minneapolis, Minn. Gold Medal Wheat Cereal. For Wheat Cereal. 26,809; Jan. 22.
Washougal Woolen Mills, Washougal, Wash. Washougal Woolen Mills. For Woolen Goods. 26,810; Jan. 22.
Wheeler, Reynolds & Stauffer, San Francisco, Calif. Anchor Brand Carbon Bisulphide. For Carbon Bisulphide. 26,811; Jan. 22.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Loose-Fitting B. V. D. Underwear (Two piece quarter sleeve suit). For Athletic Underwear. 7,120; Jan. 22.
Coty, Inc., Wilmington, Del., and New York, N. Y. Les Parfums de Coty. For Perfume. 7,121; Jan. 22.
Cream of Wheat Co., Minneapolis, Minn. Thanksgiving. For Wheat Breakfast Food. 7,122; Jan. 22.
Fisk Coal Company, Jackson, Mich. Blackbird Splint. For Splint Coal. 7,123; Jan. 22.
Georgia, Wm. B., Waco, Tex. Hitone Kut X. For Fancy-Cut Spectacle and Eyeglass Lenses. 7,124; Jan. 22.
Georgia, Wm. B., Waco, Tex. Hitone Kut XV. For Fancy Cut Spectacle and Eyeglass Lenses. 7,125; Jan. 22.
Seaboard Rice Milling Co., Galveston, Tex., and New York, N. Y. Comet Rice. For Rice. 7,126; Jan. 22.
United States Ordnance Company, Washington, D. C. Gless Brake Differential. For a Brake Differential. 7,127; Jan. 22.
Ward Baking Company, New York, N. Y. Health in Every Slice. For Bread. 7,128; Jan. 22.
Ward Baking Company, New York, N. Y. It Beats the Best I Ever Made. For Bread. 7,129; Jan. 22.
Ward Baking Company, New York, N. Y. Ward's Tip-Top Flakes. For Tip-Top Flakes. 7,130; Jan. 22.
Ward Baking Company, New York, N. Y. See How Good They Look. For Cakes. 7,131; Jan. 22.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Einar Hausvik & Co., Bergen, Norway. Canned sardines. 185,336; Jan. 22.
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Medicinal preparations for diphtheria, etc. 183,327–8; Jan. 22.
Aeronautical Digest Publishing Corporation, New York, N. Y. Magazine. 169,431; Jan. 22.
American Druggists Syndicate, Long Island City, N. Y. Perfume, toilet water, face cream, rouge, etc. 187,369; Jan. 22.
American Seeding Machine Company, The, Springfield, Ohio. Grass-seed drills, broadcast lime and fertilizer sowers, cultivators, etc. 188,144; Jan. 22.
Anti-Rain Company. (See Schlote, Charles.)
Archibald, E. A., jr., San Francisco, Calif. Canned, dried, and preserved fruits, canned fish, vegetables, and fruit salad. 183,050; Jan. 22.
Arlington Refrigerator Co., Arlington, Vt. Refrigerators. 187,448; Jan. 22.
Arlington Refrigerator Co., Arlington, Vt. Refrigerators. 187,450; Jan. 22.
Armand Company, The, Des Moines, Iowa. Rouge and face powder. 186,822; Jan. 22.
Armand Company, The, Des Moines, Iowa. Face powder, talcum powder, cold-cream powder, compact powder, rouge, etc. 187,801; Jan. 22.
Aron, J., & Company, Inc., New York, N. Y. Green coffee. 180,263; Jan. 22.
Art Gift Salon, The. (See Stewart, Josephine F.)
Aunt Jemima Mills Company, St. Joseph, Mo. Dolls. 187,657–9; Jan. 22.
Austin Chemical Company, New York, N. Y. Lamp coloring, solvent for lamp coloring, and thinner for lamp coloring. 186,627; Jan. 22.
Baldwin, Nathaniel, Incorporated, Salt Lake City, Utah. Radiophones. 181,105; Jan. 22.
Baltimore Decolorizer Company, Baltimore, Md. Decolorizing agents used in the manufacture of glass. 188,040; Jan. 22.
Baltimore Water Paint Company. (See Swartz, Milton D.)
Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 189,234; Jan. 22.
Best Foods, Inc., The, New York, N. Y. Vegetable butter or vegetable fat. 186,690; Jan. 22.
Blanner's, Philadelphia, Pa. Shoes and hosiery. 187,846; Jan. 22.
Blenheim Bottling Works, The. (See Hubbard, J. C.)
Bobolink Hosiery Mills. (See Wardlaw, Joseph R.)
Bondex Company, The, Baltimore, Md. Dry-powder dough batch. 188,581; Jan. 22.
Boyshform Brassiere Co., The, New York, N. Y. Brassière. 174,652; Jan. 22.
Braley, Arthur A., Seattle, Wash. Laxatives. 188,047; Jan. 22.
Brett Manufacturing Company, Inc., New York, N. Y. Shampoo. 189,236; Jan. 22.
Brewer & Co., Inc., Worcester, Mass. Powdered form of modified milk. 185,691; Jan. 22.
Bruhn, Anna C. H., Dysart, Iowa. Remedy for the treatment of piles. 186,941; Jan. 22.
Capanhat Co. Inc., The, New York, N. Y. Men's hats. 186,413; Jan. 22.
Carmelita Fruit Company, Fresno, Calif. Grapes. 187,605; Jan. 22.
Catelli, C. H., Co. Limited, The, Montreal, Quebec, Canada. Alimentary pastes. 188,631; Jan. 22.
Cementa Svenska Cementförsäljnings Aktiebolaget, Malmo, Sweden. Portland cement. 188,949; Jan. 22.
Centemeri, P., & Co., New York, N. Y. Leather and fabric gloves. 185,424; Jan. 22.
Chestine Co., The, Oshkosh, Wis. Preparation for the relief of chest colds, bronchitis, etc. 188,230; Jan. 22.
Chicago Hardware Foundry Company, North Chicago, Ill. Wall facings, trimmings, panels, partitions, etc. 186,414; Jan. 22.
Christian Moerlein Brewing Co., The, Cincinnati, Ohio. Near beer. 103,221; Jan. 22.
Chubrilo, Milan I., doing business as The Sparkling Spring Water Company, Kenosha, Wis. Bottled spring water, ginger ale, soft beverages. 187,794–5; Jan. 22.
City Baking Company, Baltimore, Md. Bread and pies. 187,664; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,040; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,091; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,093; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,198; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,202; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,717; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,719–21; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,723–4; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,848; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,850; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts, and underwear. 187,851; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,852–3; Jan. 22.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,912–13; Jan. 22.
Coca-Cola Bottling Company of Atlantic City, Atlantic City, N. J. Soft drinks and bottled waters. 182,941; Jan. 22.
Coffman, Cyrus, doing business as Coffman Commercial Company, Buffalo, N. Y. Fresh oranges and apples. 185,665; Jan. 22.
Collin County Mill & Elevator Co., McKinney, Tex. Wheat flour. 185,895; Jan. 22.
Commercial Chemical Company. (See Virtue, Herbert S.)
Conrad, David A., doing business as Conrad Remedy Co., Elm Grove, W. Va. Liquid preparation, a laxative liniment, eye wash, and salves. 186,945; Jan. 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coraza Cigar Co., The, Philadelphia, Pa. Cigars. 187,045; Jan. 22.
Cottonwood Tire House. (See Manley, Raymond H.)
Cragin Products Co., Chicago, Ill. Denatured alcohol. 188,745; Jan. 22.
Crown Barbers' Supply Co. (See Cuddy, Edward B.)
Crygier, F. H., Tobacco Company. (See Eden, Charles.)
Cuddy, Edward B., doing business as Crown Barbers' Supply Co., New York, N. Y. Hair tonics. 188,587; Jan. 22.
Czarnlecki, Andrew J., Plymouth, Pa. Soap. 181,386; Jan. 22.
Dandy-Dobbin Co., New York, N. Y. Toy horse. 189,392; Jan. 22.
D'Avanzo, Antonio, Youngstown, Ohio. Medicine for tuberculosis, asthma, etc. 183,875; Jan. 22.
De Bevoise, Chas. R., Co., Newark, N. J. Brassières. 186,355; Jan. 22.
De Witt, E. C., & Co., Inc., Chicago, Ill. Medical preparation for treatment of rheumatism. 187,805; Jan. 22.
D'Hotman de Villiers, Maxime, Paris, France. Perfumes. 186,538–9; Jan. 22.
Doris Curler Company. (See McClintock, Ora D.)
Dry-Zero Insulation Co., Oakland, Calif. Refrigerators, ice cream cabinets, etc. 183,334; Jan. 22.
Eagle Grocery Co., Pittsburgh, Pa. Canned peas, corn, and beans, and eggs. 186,115; Jan. 22.
Eau de Cologne Fabriek J. C. Boldoot, Amsterdam, Netherlands. Perfumery. 189,043; Jan. 22.
Eberly, Earle K., Philadelphia, Pa. Skin lotion. 187,515; Jan. 22.
Economic Perfume Manufacturing Company. See Saluzzi, Pasquale.)
Eddy Chemical Company. (See Nelson, Semion S.)
Eden, Charles, doing business as F. H. Crygier Tobacco Company, Hartford, Conn. Cigars. 170,327; Jan. 22.
Eisenstein, Sigmund, New York, N. Y. Men's dress, negligee, and work shirts. 186,701; Jan. 22.
Embalmers' Supply Company, The, Westport, Conn. Deodorant, disinfectant, and preservative for putrefaction of the tissues. 188,113; Jan. 22.
Engelhard, A., & Sons Company, Louisville, Ky. Coffees, teas, extracts for flavoring purposes, canned fruits, etc. 130,663; Jan. 22.
Eureka Medicine Co. (See King, E. G.)
Everett, Edward H., Company, The, Bennington, Vt. Fresh apples. 188,004; Jan. 22.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Agents for the resuscitation of the cardiac activity. 189,103; Jan. 22.
Fatman-Roberts Co. Inc., Los Angeles, Calif. Sleeping garments and underwear. 186,119; Jan. 22.
Fatman-Roberts Co. Inc., Los Angeles, Calif. Play suits, dresses, and underwear. 186,120; Jan. 22.
Femiglorin Laboratories, Inc., New York, N. Y. Face powder. 189,046; Jan. 22.
Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 188,362; Jan. 22.
Florita, John R., Company, St. Louis, Mo. Salted peanuts, dates, and shelled pecans. 185,011; Jan. 22.
Fox, Richard W., doing business as Relief Products Co., Birmingham, Ala. Repair outfit for flexible rubber goods. 188,543; Jan. 22.
Fox River Farm Laboratories, Dundee, Ill. Compound for the prevention of abortion in hogs and cattle. 189,307; Jan. 22.
Friedrich-Friedrich Co. Inc., Philadelphia, Pa. Face powder. 185,334; Jan. 22.
Fumigol Products Company, The, Lowell, Mass. Preparations for the treatment of rheumatism, pains, and swellings, etc. 175,858; Jan. 22.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, powders, face creams, etc. 183,918; Jan. 22.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, face, talcum, and sachet powders, face creams, etc. 183,920–1; Jan. 22.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, face, talcum, and sachet powders, face creams, etc. 185,700; Jan. 22.
Gilbert, George W., Wrentham, Mass. Liquid mordant used in the process of dyeing. 189,193–4; Jan. 22.
Given, James C., Philadelphia, Pa. Combination hair-brushes and mirrors. 189,247; Jan. 22.
Gladding Dry Goods Co., Providence, R. I. Boots, shoes, slippers, etc. 187,672; Jan. 22.
Goessling and Ferre, Inc., New York, N. Y. Fabric gloves. 186,593; Jan. 22.
Groblewski, Albert G., & Co., Incorporated, Plymouth, Pa. Liniments for muscular rheumatism, stiff neck, etc. 168,842; Jan. 22.
Hague, A. J., & Co., Inc., New York, N. Y. Salad dressing. 187,673; Jan. 22.
Hague, A. J. & Co. Inc., New York, N. Y. Hair pins, toilet pins, and combs. 173,080; Jan. 22.
Hammons, David H., Inglewood, Calif. Poultry foods. 182,801; Jan. 22.
Hargreaves, Incorporated, Detroit, Mich. Pneumatic automobile tires. 178,606; Jan. 22.
Hasbrouck, William H., New York, N. Y. Writing paper in the form of envelopes, tablets, and papeteries. 185,826; Jan. 22.
Hershel California Fruit Products Co., Inc., Chicago, Ill. Canned tomatoes and cardoons. 188,904; Jan. 22.
Hirsch Brothers Co., Chicago, Ill. Cake mix. 183,293; Jan. 22.
Hoare, George R., doing business as The Vitaregis Water Company, London, England. Aperient waters and salts used in medicine and pharmacy. 169,247; Jan. 22.
Hubbard, J. C., doing business as The Blenheim Bottling Works, Blenheim, S. C. Ginger ale. 186,060; Jan. 22.
Hudnut, Richard, New York, N. Y. Talcum, face powder, bath salts, sachet, etc. 189,001; Jan. 22.
Hygienic Manufacturing Company, Chicago, Ill. Spray nozzles for washing pots, pans, and dishes. 181,399; Jan. 22.
Imai, Kinjiro, doing business as Newton Co., Seattle, Wash. Cold cream. 188,962; Jan. 22.
International Consolidated Chemical Corporation, Inc., doing business as Tokalon, New York, N. Y. Face powders, perfumes, rouges, etc. 186,043; Jan. 22.
International Shoe Company, doing business as Roberts, Johnson & Rand Company, St. Louis, Mo. Women's and children's leather shoes. 183,299; Jan. 22.
International Shoe Company, doing business as Roberts, Johnson & Rand Company, St. Louis, Mo. Men's and children's leather shoes. 183,302; Jan. 22.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Men's and children's shoes of leather. 184,453–4; Jan. 22.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Children's shoes of leather. 184,458; Jan. 22.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Shoes of leather. 184,461; Jan. 22.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Men's and children's leather shoes. 184,463; Jan. 22.
International Shoe Company, St. Louis, Mo. Men's shoes of leather. 187,815; Jan. 22.
International Shoe Company, St. Louis, Mo. Men's shoes of leather. 187,817; Jan. 22.
International Shoe Company, St. Louis, Mo. Women's shoes of leather. 187,819; Jan. 22.
Jarrett Rainsford & Laughton, Limited, Birmingham, England. Pins, hair curlers, snap fasteners, etc. 172,111; Jan. 22.
Jewell, Charles M., Tulare, Calif. Collapsible beds. 167,303; Jan. 22.
Keith, Geo. E., Company, Brockton, Mass. Boots and shoes made of leather. 188,154; Jan. 22.
Kemp & Lane, Inc., Le Roy, N. Y. Preparation for the treatment of disorders of the stomach and bowels. 160,062; Jan. 22.
Kennedy Specialty Co., The, Columbia, S. C. Fender brace for automobiles. 189,057; Jan. 22.
King, E. G., doing business as Eureka Medicine Co., Douglas, Nebr. Preparation for hay fever. 165,204; Jan. 22.
King's Food Products Company, Portland, Oreg. Canned and dehydrated fruits and vegetables. 165,387; Jan. 22.
Klock, Halbert & Dyson, Inc., Philadelphia, Pa. Ladies' hose. 187,222; Jan. 22.
Koken Companies, St. Louis, Mo. Razor strops. 189,163; Jan. 22.
Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung, Dresden, Germany. Photographic chemicals and toning solutions. 184,249; Jan. 22.
Krank, A. J., Mfg. Co., St. Paul, Minn. Antiseptic for skin infections and irritations. 169,306; Jan. 22.
Laing, Harrar & Chamberlin, Philadelphia, Pa. Rubber heels. 187,681; Jan. 22.
Landin, Anny, doing business as The Virozol Co., New York, N. Y. Toilet preparations. 168,369; Jan. 22.
Lansburgh & Bro., Washington, D. C. Leather and fabric shoes. 186,138; Jan. 22.
Leather Products & Finishing Co., Los Angeles, Calif. Check covers, pass books, special cloth price books, and sales-book covers. 177,853; Jan. 22.
Lecroy, Sam B., doing business as S. B. Lecroy Company, Denver, Colo. Adhesive cement. 183,981; Jan. 22.
Lindemann, Adolf D., & Son, New York, N. Y. Perfume, toilet water, sachet, rouge, etc. 181,954; Jan. 22.
Lodge & Shipley Machine Tool Co., The, Cincinnati, Ohio. Lathes. 188,213; Jan. 22.
Loose-Wiles Biscuit Company, Chicago, Ill. Biscuits. 189,164; Jan. 22.
Louisiana Margarin Company, Inc., New Orleans, La. Oleomargarine, butter, cheese, milk. 185,715; Jan. 22.
Lustrite Corporation, The, Brooklyn, N. Y. Cuticle ointment or salve. 185,978; Jan. 22.
McClintock, Ora D., doing business as Doris Curler Company, Chicago, Ill. Hair lotion. 173,777; Jan. 22.
Maine Barber Supply Co., Portland, Me. Hair tonic. 188,157; Jan. 22.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Manford Pharmacal Co., St. Louis, Mo. Perfumes, cold creams, toilet water, etc. 184,555; Jan. 22.
Manley, Raymond H., doing business as Cottonwood Tire House, Cottonwood, Ariz. Toy rocking horses. 188,917; Jan. 22.
Marriott & Wright, Baltimore, Md. Trundle toys. 188,918; Jan. 22.
Mastin & Company, Inc., New York, N. Y. Hair tonic. 187,473; Jan. 22.
Mead, C. H., Coal Company, Beckley, W. Va. Coal. 188,600; Jan. 22.
Melton Laboratories, The. (See Stunz, Harold M.)
Melville Shoe Corporation, New York, N. Y. Rubber heels for shoes. 185,664; Jan. 22.
Mendoza Fur Dyeing Works, Inc., New York, N. Y. Furs, skins, hides, etc. 189,061; Jan. 22.
Menley & James, Limited, New York, N. Y. Anodyne, rubefacient, counter-irritant, etc. 174,148; Jan. 22.
Mentopine Corporation, The, Wilmington, Del., and Philadelphia, Pa. Cough drops or throat lozenges. 187,435-6; Jan. 22.
Merrill Hosiery Company, Hornell, N. Y. Hosiery. 187,170; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedies against fever, rheumatism, and neuralgia. 174,177; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Anæsthetics and antiseptics. 174,178; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Preparation for the treatment of diseases of the eye, nose, larynx, bladder, etc. 174,179; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Remedies for gonorrhea. 174,180; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Anæsthetics. 174,181; Jan. 22.
Metz, H. A., Laboratories, Inc., New York, N. Y. Local anæsthetics. 174,182; Jan. 22.
Mills, James, Orchards Corporation, Hamilton City, Calif. Citrous fruits. 186,919; Jan. 22.
Mur-Sol Chemical Products Co., New York, N. Y. Washing compound. 189,262; Jan. 22.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Baker's products. 183,582; Jan. 22.
National Blank Book Co., Holyoke, Mass. Loose-leaf sheets for loose-leaf binders. 187,382; Jan. 22.
National Food Products Corporation, Inc., Los Angeles, Calif. Powder used for pie-filling. 187,476; Jan. 22.
National Stationery Stores, Inc., Chicago, Ill. Pad calendars, eyelets, envelopes, writing tablets. 170,304; Jan. 22.
Nelson, Semion S., doing business as Eddy Chemical Company, Hartford, Conn. Hair reviver or tonic. 189,263; Jan. 22.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Evaporated milk. 157,626; Jan. 22.
Ohio Valley Refining Company, St. Marys, W. Va. Non-freezing radiator compound. 189,198; Jan. 22.
Oustayan, Harry, New York, N. Y. Preparation for the restoration of youth and energy. 183,665; Jan. 22.
Pardy, Eva, Chicago, Ill. Salve for removing corns. 186,852; Jan. 22.
Parfumerie Roger & Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, etc., and perfumery. 185,143; Jan. 22.
Pennsylvania Rubber Company, Jeannette, Pa. Rubber tires for vehicles. 189,136; Jan. 22.
Pennsylvania Soap Company of Lancaster, Pa., Lancaster, Pa. Soaps. 189,130; Jan. 22.
Pennsylvania Soap Company of Lancaster, Pa., Lancaster, Pa. Soaps. 189,373; Jan. 22.
Peters Shoe Company. (See International Shoe Company.)
Picker, James, Inc., New York, N. Y. X-Ray apparatus supplies, materials, and accessories. 170,987; Jan. 22.
Pinkussohn, J. S., Cigar Company, Savannah, Ga. Cigarettes. 187,333; Jan. 22.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, lotions, etc. 186,612; Jan. 22.
Plant, Thomas G., Company, Boston, Mass. Rubber heels. 183,989; Jan. 22.
Releef Products Co. (See Fox, Richard W.)
Research Club, Inc., Chicago, Ill. Soap, neat's-foot compound, leather dressing, and mohair dressing. 188,429; Jan. 22.
Rhodes, John E., New York, N. Y. Hose supporters and garters. 185,348; Jan. 22.
Rice-Stix Dry Goods Company, St. Louis, Mo. Men's and boys' outer shirts. 187,020; Jan. 22.
Richardson Corporation, Rochester, N. Y. Nonalcoholic beverage and sirup used in making the beverage. 187,830; Jan. 22.
Ridme Chemical Co., Parsons, Kans. Poultry insecticide. 188,571; Jan. 22.
Rigo Chemical Co., Nashville, Tenn. Face powders, and creams, toilet waters, rouges, talcum powders, perfumes, etc. 188,572; Jan. 22.
Risdon Manufacturing Company, The, Naugatuck, Conn. Safety pins. 175,105; Jan. 22.
Roberts, Johnson & Rand Company. (See International Shoe Company.)
Rubsam Sales Company, The, Cleveland, Ohio, and Jackson, Mich. Vehicle wheels, felly bands, rims, etc. 166,101; Jan. 22.
Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 188,707-10; Jan. 22.
Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 189,072-3; Jan. 22.
Russell Box Company, Chelsea, Mass. Paper boxes. 189,336; Jan. 22.
Saluzzi, Pasquale, doing business as Economic Perfume Manufacturing Company, Brooklyn, N. Y. Hair tonic. 186,087; Jan. 22.
San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 177,874; Jan. 22.
Sano Pharmacal Co. (See Winberg, W. Wm.)
Santoni Fruit & Packing Corporation, New York, N. Y. Canned grape fruit. 189,012; Jan. 22.
Saunders, Geo. J., Chicago, Ill. Face cream. 186,803; Jan. 22.
Schacht Rubber Mfg. Co., Huntington, Ind. Rubber heels. 187,230; Jan. 22.
Schlote, Charles, doing business as Anti Rain Company, Chicago, Ill. Compound for preventing accumulation of moisture upon glass. 189,170; Jan. 22.
Schübel, Ignaz, Berlin, Germany. Gaiters and leggings. 184,663; Jan. 22.
Schulze Baking Company, Chicago, Ill. Bread. 189,171; Jan. 22.
Sempliner, Edward, New York, N. Y. Shoes. 186,677; Jan. 22.
Smith, Thomas E., doing business as T. E. Smith Medicine Co., Houston, Tex. Kidney tablet. 186,202; Jan. 22.
Solvodent Laboratories. (See Thompson-Barlow Company.)
Sonneborn Brothers, New York, N. Y. Overcoats, coats, vests, and trousers. 188,446; Jan. 22.
Southern Hat Co., Inc., New Orleans, La. Men's hats. 186,679; Jan. 22.
Sparkling Spring Water Company, The. (See Chubrilo, Milan I.)
Special Chemicals Company, Highland Park, Ill. Tooth paste. 169,830; Jan. 22.
Stamm, Gustav W., doing business as Stamm Manufacturing Company, St. Paul, Minn. Statuary and bric-a-brac. 169,518; Jan. 22.
Standard Beverage Corporation, Chicago, Ill. Ginger ale. 188,937; Jan. 22.
Standard Oil Company of New York, New York, N. Y. Soap. 188,381; Jan. 22.
Standard Oil Company of New York, New York, N. Y. Asphaltum. 188,383; Jan. 22.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, face powder and poudre cream. 189,078; Jan. 22.
Stevens, J. P., Engraving Co., Atlanta, Ga. Dealer indicators for use in card games. 188,575; Jan. 22.
Stewart, Josephine F., doing business as The Art Gift Salon, Washington, D. C. Sachet bags, handkerchief bags, and analogous articles or fancy articles. 187,070; Jan. 22.
Strawbridge & Clothier, Philadelphia, Pa. Children's shoes made of leather. 187,966; Jan. 22.
Stuart, Irwin, doing business as Stuart Brothers, New York, N. Y. Headache powders. 187,443; Jan. 22.
Stunz, Harold M., doing business as The Melton Laboratories, Kansas City, Mo. Health tonic. 186,167; Jan. 22.
Sullivan, Mary L., doing business as The Sullivan Co., New York, N. Y. Cleansing cream, tissue cream, skin lotion, liquid powder, etc. 187,902; Jan. 22.
Swartz, Milton D., doing business as Baltimore Water Paint Company, Baltimore, Md. Paints. 188,340; Jan. 22.
Taggart, William, Ballysillan, Belfast, Ireland. Liquid paramin. 184,529; Jan. 22.
Tel-U-Kod Co., Inc., The, Baltimore, Md. Printed code cards. 170,451; Jan. 22.
Thompson-Barlow Company, Inc., The, doing business as Solvodent Laboratories, New York, N. Y. Dentifrice. 185,323; Jan. 23.
Thompson, Carrie E., Memphis, Tenn. Hair grower and hair-pressing oil. 183,804; Jan. 22.
Tokalon. (See International Consolidated Chemical Corporation, Inc.)
Toledo Supply Company, Toledo, Ohio. Tack rags and cloths for collecting dust and lint from surfaces of objects. 180,951; Jan. 22.
Tryon, Edw. K., Company, Philadelphia, Pa. Bicycles and tricycles. 188,781; Jan. 22.
United States Products Corporation, Manchester, Conn. Ammonia. 187,552; Jan. 22.
Verm-O-Spray Products Co., Inc., West Haven, Conn. Chemical preparation for the extermination of insects and rodents. 186,731; Jan. 22.
Victor Rubber Company, The, Maitland, Springfield, Ohio. Pneumatic tires. 188,727; Jan. 22.

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Virozol Co., The. (See Landin, Anny.)
Virtue, Herbert S., doing business as Commercial Chemical Company, Boston, Mass. Filler and preservative for leather belting, etc., also waterproofing for soles. 189,212; Jan. 22.
Vitaregis Water Company, The. (See Hoare, George R.)
Wardlow, Joseph R., doing business as Bobolink Hosiery Mills, Chattanooga, Tenn. Silk, cotton, and wool hosiery. 188,348; Jan. 22.
Watkins, Paul, doing business as Paul Watkins Cigar Company, Lakeland, Fla. Cigars. 184,312; Jan. 22.
Watson, Ralph A., Portland, Oreg. Medicine for rheumatism, lumbago, etc. 187,273; Jan. 22.
Whalen, Elizabeth, Watertown, N. Y. Leather, leatheroid, and oilcloth for guards for children's shoes. 185,852; Jan. 22.
Winberg, W. Wm., doing business as Sano Pharmacal Co., Wilmette, Ill. Milk of magnesia, headache powders, pile ointment, etc. 145,378; Jan. 22.
Winfield Baking Co. Inc., Newburgh, N. Y. Bread. 188,980; Jan. 22.
Williams, J. B., Company, The, Glastonbury, Conn. Talcum powder. 189,086; Jan. 22.
Worthy Manufacturing Company, Chicago, Ill. Work shirts. 188,726; Jan. 22.
Wren, James H., Norfolk, Va. Accounting records and forms. 185,684; Jan. 22.
Wright, Shirley V., Shoe Company, The, St. Louis, Mo. Leather shoes. 178,015; Jan. 22.
Zane, Ralph R., doing business as The Zane Drug Co., South Pasadena, Calif. Toilet and medicinal preparations. 170,854; Jan. 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 6.

Perfume, toilet water, face powder, etc. Furst-McNess Company. 178,754; Jan. 22; Serial No. 183,268; published Nov. 13, 1923.
Preparation for treating headache, neuralgia, earache, etc. R. H. Gerke. 178,755; Jan. 22; Serial No. 169,556; published Oct. 30, 1923.
Sulphur. Kutner-Goldstein Co. 178,759; Jan. 22; Serial No. 183,304; published Nov. 13, 1923.

CLASS 7.

Cables, sand lines, and cable-laid sand lines. Edwin H. Fitler Co. 178,753; Jan. 22; Serial No. 185,012; published Nov. 27, 1923.
Rope, etc., Manila and sisal. Edwin H. Fitler Co. 178,750; Jan. 22; Serial No. 158,764; published Oct. 30, 1923.
Rope, etc., Manila and sisal. Edwin H. Fitler Co. 178,752; Jan. 22; Serial No. 158,859; published Oct. 30, 1923.
Twines, Harvesting and binder. Edwin H. Fitler Co. 178,751; Jan. 22; Serial No. 158,765; published Oct. 2, 1923.

CLASS 10.

Fertilizers. American Agricultural Chemical Company. 178,774; Jan. 22.

CLASS 16.

Paints, varnishes, and colors. National Paint and Varnish Company. 178,747; Jan. 22; Serial No. 183,985; published Nov. 6, 1923.

CLASS 22.

Fish bait, Artificial. Enterprise Manufacturing Company. 178,770; Jan. 22.
Fishing line. Enterprise Manufacturing Company. 178,769; Jan. 22.
Fishing reels, Drag handles for. Enterprise Manufacturing Company. 178,771; Jan. 22.
Minnows, Artificial. Enterprise Manufacturing Company. 178,768; Jan. 22.
Vehicles, Children's. Sherwood Bros. Mfg. Co. 178,777; Jan. 22.

CLASS 23.

Derricks, cranes, steam shovels, parts thereof, etc. J. Jacob Shannon & Co. 178,763; Jan. 22; Serial No. 176,049; published July 10, 1923.

CLASS 29.

Brushes, Artists'. M. Grumbacher. 178,756; Jan. 22; Serial No. 161,084; published June 13, 1922.

CLASS 37.

Paper, Chocolate-dipping. McLaurin-Jones Co. 178,760; Jan. 22; Serial No. 183,715; published Oct. 9, 1923.

CLASS 39.

Clothing for boys. Ben Weiner & Co. 178,767; Jan. 22. Serial No. 176,931; published Sept. 11, 1923.
Suits, overcoats, trousers, etc. Daniel Boone Woolen Mills, Inc. 178,746; Jan. 22; Serial No. 180,685; published Sept. 11, 1923.

CLASS 45.

Beverages and sirups for making same. W. F. Stoecker. 178,764; Jan. 22; Serial No. 185,630; published Nov. 20, 1923.

CLASS 46.

Bread. Ward Baking Company. 178,766; Jan. 22; Serial No. 168,184; published Jan. 30, 1923.
Butter. C. Hall. 178,757; Jan. 22; Serial No. 145,107; published Oct. 3, 1922.
Canned fruits and berries. Pacific Food Products Co. 178,761; Jan. 22; Serial No. 185,610; published Nov. 13, 1923.
Eggs. Donahoe's Inc. 178,776; Jan. 22.
Feed, Digester tankage used for stock. Indianapolis Abattoir Company. 178,758; Jan. 22; Serial No. 162,013; published Jan. 30, 1923.
Flour, Wheat. Vitimin Milling Company. 178,765; Jan. 22; Serial No. 175,283; published July 31, 1923.
Flours, Wheat, etc. O. R. Pieper. 178,762; Jan. 22; Serial No. 168,784; published Jan. 16, 1923.
Ice cream, sweetened and plain condensed milk, ice-cream mixes, etc. Dewart Milk Prod. Co. Inc. 178,749; Jan. 22; Serial No. 169,849; published May 1, 1923.
Tomato paste. G. Anastopoulos. 178,748; Jan. 22; Serial No. 162,712; published Nov. 13, 1923.

ALPHABETICAL LIST OF LABELS.

Anchor Brand Carbon Bisulphide. For Carbon Bisulphide. Wheeler, Reynolds & Stauffer. 26,811; Jan. 22.
Barnes' Toasted Wheat. For Cereal Food. Phospho Food Co. 26,798; Jan. 22.
Becapaco. For Canned Pumpkin. Beaver Canning and Packing Company. 26,775; Jan. 22.
Black Say-O-Dent The Black paste that makes teeth White Results Prove. For Tooth Paste. M. Schlesinger. 26,801; Jan. 22.
Birebonnet Hair Tonic and Dandruff Eradicator. For Hair Tonic and Dandruff Eradicator. Southern Chemical Laboratories, Inc. 26,802; Jan. 22.
Box Bountiful. For Candy. Nunnally Co. 26,797; Jan. 22.
Clymer Windshield Spotlight. For Vehicle Spotlights. Clymer Mfg. Co. 26,776; Jan. 22.
Corn-Melt. For a Corn Plaster. W. J. E. Ryan. 26,799; Jan. 22.
Dixie Dandie. For Candies. A. W. Herndon. 26,788; Jan. 22.
Egyptian Mysteries Cigarettes. For Cigarette Boxes. A. Coulapides, Inc. 26,777; Jan. 22.
Funsten's. For Nuts. R. E. Funsten Company. 26,780; Jan. 22.
Gold Medal Buckwheat Corn and Wheat Pancake Flour. For Buckwheat Corn and Wheat Pancake Flour. Washburn Crosby Company. 26,805; Jan. 22.
Gold Medal Cake Flour. For Cake Flour. Washburn Crosby Company. 26,804; Jan. 22.
Gold Medal Pancake Flour. For Pancake Flour. Washburn Crosby Company. 26,807; Jan. 22.
Gold Medal Purified Bran. For Purified Bran. Washburn Crosby Company. 26,806; Jan. 22.
Gold Medal Quick-Cooking Oats. For Quick-Cooking Oats. Washburn Crosby Company. 26,808; Jan. 22.
Gold Medal Wheat Cereal. For Wheat Cereal. Washburn Crosby Company. 26,809; Jan. 22.
Good Samaritan Liniment Brings Relief. For Cartons Containing Bottles of Liniment. H. E. Kelley. 26,790; Jan. 22.
Goodman's Elbow Macaroni. For Elbow Macaroni. A. Goodman & Sons, Inc. 26,787; Jan. 22.
Goodman's Macaroni. For Macaroni. A. Goodman & Sons, Inc. 26,781; Jan. 22.

ALPHABETICAL LIST OF LABELS.

Goodman's Matzoth Meal. For Matzoth Meal. A. Goodman & Sons, Inc. 26,786; Jan. 22.
Goodman's Potato Starch. For Potato Starch. A. Goodman & Sons, Inc. 26,785; Jan. 22.
Goodman's Pure Egg Noodles. For Pure Egg Noodles (English text). A. Goodman & Sons, Inc. 26,784; Jan. 22.
Goodman's Pure Egg Noodles. For Pure Egg Noodles (Hebrew text). A. Goodman & Sons, Inc. 26,783; Jan. 22.
Goodman's Spaghetti. For Spaghetti. A. Goodman & Sons, Inc. 26,782; Jan. 22.
Great Lakes To The Ocean. For Cleansing Material. E. F. McCrumish. 26,793; Jan. 22.
Holland (Brand) Stomach Treatment. For a Tonic for the Stomach. Holland Medicine Company. 26,789; Jan. 22.
Kandy Packs. For Candy. United Drug Company. 26,803; Jan. 22.
Kic-Nic. For a Vegetable Compound Beverage Containing Coffee and Sirup for Making the Same. Kic-Nic, Incorporated. 26,792; Jan. 22.
Kitty. For a Box Container for Hair Nets. B. Frankel Company. 26,779; Jan. 22.
Mitzi. For a Box Container for Hair Nets. B. Frankel Company. 26,778; Jan. 22.
Planimint Gum. For Chewing Gum. American Chicle Company. 26,774; Jan. 22.
Vapor Bouquet Coffee. For Roasted Coffee. Kic-Nic, Incorporated. 26,791; Jan. 22.
Washougal Woolen Mills. For Woolen Goods. Washougal Woolen Mills. 26,810; Jan. 22.
White Say-O-Dent The Paste that keeps teeth White Results Prove. For Tooth Paste. M. Schlesinger. 26,800; Jan. 22.
Zion Cocoanut Taffy Bar. For Coconut-Taffy Bars. Milwaukee Paper Box Company. 26,796; Jan. 22.
Zion Fig Bars. For Fig Bars. Milwaukee Paper Box Company. 26,795; Jan. 22.
Zion Graham Crackers. For Graham Crackers. Milwaukee Paper Box Company. 26,794; Jan. 22.

ALPHABETICAL LIST OF PRINTS.

Blackbird Splint. For Splint Coal. Fisk Coal Company. 7,123; Jan. 22.
Comet Rice. For Rice. Seaboard Rice Milling Co. 7,126; Jan. 22.
Gless Brake Differential. For a Brake Differential. United States Ordnance Company. 7,127; Jan. 22.
Health in Every Slice. For Bread. Ward Baking Company. 7,128; Jan. 22.
Hitone Kut X. For Fancy-Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 7,124; Jan. 22.
Hitone Kut XV. For Fancy-Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 7,125; Jan. 22.
It Beats the Best I Ever Made. For Bread. Ward Baking Company. 7,129; Jan. 22.
Lea Parfums de Coty. For Perfume. Coty, Inc. 7,121; Jan. 22.
Loose-Fitting B. V. D. Underwear (Two piece quarter sleeve suit). For Athletic Underwear. B. V. D. Company. 7,120; Jan. 22.
See How Good They Look. For Cakes. Ward Baking Company. 7,131; Jan. 22.
Thanksgiving. For Wheat Breakfast Food. Cream of Wheat Co. 7,122; Jan. 22.
Ward's Tip-Top Flakes. For Tip-Top Flakes. Ward Baking Company. 7,130; Jan. 22.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. C. H. Mead Coal Company. 188,600; Jan. 22.
Furs, skins, hides, etc. Mendoza Fur Dyeing Works, Inc. 189,061; Jan. 22.
Leather. Fred Rueping Leather Company. 188,707–10; Jan. 22.
Leather. Fred Rueping Leather Company. 189,072–3; Jan. 22.

CLASS 2.

Boxes, Paper. Russell Box Company. 189,336; Jan. 22.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 189,234; Jan. 22.
Compound for preventing accumulation of moisture upon glass. C. Schlote. 189,170; Jan. 22.
Filler and preservative for leather belting, etc., also waterproofing for soles. H. S. Virtue. 189,212; Jan. 22.
Razor strops. Koken Companies. 189,163; Jan. 22.
Soap. A. J. Czarnietki 181,386; Jan. 22.
Soap. Standard Oil Company of New York. 188,381; Jan. 22.
Soap, neat's-foot compound leather dressing and mohair dressing. Research Club, Inc. 188,429; Jan. 22.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 189,139; Jan. 22.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 189,373; Jan. 22.
Tack rags and cloths for collecting dust and lint. Toledo Supply Company. 180,951; Jan. 22.
Washing compound. Mur-Sol Chemical Products Co. 189,262; Jan. 22.

CLASS 5.

Adhesive cement. S. B. Lecroy. 183,981; Jan. 22.

CLASS 6.

Agents for the resuscitation of the cardiac activity. Farbenfabriken vorm. Friedr. Bayer & Co. 189,103; Jan. 22.
Alcohol, Denatured. Cragin Products Co. 188,745; Jan. 22.
Ammonia. United States Products Corporation. 187,552; Jan. 22.
Anæsthetics. H. A. Metz Laboratories, Inc. 174,181; Jan. 22.
Anæsthetics and antiseptics. H. A. Metz Laboratories, Inc. 174,178; Jan. 22.
Anæsthetics, Local. H. A. Metz Laboratories, Inc. 174,182; Jan. 22.
Anodyne, rubefacient, counterirritant, etc. Menley & James, Limited. 174,148; Jan. 22.
Antiseptic for skin infections and irritations. A. J. Krank Mfg. Co. 169,306; Jan. 22.
Chemical preparations. Verm-O-Spray Products Co. 186,731; Jan. 22.
Compound for prevention of abortion in hogs and cattle. Fox River Farm Laboratories. 189,307; Jan. 22.
Cough drops or throat lozenges. Mentopine Corporation. 187,435–6; Jan. 22.
Cream, Cold. K. Imai. 188,962; Jan. 22.
Cream, Face. G. J. Saunders. 186,803; Jan. 22.
Creams, skin lotion, liquid powder, etc., Cleansing and tissue. M. L. Sullivan. 187,902; Jan. 22.
Dentifrice. Thompson-Barlow Company. 185,323; Jan. 22.
Deodorant, disinfectant, and preservative for putrefaction of the tissues. Embalmer's Supply Company. 188,113; Jan. 22.
Glass, Decolorizing agents used in the manufacture of. Baltimore Decolorizer Company. 188,040; Jan. 22.
Hair grower and hair-pressing oil. C. E. Thompson. 183,894; Jan. 22.
Hair lotion. O. D. McClintock. 173,777; Jan. 22.
Hair reviver or tonic. S. S. Nelson. 189,263; Jan. 22.
Hair tonic. P. Saluzzi. 186,087; Jan. 22.
Hair tonic. Mastin & Company. 187,473; Jan. 22.
Hair tonic. Maine Barber Supply Co. 188,157; Jan. 22.
Hair tonics. E. B. Cuddy. 188,587; Jan. 22.
Insecticide, Poultry. Ridme Chemical Co. 188,571; Jan. 22.
Laxatives. A. A. Braley. 188,947; Jan. 22.
Liniments for muscular rheumatism, stiff neck, etc. Albert G. Groblewski & Co. 168,842; Jan. 22.
Liquid preparation, laxative liniment, eye wash, and salves. D. A. Conrad. 186,945; Jan. 22.
Lotion, Skin. E. K. Eberly. 187,515; Jan. 22.
Lotions, face, talcum, and sachet powders, face creams, etc., Toilet. Guy T. Gibson, Incorporated. 185,700; Jan. 22.
Lotions, powders, rouges, etc., Toilet. Guy T. Gibson, Incorporated. 183,918; Jan. 22.
Lotions, powders, rouges, etc., Toilet. Guy T. Gibson, Incorporated. 183,920–1; Jan. 22.
Magnesia, headache powders, pile ointment, etc., Milk of. W. W. Winberg. 145,378; Jan. 22.
Medical preparation for treatment of rheumatism. E. C. De Witt & Co. 187,805; Jan. 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Medicinal preparations for diphtheria, etc. Actien-Gesellschaft für Anilin Fabrikation. 183,327–8; Jan. 22.
Medicine for rheumatism, etc. R. A. Watson. 187,273; Jan. 22.
Medicine for tuberculosis, asthma, etc. A. D'Avanzo. 183,875; Jan. 22.
Mordant, Liquid. G. W. Gilbert. 189,193–4; Jan. 22.
Ointment or salve, Cuticle. Lustrite Corporation. 185,978; Jan. 22.
Paraffin, Liquid. W. Taggart. 184,529; Jan. 22.
Paste, Tooth. Special Chemicals Company. 169,830; Jan. 22.
Pastes and powders and perfumery. Parfumerie Roger & Gallet. 185,143; Jan. 22.
Perfume, toilet water, face powder, and poudre cream. Frederick Stearns & Company. 189,078; Jan. 22.
Perfume, toilet-water lotions, etc. L. T. Piver, Inc. 186,612; Jan. 22.
Perfume, toilet water, sachet, etc. Adolf D. Lindemann & Son. 181,954; Jan. 22.
Perfume, toilet waters, face cream, rouge, etc. American Druggists Syndicate. 187,369; Jan. 22.
Perfumes. M. D'Hotman de Villiers. 188,538–9; Jan. 22.
Perfumes, cold creams, vanishing creams, etc. Manford Pharmacal Co. 184,555; Jan. 22.
Perfumery. Eau de Cologne Fabriek J. C. Boldoot. 189,043; Jan. 22.
Photographic chemicals and toning solutions. Kraft & Steudel Fabrik Photographischer Papiere Gesellschaft mit beschränkter Haftung. 184,240; Jan. 22.
Powder, Face. Femigloria Laboratories, Inc. 189,046; Jan. 22.
Powder, Face. Friedrich-Friedrich Co. 185,334; Jan. 22.
Powder, Talcum. J. B. Williams Company. 189,086; Jan. 22.
Powders and creams, toilet waters, rouges, etc., Face. Rigo Chemical Co. 188,572; Jan. 22.
Powders and face powder compacts, perfumes, etc., Face. International Consolidated Chemical Corporation, Inc. 186,643; Jan. 22.
Powders, Headache. I. Stuart. 187,443; Jan. 22.
Powders, rouge, etc. Armand Company. 187,401; Jan. 22.
Preparation for hay fever. E. G. King. 165,294; Jan. 22.
Preparation for the relief of chest colds, bronchitis, etc. Chestine Co. 188,230; Jan. 22.
Preparation for the restoration of youth and energy. H. Oustayan. 183,665; Jan. 22.
Preparation for the treatment of diseases of the eye, nose, larynx, bladder, etc. H. A. Metz Laboratories, Inc. 174,179; Jan. 22.
Preparation for the treatment of disorders of the stomach and bowels. Kemp & Lane, Inc. 168,062; Jan. 22.
Preparations for the treatment of rheumatism, colds, etc. Fumigol Products Company. 175,858; Jan. 22.
Radiator compound, Nonfreezing. Ohio Valley Refining Company. 189,198; Jan. 22.
Remedies against fever, rheumatism, and neuralgia. H. A. Metz Laboratories, Inc. 174,177; Jan. 22.
Remedies for gonorrhea. H. A. Metz Laboratories, Inc. 174,180; Jan. 22.
Remedy for the treatment of piles. A. C. B. Bruhn. 186,941; Jan. 22.
Rouge and face powder. Armand Company. 186,822; Jan. 22.
Salve for corns. E. Pardy. 186,852; Jan. 22.
Shampoo. Brett Manufacturing Company. 189,236; Jan. 22.
Sulphur. San Francisco Sulphur Co. 177,874; Jan. 22.
Tablet, Kidney. T. E. Smith. 186,202; Jan. 22.
Talcum, face powder, bath salts, etc. Richard Hudnut. 189,001; Jan. 22.
Toilet and medicinal preparations. R. R. Zane. 170,854; Jan. 22.
Toilet preparations. A. Landin. 168,369; Jan. 22.
Tonic, Health. H. M. Stuns. 186,167; Jan. 22.
Waters and salts for use in medicine and pharmacy, Aperient. G. R. Hoare. 169,247; Jan. 22.

CLASS 12.

Asphaltum. Standard Oil Company of New York. 188,383; Jan. 22.
Cement, Portland. Cementa Svenska Cementförsäljnings Aktiebolaget. 188,949; Jan. 22.
Wall facings, trimmings, panels, etc. Chicago Hardware Foundry Company. 186,414; Jan. 22.

CLASS 13.

Nozzles, Spray. Hygienic Manufacturing Company. 181,399; Jan. 22.

CLASS 14.

Forgings, Steel. A. Finkl & Sons Company. 188,362; Jan. 22.

CLASS 16.

Lamp coloring, solvent, and thinner for lamp coloring. Austin Chemical Company. 186,627; Jan. 22.
Paints. M. D. Swartz. 188,340; Jan. 22.

CLASS 17.

Cigarettes. J. S. Pinkussohn Cigar Company. 187,533; Jan. 22.
Cigars. Coraza Cigar Co. 187,045; Jan. 22.
Cigars. C. Eden. 170,327; Jan. 22.
Cigars. P. Watkins. 184,312; Jan. 22.

CLASS 19.

Automobiles, Fender brace for. Kennedy Specialty Co. 189,057; Jan. 22.
Bicycles and tricycles. Edw. K. Tryon Company. 188,781; Jan. 22.
Wheels, felly bands, rims, etc., Vehicle. Rubsam Sales Company. 166,101; Jan. 22.

CLASS 21.

Radiophones. Nathaniel Baldwin Incorporated. 181,105; Jan. 22.

CLASS 22.

Dolls. Aunt Jemima Mills Company. 187,659–9; Jan. 22.
Games, Dealer indicators for use in card. J. P. Stevens Engraving Co. 188,575; Jan. 22.
Toy horse. Dandy-Dobbin Co. 189,392; Jan. 22.
Toy rocking-horses. R. H. Manley. 188,917; Jan. 22.
Toys, Trundle. Marriott & Wright. 188,918; Jan. 22.

CLASS 23.

Drills, broadcast lime and fertilizer sowers, cultivators, etc., Grass-seed. American Seeding Machine Company. 188,144; Jan. 22.
Lathes. Lodge & Shipley Machine Tool Co. 188,213; Jan. 22.

CLASS 29.

Hairbrushes and mirrors, Combination. J. C. Given. 189,247; Jan. 22.

CLASS 31.

Refrigerators. Arlington Refrigerator Co. 187,448; Jan. 22.
Refrigerators. Arlington Refrigerator Co. 187,450; Jan. 22.
Refrigerators, ice-cream cabinets, etc. Dry-Zero Insulation Co. 183,334; Jan. 22.

CLASS 32.

Beds, Collapsible. C. M. Jewell. 167,303; Jan. 22.

CLASS 35.

Rubber goods, Repair outfit for flexible. R. W. Fox. 188,543; Jan. 22.
Tires for vehicles, Rubber. Pennsylvania Rubber Company. 189,136; Jan. 22.
Tires, Pneumatic. Victor Rubber Company. 188,727; Jan. 22.
Tires, Pneumatic automobile. Hargreaves, Incorporated. 178,606; Jan. 22.

CLASS 37.

Accounting records and forms. J. H. Wren. 185,684; Jan. 22.
Binders, Loose-leaf sheets for loose-leaf. National Blank Book Co. 187,382; Jan. 22.
Calendars, eyelets, envelopes, writing tablets, Pad. National Stationery Stores, Inc. 170,304; Jan. 22.
Cards, Printed code. Tel-U-Kod Co. 170,451; Jan. 22.
Check covers, pass books, etc. Leather Products & Finishing Co. 177,853; Jan. 22.
Envelopes, tablets, and papeteries. W. H. Hasbrouck. 185,826; Jan. 22.

CLASS 38.

Magazine. Aeronautical Digest Publishing Corporation. 169,431; Jan. 22.

CLASS 39.

Brassières. Boyshform Brassiere Co. 174,652; Jan. 22.
Brassières. Chas. R. De Bevoise Co. 186,355; Jan. 22.
Boots and shoes. Geo. E. Keith Company. 188,154; Jan. 22.
Boots, shoes, slippers, etc. Gladding Dry Goods Co. 187,672; Jan. 22.
Gaiters and leggings. I. Schübel. 184,663; Jan. 22.
Garments and underwear, Sleeping. Fatman-Roberts Co. 186,119; Jan. 22.
Gloves. P. Centemeri & Co. 185,424; Jan. 22.
Gloves, Fabric. Goessling and Ferre, Inc. 186,593; Jan. 22.
Hats, Men's. Capanhat Co. 186,413; Jan. 22.
Hats, Men's. Southern Hat Co. 186,679; Jan. 22.
Hose, Ladies'. Klock, Halbert & Dyson, Inc. 187,222; Jan. 22.
Hose supporters and garters. J. E. Rhodes. 185,348; Jan. 22.
Hosiery. Merrill Hosiery Company. 187,170; Jan. 22.
Hosiery. J. R. Wardlaw. 188,348; Jan. 22.
Leather, leatheroid, etc. E. Whalen. 185,852; Jan. 22.
Overcoats, coats, vests, and trousers. Sonneborn Brothers. 188,446; Jan. 22.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rubber heels. Laing, Harrar & Chamberlin. 187,681; Jan. 22.
Rubber heels. Thomas G. Plant Company. 183,989; Jan. 22.
Rubber heels. Schacht Rubber Mfg. Co. 187,230; Jan. 22.
Rubber heels for shoes. Melville Shoe Corporation. 185,664; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,040; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,091; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,093; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,198; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,203; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,717; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,719–21; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,723–4; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,848; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,850; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,852–3; Jan. 22.
Shirts. Cluett, Peabody & Co. 187,912–3; Jan. 22.
Shirts. S. Eisenstein. 186,701; Jan. 22.
Shirts. Rite-Stix Dry Goods Company. 187,020; Jan. 22.
Shirts and underwear. Cluett, Peabody & Co. 187,851; Jan. 22.
Shirts, Work. Worthy Manufacturing Company. 188,726; Jan. 22.
Shoes. E. Semplimer. 186,677; Jan. 22.
Shoes and hosiery. Blauner's. 187,846; Jan. 22.
Shoes, Children's leather. International Shoe Company. 184,458; Jan. 22.
Shoes, Children's leather. Strawbridge & Clothier. 187,966; Jan. 22.
Shoes, Leather. International Shoe Company. 183,299; Jan. 22.
Shoes, Leather. International Shoe Company. 183,302; Jan. 22.
Shoes, Leather. International Shoe Company. 184,453–4; Jan. 22.
Shoes, Leather. International Shoe Company. 184,461; Jan. 22.
Shoes, Leather. Shirley V. Wright Shoe Company. 178,015; Jan. 22.
Shoes, Leather and fabric. Lansburgh & Bro. 186,138; Jan. 22.
Shoes, Men's and children's leather. International Shoe Company. 184,463; Jan. 22.
Shoes, Men's leather. International Shoe Company. 187,815; Jan. 22.
Shoes, Men's leather. International Shoe Company. 187,817; Jan. 22.
Shoes, Women's leather. International Shoe Company. 187,819; Jan. 22.
Suits, dresses, and underwear, Play. Fatman-Roberts Co. 186,120; Jan. 22.

CLASS 40.

Hair pins, toilet pins, and combs. A. J. Hague & Co. 173,080; Jan. 22.
Pins, hair curlers, snap fasteners, etc. Jarrett Bainsford & Laughton, Limited. 172,111; Jan. 22.
Pins, Safety. Risdon Manufacturing Company. 175,105; Jan. 22.
Sachet and handkerchief bags, and analogous or fancy articles. J. F. Stewart. 187,070; Jan. 22.

CLASS 44.

X-Ray apparatus supplies, materials, and accessories. James Picker Inc. 170,987; Jan. 22.

CLASS 45.

Beverage and sirup used in making the beverage. Richardson Corporation. 187,839; Jan. 22.
Drinks and bottled waters, Soft. Coco-Cola Bottling Company of Atlantic City. 182,961; Jan. 22.
Ginger ale. J. C. Hubbard. 186,060; Jan. 22.
Ginger ale. Standard Beverage Corporation. 188,937; Jan. 22.
Water, ginger ale, soft beverages, Bottled spring. M. I. Chubrilo. 187,794–5; Jan. 22.

CLASS 46.

Alimentary pastes. C. H. Catelli Co. 168,631; Jan. 22.
Apples, Fresh. Edward H. Everett Company. 188,004; Jan. 22.
Bakers' products. National Biscuit Company. 183,582; Jan. 22.
Biscuits. Loose-Wiles Biscuit Company. 189,164; Jan. 22.
Bread and pies. City Baking Company. 187,664; Jan. 22.
Bread. Schulze Baking Company. 189,171; Jan. 22.
Bread. Winfield Baking Co. 188,980; Jan. 22.
Butter or fat, Vegetable. Best Foods, Inc. 186,690; Jan. 22.
Cake mix. Hirsch Brothers Co. 183,293; Jan. 22.
Canned and dehydrated fruits and vegetables. King's Food Products Company. 165,387; Jan. 22.
Canned, dried, and preserved fruits, canned fish, vegetables, and fruit salad. E. A. Archibald, jr. 183,050; Jan. 22.
Canned grapefruit. Santoni Fruit & Packing Corporation. 189,012; Jan. 22.
Canned peas, corn, and beans, and eggs. Eagle Grocery Co. 186,115; Jan. 22.
Canned sardines. A/S Einar Hausvik & Co. 185,856; Jan. 22.
Canned tomatoes and cardoons. Hershel California Fruit Products Co. 188,904; Jan. 22.
Coffee, Green. J. Aron & Company. 180,263; Jan. 22.
Coffees, teas, extracts, canned fruits and vegetables, etc. A. Engelhard & Sons Company. 130,663; Jan. 22.
Dough batch, Dry-powder. Bondex Company. 188,581; Jan. 22.
Flour, Wheat. Collin County Mill & Elevator Co. 185,895; Jan. 22.
Foods, Poultry. D. H. Hammons. 182,801; Jan. 22.
Fruits, Citrous. James Mills Orchards Corporation. 186,919; Jan. 22.
Grapes. Carmelita Fruit Company. 187,605; Jan. 22.
Milk, Evaporated. Nestlé & Anglo-Swiss Condensed Milk Co. 157,626; Jan. 22.
Milk, Powdered form of modified. Brewer & Co. 185,691; Jan. 22.
Oleomargarine, butter, cheese, milk. Louisiana Margarin Company. 185,715; Jan. 22.
Oranges and apples, Fresh. C. Coffman. 165,665; Jan. 22.
Peanuts, sugared and stuffed dates, shelled pecans, Salted. John R. Fiorita Company. 185,011; Jan. 22.
Pie-filling powder. National Food Products Corporation, Inc. 187,476; Jan. 22.
Salad dressing. Charles Gulden, Inc. 187,673; Jan. 22.

CLASS 48.

Beer, Near. Christian Moerlein Brewing Co. 103,221; Jan. 22.

CLASS 50.

Statuary and bric-a-brac. B. W. Stamm. 169,518; Jan. 22.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Agar, Calvin A., West Orange, N. J. Box liner. 1,481,333; Jan. 22.
Agricola, Herman A., jr., assignor of one-fourth to J. E. Lane, and twenty-four per cent to H. Y. Garrett, Atlanta, Ga. Printing-press attachment. 1,481,495; Jan. 22.
Aitchison, Leslie. (See Dyson, W. H., and Aitchison.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Allegheny Steel Company. (See Hostettler, Leigh W., assignor.)
Allen, James L., Memphis, Tenn. Saw set. 1,481,659; Jan. 22.
Allen, Roy O., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Connecting-rod construction. 1,481,334; Jan. 22.
Allen, Thomas J., assignor to The Yeastole Company, Eureka Springs, Ark. Yeast compound and making the same. 1,481,671; Jan. 22.
American Chain Company. (See Hansen, Conrad, assignor.)
American Moistening Company. (See Braemer, W. G. R., and Armstrong, assignors.)
American Multigraph Company, The. (See Chisholm, Clifton, assignor.)
American Speed-O-Feeder Company, The. (See Trundle, George T., jr., assignor.)
American Speed-O-Feeder Company, The. (See Wood, Harry L., assignor.)
American Steam Pump Company. (See Davis, Edwin H., assignor.)
American Telephone and Telegraph Company. (See Deardorff, Ralph W., assignor.)
American Telephone and Telegraph Company. (See Jones, George G., assignor.)
American Wiremold Company. (See Petersen, Anker, assignor.)
Anderson, Pierce B., Brownsville, Tenn. Transit. 1,481,672; Jan. 22.
Anglada, Joseph A., Jenkintown, Pa. Motor mounting and driving connection for motor vehicles. 1,481,405; Jan. 22.
Anninger, Mario, Trieste, Italy. Electricity meter. 1,481,335; Jan. 22.
Anundi, Matt, Clatskanie, Oreg. Electrically-illuminated buoy. 1,481,583; Jan. 22.
Appleton, Wilbur H., assignor to Western Metals Company, Spokane, Wash. Centrifugal amalgamation and precipitation of gold and silver. 1,481,311; Jan. 22.
Armstrong, Joseph. (See Braemer, W. G. R., and Armstrong.)
Armstrong, Philip M., Hackensack, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. 1,481,336; Jan. 22.
Atlantic Gulf & Pacific Company of Manila. (See Nelson, Charles T., assignor.)
Atlas Powder Company. (See Grotta, Bennett, assignor.)
Automatic Electric Company. (See Benson, William A., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Automatic Electric Company. (See Willis, B. D., and Ray, assignors.)
Baille, Jean L., assignor to Societe Baille-Lemaire et Fils, Paris, France. Combined roll-holding and plate camera. 1,481,673; Jan. 22.
Bain, Benjamin F., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Ironing-table structure. 1,481,528; Jan. 22.
Baker, Charles L., St. Joseph, Mo. Steam-regulated exhaust nozzle. 1,481,337; Jan. 22.
Baker, Walter H. (See Norris, D. R., Baker, and Walker.)
Baldwin, Chauncey C., assignor to Standard Underground Cable Company, Perth Amboy, N. J. Annealing furnace. 1,481,338; Jan. 22.
Balson, Adrian C., Philadelphia, Pa. Continuous player for talking machines. 1,481,406; Jan. 22.
Baltz, Philip G., Chicago, Ill., and C. O. Thorne, Watervliet, Mich. Paper. 1,481,529; Jan. 22.
Banta, Len A., Clearfield, Pa. Refrigerator. Des. 63,814; Jan. 22.
Barnes, Frederick J. T., Hamilton, near Brisbane, Queensland, Australia. Hose clip. 1,481,674; Jan. 22.
Barney, Arthur L., assignor to Tiffany & Company, New York, N. Y. Spoon or similar article. Des. 63,815; Jan. 22.
Barr, Wilson, Hamilton, Ontario, Canada. Account file. 1,481,496; Jan. 22.
Barron, Frank W., Montreal, Quebec, Canada. Package. 1,481,339; Jan. 22.
Basnett, Gaylord S. (See Boggess, Lawrence C., assignor.)
Bass, Archie E., Birmingham, Ala. Filtering device. 1,481,407; Jan. 22.
Baxter, Charles A., West Linn, Oreg. Steam-removing means for paper-pulp grinders. 1,481,584; Jan. 22.
Beach, Edward A., Altoona, Pa. Vegetable or fruit strainer. 1,481,600; Jan. 22.
Beard, James R., Benton, England, assignor to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Electric reactive winding. 1,481,585; Jan. 22.
Beck, Charles W., Detroit, Mich. Steering wheel. 1,481,530; Jan. 22.
Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,481,531; Jan. 22.
Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,481,532; Jan. 22.
Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,481,533; Jan. 22.
Beck, Charles W., assignor to Beck-Frost Corporation, Detroit, Mich. Steering wheel. 1,481,534; Jan. 22.
Beck-Frost Corporation. (See Beck, Charles W., assignor.)
Becker, Rudolph, Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ruffling mechanism for sewing machines. 1,481,340; Jan. 22.
Beinecke, Edwin J., New York, N. Y. Hollow building tile. 1,481,249; Jan. 22.
Benson, William A., assignor to Automatic Electric Company, Chicago, Ill. Wire chief's test circuits for telephone systems. 1,481,586; Jan. 22.
Beresford, Kennedy, Meran, Italy. Bath. 1,481,675; Jan. 22.
Bersted, Martin C., Chicago, Ill. Grease Gun Hose Coupling. 1,481,341; Jan. 22.
Bethke, Leo, Milwaukee, Wis., and H. C. Follinger, Chicago, Ill. Can opener. 1,481,546; Jan. 22.
Betz, John, St. Cloud, Minn. Roller washline. 1,481,497; Jan. 22.
Birch, Gustaf B. (See Cameron, J. A., and Birch.)
Birchfield, Robert W., Tacoma, Wash. Making parts of boilers. 1,481,408; Jan. 22.
Bishop, Dealey F., Greenville, Tex. Auto jack. 1,481,676; Jan. 22.
Bivens, Joe P., assignor to Michael and Bivens Incorporated, Gastonia, N. C. Switch mounting for machines having individual motors. 1,481,280; Jan. 22.
Blackford, Ralph E., Middletown, Ohio. Metal keg. 1,481,453; Jan. 22.
Blackwell, Harry A., St. Louis, Mo., and R. M. Watson, Detroit, Mich. Leaf holder for loose-leaf binders. 1,481,342; Jan. 22.
Blashill, Arthur E., Westmount, Quebec, Canada. Shell fuse. 1,481,677; Jan. 22.
Bliss, E. W., Company. (See Strout, Robert W., assignor.)
Boeck, Charles H., Jackson, Mich. Flame spreader. 1,481,587; Jan. 22.
Boesser, George F., Arlington, N. J. Imitation frozen confection and making the same. 1,481,281; Jan. 22.
Boggess, Lawrence C., assignor of one-half to G. S. Basnett, Fairview, W. Va. Under-hood lock for automobiles. 1,481,498; Jan. 22.
Bohn, George J., and F. W. Werner, Milwaukee, Wis. Wrench. 1,481,250; Jan. 22.
Bolton, Edward R., and E. J. Lush, assignors to Technical Research Works, Limited, London, England. Esterification of oils. 1,481,678; Jan. 22.
Bongiovanni, Antonio, Barnesboro, Pa. Fountain brush. 1,481,499; Jan. 22.
Bonsall, Charles D., assignor to P. H. Murphy Company, Parnassus, Pa. Carline bracket. 1,481,343; Jan. 22.
Borgman, August J., Detroit, Mich. Radiator. 1,481,312; Jan. 22.
Bornemann, Theodor, Hanover, Germany. Removing broken tools from bore holes. 1,481,344; Jan. 22.

Bouschor, William E., Seattle, Wash. Locomotive. 1,481,679; Jan. 22.
Bovenizer, H. Lucille, et al. (See Kelly, Lewis E., assignor.)
Bovenizer, Herbert E., et al. (See Kelly, Lewis E., assignor.)
Brabaw, Michael, Pearl Beach, Mich. Weed and stubble clearer for plows. 1,481,454; Jan. 22.
Braemer, William G. R., Cranston, R. I., and J. Armstrong, Malden, Mass., assignors to American Moistening Company. Humidity controller. 1,481,251; Jan. 22.
Brake, George U., Fort Wayne, Ind., assignor to Tokheim Oil Tank and Pump Company. Counter for dispensing pumps. 1,481,773; Jan. 22.
Breeden, William S., Millville, N. J. Bottle. Des. 63,816; Jan. 22.
Breese, Charles P., Dayton, Ohio. Automatic power-transmission drive gear. 1,481,345; Jan. 22.
Bridgeport Brass Company. (See Oakley, Erastus G., assignor.)
Bried, Julien A., Oakland, assignor of one-half to S. L. Rogers, San Francisco, Calif. Washing-machine heater. 1,481,409; Jan. 22.
Brien, Joseph R., assignor of one-half to L. Plamondon, née Hardy, Montreal, Canada. Machine for drying peat. 1,481,410; Jan. 22.
Bright, George B., assignor to Detroit Ice Machine Co., Detroit, Mich. Brine-circulating apparatus for ice machines. 1,481,500; Jan. 22.
Brindel, Clyde, Yorktown, Ind. Incandescent lamp. 1,481,680; Jan. 22.
Britten, Chester K. (See Britten, Marshall R. and C. K.)
Britten, Marshall R. and C. K., Grants Pass, Oreg. Door-check. 1,481,501; Jan. 22.
Brown, Nathanael I. W., et al. (See Williams, Henry J., assignor.)
Bruijnes, Johannes. (See Hoist, G., Oosterhuis, and Bruijnes.)
Bryan, Don C., Huntington Beach, Calif. Motor-vehicle hoist. 1,481,681; Jan. 22.
Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal machine. 1,481,502; Jan. 22.
Buckingham, Benjamin J., Chicago, Ill. Hair net display rack. 1,481,682; Jan. 22.
Bump, John D., Cameron, N. Y. Poultry fountain. 1,481,683; Jan. 22.
Burdett, John B., Glencoe, Ill. Welding torch. 1,481,535; Jan. 22.
Burnett, Alexander S., Reddish, near Stockport, and T. Collins, Levenshulme, England. Embossing and like machine or press. 1,481,536; Jan. 22.
Burnham, George A., Saugus, assignor to S. B. Condit, jr., Brookline, Mass. Electrical distribution system. 1,481,780; Jan. 22.
Burnham, George A., Saugus, assignor to S. B. Condit, Brookline, Mass. High-potential electric switch. 1,481,781; Jan. 22.
Burrows, George W., Houston, Tex. Garbage can. 1,481,685; Jan. 22.
Burt, F. N. Company. (See Carle, Harold, assignor.)
Butterfield, Edwin A. H., Molalla, Oreg. Trap nest. 1,481,684; Jan. 22.
Caldwell, James F., Los Angeles, Calif. Plastic molding machine. 1,481,686; Jan. 22.
Cameron, James A., and C. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Mill-roll stand. 1,481,346; Jan. 22.
Cameron Machine Company. (See Cameron, J. A., and Birch, assignors.)
Cameron, Viola R., New York, N. Y. Fuel-charge-treating device. 1,481,411; Jan. 22.
Cameron, Viola R., New York, N. Y. Fuel-charge-treating device. 1,481,412; Jan. 22.
Cameron, Viola R., New York, N. Y. Fuel-charge-treating device. 1,481,413; Jan. 22.
Canadian Electro Products Company Limited. (See Matheson, Howard W., assignor.)
Carbone, Tito L., Zurich, Switzerland. Change-speed gear. 1,481,687; Jan. 22.
Carle, Harold, Buffalo, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Ontario, Canada. Machine for making boxes. 1,481,347; Jan. 22.
Carnahan, John W., Blackwell, Okla. Glass-delivering apparatus. 1,481,688; Jan. 22.
Carney, George A., Boston, Mass. Vehicle lock. 1,481,537; Jan. 22.
Carswell, Joseph S., and A. R. Hammond, Boone, Iowa. Repair stand for motors. 1,481,503; Jan. 22.
Cary Manufacturing Co. (See Cary, Spencer C., assignor.)
Cary, Spencer C., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Binder connection. 1,481,414; Jan. 22.
Casablancas, Fernando, Sabadell, Spain. Drawing mechanism for textile rovings. 1,481,689; Jan. 22.
Casad, Edgar G., Oakland, Calif. Metal separator. 1,481,661; Jan. 22.
Casper, Albert, Vallejo, Calif. Meter box. 1,481,415; Jan. 22.
Causse, André M., Paris, France. Vehicle wheel. 1,481,690; Jan. 22.
Chapman-Stein Furnace Company. (See Chapman, William B., assignor.)
Chapman, William B., New York, N. Y., assignor to Chapman-Stein Furnace Company, Mount Vernon, Ohio. Recuperator. 1,481,348; Jan. 22.
Cheney Talking Machine Company. (See Roedding, Gordon E., assignor.)
Chew, Lenig, and W. F. Jennings, London, England. Compression pump. 1,481,691; Jan. 22.
Chicago Railway Equipment Company. (See De Long, F. T., and Hawkins, assignors.)
Chisholm, Clifton, assignor to The American Multigraph Company, Cleveland, Ohio. Paper-feeding mechanism. 1,481,349; Jan. 22.
Chisholm, Frank K., Goulburn, New South Wales, Australia. Tennis-court and other line marker. 1,481,504; Jan. 22.
Chisholm-Scott Company. (See Christel, William F., assignor.)
Christel, William F., Valdera, Wis., assignor to Chisholm-Scott Company, Columbus, Ohio. Green-pea viner. 1,481,455; Jan. 22.
Christman, Peter J., jr., and J. Deloye, assignors to Paper Converting Machine Company, Green Bay, Wis. Sheet-folding machine. 1,481,252; Jan. 22.
Chubbuck, Herbert M., Duluth, Minn. Combination comb and brush. 1,481,588; Jan. 22.
Cloetens, Georges, St. Gilis, near Brussels, Belgium. Reed organ. 1,481,350; Jan. 22.
Cochran, Clyde E., Cleveland, Ohio. Industrial truck. 1,481,351; Jan. 22.
Cohen, Joseph L., New York, N. Y. Vehicle wheel. 1,481,253; Jan. 22.
Cole, John J., Orange, N. J. Weighing machine. 1,481,282; Jan. 22.
Cole, Selmon G., and O. D. Ginther, San Diego, Calif. Piston ring. 1,481,774; Jan. 22.
Collins, Samuel, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,481,352; Jan. 22.
Collins, Thomas. (See Burnett, A. S., and Collins.)
Columbia Graphophone Manufacturing Company. (See Roberts, Theodore C., assignor.)
Combs, Albert B. (See Smith, Earl G., assignor.)
Commonwealth Brass Corporation. (See Kellum, Charles S., assignor.)
Computing-Tabulating-Recording Co. (See Watson, Thomas J., assignor.)
Conant, George W. (See Conant, Leon B., assignor.)
Conant, Leon B., Cambridge, assignor to G. W. Conant, Bridgewater, Mass. Producing heels. 1,481,254; Jan. 22.
Condit, Sears B. (See Burnham, George A., assignor.)
Continental Caoutchouc- und Gutta-Percha-Compagnie. (See Ihlau, Otto, assignor.)
Cook, Claude H., H. J. Lewis, and C. E. Lewis, Cleveland, Ohio. Electric stove. 1,481,692; Jan. 22.
Cookson, Thomas J., assignor to Ohio Blower Company, Cleveland, Ohio. Steam trap. 1,481,662; Jan. 22.
Cooper, Ovid O., Chicago, Ill. Coal-saving composition. 1,481,456; Jan. 22.
Cornell, Arthur M., assignor to Pettibone, Mulliken Company, Chicago, Ill. Switch stand. 1,481,589; Jan. 22.
Cory, Chas., & Son, Incorporated. (See Wood, Frank W., assignor.)
Coughlin, James P., Kansas City, Mo. Calculating device. 1,481,590; Jan. 22.
Coulombe, Joseph C., Kokomo, Ind. Fuel-feeding device. Re15,749; Jan. 22.
Councilman, Halstead P., Asheville, N. C., assignor to Secretary of War of the United States of America, trustee. Impact-firing mechanism. 1,481,635; Jan. 22.
Cove, James R., Arlington Heights, assignor to Lever Brothers Company, Cambridge, Mass. Method of and apparatus for cutting soap and the like. 1,481,416; Jan. 22.
Cove, James R., Arlington Heights, assignor to Lever Brothers Company, Cambridge, Mass. Apparatus for producing curled flaked soap. 1,481,417; Jan. 22.
Crass, Maurice F., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Porous stopper and making same. 1,481,505; Jan. 22.
Craswell, Claude C., assignor to Standard Oil Company, Whiting, Ind. Candle base. 1,481,591; Jan. 22.
Creech, George W., Twila, Ky. Trolley-wire guard. 1,481,693; Jan. 22.
Creveling, Agnes, et al. (See Creveling, William C., assignor.)
Creveling, John L., White Plains, N. Y., assignor to Gould Coupler Company. Electric regulation. 1,481,506; Jan. 22.
Creveling, William C., Los Angeles, assignor of one-third to W. W. Finn, San Diego, Calif., one-third to J. O. Talbott, Denver, Colo., and one-sixth to A. Creveling, Los Angeles, Calif. Animal racing track. 1,481,313; Jan. 22.
Crocker-Wheeler Company. (See Wheeler, Schuyler S., assignor.)
Crooke, Leonard, Hagerstown, Md. Dumping truck. 1,481,538; Jan. 22.
Crossman, Robert W., and L. Maschek, assignors to Visible Manufacturing Co., Texolo, Okla. Replanter. 1,481,457; Jan. 22.
Crowell, Frank S., Toledo, Ohio. Chandelier for lighting fixture. Des. 63,817; Jan. 22.

Cullen, Ernest E., assignor of one-half to C. H. Murdick, New Baltimore, Mich. Detachable plow point. 1,481,458; Jan. 22.
Cumfer, Harry A., Chicago, Ill. Transporting conduit for viscous substances and making same. 1,481,255; Jan. 22.
Cunningham, Elmer T. (See Danielson, Ernest G., assignor.)
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Electric grill. Des. 63,818; Jan. 22.
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Electric grill. Des. 63,819; Jan. 22.
Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Electric grill. Des. 63,820; Jan. 22.
Cutler-Hammer Mfg. Co., The. (See Hunter, Richard B., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lane, Gilbert E., assignor.)
Daniel, Earle H., Springfield, Ohio, assignor, by mesne assignments, to R. W. Johnston. Tractor power lift. 1,481,283; Jan. 22.
Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Variocoupler. 1,481,694; Jan. 22.
Dansiger, Herman, New York, N. Y. Inhaler and neuralgic pencil. 1,481,353; Jan. 22.
Darby, Alonzo E., Lakeside, Wash. Sling for containers. 1,481,418; Jan. 22.
Davies Fuel Burners Limited. (See Davies, John, assignor.)
Davies, John, Darlington, England, assignor to The Davies Fuel Burners Limited, Stockton-on-Tees, Durham, England. Oil-fuel burner for use in furnaces, boilers, and the like. 1,481,419; Jan. 22.
Davis, Edwin H., assignor to American Steam Pump Company, Battle Creek, Mich. Valve. 1,481,663; Jan. 22.
Day, J. H., Company, The. (See Kirchoff, William G., assignor.)
Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)
Dearlorff, Ralph W., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Means for and method of amplitude selection. 1,481,284; Jan. 22.
De-Felice, Carlo, New York, N. Y., assignor to H. N. McMenimen, Scotch Plains, N. J. Apparatus for and process of making artificial fruits. 1,481,314; Jan. 22.
Deiches, Sigmund, Chicago, Ill. Necktie. 1,481,539; Jan. 22.
De Long, Frederic T., Chicago, Ill., and A. W. Hawkins, Muskegon, Mich., assignors to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam support. 1,481,540; Jan. 22.
Deloye, James. (See Christman, P. J., jr., and Deloye.)
Detert, Richard H., Jersey City, N. J., assignor to The Chr. Zimmermann & Son Co., New York, N. Y. Sweater. 1,481,636; Jan. 22.
Detroit Ice Machine Co. (See Bright, George B., assignor.)
Dicki..., George A., Seattle, Wash. Gang-saw mill. 1,481,459; Jan. 22.
Dickinson, Aaron C., Fraser Mills, British Columbia, Canada. Headblock for saw carriages. 1,481,664; Jan. 22.
Dingfeld, Oscar, Brooklyn, N. Y. Headgear for relieving headaches. 1,481,354; Jan. 22.
Doble Laboratories. (See Doble, Jesse W., assignor.)
Dodge Brothers. (See Huff, Russell, assignor.)
Doble, Jesse W., assignor to Doble Laboratories, San Francisco, Calif. Steam-power-plant control. 1,481,460; Jan. 22.
Dols, Theodore, Hopkins, Minn. Magnetic toy. 1,481,256; Jan. 22.
Dompier, Joseph, Toledo, Ohio. Garbage can. 1,481,355; Jan. 22.
Dootson, Thomas, Everett, Wash. Demountable rim. 1,481,695; Jan. 22.
Douglas, Maragret E. R., London, England. Traveling headdress. 1,481,541; Jan. 22.
Dozier, Beulah L., Eagle Pass, Tex. Collapsible box. 1,481,592; Jan. 22.
Drake, Rollin L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Can-making machine. 1,481,356; Jan. 22.
Dunsieth, George, jr., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Apparatus for unloading conveyer. 1,481,542; Jan. 22.
Dupper, Michael A. (See Kilshaw, John, assignor.)
Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)
Durrett, Dawson W., Clarksville, Tenn. Separation of garlic from wheat. 1,481,696; Jan. 22.
Dwight & Lloyd Metallurgical Company. (See Dwight, Arthur S., assignor.)
Dwight, Arthur S., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y. Treatment of ores. 1,481,357; Jan. 22.
Dwyer, Joseph, Montclair, N. J. Compressor. 1,481,358; Jan. 22.
Dye, Charles T., La Fayette, Ind. Liquid-dispensing can. 1,481,359; Jan. 22.
Dyson, William H., Normandy, near Guildford, and L. Aitchison, Birmingham, England. Concentration of metallic values of ores, metalliferous residues, and the like. 1,481,697; Jan. 22.
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Robertson, J. A., and Tierney, assignors.)
Eberhardt, Walter, assignor to The Herschede Hall Clock Company, Cincinnati, Ohio. Timing and regulating device for chimes. 1,481,315; Jan. 22.
Edmands, Walter S., Boston, Mass. Hinge. 1,481,257; Jan. 22.
Edwards, Joseph S., Los Angeles, Calif. Foot-sole protector. 1,481,608; Jan. 22.
Einstein, Howard C., Cleveland, Ohio. Selector mechanism. 1,481,507; Jan. 22.
Eke, John, Philadelphia, Pa. Convertible vehicle body construction. 1,481,543; Jan. 22.
Electrical Improvements Limited. (See Beard, James R., assignor.)
Elkins, Joseph, Blytheville, Ark. Lubricator. 1,481,544; Jan. 22.
Elliott, William J., Brooklyn, N. Y. Water heater for stoves. 1,481,665; Jan. 22.
Ellis, Joseph B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radiant electric air heater. Des. 63,821; Jan. 22.
Elsey, Warren. (See Pearsall, L. T., and Elsey.)
Emerson, Victor H., New York, N. Y., assignor, by mesne assignments, to Metal Recording Disc Company, Inc. Phonogram blank. 1,481,461; Jan. 22.
Enna, Ernst F. H., Copenhagen, Denmark. Eyelet-setting machine. 1,481,545; Jan. 22.
Evans, Reuben N., Dell Rapids, S. Dak. Fender. 1,481,609; Jan. 22.
Ever Ready Auto Signal Co., Inc. (See Trinca, F., and Wolf, assignors.)
Fatland, Severt M., Charleston, Wash. Dispensing ice cream. 1,481,700; Jan. 22.
Fecht, John B., Rockwell City, Iowa. Piston ring. 1,481,701; Jan. 22.
Feinberg, Arthur, New York, N. Y. Stress-breaking dental attachment. 1,481,637; Jan. 22.
Fenton, Alexander, Surrey, England. Combined heel and sole. Des. 63,822; Jan. 22.
Fibre Corporation, The, et al. (See Michot, Georges, assignor.)
Fickert, Gustav R., Hoboken, N. J. Belt calculator. 1,481,702; Jan. 22.
Fieux, Jean, Paris, France. Clutch. 1,481,593; Jan. 22.
Finkenaur, William M., New York, N. Y. Casing for a radio receiving set. Des. 63,823; Jan. 22.
Finn, William W., et al. (See Creveling, William C., assignor.)
Fitzgerald, Alfred H., San Mateo, Calif. Punching bag. 1,481,594; Jan. 22.
Flanders, John A., Tampa, Fla. Piston-ring-filing device. 1,481,595; Jan. 22.
Fletcher, George H., and F. L. Morgan, Hoquiam, Wash. Figure wheeled toy. 1,481,596; Jan. 22.
Flintkote Company, The. (See Overbury, Frederick C., assignor.)
Follinger, Herbert C. (See Bethke, L., and Follinger.)
Forbes, Harry C., and P. E. Sherrill, Chicago, Ill. Sign. 1,481,703; Jan. 22.
Forbush, Daniel B. (See Harris, Chester A., assignor.)
Forsman, Stanton W., Los Angeles, Calif., assignor to The Paraffine Companies, Inc. Barrel construction. 1,481,462; Jan. 22.
Forster, Andrew, Cowes, assignor to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England. Liquid-fuel sprayer. 1,481,597; Jan. 22.
Foster, Theodore W., & Bro. Co. (See Wilson, Ralph W., assignor.)
Francis, Joseph P., Oklahoma City, Okla. Yieldable gate. 1,481,666; Jan. 22.
Franeklin, Mary B., Redwood City, Calif. Decorative art. 1,481,420; Jan. 22.
Gardiner, Edwin S., New Orleans, La. Apparatus for making drip coffee. 1,481,258; Jan. 22.
Garrett, H. Y., et al. (See Agricola, Herman A., jr., assignor.)
Garrette, John E., Cincinnati, Ohio, assignor of one-half to G. M. Luce, Chicago, Ill. Vegetable-peeling machine. 1,481,547; Jan. 22.
Garrison, George H., Bridgeport, Conn. Action lock for firearms. 1,481,638; Jan. 22.
Gatti, Ignazio, New York, N. Y. Jewel setting tool. 1,481,598; Jan. 22.
Gaughan, Jack, Long Beach, Calif. Stove. 1,481,599; Jan. 22.
Geist Manufacturing Company. (See Wiederwax, Robert W., assignor.)
Genest, Alexander H., Cheshire, Conn. Automatic garage-door operator. 1,481,600; Jan. 22.
Gerber, David, assignor to Maryland Baking Company, Baltimore, Md. Ice-cream cone. Des. 63,825; Jan. 22.
Geringer, Isidor. (See Geringer, Moris and I.)
Geringer, Moris and I., New York, N. Y. Fixture arm. Des. 63,826; Jan. 22.
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)

Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy vehicle. 1,481,704; Jan. 22.
Gimeno, Manuel G., Bayonne, N. J. Bearing. 1,481,705; Jan. 22.
Ginther, Ora D. (See Cole, S. G., and Ginther.)
Glauber, Morris H. (See Glauber, Myron J., assignor.)
Glauber, Myron J., assignor to M. H. Glauber, Cleveland, Ohio. Drinking fountain. 1,481,360; Jan. 22.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Centering and securing means for electric candles. 1,481,463; Jan. 22.
Goldman, Sigmund L., and H. G. Tucker, Chicago, Ill., said Tucker assignor to said Goldman. Dishwashing machine. 1,481,601; Jan. 22.
Gongaware, William F., Ocean Park, Calif. Safety windshield curtain. 1,481,548; Jan. 22.
Goodman Manufacturing Company. (See Gray, Walter S., assignor.)
Goodwin, Adam M., Wilkinsburg, Pa. Reversing mechanism. 1,481,706; Jan. 22.
Gottlieb, Joseph, Brooklyn, N. Y. Means for setting nonbreakable watch crystals. 1,481,667; Jan. 22.
Goughler, Charles. (See Wentling, Lester M., assignor.)
Goughler, Charles L., et al. (See Wentling, Lester M., assignor.)
Gould Coupler Company. (See Creveling, John L., assignor.)
Gould, Howard W. (See McKinnis, David W., assignor.)
Gresselli Chemical Company, The. (See Crass, Maurice F., assignor.)
Gray, Fred. (See Ohmer, J. F., jr., and Gray.)
Gray, Walter S., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive. 1,481,316; Jan. 22.
Green, Gustavus, Twickenham Green, England. Hull or body construction of ships, aircraft, and motor road vehicles. 1,481,707; Jan. 22.
Greene, Frederick J., Racine, Wis. Automatic riveting machine. 1,481,449; Jan. 22.
Greimann Ditcher Company. (See Greimann, George H., assignor.)
Greimann, George H., assignor to Greimann Ditcher Company, Garner, Iowa. Excavator. 1,481,602; Jan. 22.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Tire tread. Des. 63,827; Jan. 22.
Grotta, Bennett, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Secondary charge for compound detonators. 1,481,361; Jan. 22.
Grow, Andrew W., Indianapolis, Ind. Means for tying bundles. 1,481,464; Jan. 22.
Guelbaum, David, Syracuse, N. Y. Universal pneumatic weighing scale. 1,481,362; Jan. 22.
Guerra, Alfonso, Laredo, Tex. Film-winding reel. 1,481,708; Jan. 22.
Güttner, Max, Schmolln, Germany. Supporting of the piston in rotary engines. 1,481,603; Jan. 22.
Hall, Allen E., Philadelphia, Pa., assignor, by mesne assignments, to Hall Wheel Corporation. Washing machine. 1,481,550; Jan. 22.
Hall, Harold G., Yonkers, N. Y. Advertising device for vehicle wheels. 1,481,363; Jan. 22.
Hall Wheel Corporation. (See Hall, Allen E., assignor.)
Hall Wheel Corporation. (See Witter, Claude A., assignor.)
Halverson, Miner G., Whitewater, Wis. Lawn trimmer. 1,481,465; Jan. 22.
Hammond, Amil R. (See Carswell, J. S., and Hammond.)
Hammond, Theodore A. (See Hammond, William P. and T. A.)
Hammond, William P., Passaic, and T. A. Hammond, Rutherford, N. J. Pressure gauge. 1,481,551; Jan. 22.
Haney, Lewis H., assignor to Standard Deep Well Pump Co., Inc., Los Angeles, Calif. Pump. 1,481,552; Jan. 22.
Hansen, Conrad, San Francisco, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Automobile bumper. 1,481,364; Jan. 22.
Hanson, Charles W., Fall City, Wash. Quick-acting bolt clamp. 1,481,553; Jan. 22.
Harding, Henry O. B., assignor to Washburn-Crosby Company, Minneapolis, Minn. Automatic controlling mechanism for flour-packing machines. 1,481,421; Jan. 22.
Harrington, C. E., et al. (See Wentling, Lester M., assignor.)
Harris, Chester A., North Evans, assignor to D. B. Forbush, Gowanda, N. Y. Roofing-cement spreader. 1,481,508; Jan. 22.
Harris, Henry, London, England. Refining lead. Des. 15,750; Jan. 22.
Harris, Henry, London, England. Desincing lead. Des. 15,751; Jan. 22.
Harrison, James E., Ardmore, Okla. Fishing tool. 1,481,259; Jan. 22.
Hartman, William H., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif. Elevator-door-control system. 1,481,466; Jan. 22.
Harvey, Arthur H., Dunbar, Pa. Automobile radiator cap. 1,481,285; Jan. 22.
Harvey, Leaman E., Waterbury, Conn. Combination pencil sharpener and pocket clip. 1,481,604; Jan. 22.
Hauf, George F., Chicago, Ill., assignor to Robertson Brothers Manufacturing Company. Pipe. 1,481,709; Jan. 22.
Hawkins, Arthur W. (See De Long, F. T., and Hawkins.)
Hayes, Joseph J., Elkhart, Ind. Toy game. 1,481,605; Jan. 22.
Hayward Company, The. (See Armstrong, Philip M., assignor.)
Heany, John A., New York, N. Y., assignor to Heany Laboratories, Inc., New Haven, Conn. Electric-arc lamp. 1,481,554; Jan. 22.
Heany Laboratories, Inc. (See Heany, John A., assignor.)
Heck, Augustus, Cambridge, Mass. Apparatus for cutting and beading rivets. 1,481,710; Jan. 22.
Hegel, William, Robbinsville, N. J. Drinking device for poultry. 1,481,365; Jan. 22.
Heimerdinger, Leo H., Oak Lane, Pa., assignor to Pioneer Suspender Company, Garter. 1,481,639; Jan. 22.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-control system for induction motors. 1,481,317; Jan. 22.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system for induction motors. 1,481,318; Jan. 22.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor control. 1,481,319; Jan. 22.
Helm, Max, Niederschonhausen, near Berlin, Germany. Lever bearing and making same. 1,481,286; Jan. 22.
Hemenway, George, Fitchburg, Mass. Apparatus for positioning and grinding twist drills. 1,481,260; Jan. 22.
Herkenrath, Francisco, Santiago, Chile. Grate bar to burn pulverized coal. 1,481,366; Jan. 22.
Herr, Henry A., Chicago, Ill. Preparing printing plates. 1,481,367; Jan. 22.
Herschede Hall Clock Company, The. (See Eberhardt, Walter, assignor.)
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel pump for internal-combustion engines. 1,481,606; Jan. 22.
Hexagon Specialty Manufacturing Company. (See Kirsch, Raymond R., assignor.)
Hill, Myron F., New York, N. Y. Straight-line hull. 1,481,261; Jan. 22.
Hiscocks, Claude W., Holborn, London, England. Apparatus for the display of pictures, advertisements, or the like. 1,481,607; Jan. 22.
Hockin, Walter, Jackson, Mich. Indicator. 1,481,467; Jan. 22.
Hodge, Arthur J., Lomita, assignor to Union Tool Company, Torrance, Calif. Table bushing. 1,481,509; Jan. 22.
Hoelka, William F., Sacramento, Calif. Airplane construction. 1,481,555; Jan. 22.
Holst, Gilles, E. Oosterhuis, and J. Bruijnes, assignors to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric discharge tube. 1,481,422; Jan. 22.
Holtland, Gerrit, Enschede, Netherlands. Counting money, tokens, or the like of the same size. 1,481,711; Jan. 22.
Hope Foundry and Machine Co. (See Hope, William H., assignor.)
Hope, William H., Newark, N. J., assignor to Hope Foundry and Machine Co. Electric circuit-closing device. 1,481,368; Jan. 22.
Hostettler, Leigh W., Tarentum, assignor to Allegheny Steel Company, Brackenridge, Pa. Journal-box cover. 1,481,510; Jan. 22.
Hottenroth, Adolph C., Freeport, N. Y. Electrical cooking and heating means. 1,481,369; Jan. 22.
Howard, Lawrence R., Chandler, Ariz. Wick. 1,481,608; Jan. 22.
Huckins, Frank P., Newton, Mass. Ship-unloading apparatus. 1,481,712; Jan. 22.
Huff, Russell, assignor to Dodge Brothers, Detroit, Mich. Wheel construction. 1,481,370; Jan. 22.
Hughes, Robert R., jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Concealed stitched collaret for undergarments. 1,481,371; Jan. 22.
Hull, Charles, Tigerton, Wis. Trailer attachment for tractors. 1,481,262; Jan. 22.
Huismann, Anton, San Francisco, Calif. Games. 1,481,713; Jan. 22.
Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical controller. 1,481,372; Jan. 22.
Huns, Alphonse W., Cornell, Wis. Power transmission for vehicles. 1,481,423; Jan. 22.
Huppert, Joseph J., New York, N. Y. Reversible bookcase. 1,481,640; Jan. 22.
Hydromotor Company. (See Purcell, William F., assignor.)
Ihlau, Otto, assignor to Continental Caoutchouc-und Gutta-Percha-Compagnie, Hanover, Germany. Nonskid tire. 1,481,668; Jan. 22.
Ingersoll-Rand Company. (See Allen, Roy O., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
International Coal Products Corporation. (See McIntire, Charles V., assignor.)
International Coal Products Corporation. (See Smith, Charles H., assignor.)
International Silver Co. (See Mowry, William F., assignor.)

Iytaka, Ityro, Sugamoachi, Japan. Alloy for turbine blades. 1,481,782; Jan. 22.
Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing alkali-metal cyanides. 1,481,373; Jan. 22.
Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkali-metal cyanides. 1,481,374; Jan. 22.
Jarmin, James B., Spokane, Wash. Road machine. 1,481,287; Jan. 22.
Jamison, Andrew M., Spartanburg, S. C. Cigar press. 1,481,714; Jan. 22.
Jenkins, Charles F., Washington, D. C. High-speed camera. 1,481,288; Jan. 22.
Jenkins, Charles B., Morgantown, W. Va. Trolley switch. 1,481,715; Jan. 22.
Jennings, William P. (See Chew, L., and Jennings.)
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tie-tamper front-end construction. 1,481,641; Jan. 22.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Combination riveter. 1,481,642; Jan. 22.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussive-tool front-end construction. 1,481,643; Jan. 22.
Johnston, Leonard, Springfield, Mass., assignor to Springfield Bronze Company, Inc. Molding apparatus. 1,481,320; Jan. 22.
Johnston, R. W. (See Daniel, Earle H., assignor.)
Jones, George G., Cambridge, Mass., assignor to American Telephone and Telegraph Company. Electrolysis mitigation. 1,481,289; Jan. 22.
Jones, Ralph, et al. (See Wentling, Lester M., assignor.)
Joyce, Bryan P., Davenport, Iowa. Safety device for high-angle guns. 1,481,263; Jan. 22.
Joyce Bryan P., Davenport, Iowa. Cradle lock for gun carriages. 1,481,644; Jan. 22.
Judd, H. L., Company. (See Taylor, Thomas F., assignor.)
Junkers, Hugo, Dessau, Germany. Riveting device. 1,481,290; Jan. 22.
Justice, William N., Baltimore, Md. Adjusting device applicable to dial-controlled instruments for wireless telegraphy and telephony. 1,481,669; Jan. 22.
Juth, Franz E., San Francisco, Calif. Adjustable tree pedestal. 1,481,468; Jan. 22.
Kahns, Walter R., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 63,828; Jan. 22.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electric telecontrol arrangement for power device. 1,481,645; Jan. 22.
Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Machine & Tool Co., Inc., New York, N. Y. Vanity box. 1,481,511; Jan. 22.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine. 1,481,321; Jan. 22.
Kaufert, William, Wisconsin Rapids, Wis. Foldable shelf. 1,481,264; Jan. 22.
Kehoe, Thomas J., assignor to The Willys-Overland Company, Toledo, Ohio. Heat-exchange device. 1,481,291; Jan. 22.
Kehoe, Thomas J., assignor to The Willys-Overland Company, Toledo, Ohio. Door-gripping device. 1,481,292; Jan. 22.
Keller, Karl, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 63,829; Jan. 22.
Kellum, Charles S., Detroit, Mich. Gauge. 1,481,322; Jan. 22.
Kellum, Charles S., assignor to Commonwealth Brass Corporation, Detroit, Mich. Valve handle. 1,481,323; Jan. 22.
Kelly, George C., Kalamazoo, Mich. Boat propeller. 1,481,512; Jan. 22.
Kelly, Joseph F., assignor of one-half to Harry J. Martin, Fort Dodge, Iowa. Comb. 1,481,646; Jan. 22.
Kelly, Lewis E., assignor to H. E. Boveniser and H. L. Boveniser, Oakland, Calif. Making water-color prints. 1,481,647; Jan. 22.
Kent, Clyde M., and J. W. Ross, Jackson, Ohio. Lawn rake. 1,481,375; Jan. 22.
Ketchum, Harry R., assignor of one-third to J. W. Pinch, Tipler, Wis. Combined clinometer, plumb, and level. 1,481,716; Jan. 22.
Kiefer, Karl, Cincinnati, Ohio. Filling machine. 1,481,513; Jan. 22.
Klewics, John, assignor to The Reece Button-Hole Machine Company, Boston, Mass. Sewing machine. 1,481,514; Jan. 22.
Kilshaw, John, assignor of three-fourths to M. A. Dupper, Brooklyn, N. Y. Mixer or emulsifying machine. 1,481,265; Jan. 22.
King, Allen J., Grand Saline, Tex. Wire stretcher. 1,481,424; Jan. 22.
Kirchhoff, William G., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough mixer. 1,481,556; Jan. 22.
Kirsch, Raymond R., assignor to Hexagon Specialty Manufacturing Company, St. Louis, Mo. Combined fan and air-pump mechanism. 1,481,425; Jan. 22.
Klein, John H., Denver, Colo. Trailer traction hitch. 1,481,376; Jan. 22.
Klingbeil, Gottlieb L. E., Omaha, Nebr. Spring spreader for vehicle springs. 1,481,609; Jan. 22.
Koperski, Frank, assignor of one-half to J. A. Pacynski, Bay City, Mich. Finishing wood. 1,481,610; Jan. 22.
Kraft, Henry P., Ridgewood, N. J. Washer. 1,481,515; Jan. 22.
Kraft, Henry P., Ridgewood, N. J. Pump coupling. 1,481,516; Jan. 22.
Krammer, Henry E., New York, N. Y. Battle pane. 1,481,469; Jan. 22.
Kuehner, Arthur T., Elkridge, Md. Locomotive driving box. 1,481,611; Jan. 22.
Kurz, William D., Appleton, Wis. Fuse puller and replacer. 1,481,517; Jan. 22.
Lack, Frederick R., Pekin, China, and P. B. Murphy, Nyack, assignors to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,481,324; Jan. 22.
Laber, Frank T., Akron, Ohio. Collapsible box and crate. 1,481,717; Jan. 22.
Laird, William W. (See Rosenfield, William W.)
La Londe, William S., Evanston, Ill. Electric liquid-level indicator. 1,481,470; Jan. 22.
La Londe, William S., Evanston, Ill. Electric signal trouble indicator for automobiles. 1,481,471; Jan. 22.
Lamme, Raymond B. (See Russell, E. F., and Lamme.)
Lamphier, Wilbur C., New York, N. Y. Photographic-printing machine. 1,481,472; Jan. 22.
Landers, Frary & Clark. (See Curtiss, George E., assignor.)
Lane, Joseph E., et al. (See Agricola, Herman A., jr., assignor.)
Larson, Erick J., Moline, Ill. Concrete-brick mold. 1,481,473; Jan. 22.
Laue, Gilbert E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Low-voltage protective circuit controller. 1,481,377; Jan. 22.
Le Bus, George F., Electra, Tex. Slip. 1,481,378; Jan. 22.
Legnani, Angelo, Turin, Italy. Photographic camera. 1,481,718; Jan. 22.
Le Gris, Horace, New York, N. Y. Moistener for cigars and tobacco. 1,481,325; Jan. 22.
Leidecker, John F., Alameda, Calif. Detachable button. 1,481,474; Jan. 22.
Lennard, Frank McL., Darlingburst, near Sydney, New South Wales, Australia. Automatically-rotating transparency-displaying lantern. 1,481,518; Jan. 22.
Lennon, Thomas F., Crosby, Tex. Attachment for rakes. 1,481,379; Jan. 22.
Levens Motor Company, The. (See Levens, Roscoe F., assignor.)
Levens, Roscoe F., Portsmouth, R. I., assignor to The Levens Motor Company, Incorporated. Internal-combustion engine. 1,481,266; Jan. 22.
Lever Brothers Company. (See Cove, James R., assignor.)
Levin, Isaac H., New York, N. Y. Electrode. 1,481,648; Jan. 22.
Lewis, Charles E. (See Cook, C. H., and Lewis.)
Lewis, Harry J. (See Cook, C. H., and Lewis.)
Lindberg, Emil I., Gackle, N. Dak. Permutation padlock. 1,481,380; Jan. 22.
Link Belt Company. (See Nafziger, Henry T., assignor.)
Little, John W., jr., Pawtucket, R. I. End label for cloth bolts. 1,481,293; Jan. 22.
Ljungström, Fredrik, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Toothed gearing. 1,481,720; Jan. 22.
Lucas, William G., Orbisonia, Pa. Railway construction. 1,481,612; Jan. 22.
Luce, George M. (See Garrette, John E., assignor.)
Luellen, Lawrence W., Mountain Lakes, N. J. Sight for firearms. 1,481,294; Jan. 22.
Lui, Sik K., Honolulu, Hawaii. Lamp globe. 1,481,719; Jan. 22.
Lusby, James W. (See Polhamus, E. D., and Lusby.)
Lush, Ernest J. (See Bolton, E. R., and Lush.)
Lutz, Hans, assignor to The Willys-Morrow Company, Elmira, N. Y. Gauging machine. 1,481,295; Jan. 22.
McBee Binder Company, The. (See McBee, Charles F., assignor.)
McBee, Charles F., assignor to The McBee Binder Company, Athens, Ohio. Back measuring and shaping device for bookbinding machines. 1,481,296; Jan. 22.
McClellan, Samuel A., Akron, Ohio. Mold-finishing machine. 1,481,381; Jan. 22.
McEntire, Fred W., Spreckles, Calif. Centrifugal separator. 1,481,426; Jan. 22.
McIntire, Charles V., East Orange, N. J., assignor to International Coal Products Corporation, Bristol, Va. Treating of coal and manufacture of briquettes. 1,481,427; Jan. 22.
McIntire, Charles V., East Orange, N. J., assignor to International Coal Products Corporation, Richmond, Va. Furnace retort. 1,481,428; Jan. 22.
McKellar, Alexander, Greenock, Scotland. Finger-ring guard. 1,481,297; Jan. 22.
McKinnis, David W., assignor of one-half to H. W. Gould, Des Moines, Iowa. Window lock. 1,481,775; Jan. 22.

McMenimen, H. N. (See De Felice, Carlo, assignor.)
Macdonald, Murdock, Cleveland, Ohio. Autographic register. 1,481,519; Jan. 22.
Macnair, Robert J., Providence, R. I. Spring structure. 1,481,298; Jan. 22.
Majestic Machine & Tool Co. (See Kasdan, N., and Pollack, assignors.)
Maki, Walter, Detroit, Mich. Sled. 1,481,520; Jan. 22.
MacAllister, James A., and E. F. Stockum, Ashland, Wis. Shingle. 1,481,670; Jan. 22.
Mackey, Charles T., Chicago, Ill. Chart for drafting garments. 1,481,613; Jan. 22.
Malcom, Robert, Chicago, Ill. Goggles. 1,481,475; Jan. 22.
Marsh, Willard E., Memphis, Tenn. Folding stool and chair. 1,481,521; Jan. 22.
Marshall Sons and Company et al. (See Michot, Georges, assignor.)
Martin Automatic Fishing Reel Co. (See Maury, Alfred D., assignor.)
Martin, Harry J. (See Kelly, Joseph F., assignor.)
Martin, Horace E., Athens, Ga. Stake socket. 1,481,721; Jan. 22.
Martin, Ida K., Minneapolis, Minn., assignor to National Woman's Relief Corps, Decatur, Ill. Flag stand. Des. 63,830; Jan. 22.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,481,614; Jan. 22.
Martin, William J., assignor to The Willys-Overland Company, Toledo, Ohio. Safety device. 1,481,299; Jan. 22.
Marvelium Company, The. (See Senseney, George E., assignor.)
Maryland Baking Company. (See Gerber, David, assignor.)
Maschke, Louis. (See Crossman, R. W., and Maschek.)
Mathews, Clarence H. (See Parker, Edward H., assignor.)
Matheson, Howard W., Shawinigan Falls, assignor to Canadian Electro Products Company Limited, Montreal, Quebec, Canada. Apparatus for the manufacture of acetic acid. 1,481,326; Jan. 22.
Mathews Gravity Carrier Company. (See Dunsieth, George, jr., assignor.)
Mauck, Victor, Norristown, Pa. Container and forming the same. 1,481,522; Jan. 22.
Maury, Alfred D., Ilion, assignor to Martin Automatic Fishing Reel Co., Inc., Mohawk, N. Y. Automatic fishing reel. 1,481,722; Jan. 22.
Meiers, George A., New York, N. Y. Reamer attachment for d'estocks. 1,481,523; Jan. 22.
Meisel, Charles A., assignor to Meisel Press Manufacturing Company, Boston, Mass. Printing press. 1,481,783; Jan. 22.
Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)
Mercier, Daniel, Annonay, France. Machine for stretching hides and skins. 1,481,524; Jan. 22.
Merseles, Henry R., assignor to H. E. Merseles, Bronxville, N. Y. Method and apparatus for distributing liquids. 1,481,327; Jan. 22.
Merseles, Herbert E. (See Merseles, Henry R., assignor.)
Merz, Franco, Vercelli, Italy. Apparatus for evaporating liquids. 1,481,723; Jan. 22.
Metal Recording Disc Company. (See Emerson, Victor H., assignor.)
Meyer, August E., Dixon, Ill. Curtain protecting device. 1,481,615; Jan. 22.
Meyer, Jerome. (See Moore, J. S., and Meyer.)
Michael and Bivens Incorporated. (See Bivens, Joe P., assignor.)
Michel, Hermann, Holstein, Germany. Reversing gear for two-stroke cycle internal-combustion engines. 1,481,649; Jan. 22.
Michot, Georges, Dromara, Ireland, assignor to The Fibre Corporation, Limited, London, and Marshall Sons and Company, Limited, Gainsborough, England. Flax-pulling machine. 1,481,476; Jan. 22.
Miller, August F., San Francisco, Calif., assignor to Schmidt Lithograph Company. Display carton. 1,481,477; Jan. 22.
Miller, Edward, & Company. (See Wolter, Herman H., assignor.)
Miller, Robert L., assignor to Otis Automatic Train Control, Inc., Spokane, Wash. Valve mechanism for automatic train-control apparatus. 1,481,616; Jan. 22.
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Minnear, William A., Danbury, Nebr. Stacker. 1,481,724; Jan. 22.
Mohegan Tube Company, The. (See Sussman, Maxwell H., assignor.)
Mohlman, George F. (See Snape, John W., assignor.)
Monckmeier, Gustav C., Tipton, Iowa. Piston ring extractor. 1,481,382; Jan. 22.
Monkhouse, Frederick C., Rochester, N. Y. Toy house. Des. 63,831; Jan. 22.
Monroe, E. M., et al. (See Wentling, Lester M., assignor.)
Montine, Joseph F., Chicago, Ill. Support for elevated cable tracks. 1,481,617; Jan. 22.
Moore Dry Kiln Company. (See Moore, L., and Williams, assignors.)
Moore, George W., Jamaica, N. Y. Cord cutter. 1,481,725; Jan. 22.
Moore, Jesse S., and J. Meyer, New York, N. Y. Can opener. 1,481,478; Jan. 22.
Moore, La Fayette, and C. J. Williams, jr., Jacksonville, assignors to Moore Dry Kiln Company, Jacksonville, Fla. Ventilator for dry kilns. 1,481,726; Jan. 22.
Moore, Oland A., Bethel, Mo. Engine. 1,481,727; Jan. 22.
Mornat, Henry C. F., Hawthorn, Victoria, Australia. Film-developing apparatus. 1,481,618; Jan. 22.
Morgan, Frank L. (See Fletcher, G. H., and Morgan.)
Morgan, Purley V., assignor of one-fifth to J. A. Olsen, Stockton, Calif. Saw clamp. 1,481,728; Jan. 22.
Morrison, Louis E., Salida, Colo. Pneumatic water lift. 1,481,619; Jan. 22.
Mowry, William F., Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 63,832; Jan. 22.
Murdick, Charles H. (See Cullen, Ernest E., assignor.)
Murphy, James A., Connersville, Ind. Engine exhaust muffler. 1,481,479; Jan. 22.
Murphy, John J., Norwich, Conn. Toy construction. 1,481,650; Jan. 22.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, Paul B. (See Lack, F. R., and Murphy.)
Naamloose Vennootschap Philips' Gloeilampenfabrieken. (See Holst, G., Oosterhuis and Bruijnes, assignors.)
Nafziger, Henry T., assignor to Link Belt Company, Chicago, Ill. Electrical collector for locomotive cranes and the like. 1,481,729; Jan. 22.
Nakagawa, Harry, Tanana, Alaska. Flour sifter. 1,481,429; Jan. 22.
National Lead Company. (See Norris, D. R., Baker, and Walker, assignors.)
National Woman's Relief Corps. (See Martin, Ida K., assignor.)
Neely, Albert E., assignor to W. C. Ritchie & Company, Chicago, Ill. Discharge appliance for containers. 1,481,328; Jan. 22.
Nelson, Charles T., assignor to Atlantic Gulf & Pacific Company of Manila, Manila, Philippine Islands. Draft gear. 1,481,620; Jan. 22.
Nelson, John, Winter Park, Fla. Cigar lighter. 1,481,383; Jan. 22.
Neuman, John H., Providence Township, Buena Vista County, Iowa. Disk sharpener. 1,481,621; Jan. 22.
Ney, Edward, New York, N. Y. Coffee urn. 1,481,384; Jan. 22.
Nevel, Albert, et al. (See Wentling, Lester M., assignor.)
Nilson, Frederick W. (See Nilson, Nils and F. W.)
Nilson, Nils and F. W., Worcester, Mass. Automobile brake. 1,481,385; Jan. 22.
Nixon, Jeddy D., Houston, assignor to H. F. Smith, Harris County, Tex. Pump. 1,481,651; Jan. 22.
Nixon, Jeddy D., Houston, assignor to H. F. Smith, Harris County, Tex. Pipe-rotating attachment. 1,481,652; Jan. 22.
Nixon, Jeddy D., Houston, assignor to H. F. Smith, Harris County, Tex. Double-acting tong. 1,481,653; Jan. 22.
Norris, Dwight R., W. H. Baker and E. C. Walker, assignors to National Lead Company, St. Louis, Mo. Metal shipping package. 1,481,267; Jan. 22.
North, Samuel A., Bridgeport, Conn. Cartridge shell. 1,481,622; Jan. 22.
Nugent, William W., Chicago, Ill. Oil-purifying mechanism. 1,481,525; Jan. 22.
Oakley, Erastus G., assignor to Bridgeport Brass Company Bridgeport Conn. Towel rack or like fixture. 1,481,730; Jan. 22.
Oberto, Steve W., Oakland, Calif. Automobile signal. 1,481,480; Jan. 22.
Ogier, Baxter B., Youngstown, Ohio. Flash device. 1,481,731; Jan. 22.
Ohio Blower Company. (See Cookson, Thomas J., assignor.)
Ohio Foundry and Manufacturing Co., The. (See Sharp, Alexander B., assignor.)
Ohmer, John F., jr., and F. Gray, Dayton, Ohio. Driving means for taximeters and speedometers. 1,481,268; Jan. 22.
Okimoto, Kiso. (See Sugiura, R., and Okimoto.)
Olsen, John A. (See Morgan, Purley V., assignor.)
Oosterhuis, Ekko. (See Holst, G., Oosterhuis, and Bruijnes.)
Orr, William V., Cleveland, Ohio. Wringing machine. 1,481,481; Jan. 22.
Osborn, James W., Hemingford, Nebr. Tire-chain fastener and tightener. 1,481,623; Jan. 22.
Osbourn, Millard F., Philadelphia, Pa. Refrigerating system. 1,481,386; Jan. 22.
Otis Automatic Train Control, Inc. (See Miller, Robert L., assignor.)
Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. Manufacture of asphalt roofing. 1,481,430; Jan. 22.
Owens Bottle Company, The. (See Schutz, Harold R., assignor.)
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Pacynski, Joseph A. (See Koperski, Frank, assignor.)
Page, Howard L., Chicago, Ill. Phonograph-record-transfer machine. 1,481,300; Jan. 22.

Paige, Sam K., Boston, and S. K. Paige, jr., Winchester, Mass. Trolley wheel and support. 1,481,732; Jan. 22.
Paige, Sam K., jr. (See Paige, Sam K. and S. K., jr.)
Paper Converting Machine Company. (See Christman, P. J., jr., and Deloye, assignors.)
Paraffine Companies, The. (See Forsman, Stanton W., assignor.)
Paratore, Bartolo, Johnstown, Pa. Power-driven razor. 1,481,387; Jan. 22.
Parker, Edward H., Belleville, N. J., assignor of one-half to C. H. Mathews, Cleveland, Ohio. Wire rope. 1,481,388; Jan. 22.
Parris, Norton E. (See Phillips, Stephen G., assignor.)
Paul, William, Beecher, Ill. Air shotgun. 1,481,526; Jan. 22.
Paull, Archibald W., assignor to Wheeling Stamping Company, Wheeling, W. Va. Container. 1,481,733; Jan. 22.
Paulus, Charles L., Dayton, Ohio. Trigger mechanism for duplex flexible guns. 1,481,389; Jan. 22.
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Paxson, Walter R., Jenkintown, Pa. Swing. 1,481,734; Jan. 22.
Peachey, Stanley J., London, England. Agent for accelerating vulcanization of rubber and producing same. 1,481,482; Jan. 22.
Pearsall, Luther T., and W. Elsey, Pittsburgh, Pa. Drive mechanism for paddle wheels of boats. 1,481,527; Jan. 22.
Peck, Frederick G., Bradford, Pa. Chain pump. 1,481,735; Jan. 22.
Pench, Piero, Milan, Italy. Machine for making building blocks. 1,481,736; Jan. 22.
Persech, Mike, Walsen, Colo. Coal-loading machine. 1,481,737; Jan. 22.
Peters, Charles A., et al. (See Williams, Henry J., assignor.)
Peters, Frank A., Chicago, Ill. Window-drapery-hanger device. 1,481,269; Jan. 22.
Petersen, Anker, Winthrop, Mass., assignor to American Wiremold Company, Hartford, Conn. Contact device for braiding machines. 1,481,483; Jan. 22.
Pettibone, Mulliken Company. (See Cornell, Arthur M., assignor.)
Pfaff, Charles W., et al. (See Wentling, Lester M., assignor.)
Phillips, Stephen G., assignor of one-half to N. E. Parris, New York, N. Y. Comb. 1,481,738; Jan. 22.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Frame for open-fire gas heaters. Des. 63,833; Jan. 22.
Piepjohn, Arthur A., Chicago, Ill. Electric decorticator. 1,481,390; Jan. 22.
Pinch, James W. (See Ketchum, Harry R., assignor.)
Pioneer Suspender Company. (See Heimerdinger, Leo H., assignor.)
Piron, Joseph, Sclessin, Belgium. Universal faceplate for machine tools. 1,481,301; Jan. 22.
Pittsburgh Gage & Supply Company. (See Selquist, Rolf, assignor.)
Plamondon, Lydia, née Hardy. (See Brien, Joseph R., assignor.)
Plumb, Ralph, Buffalo, N. Y. Conveying method and apparatus. 1,481,431; Jan. 22.
Poibamus, Edward D., Ashland, and J. W. Lusby, Grayson, Ky. Check-controlled apparatus. 1,481,739; Jan. 22.
Pollack, Daniel. (See Kasdan, N., and Pollack.)
Post, Claude L., Chicago, Ill. Envelope-feeding mechanism. 1,481,557; Jan. 22.
Presner, Joseph. (See Vimeberg, J. H., and Presner.)
Pugh, John D., Mount Washington, Baltimore, Md. Locomotive. 1,481,302; Jan. 22.
Purcell, William F., Hoboken, N. J., assignor to Hydromotor Company, Inc. Process and device for obtaining a reciprocating movement. 1,481,270; Jan. 22.
Randall Control and Hydrometric Corporation. (See Hartman, William H., assignor.)
Rankin, Herman S., Golden, Colo. Apparatus for melting paraffin and base sediment in oil wells. 1,481,624; Jan. 22.
Ray, Arthur J. (See Willis, R. D., and Ray.)
Ray, Bertram J., Delta, Colo. Trap. 1,481,740; Jan. 22.
Ray, Frederick, Short Hills, N. J. Manufacturing piston rings. 1,481,741; Jan. 22.
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reichart, G. R., et al. (See Wentling, Lester M., assignor.)
Reimer, Ernest C., Algonquin, Ill. Steel-wool holder. 1,481,303; Jan. 22.
Repass, Bert O., Carmel, Ind. Wire-splicing tool. 1,481,432; Jan. 22.
Reynolds, Alfred E., assignor to The Rogers Silver Plate Company, Danbury, Conn. Electric-light bracket. Des. 63,834; Jan. 22.
Rich, William W., West Somerville, Mass. Cock. 1,481,776; Jan. 22.
Richard, Eugene C., Flint, Mich. Carburetor. 1,481,558; Jan. 22.
Richardson, Ernest, College Hill Borough, Pa. Enameled radiator. 1,481,559; Jan. 22.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 1,481,271; Jan. 22.
Riesinger, Frank, Dayton, Ohio. Finishing painted surfaces. 1,481,433; Jan. 22.
Rieske, Henry F., Lakewood, Ohio. Wheel. 1,481,484; Jan. 22.
Riley, Mahlon S., Grand Rapids, Mich. Stop hinge. 1,481,742; Jan. 22.
Ringer, Soren, Chicago, Ill. Article of furniture. 1,481,560; Jan. 22.
Ringer, Soren, Chicago, Ill. Filing unit. 1,481,561; Jan. 22.
Ritchie, W. C., & Company. (See Neely, Albert E., assignor.)
Ritchie, W. C., and Company. (See Stock, Julius A., assignor.)
Ritter, Jacob, New York, N. Y. Vanity case and ladies' hand bag. Des. 63,835; Jan. 22.
Roberts, Theodore C., New York, N. Y., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Method and apparatus for pressing disk sound records without the aid of heating and cooling mediums. 1,481,743; Jan. 22.
Robertson Brothers Manufacturing Company. (See Hauf, George F., assignor.)
Robertson, John A., and P. W. Tierney, assignors to Eastman Kodak Company, Rochester, N. Y. Exposure identification camera. 1,481,272; Jan. 22.
Roby, Edward B., Troy, assignor to S. M. Stone, Cohoes, N. Y. Die and head for folding machines. 1,481,434; Jan. 22.
Rockford Milling Machine Company. (See Sundstrand, Oscar J., assignor.)
Rockford Milling Machine Company. (See Sundstrand, Gustaf D., assignor.)
Roe, Harry A., assignor to J. A. Sauerman, Chicago, Ill. Scraper bucket. 1,481,273; Jan. 22.
Roedding, Gordon E., Grand Rapids, Mich., assignor to Cheney Talking Machine Company, Chicago, Ill. Talking-machine cabinet. Des. 63,836; Jan. 22.
Rogers, Samuel L. (See Bried, Julien A., assignor.)
Rogers Silver Plate Company, The. (See Reynolds, Alfred E., assignor.)
Rosenfield, William W., (now by judicial change of name William W. Laird), New York, N. Y. Motor-winding apparatus. 1,481,777; Jan. 22.
Ross, Carlos R., Chicago, Ill., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Folder for sewing machine. 1,481,320; Jan. 22.
Ross, John W. (See Kent, C. M., and Ross.)
Rossberger, William, Wilmette, Ill. Aquarium. 1,481,435; Jan. 22.
Rothrock, Samuel W., New York, N. Y. Wall and floor ping. 1,481,274; Jan. 22.
Rowe, Claude H., Husthwaite, Easingwold, England. Device for preventing leakage of air around the stems of valves of internal-combustion engines. 1,481,562; Jan. 22.
Rumbaugh, Edward, et al. (See Wentling, Lester M., assignor.)
Russell, Earl F., Bird City, Kans., and R. B. Lamme, Ulysses, Nebr. Thrashing machine. 1,481,436; Jan. 22.
Russell, George J., Lowell, Mass. Broaching. 1,481,437; Jan. 22.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Ground-speed indicator. 1,481,391; Jan. 22.
Russell, Robert C., Pittsburgh, Pa. Index. 1,481,744; Jan. 22.
Ruybal, Jose R. C., Alamosa, Colo. Base for posts. 1,481,745; Jan. 22.
Schulte, George A., Newark, N. J. Caster. 1,481,748; Jan. 22.
Sackett, Edward H., Arvada, Colo. Aerial tramway system. 1,481,746; Jan. 22.
Salomons, Henry, assignor to Yvette Co., New York, N. Y. Hair band. 1,481,778; Jan. 22.
Saltrick, William R., Purley, England, assignor to R. W. Stimson, New York, N. Y. Refining of ferrochrome. 1,481,747; Jan. 22.
Sauerman, John A. (See Roe, Harry A., assignor.)
Schawrow, Ralph, Bayonne, N. J. Hose coupling. 1,481,392; Jan. 22.
Schier, Adolph B., Milwaukee, Wis. Float valve. 1,481,563; Jan. 22.
Schmidt Lithograph Company. (See Miller, August F., assignor.)
Schmitt, Anthony F. A., New York, N. Y. Truck snow-loading device. 1,481,438; Jan. 22.
Schrag, John J., Harvey, Kans. Harrow. 1,481,393; Jan. 22.
Schramm, Albert O., Los Angeles, Calif. Apparatus for stretching laundered articles for drying. 1,481,275; Jan. 22.
Schutz, Harold R., assignor to The Owens Bottle Company, Toledo, Ohio. Conveying apparatus. 1,481,330; Jan. 22.
Schultz, Paul, Oakland, Calif. Mixing chamber for oil-burning furnaces. 1,481,625; Jan. 22.
Scott, Palmer, St. Davids, Pa. Oil burner. 1,481,564; Jan. 22.
Scovill Manufacturing Company. (See Warner, Percy de F., assignor.)

Scrabic, Carl, Urbana, Ohio. Talking machine. 1,481,749; Jan. 22.
Secretary of War of the United States of America, trustee. (See Councilman, Halstead P., assignor.)
Seligman, Arthur F. (See Wetzel, L. P., and Seligman.)
Sellars, Claire J. (See Sellars, Clark H. and C. J.)
Sellars, Clark H. and C. J., Guilford Township, Hendricks County, Ind. Adjustable tractor drawbar. 1,481,565; Jan. 22.
Sellers, Nathan N., Guthrie, Okla. Car door. 1,481,439; Jan. 22.
Selquist, Rolf, assignor to Pittsburgh Gage & Supply Company, Pittsburgh, Pa. Wringer. 1,481,566; Jan. 22.
Senseney, George E., assignor to The Marvellum Company, Holyoke, Mass. Ornamental paper and preparing same. 1,481,567; Jan. 22.
Sevigny, Hollis J., Sanford, Me. Safety tank cap or stopper. 1,481,750; Jan. 22.
Sharp, Albert and G., Bayonne, N. J. Butter cutting and printing machine. 1,481,304; Jan. 22.
Sharp, Alexander E., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 63,837; Jan. 22.
Sharp, George. (See Sharp, Albert and G.)
Sharpe, William A., Denver, Colo. Electrolytic separator. 1,481,751; Jan. 22.
Sheller, Albert G., deceased, Claysville, Pa.; E. S. Sheller, administratrix. Nonskid chain. 1,481,626; Jan. 22.
Sheller, Ella S., administratrix. (See Sheller, Albert G.)
Sherrill, Paul E. (See Forbes, H. C., and Sherrill.)
Siemens & Halske, Aktiengesellschaft. (See Kaminski, Paul, assignor.)
Silvene, Antony, Victoria, British Columbia, Canada. Tire tread. 1,481,440; Jan. 22.
Simpson, Earnest J., Gastonia, N. C. Railway-car attachment. 1,481,394; Jan. 22.
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Ross, Carlos R., assignor.)
Smith, Alfred H., Chappaqua, N. Y. Compartment freight car. 1,481,305; Jan. 22.
Smith, Charles H., Short Hills, N. J., assignor to International Coal Products Corporation, Richmond, Va. Treating of coal and manufacture of briquettes. 1,481,627; Jan. 22.
Smith, Earl G., assignor of one-half to A. B. Combs, Portland, Oreg. Valve grinder. 1,481,568; Jan. 22.
Smith, Howard P. (See Nixon, Jeddy D., assignor.)
Smith, Jennings D., Tampa, Fla. Adjustable slip cover for automobile seats. 1,481,752; Jan. 22.
Snape, John W., assignor of forty per cent to G. F. Mohlman, Edmonton, Canada. Varnish. 1,481,485; Jan. 22.
Societe Baille-Lemaire et Fils. (See Baille, Jean L., assignor.)
Soubier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,481,331; Jan. 22.
Souza, John B., Vallejo, Calif. Dice game. 1,481,628; Jan. 22.
Spiro, Walter J., White Plains, N. Y. Throttle control. 1,481,753; Jan. 22.
Springfield Bronze Company. (See Johnston, Leonard, assignor.)
Stalson, Martin, Minneapolis, Minn. Knot-tying device. 1,481,754; Jan. 22.
Standard Deep Well Pump Co. (See Haney, Lewis H., assignor.)
Standard Oil Company. (See Craswell, Claude C., assignor.)
Standard Underground Cable Company. (See Baldwin, Chauncey C., assignor.)
Staubach, Alois, Crestline, Ohio. Saw set. 1,481,755; Jan. 22.
Steele, William E., Olympia, Wash. Automobile light. 1,481,629; Jan. 22.
Steinmark, Harry D., Bayridge, Brooklyn, N. Y. Steering-wheel lock. 1,481,276; Jan. 22.
Stevenson, Ashton G., Chicago, Ill. Printer's material and means for producing same. 1,481,441; Jan. 22.
Stevenson, Ashton G., Chicago, Ill. Type-slug-casting machine and products. 1,481,442; Jan. 22.
Stewart, Lloyd, et al. (See Wentling, Lester M., assignor.)
Stickle, Samuel E., Fort Rock, Oreg. Attachment for beds, chairs, and the like. 1,481,756; Jan. 22.
Stimson, Robert W. (See Saltrick, William R., assignor.)
Stock, Julius A., Cicero, assignor to W. C. Ritchie and Company, Chicago, Ill. Feeding device. 1,481,332; Jan. 22.
Stockum, Elisha F. (See MacAllister, J. A., and Stockum.)
Stokes & Smith Company. (See Stokes, John S., assignor.)
Stokes, John S., Huntingdon Valley, assignor to Stokes & Smith Company, Summerdale, Philadelphia, Pa. Producing tight-wrapped packages for preserving commodities. 1,481,757; Jan. 22.
Stone, Harry, Weymouth, Mass. Seal-tight preserving jar. 1,481,443; Jan. 22.
Stone, Stanley M. (See Roby, Edward B., assignor.)
Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch. 1,481,444; Jan. 22.
Stuart, Harve R., Springfield, Ohio. Temperature-controlling mechanism for internal-combustion engines. 1,481,306; Jan. 22.
Stuart, Harve R., Springfield, Ohio. Temperature-regulating mechanism for internal-combustion engines. 1,481,307; Jan. 22.
Stukenborg, Louis C., Memphis, Tenn. Fly swatter. 1,481,758; Jan. 22.
Sugiura, Rokuemon, Tokyo, and K. Okimoto, Tokyo-Fu, Japan. Film-developing tube. 1,481,759; Jan. 22.
Sundstrand, Gustaf D., assignor to Rockford Milling Machine Company, Rockford, Ill. Feed box. 1,481,486; Jan. 22.
Sundstrand, Oscar J., assignor to Rockford Milling Machine Company, Rockford, Ill. Adding and listing machine. 1,481,487; Jan. 22.
Sussman, Maxwell H., Kew Gardens, assignor to The Mohegan Tube Company, Brooklyn, N. Y. Forging machine. 1,481,630; Jan. 22.
Swan-Myers Co. (See Wildman, Ernest A., assignor.)
Swanson, Alfred, Billings, Mont. Lifting jack. 1,481,445; Jan. 22.
Sweet, Alvin H., assignor to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Brake band. 1,481,760; Jan. 22.
Swift, Evert E., Chillicothe, Ill. Rail joint. 1,481,631; Jan. 22.
Talbott, John O., et al. (See Creveling, William C., assignor.)
Tannewitz, Carl E., assignor to The Tannewitz Works, Grand Rapids, Mich. Trimming saw. 1,481,569; Jan. 22.
Tannewitz Works, The. (See Tannewitz, Carl E., assignor.)
Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)
Tatum, John W., Fallsington, Pa. Milling mechanism. 1,481,632; Jan. 22.
Taylor, Reginald T., New Virginia, Iowa. Coin container. 1,481,308; Jan. 22.
Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Stove frame. 1,481,633; Jan. 22.
Taylor, Thomas F., Wallingford, Conn., assignor, by mesne assignments, to H. L. Judd Company Inc., Dover, Del. Bracket. 1,481,395; Jan. 22.
Technical Research Works, Limited. (See Bolton, E. R., and Lush, assignors.)
Ternes, Frank B., San Francisco, Calif. Typewriter fastener. 1,481,396; Jan. 22.
Tetétleni, Armin, Budapest, Hungary. Chain turbine. 1,481,397; Jan. 22.
Texas Company, The. (See Drake, Rollin L., assignor.)
Tharaldsen, Filip, Christiania, Norway. Electrothermic production of zinc. 1,481,761; Jan. 22.
Thomas, Adolph A., New York, N. Y. Sound amplifier. 1,481,634; Jan. 22.
Thomas, Owen H., Osage City, Kans. Tire alarm. 1,481,654; Jan. 22.
Thompson, Milton E., Ridgway, Pa. Electromagnetic coupling. 1,481,655; Jan. 22.
Thorne, Clarence O. (See Baltz, P. G., and Thorne.)
Tierney, Philip W. (See Robertson, J. A., and Tierney.)
Tiffany & Company. (See Barney, Arthur L., assignor.)
Title Guarantee and Trust Company, trustee. (See Sweet, Alvin H., assignor.)
Tobin, Nathan L., Chicago, Ill. Tire. 1,481,488; Jan. 22.
Toffey, Alice F., Jersey City, N. J. Pull-out device for tire chains. 1,481,570; Jan. 22.
Tokheim Oil Tank and Pump Company. (See Brake, George U., assignor.)
Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
Toms, John, Kohimarama, Auckland, New Zealand. Fastener for belts. 1,481,571; Jan. 22.
Torbert, James E., Faunsdale, Ala. Counter guard. 1,481,762; Jan. 22.
Trahant, William J., New Orleans, La. Toy vehicle. 1,481,656; Jan. 22.
Trimmer, Moses L., Craig, Mo. Dumping body. 1,481,763; Jan. 22.
Trinca, Frederick, and H. Wolf, assignors to Ever Ready Auto Signal Co., Inc., New York, N. Y. Stop signal and tail-light lens. Des. 63,824; Jan. 22.
Tripp, Grover H., Allegan, Mich. Bumper for automobiles. 1,481,572; Jan. 22.
Trundle, George T., jr., assignor to The American Speed-O-Feeder Company, Cleveland, Ohio. Machine for feeding envelopes to typewriting machines. 1,481,489; Jan. 22.
Tucker, Holling G. (See Goldman, S. L., and Tucker.)
Underwood Typewriter Company. (See Collins, Samuel, assignor.)
Union Special Machine Company. (See Hughes, Robert R., jr., assignor.)
Union Tool Company. (See Hodge, Arthur J., assignor.)
Van Brunt, William T., Redbank, N. J. Gas generator and burner. 1,481,573; Jan. 22.
Van Burkleo, Joseph S., Detroit, Tex. Crossing signal. 1,481,309; Jan. 22.
Vaughn, Timothy C., Morris, Minn. Pneumatic elevator. 1,481,490; Jan. 22.
Vilandrer, Anna L., New York, N. Y. Petticoat and pantalette combination. 1,481,657; Jan. 22.

Vineberg, Joseph H., and J. Presner, Montreal, Quebec, Canada. Wind-shield attachment. 1,481,491; Jan. 22.
Vinsent, Theodore R., Oakland, Calif. Nail for wire lath. 1,481,398; Jan. 22.
Visible Manufacturing Co. (See Crossman, R. W., and Maschek, assignors.)
Walker, Edward C. (See Norris, D. R., Baker, and Walker.)
Warner, Percy de F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Screw stud for snap fasteners. 1,481,784; Jan. 22.
Warren, Harold R., assignor to P. R. Warren Company, Boston, Mass. Paper box. 1,481,492; Jan. 22.
Warren, P. R., Company. (See Warren, Harold R., assignor.)
Washburn-Crosby Company. (See Harding, Henry O'B., assignor.)
Watson, Richard M. (See Blackwell, H. A., and Watson.)
Watson, Thomas J., Short Hills, N. J., assignor to Computing-Tabulating-Recording Co., New York, N. Y. Time recorder. 1,481,574; Jan. 22.
Weaver, Frank M. (See Weaver, Reese E., assignor.)
Weaver, Reese E., assignor of one-half to F. M. Weaver, Los Angeles, Calif. Gas burner. 1,481,764; Jan. 22.
Webert, Louis P., Annapolis, Md. Method of and apparatus for treating carbonaceous material. 1,481,399; Jan. 22.
Webster, Lewis E., Wyoming, Pa. Shovel handle. 1,481,575; Jan. 22.
Wehrle Company, The. (See Pickup, George E., assignor.)
Weinberg, Lowell C., Dayton, Ohio. Folding-wing monoplane. 1,481,400; Jan. 22.
Welsh, Charles R., Schofield Barracks, Hawaii. Windproof shield for match boxes. 1,481,446; Jan. 22.
Wentling, Lester M., assignor of one-half to C. Goughler, Foxburg, Pa. Railway-track wrench. 1,481,401; Jan. 22.
Wentling, Lester M., Foxburg, assignor of one-eighth to R. Jones, one-eighth to G. R. Reichart, and one-eighth to R. M. Monroe, Parkers Landing, one-eighth to C. E. Harrington, Kittanning, and one-eighth to A. Nevel, Foxburg, Pa. Guard rail. 1,481,765; Jan. 22.
Wentling, Lester M., assignor of one half to C. L. Goughler and E. Rumbaugh, Foxburg, and L. Stewart, Parkers Landing, and C. W. Pfaff, Emlenton, Pa. Tie plate. 1,481,766; Jan. 22.
Werner, Fred W. (See Bohn, G. J., and Werner.)
Wershow, Jacob, New Haven, Conn. Alcohol tester. 1,481,277; Jan. 22.
Wertz, Peter, Pittsburgh, Pa. Valve. 1,481,576; Jan. 22.
Western Electric Company. (See Lack, F. R., and Murphy, assignors.)
Western Metals Company. (See Appleton, Wilbur H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ellis, Joseph B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
Weston, John R., Dubuque, Iowa. Engine and radiator warmer. 1,481,447; Jan. 22.
Wetzel, Leonard P., and A. F. Seligman, Troy, Ill. Index ledger or balance sheets. 1,481,402; Jan. 22.
Whalen, James, Chicago, Ill. Aircraft. 1,481,448; Jan. 22.
Wheeler, Schuyler S., Bernardsville, assignor to Crocker-Wheeler Company, Ampere, N. J. Apparatus for indicating and expediting work. 1,481,449; Jan. 22.
Wheeling Stamping Company. (See Paull, Archibald W., assignor.)
Whitcomb, Edmund B., assignor to The Willys-Overland Company, Toledo, Ohio. Seat construction. 1,481,310; Jan. 22.
White, J. H., Manufacturing Company. (See Keller, Karl, assignor.)
White, J. H., Manufacturing Company. (See Kahns, Walter R., assignor.)
White, John F., assignor to White Products Company, Chicago, Ill. Hood latch. 1,481,493; Jan. 22.
White, J. Samuel, & Company Limited. (See Forster, Andrew, assignor.)
White Products Company. (See White, John F., assignor.)
Wiederwax, Robert W., assignor to Geist Manufacturing Company, Atlantic City, N. J. Heating device. 1,481,450; Jan. 22.
Wiegert, William H., Kingston, N. Y. Wrench. 1,481,767; Jan. 22.
Wildman, Ernest A., Richmond, assignor to Swan-Myers Co., Indianapolis, Ind. Calcium ortho-benzyloxybenzoate. 1,481,779; Jan. 22.
Williams, Charles J., jr. (See Moore, L., and Williams.)
Williams, Frank J., Macy, Ind. Number plate for automobiles. 1,481,768; Jan. 22.
Williams, Henry J., assignor of one-third to N. I. W. Brown and one-third to C. A. Peters, Palmerston North, New Zealand. Foot accelerator for motor vehicles and the like. 1,481,769; Jan. 22.
Willis, Bernard D., Oak Park, and A. J. Ray, Chicago, Ill., assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,481,577; Jan. 22.
Willys-Morrow Company, The. (See Lutz, Hans, assignor.)
Willys-Overland Company, The. (See Kehoe, Thomas J., assignor.)
Willys-Overland Company, The. (See Martin, William J., assignor.)
Willys-Overland Company, The. (See Whitcomb, Edmund B., assignor.)
Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Container. 1,481,403; Jan. 22.
Wine, William E., Toledo, Ohio. Ventilator. 1,481,658; Jan. 22.
Winter, Christian J., Dubuque, Iowa. Invisible trouser supporter. 1,481,770; Jan. 22.
Wirfs, Edward J., Webster Groves, Mo. Gasket. 1,481,451; Jan. 22.
Wise, Reuben R., Manteca, Calif. Change-speed transmission gear. 1,481,578; Jan. 22.
Witter, Claude A., assignor to Hall Wheel Corporation, Philadelphia, Pa. Vehicle wheel. 1,481,579; Jan. 22.
Wolf, Henry. (See Trinca, F., and Wolf.)
Woolliscroft, John H., Liverpool, England. Pneumatic check or the like device. 1,481,582; Jan. 22.
Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Lamp. Des. 63,838; Jan. 22.
Wolvering Supply and Manufacturing Company. (See Bain, Benjamin F., assignor.)
Wood, Frank W., Montclair, N. J., assignor to Chas. Cory & Son, Incorporated, New York, N. Y. Multiple-socket receptacle strip. 1,481,278; Jan. 22.
Wood, Harry L., assignor to The American Speed-O-Feeder Company, Cleveland, Ohio. Envelope feeder for typewriter machines. 1,481,494; Jan. 22.
Woodcock, Louis H., Colville, Wash. Fly switch. 1,481,452; Jan. 22.
Woodward, Henry R., Washington, D. C. Nostril expander. 1,481,581; Jan. 22.
Workman, William R., Auburn, N. Y. Electrical flush receptacle. 1,481,771; Jan. 22.
Wright, George, East Orange, N. J. Dock-pier construction. 1,481,404; Jan. 22.
Wright, Harry N., Chicago, Ill. Stop for doors and windows. 1,481,580; Jan. 22.
Yeastole Company, The. (See Allen, Thomas J., assignor.)
Yvette Co. (See Solomons, Henry, assignor.)
Zell, Charles M., The Dalles, Oreg. Washing device for automobiles and other purposes. 1,481,772; Jan. 22.
Zimmermann, Chn., & Son Co., The. (See Detert, Richard H., assignor.)
Zippel, Hyman M., Philadelphia, Pa. Apparatus for accumulation and transmission of power. 1,481,279; Jan. 22.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Account file. W. Barr. 1,481,496; Jan. 22.
Acid, Apparatus for the manufacture of acetic. H. W. Matheson. 1,481,326; Jan. 22.
Adding and listing machine. O. J. Sundstrand. 1,481,487; Jan. 22.
Aerial tramway system. E. H. Sackett. 1,481,746; Jan. 22.
Air heater, Radiant electric. J. B. Ellis. Des. 63,821; Jan. 22.
Aircraft. J. Whalen. 1,481,448; Jan. 22.
Airplane construction. W. F. Holeka. 1,481,555; Jan. 22.
Alarm: *See*—
Tire alarm.
Alcohol tester. J. Wershow. 1,481,277; Jan. 22.
Alkali-metal cyanides, Producing. C. B. Jacobs. 1,481,373; Jan. 22.
Alkali-metal cyanides, Production of. C. B. Jacobs. 1,481,374; Jan. 22.
Alloy for turbine blades. I. Iytaka. 1,481,782; Jan. 22.
Amplitude selection, Means for and method of. R. W. Deardorff. 1,481,284; Jan. 22.
Annealing furnace. C. C. Baldwin. 1,481,338; Jan. 22.
Aquarium. W. Rossberger. 1,481,435; Jan. 22.
Art, Decorative. M. B. Francklin. 1,481,420; Jan. 22.
Auto jack. D. F. Bishop. 1,481,676; Jan. 22.
Autographic register. M. Macdonald. 1,481,519; Jan. 22.
Automobile brake. N. and F. W. Nilson. 1,481,385; Jan. 22.
Automobile bumper. C. Hansen. 1,481,364; Jan. 22.
Automobile bumper. G. H. Tripp. 1,481,572; Jan. 22.
Automobile light. W. E. Steele. 1,481,629; Jan. 22.
Automobile number plate. F. J. Williams. 1,481,768; Jan. 22.
Automobile radiator cap. A. H. Harvey. 1,481,285; Jan. 22.
Automobile seats, Adjustable slip cover for. J. D. Smith. 1,481,752; Jan. 22.
Automobile signal. S. W. Oberto. 1,481,480; Jan. 22.
Automobiles and other purposes, Washing device for. C. M. Zell. 1,481,772; Jan. 22.
Automobiles, Electric-signal trouble indicator for. W. S. La Londe. 1,481,471; Jan. 22.
Automobiles, Underhood lock for. L. C. Boggess. 1,481,498; Jan. 22.
Bag: *See*—
Punching bag.
Barrel construction. S. W. Forsman. 1,481,462; Jan. 22.
Bath. K. Beresford. 1,481,675; Jan. 22.
Battle plane. H. E. Hrammer. 1,481,469; Jan. 22.
Bearing. M. G. Gimeno. 1,481,705; Jan. 22.
Bearing and making same, Lever. M. Helm. 1,481,286; Jan. 22.
Beds, chairs, and the like, Attachment for. S. E. Stickle. 1,481,756; Jan. 22.
Belt calculator. G. R. Fickert. 1,481,702; Jan. 22.
Belt fastener. J. Toms. 1,481,571; Jan. 22.
Binder connection. S. C. Cary. 1,481,414; Jan. 22.
Binders, Leaf holder for loose-leaf. H. R. Blackwell and R. M. Watson. 1,481,342; Jan. 22.
Block: *See*—
Saw-carriage head block.
Boats, Drive mechanism for paddle wheels of. L. T. Pearsall and W. Elsey. 1,481,527; Jan. 22.
Boilers, Making parts of. R. W. Birchfield. 1,481,408; Jan. 22.
Bolt clamp, Quick-acting. C. V. Hanson. 1,481,553; Jan. 22.
Bookbinding machines, Back measuring and shaping device for. C. F. McIlree. 1,481,296; Jan. 22.
Bookcase, Reversible. J. J. Huppert. 1,481,640; Jan. 22.
Bore holes, Removing broken tools from. T. Bornemann. 1,481,344; Jan. 22.
Bottle. W. S. Breedon. Des. 63,816; Jan. 22.
Box: *See*—
Collapsible box.
Feed box.
Locomotive driving box.
Meter box.
Paper box.
Vanity box.
Box and crate, Collapsible. F. T. Labey. 1,481,717; Jan. 22.
Box liner. C. A. Agar. 1,481,333; Jan. 22.
Box-making machine. H. Carle. 1,481,347; Jan. 22.
Bracket: *See*—
Carline bracket.
Bracket. T. F. Taylor. 1,481,395; Jan. 22.
Bracket back. W. R. Kahns. Des. 63,828; Jan. 22.
Bracket back. K. Keller. Des. 63,829; Jan. 22.
Braiding machines, Contact device for. A. Petersen. 1,481,483; Jan. 22.
Brake: *See*—
Automobile brake.
Brake band. A. H. Sweet. 1,481,760; Jan. 22.
Brake-beam support. F. T. De Long and A. W. Hawkins. 1,481,540; Jan. 22.
Broaching. G. J. Russell. 1,481,437; Jan. 22
Brush, Fountain. A. Bongiovanni. 1,481,409; Jan. 22.
Bucket. P. M. Armstrong. 1,481,336; Jan. 22.
Bucket, Scraper. H. A. Roe. 1,481,273; Jan. 22.
Building blocks, Machine for making. P. Pench. 1,481,736; Jan. 22.
Bundles, Means for tying. A. W. Grow. 1,481,464; Jan. 22.
Buoy, Electrically-illuminated. M. Aunndi. 1,481,583; Jan. 22.
Burner: *See*—
Gas burner.
Oil burner.
Bushing, Table. A. J. Hodge. 1,481,509; Jan. 22.
Butter cutting and printing machine. A. and G. Sharp. 1,481,304; Jan. 22.
Button, Detachable. J. F. Leidecker. 1,481,474; Jan. 22.
Cable tracks, Support for elevated. J. F. Montine. 1,481,617; Jan. 22.
Calcium ortho-benzyloxybenzoate. E. A. Wildman. 1,481,779; Jan. 22.
Calculating device. J. P. Coughlin. 1,481,590; Jan. 22.
Camera, Combined roll-holding and plate. J. L. Baillie. 1,481,673; Jan. 22.
Camera, Exposure identification. J. A. Robertson and P. W. Tierney. 1,481,272; Jan. 22.
Camera, High-speed. C. F. Jenkins. 1,481,288; Jan. 22.
Camera, Photographic. A. Legnani. 1,481,718; Jan. 22.
Candle base. C. C. Craswell. 1,481,591; Jan. 22.
Candles, Centering and securing means for electric. W. B. Goddard. 1,481,463; Jan. 22.
Can: *See*—
Garbage can.
Liquid-dispensing can.
Can-making machine. R. L. Drake. 1,481,356; Jan. 22.
Can opener. J. S. Moore and J. Meyer. 1,481,478; Jan. 22.
Can opener. L. Bethke and H. C. Follinger. 1,481,546; Jan. 22.
Car attachment, Railway. E. J. Simpson. 1,481,394; Jan. 22.
Carbonaceous material, Method of and apparatus for treating. L. P. Webert. 1,481,399; Jan. 22.
Carburetor. E. C. Richard. 1,481,558; Jan. 22.
Car, Compartment freight. A. H. Smith. 1,481,305; Jan. 22.
Car door. N. N. Sellers. 1,481,439; Jan. 22.
Carline bracket. C. D. Bonsall. 1,481,343; Jan. 22.
Cartridge shell. S. A. North. 1,481,622; Jan. 22.
Caster. G. A. Schulte. 1,481,748; Jan. 22.
Casting machine and products, Type-slug-. A. G. Stevenson. 1,481,442; Jan. 22.
Cement spreader, Roofing-. C. A. Harris. 1,481,508; Jan. 22.
Centrifugal machine. T. A. Bryson. 1,481,502; Jan. 22.
Centrifugal separator. F. W. McEntire. 1,481,426; Jan. 22.
Chandelier for lighting fixture. F. S. Crowell. Des. 63,877; Jan. 22.
Check-controlled apparatus. E. D. Polhamus and J. W. Lusby. 1,481,739; Jan. 22.
Check or the like device, Pneumatic. J. H. Woolliscroft. 1,481,582; Jan. 22.
Chimes, Timing and regulating device for. W. Eberhardt. 1,481,315; Jan. 22.
Cigar and tobacco moistener. H. Le Gris. 1,481,325; Jan. 22.
Cigar lighter. J. Nelson. 1,481,383; Jan. 22.
Cigar press. A. M. Jamison. 1,481,714; Jan. 22.
Clamp: *See*—
Bolt clamp.
Saw clamp.
Clinometer, plumb, and level, Combined. H. R. Ketchum. 1,481,716; Jan. 22.
Clip: *See*—
Hose clip.
Cloth bolts, End label for. J. W. Little, jr. 1,481,293; Jan. 22.
Clutch. J. Fleux. 1,481,593; Jan. 22.
Clutch. R. W. Strout. 1,481,444; Jan. 22.

Coal and manufacture of briquettes, Treating of. C. V. McIntire. 1,481,427; Jan. 22.
Coal and manufacture of briquettes, Treating of. C. H. Smith. 1,481,627; Jan. 22.
Coal-loading machine. M. Persech. 1,481,737; Jan. 22.
Coal-saving composition. O. O. Cooper. 1,481,456; Jan. 22.
Cock. W. W. Rich. 1,481,776; Jan. 22.
Coffee, Apparatus for making drip. E. S. Gardiner. 1,481,258; Jan. 22.
Coin container. R. T. Taylor. 1,481,308; Jan. 22.
Collapsible box. B. L. Dozier. 1,481,592; Jan. 22.
Comb. J. F. Kelly. 1,481,646; Jan. 22.
Comb. S. G. Phillips. 1,481,738; Jan. 22.
Comb and brush, Combination. H. M. Chubbuck. 1,481,588; Jan. 22.
Compressor. J. Dwyer. 1,481,358; Jan. 22.
Concrete-brick mold. E. J. Larson. 1,481,473; Jan. 22.
Confection and making the same, Imitation frozen. G. F. Boesser. 1,481,281; Jan. 22.
Connecting-rod construction. R. O. Allen. 1,481,334; Jan. 22.
Container. A. W. Paull. 1,481,733; Jan. 22.
Container. R. W. Wilson. 1,481,403; Jan. 22.
Container and forming the same. V. Mauck. 1,481,522; Jan. 22.
Containers, Discharge appliance for. A. E. Neely. 1,481,328; Jan. 22.
Containers, Sling for. A. E. Darby. 1,481,418; Jan. 22.
Controller. Low-voltage protective circuit. G. E. Laue. 1,481,377; Jan. 22.
Conveyer, Apparatus for unloading. G. Dunsleth, jr. 1,481,542; Jan. 22.
Conveying apparatus. H. R. Schutz. 1,481,330; Jan. 22.
Conveying method and apparatus. R. Plumb. 1,481,431; Jan. 22.
Cooking and heating means, Electrical. A. C. Hottenroth. 1,481,369; Jan. 22.
Cord cutter. G. W. Moore. 1,481,725; Jan. 22.
Counter guard. J. E. Torbert. 1,481,762; Jan. 22.
Coupling: *See*—
Electromagnetic coupling.
Hose coupling.
Pump coupling.
Crossing signal. J. S. Van Burkleo. 1,481,309; Jan. 22.
Curtain protecting device. A. E. Meyer. 1,481,615; Jan. 22.
Cutter: *See*—
Cord cutter.
Decorticator, Electric. A. A. Piepjohn. 1,481,390; Jan. 22.
Dental attachment, Stress-breaking. A. Feinberg. 1,481,637; Jan. 22.
Detonators, Secondary charge for compound. B. Grotta. 1,481,361; Jan. 22.
Die and head for folding machines. E. B. Roby. 1,481,434; Jan. 22.
Die stocks, Reamer attachment for. G. A, Meiers. 1,481,523; Jan. 22.
Dishwashing machine. S. L. Goldman and H. G. Tucker. 1,481,601; Jan. 22.
Display carton. A. F. Miller. 1,481,477; Jan. 22.
Display rack, Hair-net. B. J. Buckingham. 1,481,682; Jan. 22.
Dock-pier construction. G. Wright. 1,481,404; Jan. 22.
Door-gripping device. T. J. Kehoe. 1,481,292; Jan. 22.
Door operator, Automatic garage-. A. H. Genest. 1,481,600; Jan. 22.
Doors and windows, Stop for. H. N. Wright. 1,481,580; Jan. 22.
Doorcheck. M. R. and C. K. Britten. 1,481,501; Jan. 22.
Dough mixer. W. G. Kirchhoff. 1,481,556; Jan. 22.
Drafting garments, Chart for. C. T. Mackey. 1,481,613; Jan. 22.
Drapery-hanger device, Window-. F. A. Peters. 1,481,269; Jan. 22.
Drills, Apparatus for positioning and grinding twist. G. Hemenway. 1,481,260; Jan. 22.
Drinking fountain. M. J. Glauber. 1,481,360; Jan. 22.
Dumping body. M. L. Trimmer. 1,481,763; Jan. 22.
Electric-circuit-closing device. W. H. Hope. 1,481,368; Jan. 22.
Electric discharge tube. G. Holst, E. Oosterhuis, and J. Bruijnes. 1,481,422; Jan. 22.
Electric-light bracket. A. E. Reynolds. Des. 63,834; Jan. 22.
Electric reactive winding. J. R. Beard. 1,481,585; Jan. 22.
Electric regulation. J. L. Creveling. 1,481,506; Jan. 22.
Electric switch, High-potential. G. A. Burnham. 1,481,781; Jan. 22.
Electrical controller. R. B. Hunter. 1,481,372; Jan. 22.
Electrical distribution system. G. A. Burnham. 1,481,780; Jan. 22.
Electricity meter. M. Anninger. 1,481,335; Jan. 22.
Electrode. I. H. Levin. 1,481,648; Jan. 22.
Electrolysis mitigation. G. G. Jones. 1,481,289; Jan. 22.
Electrolytic separator. W. A. Sharpe. 1,481,751; Jan. 22.
Electromagnetic coupling. M. E. Thompson. 1,481,655; Jan. 22.
Elevator: *See*—
Pneumatic elevator.
Elevator-door-control system. W. H. Hartman. 1,481,466; Jan. 22.

Embossing and like machine or press. A. S. Burnett and T. Collins. 1,481,536; Jan. 22.
Engine: *See*—
Internal-combustion engine.
Engine. O. A. Moore. 1,481,727; Jan. 22.
Engine and radiator warmer. J. R. Weston. 1,481,447; Jan. 22.
Engine exhaust muffler. J. A. Murphy. 1,481,479; Jan. 22.
Engines, Device for preventing leakage of air around the stems of valves of internal combustion. C. H. Rowe. 1,481,562; Jan. 22.
Engines, Fuel pump for internal-combustion. K. J. E. Hesselman. 1,481,606; Jan. 22.
Engines, Reversing gear for two-stroke cycle internal-combustion: H. Michel. 1,481,649; Jan. 22.
Engines, Supporting of the piston in rotary. M. Güttner. 1,481,603; Jan. 22.
Engines, Temperature controlling mechanism for internal-combustion. H. R. Stuart. 1,481,306; Jan. 22.
Engines, Temperature regulating mechanism for internal-combustion. H. R. Stuart. 1,481,307; Jan. 22.
Envelope-feeding mechanism. C. L. Post. 1,481,557; Jan. 22.
Excavator. G. H. Greimann. 1,481,602; Jan. 22.
Extractor: *See*—
Piston-ring extractor.
Eyelet-setting machine. E. F. H. Enna. 1,481,545; Jan. 22.
Fan and air-pump mechanism, Combined. R. R. Kirsch. 1,481,425; Jan. 22.
Feed box. G. D. Sundstrand. 1,481,486; Jan. 22.
Feeding device. J. A. Stock. 1,481,332; Jan. 22.
Fender. R. N. Evans. 1,481,699; Jan. 22.
Ferrochrome refining. W. R. Saltrick. 1,481,747; Jan. 22.
Filing unit. S. Ringer. 1,481,561; Jan. 22.
Filling machine. K. Kiefer. 1,481,513; Jan. 22.
Film-developing apparatus. H. C. F. Morant. 1,481,618; Jan. 22.
Film-developing tube. R. Sugiura and K. Okimoto. 1,481,759; Jan. 22.
Film-winding reel. A. Guerra. 1,481,708; Jan. 22.
Filtering device. A. E. Bass. 1,481,407; Jan. 22.
Finger-ring guard. A. McKellar. 1,481,297; Jan. 22.
Firearm sight. L. W. Luellen. 1,481,294; Jan. 22.
Firearms, Action lock for. G. H. Garrison. 1,481,638; Jan. 22.
Firing mechanism, Impact. H. P. Councilman. 1,481,635; Jan. 22.
Fishing reel, Automatic. A. D. Maury. 1,481,722; Jan. 22.
Fishing tool. J. E. Harrison. 1,481,259; Jan. 22.
Fixture arm. M. and I. Geringer. Des. 63,826; Jan. 22.
Flag stand. I. K. Martin. Des. 63,830; Jan. 22.
Flame spreader. C. H. Boeck. 1,481,587; Jan. 22.
Flash device. B. B. Ogier. 1,481,731; Jan. 22.
Flax pulling machine. G. Michot. 1,481,476; Jan. 22.
Flour-packing machines, Automatic controlling mechanism for. H. O'B. Harding. 1,481,421; Jan. 22.
Flush receptacle, Electrical. W. R. Workman. 1,481,771; Jan. 22.
Fly swatter. L. C. Stukenborg. 1,481,758; Jan. 22.
Fly switch. L. H. Woodcock. 1,481,452; Jan. 22.
Foot sole protector. J. S. Edwards. 1,481,698; Jan. 22.
Forging machine. M. H. Sussman. 1,481,630; Jan. 22.
Fountain: *See*—
Drinking fountain.
Poultry fountain.
Frame: *See*—
Stove frame.
Fruits, Apparatus for and process of making artificial. C. De-Felice. 1,481,314; Jan. 22.
Fuel-charge-treating device. V. R. Cameron. 1,481,411–3; Jan. 22.
Fuel-feeding device. J. C. Coulombe. Re15,749; Jan. 22.
Furnace: *See*—
Annealing furnace.
Furnace retort. C. V. McIntire. 1,481,428; Jan. 22.
Furnaces, boilers, and the like, Oil-fuel burner for use in. J. Davies. 1,481,419; Jan. 22.
Furnaces, Mixing chamber for oil-burning. P. Schultz. 1,481,625; Jan. 22.
Furniture, Article of. S. Ringer. 1,481,560; Jan. 22.
Fuse puller and replacer. W. D. Kurz. 1,481,517; Jan. 22.
Fuse, Shell. A. E. Blashill. 1,481,677; Jan. 22.
Game. A. Hulsmann. 1,481,713; Jan. 22.
Game, Dice. J. B. Souza. 1,481,628; Jan. 22.
Game, Toy. J. J. Hayes. 1,481,605; Jan. 22.
Garbage can. G. W. Burrows. 1,481,685; Jan. 22.
Garbage can. J. Dompier. 1,481,355; Jan. 22.
Garlic from wheat, Separation of. D. W. Durrett. 1,481,606; Jan. 22.
Garter. L. H. Helmerdinger. 1,481,639; Jan. 22.
Gas burner. R. E. Weaver. 1,481,764; Jan. 22.
Gas generator and burner. W. T. Van Brunt. 1,481,573; Jan. 22.
Gas heater. A. B. Sharp. Des. 63,837; Jan. 22.
Gas-heater frame, Open-fire. G. E. Pickup. Des. 63,833; Jan. 22.
Gasket. E. J. Wirfs. 1,481,451; Jan. 22.
Gate: *See*—
Yieldable gate.
Gauge: *See*—
Pressure gauge.

Gauge. C. S. Kellum. 1,481,322; Jan. 22.
Gauging machine. H. Lutz. 1,481,295; Jan. 22.
Gear, Automatic power-transmission drive. C. P. Breese. 1,481,345; Jan. 22.
Gear, Change-speed. T. L. Carbone. 1,481,687; Jan. 22.
Gear, Change-speed transmission. R. R. Wise. 1,481,578; Jan. 22.
Gear, Draft. C. T. Nelson. 1,481,620; Jan. 22.
Gearing, Toothed. P. Ljungström. 1,481,720; Jan. 22.
Glass-delivering apparatus. J. W. Carnahan. 1,481,688; Jan. 22.
Glass feeder. L. D. Soubier. 1,481,331; Jan. 22.
Goggles. R. Malcom. 1,481,475; Jan. 22.
Gold and silver, Centrifugal amalgamation and precipitation of. W. H. Appleton. 1,481,311; Jan. 22.
Grate bar to burn pulverized coal. F. Herkenrath. 1,481,366; Jan. 22.
Grill, Electric. G. E. Curtiss. Des. 63,818–20; Jan. 22.
Guardrail. L. M. Wentling. 1,481,765; Jan. 22.
Gun carriages, Cradle lock for. B. P. Joyce. 1,481,614; Jan. 22.
Gun hose coupling, Grease-. M. C. Bersted. 1,481,341; Jan. 22.
Guns, Safety device for high-angle. B. P. Joyce. 1,481,263; Jan. 22.
Guns, Trigger mechanism for duplex flexible. C. L. Paulus. 1,481,389; Jan. 22.
Hair band. H. Salomons. 1,481,778; Jan. 22.
Handle: *See*—
Shovel handle. Valve handle.
Harrow. J. J. Schrag. 1,481,393; Jan. 22.
Headgear for relieving headaches. O. Dingfeld. 1,481,354; Jan. 22.
Headdress, Traveling. M. E. R. Douglas. 1,481,541; Jan. 22.
Heater: *See*—
Washing-machine heater.
Heat-exchange device. T. J. Kehoe. 1,481,291; Jan. 22.
Heating device. R. W. Wiederwax. 1,481,450; Jan. 22.
Heel and sole, Combined. A. Fenton. Des. 63,822; Jan. 22.
Heels, Producing. L. B. Conant. 1,481,254; Jan. 22.
Hides and skins, Machine for stretching. D. Mercier. 1,481,524; Jan. 22.
Hinge. W. S. Edmunds. 1,481,257; Jan. 22.
Hinge, Stop. M. S. Riley. 1,481,742; Jan. 22.
Hoist, Motor vehicle. D. C. Bryan. 1,481,681; Jan. 22.
Hose clip. F. J. T. Barnes. 1,481,674; Jan. 22.
Hose coupling. R. Schawrow. 1,481,392; Jan. 22.
Hull, Straight-line. M. F. Hill. 1,481,261; Jan. 22.
Humidity controller. W. G. R. Braemer and J. Armstrong. 1,481,251; Jan. 22.
Ice-cream cone. D. Gerber. Des. 63,825; Jan. 22.
Ice cream, Dispensing. S. M. Fatland. 1,481,700; Jan. 22.
Ice machines, Brine-circulating apparatus for. G. B. Bright. 1,481,500; Jan. 22.
Index. R. C. Russell. 1,481,744; Jan. 22.
Indicating and expediting work, Apparatus for. S. S. Wheeler. 1,481,449; Jan. 22.
Indicator: *See*—
Liquid-level indicator. Speed indicator.
Indicator. W. Hockin. 1,481,467; Jan. 22.
Inhaler and neuralgic pencils. H. Danziger. 1,481,353; Jan. 22.
Internal-combustion engine. R. F. Levens. 1,481,266; Jan. 22.
Ironing-table structure. B. F. Bain. 1,481,528; Jan. 22.
Jack: *See*—
Auto jack. Lifting jack.
Jar: *See*—
Preserving jar.
Jewel-setting tool. I. Gatti. 1,481,598; Jan. 22.
Joint: *See*—
Rail joint.
Journal-box cover. L. W. Hostettler. 1,481,510; Jan. 22.
Keg, Metal. R. E. Blackford. 1,481,453; Jan. 22.
Kilns, Ventilator for dry. L. Moore and C. J. Williams, jr. 1,481,726; Jan. 22.
Knot-tying device. M. Stalson. 1,481,754; Jan. 22
Lamp. H. H. Wolter. Des. 63,838; Jan. 22.
Lamp, Electric-arc. J. A. Heany. 1,481,554; Jan. 22.
Lamp globe. S. K. Lui. 1,481,719; Jan. 22.
Lamp, Incandescent. C. Brindel. 1,481,680; Jan. 22.
Lantern, Automatically-rotating transparency-displaying. F. M. Lennard. 1,481,518; Jan. 22.
Latch, Hood. J. F. White. 1,481,493; Jan. 22.
Laundered articles for drying, Apparatus for stretching. A. O. Schramm. 1,481,275; Jan. 22.
Lawn rake. C. M. Kent and J. W. Ross. 1,481,375; Jan. 22.
Lawn trimmer. M. G. Halverson. 1,481,465; Jan. 22.
Lead, Dezincing. H. Harris. Re15,751; Jan. 22.
Lead, Refining. H. Harris. Re15,750; Jan. 22.
Ledger or balance sheets, Index. L. P. Wetzel and A. F. Seligman. 1,481,402; Jan. 22.
Lifting jack. A. Swanson. 1,481,445; Jan. 22.
Light: *See*—
Automobile light.
Liquid-dispensing can. C. T. Dye. 1,481,359; Jan. 22.
Liquid-level indicator, Electric. W. S. La Londe. 1,481,470; Jan. 22.
Liquids, Apparatus for evaporating. F. Merz. 1,481,723; Jan. 22.
Liquids, Method and apparatus for distributing. H. R. Merseles. 1,481,327; Jan. 22.
Lock: *See*—
Steering-wheel lock. Window lock.
Vehicle lock.
Locomotive. W. E. Bouschor. 1,481,679; Jan. 22.
Locomotive. W. S. Gray. 1,481,316; Jan. 22.
Locomotive. J. D. Pugh. 1,481,302; Jan. 22.
Locomotive cranes and the like, Electrical collector for. H. T. Nafsiger. 1,481,729; Jan. 22.
Locomotive driving box. A. T. Kuehner. 1,481,611; Jan. 22.
Lubricator. J. Elkins. 1,481,544; Jan. 22.
Machine tools, Universal face plate for. J. Piron. 1,481,301; Jan. 22.
Machines having inividual motors, Switch mounting for. J. P. Bivens. 1,481,280; Jan. 22.
Match boxes, Windproof shield for. C. R. Welsh. 1,481,446; Jan. 22.
Meal separator. E. G. Casad. 1,481,661; Jan. 22.
Meter: *See*—
Electricity meter.
Meter box. A. Casper. 1,481,415; Jan. 22.
Milling mechanism. J. W. Tatum. 1,481,682; Jan. 22.
Mill-roll stand. J. A. Cameron and G. B. Birch. 1,481,346; Jan. 22.
Mixer: *See*—
Dough mixer.
Mixer or emulsifying machine. J. Kilshaw. 1,481,265; Jan. 22.
Mold: *See*—
Concrete-brick mold.
Mold-finishing machine. S. A. McClellan. 1,481,381; Jan. 22.
Molding apparatus. L. Johnston. 1,481,320; Jan. 22.
Money, tokens, or the like of the same size, Counting. G. Holtland. 1,481,711; Jan. 22.
Monoplane, Folding-wing. L. C. Weinberg. 1,481,400; Jan. 22.
Motor control, Induction-. R. E. Hellmund. 1,481,319; Jan. 22.
Motor-winding apparatus. W. W. Rosenfield. 1,481,777; Jan. 22.
Motors, Control system for induction. R. E. Hellmund. 1,481,318; Jan. 22.
Motors, Repair stand for. J. S. Carswell and A. R. Hammond. 1,481,503; Jan. 22.
Motors, Speed-control system for induction. R. E. Hellmund. 1,481,317; Jan. 22.
Nail for wire lath. T. R. Vinzent. 1,481,398; Jan. 22.
Necktie. S. Deiches. 1,481,539; Jan. 22.
Nest, Trap. E. A. B. Butterfield. 1,481,684; Jan. 22.
Nonskid chain. A. G. Sheller. 1,481,626; Jan. 22.
Nostril expander. H. R. Woodward. 1,481,581; Jan. 22.
Nozzle, Steam-regulated exhaust. C. L. Baker. 1,481,337; Jan. 22.
Oil burner. P. Scott. 1,481,564; Jan. 22.
Oil purifying mechanism. W. W. Nugent. 1,481,525; Jan. 22.
Oils, Esterification of. E. R. Bolton and E. J. Lush. 1,481,678; Jan. 22.
Ore treatment. A. S. Dwight. 1,481,357; Jan. 22.
Ores, metalliferous residues, and the like, Concentration of metallic values of. W. H. Dyson and L. Aitchison. 1,481,697; Jan. 22.
Organ, Reed. G. Cloetens. 1,481,350; Jan. 22.
Package. F. W. Barron. 1,481,339; Jan. 22.
Package, Metal-shipping. D. R. Norris, W. H. Baker, and E. C. Walker. 1,481,267; Jan. 22.
Packages for preserving commodities, Producing tight-wrapped. J. S. Stokes. 1,481,757; Jan. 22.
Padlock, Permutation. E. I. Lindberg. 1,481,380; Jan. 22.
Painted surfaces, Finishing. F. Riesinger. 1,481,433; Jan. 22.
Paper. P. G. Baltz and C. O. Thorne. 1,481,529; Jan. 22.
Paper and preparing same, Ornamental. G. E. Senseney. 1,481,567; Jan. 22.
Paper box. H. R. Warren. 1,481,492; Jan. 22.
Paper-feeding mechanism. C. Chisholm. 1,481,349; Jan. 22.
Paper-pulp grinders, Steam-removing means for. C. A. Baxter. 1,481,584; Jan. 22.
Peat, Machine for drying. J. R. Brien. 1,481,410; Jan. 22.
Pea viner, Green-. W. F. Christel. 1,481,455; Jan. 22.
Peeling machine, Vegetable-. J. E. Garrette. 1,481,547; Jan. 22.
Pencil sharpener and pocket clip, Combination. L. S. Harvey. 1,481,604; Jan. 22.
Petticoat and pantalet combination. A. L. Vilandrer. 1,481,657; Jan. 22.
Phonogram blank. V. H. Emerson. 1,481,461; Jan. 22.
Phonograph-record-transfer machine. H. L. Page. 1,481,300; Jan. 22.
Photographic shutter. W. A. Riddell. 1,481,271; Jan. 22.
Pictures, advertisements, or the like, Apparatus for the display of. C. W. Hiscocks. 1,481,607; Jan. 22.
Pipe. G. F. Hauf. 1,481,709; Jan. 22.
Pipe-rotating attachment. J. D. Nixon. 1,481,652; Jan. 22.
Piston ring. S. G. Cole and O. D. Ginther. 1,481,774; Jan. 22.
Piston ring. J. B. Fecht. 1,481,701; Jan. 22.

Piston-ring extractor. G. C. Monckmeier. 1,481,382; Jan. 22.
Piston-ring-filing device. J. A. Flanders. 1,481,595; Jan. 22.
Piston rings, Manufacturing. F. Ray. 1,481,741; Jan. 11.
Plant control, Steam-power-. J. W. Doble. 1,481,460; Jan. 22.
Plastic molding machine. J. F. Caldwell. 1,481,686; Jan. 22.
Plowpoint, Detachable. E. E. Cullen. 1,481,458; Jan. 22.
Plows, Weed and stubble clearer for. M. Brabaw. 1,481,454; Jan. 22.
Plug, Wall and floor. S. W. Rothrock. 1,481,274; Jan. 22.
Pneumatic elevator. T. C. Vaughn. 1,481,490; Jan. 22.
Post base. J. R. C. Ruybal. 1,481,745; Jan. 22.
Power, Apparatus for accumulation and transmission of. H. M. Zippel. 1,481,279; Jan. 22.
Power device, Electric telecontrol arrangement for. P. Kaminski. 1,481,645; Jan. 22.
Poultry drinking device. W. Hegel. 1,481,365; Jan. 22.
Poultry fountain. J. D. Bump. 1,481,683; Jan. 22.
Preserving jar, Seal-tight. H. Stone. 1,481,443; Jan. 22.
Press: *See*—
Cigar press. Printing press.
Pressure gauge. W. P. and T. A. Hammond. 1,481,551; Jan. 22.
Printer's material and means for producing same. A. G. Stevenson. 1,481,441; Jan. 22.
Printing machine, Photographic-. W. C. Lamphier. 1,481,472; Jan. 22.
Printing plates, Preparing. H. A. Herr. 1,481,367; Jan. 22.
Printing press. C. A. Meisel. 1,481,783; Jan. 22.
Printing-press attachment. H. A. Agricola, jr. 1,481,495; Jan. 22.
Propeller, Boat. G. C. Kelly. 1,481,512; Jan. 22.
Pump. J. D. Mixon. 1,481,551; Jan. 22.
Pump. L. H. Haney. 1,481,552; Jan. 22.
Pump, Chain. P. G. Peck. 1,481,735; Jan. 22.
Pump, Compression. L. Chew and W. F. Jennings. 1,481,691; Jan. 22.
Pump coupling. H. P. Kraft. 1,481,516; Jan. 22.
Pumps, Counter for dispensing. G. U. Brake. 1,481,773; Jan. 22.
Punching bag. A. H. Fitzgerald. 1,481,594; Jan. 22.
Rack: *See*—
Display rack.
Rake: *See*—
Lawn rake.
Racing track, Animal. W. C. Creveling. 1,481,313; Jan. 22.
Rail joint. E. E. Swift. 1,481,631; Jan. 22.
Radiator. A. J. Borgman. 1,481,312; Jan. 22.
Radiator, Enameled. E. Richardson. 1,481,559; Jan. 22.
Radio receiving set, Casing for a. W. M. Finkenaur. Des. 63,823; Jan. 22.
Railway construction. W. G. Lucas. 1,481,612; Jan. 22
Railway-track wrench. L. M. Wentling. 1,481,401; Jan. 22.
Rake attachment. T. F. Lennon. 1,481,379; Jan. 22.
Razor, Power-driven. B. Paratore. 1,481,387; Jan. 22.
Receptacle strip, Multiple-socket. F. W. Wood. 1,481,278; Jan. 22.
Reciprocating movement, Process and device for obtaining a. W. F. Purcell. 1,481,270; Jan. 22.
Records without the aid of heating and cooling mediums, Method and apparatus for pressing disk sound. T. C. Roberts. 1,481,743; Jan. 22.
Recuperator. W. B. Chapman. 1,481,348; Jan. 22.
Reel: *See*—
Film-winding reel. Fishing reel.
Refrigerating system. M. P. Osbourn. 1,481,386; Jan. 22.
Refrigerator. L. A. Banta. Des. 63,814; Jan. 22.
Register: *See*—
Autographic register.
Replanter. R. W. Crossman and L. Maschek. 1,481,457; Jan. 22.
Reversing mechanism. A. M. Goodwin. 1,481,706; Jan. 22.
Rim, Demountable. T. Dootson. 1,481,695; Jan. 22.
Ring: *See*—
Piston ring.
Riveter, Combination. F. A. Jimerson. 1,481,642; Jan. 22.
Riveting device. H. Junkers. 1,481,290; Jan. 22.
Riveting machine, Automatic. F. J. Greene. 1,481,549; Jan. 22.
Rivets, Apparatus for cutting and heading. A. Heck. 1,481,710; Jan. 22.
Road machine. J. B. Jarmin. 1,481,287; Jan. 22.
Roller: *See*—
Wash-line roller.
Roofing. Manufacture of asphalt. F. C. Overbury. 1,481,430; Jan. 22.
Rubber and producing same, Agent for accelerating vulcanization of. S. J. Peachey. 1,481,482; Jan. 22.
Safety device. W. J. Martin. 1,481,299; Jan. 22.
Saw-carriage headblock. A. C. Dickinson. 1,481,664; Jan. 22.
Saw clamp. P. V. Morgan. 1,481,728; Jan. 22.
Saw mill, Gang-. G. A. Dickie. 1,481,459; Jan. 22.
Saw set. J. L. Allen. 1,481,659; Jan. 22.
Saw set. A. Staubach. 1,481,755; Jan. 22.
Saw, Trimming. C. E. Tannewitz. 1,481,569; Jan. 22.
Scale, Universal pneumatic weighing. D. Guelbaum. 1,481,362; Jan. 22.
Seat construction. E. B. Whitcomb. 1,481,310; Jan. 22.
Selector mechanism. H. C. Einstein. 1,481,507; Jan. 22.
Separator: *See*—
Centrifugal separator. Meal separator.
Electrolytic separator.
Sewing machine. J. Kiewicz. 1,481,514; Jan. 22.
Sewing-machine folder. C. R. Ross. 1,481,329; Jan. 22.
Sewing-machine ruffling mechanism. R. Becker. 1,481,340; Jan. 22.
Sharpener, Disk. J. H. Neuman. 1,481,621; Jan. 22.
Sheet-folding machine. P. J. Christman, jr., and J. Deloye. 1,481,252; Jan. 22.
Shelf, Foldable. W. Kaufert. 1,481,264; Jan. 22.
Shingle. J. A. MacAllister and E. F. Stockum. 1,481,670; Jan. 22.
Ship-unloading apparatus. F. P. Huckins. 1,481,712; Jan. 22.
Ships, aircraft, and motor road vehicles, Hull or body construction of. G. Green. 1,481,707; Jan. 22.
Shotgun, Air. W. Paul. 1,481,526; Jan. 22.
Shovel handle. L. E. Webster. 1,481,575; Jan. 22.
Sifter, Flour. H. Nakagawa. 1,481,429; Jan. 22.
Sign. H. C. Forbes and P. E. Sherrill. 1,481,703; Jan. 22.
Signal: *See*—
Automobile signal. Crossing signal.
Signaling system. F. R. Lack and P. B. Murphy. 1,481,324; Jan. 22.
Sled. W. Maki. 1,481,520; Jan. 22.
Slip. G. F. Le Bus. 1,481,378; Jan. 22.
Snap fasteners, Screw stud for. P. de F. Warner. 1,481,784; Jan. 22.
Soap and the like, Method of and apparatus for cutting. J. R. Cove. 1,481,416; Jan. 22.
Soap, Apparatus for producing curled flaked. J. R. Cove. 1,481,417; Jan. 22.
Socket, Stake. H. E. Martin. 1,481,721; Jan. 22.
Sound amplifier. A. A. Thomas. 1,481,634; Jan. 22.
Speed indicator, Ground. H. O. Russell and C. L. Paulus. 1,481,391; Jan. 22.
Spoon or similar article. A. L. Barney. Des. 63,815; Jan. 22.
Spoon or similar article. W. F. Mowry. Des. 63,832; Jan. 22.
Sprayer, Liquid-fuel. A. Forster. 1,481,507; Jan. 22.
Spring structure. R. J. Macnair. 1,481,298; Jan. 22.
Stacker. W. A. Minnear. 1,481,724; Jan. 22.
Stand: *See*—
Mill-roll stand. Switch stand.
Steam trap. T. J. Cookson. 1,481,662; Jan. 22.
Steel-wool holder. E. C. Reimer. 1,481,303; Jan. 22.
Steering wheel. C. W. Beck. 1,481,530–4; Jan. 22.
Steering-wheel lock. H. D. Steinmark. 1,481,276; Jan. 22.
Stool and chair, Folding. W. E. Marsh. 1,481,521; Jan. 22.
Stop signal and tail-light lens. F. Frinca and H. Wolf. Des. 63,824; Jan. 22.
Stopper and making same, Porous. M. F. Crass. 1,481,505; Jan. 22.
Stove. J. Gaughan. 1,481,590; Jan. 22.
Stove, Electric. C. H. Cook and H. J. and C. E. Lewis. 1,481,602; Jan. 22.
Stove frame. T. E. Taylor. 1,481,633; Jan. 22.
Strainer, Vegetable or fruit. E. A. Beach. 1,481,660; Jan. 22.
Sweater. R. H. Detert. 1,481,636; Jan. 22.
Swing. W. R. Paxson. 1,481,734; Jan. 22.
Switch: *See*—
Electric switch. Trolley switch.
Fly switch.
Switch stand. A. M. Cornell. 1,481,589; Jan. 22.
Talking machine. C. Scrabic. 1,481,749; Jan. 22.
Talking-machine cabinet. G. E. Roedding. Des. 63,836; Jan. 22.
Talking-machines, Continuous player for. A. C. Balson. 1,481,406; Jan. 22.
Tank cap or stopper, Safety. H. J. Sevigny. 1,481,750;
Taximeters and speedometers, Driving means for. J. F. Ohmer, jr., and F. Gray. 1,481,268; Jan. 22.
Telephone system, Automatic. B. D. Willis and A. J. Ray. 1,481,577; Jan. 22.
Telephone system, Measured service. T. G. Martin. 1,481,614; Jan. 22.
Telephone systems, Wire-chief's test circuits for. W. A. Benson. 1,481,586; Jan. 22.
Tennis court and other line marker. F. K. Chisholm. 1,481,504; Jan. 22.
Textile rovings, Drawing mechanism for. F. Casablancas. 1,481,689; Jan. 22.
Thrashing machine. E. F. Russell and R. B. Lamme. 1,481,436; Jan. 22.
Throttle control. W. J. Spiro. 1,481,753; Jan. 22.
Tie plate. L. M. Wentling. 1,481,766; Jan. 22.
Tie-tamper front-end construction. F. A. Jimerson. 1,481,641; Jan. 22.
Tile, Hollow building. E. J. Beinecke. 1,481,249; Jan. 22.
Time recorder. T. J. Watson. 1,481,574; Jan. 22.
Tire. N. L. Tobin. 1,481,488; Jan. 22.
Tire alarm. O. H. Thomas. 1,481,654; Jan. 22.

Tire-chain fastener and tightener. J. W. Osborn. 1,481,623; Jan. 22.
Tire chains, Pull-out device for. A. F. Toffey. 1,481,570; Jan. 22.
Tire, Nonskid. O. Ihlen. 1,481,668; Jan. 22.
Tire tread. R. T. Griffiths. Des. 63,827; Jan. 22.
Tire tread. A. Silvent. 1,481,440; Jan. 22.
Tong, Double-acting. J. D. Nixon. 1,481,653; Jan. 22.
Tool front-end construction, Percussive. F. A. Jimerson. 1,481,643; Jan. 22.
Torch, Welding. J. B. Burdett. 1,481,535; Jan. 22.
Towel rack or like fixture. E. G. Oakley. 1,481,730; Jan. 22.
Toy construction. J. J. Murphy. 1,481,650; Jan. 22.
Toy, Figure wheeled. G. H. Fletcher and F. L. Morgan. 1,481,596; Jan. 22.
Toy house. F. C. Mouthouse. Des. 63,831; Jan. 22.
Toy, Magnetic. T. Dois. 1,481,256; Jan. 22.
Toy vehicle. A. C. Gilbert. 1,481,704; Jan. 22.
Toy vehicle. W. J. Trahant. 1,481,656; Jan. 22.
Tractor power lift. E. H. Daniel. 1,481,283; Jan. 22.
Tractor drawbar, Adjustable. C. H. and C. J. Sellars. 1,481,565; Jan. 22.
Tractors, Trailer attachment for. C. Hull. 1,481,262; Jan. 22.
Trailer traction hitch. J. H. Klein. 1,481,376; Jan. 22.
Transit. P. B. Anderson. 1,481,672; Jan. 22.
Trap: *See*—
Steam trap.
Trap. B. J. Ray. 1,481,740; Jan. 22.
Tree pedestal, Adjustable. F. E. Juth. 1,481,468; Jan. 22.
Trimmer: *See*—
Lawn trimmer.
Trolley switch. C. B. Jenkins. 1,481,715; Jan. 22.
Trolley wheel and support. S. K. and S. K. Paige, jr. 1,481,732; Jan. 22.
Trolley-wire guard. O. W. Creech. 1,481,693; Jan. 22.
Trouser supporter, Invisible. C. J. Winter. 1,481,770; Jan. 22.
Truck, Dumping. L. Crooke. 1,481,538; Jan. 22.
Truck, Industrial. C. E. Cochran. 1,481,351; Jan. 22.
Truck snow-loading device. A. F. A. Schmitt. 1,481,438; Jan. 22.
Tube: *See*—
Electric discharge tube. Film-developing tube.
Turbine. A. T. Kasley. 1,481,321; Jan. 22.
Turbine, Chain. A. Tritchleni. 1,481,397; Jan. 22.
Typewriter fastener. F. B. Ternes. 1,481,396; Jan. 22.
Typewriter machines, Envelope feeder for. H. L. Wood. 1,481,494; Jan. 22.
Typewriting machine. S. Collins. 1,481,352; Jan. 22.
Typewriting machines, Machine for feeding envelopes to. G. T. Trundle, jr. 1,481,489; Jan. 22.
Undergarments, Concealed stitched collaret for. R. R. Hughes, jr. 1,481,371; Jan. 22.
Urn, Coffee. E. Ney. 1,481,384; Jan. 22.
Valve. E. H. Davis. 1,481,663; Jan. 22.
Valve. P. Wertz. 1,481,576; Jan. 22.
Valve, Float. A. B. Schier. 1,481,563; Jan. 22.
Valve grinder. E. G. Smith. 1,481,568; Jan. 22.
Valve handle. C. S. Kellum. 1,481,323; Jan. 22.
Valve mechanism for automatic train-control apparatus. R. L. Miller. 1,481,616; Jan. 22.
Vanity box. N. Kaplan and D. Pollack. 1,481,511; Jan. 22.
Vanity case and ladies' hand bag. J. Ritter. Des. 63,835; Jan. 22.
Variocoupler. E. G. Danielson. 1,481,694; Jan. 22.
Varnish. J. W. Snape. 1,481,485; Jan. 22.
Vehicle body construction, Convertible. J. Eke. 1,481,542; Jan. 22.
Vehicle lock. G. A. Carney. 1,481,537; Jan. 22.
Vehicle springs, Spring spreader for. G. L. E. Klingbeil. 1,481,609; Jan. 22.
Vehicle wheel. A. M. Causse. 1,481,690; Jan. 22.
Vehicle wheel. J. L. Cohen. 1,481,253; Jan. 22.
Vehicle wheel. C. A. Witter. 1,481,579; Jan. 22.
Vehicles, Foot accelerator for motor. H. J. Williams. 1,481,769; Jan. 22.
Vehicles, Motor mounting and driving connection for motor. J. A. Anglada. 1,481,405; Jan. 22.
Vehicles, Power transmission for. A. W. Hunz. 1,481,423; Jan. 22.
Ventilator. W. E. Wine. 1,481,658; Jan. 22.
Viscous substances and making same, Transporting conduit for. H. A. Cumfer. 1,481,255; Jan. 22.
Washer. H. P. Kraft. 1,481,515; Jan. 22.
Washing machine. A. E. Hall. 1,481,550; Jan. 22.
Washing machine heater. J. A. Bried. 1,481,409; Jan. 22.
Washline, Roller. J. Betz. 1,481,497; Jan. 22.
Water-color prints, Making. L. E. Kelly. 1,481,647; Jan. 22.
Water heater for stoves. W. J. Elliott. 1,481,665; Jan. 22.
Water lift, Pneumatic. L. E. Morrison. 1,481,619; Jan. 22.
Watch crystals, Means for setting nonbreakable. J. Gottlieb. 1,481,667; Jan. 22.
Weighing machine. J. J. Cole. 1,481,282; Jan. 22.
Wells, Apparatus for melting paraffin and base sediment in oil. H. S. Rankin. 1,481,624; Jan. 22.
Wheel: *See*—
Steering wheel. Vehicle wheel.
Wheel. H. F. Rieske. 1,481,484; Jan. 22.
Wheel construction. R. Huff. 1,481,370; Jan. 22.
Wheels, Advertising device for vehicle. H. G. Hall. 1,481,363; Jan. 22.
Wick. L. R. Howard. 1,481,608; Jan. 22.
Window lock. D. W. McKinnis. 1,481,775; Jan. 22.
Windshield attachment. J. H. Vineberg and J. Presner. 1,481,491; Jan. 22.
Windshield curtain, Safety. W. F. Gongaware. 1,481,548; Jan. 22.
Wire rope. E. H. Parker. 1,481,388; Jan. 22.
Wire-splicing tool. B. O. Repass. 1,481,432; Jan. 22.
Wire stretcher. A. J. King. 1,481,424; Jan. 22.
Wireless telegraphy and telephony, Adjusting device applicable to dial-controlled instruments for. W. N. Justice. 1,481,669; Jan. 22.
Wood, Finishing. F. Koperski. 1,481,610; Jan. 22.
Wrench: *See*—
Railway-track wrench.
Wrench. G. J. Bohn and F. W. Werner. 1,481,250; Jan. 22.
Wrench. W. H. Wiegert. 1,481,767; Jan. 22.
Wringer. R. Selquist. 1,481,566; Jan. 22.
Wringing machine. W. V. Orr. 1,481,481; Jan. 22.
Yeast compound and making same. T. J. Allen. 1,481,671; Jan. 22.
Yieldable gate. J. P. Francis. 1,481,666; Jan. 22.
Zinc, Electrothermic production of. F. Tharaldsen. 1,481,761; Jan. 22.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 22, 1924.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Laboratories, Chicago, Ill. Arsphenamine and neoarsphenamine. 178,801; Jan. 29; Serial No. 177,889; published Aug. 28, 1923.
Abendroth, Dr. Frans, Medical Company, Indianapolis, Ind. Pastils for treatment of congestion of the womb, ulceration, etc. 178,901; Jan. 29.
Abraham & Straus, Inc., New York, N. Y. Suit coats and overcoats. 178,914; Jan. 29.
American Sheet & Tin Plate Company, Pittsburgh, Pa. Sheets and plates of steel and iron. 178,851; Jan. 29; Serial No. 115,040; published Feb. 10, 1920.
American Sheet & Tin Plate Company. (See Tennessee Coal, Iron & Railroad Company, assignor.)
American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Ginghams in the piece. 178,941; Jan. 29.
American Writing Paper Company, Holyoke, Mass. Printing and book paper. 178,913; Jan. 29.
American Writing Paper Company, Holyoke, Mass. Writing and printing papers. 178,980; Jan. 29.
Amherst Knitting Mills Inc., New York, N. Y. Silk, mohair, camel hair, etc., yarns. 178,921; Jan. 29.
Amos-James Grocer Co., The, St. Louis, Mo. Canned vegetables, fruits, berries, fish, etc. 178,847; Jan. 29; Serial No. 176,151; published Nov. 6, 1923.
Anglo-American Mill Company. (See Sandefur, Charles O., assignor.)
Anoakia Breeding Farm. (See Baldwin, Anita M.)
Arlington Refrigerator Co., Inc., Arlington, Vt. Refrigerators. 178,952; Jan. 29.
Atchley, Harrison F., Stockton, Calif. Ointment or salve. 178,843; Jan. 29; Serial No. 179,847; published Nov. 13, 1923.
Atkinson, Frederick C., doing business as Knighthood Flour and Cereal Co., Indianapolis, Ind. Wheat flour. 178,854; Jan. 29; Serial No. 180,462; published Oct. 30, 1923.
Atlas Furniture Company, Jamestown, N. Y. Sofas, dressers, tables, etc. 178,860; Jan. 29; Serial No. 175,050; published Oct. 9, 1923.
Aunt Jemima Mills Company, St. Joseph, Mo. Dolls. 178,955; Jan. 29.
Austin Publishing Company, Chicago, Ill. Weekly publication. 178,822; Jan. 29; Serial No. 184,809; published Nov. 6, 1923.
Babcock, A. P., Co., New York, N. Y. Perfume. 178,794; Jan. 29; Serial No. 183,246; published Nov. 13, 1923.
Baldwin, Anita M., doing business as Anoakia Breeding Farm, Santa Anita, Calif. Cattle, swine, and butter. 178,922; Jan. 29.
Ballew, Elmer L., Chicago, Ill. Foods. 178,855; Jan. 29; Serial No. 177,761; published Nov. 6, 1923.
Bankers Supply Co., The, Denver, Colo., and Chicago, Ill. Publications issued weekly. 178,897; Jan. 29; Serial No. 183,687; published Nov. 6, 1923.
Barnard, Paul J., doing business as Paul Jackson Barnard Company. Toys. 178,878; Jan. 29; Serial No. 184,582; published Nov. 6, 1923.
Barnard, Paul J., doing business as Paul Jackson Barnard Company, Los Angeles, Calif. Toys. 178,882; Jan. 29; Serial No. 184,581; published Nov. 6, 1923.
Barron, Anderson Co., Boston, Mass. Men's suits and overcoats. 178,824; Jan. 29; Serial No. 184,708; published Nov. 6, 1923.
Baur, O. P., Coff. Co., The, Denver, Colo. Candy, cakes, shelled nuts, and sandwiches. 178,828; Jan. 29; Serial No. 171,723; published Oct. 30, 1223.
Beyer-Frey Chemical Company, Inc., Lancaster, Pa. Preparations for exterminating insects. 178,790; Jan. 29; Serial No. 82,083; published Nov. 6, 1923.
Bird, Harry S., Newark, N. J. Parlor game. 178,894; Jan. 29; Serial No. 183,688; published Nov. 6, 1923.
Blackmer Rotary Pump Co., Petoskey, Mich. Rotary pumps and parts thereof. 178,936; Jan. 29.
Block, Frank E., Company, Atlanta, Ga. Cakes and crackers. 178,908; Jan. 29.
Block, Frank E., Company, Atlanta, Ga. Candies. 178,971; Jan. 29.
Blocki, John, & Son, Inc., Chicago, Ill. Perfumes. 178,849; Jan. 29; Serial No. 175,062; published Nov. 13, 1923.
Booth, F. E., Co., San Francisco, Calif. Canned fruits. 178,816; Jan. 29; Serial No. 184,811; published Nov. 6, 1923.
Booth, F. E., Co., San Francisco, Calif. Canned fish. 178,819; Jan. 29; Serial No. 185,103; published Nov. 6, 1923.
Bowman, Charles R., doing business as Fairfield Farms Dairy, Baltimore, Md. Milk, cream, butter, buttermilk, etc. 178,966; Jan. 29.
Breakstone Bros., Inc., New York, N. Y. Cream cheese. 178,782; Jan. 29; Serial No. 180,958; published Oct. 30, 1923.

Brown, Calvin, Onawa, Iowa. Worm remedy for swine. 178,943; Jan. 29.
Brown, George K., Company, Inc., Chattanooga, Tenn. Candy. 178,817; Jan. 29; Serial No. 184,812; published Nov. 6, 1923.
Bumble Bee Specialty Co. (See Garcia, Joaquin.)
Busse, George A., Chicago, Ill. Salve or ointment. 178,945; Jan. 29.
Busy Bee Candy Company, St. Louis, Mo. Chocolates. 178,810; Jan. 29; Serial No. 182,233; published Nov. 6, 1923.
Butchart, Cuthbert S., Company, Inc., Rye, N. Y. Golf balls. 178,826; Jan. 29; Serial No. 168,454; published Nov. 6, 1923.
C. Y. Rubber Company. (See Yeagle, Curwen S.)
Caldwell, William, doing business as Rex Rubber & Novelty Co., New York, N. Y. Rubber balloons, rubber dolls, and squawkers. 178,893; Jan. 29; Serial No. 184,063; published Nov. 6, 1923.
Calico Printers' Association, Limited, The, Manchester, England. Cotton piece goods. 178,870; Jan. 29; Serial No. 184,934; published Nov. 6, 1923.
California Peach & Fig Growers, Fresno, Calif. Dried peaches and figs. 178,846; Jan. 29; Serial No. 177,827; published Nov. 6, 1923.
California Peach & Fig Growers, Fresno, Calif. Dried-fruit product. 178,946; Jan. 29.
Caminati, John A., doing business as J. A. C. Cheese Manufacturing Co., Chicago, Ill. Cheese, French dressing, mayonnaise, and Thousand Island dressing. 178,799; Jan. 29; Serial No. 179,259; published Oct. 30, 1923.
Capital City Milling & Grain Co., St. Paul, Minn. Wheat flour and stock feeds. 178,861; Jan. 29; Serial No. 175,845; published Nov. 6, 1923.
Carter, John H., Cohoes, N. Y. Toothbrushes. 178,976; Jan. 29.
Chicago Automobile Trade Association, Chicago, Ill. Periodical publications. 178,865; Jan. 29; Serial No. 180,523; published Oct. 30, 1923.
Climax Rubber Co. (See Stein, Jacob.)
Closure Service Company, The. (See Closure Service Corporation, assignor.)
Closure Service Corporation, Brooklyn, N. Y., assignor to The Closure Service Company, Toledo, Ohio. Metal caps for bottles and jars. 178,786; Jan. 29; Serial No. 181,248; published Oct. 23, 1923.
Clow, Wm., & Son, Inc., Laconia, N. H. Hosiery, sweaters, sweater coats, undershirts, etc. 178,963; Jan. 29.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 178,951; Jan. 29.
Cron and Dehn, Inc. (See Hodgson and Company Limited.)
Dailey Produce Co. Inc., Brockport, N. Y. Apples. 178,812; Jan. 29; Serial No. 182,737; published Nov. 6, 1923.
Dasey Manufacturing Company, Los Angeles, Calif. Metal flower holders. 178,862; Jan. 29; Serial No. 176,255; published Nov. 6, 1923.
Donemar Incorporated, New York, N. Y. Stockings. 178,885; Jan. 29; Serial No. 184,542; published Nov. 6, 1923.
Downtown Surgery, Inc., Minneapolis, Minn. Gauze. 178,917–8; Jan. 29.
Dwelle-Kaiser Co., The, Buffalo, N. Y. Window glass. 178,831; Jan. 29; Serial No. 169,628; published Nov. 6, 1923.
Easy Auto Gloss Manufacturing Co. (See Wakeland, Charles.)
Ebrey Chemical Works, New York, N. Y. Medicines for gallstones, etc., laxative pills, etc. 178,795; Jan. 29; Serial No. 180,057; published Nov. 6, 1923.
Eddy, D., & Sons, assignor to D. Eddy and Sons Company, Boston, Mass. Refrigerators. 24,325; renewed Mar. 6, 1924.
El Comercio Publishing Corporation, New York, N. Y. Monthly magazine. 178,884; Jan. 29; Serial No. 184,544; published Nov. 6, 1923.
Enterprise Mfg. Company, The, Akron, Ohio. Fishing reels. 178,898–900; Jan. 29.
Ever-Charge Battery Mfg. Co. (See Spetz, Frank F.)
Fairfield Farms Dairy. (See Bowman, Charles R.)
Fajans, Caroline R., New York, N. Y. Face powder, nourishing cream, rouges, etc. 178,787; Jan. 29; Serial No. 181,825; published Nov. 6, 1923.
Farmakes, George, Neenah, Wis. Candy. 178,808; Jan. 29; Serial No. 180,113; published Nov. 6, 1923.
Field, James, Company, Rochester, N. Y. Camping tents. 178,965; Jan. 29.
Filene's, Wm., Sons Company, Boston, Mass. Beads, thimbles, napkin rings, combs, etc. 178,956; Jan. 29.

Finery Hosiery Corporation, New York, N. Y. Hosiery. 178,856; Jan. 29; Serial No. 177,434; published July 24, 1923.
Freihofer Baking Company, Philadelphia, Pa. Cake. 178,797–8; Jan. 29; Serial No. 179,787–8; published Oct. 30, 1923.
Frontier Elevator & Mill Company, Buffalo, N. Y. Wheat flour. 178,802; Jan. 29; Serial No. 177,730; published Aug. 21, 1923.
Garcia, Joaquin, doing business as Bumble Bee Specialty Co., New York, N. Y. Toy buzzer. 178,895; Jan. 29; Serial No. 183,566; published Nov. 6, 1923.
Gastineau, Fernand, Paris, France. Hosiery. 178,932; Jan. 29.
Gerber & Co., A. G., Thoune, Switzerland. Cheese. 178,867; Jan. 29; Serial No. 182,580; published Nov. 6, 1923.
Gillinder Brothers, Port Jervis, N. Y. Illuminating glassware globes. 178,926; Jan. 29.
Gisholt Machine Company, Madison, Wis. Lathes. 178,803; Jan. 29; Serial No. 177,482; published June 12, 1923.
Glacier Deposit Laboratories, Inc., Springfield, Minn. Complexion clay. 178,898; Jan. 29; Serial No. 182,050; published Nov. 13, 1923.
Godfrey, Charles L., Corona, N. Y. Tennis racket. 178,890; Jan. 29; Serial No. 184,242; published Nov. 6, 1923.
Goodlett, R. F., Tupelo, Miss. Outdoor games. 178,889; Jan. 29; Serial No. 184,338; published Nov. 6, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Zinc oxide. 178,833; Jan. 29; Serial No. 163,976; published Nov. 13, 1923.
Guthman, Solomons & Co., Inc., New York, N. Y. Beads. 178,896; Jan. 29; Serial No. 183,379; published Oct. 30, 1923.
H & W Company, The, Newark, N. J. Brassières. 178,925; Jan. 29.
H. K. H. Silk Co., The, Watertown, Conn. Pure and artificial silk threads. 178,915; Jan. 29.
Hagerstown Dairy Company, Hagerstown, Md. Fresh milk and cream. 178,864; Jan. 29; Serial No. 180,598; published Nov. 6, 1923.
Hale Bros., Inc., San Francisco, Calif. Towels, sheets, pillowcases, etc. 178,876; Jan. 29; Serial No. 185,019; published Nov. 6, 1923.
Hall Baking Co., Buffalo, N. Y. Bread. 178,781; Jan. 29; Serial No. 180,861; published Oct. 30, 1923.
Hanlon & Goodman Company, New York, N. Y. Paint, varnish, and calcimine brushes. 178,979; Jan. 29.
Har-De Mfg. Co., Philadelphia, Pa. Laxative cold capsules. 178,904; Jan. 29.
Harrison, Frank E., Chicago, Ill. File salve. 178,800; Jan. 29; Serial No. 178,843; published Nov. 6, 1923.
Heller, B., & Company, Chicago, Ill. Insecticide and chemical preparations, food colors, etc. 178,924; Jan. 29.
Heller, Elias E., doing business as Heller Drug Company, Baltimore, Md. Liniment. 178,848; Jan. 29; Serial No. 175,987; published Nov. 13, 1923.
Herman, Isador, New York, N. Y. Women's lisle-topped stockings made of silk. 178,953; Jan. 29.
Hillsdale Baking Company, Hillsdale, Mich. Whole-wheat bread. 178,844; Jan. 29; Serial No. 179,534; published Nov. 6, 1923.
Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Canned salmon. 178,796; Jan. 29; Serial No. 180,005; published Oct. 30, 1923.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables, dried fruit and canned fish. 178,947; Jan. 29.
International Milling Company, Minneapolis, Minn. Stock and chicken feeds. 178,804; Jan. 29; Serial No. 176,408; published Oct. 30, 1923.
International Shoe Company, doing business as Peters Shoe Company, St. Louis, Mo. Men's leather shoes. 178,906; Jan. 29.
International Shoe Company, doing business as Roberts, Johnson & Rand Company, St. Louis, Mo. Shoes of leather. 178,910–11; Jan. 29.
International Shoe Company, St. Louis, Mo. Children's shoes of leather. 178,929; Jan. 29.
Interstate Shade Cloth Co., Hoboken, N. J. Shade cloth of sized and painted fabric. 178,879; Jan. 29; Serial No. 184,613; published Nov. 6, 1923.
J. A. C. Cheese Manufacturing Co. (See Caminati, John A.)
Jacqueline Frères Limited, London, England. Powder puffs. 178,827; Jan. 29; Serial No. 166,493; published Nov. 6, 1923.
Jarmin, James B., Spokane, Wash. Road graders. 178,930–1; Jan. 29.
Kala Company, The. (See Lowe, Willis H.)
Karp, Joseph H., New York, N. Y. Bleaches, skin lotion, hair dye, etc. 178,944; Jan. 29.
Katzenberg, A. S., & Bro., Baltimore, Md. Aprons and frocks. 178,877; Jan. 29; Serial No. 185,022; published Nov. 6, 1923.
Kerr Chickeries Incorporated, The, Frenchtown, N. J. Eggs. 178,842; Jan. 29; Serial No. 178,851; published Oct. 30, 1923.
Kirkpatrick, John, Richland Center, Wis. Cheese. 178,830; Jan. 29; Serial No. 172,600; published Nov. 6, 1923.
Klauser, Arthur O., doing business as Von Kapff Inhaler Co., Toledo, Ohio. Medicines for respiratory passages. 178,981; Jan. 29.
Klin, Urban A., doing business as Klin Bros. Golf Mfg. Co., Homewood, Ill. Golf clubs. 178,886; Jan. 29; Serial No. 184,504; published Nov. 6, 1923.
Knighthood Flour and Cereal Co. (See Atkinson, Frederick C.)
Kuhn, Harry D., doing business as H. Dale Kuhn; H. Dale Kuhn Manufacturing Pharmacist; Kuhn Drug Company; and H. Dale Kuhn Laboratory, Shelby, Ohio. Epsom-salts pills. 178,779; Jan. 29; Serial No. 181,999; published Nov. 6, 1923.
Langner, Solomon, New York, N. Y. Coconut fats for food purposes. 178,811; Jan. 29; Serial No. 182,349; published Nov. 6, 1923.
Lee, Geo. H., Co., Omaha, Nebr. Dip for cattle, sheep, and hogs; antiseptics, etc. 178,957; Jan. 29.
Lillie Mill Company, Franklin, Tenn. Self-rising flour. 178,874; Jan. 29; Serial No. 182,757; published Nov. 6, 1923.
Lindemann, Adolf D., & Son, New York, N. Y. Sachet, face powder, lip stick, and rouge. 178,942; Jan. 29.
Lindsay Co-Operative Citrus Association, Lindsay, Calif. Fresh citrous fruits and fresh grapes. 178,916; Jan. 29.
Louisville Grocery Co., Louisville, Ky. Canned fruits, vegetables, and fish, rice, macaroni, etc. 178,778; Jan. 29; Serial No. 180,870; published Nov. 6, 1923.
Lowe, Willis H., doing business as The Kala Company, Cambridge, Mass. Beauty clays. 178,853; Jan. 29; Serial No. 180,135; published Nov. 13, 1923.
Lumen Bearing Company, Buffalo, N. Y. Bearing metal. 178,927; Jan. 29.
Lurie Manufacturing Company, Chicago, Ill. Boy's overalls. 178,933; Jan. 29.
McAdoo, John A., Charlotte, N. C. Cigars, cheroots, stogies, and little cigars. 178,954; Jan. 29.
McKnight, Earl, Pittsburgh, Pa. Candy and confections. 178,814; Jan. 29; Serial No. 183,714; published Nov. 6, 1923.
Maggioros & Rousos, Rochester, N. Y. Oil or mayonnaise and salads. 178,807; Jan. 29; Serial No. 180,075; published Nov. 16, 1923.
Magnesia-Lax Company, Newark, N. J. Remedy for the relief of constipation, etc. 178,908; Jan. 29.
Marinello Company, La Crosse, Wis. Rouge and face powder. 178,792; Jan. 29; Serial No. 182,426; published Nov. 6, 1923.
Marinello Company, La Crosse, Wis. Preparation to be used in connection with shampooing hair. 178,969; Jan. 29.
Mei Ren Company, Inc., Shanghai, China. Games. 178,883; Jan. 29; Serial No. 184,557; published Nov. 6, 1923.
Midland Flour Milling Co., The, Kansas City, Mo. Wheat flour. 178,866; Jan. 29; Serial No. 180,483; published Nov. 6, 1923.
Midwest Varnish Company, Chicago, Ill. Size and japans. 178,949; Jan. 29.
Miller, H. H., Industries Company, The, Canton, Ohio. Bottle filling and capping machines and dairy machinery. 178,813; Jan. 29; Serial No. 182,983; published Nov. 6, 1923.
Mittelman, I., & Co., New York, N. Y. Dresses. 178,974; Jan. 29.
Monge, R., Seville, Spain. Dried fruits. 178,937; Jan. 29.
Monge, R., Seville, Spain. Dried fruits. 178,938; Jan. 29.
Monroe Shirt Company, New York, N. Y. Dress, negligee, and work shirts. 178,958; Jan. 29.
Muffin Makin's Co. Inc., New York, N. Y. Prepared bran muffin flour, whole-wheat muffin flour, etc. 178,912; Jan. 29.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. 178,783; Jan. 29; Serial No. 180,234; published Oct. 30, 1923.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. 178,785; Jan. 29; Serial No. 180,233; published Oct. 30, 1923.
National Food Corporation, The, Pittsburgh, Pa. Malt sirup. 178,970; Jan. 29.
Nebraska Consolidated Mills Company, Grand Island, Nebr. Wheat flour. 178,863; Jan. 29; Serial No. 180,881; published Nov. 6, 1923.
Old Dominion Garment Co., Inc., Lynchburg, Va. Overalls, work shirts, and work pants. 178,940; Jan. 29.
Pabst Corporation, Milwaukee, Wis. General medicinal tonic. 178,789; Jan. 29; Serial No. 182,110; published Nov. 6, 1923.
Packman, Michael, Atlantic City, N. J. Eggs. 178,869; Jan. 29; Serial No. 182,002; published Nov. 6, 1923.
Pan American Petroleum & Transport Company, Wilmington, Del. Gasoline. 178,880; Jan. 29; Serial No. 184,620; published Oct. 23, 1923.
Perfumeria Floralia, S. A., Madrid, Spain. Liquid preparation to offset the odors of perspiration. 178,838; Jan. 29; Serial No. 144,939; published Nov. 6, 1923.
Peters Shoe Company. (See International Shoe Company.)
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 178,982; Jan. 29.
Phillips-Jones Corporation, New York, N. Y. Shirts and parts thereof. 178,907; Jan. 29.
Phillips, Thomas A., Dayton, Ohio. Monthly magazine. 178,892; Jan. 29; Serial No. 184,149; published Nov. 6, 1923.

Photoplay Publishing Company, Chicago, Ill., and New York, N. Y. Monthly publication. 178,857; Jan. 29; Serial No. 177,404; published Nov. 6, 1923.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 178,850; Jan. 29; Serial No. 173,379; published Nov. 6, 1923.
Pioneer Alloy Products Company, Cleveland, Ohio. Metal pipes and metal pipe fittings. 178,837; Jan. 29; Serial No. 139,628; published Nov. 6, 1923.
Pioneer Suspender Company, Philadelphia, Pa. Belt buckles. 178,780; Jan. 29; Serial No. 180,191; published Oct. 16, 1923.
Public Ledger Company, Philadelphia, Pa. Title for cartoons. 178,820–1; Jan. 29; Serial Nos. 184,870–1; published Nov. 6, 1923.
Quick Method Products Co., Los Angeles, Calif. Composition in the form of a paste for grinding metal bearings. 178,983; Jan. 29.
Ravich, I., & Sons, Inc., New York, N. Y. Suspenders. 178,973; Jan. 29.
Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 178,835; Jan. 29; Serial No. 157,535; published May 8, 1923.
Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 178,967; Jan. 29.
Red Star Milling Company, The, Wichita, Kans. Wheat flour, self-rising pancake flour, wheat meal, etc. 178,840; Jan. 29; Serial No. 178,192; published Nov. 6, 1923.
Rex Rubber & Novelty Co. (See Caldwell, William.)
Roberts, Johnson & Rand Company. (See International Shoe Company.)
Ross, Sydney, Co., The, Newark, N. J. Preparations for use in the treatment of colds, grippe, and influenza. 178,961; Jan. 29.
San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 178,920; Jan. 29.
Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensboro, Ky. Cereal scratch and chicken feed for poultry and cereal feed for hogs. 178,784; Jan. 29; Serial No. 180,301; published Oct. 30, 1923.
Sanitol Chemical Laboratory Company (now by change of name The Sanitol Company), St. Louis, Mo., and New York, N. Y. Shaving soap and powder, shaving-soap cream, toilet soap. 178,859; Jan. 29; Serial No. 180,242; published Nov. 6, 1923.
Sanitol Chemical Laboratory Company (now by change of name The Sanitol Company), St. Louis, Mo., and New York, N. Y. Tooth powder and paste, liquid antiseptics, hair tonic, etc. 178,858; Jan. 29; Serial No. 180,258; published Nov. 6, 1923.
Schlorer Delicatessen Co., The, Philadelphia, Pa. Vegetable relish or sandwich filler. 178,793; Jan. 29; Serial No. 183,234; published Oct. 30, 1923.
Scott, George W., doing business as George W. Scott Co., Cleveland, Ohio. Thimbles for curtain rods for the side curtains of automobiles. 178,934; Jan. 29.
Scott Manufacturing Company, Chicago, Ill. Toy sectional collapsible building units. 178,888; Jan. 29; Serial No. 184,366; published Nov. 6, 1923.
Sheldon, Arthur N., jr., Providence, R. I. House organ published quarterly. 178,823; Jan. 29; Serial No. 184,801; published Nov. 6, 1923.
Sierra Pacific Canning Co., San Francisco, Calif. Canned fruits and vegetables. 178,809; Jan. 29; Serial No. 181,915; published Nov. 6, 1923.
Siliers, George, doing business as Siliers Varnish Co., Los Angeles, Calif. House paints, flat white, and house stains. 178,919; Jan. 29.
Singer, Morris, New York, N. Y. Ophthalmic lenses and blanks. 178,972; Jan. 29.
Smith, James H., Turlock, Calif. Fresh cantaloupes, honey dews, and casabas. 178,806; Jan. 29; Serial No. 179,490; published Nov. 6, 1923.
Société Worth, Paris, France. Perfumes. 178,788; Jan. 29; Serial No. 182,070; published Nov. 6, 1923.
Sperry Gyroscope Company, The, Brooklyn, N. Y. Navigating compasses. 178,964; Jan. 29.
Sperry Gyroscope Company, The, Brooklyn, N. Y. Ship stabilizers. 178,978; Jan. 29.
Spets, Frank F., doing business as Ever-Charge Battery Mfg. Co., New York, N. Y. Storage-battery electrolyte. 178,905; Jan. 29.
Standard Corporation, The, Chicago, Ill. Printed publication. 178,875; Jan. 29; Serial No. 185,057; published Nov. 6, 1923.
Stein, Jacob, doing business as Climax Rubber Co., New York, N. Y. Druggists' sundries. 178,950; Jan. 29.
Stern, Bert, Company, The, Toledo, Ohio. Women's waists and dresses. 178,872; Jan. 29; Serial No. 184,931; published Nov. 6, 1923.
Stetson and Ellison Company, Camden, Del. Tomato purée, apple butter, and canned peaches, etc. 178,815; Jan. 29; Serial No. 184,150; published Nov. 6, 1923.
St. Joe Valley Line Co., South Bend, Ind. Fishing lines. 178,887; Jan. 29; Serial No. 184,368; published Nov. 6, 1923.
Strong, Jos., & Co., Terre Haute, Ind. Pancake flour. 178,902; Jan. 29.
Strouse, Adler, & Co., New Haven, Conn. Corsets. 178,939; Jan. 29.
Stuarts & Jacks, Limited, Musselburgh, Scotland. Fishing nets. 178,841; Jan. 29; Serial No. 178,302; published Nov. 6, 1923.
Sun-Maid Raisin Growers, Fresno, Calif. Raisin sirup, mincemeat, canned raisins, etc. 178,829; Jan. 29; Serial No. 172,694; published Nov. 20, 1923.
Swartz, Guy, Upland, Ind. Peanut marmalade. 178,923; Jan. 29.
Synthetic Products Company, The, Cleveland, Ohio. Rubber compounding mixture. 178,903; Jan. 29.
Taunton Pearl Works, Inc., Taunton, Mass. Cuff and collar buttons, scarfpins, brooches, etc. 178,791; Jan. 29; Serial No. 182,387; published Oct. 16, 1923.
Tennessee Coal, Iron & Railroad Company, assignor to American Sheet & Tin Plate Company, Birmingham, Ala. Plain, corrugated, round, square, and flat iron and steel sheets, plates, and bars. 178,852; Jan. 29; Serial No. 114,932; published May 16, 1923.
Thompson Milling Company, Lockport, N. Y. Wheat flour. 178,825; Jan. 29; Serial No. 173,451; published Nov. 6, 1923.
Thuman, Joseph M., Buffalo, N. Y. Children's rompers and playsuits, blouses, and girls' dresses. 178,836; Jan. 29; Serial No. 151,070; published June 6, 1922.
Tucker Duck & Rubber Co., Fort Smith, Ark. Tents, waterproof covers, and paulins. 178,948; Jan. 29.
Ulmann, Bernhard, Co., Inc., New York, N. Y. Instruction books and similar publications relating to art needlework. 178,881; Jan. 29; Serial No. 184,697; published Nov. 6, 1923.
United Cape Cod Cranberry Co., The, South Hanson, Mass. Packing boxes. 178,909; Jan. 29.
Verd Mont Mills Company, The, Ludlow, Vt. Shirting flannel piece goods. 178,928; Jan. 29.
Volt, Richard, Philadelphia, Pa. Bed spreads, pillow shams, and throws. 178,959; Jan. 29.
Von Kapff Inhaler Co. (See Klauser, Arthur O.)
Wabash Cabinet Co., The, Wabash, Ind. House organ published periodically. 178,891; Jan. 29; Serial No. 184,154; published Nov. 6, 1923.
Wakeland, Charles, doing business as Easy Auto Gloss Manufacturing Co., Los Angeles, Calif. Cleaning, polishing, and waxing compound. 178,960; Jan. 29.
Ward Baking Company, New York, N. Y. Bread. 178,845; Jan. 29; Serial No. 179,758; published Nov. 6, 1923.
Watkins, Richard M., doing business as Watkins Hosiery Mills, Chattanooga, Tenn. Ladies' silk hosiery. 178,839; Jan. 29; Serial No. 184,880; published Nov. 6, 1923.
Weber Manufacturing Co., Tampa, Fla. Ladies' and children's aprons. 178,834; Jan. 29; Serial No. 155,791; published Nov. 13, 1923.
Western California Fish Co., San Francisco, Calif. Canned fish. 178,805; Jan. 29; Serial No. 168,394; published Nov. 6, 1923.
White, Harrie W., Cleveland, Ohio. Chewing gum. 178,818; Jan. 29; Serial No. 185,100; published Nov. 6, 1923.
Williams, J. B., Company, The, Glastonbury, Conn. Shaving soap. 24,295; renewed Mar. 6, 1924.
Wilson-Imperial Company, Newark, N. J. Paint and varnish remover. 178,975; Jan. 29.
Wilson, Thos. E., & Co., Chicago, Ill. Golf balls. 178,871; Jan. 29; Serial No. 182,949; published Nov. 6, 1923.
Wilson, Thos. E., & Co., Chicago, Ill. Golf balls. 178,873; Jan. 29; Serial No. 182,948; published Nov. 6, 1923.
Wolfe & Lang, Inc., New York, N. Y. Garters. 178,935; Jan. 29.
Yeagle, Curwen S., doing business as C. Y. Rubber Company, Baltimore, Md. Tube patches. 178,832; Jan. 29; Serial No. 164,287; published Nov. 6, 1923.
Zell, David H., Inc., New York, N. Y. Memorandum-book covers and check-book covers. 178,977; Jan. 29.
Zielman-Warren Co., Inc., New York, N. Y. Blouses. 178,962; Jan. 29.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adirondack Tissue Paper Co., Utica, N. Y. Adirondack. For Toilet Paper. 26,812; Jan. 29.
Ash, A. A., doing business as Form-O-Youth Laboratories, Incorporated, Los Angeles, Calif. Form-O-Youth Reducing Foam. For a Cream Used to Reduce Obesity. 26,813; Jan. 29.
Benjamin & Weil, Inc., New York, N. Y. Chemi-Set. For Undergarments. 26,814; Jan. 29.
Brenner, Israel L., Richmond, Va. Blue Bill. For Flour. 26,815; Jan. 29.
California Laboratories, Inc., Los Angeles, Calif. Olde Homesteade. For Fruit Sirups. 26,816; Jan. 29.

City Baking Company, The, Baltimore, Md. Rice's Pan-Dandy Bread. For Bread. 26,817; Jan. 29.
Clark, Orlando, Minneapolis, Minn. Shapeholder Mattress. For Mattresses. 26,818; Jan. 29.
Columbia Phonograph Company, New York, N. Y. Columbia Test Record. For Phonograph Records. 26,819; Jan. 29.
Crowned Cigar Company, New York, N. Y. La Crownella. For Cigars. 26,820; Jan. 29.
Fenton's, Dr., Miner-o Tone Co., Cedar Rapids, Iowa. Dr. Fenton's Louse Powder. For Louse Powder. 26,821; Jan. 29.
Fenton's, Dr., Miner-o Tone Co., Cedar Rapids, Iowa. Dr. Fenton's Germ Remover. For a Germ Remover. 26,822; Jan. 29.
Form-O-Youth Laboratories, Incorporated. (See Ash, A. A.)
General Butter Corporation, New York, N. Y. Good Morning. For Butter. 26,823; Jan. 29.
Goodyear Rubber Company, Wilkes-Barre, Pa. Goodyear's Gold Medal Self Vulcanizing Tube Repair Kit Test-the-Tensile. For a Vulcanizing Tube-Repair Kit. 26,824; Jan. 29.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Brown Beauty. For Cakes, Fried Cakes, and Cookies. 26,825; Jan. 29.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Fluff Rich. For Cakes, Fried Cakes, and Bread. 26,826; Jan. 29.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. Butter Puff. For Cakes, Fried Cakes, and Cookies. 26,827; Jan. 29.
Grennan Cake Corporation, Detroit, Mich.; Chicago, Ill.; Cleveland, Ohio; Pittsburgh, Pa.; Memphis, Tenn.; Louisville, Ky.; and Milwaukee, Wis. White Mountain. For Cakes, Fried Cakes, and Cookies. 26,828; Jan. 29.
Haley, Leroy M., doing business as Haley Supply Company, Pittsfield, Mass. Haley's Hand Soap. For Soap. 26,829; Jan. 29.
Heger Products Co., The, St. Paul, Minn. Heger's Goitre Treatment. For Medicinal Preparation for Treating Goiters of Dogs. 26,830; Jan. 29.
Kasse, Richard W., Company, The, Cleveland, Ohio. Kasses. For Cakes, Pastries, Baked Goods. 26,831; Jan. 29.
Kelp-O-Dine Company, The, Indianapolis, Ind. Kelp-O-Dine. For a Tonic and Corrective. 26,832; Jan. 29.
Lightning Manufacturing Co., Troy, N. Y. Lightning. For a Polish for Automobiles and Furniture. 26,833; Jan. 29.
Martin Minerals Products Co., Inc., Newark, N. J. Gudskyn. For Medicated Compound for Diseases of the Skin. 26,834; Jan. 29.
Marvelo Chemical Company. (See Nekritz, Julius.)
Mebius & Drescher Co., Sacramento, Calif. Tuberose. For Canned Peaches. 26,835; Jan. 29.
Menasha Printing and Carton Company, Menasha, Wis. Mity-Nice Bread. For Bread. 26,836; Jan. 29.
Menasha Printing and Carton Company, Menasha, Wis. American Beauty Bread. For Bread. 26,837; Jan. 29.
Mifflin Chemical Corporation, Philadelphia, Pa. Mifflin Alkohol Massage. For Alcohol Preparation for Massaging and External Use. 26,838; Jan. 29.
Morrell, John, & Co., Ottumwa, Iowa. Beverly. For Canned Corn. 26,839; Jan. 29.
Morrell, John, & Co., Ottumwa, Iowa. Beverly. For Canned Peas. 26,840; Jan. 29.
Morrell, John, & Co., Ottumwa, Iowa. Beverly. For Canned Tomatoes. 26,841; Jan. 29.
Mussatti, A., doing business as Tama Trading Company, Los Angeles, Calif. Avanti. For Tomato Paste. 26,842; Jan. 29.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Regina. For Pound Cake. 26,843; Jan. 29.
Nekritz, Julius, doing business as Marvelo Chemical Company, Los Angeles, Calif. Marvelo Stove Polish. For Polishing Materials. 26,844; Jan. 29.
Page, Percy E., New York, N. Y. Face Powder. For Face Powders. 26,845; Jan. 29.
Pogm Co. Inc., The, Malden, Mass. Perfection Mayonnaise. For Mayonnaise. 26,846; Jan. 29.
Standard Accessories Corp., New York, N. Y. Filkwik. For Radiator Lock Caps for Automobiles. 26,847; Jan. 29.
Tama Trading Company. (See Mussatti, A.)
Taylor, Lois I., Fairport, N. Y. Taylor's Oil of Life for Man or Beast. For a Liniment Externally and Internally for Human Beings and for Horses and Cattle. 26,848; Jan. 29.
Trostel, Albert O., Milwaukee, Wis. The Leather that Qualifies. For Leather. 26,849; Jan. 29.
Wiley-Bickford-Sweet Co., Worcester, Mass., and Hartford, Conn. Cinderella's Palace. For Felt Slippers. 26,850; Jan. 29.
Wiley-Bickford-Sweet Co., Worcester, Mass., and Hartford, Conn. The Old Woman Who Lived in a Shoe. For Felt Slippers. 26,851; Jan. 29.
Witherspoon, Thomas S., Denver, Colo. Witherspoon's Preparation. For a Preparation for the Teeth and Gums. 26,852; Jan. 29.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Canada Dry Ginger Ale, Inc., New York, N. Y. Canada Dry It's Friendly to the Stomach. For Ginger Ale. 7,132; Jan. 29.
Cluett, Peabody & Co. Inc., Troy, N. Y. Chase—The new Chase fits a cravat (etc). For Collars. 7,133; Jan. 29.
Cream of Wheat, Minneapolis, Minn. His one great morning need—and yours. For Wheat Breakfast Food. 7,134; Jan. 29.
Cream of Wheat Co., Minneapolis, Minn. Well Fortified. For Wheat Breakfast Food. 7,135; Jan. 29.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. 3 Paint Prescriptions for Rot Decay and Rust. For Paint. 7,136; Jan. 29.
Goodyear Rubber Company, Wilkes-Barre, Pa. Goodyear's Gold Medal Self Vulcanising Patch. For a Vulcanising Tube-Repair Kit. 7,137; Jan. 29.
Heger Products Co., The, St. Paul, Minn. What Your Dog Needs. For Dog Foods and Dog Remedies. 7,138; Jan. 29.
Karp, Joseph H., New York, N. Y. J. Henry Karp Manufacturing Chemist. For Hair Preparations. 7,139; Jan. 29.
Madder, William B., Indianapolis, Ind. The Duplex Rug and Embroidery Machine. For A Rug and Embroidery Machine. 7,140; Jan. 29.
"Onyx" Hosiery, Inc., New York, N. Y. How many women do you know who have too many silk stockings? For Hosiery. 7,141; Jan. 29.
Ott, Daniel, Windber, Pa. Shade Valley Candy Co. For Candies. 7,142; Jan. 29.
Richards, James E., Company, The, Dayton, Ohio. Lot 84, Office Coat. For White Duck Clothing. 7,143; Jan. 29.
Tri-Tility Advertising Company. (See Wilkinson, Clarence M.)
Tung Foon Co., San Francisco, Calif. Tung Foon. For Counters for the Game of Mah Jongg and the like. 7,144; Jan. 29.
Tyler, M. H., Manufacturing Co., Muncie, Ind. Queen Of The Kitchen. For Combined Chopping and Crushing Utensil. 7,145; Jan. 29.
Ward, James E., Springfield, Ohio. Band and Orchestra Instruments. For Musical Instruments and Supplies. 7,146; Jan. 29.
Ward, James E., Springfield, Ohio. Gifts that Last. For Jewelry, Watches, and Clocks. 7,147; Jan. 29.
Ward, James E., Springfield, Ohio. You Will Keep an Even Temperature. For Flour. 7,148; Jan. 29.
Wilkinson, Clarence M., doing business as Tri-Tility Advertising Company, Cleveland, Ohio. Mechanically Better! For Automobiles. 7,149; Jan. 29.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abegg & Reinhold Co. Inc., Los Angeles, Calif. Metal working and woodworking tools, oil-well tools. 188,876; Jan. 29.
Allert, Cornelius, Ritzville, Wash. Seed treaters. 185,069; Jan. 29.
American Dance Publishing House, The. (See Goodfellow, W. E.)
American Druggists Syndicate, Long Island City, N. Y. Perfumes, toilet waters, face creams, etc. 187,868; Jan. 29.
American Druggists Syndicate, Long Island City, N. Y. Perfumes, toilet waters, face creams, etc. 187,870; Jan. 29.
American Phonophor Corporation, New York, N. Y. Earphones for the use of persons with defective hearing. 175,420; Jan. 29.
American Safety Razor Corporation, Brooklyn, N. Y. Safety-razor sets. 189,295; Jan. 29.
Arnold, F. R., & Co., New York, N. Y. Face powders, rouges, eyebrow crayons, lip sticks, etc. 188,038; Jan. 29.
Ballard, James F., Incorporated, St. Louis, Mo. Preparation for the treatment of biliousness, flatulence, etc. 188,401; Jan. 29.
Barron-Gray Packing Co., San Jose, Calif. Canned fruits and vegetables. 184,631; Jan. 29.
Beatrice Creamery Company, Chicago, Ill. Frosen eggs. 187,079; Jan. 29.
Bechtol, Archie H., doing business as Southern Confection Company, Memphis, Tenn. Candy confections. 173,693; Jan. 29.
Boston Manufacturing Company, 1901, The, Waltham, Mass. Cotton piece goods. 172,930; Jan. 29.
Boston Manufacturing Company, 1901, The, Waltham, Mass. Cotton piece goods. 187,503; Jan. 29.
Boyd, John S., Co. Inc., Williamstown, Mass., and New York, N. Y. Corduroys in the piece. 173,228; Jan. 29.
Cabama Company, Huntsville, Ala. Mouth wash. 180,581; Jan. 29.
Caldwell, A. B., Mfg. Co. (See Van Camp Hardware & Iron Company.)
Canada Dry Ginger Ale, Inc., New York, N. Y. Ginger ale. 184,641–5; Jan. 29.
Canada Dry Ginger Ale, Inc., New York, N. Y. Ginger ale. 184,649; Jan. 29.
Canfield Rubber Company, The, Bridgeport, Conn. Dress shields. 170,121; Jan. 29.
Carrington, George S., Co., Chicago, Ill. Dolls and toy animals. 187,985–8; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,415; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,419–20; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,422–3; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,427–8; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,437; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Hosiery and underwear. 185,440; Jan. 29.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 185,442; Jan. 29.
Central Wholesale Grocers, Inc., Chicago, Ill. Canned vegetables and fish. 178,955; Jan. 29.
Chalmers Chemical Company, Newark, N. J. Cleansing preparation. 188,296; Jan. 29.
Channell Limited, Toronto, Ontario, Canada. Wax for polishing wood, finished metal, and varnished or painted surfaces. 182,846; Jan. 29.
Chase & Co., Jacksonville, Fla. Fruit juices used for beverage purposes. 186,045; Jan. 29.
Cleveland Worm and Gear Company, The, Cleveland, Ohio. Worm gearing. 188,047; Jan. 29.
Cohen, Benjamin A., New York, N. Y. Dress shirts, knickerbockers, underwear, pyjamas, etc. 187,564; Jan. 29.
Cohen, Morris, New Haven, Conn. Sweaters, bathing suits, and underwear. 187,248; Jan. 29.
Collins & Aikman Co., Philadelphia, Pa. Pile fabric piece goods and cut lengths. 187,509; Jan. 29.
Crofts & Reed Co., Chicago, Ill. Toilet soap. 164,632; Jan. 29.
Crystal Mills, Inc., West New York, N. J. Dresses. 187,727; Jan. 29.
D. & P. Chemical Co. (See Dimicell, Morris.)
Daley, F. F., Company, Incorporated, Buffalo, N. Y. Shoe pastes, cakes, and liquids. 181,676; Jan. 29.
Dauber Brothers, Chicago, Ill. Dressed poultry. 187,999; Jan. 29.
Delight Manufacturing Company, Oakland, Calif. Deodorant solution. 184,962; Jan. 29.
De Vecchi, Pietro, Milan, Italy. Stomach tonics and bitters. 186,049; Jan. 29.
De Witt-Seitz Company, Duluth, Minn. Mattresses. 180,592; Jan. 29.
Dimicell, Morris, doing business as D. & P. Chemical Co., Brooklyn, N. Y. Preparation for constipation. 183,697; Jan 29.
Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y. Monthly periodical. 188,472; Jan. 29.
Eastern Hair Net Trading Co., New York, N. Y. Hair nets. 170,242; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish-bait spinners. 188,791; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,793; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,795; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish-bait spinners. 188,796; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing floats. 188,798; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,806; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,808; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,818; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,821–6; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Snaps for attaching bait to fishing lines. 188,828; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,830; Jan. 29.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 188,835; Jan. 29.
Farnum, John, Co., Philadelphia, Pa. Cotton piece goods. 186,468; Jan. 29.
Federal Pure Food Company, Chicago, Ill. Compound to be used in preparing the filling for pies, preparing puddings, etc. 167,170; Jan. 29.
Felmor Chemical Works. (See Slatkin, Hyman.)
Finsilver, Still & Moss, Inc., New York, N. Y. Woolen piece goods. 187,048; Jan. 29.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 186,890–1; Jan. 29.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,938; Jan. 29.
French, R. T., Company, The, Rochester, N. Y. Ointment. 178,033; Jan. 29.
Friend, Frances, Los Angeles, Calif. Orange confection. 177,967; Jan. 29.
Fuller, Jack E., doing business as J. E. Fuller Specialty Company, Kansas City, Kans. Liquid preparation for rejuvenating rubber typewriter rollers or platens. 188,237; Jan. 29.
Fuller-Morrisson Company, Chicago, Ill. Olive oil. 185,924; Jan. 29.
Fuller, W. P., & Co., San Francisco, Calif. White lead. 188,837; Jan. 29.
Gestetner, D., Limited, London, England. Stencil papers, styles, repairing varnishes, etc. 175,859–60; Jan. 29.
Gillinder Brothers, Point Jervis, N. Y. Illuminating glassware globes. 186,499–500; Jan. 29.
Gillinder Brothers, Port Jervis, N. Y. Illuminating glassware globes. 186,502; Jan. 29.
Glasier Manufacturing Co., The, South Glastonbury, Conn. Woolen piece goods. 187,255; Jan. 29.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 164,421–2; Jan. 29.
Glyde Syrup Company, St. Joseph, Ill. Nonalcoholic beverage. 183,922; Jan. 29.
Golden State Milk Company, Vallejo, Calif. Butter. 182,798; Jan. 29.
Goldberg, Soloman H., doing business as Hump Hairpin Manufacturing Co., Chicago, Ill. Wire hairpins. 177,603; Jan. 29.
Goldenberg's, Washington, D. C. Linen piece goods, bed sheets, pillowcases, etc. 170,642; Jan. 29.
Goldenberg's, Washington, D. C. Household furniture. 170,645; Jan. 29.
Goodfellow, W. E., doing business as The American Dance Publishing House, Springfield, Ohio. Title to a monthly periodical devoted to dancing. 188,152; Jan. 29.
Haas Bros., San Francisco, Calif. Canned fruits and vegetables. 187,676; Jan. 29.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial silk, cotton, linen, and woolen piece goods. 184,205; Jan. 29.

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Hecht's Furniture House, Baltimore, Md. Household furniture. 167,845; Jan. 29.
Helena Wholesale Dry Goods Company, Helena, Ark. Overalls, pants, shirts, etc. 188,268; Jan. 29.
Heller, B., & Company, Chicago, Ill. Ice-cream flavoring compound. 185,520; Jan. 29.
Hinck, Claus F., jr. Montclair, N. J. Folding toys. 187,160; Jan. 29.
Hot Point Oil & Supply Company, Harrisburg, Pa. Gasoline, lubricating oils, and greases. 184,854; Jan. 29.
Hump Hairpin Manufacturing Co. (See Goldberg, Soloman H.)
Hurowitz & Erdrich, New York, N. Y. Coats, suits, and wraps for women. 172,946; Jan. 29.
Hurwitz, Nathan, doing business as Na-Hu Laboratories, New York, N. Y. Hair tonic. 188,206; Jan. 29.
Ibex Watch Co., Inc., New York, N. Y. Watch movements and cases. 174,779; Jan. 29.
International Derrick & Equipment Company, The, Columbus, Ohio. Derricks and drilling equipment and parts thereof. 152,328; Jan. 29.
Jones, Bert, Chicago, Ill. Machine for applying paste to labels. 187,868; Jan. 29.
Kaufmann, Max, & Co., Inc., New York, N. Y. Cotton fabrics and cotton piece goods. 186,910; Jan. 29.
Kent, John J., doing business as Red's Mfg. Co., Seattle, Wash. Polish for automobiles, pianos, furniture, and woodwork. 188,311; Jan. 29.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 188,155; Jan. 29.
Klein, Benjamin, Chicago, Ill. Scissors gauges. 151,551; Jan. 29.
Knickerbocker Chocolate Co., New York, N. Y. Sweetened cocoa powder for beverage purposes, etc. 182,423; Jan. 29.
Lang, Mrs. K. B. (See Wemadit Specialty Kitchen.)
Lansburgh & Bro., Inc., Washington, D. C. Coats, vests, trousers, overcoats, etc. 173,894; Jan. 29.
Liberty Candy Co. (See Plakis, Tom K.)
Lidgerwood Mfg. Co., New York, N. Y. Hoisting, digging, and conveying machinery and parts appurtenant thereto. 187,751; Jan. 29.
Lupi, Pedro, Barcelona, Spain. Olive oil. 169,911; Jan. 29.
Luzanne Company, The, Phoenix, Ariz., and Los Angeles, Calif. Facial cream. 152,018; Jan. 29.
McClintock, Ora D., Chicago, Ill. Hair curlers. 171,935; Jan. 29.
Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France. Crystal ware, plate glass, table and ornamental glassware. 188,317; Jan. 29.
Maple Grove Candies, Inc., St. Johnsbury, Vt. Maple cream, sirup, and sugar in bulk, etc. 154,523; Jan. 29.
Marion Tool Works, Inc., Marion, Ind. Steel tools. 187,525–7; Jan. 29.
Marshall-Wells Company, Duluth, Minn. Skis, steering sleds, coaster wagons, toy velocipedes, etc. 178,529; Jan. 29.
Maynor Company, The, Philadelphia, Pa. Series of instruction charts for playing golf. 178,113; Jan. 29.
Migel, J. A., Inc., North Bergen, N. J., and New York, N. Y. Silk goods in the piece. 186,960; Jan. 29.
Miller, Alton L., Boston, Mass. Candies. 184,345; Jan. 29.
Mission Bead Company, Los Angeles, Calif., and Chicago, Ill. Beauty clay. 187,530; Jan. 29.
Mitchell Bros. Inc., New York, N. Y. Ladies', misses', and children's undergarments. 188,055; Jan. 29.
Muralo Company Inc., The, New Brighton, N. Y. Cold-water paints. 183,399; Jan. 29.
Na-Hu Laboratories. (See Hurwitz, Nathan.)
National Egg Products Company, Los Angeles, Calif. Gelatinous powder for making ice cream, gravies, and custards. 166,598; Jan. 29.
New England Mills Co., Chicago, Ill. Automobile tires, tubes, etc. 187,761; Jan. 29.
Nichols Underwear Corporation, The, Bridgeport, Conn. Binding strips, tapes, and trimmings. 184,038; Jan. 29.
Nichols Underwear Corporation, The, Bridgeport, Conn. Binding strips, tapes, and trimmings. 184,145; Jan. 29.
Nieblo M'fg. Co., The, Newark, N. J., and New York, N. Y. Golfing tees. 188,425; Jan. 29.
Old Time Mince Meat Corporation, Syracuse, N. Y. Mincemeat. 186,289; Jan. 29.
Oustayan, Harry, New York, N. Y. Ointment for swelling and abscesses. 183,586; Jan. 29.
Owens, C. W., Titusville, Pa. General healing salve and a blood maker and purifier. 188,275; Jan. 29.
Paasche Air Brush Company, Chicago, Ill. Air-brush painting outfits and replacement parts thereof, etc. 166,257; Jan. 29.
Pappas Brothers, Fort Wayne, Ind. Candy. 183,938; Jan. 29.
Paraffine Companies, Inc., The, San Francisco, Calif. Paint. 183,589; Jan. 29.
Parke, Davis & Company, Detroit, Mich. Soap cream for shaving. 188,035; Jan. 29.
Peabody, Henry W., & Co., New York, N. Y. Figs. 165,557–8; Jan. 29.
Pesterre, Arthur C., Beverly Hills, Calif. Polish for mirrors, lamp reflectors, windows, etc. 181,217–8; Jan. 29.
Pierce, S. S., Co., Boston, Mass. Marmalade, sweetened chocolate, fruits in sirup, etc. 181,042; Jan. 29.
Plakis, Tom K., doing business as Liberty Candy Co., Detroit, Mich. Bar candy. 187,017; Jan. 29.
Preventyne Co. (See Weisstein, Saul E.)
Primrose Draperies, Inc., New York, N. Y. Bedspreads. 180,494; Jan. 29.
Pultex Manufacturing Company, The, Cleveland, Ohio. Pulleys and split pulleys. 188,699; Jan. 29.
Q & C Company, The, New York, N. Y. Railway equipment. 170,953; Jan. 29.
Red's Mfg. Co. (See Kent, John J.)
Reich, Ernest, Company, The, Chicago, Ill. Household utensils. 166,102; Jan. 29.
Reichenbach & Co., New York, N. Y. Cotton shirtings in the piece. 187,769; Jan. 29.
Reinhold, George, Germantown, Philadelphia, Pa. Ointment for rheumatism, eczema, hemorrhoids, skin eruptions, etc. 182,837; Jan. 29.
Reist, A. H., & Company, Dayton, Ohio. Foot ointment. 187,485; Jan. 29.
Resetar Bros., Watsonville, Calif. Fresh apples. 186,802; Jan. 29.
Roneo Limited, London, England. Metal office furniture. 185,147; Jan. 29.
Routh, William T., McRae, Ga. Ironworkers' tools. 168,982; Jan. 29.
Ruth, Gustav, Wandsbek, near Hamburg, Germany. Paints. 187,133; Jan. 29.
Rydal Mills, Inc., Philadelphia, Pa. Ladies' silk and woolen hosiery. 187,387; Jan. 29.
San Diego Macaroni Manufacturing Company, San Diego, Calif. Macaroni, spaghetti, vermicelli, etc. 182,009; Jan. 29.
Scherago, Morris, doing business as Southern Biological Laboratories, Lexington, Ky. Cultured milk. 187,388; Jan. 29.
Schwarz, Max, Textile Corporation, New York, N. Y. Cotton piece goods. 187,389; Jan. 29.
Sheopoolos, George, doing business as Universal Candy Co., Chicago, Ill. Candy. 188,030; Jan. 29.
Skout Mfg. Company, Los Angeles, Calif. Hack saws. 189,535; Jan. 29.
Slatkin, Hyman, doing business as Felmor Chemical Works, Baltimore, Md. Stove polish. 179,830; Jan. 29.
Smith, Howard S., doing business as Warsaw Milling and Grain Company, Warsaw, Ind. Buckwheat flour. 186,088; Jan. 29.
Societe Anonyme des Aeroplanes G. Voisin, Paris, France. Aeroplanes, together with their detached pieces and accessories, automobiles, etc. 141,536; Jan. 29.
Société pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Yarns and threads. 185,320; Jan. 29.
Southern Biological Laboratories. (See Scherago, Morris.)
Southern Confection Company. (See Bechtol, Archie H.)
Spector, Jacob, Keystone, W. Va. General medicinal tonic. 188,069; Jan. 29.
Spokane Valley Growers Union, Opportunity, Wash. Fresh apples. 165,424; Jan. 29.
Standard Corporation, The, New York, N. Y. Fashion periodical. 185,095; Jan. 29.
Standard Varnish Works, New York, N. Y. Ready-mixed paints and varnishes. 188,073; Jan. 29.
Stowe & Woodward Company, Newton and Newton Upper Falls, Mass. Nonmetallic billiard, pool, roque, and croquet balls. 185,850; Jan. 29.
Stuart, D. A., & Co., Chicago, Ill. Base oil. 187,781; Jan. 29.
Superior Ice Cream Corporation. (See Swett, William R., assignor.)
Susquehanna Hosiery Mills, Philadelphia, Pa. Silk hosiery. 187,393; Jan. 29.
Sweet Candy Company, doing business as Sweet's, Salt Lake City, Utah. Candy. 183,678; Jan. 29.
Swett, William R., assignor to Superior Ice Cream Corporation, Osceola Mills, Pa. Ice cream. 184,108; Jan. 29.
Syracuse Chilled Plow Company, Inc., Syracuse, N. Y. Plows and parts thereof. 188,390; Jan. 29.
Talright, Inc., Chicago, Ill. Corn pads. 186,033; Jan. 29.
Tergol Laboratories, New York, N. Y. External remedy for constipation. 184,571; Jan. 29.
Tromite Corporation, The, New York, N. Y. Water softener and grease solvent. 188,255; Jan. 29.
Tuft's Drug Co. (See Willetts, Roy O.)
U. S. Oil Company, Providence, R. I. Fulling and scouring oils. 189,211; Jan. 29.
U. S. Slicing Machine Company, Laporte, Ind. Bread and meat slicing machine. 172,696; Jan. 29.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 187,705; Jan. 29.
Universal Candy Co. (See Sheopoolos, George.)
Van Camp Hardware & Iron Company, doing business as A. B. Caldwell Mfg. Co., Indianapolis, Ind. Scythes, hoes, rakes, etc. 187,554; Jan. 29.
Wah Chang Trading Corporation, New York, N. Y. Indigo, synthetic indigo paste, and caustic soda. 182,320; Jan. 29.

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Warsaw Milling and Grain Company. (See Smith, Howard S.)
Weisstein, Saul E., doing business as Preventyne Co., St. Louis, Mo. Tooth paste. 185,167; Jan. 29.
Weldfast System, Inc., Salem, Mass. Bundling machines. 188,350; Jan. 29.
Wemadit Specialty Kitchen, sometimes doing business as Mrs. K. B. Lang, Pleasantville, N. J. Fruits, jams, jellies, marmalades, etc. 182,854; Jan. 29.
Willetts, Roy O., doing business as Tuft's Drug Co., Yakima, Wash. Preparation for use as an insect repellant. 182,556; Jan. 29.
Wilson, Geo. C., doing business as The Wilson Chemical Company and as Wilson Seed Company, Tyrone, Pa. Publication issued periodically. 177,257; Jan. 29.
Wollitz, Ernest A., Oakland, Calif. Therapeutic bath compounds. 179,761; Jan. 29.
Yvette Co., New York, N. Y. Certain specified toilet preparations. 187,367; Jan. 29.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Boxes, Packing. United Cape Cod Cranberry Co. 178,909; Jan. 29.

CLASS 4.

Grinding composition for metal bearings. Quick Method Products Co. 178,983; Jan. 29.
Soap, Shaving. J. B. Williams Company. 24,295; renewed Mar. 6, 1924.
Soap, shaving powder, etc., Shaving. Sanitol Chemical Laboratory Company. 178,859; Jan. 29; Serial No. 180,242; published Nov. 6, 1923.

CLASS 6.

Arsphenamine and neoarsphenamine. Abbott Laboratories. 178,801; Jan. 29; Serial No. 177,889; published Aug. 28, 1923.
Beauty clays. W. H. Lowe. 178,853; Jan. 29; Serial No. 180,135; published Nov. 13, 1923.
Bleaches, skin lotion, hair dye, etc. J. H. Karp. 178,944; Jan. 29.
Clay, Complexion. Glacier Deposit Laboratories, Inc. 178,868; Jan. 29; Serial No. 182,050; published Nov. 13, 1923.
Dip for cattle, sheep, and hogs, antiseptics, etc. Geo. H. Lee Co. 178,957; Jan. 29.
Electrolyte, Storage battery. F. F. Spetz. 178,905; Jan. 29.
Insecticide and chemical preparations, food colors, etc. B. Heller & Company. 178,924; Jan. 29.
Laxative cold capsules. Har-De Mfg. Co. 178,904; Jan. 29.
Liniment. E. E. Heller. 178,848; Jan. 29; Serial No. 175,987; published Nov. 13, 1923.
Liquid preparation to offset the odors of perspiration. Perfumeria Floralia, S. A. 178,838; Jan. 29; Serial No. 144,939; published Nov. 6, 1923.
Medicines. A. O. Klauser. 178,981; Jan. 29.
Medicines for gallstones, etc., laxative pills, etc. Ebrey Chemical Works. 178,795; Jan. 29; Serial No. 180,057; published Nov. 6, 1923.
Ointment or salve. H. F. Atchley. 178,843; Jan. 29; Serial No. 179,347; published Nov. 13, 1923.
Pastils for treatment of congestion of the womb, ulceration, etc. Dr. Franz Abendroth Medical Company. 178,901; Jan. 29.
Perfume. A. P. Babcock Co. 178,794; Jan. 29; Serial No. 183,246; published Nov. 13, 1923.
Perfumes. John Blocki & Son, Inc. 178,849; Jan. 29; Serial No. 175,062; published Nov. 13, 1923.
Perfumes. Société Worth. 178,788; Jan. 29; Serial No. 182,070; published Nov. 6, 1923.
Powder, nourishing cream, rouges, etc., Face. C. R. Fajans. 178,787; Jan. 29; Serial No. 181,825; published Nov. 6, 1923.
Powder, tooth paste, liquid antiseptics, etc., Tooth. Sanitol Chemical Laboratory Company. 178,858; Jan. 29; Serial No. 180,258; published Nov. 6, 1923.
Preparation used in connection with shampooing hair. Marinello Company. 178,969; Jan. 29.
Preparations for exterminating insects. Beyer-Frey Chemical Company. 178,790; Jan. 29; Serial No. 182,083; published Nov. 6, 1923.
Preparations for the treatment of colds, grippe, and influenza. Sydney Ross Co. 178,961; Jan. 29.
Remedy for constipation, etc. Magnesia-Lax Company. 178,908; Jan. 29.
Remedy for swine, Worm. C. Brown. 178,943; Jan. 29.
Rouge and face powder. Marinello Company. 178,792; Jan. 29; Serial No. 182,420; published Nov. 6 1923.
Rubber compounding mixture. Synthetic Products Company. 178,903; Jan. 29.
Sachet, face powder, lip stick, and rouge. Adolf D. Lindemann & Son. 178,942; Jan. 29.
Salts pills, Epsom. H. D. Kuhn. 178,779; Jan. 29; Serial No. 181,999; published Nov. 6, 1923.
Salve or ointment. G. A. Busse. 178,945; Jan. 29.
Salve, Pile. F. E. Harrison. 178,800; Jan. 29; Serial No. 178,843; published Nov. 6, 1923.
Silicate of soda. Philadelphia Quartz Company. 178,982; Jan. 29.
Sulphur. San Francisco Sulphur Co. 178,920; Jan. 29.
Tonic, Medicinal. Pabst Corporation. 178,789; Jan. 29; Serial No. 182,110; published Nov. 6, 1923.
Zinc oxide. Grasselli Chemical Company. 178,833; Jan. 29; Serial No. 163,976; published Nov. 13, 1923.

CLASS 13.

Automobile curtain rods, Thimbles for. G. W. Scott. 178,934; Jan. 29.
Flower holders, Metal. Dazey Manufacturing Company. 178,862; Jan. 29; Serial No. 176,255; published Nov. 6, 1923.
Pipes and metal pipe fittings, Metal. Pioneer Alloy Products Company. 178,837; Jan. 29; Serial No. 139,628; published Nov. 6, 1923.

CLASS 14.

Bearing metal. Lumen Bearing Company. 178,927; Jan. 29.
Iron and steel sheets, plates, and bars. Tennessee Coal, Iron & Railroad Company. 178,852; Jan. 29; Serial No. 114,932; published May 16, 1923.
Sheets and plates of steel and iron. American Sheet & Tin Plate Company. 178,851; Jan. 29; Serial No. 115,040; published Feb. 10, 1920.

CLASS 15.

Gasoline. Pan American Petroleum & Transport Company. 178,880; Jan. 29; Serial No. 184,620; published Oct. 23, 1923.

CLASS 16.

Cleaning, polishing, and waxing compound. C. Wakeland. 178,960; Jan. 29.
Paint and varnish remover. Wilson-Imperial Company. 178,975; Jan. 29.
Paints, flat white, and house stains, House. G. Sillers. 178,919; Jan. 29.
Size and Japans. Midwest Varnish Company. 178,949; Jan. 29.

CLASS 17.

Cigars, cheroots, stogies, and little cigars. J. A. McAdoo. 178,954; Jan. 29.

CLASS 22.

Balls, Golf. Cuthbert S. Butchart Company. 178,826; Jan. 29; Serial No. 168,454; published Nov. 6, 1923.
Balls, Golf. Thos. Wilson & Co. 178,871; Jan. 29; Serial No. 182,949; published Nov. 6, 1923.
Balls, Golf. Thos. E. Wilson & Co. 178,873; Jan. 29; Serial No. 182,948; published Nov. 6, 1923.
Dolls. Aunt Jemima Mills Company. 178,955; Jan. 29.
Fishing lines. St. Joe Valley Line Co. 178,887; Jan. 29; Serial No. 184,368; published Nov. 6, 1923.
Fishing nets. Stuarts & Jacks, Limited. 178,841; Jan. 29; Serial No. 178,302; published Nov. 6, 1923.
Fishing reels. Enterprise Manufacturing Company. 178,898–900; Jan. 29.
Game, Parlor. H. S. Bird. 178,894; Jan. 29; Serial No. 183,688; published Nov. 6, 1923.
Games. Mei Ren Company. 178,883; Jan. 29; Serial No. 184,557; published Nov. 6, 1923.
Games, Outdoor. R. F. Goodlett. 178,889; Jan. 29; Serial No. 184,338; published Nov. 6, 1923.
Golf clubs. U. A. Kiln. 178,886; Jan. 29; Serial No. 184,504; published Nov. 6, 1923.
Rackets, Tennis. C. L. Godfrey. 178,890; Jan. 29; Serial No 184,242; published Nov. 6, 1923.
Rubber balloons, dolls, and squawkers. W. Caldwell. 178,893; Jan. 29; Serial No. 184,063; published Nov. 6, 1923.
Toy buzzer. J. Garcia. 178,895; Jan. 29; Serial No. 183,566; published Nov. 6, 1923.
Toy sectional collapsible building units. Scott Manufacturing Company. 178,888; Jan. 29; Serial No. 184,366; published Nov. 6, 1923.
Toys. P. J. Barnard. 178,878; Jan. 29; Serial No. 184,582; published Nov. 6, 1923.
Toys. P. J. Barnard. 178,882; Jan. 29; Serial No. 184,581; published Nov. 6, 1923.

CLASS 23.

Bottle filling and capping machines and dairy machinery. H. H. Miller Industries Company. 178,818; Jan. 29; Serial No. 182,983; published Nov. 6, 1923.
Graders, Road. J. B. Jarmin. 178,930–1; Jan. 29.
Lathes. Gisholt Machine Company. 178,803; Jan. 29; Serial No. 177,482; published June 12, 1923.
Pumps and parts thereof, Rotary. Blackmer Rotary Pump Co. 178,936; Jan. 29.
Ship stabilizers. Sperry Gyroscope Company. 178,978; Jan. 29.

CLASS 26.

Compasses, Navigating. Sperry Gyroscope Company. 178,964; Jan. 29.
Ophthalmic lenses and blanks. M. Singer. 178,972; Jan. 29.

CLASS 28.

Buckles, Belt. Pioneer Suspender Company. 178,780; Jan. 29; Serial No. 180,191; published Oct. 16, 1923.
Buttons, scarfpins, etc. Cuff and collar. Taunton Pearl Works, Inc. 178,791; Jan. 29; Serial No. 182,387; published Oct. 16, 1923.

CLASS 29.

Brushes. Hanlon & Goodman Company. 178,979; Jan. 29.
Powder puffs. Jacqueline Frères Limited. 178,827; Jan. 29; Serial No. 166,493; published Nov. 6, 1923.
Toothbrushes. J. H. Carter. 178,976; Jan. 29.

CLASS 31.

Refrigerators. Arlington Refrigerator Co. 178,952; Jan. 29.
Refrigerators. D. Eddy & Sons. 24,325; renewed Mar. 6, 1924.

CLASS 32.

Sofas, divans, wardrobes, etc. Atlas Furniture Company. 178,860; Jan. 29; Serial No. 175,050; published Oct. 9, 1923.

CLASS 33.

Glass, Window. Dwelle-Kaiser Co. 178,831; Jan. 29; Serial No. 169,628; published Nov. 6, 1923.
Glassware globes, illuminating. Gillinder Brothers. 178,926; Jan. 29.

CLASS 35.

Tube patches. C. S. Teagle. 178,832; Jan. 29; Serial No. 164,287; published Nov. 6, 1923.

CLASS 37.

Book covers, Memorandum and check. David H. Zell, Inc. 178,977; Jan. 29.
Paper, Printing and book. American Writing Paper Company. 178,913; Jan. 29.
Papers, Writing and printing. American Writing Paper Company. 178,980; Jan. 29.

CLASS 38.

Books, etc., relating to art needlework. Instruction. Bernhard Ulmann Co. 178,881; Jan. 29; Serial No. 184,697; published Nov. 6, 1923.
Cartoon title. Public Ledger Company. 178,820–1; Jan. 29; Serial Nos. 184,870–1; published Nov. 6, 1923.
House organ published periodically. Wabash Cabinet Co. 178,891; Jan. 29; Serial No. 184,154; published Nov. 6, 1923.
House organ published quarterly. A. N. Sheldon, jr. 178,823; Jan. 29; Serial No. 184,801; published Nov. 6, 1923.
Magazine, Monthly. El Comercio Publishing Corporation. 178,884; Jan. 29; Serial No. 184,544; published Nov. 6, 1923.
Magazine, Monthly. T. A. Phillips. 178,892; Jan. 29; Serial No. 184,149; published Nov. 6, 1923.
Publication, Monthly. Photoplay Publishing Company. 178,857; Jan. 29; Serial No. 177,404; published Nov. 6, 1923.
Publication, Printed. Standard Corporation. 178,875; Jan. 29; Serial No. 185,057; published Nov. 6, 1923.
Publication, Weekly. Austin Publishing Company. 178,822; Jan. 29; Serial No. 184,800; published Nov. 6, 1923.
Publications, Periodical. Chicago Automobile Trade Association. 178,865; Jan. 29; Serial No. 180,523; published Oct. 30, 1923.
Publications, Weekly. Bankers Supply Co. 178,897; Jan. 29; Serial No. 183,687; published Nov. 6, 1923.

CLASS 39.

Aprons and frocks. A. S. Katzenberg & Bro. 178,877; Jan. 29; Serial No. 185,022; published Nov. 6, 1923.
Aprons, Ladies' and children's. Weber Manufacturing Co. 178,834; Jan. 29; Serial No. 155,791; published Nov. 13, 1923.
Blouses. Zielman-Warren Co. 178,962; Jan. 29.
Brassières. H & W Company. 178,925; Jan. 29.
Coats and overcoats, Suit. Abraham & Straus, Inc. 178,914; Jan. 29.
Corsets. Strouse, Adler & Co. 178,939; Jan. 29.
Dresses. I. Mittelman & Co. 178,974; Jan. 29.
Garters. Wolfe & Lang, Inc. 178,935; Jan. 29.
Hosiery. Finery Hosiery Corporation. 178,856; Jan. 29; Serial No. 177,434; published July 24, 1923.
Hosiery. F. Gastineau. 178,932; Jan. 29.
Hosiery. Real Silk Hosiery Mills. 178,835; Jan. 29; Serial No. 157,535; published May 8, 1923.
Hosiery. Real Silk Hosiery Mills. 178,967; Jan. 29.
Hosiery, Ladies' silk. R. M. Watkins. 178,839; Jan. 29; Serial No. 184,880; published Nov. 6, 1923.
Hosiery, sweaters, sweater coats, undershirts, etc. Wm. Clow & Son, Inc. 178,963; Jan. 29.
Overalls, Boys'. Lurie Manufacturing Company. 178,933; Jan. 29.
Overalls, work shirts, and work pants. Old Dominion Garment Co. 178,940; Jan. 29.
Rompers and playsuits, blouses, and girls' dresses, Children's. J. M. Thuman. 178,836; Jan. 29; Serial No. 151,070; published June 6, 1922.
Shirts. Cluett, Peabody & Co. 178,951; Jan. 29.
Shirts. Monroe Shirt Company. 178,958; Jan. 29.
Shirts and parts thereof. Phillips-Jones Corporation. 178,907; Jan. 29.
Shoes, Children's leather. International Shoe Company. 178,929; Jan. 29.
Shoes, Leather. International Shoe Company. 178,910–11; Jan. 29.
Shoes, Men's leather. International Shoe Company. 178,906; Jan. 29.
Stockings. Donemar Incorporated. 178,885; Jan. 29; Serial No. 184,542; published Nov. 6, 1923.
Stockings, Women's. I. Herman. 178,953; Jan. 29.
Suits and overcoats, Men's. Barron, Anderson Co. 178,824; Jan. 29; Serial No. 184,708; published Nov. 6, 1923.
Suspenders. I. Ravich & Sons, Inc. 178,973; Jan. 29.
Waists and dresses, Women's. Bert Stern Company. 178,872; Jan. 29; Serial No. 184,931; published Nov. 6, 1923.

CLASS 40.

Beads. Guthman, Solomons & Co. 178,896; Jan. 29; Serial No. 183,379; published Oct. 30, 1923.
Beads, thimbles, napkin rings, etc. Wm. Filene's Sons Company. 178,956; Jan. 29.

CLASS 42.

Bedspreads, pillow shams, and throws. R. Volt. 178,959; Jan. 29.
Cotton piece goods. Calico Printers' Association, Limited. 178,870; Jan. 29; Serial No. 184,934; published Nov. 6, 1923.
Flannel piece goods, Shirting. Verd Mont Mills Company. 178,928; Jan. 29.
Ginghams in the piece. American Wholesale Corporation (Baltimore Bargain House). 178,941; Jan. 29.
Shade cloth of sized and painted fabric. Interstate Shade Cloth Co. 178,879; Jan. 29; Serial No. 184,613; published Nov. 6, 1923.
Towels, sheets, pillowcases, etc. Hale Bros., Inc. 178,876; Jan. 29; Serial No. 185,019; published Nov. 6, 1923.

CLASS 43.

Threads, Silk. H. K. H. Silk Co. 178,915; Jan. 29.
Yarns. Amherst Knitting Mills Inc. 178,921; Jan. 29.

CLASS 44.

Druggists' sundries. J. Stein. 178,950; Jan. 29.
Gauze. Downtown Surgery, Inc. 178,917–18; Jan. 29.

CLASS 46.

Apples, Fresh. Dailey Produce Co. 178,812; Jan. 29; Serial No. 182,737; published Nov. 6, 1923.
Biscuit. National Biscuit Company. 178,785; Jan. 29; Serial No. 180,233; published Oct. 30, 1923.
Biscuit. National Biscuit Company. 178,783; Jan. 29; Serial No. 180,234; published Oct. 30, 1923.
Bread. Hall Baking Co. 178,781; Jan. 29; Serial No. 180,861; published Oct. 30, 1923.
Bread. Ward Baking Company. 178,845; Jan. 29; Serial No. 179,758; published Nov. 6, 1923.
Bread, Whole wheat. Hillsdale Baking Company. 178,844; Jan. 29; Serial No. 179,534; published Nov. 6, 1923.
Cake. Freihofer Baking Company. 178,797–8; Jan. 29; Serial No. 179,787–8; published Oct. 30, 1923.
Cakes and crackers. Frank E. Block Company. 178,968; Jan. 29.
Candies. Frank E. Block Company. 178,971; Jan. 29.
Candy. George K. Brown Company. 178,817; Jan. 29; Serial No. 184,812; published Nov. 6, 1923.
Candy. G. Farmakes. 178,808; Jan. 29; Serial No. 180,113; published Nov. 6, 1923.
Candy and confections. E. McKnight. 178,814; Jan. 29; Serial No. 183,714; published Nov. 6, 1923.
Candy, cakes, shelled nuts, and sandwiches. O. P. Baur Conf. Co. 178,828; Jan. 29; Serial No. 171,723; published Oct. 30, 1923.
Canned fish. F. E. Booth Co. 178,819; Jan. 29; Serial No. 185,103; published Nov. 6, 1923.
Canned fish. Western California Fish Co. 178,805; Jan. 29; Serial No. 168,394; published Nov. 6, 1923.
Canned fruit. F. E. Booth Co. 178,816; Jan. 29; Serial No. 184,811; published Nov. 6, 1923.

Canned fruits and vegetables. Sierra Pacific Canning Co. 178,809; Jan. 29; Serial No. 181,915; published Nov. 6, 1923.
Canned fruits and vegetables, dried fruit, and canned fish. Hunt Brothers Packing Company. 178,947; Jan. 29.
Canned fruits, vegetables, and fish, etc. Louisville Grocery Co. 178,778; Jan. 29; Serial No. 180,870; published Nov. 6, 1923.
Canned salmon. Hodgson and Company Limited. 178,796; Jan. 29; Serial No. 180,005; published Oct. 30, 1923.
Canned vegetables, fruits, berries, fish, etc. Amos-James Grocer Co. 178,847; Jan. 29; Serial No. 176,151; published Nov. 6, 1923.
Cantaloupes, honey dews, and casabas, Fresh. J. H. Smith. 178,806; Jan. 29; Serial No. 179,490; published Nov. 6, 1923.
Cattle, swine, and butter. A. M. Baldwin. 178,922; Jan. 29.
Cheese. Gerber & Co. A. G. 178,867; Jan. 29; Serial No. 182,580; published Nov. 6, 1923.
Cheese. J. Kirkpatrick. 178,830; Jan. 29; Serial No. 172,600; published Nov. 6, 1923.
Cheese, Cream. Breakstone Bros., Inc. 178,782; Jan. 29; Serial No. 180,958; published Oct. 30, 1923.
Cheese, French, etc., dressings. J. A. Caminati. 178,799; Jan. 29; Serial No. 179,259; published Oct. 30, 1923.
Chocolates. Busy Bee Candy Company. 178,810; Jan. 29; Serial No. 182,233; published Nov. 6, 1923.
Coconut fats for food purposes. S. Langner. 178,811; Jan. 29; Serial No. 182,349; published Nov. 6, 1923.
Eggs. Kerr Chickeries Incorporated. 178,842; Jan. 29; Serial No. 178,851; published Oct. 30, 1923.
Eggs. M. Packman. 178,869; Jan. 29; Serial No. 182,002; published Nov. 6, 1923.
Feed for poultry and hogs. C. O. Sandefur. 178,784; Jan. 29; Serial No. 180,301; published Oct. 30, 1923.
Feeds, Stock and chicken. International Milling Company. 178,804; Jan. 29; Serial No. 176,408; published Oct. 30, 1923.
Flour. Muffin Makin's Co. 178,912; Jan. 29.
Flour and stock feeds, Wheat. Capital City Milling & Grain Co. 178,861; Jan. 29; Serial No. 175,845; published Nov. 6, 1923.
Flour, Pancake. Jos. Strong & Co. 178,902; Jan. 29.
Flour, Self-rising. Lillie Mill Company. 178,874; Jan. 29; Serial No. 182,757; published Nov. 6, 1923.
Flour, self-rising pancake flour, wheat meal, etc., Wheat. Red Star Milling Company. 178,840; Jan. 29; Serial No. 178,192; published Nov. 6, 1923.
Flour, Wheat. F. C. Atkinson. 178,854; Jan. 29; Serial No. 180,462; published Oct. 30, 1923.
Flour, Wheat. Frontier Elevator & Mill Company. 178,802; Jan. 29; Serial No. 177,730; published Aug. 21, 1923.
Flour, Wheat. Midland Flour Milling Co. 178,866; Jan. 29; Serial No. 180,483; published Nov. 6, 1923.
Flour, Wheat. Nebraska Consolidated Mills Company. 178,863; Jan. 29; Serial No. 180,881; published Nov. 6, 1923.
Flour, Wheat. Pillsbury Flour Mills Company. 178,850; Jan. 29; Serial No. 173,379; published Nov. 6, 1923.
Flour, Wheat. Thompson Milling Company. 178,825; Jan. 29; Serial No. 173,451; published Nov. 6, 1923.
Foods. E. L. Ballew. 178,855; Jan. 29; Serial No. 177,761; published Nov. 6, 1923.
Fruits and fresh grapes, Fresh citrous. Lindsay Co-Operative Citrus Association. 178,916; Jan. 29.
Fruits, Dried. R. Monge. 178,937; Jan. 29.
Fruits, Dried. R. Monge. 178,938; Jan. 29
Fruit product, Dried California Peach & Fig Growers. 178,946; Jan. 29.
Gum, Chewing. H. W. White. 178,818; Jan. 29; Serial No. 185,100; published Nov. 6, 1923.
Milk and cream, Fresh. Hagerstown Dairy Company. 178,864; Jan. 29; Serial No. 180,598; published Nov. 6, 1923.
Milk, cream, butter, buttermilk, etc. C. R. Bowman. 178,966; Jan. 29.
Oil for mayonnaise and salads. Maggioros & Rousos. 178,807; Jan. 29; Serial No. 180,075; published Nov. 6, 1923.
Peaches and figs, Dried. California Peach & Fig Growers. 178,846; Jan. 29; Serial No. 177,827; published Nov. 6, 1923.
Peanut marmalade G. Swartz. 178,923; Jan. 29.
Raisin sirup, mincemeat, etc. Sun-Maid Raisin Growers. 178,829; Jan. 29; Serial No. 172,694; published Nov. 20, 1923.
Relish or sandwich filler, Vegetable. Schlorer Delicatessen Co. 178,793; Jan. 29; Serial No. 183,234; published Oct. 30, 1923.
Tomato purée, apple butter, canned peaches, etc. Stetson and Ellison Company. 178,815; Jan. 29; Serial No. 184,150; published Nov. 6, 1923.

CLASS 48.

Sirup, Malt. National Food Corporation. 178,970; Jan. 29.

CLASS 50.

Bottles and jars, Metal caps for. Closure Service Corporation. 178,786; Jan. 29; Serial No. 181,248; published Oct. 23, 1923.
Tents, Camping. James Field Company. 178,965; Jan. 29.
Tents, waterproof covers, and paulins. Tucker Duck & Rubber Co. 178,948; Jan. 29.

ALPHABETICAL LIST OF LABELS.

Adirondack. For Toilet Paper. Adirondack Tissue Paper Co. 26,812; Jan. 29.
American Beauty Bread. For Bread. Menasha Printing and Carton Company. 26,837; Jan. 29.
Avanti. For Tomato Paste. A. Mussatti. 26,842; Jan. 29.
Beverly. For Canned Corn. John Morrell & Co. 26,839; Jan. 29.
Beverly. For Canned Peas. John Morrell & Co. 26,840; Jan. 29.
Beverly. For Canned Tomatoes. John Morrell & Co. 26,841; Jan. 29.
Blue Bill. For Flour. I. L. Brenner. 26,815; Jan. 29.
Brown Beauty. For Cakes, Fried Cakes, and Cookies. Grennan Cake Corporation. 26,825; Jan. 29.
Butter Puff. For Cakes, Fried Cakes, and Cookies. Grennan Cake Corporation. 26,827; Jan. 29.
Chemi-Set. For Undergarments. Benjamin & Weil, Inc. 26,814; Jan. 29.
Cinderella's Palace. For Felt Slippers. Wiley-Bickford-Sweet Co. 26,850; Jan. 29.
Columbia Test Record. For Phonograph Records. Columbia Phonograph Company. 26,819; Jan. 29.
Dr. Fenton's Germ Remover. For A Germ Remover. Dr. Fenton's Min-er-o Tone Co. 26,822; Jan. 29.
Dr. Fenton's Louse Powder. For Louse Powder. Dr. Fenton's Min-er-o Tone Co. 26,821; Jan. 29.
Face Powder. For Face Powders. P. E. Page. 26,845; Jan. 29.
Flikwik. For Radiator Lock Caps for Automobiles. Standard Accessories Corp. 26,847; Jan. 29.
Fluff Rich. For Cakes, Fried Cakes, and Bread. Grennan Cake Corporation. 26,826; Jan. 29.
Form-O-Youth Reducing Foam. For a Cream used to Reduce Obesity. A. A. Ash. 26,813; Jan. 29.
Good Morning. For Butter. General Butter Corporation. 26,823; Jan. 29.
Goodyear's Gold Medal Self Vulcanizing Tube Repair Kit Test-The-Tensile. For a Vulcanizing Tube-Repair Kit. Goodyear Rubber Company. 26,824; Jan. 29.
Gudskyn. For Medicated Compound for Diseases of the Skin. Martin Minerals Products Co. 26,834; Jan. 29.
Haley's Hand Soap. For Soap. L. M. Haley. 26,829; Jan. 29.
Heger's Goitre Treatment. For Medicinal Preparation for Treating Goitres of Dogs. Heger Products Co. 26,830; Jan. 29.
Kaases. For Cakes, Pastries, Baked Goods. Richard W. Kaase Company. 26,831; Jan. 29.
Kelp-O-Dine. For a Tonic and Corrective. Kelp-O-Dine Company. 26,832; Jan. 29.
La Crownella. For Cigars. Crownel Cigar Company. 26,820; Jan. 29.
Lightning. For a Polish for Automobiles and Furniture. Lightning Manufacturing Co. 26,833; Jan. 29.
Marvelo Stove Polish. For Polishing Materials. J. Nekritz. 26,844; Jan. 29.
Mifflin Alkohol Massage. For Alcohol Preparation for Massaging and External Use. Mifflin Chemical Corporation. 26,838; Jan. 29.
Mity-Nice Bread. For Bread. Menasha Printing and Carton Company. 26,836; Jan. 29.
Olde Homesteade. For Fruit Sirups. California Laboratories, Inc. 26,816; Jan. 29.
Perfection Mayonnaise. For Mayonnaise. Pogm Co. 26,846; Jan. 29.
Regina. For Pound Cake. National Biscuit Company. 26,843; Jan. 29.
Rice's Pan-Dandy Bread. For Bread. City Baking Company. 26,817; Jan. 29.
Shapeholder Mattress. For Mattresses. O. Clark. 26,818; Jan. 29.
Taylor's Oil of Life For Man or Beast. For a Liniment Externally and Internally for Human Beings and Horses and Cattle. L. I. Taylor. 26,848; Jan. 29.
The Leather That Qualifies. For Leather. A. O. Trostel. 26,849; Jan. 29.
The Old Woman Who Lived in a Shoe. For Felt Slippers. Wiley-Bickford-Sweet Co. 26,851; Jan. 29.
Tuberose. For Canned Peaches. Mebius & Drescher Co. 26,835; Jan. 29.
White Mountain. For Cakes, Fried Cakes, and Cookies. Grennan Cake Corporation. 26,828; Jan. 29.
Witherspoon's Preparation. For a Preparation for the Teeth and Gums. T. S. Witherspoon. 26,852; Jan. 29.

ALPHABETICAL LIST OF PRINTS.

Band and Orchestra Instruments. For Musical Instruments and Supplies. J. E. Ward. 7,146; Jan. 29.
Canada Dry. It's Friendly to the Stomach. For Ginger Ale. Canada Dry Ginger Ale, Inc. 7,132; Jan. 29.
Chase—The New Chase Fits a Cravat (etc). For Collars. Cluett, Peabody & Co. 7,133; Jan. 29.
Gifts that Last. For Jewelry, Watches, and Clocks. J. E. Ward. 7,147; Jan. 29.
Goodyear's Gold Medal Self Vulcanizing Patch. For a Vulcanizing Tube Repair Kit. Goodyear Rubber Company. 7,137; Jan. 29.
His One Great Morning Need—and Your's. For Wheat Breakfast Food. Cream of Wheat Co. 7,134; Jan. 29.
How Many Women Do You Know Who Have Too Many Silk Stockings? For Hosiery. "Onyx" Hosiery Inc. 7,141; Jan. 29.
J. Henry Karp Manufacturing Chemist. For Hair Preparations. J. H. Karp. 7,139; Jan. 29.
Lot 84, Office Coat. White Duck Clothing. James E. Richards Company. 7,143; Jan. 29.
Mechanically Better! For Automobiles. C. M. Wilkinson. 7,149; Jan. 29.
Queen Of The Kitchen. For Combined Chopping and Crushing Utensil. M. H. Tyler Manufacturing Co. 7,145; Jan. 29.
Shade Valley Candy Co. For Candies. D. Ott. 7,142. Jan. 29.
The Duplex Rug and Embroidery Machine. For a Rug and Embroidery Machine. W. B. Madden. 7,140; Jan. 29.
3 Paint Prescriptions for Rot Decay and Rust. For Paint. E. I. du Pont de Nemours and Company. 7,136; Jan. 29.
Tung Foon. For Counters for the Game of Mah Jongg and the like. Tung Foon Co. 7,144; Jan. 29.
Well Fortified. For Wheat Breakfast Food. Cream of Wheat Co. 7,135; Jan. 29.
What Your Dog Needs. For Dog Foods and Dog Remedies. Heger Products Co. 7,138; Jan. 29.
You Will Keep an Even Temperature. For Flour. J. E. Ward. 7,148; Jan. 29.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 4.

Cleansing preparation. Chalmers Chemical Company. 188,296; Jan. 29.
Polish for mirrors, lamp reflectors, windows, etc. A. C. Pesterre. 181,217–8; Jan. 29.
Polish, Stove. H. Slatkin. 179,830; Jan. 29.
Shoe pastes, cakes, and liquids. F. F. Dalley Company. 181,676; Jan. 29.
Soap cream for shaving. Parke, Davis & Company. 188,025; Jan. 29.
Soap, Toilet. Crofts & Reed Co. 164,632; Jan. 29.

CLASS 6.

Bath compounds, Therapeutic. E. A. Wollitz. 179,761; Jan. 29.
Clay, Beauty. Mission Bead Company. 187,530; Jan. 29.
Cream, Facial. Lusanne Company. 152,018; Jan. 29.
Deodorant solution. Delight Manufacturing Company. 184,962; Jan. 29.
Hair tonic. N. Hurwitz. 188,206; Jan. 29.
Indigo, synthetic indigio paste, and caustic soda. Wah-Chang Trading Corporation. 182,320; Jan. 29.
Mouth wash. Cabana Company. 180,581; Jan. 29.
Oils, Fulling and scouring. U. S. Oil Company. 189,211; Jan. 29.
Ointment. R. T. French Company. 178,033; Jan. 29.
Ointment, Foot. A. H. Reist & Company. 187,485; Jan. 29.
Ointment for swelling and abscesses. H. Oustayan. 183,586; Jan. 29.
Ointment for the treatment of rheumatism, eczema, hemorrhoids, etc. B. Reinhold. 182,837; Jan. 29.
Perfumes, toilet waters, face creams, etc. American Druggists Syndicate. 187,368; Jan. 29.
Perfumes, toilet waters, face creams, etc. American Druggists Syndicate. 187,370; Jan. 29.
Powders, rouges, eyebrow crayons, lip sticks, etc., Face. F. R. Arnold & Co. 188,038; Jan. 29.
Preparation for constipation. M. Dimicell. 183,697; Jan. 29.
Preparation for treatment of billousness, flatulence, etc. James F. Ballard Incorporated. 188,401; Jan. 29.
Preparation for typewriter rollers or platens, Liquid. J. E. Fuller. 188,237; Jan. 29.
Preparation for use as an insect repellent. R. O. Willetts. 182,556 Jan. 29.
Remedy for constipation, External. Tergol Laboratories. 184,571; Jan. 29.
Salve. C. W. Owens. 188,275; Jan. 29.
Toilet preparations, Certain specified. Yvette Co. 187,367; Jan. 29.
Tonic, General medicinal. J. Spector. 188,060; Jan. 29.
Tonics and bitters, Stomach. P. De Vecchi. 186,049; Jan. 29.
Tooth paste. S. E. Weisstein. 185,167; Jan. 29.
Water softener and grease remover. Tromite Corporation. 188,255; Jan. 29.

CLASS 15.

Gasoline, lubricating oils, and greases. Hot Point Oil & Supply Company. 184,854; Jan. 29.
Oil, Base. D. A. Stuart & Co. 187,781; Jan. 29.

CLASS 16.

Lead, White. W. P. Fuller & Co. 188,837; Jan. 29.
Paint, Paraffine Companies. 183,589; Jan. 29.
Paints, Muralo Company. 183,399; Jan. 29.
Paints, G. Ruth. 187,133; Jan. 29.
Paints and varnishes. Standard Varnish Works. 188,073; Jan. 29.
Polish for automobiles, pianos, etc. J. J. Kent. 188,311; Jan. 29.
Wax for polishing wood, etc. Channell Limited. 182,846; Jan. 29.

CLASS 19.

Aeroplanes, automobiles, motorcycles, etc. Societe Anonyme des Aeroplanes G. Voisin. 141,536; Jan. 29.

CLASS 22.

Balls, Nonmetallic billiard, roque, and croquet. Stowe & Woodward Company. 185,850; Jan. 29.
Cards, Playing. United States Playing Card Company. 187,705; Jan. 29.
Dolls and toy animals. George S. Carrington Co. 187,985–8; Jan. 29.
Fish-bait spinners, Artificial. Enterprise Manufacturing Company. 188,791; Jan. 29.
Fish-bait spinners, Artificial. Enterprise Manufacturing Company. 188,796; Jan. 29.
Fishing floats. Enterprise Manufacturing Company. 188,798; Jan. 29.
Fishing lines, Snaps for attaching bait to. Enterprise Manufacturing Company. 188,828; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,793; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,795; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,806; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,808; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,818; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,821–6; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,830; Jan. 29.
Fishing reels. Enterprise Manufacturing Company. 188,835; Jan. 29.
Golfing tees. Niebio M'f'g. Co. 188,425; Jan. 29.
Skis, steering sleds, coaster wagons, toy velocipedes, etc. Marshall-Wells Company. 178,529; Jan. 29.
Toys, Folding. C. F. Hinck, jr. 187,160; Jan. 29.

CLASS 23.

Bread and meat slicing machine. U. S. Slicing Machine Company. 172,696; Jan. 29.
Bundling machines. Weldfast System, Inc. 188,350; Jan. 29.
Derricks and parts thereof. International Derrick & Equipment Company. 152,328; Jan. 29.
Gearing worm. Cleveland Worm and Gear Company. 188,047; Jan. 29.

Hoisting, digging, and conveying machinery and parts appurtenant thereto. Lidgerwood Mfg. Co. 187,751; Jan. 29.
Painting outfits and replacement parts, etc., Air-brush. Paasche Air Brush Company. 166,257; Jan. 29.
Pastes to labels, Machine for applying. B. Jones. 187,868; Jan. 29.
Plows and parts thereof. Syracuse Chilled Plow Company. 188,300; Jan. 29.
Pulleys and split pulleys. Pultex Manufacturing Company. 188,699; Jan. 29.
Railway equipment. Q & C Company. 170,953; Jan. 29.
Razor sets, Safety. American Safety Razor Corporation. 189,295; Jan. 29.
Saws, Hack. Skout Mfg. Company. 189,535; Jan. 29.
Scythes, hoes, rakes, etc. Van Camp Hardware & Iron Company. 187,554; Jan. 29.
Seed treaters. C. Allert. 185,069; Jan. 29.
Tools, Ironworkers'. W. T. Routh. 168,982; Jan. 29.
Tools, Metal-working, woodworking, and oil-well. Abegg & Reinhold Co. 188,876; Jan. 29.
Tools, Steel. Marion Tool Works, Inc. 187,525–7; Jan. 29.
Utensils, Household. Ernest Reich Company. 166,102; Jan. 29.

CLASS 26.

Scissors gauges. B. Klein. 151,551; Jan. 29.

CLASS 27.

Watch movements and cases. Ibex Watch Co. 174,779; Jan. 29.

CLASS 32.

Furniture, Household. Goldenberg's. 170,645; Jan. 29.
Furniture, Household. Hecht's Furniture House. 167,845; Jan. 29.
Furniture, Metal office. Roneo Limited. 185,147; Jan. 29.
Mattresses. De Witt-Seitz Company. 180,592; Jan. 29.

CLASS 33.

Crystal ware, plate glass, and glassware. Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey. 188,317; Jan. 29.
Glassware globes, Illuminating. Gillinder Brothers. 186,499–500; Jan. 29.
Glassware globes, Illuminating. Gillinder Brothers. 186,502; Jan. 29.

CLASS 35.

Tires, tubes, etc., Automobile. New England Mills Co. 187,761; Jan. 29.

CLASS 37.

Papers, styles, repairing, varnishes, etc., Stencil. D. Gestetner Limited. 175,859–60; Jan. 29.

CLASS 38.

Cartoons. King Features Syndicate, Inc. 188,155; Jan. 29.
Golf, Series of instruction charts for playing. Maynor Company. 178,113; Jan. 29.
Periodical, Fashion. Standard Corporation. 185,095; Jan. 29.
Periodical, Monthly. Dodge Manufacturing Corporation. 188,472; Jan. 29.
Periodical, Title to a monthly. W. E. Goodfellow. 188,152; Jan. 29.
Publication. G. C. Wilson. 177,257; Jan. 29.

CLASS 39.

Coats, suits, and wraps for women. Hurowitz & Erdrich. 172,946; Jan. 29.
Coats, vests, trousers, overcoats, etc. Lansburgh & Bro., Inc. 173,894; Jan. 29.
Dresses. Crystal Mills, Inc. 187,727; Jan. 29.
Gloves, underwear and hosiery. P. Centemeri & Co. 185,415; Jan. 29.
Gloves, underwear, and hosiery. P. Centemeri & Co. 185,419–20; Jan. 29.
Gloves, underwear, and hosiery. P. Centemeri & Co. 185,422–3; Jan. 29.
Gloves, underwear, and hosiery. P. Centemeri & Co. 185,427–8; Jan. 29.
Gloves, underwear and hosiery. P. Centemeri & Co. 185,437; Jan. 29.
Gloves, underwear, and hosiery. P. Centemeri & Co. 185,442; Jan. 29.
Hosiery and underwear. P. Centemeri & Co. 185,440; Jan. 29.
Hosiery, Ladies' silk and woolen. Rydal Mills, Inc. 187,387; Jan. 29.
Hosiery, Silk. Susquehanna Hosiery Mills. 187,393; Jan. 29.
Overalls, pants, shirts, etc. Helen Wholesale Dry Goods Company. 188,268; Jan. 29.
Shirts, knickerbockers, underwear, etc., Dress. B. A. Cohen. 187,564; Jan. 29.
Sweaters, bathing suits, and underwear. M. Cohen. 187,248; Jan. 29.
Undergarments, Ladies', misses', and children's. Mitchell Bros. Inc. 188,055; Jan. 29.

CLASS 40.

Binding strips, tapes, and trimmings. Nichols Underwear Corporation. 184,038; Jan. 29.
Binding strips, tapes and trimmings. Nichols Underwear Corporation. 184,145; Jan. 29.
Hair curlers. O. D. McClintock. 171,935; Jan. 29.
Hairpins, Wire. S. H. Goldberg. 177,603; Jan. 29.

CLASS 42.

Bedspreads. Primrose Draperies, Inc. 180,494; Jan. 29.
Corduroys in the piece. John S. Boyd Co. 173,228; Jan. 29.
Cotton fabrics and cotton piece goods. Max Kaufmann & Co. 186,910; Jan. 29.
Cotton piece goods. Boston Mfg. Company, 1901. 172,930; Jan. 29.
Cotton piece goods. Boston Manufacturing Company, 1901. 187,503; Jan. 29.
Cotton piece goods. John Farnum Co. 186,468; Jan. 29.
Cotton piece goods. Max Schwarz Textile Corporation. 187,389; Jan. 29.
Fabric piece goods and cut lengths, Pile. Collins & Aikman Co. 187,509; Jan. 29.
Hair nets. Eastern Hair Net Trading Co. 170,242; Jan. 29.
Hair nets. S. Glemby's Sons Co. 164,421–2; Jan. 29.
Linen piece goods, bed sheets, pillowcases, etc. Goldenberg's. 170,642; Jan. 29.
Shirtings in the piece. Reichenbach & Co. 187,769; Jan. 29.
Silk, cotton, etc., piece goods. Haas Brothers Fabrics Corporation. 184,205; Jan. 29.
Silk goods in the piece. J. A. Migel, Inc. 186,960; Jan. 29.
Woolen piece goods. Finsilver, Still & Moss, Inc. 187,048; Jan. 29.
Woolen piece goods. Forstmann & Huffmann Company. 186,890–1; Jan. 29.
Woolen piece goods. Forstmann & Huffmann Company. 187,938; Jan. 29.
Woolen piece goods. Glazier Manufacturing Co. 187,255; Jan. 29.

CLASS 43.

Yarns and threads. Société pour la Fabrication de la Soie "Rhodiaseta." 185,320; Jan. 29.

CLASS 44.

Corn pads. Talright, Inc. 186,033; Jan. 29.
Earphones. American Phonophor Corporation. 175,420; Jan. 29.

CLASS 45.

Beverage, Nonalcoholic. Glide Syrup Company. 183,922; Jan. 29.
Beverage purposes, Fruit juice used for. Chase & Co. 186,045; Jan. 29.
Ginger ale. Canada Dry Ginger Ale, Inc. 184,641–5; Jan. 29.
Ginger ale. Canada Dry Ginger Ale, Inc. 184,649; Jan. 29.

CLASS 46.

Apples, Fresh. Resetar Bros. 186,802; Jan. 29.
Apples, Fresh. Spokane Valley Growers Union. 165,424; Jan. 29.
Butter. Golden State Milk Company. 182,798; Jan. 29.
Candies. A. L. Miller. 184,345; Jan. 29.
Candy. Poppas Brothers. 183,938; Jan. 29.
Candy, Bar. T. K. Plakis. 187,017; Jan. 29.
Candy. G. Sheopoolos. 188,030; Jan. 29.
Candy. Sweet Candy Company. 183,678; Jan. 29.
Candy confections. A. H. Bechtol. 173,693; Jan. 29.
Canned fruits and vegetables. Barron-Gray Packing Co. 184,631; Jan. 29.
Canned fruits and vegetables. Haas Bros. 187,676; Jan. 29.
Canned vegetables and fish. Central Wholesale Groceries, Inc. 173,955; Jan. 29.
Cocoa powder for beverage purposes, etc., Sweetened. Knickerbocker Chocolate Co. 182,423; Jan. 29.
Confection, Orange. F. Friend. 177,967; Jan. 29.
Dress shields. Canfield Rubber Company. 170,121; Jan. 29.
Eggs, Frozen. Beatrice Creamery Company. 187,079; Jan. 29.
Figs. Henry W. Peabody & Co. 165,557–8; Jan. 29.
Flour, Buckwheat. H. S. Smith. 186,088; Jan. 29.
Fruits, jams, jellies, etc. Wemadit Specialty Kitchen. 182,854; Jan. 29.
Ice cream. W. R. Swett. 184,108; Jan. 29.
Ice-cream-flavoring compound. B. Heller & Company. 185,520; Jan. 29.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Macaroni, spaghetti, vermicelli, etc. San Diego Macaroni Manufacturing Company. 182,009; Jan. 29.
Maple cream, sirup, sugar in bulk, etc. Maple Grove Candies, Inc. 184,523; Jan. 29.
Marmalade, sweetened chocolate, fruits in sirup, etc. S. S. Pierce Co. 181,042; Jan. 29.
Milk, Cultured. M. Scherago. 187,388; Jan. 29.
Mincemeat. Old Time Mince Meat Corporation. 186,288; Jan. 29.
Oil, Olive. Fuller-Morrisson Company. 185,924; Jan. 29.
Oil, Olive. P. Lupi. 169,911; Jan. 29.
Pies, puddings, etc., Compound to be used in preparing the filling for. Federal Pure Food Company. 167,170; Jan. 29.
Poultry, Dressed. Dauber Brothers. 187,999; Jan. 29.
Powder for making ice cream, gravies, and custards, Gelatinous. National Egg Products Company. 166,898; Jan. 29.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abeles, Jules, Rochester, N. Y. Camera attachment. 1,482,339; Jan. 29.
Abraham, Gabriel, New York, N. Y. Spring link belt. 1,482,207; Jan. 29.
Abraham, Gabriel, New York, N. Y. Spring buckle. 1,482,208; Jan. 29.
Abraham, Gabriel, New York, N. Y. Automatic grip-relief buckle. 1,482,209; Jan. 29.
Acheson Corporation. (See Acheson, George W., assignor.)
Acheson, George W., Newark, N. J., assignor to Acheson Corporation, New York, N. Y. Rubber composition and making same. 1,482,340; Jan. 29.
Acme Knitting Machine & Needle Company. (See Simond, Walter A., assignor.)
Adams, Frank A. (See Main, A. F., and Adams.)
Adams, Morton L., Anchorage, Alaska. Belt-fastening hook. 1,482,282; Jan. 29.
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Repeater for multiplex systems. 1,481,817; Jan. 29.
Alcher, Gustav A., assignor of one-half to Droll Patent Corporation, San Francisco, Calif. Mattress-beating machine. 1,481,972; Jan. 29.
Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)
Akimoff, Nicholas W., assignor to Vibration Specialty Company, Philadelphia, Pa. Balancing machine. 1,481,785; Jan. 29.
Albert, Otto, assignor to Galland-Henning Mfg. Co., Milwaukee, Wis. Thrust-bar press. 1,482,061; Jan. 29.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,481,853; Jan. 29.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,481,882; Jan. 29.
Allbright-Nell Company, The. (See Buckham, Henry B., assignor.)
Altheer, Karl. (See Pawlik, F., and Altheer.)
Alvord, John F. (See Stowe, G., and Molyneux, assignors.)
American Bosch Magneto Corporation. (See Schwarzmann, W. E., and Rosner, assignors.)
American Brake Shoe & Foundry Company, The. (See Eisenberg, John H., assignor.)
American Button & Fastener Co. (See Elliott, William E., assignor.)
American Chain Company. (See Fageol, Rollie B., assignor.)
American Equipment Company. (See Bach, Julius H., assignor.)
American Shoe Machinery Company. (See Wright, W. C., Young, and Grover, assignors.)
American Syrup Co. (See Millen, Abraham, assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Demarest, Charles S., assignor.)
Anderson, Gustaf, Atlin, British Columbia, Canada. Combined saw jointer and gauge. 1,481,818; Jan. 29.
Andreck, Adam, and F. Rubczynski, Toronto, Ontario, Canada. Cue holder. 1,481,949; Jan. 29.
Andrews, Henry J., and J. M. Landenberger, Fort Wayne, Ind. Truck. 1,482,105; Jan. 29.
Andrioli, Vittorio, Schenectady, N. Y. Boiler-pipe connection. 1,482,060; Jan. 29.
Armstrong, Percy A. E., Loudonville, N. Y. Electrical cutting of metals. 1,481,854; Jan. 29.
Arnold, Oscar, Woodridge, N. J. Card holder. 1,482,341; Jan. 29.
Asbury, Dorsey F. (See Dawson, A. T., Buckham, and Asbury.)
Asbury, Dorsey F., Washington, D. C. Valve-operating mechanism. 1,481,951; Jan. 29.
Ashley, Frank M. (See Trust, H., and Ashley.)
Ashley, Walter A., Liverpool, N. Y. Timer. 1,481,950; Jan. 29.
Associated Engineering & Supply Company. (See Lebenstein, Joseph, assignor.)
Associated Engineering & Supply Company. (See Weeks, Shirley S., assignor.)
Atkinson, Thomas, and H. C. Day, Heywood, England. Automatic metal-type-distributing machine. 1,482,283; Jan. 29.
Atlas Powder Company. (See Mitscherling, Waldemar O., assignor.)
Atterholt, Susie M., West Albany, N. Y. Doll. Des. 63,839; Jan. 29.
Auster, Arthur C., assignor to Auster Limited, Birmingham, England. Adjustable hinge or joint for windscreens of motor cars and the like. 1,482,210; Jan. 29.
Auster Limited. (See Auster, Arthur C., assignor.)
Avery, Clarence W., and W. G. Vesey, assignors to Ford Motor Company, Detroit, Mich. Glass machinery. 1,482,106; Jan. 29.
Babits, Carl, Catasauqua, Pa. Automatically-swinging machine gun. 1,482,062; Jan. 29.
Bach, Hans J., assignor to Vincent Bach Corporation, New York, N. Y. Hand protector for wind instruments. 1,481,855; Jan. 29.
Bach, Julius H., assignor to American Equipment Company, Chicago, Ill. Automatic equalizer for brick-setting cranes. 1,482,365; Jan. 29.
Bach, Vincent Corporation. (See Bach, Hans J., assignor.)
Bäckström, Helge M. (See Cederberg, Ivar W., assignor.)
Bacharach, Herman, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company. Magnifying manometer. 1,481,952; Jan. 29.
Bacharach Industrial Instrument Company. (See Bacharach, Herman, assignor.)
Bachmann, Siegmund, Chicago, Ill. Box. 1,481,973; Jan. 29.
Badenhausen, John P., Philadelphia, Pa. Steam superheating system for marine boilers. 1,481,883; Jan. 29.
Baer, Charles H., assignor of thirty-three and one-third per cent to Arthur L. Holmes, San Francisco, Calif. Machine for stuffing cushions and the like. 1,482,063; Jan. 29.
Baggs, Kate B., Atlanta, Ga. Bath device. 1,481,819; Jan. 29.
Ballie, Samuel, Camden, N. J. Hollow throttle valve. 1,482,211; Jan. 29.
Baker, Joseph A., Salt Lake City, Utah, assignor to Rand Company, Inc., North Tonawanda, N. Y. Index device. 1,481,821; Jan. 29.
Bakken, Andrew H., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupter interlock. 1,481,884; Jan. 29.
Bamber, William, Sutton, England. Folding box. 1,482,180; Jan. 29.
Banks, William H., Winthrop, Mass. Safety highway approach to railway crossings. 1,482,181; Jan. 29.
Barbaron, Marius J. B., Neuilly-sur-Seine, France. Electromagnetic ignition switch for internal-combustion engines. 1,482,212; Jan. 29.
Barber, George T., Brooklyn, N. Y. Game. 1,481,786; Jan. 29.
Barman, Louis M., London, England. Addressing machine or like printing machine. 1,482,213; Jan. 29.
Barrett, Edward J., New York, N. Y. Lock device for shade rollers. 1,482,214; Jan. 29.
Barrs, Edward, London, England. Rabble for low-temperature coal-distillation purposes. 1,482,342; Jan. 29.
Barrundia, Federico Z., Oaxaca, Mexico. Pump. 1,481,820; Jan. 29.
Bartley, John C., assignor of one-half to H. I. Jones, Denver, Colo. Adjustable glare shield for automobiles. 1,481,974; Jan. 29.
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bate, Warwick G., Newton Falls, Ohio. Card holder. 1,482,182; Jan. 29.
Bäuerle, Tobias, Schwarzwald, Germany. Calculating machine. 1,482,372; Jan. 29.
Bausch & Lomb Optical Company. (See Poser, Max, assignor.)
Beach, Merrill A., Penn Yan, N. Y. Liquid-dispensing apparatus. 1,481,885; Jan. 29.
Bean, Floyd G., Minneapolis, Minn., assignor to Blekre Tire & Rubber Company, St. Paul, Minn. Vehicle tire. Des. 63,840; Jan. 29.

Beardmore, Sir William. (See Chorlton, A. E. L., and Doig, assignors.)
Beaton, Hugh S., Olympia, Wash. Weed-cutting device. 1,482,064; Jan. 29.
Beckley-Ralston Company, The. (See Bockius, Walter A., assignor.)
Begeman, Clara E., Milledgeville, Ill. Means for attaching the members of separable fasteners to garments. 1,481,953; Jan. 29.
Belber Trunk & Bag Company. (See La Pish, Benjamin, assignor.)
Belknap, Frank L. (See Howard, William R., assignor.)
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Operating mechanism for dump cars. 1,481,787; Jan. 29.
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump car. 1,481,788; Jan. 29.
Bender, Benedict H., assignor to Bender-Zimmer Company, Milwaukee, Wis. Cap. 1,481,975; Jan. 29.
Bender-Zimmer Company. (See Bender, Benedict H., assignor.)
Bendix, Vincent, Chicago, Ill. Clutch. 1,481,976; Jan. 29.
Bengel, William, Newport, Ark. Jack. 1,481,822; Jan. 29.
Benner, Arthur M., Olympia, Wash. Pocket match box. 1,481,977; Jan. 29.
Bennett, Ebenezer. (See Parsons, C. A., Bennett, and Rowe.)
Berg, Richard O., assignor to Michigan Steel Tube Products Company, Detroit, Mich. Machine for feeding tubing. 1,481,886; Jan. 29.
Berg, Richard O. and S., assignors to Michigan Steel Tube Products Company, Detroit, Mich. Welding tubes. 1,481,887; Jan. 29.
Berg, Simon. (See Berg, Richard O. and S.)
Bice, William O., Logan, Iowa. Clothespin. 1,481,978; Jan. 29.
Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Forging mechanism. 1,482,107; Jan. 29.
Blekre, Edgar O., Minneapolis, Minn. Vehicle tire. Des. 63,841; Jan. 29.
Blekre Tire & Rubber Company. (See Bean, Floyd G., assignor.)
Blunt, James G., Schenectady, N. Y. Locomotive grate shaker. 1,482,108; Jan. 29.
Blunt, James G., Schenectady, N. Y. Trailing truck frame. 1,482,183; Jan. 29.
Blunt, James G., Schenectady, N. Y. Truck-centering device. 1,482,109; Jan. 29.
Bockius, Walter A., Wilmette, assignor to The Beckley-Ralston Company, Chicago, Ill. Bumper. 1,481,789; Jan. 29.
Bockmühl, Max, Hochst-on-the-Main, and A. Schwarz, Frankfort-on-the-Main, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Making o-alkylated acids and derivatives thereof. 1,482,343; Jan. 29.
Bolesky, William F., assignor of one-half to J. E. Maloney, Detroit, Mich. Method and apparatus for cutting polygonal disk. 1,482,110; Jan. 29.
Bondietti, Louis, New York, N. Y. Combination thermo bottle. 1,482,215; Jan. 29.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,481,823; Jan. 29.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,481,824; Jan. 29.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,481,825; Jan. 29.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,482,111; Jan. 29.
Booker, Ernest G., Indianapolis, Ind. Hot-air furnace. 1,482,112; Jan. 29.
Boonzaier, Wilhelm G., New Wandsworth, London, England. Cigarette-making device. 1,481,970; Jan. 29.
Boosey, Edward W. N., Detroit, Mich. Seepage joint. 1,482,216; Jan. 29.
Borg & Beck Company, The. (See Nelson, Gustave C., assignor.)
Borst, Andrew J., jr., Buffalo, N. Y. Traction and driving mechanism for vehicles. 1,482,113; Jan. 29.
Bostic, Ralph R., Kansas City, Mo. Cable-measuring device. 1,481,980; Jan. 29.
Boye, James H., Chicago, Ill. Curtain rod. 1,481,981; Jan. 29.
Brace, Delbert B., and W. B. Thomas, Elmira, assignors to Eclipse Textile Devices, Inc., Elmira Heights, N. Y. Automatic electromagnet rover stop or breaker for spinning machines. 1,481,982; Jan. 29.
Brantford Computing Scales, Ltd. (See McGregor, James D., assignor.)
Brewster, Herbert M., Chicago, Ill. Snubber for vehicle springs. 1,482,114; Jan. 29.
Briggs, Roy A., Malone, N. Y. Bullet. 1,482,344; Jan. 29.
Brightman, G. F., et al. (See Brightman, Harrison M., assignor.)
Brightman, H. L., et al. (See Brightman, Harrison M., assignor.)
Brightman, Harrison M., assignor of one-fourth to G. F. Brightman, one-fourth to H. L. Brightman, and one-fourth to J. H. Brightman, Columbus, Ohio. Machine for counterboring nuts. 1,481,983; Jan. 29.
Brightman, J. H., et al. (See Brightman, Harrison M., assignor.)
Broluska, Amel B., Detroit, Mich. Tire structure. 1,482,217; Jan. 29.
Brooks, John C., Paterson, N. J., assignor to Draper Corporation, Hopedale, Mass. Filling-detecting mechanism. 1,482,218; Jan. 29.
Brooks, Lewis C., assignor to The National Paper Can Company, Milwaukee, Wis. Container. 1,482,219; Jan. 29.
Brothers, Eli, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,482,220; Jan. 29.
Brown, Albert G., assignor to The Brown Pistol-Sparking Plug Limited, London, England. Sparking plug for internal-combustion engines. 1,482,345; Jan. 29.
Brown, Lawrence W., Clinton, Mo. Toy helicopter. 1,481,826; Jan. 29.
Brown, Lawrence W., Clinton, Mo. Toy helicopter. 1,481,827; Jan. 29.
Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
Brown Pistol Sparking Plug Limited. (See Brown, Albert G., assignor.)
Bruce, Alfred W., New York, N. Y. Locomotive. 1,482,115; Jan. 29.
Brunnell, Homer A. (See Burtnett, Everett R., assignor.)
Brunswick-Balke-Collender Company, The. (See Carlson, Arthur F., assignor.)
Buckham, George T. (See Dawson, A. T., and Buckham.)
Buckham, George T. (See Dawson, A. T., Buckham, and Asbury.)
Buckham, Henry B., assignor to The Allbright-Nell Company, Chicago, Ill. Drying apparatus. 1,481,790; Jan. 29.
Bulley, Reginald H., Syracuse, N. Y. Apparatus for treating metals. 1,481,828; Jan. 29.
Burgess, Benjamin, Danville, Ill. Fruit gatherer. 1,482,346; Jan. 29.
Burnon, Will D., assignor of one-half to R. P. Carter, Spencer, N. C. Car-registering device. 1,481,954; Jan. 29.
Burtnett, Everett R., assignor of one-half to H. A. Brunnell, Los Angeles, Calif. Internal-combustion engine. 1,481,955; Jan. 29.
Buswell, Henry L. F. (See Hammond, J. H., jr., and Buswell.)
Butchart, William A. (See Carney, J. H., and Butchart.)
Callow, Arthur M., London, England. Grab. 1,482,116; Jan. 29.
Campbell, Charles M., Cleveland, and W. H. Smith, East Cleveland, Ohio. Machine for making cocks and faucets. 1,481,856; Jan. 29.
Candee, Andrew H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Air conductor for railway motors. 1,481,888; Jan. 29.
Carbo-Oxygen Company. (See Harris, John, assignor.)
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Differential gearing. 1,481,889; Jan. 29.
Carlson, Arthur F., Minneapolis, Minn., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Cue. 1,481,857; Jan. 29.
Carlson, Oscar F. (See Wilson, F. D., and Carlson.)
Carnegie, Alfred Q. (See Parsons, C. A., and Carnegie.)
Carnett, William W., Mountain View, Ark. Pencil clip or holder. 1,481,984; Jan. 29.
Carney, James H., and W. A. Butchart, Denver, Colo.; said Carney assignor to said Butchart. Operating mechanism for concentrating tables and the like. 1,482,284; Jan. 29.
Carter, Richard P. (See Burnon, Will D., assignor.)
Carufel, Louis H., Bismarck, N. Dak. Sand-blasting screen. 1,481,956; Jan. 29.
Cato, Joseph L., Elmhurst, N. Y. Explosion engine. 1,482,221; Jan. 29.
Causey, Guy M., Salem, Oreg. Dipper or scoop. 1,481,890; Jan. 29.
Caylor, James O. (See Weinman, C. J., Schuster, and Caylor.)
Cederberg, Ivar W., Berlin-Steglitz, Germany, assignor of seven-tenths to H. M. Blickström, Djursholm, Sweden. Apparatus for carrying out highly exothermic catalytic reactions between gases, particularly catalytic oxidation of ammonia with oxygen. 1,481,957; Jan. 29.
Central Scientific Company. (See Klopsteg, P. E., Hornberger, and Farr, assignors.)
Chandler & Price Company, The. (See Tyler, Ralph S., assignor.)
Chandler, Harry A., assignor to Dennison Manufacturing Co., Framingham, Mass. Tag package. 1,482,285; Jan. 29.
Chorlton, Alan E. L., Westminster, London, and J. S. Doig, Grimsby, assignors of one-third to Sir William Beardmore, Westminster, London, England. Power apparatus for use on vessels. 1,481,829; Jan. 29.
Chrisman, David D., Elkins Park, Pa. Faucet. 1,481,985; Jan. 29.
Clark, James H., Detroit, Mich. Expansible closure. 1,481,830; Jan. 29.

Cochran, Wesley E., Cleveland, Ohio. Combination lamp and license plate holder. Des. 63,842; Jan. 29.
Coffin, Joseph G., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Method and apparatus for measuring altitudes. 1,481,986; Jan. 29.
Cohen, Abraham, St. Louis, Mo. Last. 1,481,987; Jan. 29.
Colley, George F., assignor to W. J. Conolly, Athens, Ga. Antirattler. 1,482,286; Jan. 29.
Conduit, Sears B., jr. (See Turner, Herbert F., assignor.)
Connecticut Cone Co. (See Dickstein, I., and Shindell, assignors.)
Conner, George W., Roslindale, Mass. Fixture canopy. 1,482,347; Jan. 29.
Conolly, Warren J. (See Colley, George F., assignor.)
Corning Glass Works. (See Said, Jesse M., assignor.)
Corning Glass Works. (See Smith, Francis W., assignor.)
Coulter, James, Bridgeport, Conn. Chain link. Re15,752; Jan. 29.
Cowles, J. T., & Company. (See Cowles, John T., assignor.)
Cowles, John T., Chicago, Ill., assignor to J. T. Cowles & Company. Counterbalance-ladder construction. 1,482,117; Jan. 29.
Cox, Abram G. (See Swanson, Nels E., assignor.)
Craig, Louis B., Davenport, Iowa. Lid prop. 1,482,065; Jan. 29.
Crosby, Fred B., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. 1,482,348; Jan. 29.
Cross, Dee, Houston, Ark. Nonslipping attachment. 1,482,349; Jan. 29.
Cruikshank, James R., Vancouver, British Columbia, Canada. Rotary toothbrush. 1,481,891; Jan. 29.
Curl, William H., Fair Play, Mo. Gravel loader. 1,481,858; Jan. 29.
Curtis, Leonard T., Burlingame, Calif. Galvanizing rack. 1,482,066; Jan. 29.
Curtis, Naomi R., Norwalk, Conn. Undergarment. 1,481,791; Jan. 29.
Curtiss Aeroplane and Motor Company. (See Coffin, Joseph G., assignor.)
Curtiss, George E., assignor to Landers, Frary and Clark, New Britain, Conn. Teapot or similar article. Des. 63,843; Jan. 29.
Cutler-Hammer Mfg. Co., The. (See Packard, Horace N., assignor.)
Dailey, Harold S., Barker, N. Y. Governor for gas engines. 1,481,792; Jan. 29.
Danielson, Alfred, Black River Falls, Wis. Tool for extracting cotter pins and the like. 1,482,067; Jan. 29.
Danly, Robert C., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Snare drum. 1,481,988; Jan. 29.
Daughhetee, Dan W., Kiowa, Kans. Protecting shield for cooking-stove burners. 1,482,287; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. 1,482,351; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. Printing press. 1,482,352; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. Printing press. 1,482,353; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. Printing. 1,482,354; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. Printing press. 1,482,355; Jan. 29.
Dausmann, Charles F., Brooklyn, assignor to The Prismatone Co., Inc., New York, N. Y. Printing press. 1,482,356; Jan. 29.
Dawson, Arthur T., and G. T. Buckham, assignors to Vickers Limited, Westminster, London, England. Ordnance sighting apparatus. 1,481,859; Jan. 29.
Dawson, Arthur T., and G. T. Buckham, Westminster, London, England, and D. F. Asbury, assignors to United States Ordnance Company, Washington, D. C. Ordnance breech mechanism. 1,482,118; Jan. 29.
Day, Horace C. (See Atkinson, T., and Day.)
Dayton, James S., Cumberland, Md. Machine for sawing and punching rails. 1,482,350; Jan. 29.
Dayton Steel Foundry Company, The. (See Walkley, Frank H., assignor.)
Deben, Joseph W., Detroit, Mich. Syringe. 1,481,989; Jan. 29.
Deere & Company. (See Nelson, Nicholas R., assignor.)
Deere and Company. (See Wilson, F. D., and Carlson, assignors.)
De Forest, Lee, New York, N. Y., assignor to De Forest Phonofilm Corporation, Jersey City, N. J. Means for recording and reproducing sound. 1,482,119; Jan. 29.
De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)
Delahaye, Walter H., Ottawa, assignor to The National Manufacturing Company, Limited, Brockville, Ontario, Canada. Hand milking machine. 1,481,990; Jan. 29.
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Demarest, Charles S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Repeater arrangement for multiplex signaling. 1,481,831; Jan. 29.
Dennison Manufacturing Co. (See Chandler, Harry A., assignor.)
De Nordiske Fabriker. (See Lund, J., and Hausamann, assignors.)
Deuscher, Charles A., New York, N. Y. Electric connection. 1,482,288; Jan. 29.
Dial, Elmer, Mill Run, Pa. Tool for handling blasting caps. 1,482,184; Jan. 29.
Diamond Radio Products. (See French, Rensselaer W., assignor.)
Dickstein, Israel, and B. A. Shindell, assignors to Connecticut Cone Co., Inc., New Haven, Conn. Ice-cream cone. Des. 63,844; Jan. 29.
Donne, John C., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,481,793; Jan. 29.
Dodge, Harry, Danvers, Mass. Heat-conserving device. 1,482,289; Jan. 29.
Doig, John S. (See Chorlton, A. E. L., and Doig.)
Donogh, Andrew L., Griswold, Manitoba, Canada. Cultivator. 1,481,991; Jan. 29.
Dooley, Joseph R., assignor of one-half to C. W. Vink, Mobile, Ala. Railway-switch lock. 1,481,992; Jan. 29.
Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing multiple and miniature image effects in photography. 1,482,068; Jan. 29.
Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing multiple and miniature image effects in photography. 1,482,069; Jan. 29.
Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing a plurality of images of separate objects on a photographic film. 1,482,070; Jan. 29.
Dow Chemical Company, The. (See Kirst, William E., assignor.)
Drake, Charles, Eudora, Kans. Shaft-adjustment device. 1,481,993; Jan. 29.
Draper Corporation. (See Brooks, John C., assignor.)
Draper Corporation. (See Snow, Isaac, assignor.)
Droll, Joseph W., Oakland, Calif. Feeding and take-up device. 1,481,994; Jan. 29.
Droll Patent Corporation. (See Aicher, Gustav A., assignor.)
Dryer, William P., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,481,832; Jan. 29.
Duff, Lee F., and G. Langhans, Los Angeles, Calif. Dispensing stand. 1,482,071; Jan. 29.
Duke, Herbert H., Nottingham, England. Buckle for wrist-watch straps and the like. 1,481,995; Jan 29.
Duncan, Joseph S., Chicago, Ill. Printing machine. 1,481,860; Jan. 29.
Duncan, Otis, assignor of one-third to D. Goldstein, Birmingham, Ala. Track gauge and bridle bar. 1,481,996; Jan. 29.
Dunoyer, Louis D. J. A., Neuilly-sur-Seine, assignor to Société Anonyme des Forges et Ateliers de la Fournaise St.-Denis, Seine, France. Weighing and measuring apparatus. 1,482,222; Jan. 29.
Dupee, Charles F., Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Lease comb. 1,481,833; Jan. 29.
Dupin, Eugene A., assignor of one-third to H. J. Dupin, one-third to O. Hauser, and one-third to L. F. Dupin, New York, N. Y. Blood-transfusion apparatus. 1,481,794; Jan. 29.
Dupin, Harry J., et al. (See Dupin, Eugene A., assignor.)
Dupin, Leontine F. et al. (See Dupin, Eugene A., assignor.)
Duplan Silk Corporation. (See Hasler, Albert A., assignor.)
Earley, James A., Tyro, Kans. Pumping jack. 1,481,997; Jan. 29.
Eaton, Ralph W., Rochester, N. Y. Othodontic appliance. 1,481,861; Jan. 29.
Eclipse Machine Company. (See McGrath, William L., assignor.)
Eclipse Textile Devices, Inc. (See Brace, D. B., and Thomas, assignors.)
Egerton, Henry C., Ridgewood, N. J. Molding process. 1,482,185; Jan. 29.
Eisenberg, John H., Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,481,862; Jan. 29.
Eldredge, Harry H., East St. Louis, Ill. Flash-light stand. 1,481,998; Jan. 29.
Elledge, Harvey G., Bethel Township, near Pittsburgh, Pa. Production of carbon dioxide. 1,482,367; Jan. 29.
Elledge, Harvey G., Bethel Township, near Pittsburgh, Pa. Operation of fire extinguishers, etc. 1,482,368; Jan. 29.
Elliott, Harriett A., executrix. (See Elliott, Sterling.)
Elliott, Sterling, Cambridge, Mass., H. A. Elliott, executrix of said Sterling Elliott, deceased. Art of stencil making. 1,481,834; Jan. 29.
Elliott, William E., Grand Rapids, Mich., assignor to American Button & Fastener Co., Augusta, Me. Machine for mounting articles. 1,482,120; Jan. 29.
Ellis, Carleton, Montclair, N. J. Casting synethetic resin. 1,482,357; Jan. 29.
Ellis, Carleton, Montclair, N. J. Casting containing synthetic resin making same. 1,482,358; Jan. 29.
Ellison, William A., assignor to D. F. Murphy, Salem, Mass. Pipe wrench. 1,482,223; Jan. 29.
Elzey, Ora E., assignor of one-half to H. E. Willard, Akron, Ohio. Billiard-cue machine. 1,481,999; Jan. 29.

Elzi, Peter F., Denver, Colo. Bending tool. 1,482,290; Jan. 29.
England, Louis V., Laredo, Tex. Self-stropping safety razor. 1,482,291; Jan. 29.
Engman, Evald J., St. Bernard, Ohio. Candle-finishing die. 1,482,000; Jan. 29.
Engman, Evald J., St. Bernard, Ohio. Candle-finishing machine. 1,482,001; Jan. 29.
Engman, Evald J., assignor to Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candle lathe. 1,482,224; Jan. 29.
Ernst, Clemens. (See Schley, F. L., and Ernst.)
Errecaborde, José D., Buenos Aires, Argentina. Turning truck for vehicles. 1,482,121; Jan. 29.
Evans, William P., Manchester, England. Doll-head bearing and packing device for drying cylinders. 1,482,225; Jan. 29.
Fageol, Rollie B., Oakland, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Bumper for automobiles. 1,482,226; Jan. 29.
Fales, Emanuel F., Wilmington, N. C. Sheet-metal drafting instrument. 1,482,186; Jan. 29.
Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for vulcanizing annular tubes. 1,481,892; Jan. 29.
Fanning, Walter N., Vallejo, Calif. Radio system. 1,482,122; Jan. 29.
Fannon, Pat, Harlan, Ky. Powder jack. 1,481,958; Jan. 29.
Farbwerke vorm. Meister Lucius & Brüning. (See Bockmuhl, M., and Schwarz, assignors.)
Farr, Warren H., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Throttle-actuating device. 1,482,072; Jan. 29.
Farr, Willard H. (See Klopsteg, P. E., Hornberger, and Farr.)
Faust, Clyde A. (See Faust, Jacob N. and C. A.)
Faust, Jacob N. and C. A., Chicago, Ill. Girdle. 1,482,123; Jan. 29.
Fayer, Charles. (See Mutscheller, A., and Fayer.)
Felters Company, The. (See Guillaume, Ernest M., assignor.)
Felthousen, John H., assignor to S. Morgan Smith Company, York, Pa. Turbine. 1,482,292; Jan. 29.
Ferdinand, Ruth, De Land, Fla. Folding toilet chair. 1,482,073; Jan. 29.
Ferrier, Peter, Brisbane, Queensland, Australia. Means for protecting the springs of motor cars and other vehicles. 1,482,074; Jan. 29.
Fetter, William, Baltimore, Md. Self-healing tube. 1,482,124; Jan. 29.
Field, Crosby, Yonkers, N. Y. Heat-transferring apparatus and method. 1,482,227; Jan. 29.
Finch, Stanley W., Washington, D. C. Oil gauge. 1,481,835; Jan. 29.
Finch, William G. H., Jersey City, N. J. Recorder for radiotelegraph outfits. 1,482,293; Jan. 29.
Fishel, Leslie H., New York, N. Y. Article of jewelry and making the same. 1,481,894; Jan. 29.
Fisher, Andrew S. (See Fisher, William H., assignor.)
Fisher, William H., assignor of one-half to A. S. Fisher, Altoona, Pa. Socket wrench. 1,482,075; Jan. 29.
Fisk Rubber Company, The. (See Harders, Harry H., assignor.)
Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fleming, Raphael S., assignor to Merrell-Soule Company, Syracuse, N. Y. Desiccating process. 1,481,893; Jan. 29.
Flintkete Company, The. (See Overbury, Frederick C., assignor.)
Ford, Eugene A., Newton, Mass., assignor to R. E. D. Engine Company, Inc., New York, N. Y. Fuel-mixing means for internal-combustion engines. 1,481,795; Jan. 29.
Ford Motor Company. (See Avery, C. W., and Vesey, assignors.)
Ford Motor Company. (See Litle, Thomas J., jr., assignor.)
Fostoria Glass Company. (See Roe, Calvin B., assignor.)
Fourneaux, Emile A., Manchester, England. Mercerization and finishing of textile fabrics. 1,482,076; Jan. 29.
Fowler, Fred D., assignor to Hood Rubber Company, Watertown, Mass. Solid tire. Des. 63,845; Jan. 29.
Fraser, Warren F., Westboro, Mass. Grinding machine. 1,482,294; Jan. 29.
French, Rensselaer W., assignor, by mesne assignments, to Diamond Radio Products, Chicago, Ill. Radio apparatus. 1,481,959; Jan. 29.
Frew, Lancelot R., East Brisbane, Queensland, Australia. Cinematograph spool and spool box. 1,481,863; Jan. 29.
Friedman, Harold J., Savannah, Ga. Tar heater. 1,480,002; Jan. 29.
Friel, Grant, Chicago, Ill. Loose leaf check book. 1,482,003; Jan. 29.
Fulcher, Athul A., Binta, Okla. Adjustable land-side attachment for road graders. 1,482,295; Jan. 29.
Galland-Henning Mfg. Co. (See Albert, Otto, assignor.)
Gammeter, John E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making rubber articles. 1,481,895; Jan. 29.
Garey, John P., Elmira Heights, N. Y. Spinning frame and the like. 1,482,004; Jan. 29.
Garson, Henrik N. and T. N., New York, N. Y. Spring suspension for motor vehicles. 1,481,896; Jan. 29.
Garson, Thorvald N. (See Garson, Henrik N. and T. N.)
Gartner & Skoog. (See Skoog, Carl E., assignor.)
Gaster, George E., Chicago, Ill. Combustion-controlling system. 1,482,125; Jan. 29.
Gearon, Edward, Chicago, Ill. Suppository. 1,482,077; Jan. 29.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Dryer, William P., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Hastings, H. C., and Laycock, assignors.)
General Electric Company. (See Hendricks, Allan B., jr., assignor.)
General Electric Company. (See Hüttner, Fritz, assignor.)
General Electric Company. (See Jamieson, Bertrand G., assignor.)
General Electric Company. (See Jewitt, Dennis E., assignor.)
General Electric Company. (See Macmillan, Campbell, assignor.)
General Electric Company. (See Mapelsden, Harold H., assignor.)
General Electric Company. (See Peek, Frank W., jr., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Fuel Briquette Corporation, The. (See Vogel, Felix A., assignor.)
General Motors Corporation. (See Farr, Warren H., assignor.)
General Motors Corporation. (See Lea, John M., assignor.)
General Motors Corporation. (See Sturt, Alfred T., assignor.)
Gibson, William D., assignor of one-half to F. W. McCaffrey, Seattle, Wash. Combined measuring and dispensing device. 1,482,126; Jan. 29.
Gillooly, John J., New York, N. Y. Doll. Des. 63,846; Jan. 29.
Giordano, Francesco, Brooklyn, N. Y. Fruit grinder. 1,482,005; Jan. 29.
Glick, Ralph B., Riverside, Calif. Device for placing cork inserts in clutch plates. 1,482,127; Jan. 29.
Glidden, Alfred A., assignor to Hood Rubber Company, Watertown, Mass. Cord tire. Des. 63,847; Jan. 29.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Goddard, Charles M., and W. E. Powell, Denver, Colo. Drill bit. 1,482,128; Jan. 29.
Golding, Edwin L., New York, N. Y. Advertising means. 1,481,864; Jan. 29.
Goldstein, Dave. (See Duncan, Otis, assignor.)
Goll, Walter S., Fort Wayne, Ind. Means for regulating the cooling of internal-combustion engines. 1,482,129; Jan. 29.
Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodyear Tire & Rubber Company, The. (See O'Brien, William G., assignor.)
Goodyear Tire & Rubber Company, The. (See Shively, Walter E., assignor.)
Goodyear Tire & Rubber Company, The. (See Yackee, Burt H., assignor.)
Gouldbourn, Joseph, and F. Ricks, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Grinding machine. 1,482,296; Jan. 29.
Gourley, William J., Weatherford, Tex. Insect-exterminating machine. 1,482,006; Jan. 29.
Grand Rapids Show Case Company. (See Herrick, Rodney L., assignor.)
Granville, Bernard, New York, N. Y. Tire tread. Des. 63,848; Jan. 29.
Gray, Leo H., Stamford, Conn. Valve-spring-compressing device. 1,482,297; Jan. 29.
Greenison, Burt, New York, N. Y. Lock. 1,482,298; Jan. 29.
Greist Manufacturing Company, The. (See Lent, Wilmar F., assignor.)
Griest, Henry J., Chester, Pa. Window-cleaner's safety harness. 1,482,130; Jan. 29.
Griffith, George M., assignor of one-half to N. T. Lancaster, Dallas, Tex. Oil-fuse device. 1,482,181; Jan. 29.
Grover, George B. (See Wright, W. C., Young, and Grover.)
Grupka, Walter, Detroit, Mich. Toy pistol. 1,482,007; Jan. 29.
Guffey, Hamilton D., Unionville, Mo. Fence tool. 1,482,299; Jan. 29.
Guillaume, Ernest M., Worcester, assignor to The Felters Company, Inc., Boston, Mass. Window channel. 1,482,132; Jan. 29.
Gunthel, Alfred B., Sea Cliff, N. Y., assignor to Societe Anonyme des Cristalleries du Val St. Lambert, Val St. Lambert, Belgium. Goblet. Des. 63,849; Jan. 29.

Gussoff, George, New York, N. Y. Combination vanity box. 1,481,796; Jan. 29.
H-R Manufacturing Company. (See Saxton, Augustus C., assignor.)
Hadden, Nial, Buffalo, assignor of one-third to S. Woodward and one-third to P. Osterman, New York, N. Y. Method and apparatus for utilizing potential hydraulic energy. 1,481,797; Jan. 29.
Haeseler, Charles H., Philadelphia, Pa. Rotary engine. 1,481,865; Jan. 29.
Haisley, Charles A., Richmond, Ind. Automobile lock. 1,482,008; Jan. 29.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company, Buzzer. 1,481,897; Jan. 29.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electric drive for sound-reproducing machines. 1,481,898; Jan. 29.
Hamblin, Fred B., Columbus, Ohio. Bifurcated garment. 1,481,899; Jan. 29.
Hammer, Charles, Hollis Court Boulevard, N. Y. Cap. 1,481,960; Jan. 29.
Hammer, Charles, Hollis Court Boulevard, N. Y. Duplex locking means for bottle caps. 1,481,961; Jan. 29.
Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Curtain light for motor vehicles. 1,481,836; Jan. 29.
Hammond, John H., jr., and H. L. F. Buswell, Gloucester, Mass.; said Buswell assignor to said Hammond. Projectile. 1,481,798; Jan. 29.
Hand, Clarence B., Maplewood, Mo. Collar button. 1,481,799; Jan. 29.
Hanley, William L., jr., Bradford, Pa. Car-pushing apparatus for tunnel kilns. 1,482,228; Jan. 29.
Hansen, Alfred A. E., Philadelphia, Pa. Self-feeding and self-sharpening pencil. 1,482,300; Jan. 29.
Hansen, Niels, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centrifugally-actuated short-circuiting device. 1,481,900; Jan. 29.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Machine for separating solids from liquids. 1,482,229; Jan. 29.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Process and apparatus for discharging uncontaminated water from the bilge or ballast tank. 1,481,901; Jan. 29.
Harder, Henry, Grande Prairie, Alberta, Canada. Four-wheel drive. 1,482,301; Jan. 29.
Harders, Harry H., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanization of tubes. 1,481,902; Jan. 29.
Harris, John, Lakewood, Ohio, assignor to Carbo-Oxygen Company, Pittsburgh, Pa. Blowpipe. 1,481,800; Jan. 29.
Harrison, Noble C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. 1,481,801; Jan. 29.
Harrison, Paul Scheu Co. (See Scheu, William C., assignor.)
Harrold, George, Los Angeles, Calif. Adjustable sunshade and storm curtain for windshields. 1,482,230; Jan. 29.
Hart, Alvin L., East San Diego, Calif. Ice-cream freezer. 1,482,133; Jan. 29.
Hart, William J., assignor of one-fourth to A. W. Pangborn and one-fourth to F. D. Pangborn, St. Joseph, Mo. Shoe-lacing device. 1,481,903; Jan. 29.
Hasler, Albert A., Hazleton, Pa., assignor to Duplan Silk Corporation, New York, N. Y. Apparatus and method of testing silk threads. 1,482,231; Jan. 29.
Hastings, Hammond C., and N. Laycock, Rugby, England, assignors to General Electric Company. Electric-furnace control apparatus. 1,481,837; Jan. 29.
Hatch, Arthur G., Duluth, Minn. Concrete-block-making plant. 1,482,187; Jan. 29.
Hausamann, Hermann. (See Lund, J., and Hausamann.)
Hauser, Oscar, et al. (See Dupin, Eugene A., assignor.)
Hazeltine, Robert H., New York, N. Y. Game ball. 1,482,232; Jan. 29.
Heberling, John, assignor to Hickok Mfg. Company, Inc., Rochester, N. Y. Belt buckle. 1,482,009; Jan. 29.
Heist, Stuart H., Penllyn, assignor to Penn Rubber Products Corporation, Philadelphia, Pa. Method of and apparatus for covering cores. 1,481,866; Jan. 29.
Heller, L., & Son, Inc. (See Heller, Samuel, assignor.)
Heller, Samuel, assignor to L. Heller & Son, Inc., New York, N. Y. Jewelry box. Des. 63,850; Jan. 29.
Hellstrom, John A., Wheeling, W. Va. Change-speed transmission for lathe faceplates. 1,482,010; Jan. 29.
Henry, Nelson B., Atlanta, Ga., assignor to The Murray Company, Dallas, Tex. Apparatus for expressing oil from cotton and similar seed meats. 1,481,838; Jan. 29.
Herrick, Rodney L., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Showcase construction. 1,482,188; Jan. 29.
Hendricks, Allan B., jr., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. 1,481,904; Jan. 29.
Hescock, Ethan N., Westfield, N. J., assignor to New Jersey Foundry and Machine Company. Portable elevator. 1,482,302; Jan. 29.
Hewes & Potter. (See Hewes, James A., assignor.)
Hewes, James A., Melrose, assignor to Hewes & Potter, Boston, Mass. Men's neckwear. 1,481,839; Jan. 29.
Hewitt, Edwin P., deceased, Spokane, Wash.; Nellie Hewitt, administratrix. Combined safety and shut-off valve. 1,482,233; Jan. 29.
Hewitt, Nellie, administratrix. (See Hewitt, Edwin P.)
Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,482,189; Jan. 29.
Hiatt, Elmer, Newcastle, Ind. Adjustable visor. 1,482,078; Jan. 29.
Hickok Mfg. Company. (See Heberling, John, assignor.)
Hiles, Theron L., Niles, Mich. Apparatus for mixing air and gas. 1,482,011; Jan. 29.
Hill, Edward W. (See Nimz, W. E., and Rumpf, assignors.)
Hinchliffe, William, Huntsville, Ala. Guard for drawing frames. 1,481,840; Jan. 29.
Hird, Joseph H. C., Mason City, Nebr. Wire stretching and splicing tool. 1,482,303; Jan. 29.
Hoag, George F., Shavertown, N. Y. Tire tool. 1,482,304; Jan. 29.
Hodgson, William H., Rockville, Conn. Handle. 1,482,305; Jan. 29.
Hohenstein, Frederick C., Dunkirk, N. Y. Locomotive truck-curve-adjusting mechanism. 1,482,190; Jan. 29.
Holbrook, Harry R., Attleboro, Mass. Stapling machine. 1,481,867; Jan. 29.
Hold Tight Hat Adjuster, Inc. (See Rubenstein, Jacob, assignor.)
Holley, Clarence M. (See Oswald, E. P., and Holley.)
Holmes, Arthur L. (See Baer, Charles H., assignor.)
Hood Rubber Company. (See Fowler, Fred D., assignor.)
Hood Rubber Company. (See Glidden, Alfred A., assignor.)
Hood Rubber Company. (Seee Muir, Robert, assignor.)
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hornauer, Willy, Neukolln, Germany, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Electric winding device for spring motors. 1,482,191; Jan. 29.
Hornberger, Carl S. (See Klopsteg, P. E., Hornberger, and Farr.)
Hornig, August W. (See Rath, Stephan, assignor.)
Howard, William R., Ballston, N. Y., assignor to F. L. Belknap, Chicago, Ill. Making paper. 1,482,012; Jan. 29.
Huckins, Frank P., Newton, Mass. Conveyer apparatus. 1,481,868; Jan. 29.
Huey, George W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,481,905; Jan. 29.
Hughes, Dow B., New York, N. Y., assignor to Motor Ignition & Devices Company. Ignition system. 1,482,192; Jan. 29.
Hume, George C., Chilton, Wis. Clamping device. 1,482,193; Jan. 29.
Hüttner, Fritz, Berlin, Germany, assignor to General Electric Company. Starting mechanism for internal-combustion engines. 1,482,234; Jan. 29.
Indestructo Trunk Corporation, The. (See Owen, Richard W., jr., assignor.)
Inglis, Joseph J., Motherwell, Scotland. Electromagnetic appliance for handling plates, rails, bars, and the like. 1,482,235; Jan. 29.
International Chemical Company. (See Meyer, Ludvig A., assignor.)
International Precipitation Company. (See Welch, Harry V., assignor.)
Irvin, John W., Franklin, assignor of two-fifths to H. J. Way, Hastings, Nebr. Valve-in-head motor. 1,481,962; Jan. 29.
Jackson, Archibald J., Fort Ogden, Fla. Magnetic shipbuilding device. 1,481,906; Jan. 29.
Jamieson, Bertrand G., Hollywood, Ill., assignor, by mesne assignments, to General Electric Company. Switch. 1,481,841; Jan. 29.
Jones, John E., Industry, Ill. Handle protector. 1,482,194; Jan. 29.
Jarvis, Benjamin E., East Orange, and L. C. Lotz, Newark, N. J. Band-saw machine. 1,482,013; Jan. 29.
Jemelka, Joe, Moulton, Tex. Cultivator. 1,481,842; Jan. 29.
Jensen, Olaf, Notodden, assignor to Norsk Hydro-Elektrisk Kvaelslofaktieselskab, Christiana, Norway. Oxidation of nitrogen in electric furnaces. 1,481,907; Jan. 29.
Jessop, George A., assignor to S. Morgan Smith Company, York, Pa. Hydraulic turbine. 1,482,236; Jan. 29.
Jewitt, Dennis E., Rugby, England, assignor to General Electric Company. Electric-power system. 1,481,843; Jan. 29.
Johnson, Charles W., assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Wrapping machine. 1,482,014; Jan. 29.
Johnston, Howard H., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,481,908; Jan. 29.
Jones, Dorothy B. (See Roye, Louisa L., assignor.)
Jones, Ellis F., Burlington, Iowa. Piston. 1,481,909; Jan. 29.
Jones, Harley I. (See Bartley, John C., assignor.)
Jones, Ora E., Medicine Lake, Mont. Manifold closure lock. 1,481,910; Jan. 29.

Kalk, Morris, Tulsa, Okla. Belt buckle. 1,481,911; Jan. 29.
Kaminski, August. (See Kern, C., and Kaminski.)
Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Joist-welding machine. 1,481,912; Jan. 29.
Kaufmann, Jacob, Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,481,802; Jan. 29.
Kern, Charles, and A. Kaminski, St. Louis, Mo., assignors, by mesne assignments, to Peters Machinery Company, Chicago, Ill. Dough-working machine. 1,482,195; Jan. 29.
Ketring, Jacob L. (See Ketring, Orando C. and J. L.)
Ketring, Orando C. and J. L., Portland, Ind. Centrifugal propeller. 1,482,196; Jan. 29.
Kielberg, Henry, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company. Sheet-metal receptacle. 1,482,015; Jan. 29.
Kimball, Wallace D., assignor to Standard Sealing Equipment Corporation, New York, N. Y. Carton-closing machine with automatic stop mechanism. 1,482,197; Jan. 29.
King, Victor L., West Point, Miss. Ice-cream cabinet. 1,482,134; Jan. 29.
Kingman, Russell B., Orange, N. J. Scouring implement. 1,482,016; Jan. 29.
Kinnard, Frank M. and R. M., assignors of one-half to C. L. Sebring, Sebring, Ohio. Spreader. 1,481,913; Jan. 29.
Kinnard, Robert M. (See Kinnard, Frank M. and R. M.)
Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)
Kirst, William E., Saginaw, assignor to the Dow Chemical Company, Midland, Mich. Apparatus for making halogenated products. 1,482,306; Jan. 29.
Klopsteg, Paul E., Homewood, C. S. Hornberger, and W. H. Farr, assignors to Central Scientific Company, Chicago, Ill. Electric heater. 1,481,869; Jan. 29.
Knibbs, Frederick W. (See Smiley, P. T., and Knibbs.)
Könis, Adolf, Hoboken, N. J., assignor to H. K. Lorentzen, New York, N. Y. Apparatus for making saw blades. 1,481,863; Jan. 29.
Kopp, Nicholas, Pittsburgh, Pa. Globe for lighting fixtures. Des. 63,851; Jan. 29.
Koskinen, Kusta E., Brooklyn, N. Y. Freight-car door. 1,482,307; Jan. 29.
Kruschitzki, Johann, Breslau, Germany. Protecting device for twist drills. 1,482,369; Jan. 29.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Cut-out device for electrical utensils. 1,482,019; Jan. 29.
Lancaster, Norton T. (See Griffith, George M., assignor.)
Landenberger, John M. (See Andrews, H. J., and Landenberger.)
Landers, Frary and Clark. (See Curtiss, George E., assignor.)
Landers, Frary and Clark. (See Lamb, Joseph F., assignor.)
Langhans, George. (See Duff, L. F., and Langhans.)
La Pish, Benjamin, Norwood, assignor to The Belber Trunk & Bag Company, Philadelphia, Pa. Label holder. 1,481,851; Jan. 29.
Latremore, William M., assignor of one-half to J. H. Wallace, Boston, Mass. Stopper. 1,482,373; Jan. 29.
Laycock, Newton. (See Hastings, H. C., and Laycock.)
Lazaro, Bernardino. (See Lazaro, Vicente and B.)
Lazaro, Vicente and B., Buenos Aires, Argentina. Resilient wheel for vehicles. 1,481,852; Jan. 29.
Lea, John M., assignor to General Motors Corporation, Detroit, Mich. Igniting system. 1,482,060; Jan. 29.
Lebeis, Martin, Berlin-Friedenau, Germany, assignor to Vox Maschinen-Aktiengesellschaft, Berlin, Germany. Card-sorting machine. 1,482,198; Jan. 29.
Lebenstein, Joseph, Redwood City, assignor to Associated Engineering & Supply Company, San Francisco, Calif. Tube cleaner. 1,481,914; Jan. 29.
Leggett, Ida M., administratrix. (See Leggett, Joseph P.)
Leggett, Joseph P., deceased, by I. M. Leggett, administratrix, Carthage, Mo. Automobile-propelling mechanism. 1,482,017; Jan. 29.
Lent, Wilmar F., assignor to The Greist Manufacturing Company, New Haven, Conn. Combined tire-test gauge and valve. 1,482,237; Jan. 29.
Leonard, Chester S., Lansdowne, Pa. Nut-cracking machine. 1,482,018; Jan. 29.
Letts, Charles E., Detroit, Mich. Device for operating sliding sash or panels. 1,481,915; Jan. 29.
Lewis, Chester, Hazard, Ky. Automatic mine pump. 1,482,238; Jan. 29.
Ley, Joseph, Portland, Oreg. Wheel. 1,482,239; Jan. 29.
Lieberenz, Albert F., South Milford, Ind. Glare screen and clamp. 1,482,806; Jan. 29.
Lightcap, Laura A., Dubuque, Iowa. Buttonhole scissors. 1,482,309; Jan. 29.
Litle, Thomas J., jr., assignor to Ford Motor Company, Detroit, Mich. Securing wrist pins in pistons. 1,482,135; Jan. 29.
Little, Orton C., Menasha, Wis. Valve. 1,482,021; Jan. 29.
Little Wonder Laboratory. (See Shields, Fred W., assignor.)
Lodato, Joseph, Ogden, Utah. Rock drill. 1,482,310; Jan. 29.
Loncosty, Fred W., Genesee, Idaho. Ironing board and case. 1,482,081; Jan. 29.
Long, Clinton E. (See Long, Fred R. and C. E.)
Long, Fred R. and C. E., Berwick, Pa. Mail sorting and distributing machine. 1,482,311; Jan. 29.
Long, Leonard D., Charleston, S. C. Scoreboard. 1,481,916; Jan. 29.
Loose, Herman A., assignor to W. E. Trego, Cleveland, Ohio. Air-purification apparatus. 1,482,022; Jan. 29.
Lorentzen, Hans K. (See König, Adolf, assignor.)
Lotz, Leonard C. (See Jarvis, B. E., and Lotz.)
Louden Machinery Company, The. (See Neller, Albert H., assignor.)
Lowe, Fritz, assignor to the Firm of Carl Zeiss, Jena, Germany. Refractometer. 1,481,917; Jan. 29.
Lowe, James F., Milwaukee, Wis. Pitman oiler. 1,481,918; Jan. 29.
Ludwig & Ludwig, Inc. (See Danly, Robert C., assignor.)
Luhnow, Walter F., Oak Park, Ill. Phonograph. 1,481,870; Jan. 29.
Luhr & Friedl. (See Luhr, Otto, assignor.)
Luhr, Otto, assignor to Luhr & Friedl, Chicago, Ill. Manufacturing ice. 1,481,844; Jan. 29.
Lund, Jacob, and Hermann Hausamann, Fredrikstad, Norway, assignors to De Nordiske Fabriker, Christiania, Norway. Treatment of nonsaturated organic acids. 1,481,845; Jan. 29.
Lunde, John, Crookston, Minn. Signal bond. 1,482,082; Jan. 29.
Luongo, Aniello, New York, N. Y. Garment-cutting device. 1,481,804; Jan. 29.
Lyon, George A., Philadelphia, Pa. Buffer-attaching device. 1,481,963; Jan. 29.
Lyon, George A., Philadelphia, Pa. Automobile-buffer device. 1,481,964; Jan. 29.
Lyon, George A., Philadelphia, Pa. Buffer. 1,481,965; Jan. 29.
Lyon, George A., Philadelphia, Pa. Automobile buffer. 1,481,966; Jan. 29.
Lyon, George A., Philadelphia, Pa. Automobile-buffer device. 1,481,967; Jan. 29.
McAllister, William B., Cleveland, Ohio. Steering wheel and making same. 1,481,846; Jan. 29.
McCaffrey, Frank W. (See Gibson, William D., assignor.)
McCall, Arthur B., Springfield, Ill. Series phone-connecter block. 1,482,083; Jan. 29.
McCloud, Edward H., assignor, by mesne assignments, to The Kinnear Manufacturing Company, Columbus, Ohio. Door and the like. 1,481,847; Jan. 29.
McDermott, Garrett A., San Diego, Calif. Transmission band, puller, and holder therefor. 1,481,968; Jan. 29.
McGill, Thomas J., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Electric power system. 1,481,919; Jan. 29.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,482,084; Jan. 29.
McGregor, James D., assignor to Brantford Computing Scales, Ltd., Brantford, Ontario, Canada. Price scale. 1,481,920; Jan. 29.
Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Electric power system. 1,481,848; Jan. 29.
Magono, John, Boston, Mass. Apparatus for straightening billiard cues. 1,482,136; Jan. 29.
Main, Albert F., and F. A. Adams, Rochester, N. Y. Machine for cutting dough or similar material. 1,481,805; Jan. 29.
Mann, William B., sr., Marianna, Ark. Boll-weevil machine. 1,482,023; Jan. 29.
Mapelsden, Harold H., Schenectady, N. Y., assignor to General Electric Company. Flow meter and the like. 1,481,921; Jan. 29.
Marks, Isaac, Harvey, Ill. Receptacle. 1,482,085; Jan. 29.
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire bead. 1,482,240; Jan. 29.
Mason, Alfred E., San Francisco, Calif. Thrust screw for friction hoists. 1,482,312; Jan. 29.
Matthews, John F., Dover, England. Concrete fencing. 1,482,137; Jan. 29.
Mayworm, John H., Milwaukee, assignor to Wehr Steel Company, West Allis, Wis. Flask strap. 1,482,086; Jan. 29.
Meighan, Charles, Tarboro, N. C. Float valve. 1,482,241; Jan. 29.
Merrell-Soule Company. (See Fleming, Raphael S., assignor.)
Meyer, Ludvig A., assignor to International Chemical Company, Copenhagen, Denmark. Preserving already partly polymerized formaldehyde. 1,481,849; Jan. 29.
Michaud, Samuel, Roseburg, Oreg. Comb. 1,482,242; Jan. 29.
Michigan Steel Tube Products Company. (See Berg, Richard O. and S., assignors.)
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Contractible tire-building former. 1,481,850; Jan. 29.
Miethe, Adolf, Charlottenburg, near Berlin, Germany. Reflector. 1,482,313; Jan. 29.
Millen, Abraham, assignor to American Syrup Co., Boston, Mass. Jug. Des. 63,852; Jan. 29.

Miller, Charles H., Lineville, Iowa. Elevator safety device. 1,481,871; Jan. 29.
Miller, Charles H., Lineville, Iowa. Projectile. 1,481,872; Jan. 29.
Miller, Robert H., St. Louis, Mo. Tunnel kiln. 1,481,087; Jan. 29.
Miller, William J., New Iberia, La. Can. 1,481,922; Jan. 29.
Mitchell, Philip J., et al, executors. (See Young, Edgar E.)
Mittscherling, Waldemar O., assignor to Atlas Powder Company, Wilmington, Del. Centrifuge and means for heating the bowl thereof. 1,482,088; Jan. 29.
Moetteli, Arnold, Oberwinterthur, Switzerland. Chamber for dry cooling of coke. 1,481,873; Jan. 29.
Moloney, John E. (See Bolesky, William F., assignor.)
Molyneux, George E. (See Stowe, G., and Molyneux.)
Montella, Jaime, New York, N. Y. Flying machine. 1,482,243; Jan. 29.
Montgomery, Alonzo B., Lakewood, Ohio. Apparatus for compressing metallic particles. 1,481,806; Jan. 29.
Moomjian, Harry A., Chicago, Ill. Ice-cream-sandwich-making machine. 1,482,138; Jan. 29.
Moore, Oliver C., Cleveland, Ohio. Expansion-piston lapping-in tool. 1,482,089; Jan. 29.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Door latch. 1,481,874; Jan. 29.
Morey, Edwin G. (See Wheeler, Edgar H., assignor.)
Morgan Construction Company. (See Crosby, Fred B., assignor.)
Morgan, Edmund C., deceased, New York, N. Y., O. E. Morgan, executrix. Mining machine. 1,482,199; Jan. 29.
Morgan, Edmund C., New York, N. Y., O. E. Morgan, executrix of said E. C. Morgan, deceased. Mining system and apparatus. 1,481,875; Jan. 29.
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morton, Edmund R., New York, N. Y. Airplane-camera suspension. 1,482,244; Jan. 29.
Mossberg, Frank, Company. (See Tuttle, Walter I., assignor.)
Motor Ignition & Devices Company. (See Hughes, Dow B., assignor.)
Muir, Robert, assignor to Hood Rubber Company, Watertown, Mass. Solid tire. Des. 63,858; Jan. 29.
Munn, William G., Louisville, Ky. Golf-tee mold. 1,482,024; Jan. 29.
Murphy, David F. (See Ellison, William A., assignor.)
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, Thomas, Brawley, Calif. Billiard and pool table cover. 1,482,314; Jan. 29.
Murray Company, The. (See Henry, Nelson B., assignor.)
Murray, John F., Brooklyn, N. Y. Production of conduits. 1,481,807; Jan. 29.
Mutscheller, Arthur, and C. Fayer, New York, N. Y., assignors to Wappler Electric Company, Inc. Auto transformer with heating coils. 1,481,876; Jan. 29.
Myers, Frederick, New York, N. Y. Pneumatic-tire valve. 1,482,315; Jan. 29.
Nash, George H., Highbury, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for locating the direction of a source of vibration. 1,481,923; Jan. 29.
National Manufacturing Company Limited, The. (See Delahaye, Walter H., assignor.)
National Paper Can Company, The. (See Brooks, Lewis C., assignor.)
Nederlandsche Fabriek van Bronswerken voorheen Becht & Dyserinck. (See Wortman, J. L. C., and Visser, assignors.)
Negro, Luigi, Bucharest, Rumania. Panification. 1,482,245; Jan. 29.
Neller, Albert H., assignor to The Louden Machinery Company, Fairfield, Iowa. Animal-leading device. 1,482,366; Jan. 29.
Nelson, Gustave C., assignor to The Borg & Beck Company, Moline, Ill. Vacuum-feed system. 1,481,877; Jan. 29.
Nelson, Nicholas R., East Moline, assignor to Deere & Company, Moline, Ill. Lug for wheels. 1,482,139; Jan. 29.
Nelson, Oscar M., assignor to The United States Sugar Co., New Haven, Conn. Evaporator. 1,481,924; Jan. 29.
Neutwig, Ernest B., Jefferson City, Mo. Safety-chain fastener. 1,482,316; Jan. 29.
Neuhengen, Alexander J., Chicago, Ill. Cutting and punching machine. 1,482,025; Jan. 29.
New Jersey Foundry and Machine Company. (See Hescock, Ethan N., assignor.)
New System Oil Burner Limited. (See Rutherford, Edward J. Y., assignor.)
Nilson, Richard D., Denver, Colo. Fire escape. 1,482,026; Jan. 29.
Nims, William E., and M. Rumpf, assignors to E. W. Hill, Chicago, Ill. Loose-leaf binder. 1,482,246; Jan. 29.
Norsk Hydro-Elektrisk Kvaelsiofaktieselskab. (See Jensen, Olaf, assignor.)
Norwalk Tire & Rubber Company, The. (See Schmidt, Henry G., assignor.)
Nowland, Benoni, Englewood, N. J., assignor to Twisted Wire and Steel Company, New York, N. Y. Combination stretching and sealing machine. 1,482,247; Jan. 29.
Nuhn, Albert, Vermilion, Ohio. Lighter. 1,481,925; Jan. 29.
O'Brien, William G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making thioureas. 1,482,317; Jan. 29.
Ochse, William, San Antonio, Tex. Toothbrush. 1,482,027; Jan. 29.
Ochtman, Arthur F., Coscob, Conn. Switch for auto turning signals. 1,482,248; Jan. 29.
Ohio Tractor Company, The. (See Zuhars, Benjamin C., assignor.)
Orr, Edward E., Weymouth, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Gauging device. 1,482,140; Jan. 29.
Osterman, Palmer, et al. (See Hadden, Nial, assignor.)
Oswald, Earl P., and C. M. Holley, assignors to Utility Compressor Company, Detroit, Mich. Artificial refrigerating apparatus. 1,482,028; Jan. 29.
Overbury, Frederick C., Hillsdale, N. J., assignor to The Flintkote Company, Boston, Mass. Method of and means for coating the edges of roofing elements. 1,482,090; Jan. 29.
Owen, Richard W., jr., Chicago, Ill., assignor, by mesne assignments, to The Indestructo Trunk Corporation, Mishawaka, Ind. Wardrobe-trunk-drawer retainer. 1,482,029; Jan. 29.
Packard, Horace N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Apparatus for determining and also indicating the total available heat of a flow of combustible fluid. 1,482,091; Jan. 29.
Packard Motor Car Company. (See Hammerl, Jacob, assignor.)
Pagliuco, Antonio, Natick, Mass. Key. 1,482,249; Jan. 29.
Palmer, Edward B., Montreal, Quebec, Canada. Locker and means for locking and releasing the same. 1,481,878; Jan. 29.
Palmer, Joe C., Fort Worth, Tex. Oil pump. 1,482,030; Jan. 29.
Pangborn, Alonzo W., et al. (See Hart, William J., assignor.)
Pangborn, Frances D., et al. (See Hart, William J., assignor.)
Parker, Stearns & Company. (See Stearns, Emory W., assignor.)
Parks, Emerson M., Sawtelle, Calif. Packing structure. 1,482,141; Jan. 29.
Parsons, Charles A., and A. Q. Carnegie, Newcastle-on-Tyne, England, said Carnegie assignor to said Parsons. Packing for rotating bodies. 1,482,031; Jan. 29.
Parsons, Charles A., E. Bennett, and H. Rowe, Newcastle-upon-Tyne, England, said Bennett and Rowe assignors to said Parsons. Searchlight and other projectors. 1,482,142; Jan. 29.
Parsons, Daniel E., Knoxville, Tenn. Portable-building construction. 1,482,250; Jan. 29.
Pawlik, Frans, Rorschach, and K. Altheer, Horn, assignors to J. Schmidheiny, Hierbrugg, St. Gallen, Switzerland. Thermostatic circuit closer. 1,482,032; Jan. 29.
Peebles, David D., Eureka, Calif. Apparatus for concentrating milk. 1,482,143; Jan. 29.
Peek, Frank W., jr., Pittsfield, Mass., assignor to General Electric Company. Protective device. 1,482,318; Jan. 29.
Pekala, Wladyslaw, Verona, N. Y. Juice press. 1,482,251; Jan. 29.
Pellkofer, Joseph, Clifton Heights, assignor to George W. Smith & Company, Incorporated, Philadelphia, Pa. Wood disk wheel. 1,482,252; Jan. 29.
Pender, Lorenzo D., Tarboro, N. C. Garbage-disposal device. 1,482,144; Jan. 29.
Penn Rubber Products Corporation. (See Heist, Stuart H., assignor.)
Pennsylvania Company, The, et al, executors. (See Young, Edgar E.)
Pernot, Frederick E., London, England, and L. J. Rich, Eastern Telegraph Company Limited, Malta. Means for effecting phase adjustment of electrical systems. 1,482,375; Jan. 29.
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Mold. 1,482,145; Jan. 29.
Perrine, Clarence D., Cleveland, Ohio. Garment supporting and displaying device. 1,482,253; Jan. 29.
Peters Machinery Company. (See Kern, C., and Kaminski, assignors.)
Pfeffer, John E., assignor, by mesne assignments, to M. W. Woolsey, Chicago, Ill. Oil-burning apparatus. 1,481,879; Jan. 29.
Pille, Frederick D., Denver, Colo. Electrical connecter. 1,482,254; Jan. 29.
Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Pomilio, Alessandro, New York, N. Y. Folding baby cart. 1,482,146; Jan. 29.
Poser, Max, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic test-lens frame. 1,481,926; Jan. 29.
Potts, Fred H., Asheville, N. C. Electric-bulb attacher. 1,482,147; Jan. 29.

Powell, William E. (See Goddard, C. M., and Powell.)
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Protective device for moving-picture machines. 1,482,200; Jan. 29.
Power, Nicholas, Company. (See Power, Nicholas, assignor.)
Powers, Edward W., Boston, assignor, by mesne assignments, to B. F. Smith, Concord, Mass. Spinning ring. 1,482,255; Jan. 29.
Pownall, Henry D., Canton, Ohio. Artificial-ice-making apparatus. 1,481,927; Jan. 29.
Pownall, Henry D., Canton, Ohio. Artificial refrigerating apparatus. 1,481,928; Jan. 29.
Prall, Gustav, New York, N. Y. Telescopic hydraulic jack. 1,482,256; Jan. 29.
Preston, Norman A., New York, N. Y. Automobile lock. 1,481,929; Jan. 29.
Price, Samuel T., Auburn, Ala. Envelope moistener. 1,482,319; Jan. 29.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,481,880; Jan. 29.
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,481,881; Jan. 29.
Prismatone Co., The. (See Dausmann, Charles F., assignor.)
Pukel, Joseph, New York, N. Y. Swimming device. 1,482,033; Jan. 29.
Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,482,201; Jan. 29.
R. E. D. Engine Company. (See Ford, Eugene A., assignor.)
Radio Corporation of America. (See Weinberger, Julius, assignor.)
Rail Joint Company, The. (See Wolhaupter, Benjamin, assignor.)
Rand Company, Inc. (See Baker, Joseph A., assignor.)
Rath, Stephan, assignor of one-half to A. W. Hornig, Chicago, Ill. Self-adjusting bearing lock. 1,482,092; Jan. 29.
Ratigan, James P., Los Angeles, Calif. Clamp. 1,482,148; Jan. 29.
Rawlings, Arthur D. and E. J., London, England. Sash raising and fastening mechanism. 1,482,257; Jan. 29.
Rawlings, Ernest J. (See Rawlings, Arthur D. and E. J.)
Reed, Raymond S., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Gas burner. 1,482,258; Jan. 29.
Reen, Daniel J., Clyman, Wis. Sanitary chicken perch. 1,482,034; Jan. 29.
Reeves, Frank N., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,481,909; Jan. 29.
Remington Typewriter Company. (See Seib, George A., assignor.)
Remy, Frank J., Brooklyn, N. Y. Parallelometer. 1,482,149; Jan. 29.
Rennau, Albert. (See Rumpler, E., and Rennau.)
Rice, Zachariah E., Landisburg, Pa. Safety. 1,482,150; Jan. 29.
Rich, Lester J. (See Pernot, F. E., and Rich.)
Ricks, Fred. (See Gouldbourn, J., and Ricks.)
Riley, Michael J., East Cleveland, Ohio. Bolt machine. 1,482,359; Jan. 29.
Rindesbacher, Peter M., Stockton, Ill. Unloading device for corn. 1,482,093; Jan. 29.
Ripley, William R., Modesto, Calif. Ice-cream dipper. 1,482,094; Jan. 29.
Roach, James P., New York, N. Y. Cotton picker. 1,481,808; Jan. 29.
Roberts, Charles C., Ansonia, Conn. Clip and handle for cigar boxes. 1,482,035; Jan. 29.
Rock, Frank J. (See Staley, H. L., and Rock.)
Roe, Calvin B., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined candle holder and bobache. Des. 63,854; Jan. 29.
Roebling's, John A., Sons Company. (See Harrison, Noble C., assignor.)
Roebling's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
Rosenberg, Heyman, New York, N. Y. Metallic fastener. 1,482,151; Jan. 29.
Rosenfeld, Edward M., Cleveland, Ohio. Radiator. 1,482,320; Jan. 29.
Rosner, Adolph. (See Schwarzmann, W. E., and Rosner.)
Ross, Taylor W., Newport News, Va. Calculating machine. 1,482,152; Jan. 29.
Ross, Taylor W., Newport News, Va. Calculating machine. 1,482,153; Jan. 29.
Rowe, Harry. (See Parsons, C. A., Bennett, and Rowe.)
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Accelerator for dry-pipe valves. 1,482,259; Jan. 29.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic sprinkler. 1,482,260; Jan. 29.
Roy, Camille E., Chicago, Ill. Jewelry tray. 1,482,202; Jan. 29.
Roye, Louisa L., Malvern, assignor of one-half to D. B. Jones, Philadelphia, Pa. Child's underbody. 1,482,321; Jan. 29.
Rubczynski, Frank. (See Andreck, A., and Rubczynski.)
Rubenstein, Jacob, assignor to Hold Tight Hat Adjuster, Inc., New York, N. Y. Hat adjuster and retainer. 1,482,261; Jan. 29.
Rumpf, Max. (See Nims, W. E., and Rumpf.)
Rumpler, Edmund, Berlin-Johannisthal, and A. Rennau, Berlin-Tegel, Germany, said Rennau assignor to said Rumpler. Absorption refrigerator. 1,482,322; Jan. 29.
Rusby, John M., assignor to The United Gas Improvement Company, Philadelphia, Pa. Self-steaming blue-gas plant. 1,482,360; Jan. 29.
Rutherford, Edward J. Y., assignor to New System Oil Burners Limited, London, England. Liquid-fuel burner. 1,482,262; Jan. 29.
Saco-Lowell Shops. (See Dupee, Charles F., assignor.)
Said, Jesse M., assignor to Corning Glass Works, Corning, N. Y. Glass-pressing mechanism. 1,482,363; Jan. 29.
Sakamoto, Shikataro, Stockton, Calif. Potato and fruit picking bucket. 1,482,203; Jan. 29.
Samerotti, George, Newark, N. J. Stencil holder. 1,482,264; Jan. 29.
Sanders, Howell R., Sacramento, Calif. Rotary-feed gang saw. 1,482,323; Jan. 29.
Saxton, Augustus C., assignor to H-B Manufacturing Company, Chicago, Ill. Lock. 1,482,154; Jan. 29.
Schablow, Louis H., New Berlin, Wis. Flagpole. 1,482,036; Jan. 29.
Scheu, William C., Los Angeles, assignor to Harrison, Paul Schen Co., Upland, Calif. Gas generator. 1,481,809; Jan. 29.
Schiltz, John M., Fort Worth, Tex. Sharpener for safety-razor blades. 1,482,265; Jan. 29.
Schley, Frederick L., and C. Ernst, Brooklyn, N. Y. Motor-driven agricultural machinery. 1,482,266; Jan. 29.
Schmidheiny, Jacob. (See Pawlik, F., and Altheer, assignors.)
Schmidt, Henry G., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn. Tire. Des. 63,855; Jan. 29.
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Apparatus for lubricating the bore of fire-arms during firing. 1,481,930; Jan. 29.
Schnitzler, Bernhard, New York, N. Y. Roofing tile. 1,482,267; Jan. 29.
Schopper, Charles, New York, N. Y. Clothesline support and tightener. 1,482,268; Jan. 29.
Schuhmann, Peter S., Woodhaven, N. Y. Filter leaf. 1,481,931; Jan. 29.
Schultz, Walter A., Brownsville, Tex. Sign. 1,482,324; Jan. 29.
Schuster, Mark T. (See Weinman, C. J., Schuster, and Caylor.)
Schwarz, Adolf. (See Bockmühl, M., and Schwarz.)
Schwarzmann, Wolfgang E., Longmeadow, and A. Rosner, assignors to American Bosch Magneto Corporation, Springfield, Mass. Timer distributor. 1,482,204; Jan. 29.
Sebring, Charles L. (See Kinnard, Frank M. and E. M., assignors.)
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,481,810; Jan. 29.
Semet-Solvay Company. (See Reed, Raymond S., assignor.)
Serrell, John J., Elizabeth, assignor to Smith and Serrell, Mahwah, N. J. Flexible coupling. 1,482,095; Jan. 29.
Seymour, Arthur J., St. Paul, Minn., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Cord circuit. 1,482,374; Jan. 29.
Sharp, Isaac M., San Francisco, Calif. Oil burner. 1,482,269; Jan. 29.
Sherbondy, Earl H., assignor to S. D. Waldon, Detroit, Mich. Steering gear. 1,482,155; Jan. 29.
Sheronas, Frank P., New Haven, Conn. Antiskid attachment. 1,482,156; Jan. 29.
Shields, Fred W., Kansas City, Mo., assignor to Little Wonder Laboratory, Atchison, Kans. Soap paste. 1,481,811; Jan. 29.
Shindell, Benjamin A. (See Dickstein, I., and Shindell.)
Shipley, Thomas, York, Pa. Measuring can filler. 1,482,157; Jan. 29.
Shipley, Thomas, York, Pa. Water measuring and feeding device for can ice plants. 1,482,158; Jan. 29.
Shively, Walter E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus and method for molding tread bands. 1,482,325; Jan. 29.
Shuster, Fredrick J., Clifton Station, Va. Head protector. 1,482,270; Jan. 29.
Simms, James N., Chicago, Ill. Dinner pail. 1,482,271; Jan. 29.
Simond, Walter A., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Dial-holding mechanism. 1,481,812; Jan. 29.
Skoog, Carl E., Cranston, assignor to Gartner & Skoog, Providence, R. I. Separable button. 1,481,932; Jan. 29.
Smiley, Pearl Y., and F. W. Knibbs, Kitchener, Ontario, Canada. Footwear. 1,482,037; Jan. 29.
Smith and Serrell. (See Serrell, John J., assignor.)
Smith & Serrell. (See Smith, Robert A., assignor.)
Smith, Benjamin F. (See Powers, Edward W., assignor.)
Smith, Delos H., et al. (See Smith, Lester, assignor.)

Smith, Francis W., Cranford, N. J., assignor to Corning Glass Works, Corning, N. Y. Apparatus for severing vitreous articles. 1,482,272; Jan. 29.
Smith, George A., Los Angeles, Calif. Cushion. 1,482,096; Jan. 29.
Smith, George W., & Company. (See Pellkofer, Joseph, assignor.)
Smith, Lester, assignor of one-fourth to D. H. Smith, one-fourth to D. B. Smith, and one-fourth to O. H. Smith, Port Washington, Wis. Shipping crate. 1,482,038; Jan. 29.
Smith, Oliver H., et al. (See Smith, Lester, assignor.)
Smith, Robert A., assignor to Smith & Serrell, Mahwah, N. J. Flexible coupling. 1,482,097; Jan. 29.
Smith, S. Morgan Company. (See Felthousen, John H., assignor.)
Smith, S. Morgan Company. (See Jessop, George A., assignor.)
Smith, William H. (See Campbell, C. M., and Smith.)
Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,482,361; Jan. 29.
Societe Anonyme des Cristalleries du Val St. Lambert. (See Gunthel, Alfred B., assignor.)
Société Anonyme des Forges et Ateliers de la Fournaise. (See Dunoyer, Louis, D. J. A., assignor.)
Sorenson, Harry N., Toledo, Ohio. Door buffer. 1,482,041; Jan. 29.
Sorenson, Harry N., Toledo, Ohio. Door hinge. 1,482,040; Jan. 29.
Sorenson, Harry N., Toledo, Ohio. Door lock. 1,482,039; Jan. 29.
Spartivento, William, Buffalo, N. Y. Coffee roaster. 1,482,273; Jan. 29.
Spencer, Guilford L., Herricks, Me. Drier. 1,482,274; Jan. 29.
Spilger, Paul, Frankfort-on-the-Main, Germany. Motor belt-tensioning appliance. 1,482,370; Jan. 29.
Sponsler, Reed, Humeston, Iowa. Cleaning device. 1,482,326; Jan. 29.
Spung, Delmar R., Crooksville, Ohio. Emergency brake for vehicles. 1,482,159; Jan. 29.
Staley, Harrison L., and F. J. Rock, Richmond, Va. Gasket-seat-cleaning tool. 1,482,043; Jan. 29.
Staley, Harrison L., Richmond, Va. Gasket-seat-cleaning tool. 1,482,044; Jan. 29.
Staley, Harrison L., Richmond, Va. Tool for cleaning handholes. 1,482,042; Jan. 29.
Standard Comfort Window Corporation. (See Weber, Jacob, assignor.)
Standard Sealing Equipment Corporation. (See Kimball, Wallace D., assignor.)
Stearns, Emory W., Roslyn, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Making button collets. 1,482,045; Jan. 29.
Stearns, Emory W., Roslyn, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Button collet. 1,482,046; Jan. 29.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Steinbach, Arthur, assignor of one-half to J. Weber, Chicago, Ill. Electric fan. 1,482,047; Jan. 29.
Stephenson, Fred D., Osceola, Iowa. Snow remover. 1,482,048; Jan. 29.
Stevens, Hayes C., Pittsburgh, Pa. Typewriter attachment. 1,482,160; Jan. 29.
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet holder. 1,482,275; Jan. 29.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stocking, Sidney, Herscher, Ill. Cigar lighter. 1,482,098; Jan. 29.
Stokes, William E., Rockville Center, assignor to United States Processes, Inc., New York, N. Y. Recovering vanadium. 1,482,276; Jan. 29.
Stoppelwerth, William C., Springfield, Ill. Hand punch. 1,482,099; Jan. 29.
Stowe, George, New York, N. Y., and G. E. Molyneux, Bayonne, N. J., assignors of one-third to J. F. Alvord, New York, N. Y. Speed-controlling brake for vehicles. 1,481,933; Jan. 29.
Streda, Josef, Trutnoy, Czechoslovakia. Device for raising petroleum and the like. 1,482,161; Jan. 29.
Streda, Joseph, London, England. Device for aligning pipes for connection. 1,482,162; Jan. 29.
Streda, Joseph, London, England. Method of and means for freeing jammed earth-boring columns. 1,482,163; Jan. 29.
Stromberg-Carlson Telephone Manufacturing Company. (See Seymour, Arthur J., assignor.)
Stuebing Truck Company, The. (See Stuebing, William, jr., assignor.)
Stuebing, William, jr., Cincinnati, Ohio, assignor to The Stuebing Truck Company. Lifting truck. 1,482,277; Jan. 29.
Sturt, Alfred T., New York, N. Y., assignor to General Motors Corporation, Detroit, Mich. Floor and fender support for motor trucks. 1,482,100; Jan. 29.
Submarine Signal Company. (See Williams, Robert L., assignor.)
Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope. 1,481,934; Jan. 29.
Sutton, Harry H., Lucas, S. Dak. Wire-gate latch. 1,482,164; Jan. 29.
Swanson, Nels E., assignor to A. G. Cox, Denver, Colo. Closure construction for pressure cookers. 1,482,040; Jan. 29.
Taylor, Carl R., Cleveland, Ohio. Cone-rolling machine. 1,481,813; Jan. 29.
Taylor, George A., Boston, Mass. Piston. 1,482,101; Jan. 29.
Terrell, Daniel S., Elkton, Md. Toothbrush container. 1,481,935; Jan. 29.
Theofilos, John P., Chicago, Ill. Kinesitherapeutic apparatus. 1,481,814; Jan. 29.
Thibault, Jacques A., Paris, France. Production of metal oxides, especially lead oxides. 1,482,327; Jan. 29.
Thomas, John, Montreal, Quebec, Canada. Game. 1,482,165; Jan. 29.
Thomas, Joseph S., Shippensburg, Pa. Barrel. 1,482,328; Jan. 29.
Thomas, William B. (See Brace, D. B., and Thomas.)
Thomson, John, Brooklyn, N. Y. Applying graphite to engine pistons and cylinders. 1,481,936; Jan. 29.
Thordox, Harry A., Chicago, Ill. Curtain bracket. 1,482,166; Jan. 29.
Thorn, Lawrence T., Harrisburg, Ark. License-plate holder. 1,481,937; Jan. 29.
Timberlake, Leonard W., Oskaloosa, Iowa. Mud lugs for wheels. 1,482,050; Jan. 29.
Tino, Antonio, New York, N. Y. Antitheft device for automobiles. 1,481,815; Jan. 29.
Toledo Metal Furniture Company, The. (See Uhl, Clement R., assignor.)
Tollefson, Hjalmer H., Scandinavia, Wis. Trap. 1,482,329; Jan. 29.
Tracy, James J., Cleveland, Ohio. Power mechanism for tractors. 1,481,816; Jan. 29.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 1,481,938; Jan. 29.
Treboul, Linnie B., New York, N. Y. Indoor golf game. 1,482,330; Jan. 29.
Trego, William E. (See Loose, Herman A., assignor.)
Trent, Benjamin, Lakeview, N. J. Clothespole. 1,482,278; Jan. 29.
Trippi, Samuel, Buffalo, N. Y. Goblet or similar article. Des. 63,856; Jan. 29.
Truscon Steel Company. (See Kane, Thomas H., assignor.)
Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; said Ashley assignor of his right to J. Trust, Park Ridge, N. J.; J. Trust, administratrix. Mixing and beating machine. 1,482,279; Jan. 29.
Trust, Josephine, administratrix. (See Trust, H., and Ashley.)
Tucker, Junius E., Bridgeport, Conn. Garage. 1,481,939; Jan. 29.
Tuley, Leroy L., Wood River, Ill. Glass-tube cutter. 1,482,206; Jan. 29.
Turnepseed, Clarence C., Springfield, Ohio. Clothesline supporting and tightening device. 1,481,940; Jan. 29.
Turner, Herbert F., Cambridge, assignor to S. B. Condit, jr., Boston, Mass. Switch interlock. 1,482,051; Jan. 29.
Tuttle, Walter I., Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass. Beam construction. 1,481,941; Jan. 29.
Twisted Wire and Steel Company. (See Nowland, Benoni, assignor.)
Tyler, Ralph S., Cleveland Heights, assignor to The Chandler & Price Company, Cleveland, Ohio. Printing press. 1,482,102; Jan. 29.
Uhl, Clement R., assignor to The Toledo Metal Furniture company, Toledo, Ohio. Foot cap for furniture legs. 1,482,205; Jan. 29.
Underwood Typewriter Company. (See Doane, John C., assignor.)
United Gas Improvement Company, The. (See Rusby, John M., assignor.)
United Shoe Machinery Corporation. (See Brothers, Eli, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Ricks, assignors.)
United Shoe Machinery Corporation. (See Orr, Edward E., assignor.)
United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
United Shoe Machinery Corporation. (See Yeaton, Harry L., assignor.)
United States Ordnance Company. (See Dawson, A. T., Buckham, and Asbury, assignors.)
United States Processes, Inc. (See Stokes, William E., assignor.)
United States Sugar Co., The. (See Nelson, Oscar M., assignor.)
Utility Compressor Company. (See Oswald, E. P., and Holley, assignors.)
Van Daam, Gerrit, Buffalo, N. Y. Convertible coal saver and gas burner. 1,482,103; Jan. 29.
Van Daam, Gerrit, Buffalo, N. Y. Fuel-saving device. 1,482,104; Jan. 29.
Van Hoosear, Roy E., Hillsdale, Mich. Switch. 1,482,052; Jan. 29.

Vanslett, John, San Francisco, assignor of twenty-five per cent to G. L. Waring, Alameda, Calif. Automatic elevator brake. 1,482,331; Jan. 29.
Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Circuit controller. 1,482,167; Jan. 29.
Veco Mfg. Company, The. (See Volk, Joseph A., jr., assignor.)
Verkler, Walter E. Chicago, Ill. Means for driving multigraph apparatus. 1,482,053; Jan. 29.
Vesey, Wenzel G. (See Avery, C. W., and Vesey.)
Vibration Specialty Company. (See Akimoff, Nicholas W., assignor.)
Vickers Limited. (See Dawson, A. T., and Buckham, assignors.)
Vink, Cornelius W. (See Dooley, Joseph R., assignor.)
Visitacion, Aniceto, Brooklyn, N. Y. Duplex writing implement. 1,482,054; Jan. 29.
Visser, Aart. (See Wortman, J. L. C., and Visser.)
Vogel, Felix A., assignor to The General Fuel Briquette Corporation, New York, N. Y. Fuel briquette and making same. 1,481,942; Jan. 29.
Vogt Zanone Scales Company. (See Zanone, Richard J., assignor.)
Volk, Joseph A., jr., Norwalk, Conn., assignor to The Veco Mfg. Company. Elbow for wiring conduits. 1,482,362; Jan. 29.
Vox Maschinen-Aktiengesellschaft. (See Hornauer, Willy, assignor.)
Vox Maschinen-Aktiengesellschaft. (See Lebels, Martin, assignor.)
Wade, Percy, Washington, D. C. Acetylene generator. 1,481,943; Jan. 29.
Waldon, Sidney D. (See Sherbondy, Earl H., assignor.)
Walker, Oliver B., Cincinnati, Ohio. Antiskid chain. 1,482,055; Jan. 29.
Walkley, Frank H., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,482,168; Jan. 29.
Wallace, James H. (See Latremore, William M., assignor.)
Wappler Electric Company, Inc. (See Mutscheller, A., and Fayer, assignors.)
Waring, Glenn L. (See Vanslett, John, assignor.)
Watkins, Charles R., Memphis, Tenn. Hook. 1,482,056; Jan. 29.
Watson, Florence K., Bluefield, W. Va. Doll. Des. 63,857; Jan. 29.
Way, H. J. (See Irvin, John W., assignor.)
Weber, Jacob, assignor to Standard Comfort Window Corporation, New York, N. Y. Sliding-sash window. 1,482,169; Jan. 29.
Weber, Joseph. (See Steinbach, Arthur, assignor.)
Webster, Edward T., Milwaukee, Wis. Sanitary drinking fountain. 1,482,170; Jan. 29.
Weeks, Shirley S., Providence, R. I., assignor to Associated Engineering & Supply Company, San Francisco, Calif. Liquid-fuel-burning apparatus. 1,481,944; Jan. 29.
Wehr Steel Company. (See Mayworm, John H., assignor.)
Weinberger, Julius, New York, N. Y., assignor to Radio Corporation of America. Radio receiving system. 1,481,945; Jan. 29.
Weinman, Christian J., M. T. Schuster, and J. O. Caylor, Dayton, Ohio. Change-making machine. 1,482,171; Jan. 29.
Weir, William W., Alameda, Calif. Fireplace heater. Des. 63,858; Jan. 29.
Weis, Andrew L., assignor to The Weis Manufacturing Company, Monroe, Mich. Filing device for talking-machine records. 1,482,172; Jan. 29.
Weis Manufacturing Company, The. (See Weis, Andrew L., assignor.)
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended particles from gases. 1,481,970; Jan. 29.
Weren, Frank, Jersey City, N. J. Display device. 1,482,332; Jan. 29.
Western Electric Company. (See Nash, George H., assignor.)
Western Electric Company, Incorporated. (See Reeves, Frank N., assignor.)
Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bakken, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Candee, Andrew H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hansen, Niels, assignor.)
Westinghouse Electric & Manufacturing Company. (See Huey, George W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See McGill, Thomas J., assignor.)
Wheeler, Edgar H., Franklin, N. H., assignor of one-half to E. G. Morey, Windsor, Vt. Automobile shock absorber. 1,482,280; Jan.29.
Whitaker-Glessner Company. (See Kielberg, Henry, assignor.)
Whiting, Jasper, Boston, Mass. Method of and means for controlling the humidity within containers. 1,481,971; Jan. 29.
Will & Baumer Candle Co. (See Engman, Evald J., assignor.)
Willard, Charles E., Washington, D. C. Exercising apparatus. 1,482,173; Jan. 29.
Williams, Robert L., Newton, Mass., assignor to Submarine Signal Company, Portland, Me. Directional signal receiving. 1,481,946; Jan. 29.
Williamson, James H., New York, N. Y. Clinker, coal, and cinder tongs. 1,482,174; Jan. 29.
Willard, H. Earl. (See Elzey, Ora E., assignor.)
Wilson, Frederick D., and O. F. Carlson, assignors to Deere and Company, Moline, Ill. Tongue truck. 1,482,057; Jan. 29.
Wilson, Harry C., Detroit, Mich. Vaporizer. 1,482,175; Jan. 29.
Wimp, Jet, Chicago, Ill. Convertible mattress support for automobile beds. 1,482,176; Jan. 29.
Witter, Lawrie L., Hartford, Conn. Safety razor and stropper. 1,482,371; Jan. 29.
Wolff, Harry O., Chicago, Ill. Curtain-rod fixture. 1,482,334; Jan. 29.
Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Rail joint with lightened web. 1,482,333; Jan. 29.
Wood, William H., South Euclid, Ohio. Storage battery. 1,481,947; Jan. 29.
Woodward, Sherman, et al. (See Hadden, Nial, assignor.)
Woolsey, M. W. (See Pfeffer, John E., assignor.)
Worthington, Albert P., Los Angeles, Calif. Grip hanger. 1,482,335; Jan. 29.
Wortman, Jan L. C., and A. Visser, assignors to Nederlandsche Fabriek van Bronswerken voorheen Becht & Dysselinck, Amsterdam, Netherlands. Disinfection apparatus, particularly for sputum cups. 1,482,281; Jan. 29.
Wright, Wallace C., Brookfield, N. H., W. J. Young, Peabody, and G. B. Grover, Lynn, assignors, by mesne assignments, to American Shoe Machinery Company, Boston, Mass. Leather-tempering machine. 1,482,363; Jan. 29.
Wrigley, Wm. Jr. Company. (See Johnson, Charles W., assignor.)
Yackee, Burt H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making rubberized fiber composition. 1,482,336; Jan. 29.
Yale & Towne Manufacturing Company, The. (See Heyer, Frederic K., assignor.)
Yeaton, Harry L., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-shaping machine. 1,482,337; Jan. 29.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp base. Des. 63,859; Jan. 29.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp base. Des. 63,860; Jan. 29.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Bracket arm for bridge lamps. Des. 63,861; Jan. 29.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp fixture, standard, or hanger. Des. 63,862; Jan. 29.
Young, Alice S., et al., executors. (See Young, Edgar E.)
Young, Edgar E., deceased, Philadelphia, Pa.; A. S. Young, P. J. Mitchell, and The Pennsylvania Company, executors. Doorcheck. 1,482,364; Jan. 29.
Young, William J. (See Wright, W. C., Young, and Grover.)
Zagelmeyer, Frank, Bay City, Mich. Multiple brick mold. 1,481,948; Jan. 29.
Zanone, Richard J., assignor to Vogt-Zanone Scales Company, Louisville, Ky. Weighing device. 1,482,058; Jan. 29.
Zeiss, Firm of Carl. (See Löwe, Fritz, assignor.)
Ziegler, William A., Minneapolis, Minn. Internal-combustion engine. 1,482,177; Jan. 29.
Zilliox, John, Orchard Park, N. Y. Luggage carrier. 1,482,338; Jan. 29.
Zimmer, Samuel B., El Centro, Calif. Curtain. 1,482,059; Jan. 29.
Zinsel, George, Scranton, Pa. Time switch. 1,482,178; Jan. 29.
Zuhars, Benjamin C., assignor to The Ohio Tractor Company, Columbus, Ohio. Motor vehicle. 1,482,179; Jan. 29.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JANUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetylene generator. P. Wade. 1,481,943; Jan. 29.
Acids, Treatment of nonsaturated organic. J. Lund and H. Hausamann. 1,481,845; Jan. 29.
Addressing machine or like printing machine. L. M. Barman. 1,482,213; Jan. 29.
Advertising means. E. I. Golding. 1,481,864; Jan. 29.
Agricultural machinery, Motor driven. F. S. Schley and C. Ernst. 1,482,266; Jan. 29.
Air and gas, Apparatus for mixing. T. L. Hiles. 1,482,011; Jan. 29.
Air-purification apparatus. H. A. Loose. 1,482,022; Jan. 29.
α-alkylated acids and derivatives thereof. M. Bockmühl and A. Schwarz. 1,482,343; Jan. 29.
Animal-leading device. A. H. Neller. 1,482,366; Jan. 29.
Antiskid chain. O. B. Walker. 1,482,055; Jan. 29.
Antirattler. G. F. Colley. 1,482,286; Jan. 29.
Antiskid attachment. F. P. Sheronas. 1,482,156; Jan. 29.
Automatic sprinkler. A. C. Rowley. 1,482,260; Jan. 29.
Automobile buffer. G. A. Lyon. 1,481,966; Jan. 29.
Automobile buffer device. G. A. Lyon. 1,481,964; Jan. 29.
Automobile buffer device. G. A. Lyon. 1,481,967; Jan. 29.
Automobile bumper. R. B. Fageol. 1,482,226; Jan. 29.
Automobile lock. N. A. Preston. 1,481,929; Jan. 29.
Automobile lock. C. A. Haisley. 1,482,008; Jan. 29.
Automobile propelling mechanism. J. P. Leggett. 1,482,017; Jan. 29.
Automobile shock absorber. E. H. Wheeler. 1,482,280; Jan. 29.
Automobiles, Adjustable glare shield for. J. C. Bartley. 1,481,974; Jan. 29.
Automobiles, Antitheft device for. A. Tino. 1,481,815; Jan. 29.
Autotransformer with heating coils. A. Mutscheller and C. Fayer. 1,481,876; Jan. 29.
Auto turning signals, Switch for. A. F. Ochtman. 1,482,248; Jan. 29.
Balancing machine. N. W. Akimoff. 1,481,785; Jan. 29.
Ball: *See*—
  Game ball.
Bands, Apparatus and method for molding tread. W. E. Shively. 1,482,325; Jan. 29.
Barrell. J. S. Thomas. 1,482,328; Jan. 29.
Bath device. K. B. Baggs. 1,481,819; Jan. 29.
Battery: *See*—
  Storage battery.
Beam construction. W. I. Tuttle. 1,481,941; Jan. 29.
Bearing lock, Self-adjusting. S. Rath. 1,482,092; Jan. 29.
Beds, Convertible mattress support for automobile. J. Wimp. 1,482,176; Jan. 29.
Belt-fastening hook. M. L. Adams. 1,482,282; Jan. 29.
Belt-tensioning appliance, Motor-. P. Spilger. 1,482,370; Jan. 29.
Belt, Spring-link. G. Abraham. 1,482,207; Jan. 29.
Bending tool. P. F. Elzi. 1,482,200; Jan. 29.
Billiard and pool table cover. T. Murphy. 1,482,314; Jan. 29.
Billiard-cue machine. O. E. Elzey. 1,481,999; Jan. 29.
Billiard cues, Apparatus for straightening. J. Magono. 1,482,136; Jan. 29.
Binder, Loose-leaf. W. E. Nimz and M. Rumpf. 1,482,246; Jan. 29.
Bit: *See*—
  Drill bit.
Blasting caps, Tool for handling. E. Dial. 1,482,184; Jan. 29.
Blasting screen, Sand-. L. H. Carufel. 1,481,956; Jan. 29.
Block: *See*—
  Phone-connecter block.
Blood-transfusion apparatus. E. A. Dupin. 1,481,794; Jan. 29.
Blowpipe. J. Harris. 1,481,800; Jan. 29.
Boilers, Steam-superheating system for marine. J. P. Badenhausen. 1,481,883; Jan. 29.
Boll-weevil machine. W. B. Mann, sr. 1,482,023; Jan. 29.
Bolt machine. M. J. Riley. 1,482,359; Jan. 29.
Bond, Signal. J. Lunde. 1,482,082; Jan. 29.
Book, Loose-leaf check. G. Friel. 1,482,003; Jan. 29.
Bottle caps, Duplex locking means for. C. Hammer. 1,481,961; Jan. 29.
Box: *See*—
  Folding box. Vanity box.
  Match box.
Box. S. Bachmann. 1,481,973; Jan. 29.
Bracket: *See*—
  Curtain bracket.
Brake: *See*—
  Elevator brake.
Brake shoe. J. H. Eisenberg. 1,481,862; Jan. 29.
Brick mold, Multiple. F. Zagelmeyer. 1,481,948; Jan. 29.
Briquette and making the same, Fuel. F. A. Vogel. 1,481,942; Jan. 29.
Buckle, Automatic grip-relief. G. Abraham. 1,482,209; Jan. 29.
Buckle, Belt. J. Heberling. 1,482,009; Jan. 29.
Buckle, Belt. M. Kalk. 1,481,911; Jan. 29.
Bucket, Potato and fruit picking. S. Sakamoto. 1,482,203; Jan. 29.
Buckle, Spring. G. Abraham. 1,482,208; Jan. 29.
Buffer. G. A. Lyon. 1,481,965; Jan. 29.
Buffer-attaching device. G. A. Lyon. 1,481,963; Jan. 29.
Buffer, Door. H. N. Sorenson. 1,482,041; Jan. 29.
Building construction, Portable-. D. E. Parsons. 1,482,250; Jan. 29.
Bullet. R. A. Briggs. 1,482,344; Jan. 29.
Bumper. W. A. Bockius. 1,481,789; Jan. 29.
Burner: *See*—
  Gas burner. Oil burner.
  Liquid-fuel burner.
Button, Collar. C. B. Hand. 1,481,799; Jan. 29.
Button collet. E. W. Stearns. 1,482,046; Jan. 29.
Button collets, Making. E. W. Stearns. 1,482,045; Jan. 29.
Button, Separable. C. E. Skoog. 1,481,932; Jan. 29.
Buzzer. C. I. Hall. 1,481,897; Jan. 29.
Cable-measuring device. R. R. Bostic. 1,481,980; Jan. 29.
Calculating machine. T. Bluerle. 1,482,372; Jan. 29.
Calculating machine. T. W. Ross. 1,482,152–3; Jan. 29.
Camera attachment. J. Abeles. 1,482,339; Jan. 29.
Camera suspension, Airplane-. E. R. Morton. 1,482,244; Jan. 29.
Can. W. J. Miller. 1,481,922; Jan. 29.
Candle holder and bobache, Combined. C. B. Roe. Des. 63,854; Jan. 29.
Candle finishing die. E. J. Engman. 1,482,000; Jan. 29.
Candle finishing machine. E. J. Engman. 1,482,001; Jan. 29.
Candle lathe. E. J. Engman. 1,482,224; Jan. 29.
Cap. B. H. Bender. 1,481,975; Jan. 29
Cap. C. Hammer. 1,481,960; Jan. 29.
Car door, Freight. K. R. Koskinen. 1,482,307; Jan. 29.
Car, Dump. J. D. Benbow. 1,481,788; Jan. 29.
Car-registering device. W. D. Burnon. 1,481,954; Jan. 29.
Car roof. C. D. Bonsall. 1,481,823–5; Jan. 29.
Car roof. C. D. Bonsall. 1,482,111; Jan. 29.
Cars and other vehicles, Means for protecting the springs of motor. P. Ferrier. 1,482,074; Jan. 29.
Cars and the like, Adjustable hinge or joint for windscreens of motor. A. C. Auster. 1,482,210; Jan. 29.
Cars, Operating mechanism for dump. J. D. Benbow. 1,481,787; Jan. 29.
Carbon dioxide, Production of. H. G. Elledge. 1,482,367; Jan. 29.
Card holder. O. Arnold. 1,482,341; Jan. 29.
Card holder. W. G. Bate. 1,482,182; Jan. 29.
Card-sorting machine. M. Lebels. 1,482,198; Jan. 29.
Carrier: *See*—
  Luggage carrier.
Cart, Folding baby. A. Pomilio. 1,482,146; Jan. 29.
Carton closing machine with automatic stop mechanism. W. D. Kimball. 1,482,197; Jan. 29.
Casting containing synthetic resin and making same. C. Ellis. 1,482,358; Jan. 29.
Centrifuge and means for heating the bowl thereof. W. O. Mitscherling. 1,482,088; Jan. 29.
Centrifugal propeller. O. C. and J. L. Ketring. 1,482,196; Jan. 29.
Chain fastener, Safety-. E. B. Nentwig. 1,482,316; Jan. 29.
Chain link. J. Coulter. Re15,752; Jan. 29.
Chair: *See*—
  Toilet chair.
Change-making machine. C. J. Weinman, M. T. Schuster, and J. O. Caylor. 1,482,171; Jan. 29.
Cigar boxes, Clip and handle for. C. C. Roberts. 1,482,035; Jan. 29.
Cigar lighter. S. Stocking. 1,482,098; Jan. 29.
Cigarette-making device. W. G. Boonzaier. 1,481,979; Jan. 29.
Cinematograph spool and spool box. L. R. Frew. 1,481,863; Jan. 29.
Circuit closers, Thermostatic. F. Pawlik and K. Altheer. 1,482,032; Jan. 29.
Circuit controller. R. Varley. 1,482,167; Jan. 29.
Circuit: Cord. A. J. Seymour. 1,482,374; Jan. 29.
Circuit interrupter, Interlock. A. H. Bakken. 1,481,884; Jan. 29.

Circuiting device, Centrifugally-actuated short-. N. Hansen. 1,481,900; Jan. 29.
Clamp. J. P. Rattigan. 1,482,148; Jan. 29.
Clamping device. C. C. Hume. 1,482,193; Jan. 29.
Cleaner: *See*—
Tube cleaner.
Cleaning device. R. Sponsler. 1,482,326; Jan. 29.
Closure, Expansible. J. H. Clark. 1,481,830; Jan. 29.
Clothesline support and tightener. C. Schopper. 1,482,268; Jan. 29.
Clothesline supporting and tightening device. C. C. Turnepseed. 1,481,940; Jan. 29.
Clothespin. W. O. Bice. 1,481,978; Jan. 29.
Clothespole. B. Trent. 1,482,278; Jan. 29.
Clutch. V. Bendix. 1,481,976; Jan. 29.
Clutch plates, Device for placing cork inserts in. R. B. Glick. 1,482,127; Jan. 29.
Coal-distillation purposes, Rabble for low-temperature. E. Barra. 1,482,842; Jan. 29.
Coal saver and gas burner, Convertible. G. Van Daam. 1,482,103; Jan. 29.
Cocks and faucets, Machine for making. C. M. Campbell and W. H. Smith. 1,481,856; Jan. 29.
Coffee roaster. W. Spartivento. 1,482,273; Jan. 29.
Coke, Chamber for dry cooling of. A. Meetteil. 1,481,873; Jan. 29.
Columns, Method of and means for freeing jammed-earth boring. J. Strube. 1,482,163; Jan. 29.
Comb. S. Michaud. 1,482,242; Jan. 29.
Comb, Lease. C. F. Dupee. 1,481,833; Jan. 29.
Combustion controlling system. G. E. Gaster. 1,482,125; Jan. 29.
Concrete-block-making plant. A. G. Hatch. 1,482,187; Jan. 29.
Concrete fencing. J. F. Matthews. 1,482,137; Jan. 29.
Conduits, Elbow for wiring. J. A. Volk, jr. 1,482,362; Jan. 29.
Conduits, Production of. J. F. Murray. 1,481,807; Jan. 29.
Cone-rolling machine. C. R. Taylor. 1,481,813; Jan. 29.
Container. L. C. Brooks. 1,482,219; Jan. 29.
Containers, Method of and means for controlling the humidity within. J. Whiting. 1,481,971; Jan. 29.
Control system. H. H. Johnston. 1,481,908; Jan. 29.
Conveyer apparatus. F. P. Huckins. 1,481,868; Jan. 29.
Cookers, Closure construction for pressure. N. E. Swanson. 1,482,049; Jan. 29.
Cores, Method of and apparatus for covering. S. H. Heist. 1,481,866; Jan. 29.
Corn, Unloading device for. P. M. Rindeshacher. 1,482,093; Jan. 29.
Cotton picker. J. R. Roach. 1,481,808; Jan. 29.
Cotter pins and the like, Tool for extracting. A. Danielson. 1,482,067; Jan. 29.
Coupling: *See*—
Flexible coupling.
Cranes, Automatic equalizer for brick-setting. J. H. Bach. 1,482,365; Jan. 29.
Crate, Shipping. L. Smith. 1,482,038; Jan. 29.
Cue. A. F. Carlson. 1,481,857; Jan. 29.
Cue holder. A. Andereck and F. Rubczynski. 1,481,949; Jan. 29.
Cultivator. A. L. Donogh. 1,481,901; Jan. 29.
Cultivator. J. Jemelka. 1,481,842; Jan. 29.
Curtain. S. B. Zimmer. 1,482,059; Jan. 29.
Curtain rod. J. H. Boye. 1,481,981; Jan. 29.
Curtain bracket. H. A. Thordox. 1,482,166; Jan. 29.
Curtain-rod fixture. H. O. Wolff. 1,482,334; Jan. 29.
Cushion. G. A. Smith. 1,482,096; Jan. 29.
Cushions and the like, Machine for stuffing. C. H. Baer. 1,482,063; Jan. 29.
Cutter: *See*—
Glass-tube cutter.
Cutting and punching machine. A. J. Neuhengen. 1,482,025; Jan. 29.
Cylinders, Doll-head bearing and packing device for drying. W. P. Evans. 1,482,225; Jan. 29.
Desiccating process. R. S. Fleming. 1,481,893; Jan. 29.
Dial-holding mechanism. W. A. Simond. 1,481,812; Jan. 29.
Die: *See*—
Candle-finishing die.
Dies, Method and apparatus for cutting polygonal. W. F. Bolesky. 1,482,110; Jan. 29.
Dipper or scoop. C. M. Causey. 1,481,890; Jan. 29.
Disinfection apparatus, particularly for sputum cups. J. L. C. Wertman and A. Visser. 1,482,281; Jan. 29.
Disk wheel, Wood. J. Pellkofer. 1,482,252; Jan. 29.
Dispensing stand. L. F. Duff and G. Langhans. 1,482,071; Jan. 29.
Display device. F. Weren. 1,482,332; Jan. 29.
Doll. S. M. Atterholt. Des. 63,839; Jan. 29.
Doll. J. J. Gilloolt. Des. 63,846; Jan. 29.
Doll. F. K. Watson. Des. 63,857; Jan. 29.
Door and the like, E. H. McCloud. 1,481,847; Jan. 29.
Door lock. H. N. Sorenson. 1,482,039; Jan. 29.
Doorcheck. E. E. Young. 1,482,364; Jan. 29.
Dough or similar material, Machine for cutting. A. F. Malm and F. A. Adams. 1,481,805; Jan. 29.
Dough-working machine. C. Kern and A. Kaminski. 1,482,195; Jan. 29.
Drafting instrument, Sheet-metal. E. F. Fales. 1,482,186; Jan. 29.
Drawing frames, Guard for. W. Hinchliffe. 1,481,840; Jan. 29.
Drier. G. L. Spencer. 1,482,274; Jan. 29.
Drill: *See*—
Rock drill.
Drill bit. C. M. Goddard and W. E. Powell. 1,482,128; Jan. 29.
Drills, Protecting device for twist. J. Kruschitzki. 1,482,369; Jan. 29.
Drinking fountain, Sanitary. E. T. Webster. 1,482,170; Jan. 29.
Drum, Snare. R. C. Danly. 1,481,988; Jan. 29.
Drying apparatus. H. B. Buckham. 1,481,790; Jan. 29.
Electric-bulb attacher. F. H. Potts. 1,482,147; Jan. 29.
Electric connection. C. A. Deuscher. 1,482,288; Jan. 29.
Electric heater. F. E. Klopsteg, C. S. Hornberger, and W. H. Farr. 1,481,869; Jan. 29.
Electric-power system. T. J. McGill. 1,481,919; Jan. 29.
Electric-power system. C. Macmillan. 1,481,848; Jan. 29.
Electric-power system. D. E. Jewitt. 1,481,843; Jan. 29.
Electric switch. W. P. Dryer. 1,481,832; Jan. 29.
Electrical connecter. F. D. Pfile. 1,482,254; Jan. 29.
Electrical systems, Means for effecting phase adjustment of. F. E. Pernot and L. J. Rich. 1,482,375; Jan. 29.
Electrical utensils, Cut-out device. J. F. Lamb. 1,482,079; Jan. 29.
Electroresponsive device. O. C. Traver. 1,481,938; Jan. 29.
Elevator: *See*—
Portable elevator.
Elevator brake, Automatic. J. Vanslett. 1,482,331; Jan. 29.
Elevator safety device. C. H. Miller. 1,481,871; Jan. 29.
Engine: *See*—
Explosion engine. Rotary engine.
Internal-combustion engine.
Engine governor, Gas-. H. S. Dailey. 1,481,792; Jan. 29.
Engine starter. W. L. McGrath. 1,482,084; Jan. 29.
Engines, Fuel-mixing means for internal-combustion. E. A. Ford. 1,481,795; Jan. 29.
Engines, Electromagnetic ignition switch for internal-combustion. M. J. B. Barbarou. 1,482,212; Jan. 29.
Engines, Means for regulating the cooling of internal-combustion. W. S. Goll. 1,482,129; Jan. 29.
Engines, Sparking plug for internal-combustion. A. G. Brown. 1,482,345; Jan. 29.
Engines, Starting mechanism for internal-combustion. F. Hüttner. 1,482,234; Jan. 29.
Envelope moistener. S. J. T. Price. 1,482,319; Jan. 29.
Evaporator. O. M. Nelson. 1,481,924; Jan. 29.
Exercising apparatus. C. E. Willard. 1,482,173; Jan. 29.
Explosion-engine. J. L. Cato. 1,482,221; Jan. 29.
Fabrics, Mercerization and finishing of textile. E. A. Fourneaux. 1,482,076; Jan. 29.
Fan, Electric. A. Steinbach. 1,482,047; Jan. 29.
Fastener, Metallic. H. Rosenberg. 1,482,151; Jan. 29.
Faucet. D. D. Chrisman. 1,481,985; Jan. 29.
Feeding and take-up device. J. W. Droll. 1,481,904; Jan. 29.
Fence tool. H. D. Guffey. 1,482,299; Jan. 29.
Filling-detecting mechanism. J. C. Brooks. 1,482,216; Jan. 29.
Firearms during firing, Apparatus for lubricating the bore of. E. Schneider. 1,481,930; Jan. 29.
Fire escape. R. D. Nikeon. 1,482,026; Jan. 29.
Fire extinguishers, etc., Operation of. H. G. Elledge. 1,482,368; Jan. 29.
Fireplace heater. W. W. Weir. Des. 63,858; Jan. 29.
Fixture canopy. G. W. Conner. 1,482,347; Jan. 29.
Flagpole. L. H. Schablow. 1,482,086; Jan. 29.
Flash-light stand. H. H. Eldredge. 1,481,998; Jan. 29.
Flask strap. J. H. Mayworm. 1,482,096; Jan. 29.
Flexible coupling. J. J. Serrell. 1,482,005; Jan. 29.
Flexible coupling. R. A. Smith. 1,482,097; Jan. 29.
Flying machine. J. Montella. 1,482,243; Jan. 29.
Folding box. W. Bamber. 1,482,180; Jan. 29.
Footwear. P. Y. Smiley and F. W. Knibbs. 1,482,037; Jan. 29.
Forging mechanism. J. R. Blakeslee. 1,482,107; Jan. 29.
Formaldehyde, Preserving already partly polymerized. L. A. Meyer. 1,481,849; Jan. 29.
Fountain: *See*—
Drinking fountain.
Frame: *See*—
Heddle frame. Spinning frame.
Lens frame. Truck frame.
Fruit gatherer. B. Burgess. 1,482,346; Jan. 29.
Fruit grinder. F. Giordano. 1,482,005; Jan. 29.
Fuel-saving device. G. Van Daam. 1,482,104; Jan. 29.
Furnace: *See*—
Hot-air furnace.
Furnace control apparatus, Electric-. H. C. Hastings and N. Laycock. 1,481,837; Jan. 29.
Furnaces, Oxidation of nitrogen in electric. O. Jensen. 1,481,907; Jan. 29.
Furniture legs, Foot cap for. C. R. Uhl. 1,482,205; Jan. 29.
Fuse device, Oil-. G. M. Griffith. 1,482,131; Jan. 29.
Galvanizing rack. L. T. Curtis. 1,482,066; Jan. 29.
Game. G. T. Barber. 1,481,786; Jan. 29.
Game. J. Thomas. 1,482,165; Jan. 29.
Game, Ball. R. H. Hazeltine. 1,482,232; Jan. 29.
Game, Indoor-golf. L. B. Treboul. 1,482,330; Jan. 29.
Garage. J. E. Tucker. 1,481,939; Jan. 29.

Garbage-disposal device. L. D. Pender. 1,482,144; Jan. 29.
Garment, Bifurcated. F. B. Hamblin. 1,481,899; Jan. 29.
Garment-cutting device. A. Luongo. 1,481,804; Jan. 29.
Garment supporting and displaying device. C. D. Perrine. 1,482,253; Jan. 29.
Garments, Means for attaching the members of separable fasteners to. C. E. Begeman. 1,481,953; Jan. 29.
Gas burner. R. S. Reed. 1,482,258; Jan. 29.
Gas generator. W. C. Scheu. 1,481,809; Jan. 29.
Gas plant, Self-steaming blue-. J. M. Busby. 1,482,360; Jan. 29.
Gases, Apparatus for electrical precipitation of suspended particles from. H. V. Welch. 1,481,970; Jan. 29.
Gases, particularly catalytic oxidation of ammonia with oxygen, Apparatus for carrying out highly exothermic catalytic reactions between. I. W. Cederberg. 1,481,957; Jan. 29.
Gasket-seat-cleaning tool. H. L. Staley. 1,482,044; Jan. 29.
Gasket-seat-cleaning tool. H. L. Staley and F. J. Rock. 1,482,043; Jan. 29.
Gauge: *See*—
Oil gauge.
Gauging device. E. E. Orr. 1,482,140; Jan. 29.
Gearing, Differential. G. C. Carhart. 1,481,889; Jan. 29.
Generator: *See*—
Acetylene generator. Gas generator.
Girdle. J. N. and C. A. Faust. 1,482,123; Jan. 29.
Glare screen and clamp. A. F. Lieberens. 1,482,308; Jan. 29.
Glass machinery. C. W. Avery and W. G. Vesey. 1,482,106; Jan. 29.
Glass-pressing mechanism. J. M. Said. 1,482,263; Jan. 29.
Glass-tube cutter. L. L. Tuley. 1,482,206; Jan. 29.
Goblet. A. B. Gunthel. Des. 63,849; Jan. 29.
Goblet or similar article. S. Trippi. Des. 63,856; Jan. 29.
Golf-tee mold. W. G. Munn. 1,482,024; Jan. 29.
Grab. A. M. Callow. 1,482,116; Jan. 29.
Graders, Adjustable land-side attachment for road. A. A. Fulcher. 1,482,295; Jan. 29.
Gravel loader. W. H. Curl. 1,481,858; Jan. 29.
Grinding machine. W. F. Fraser. 1,482,294; Jan. 29.
Grinding machine. J. Gouldbourn and F. Ricks. 1,482,296; Jan. 29.
Grip hanger. A. P. Worthington. 1,482,335; Jan. 29.
Gun, Automatically-swinging machine. C. Babits. 1,482,062; Jan. 29.
Handle. W. H. Hodgson. 1,482,305; Jan. 29.
Handle protector. J. E. Janes. 1,482,194; Jan. 29.
Handhole-cleaning tool. H. L. Staley. 1,482,042; Jan. 29.
Hanger: *See*—
Grip hanger.
Halogenated products, Apparatus for making. W. E. Kirst. 1,482,306; Jan. 29.
Hat adjuster and retainer. J. Rubenstein. 1,482,261; Jan. 29.
Head protector. F. J. Shuster. 1,482,270; Jan. 29.
Heater: *See*—
Electric heater. Tar heater.
Heat-conserving device. H. Dodge. 1,482,289; Jan. 29.
Heat of a flow of combustible fluid, Apparatus for determining and also indicating the total available. H. N. Packard. 1,482,091; Jan. 29.
Heat transferring apparatus and method. C. Field. 1,482,227; Jan. 29.
Heddle frame. J. Kaufmann. 1,481,802; Jan. 29.
Hinge, Door. H. N. Sorenson. 1,482,040; Jan. 29.
Holsts, Thrust screw for friction. A. E. Mason. 1,482,312; Jan. 29.
Hook: *See*—
Belt-fastening hook.
Hook. C. R. Watkins. 1,482,056; Jan. 29.
Hot-air furnace. E. G. Booker. 1,482,112; Jan. 29.
Hydraulic energy, Method and apparatus for utilising potential. N. Hadden. 1,481,797; Jan. 29.
Ice-cream cabinet. V. L. King. 1,482,134; Jan. 29.
Ice-cream cone. I. Dickstein and B. A. Shindell. Des. 63,844; Jan. 29.
Ice-cream dipper. W. R. Ripley. 1,482,094; Jan. 29.
Ice-cream freezer. A. L. Hart. 1,482,133; Jan. 29.
Ice-cream-sandwich-making machine. H. A. Moonjian. 1,482,138; Jan. 29.
Ice-making apparatus, Artificial. H. D. Pownall. 1,481,927; Jan. 29.
Ice, Manufacturing. O. Luhr. 1,481,844; Jan. 29.
Ice plants, Water measuring and feeding device for can. T. Shipley. 1,482,158; Jan. 29.
Ignition system. D. B. Hughes. 1,482,192; Jan. 29.
Igniting system. J. M. Lea. 1,482,080; Jan. 29.
Index device. J. A. Baker. 1,481,821; Jan. 29.
Induction apparatus, Stationary. A. B. Hendricks, jr. 1,481,904; Jan. 29.
Insect-exterminating machine. W. J. Gourley. 1,482,006; Jan. 29.
Internal-combustion engine. E. R. Burtnett. 1,481,955; Jan. 29.
Internal-combustion engine. W. A. Ziegler. 1,482,177; Jan. 29.
Ironing board and case. F. W. Loncosty. 1,482,081; Jan. 29.
Jack: *See*—
Powder jack. Telescopic hydraulic jack.
Pumping jack.
Jack. W. Bengel. 1,481,822; Jan. 29.
Jewelry box. S. Heller. Des. 63,850; Jan. 29.
Jewelry and making the same, Article of. L. H. Fishel. 1,481,894; Jan. 29.
Jewelry tray. C. E. Roy. 1,482,202; Jan. 29.
Joint: *See*—
Seepage joint.
Juice press. W. Pekala. 1,482,251; Jan. 29.
Jug. A. Millen. Des. 63,852; Jan. 29.
Key. A. Pagliuco. 1,482,249; Jan. 29.
Kiln, Tunnel. R. H. Miller. 1,482,087; Jan. 29.
Kilns, Car pushing apparatus for tunnel. W. L. Hanley, jr. 1,482,228; Jan. 29.
Kinesitherapeutic apparatus. J. P. Theofilos. 1,481,814; Jan. 29.
Label holder. B. La Pish. 1,481,851; Jan. 29.
Ladder construction, Counterbalance-. J. T. Cowles. 1,482,117; Jan. 29.
Lamp and license-plate holder, Combination. W. E. Cochran. Des. 63,842; Jan. 29.
Lamp base. F. Yokel. Des. 63,859–60; Jan. 29.
Lamps, Bracket arm for bridge. F. Yokel. Des. 63,861; Jan. 29.
Lamp fixture, standard, or hanger. F. Yokel. Des. 63,862; Jan. 29.
Last. A. Cohen. 1,481,987; Jan. 29.
Latch, Door. R. G. Moore. 1,481,874; Jan. 29.
Latch, Wire-gate. H. H. Sutton. 1,482,164; Jan. 29.
Lathe faceplates, Change-speed transmission for. J. A. Hellstrom. 1,482,010; Jan. 29.
Leather-tempering machine. W. C. Wright, W. J. Young, and G. B. Grover. 1,482,363; Jan. 29.
Leaves, Filter. P. S. Schuhmann. 1,481,931; Jan. 29.
Lens frame, Opthalmic test-. M. Poser. 1,481,926; Jan. 29.
License-plate holder. L. T. Thorn. 1,481,937; Jan. 29.
Lid prop. L. B. Craig. 1,482,065; Jan. 29.
Lighter. A. Nuhn. 1,481,925; Jan. 29.
Lighting fixtures, Globe for. N. Kopp. Des. 63,851; Jan. 29.
Liquid-dispensing apparatus. M. A. Beach. 1,481,885; Jan. 29.
Luiuid-fuel-burning apparatus. S. S. Weeks. 1,481,944; Jan. 29.
Liquid-fuel burner. E. J. Y. Rutherford. 1,482,262; Jan. 29.
Lock: *See*—
Automobile lock. Manifold closure lock.
Bearing lock. Railway-switch lock.
Door lock.
Lock. B. Greenison. 1,482,298; Jan. 29.
Lock. F. K. Heyer. 1,482,189; Jan. 29.
Lock. A. C. Saxton. 1,482,154; Jan. 29.
Locker and means for locking and releasing the same. E. B. Palmer. 1,481,878; Jan. 29.
Locomotive. A. W. Bruce. 1,482,115; Jan. 29.
Locomotive-grate shaker. J. G. Blunt. 1,482,108; Jan. 29.
Locomotive truck-curve-adjusting mechanism. F. C. Hohenstein. 1,482,190; Jan. 29.
Looms, Feeler mechanism for. I. Snow. 1,482,361; Luggage carrier. J. Zilliox. 1,482,338; Jan. 29.
Mail sorting and distributing machine. F. R. and C. E. Long. 1,482,311; Jan. 29.
Manifold closure lock. O. E. Jones. 1,481,910; Jan. 29.
Manometer, Magnifying. H. Bacharach. 1,481,952; Jan. 29.
Match box, Pocket. A. M. Benner. 1,481,977; Jan. 29.
Mattress-beating machine. G. A. Aicher. 1,481,972; Jan. 29.
Measuring altitudes, Method and apparatus for. J. G. Coffin. 1,481,986; Jan. 29.
Measuring and dispensing device, Combined. W. D. Gibson. 1,482,126; Jan. 29.
Measuring can filler. T. Shipley. 1,482,157; Jan. 29.
Metallic particles, Apparatus for compressing. A. B. Montgomery. 1,481,806; Jan. 29.
Metals, Apparatus for treating. R. H. Bulley. 1,481,828; Jan. 29.
Metals, Electrical cutting of. P. A. E. Armstrong. 1,481,854; Jan. 29.
Meter and the like, Flow. H. H. Mapelsden. 1,481,921; Jan. 29.
Milk apparatus for concentrating. D. D. Peebles. 1,482,143; Jan. 29.
Milking machine, Hand. W. H. Delahaye. 1,481,900; Jan. 29.
Mining machine. E. C. Morgan. 1,482,199; Jan. 29.
Mining system and apparatus. E. C. Morgan. 1,481,875; Jan. 29.
Mixing and heating machine. H. Trust and F. M. Ashley. 1,482,279; Jan. 29.
Mold: *See*—
Brick mold. Golf-tee mold.
Mold. J. E. Perrault. 1,482,145; Jan. 29.
Molding process. H. C. Egerton. 1,482,185; Jan. 29.
Motor: *See*—
Valve-in-head motor.
Motor-control system. G. W. Huey. 1,481,905; Jan. 29.
Motors, Electric-winding device for spring. W. Hornauer. 1,482,191; Jan. 29.

Mounting articles, Machine for. W. E. Elliott. 1,482,120; Jan. 29.
Multigraph apparatus, Means for driving. W. E. Verkler. 1,482,053; Jan. 29.
Multiplex systems, Repeater for. H. A. Affel. 1,481,817; Jan. 29.
Neckwear, Men's. J. A. Hewes. 1,481,839; Jan. 29.
Nonslipping attachment. D. Cross. 1,482,349; Jan. 29.
Nut-cracking machine. C. S. Leonard. 1,482,018; Jan. 29.
Nuts, Machine for counterboring. H. M. Brightman. 1,481,983; Jan. 29.
Oil burner. I. M. Sharp. 1,482,269; Jan. 29.
Oil-burning apparatus. J. E. Pfeffer. 1,481,879; Jan. 29.
Oil from cotton and similar seed meats, Apparatus for expressing. N. B. Henry. 1,481,838; Jan. 29.
Oil gauge. S. W. Finch. 1,481,835; Jan. 29.
Oiler, Pitman. J. F. Lowe. 1,481,916; Jan. 29.
Ordnance breech mechanism. A. T. Dawson, G. T. Buckham, and D. F. Asbury. 1,482,118; Jan. 29.
Ordnance-sighting apparatus. A. T. Dawson and G. T. Buckham. 1,481,859; Jan. 29.
Orthodontic appliance. R. W. Eaton. 1,481,861; Jan. 29.
Oxides, especially lead oxides, Production of metal. J. A. Thibault. 1,482,327; Jan. 29.
Package, Tag. H. A. Chandler. 1,482,285; Jan. 29.
Packing for rotating bodies. C. A. Parsons and A. Q. Carnegie. 1,482,031; Jan. 29.
Packing structure. E. M. Parks. 1,482,141; Jan. 29.
Pail, Dinner. J. N. Simms. 1,482,271; Jan. 29.
Panification. L. Negro. 1,482,245; Jan. 29.
Paper, Making. W. R. Howard. 1,482,012; Jan. 29.
Parallelometer. F. J. Remy. 1,482,149; Jan. 29.
Pencil clip or holder. W. W. Carnett. 1,481,984; Jan. 29.
Pencil, Self-feeding and self-sharpening. A. A. E. Hansen. 1,482,300; Jan. 29.
Perch, Sanitary chicken. D. J. Reen. 1,482,034; Jan. 29.
Petroleum and the like, Device for raising. J. Streda. 1,482,161; Jan. 29.
Phone-connector block, Series. A. B. McCall. 1,482,083; Jan. 29.
Phonograph. W. F. Luhnow. 1,481,870; Jan. 29.
Photographic film, Method and apparatus for producing a plurality of images of separate objects on a. L. F. Douglass. 1,482,070; Jan. 29.
Photography, Method and apparatus for producing multiple and miniature image effects in. L. F. Douglass. 1,482,068–9; Jan. 29.
Picker: *See*—
Cotton picker.
Picture machines. Protective device for moving. N. Power. 1,482,200; Jan. 29.
Pipe connection, Boiler-. V. Andrioli. 1,482,060; Jan. 29.
Pipe wrench. W. A. Ellison. 1,482,223; Jan. 29.
Pipes for connection, Device for aligning. J. Streda. 1,482,162; Jan. 29.
Piston. E. F. Jones. 1,481,909; Jan. 29.
Piston. G. A. Taylor. 1,482,101; Jan. 29.
Piston lapping-in tool, Expansion. O. C. Moore. 1,482,089; Jan. 29.
Piston and cylinders, Applying graphite to engine. J. Thomson. 1,481,936; Jan. 29.
Pistons, Securing wrist pins in. T. J. Litle, jr. 1,482,135; Jan. 29.
Plates, rails, bars, and the like, Electromagnetic appliance for handling. J. J. Inglis. 1,482,235; Jan. 29.
Portable elevator. E. N. Hescock. 1,482,302; Jan. 29.
Powder jack. P. Fannon. 1,481,958; Jan. 29.
Press: *See*—
Juice press. Thrust-bar press.
Printing press. Web-printing press.
Printing. C. F. Dausmann. 1,482,354; Jan. 29.
Printing machine. J. S. Duncan. 1,481,860; Jan. 29.
Printing press. C. F. Dausmann. 1,482,351–3; Jan. 29.
Printing press. C. F. Dausmann. 1,482,355; Jan. 29.
Printing press. R. S. Tyler. 1,482,102; Jan. 29.
Projectile. J. H. Hammond, jr., and H. L. F. Buswell. 1,481,798; Jan. 29.
Projectile. C. H. Miller. 1,481,872; Jan. 29.
Protective device. F. W. Peek, jr. 1,482,318; Jan. 29.
Pump. F. Z. Barrundia. 1,481,820; Jan. 29.
Pump, Automatic mine. C. Lewis. 1,482,238; Jan. 29.
Pump, Oil. J. C. Palmer. 1,482,030; Jan. 29.
Pumping jack. J. A. Earley. 1,481,997; Jan. 29.
Punch, Hand. W. C. Stoppelwerth. 1,482,099; Jan. 29.
Rack: *See*—
Galvanizing rack.
Radiator. E. M. Rosenfeld. 1,482,320; Jan. 29.
Radio apparatus. R. W. French. 1,481,950; Jan. 29.
Radio receiving system. J. Weinberger. 1,481,945; Jan. 29.
Radio system. W. N. Fanning. 1,482,122; Jan. 29.
Radiotelegraph outfits, Recorder for. W. G. H. Finch. 1,482,293; Jan. 29.
Rail joint with lightened web. B. Wolhaupter. 1,482,333; Jan. 29.
Rails, Machine for sawing and punching. J. S. Dayton. 1,482,350; Jan. 29.
Railway crossings, Safety highway approach to. W. H. Banks. 1,482,181; Jan. 29.
Railway motors, Air conductor for. A. H. Candee. 1,481,888; Jan. 29.
Railway-switch lock. J. R. Dooley. 1,481,992; Jan. 29.
Razor and stropper, Safety. L. L. Witter. 1,482,371; Jan. 29.
Razor, Self-stropping safety. L. V. England. 1,482,291; Jan. 29.
Receptacle. I. Marks. 1,482,085; Jan. 29.
Reflector. A. Miethe. 1,482,313; Jan. 29.
Refractometer. F. Löwe. 1,481,917; Jan. 29.
Refrigerating apparatus, Artificial. E. P. Oswald and C. M. Holley. 1,482,028; Jan. 29.
Refrigerating apparatus, Artificial. H. D. Pownall. 1,481,928; Jan. 29.
Refrigerator, Absorbtion. E. Rumpler and A. Rennau. 1,482,322; Jan. 29.
Resin, Casting synthetic. C. Ellis. 1,482,357; Jan. 29.
Ring: *See*—
Spinning ring.
Rivet holder. E. B. Stimpson. 1,482,275; Jan. 29.
Roaster: *See*—
Coffee roaster.
Rock drill. J. Lodato. 1,482,310; Jan. 29.
Rod: *See*—
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Roofing elements, Method of and means for coating the edges of. F. C. Overbury. 1,482,090; Jan. 29.
Roofing tile. B. Schnitzler. 1,482,267; Jan. 29.
Rotary engine. C. H. Haeseler. 1,481,865; Jan. 29.
Rubber articles, Method and apparatus for making. J. R. Gammeter. 1,481,895; Jan. 29.
Rubber composition and making same. G. W. Acheson. 1,482,340; Jan. 29.
Rubberized fiber composition, Making. B. H. Yackee. 1,482,336; Jan. 29.
Safety. Z. E. Rice. 1,482,150; Jan. 29.
Sash or panels, Device for operating sliding. C. E. Letts. 1,481,915; Jan. 29.
Sash raising and fastening mechanism. A. D. and E. J. Rawlings. 1,482,257; Jan. 29.
Saw blades, Apparatus for making. A. König. 1,481,803; Jan. 29.
Saw jointer and gauge, Combined. G. Anderson. 1,481,818; Jan. 29.
Saw machine, Band-. B. E. Jarvis and L. C. Lotz. 1,482,013; Jan. 29.
Saw, Rotary-feed gang. H. R. Sanders. 1,482,323; Jan. 29.
Scale, Price. J. D. McGregor. 1,481,920; Jan. 29.
Scissors, Buttonhole. L. A. Lightcap. 1,482,309; Jan. 29.
Scoreboard. L. D. Long. 1,481,916; Jan. 29.
Scouring implement. R. B. Kingman. 1,482,016; Jan. 29.
Screen: *See*—
Blasting screen.
Searchlight and other projector. C. A. Parsons, E. Bennett, and H. Rowe. 1,482,142; Jan. 29.
Seepage joint. E. W. N. Boosey. 1,482,216; Jan. 29.
Self-healing tube. W. Fetter. 1,482,124; Jan. 29.
Shade rollers, Lock device for. E. J. Barrett. 1,482,214; Jan. 29.
Shaft-adjustment device. C. Drake. 1,481,993; Jan. 29.
Sharpener for safety-razor blades. J. M. Schilts. 1,482,265; Jan. 29.
Sheet-metal receptacle. H. Kielberg. 1,482,015; Jan. 29.
Shipbuilding device, Magnetic. A. J. Jackson. 1,481,906; Jan. 29.
Ship propulsion, Electric. E. F. W. Alexanderson. 1,481,852; Jan. 29.
Ship propulsion, Electric. E. F. W. Alexanderson. 1,481,853; Jan. 29.
Ship propulsion, Electric. D. C. Prince. 1,481,880–1; Jan. 29.
Shoe-lacing device. W. J. Hart. 1,481,903; Jan. 29.
Shoe-shaping machine. H. L. Yeaton. 1,482,337; Jan. 29.
Shoes, Making. E. Brothers. 1,482,220; Jan. 29.
Shoes, Making. A. F. Pym. 1,482,201; Jan. 29.
Showcase construction. R. L. Herrick. 1,482,188; Jan. 29.
Sign. W. A. Schultz. 1,482,324; Jan. 29.
Signal receiving, Directional. R. L. Williams. 1,481,946; Jan. 29.
Signaling, Repeater arrangement for multiplex. C. S. Demarest. 1,481,831; Jan. 29.
Snow remover. F. D. Stephenson. 1,482,048; Jan. 29.
Soap paste. F. W. Shields. 1,481,811; Jan. 29.
Socket wrench. W. H. Fisher. 1,482,075; Jan. 29.
Solids from liquids, Machine for separating. C. H. Hapgood. 1,482,229; Jan. 29.
Sound, Means for recording and reproducing. L. de Forest. 1,482,119; Jan. 29.
Sound-reproducing machines, Electric drive for. C. I. Hall. 1,481,898; Jan. 29.
Spinning frame. J. P. Garey. 1,482,004; Jan. 29.
Spinning machines, Automatic electromagnet rover stop or breaker for. D. B. Brace and W. B. Thomas. 1,481,982; Jan. 29.
Spinning ring. E. W. Powers. 1,482,255; Jan. 29.
Spreader. F. M. and R. M. Kinnard. 1,481,913; Jan. 29.
Sprinkler: *See*—
Automatic sprinkler.
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Stapling machine. H. R. Holbrook. 1,481,867; Jan. 29.
Steering gear. E. H. Sherbondy. 1,482,155; Jan. 29.
Steering wheel and making same. W. B. McAllister. 1,481,846; Jan. 29.
Stencil holder. G. Semerotti. 1,482,264; Jan. 29.
Stencil making. S. Elliott. 1,481,834; Jan. 29.

Stopper. W. M. Latremore. 1,482,373; Jan. 29.
Storage battery. W. H. Wood. 1,481,947; Jan. 29.
Stove burners, Protecting shield for cooking-. D. W. Daughhetee. 1,482,287; Jan. 29.
Strap: *See*—
Flask strap.
Stretching and sealing machine, Combination. B. Nowland. 1,482,247; Jan. 29.
Suppository. E. Gearon. 1,482,077; Jan. 29.
Switch: *See*—
Electric switch. Time switch.
Switch. B. G. Jamieson. 1,481,841; Jan. 29.
Switch. R. E. Van Hoosear. 1,482,052; Jan. 29.
Switch interlock. H. F. Turner. 1,482,051; Jan. 29.
Swimming device. J. Pukel. 1,482,033; Jan. 29.
Syringe. J. W. Deben. 1,481,989; Jan. 29.
Tables and the like, Operating mechanism for concentrating. J. H. Carpey and W. A. Butchart. 1,482,284; Jan. 29.
Talking-machine records, Filing device for. A. L. Weis. 1,482,172; Jan. 29.
Tar heater. H. J. Friedman. 1,482,002; Jan. 29.
Teapot or similar article. G. E. Curtiss. Des. 63,843; Jan. 29.
Telephone-exchange system. F. N. Reeves. 1,481,969; Jan. 29.
Telescopic hydraulic jack. G. Prall. 1,482,256; Jan. 29.
Thermo bottle, Combination. L. Bondietti. 1,482,215; Jan. 29.
Thioureas, Making. W. G. O'Brien. 1,482,317; Jan. 29.
Threads, Apparatus and method of testing silk. A. A. Hassler. 1,482,231; Jan. 29.
Throttle-actuating device. W. H. Farr. 1,482,072; Jan. 29.
Thrust-bar press. O. Albert. 1,482,061; Jan. 29.
Time switch. G. Zinsel. 1,482,178; Jan. 29.
Timer. W. A. Ashley. 1,481,950; Jan. 29.
Timer distributor. W. E. Schwarzmann and A. Rosner. 1,482,204; Jan. 29.
Tire. H. G. Schmidt. Des. 63,855; Jan. 29.
Tire bead. M. A. Marquette. 1,482,240; Jan. 29.
Tire building former, Contractible. T. Midgley. 1,481,850; Jan. 29.
Tire, Cord. A. A. Glidden. Des. 63,847; Jan. 29.
Tire, Solid. F. D. Fowler. Des. 63,845; Jan. 29.
Tire, Solid. R. Muir. Des. 63,853; Jan. 29.
Tire structure. A. B. Broluska. 1,482,217; Jan. 29.
Tire test gauge and valve, Combined. W. F. Lent. 1,482,237; Jan. 29.
Tire tool. G. F. Hoag. 1,482,304; Jan. 29.
Tire tread. B. Granville. Des. 63,848; Jan. 29.
Tire valve, Pneumatic. F. Myers. 1,482,315; Jan. 29.
Tire, Vehicle. F. G. Bean. Des. 63,840; Jan. 29.
Tire, Vehicle. E. O. Blekre. Des. 63,841; Jan. 29.
Toilet chair, Folding. R. Ferdinand. 1,482,073; Jan. 29.
Tongs, Clinker, coal, and cinder. J. H. Williamson. 1,482,174; Jan. 29.
Toothbrush. W. Ochse. 1,482,027; Jan. 29.
Toothbrush container. D. S. Terrell. 1,481,935; Jan. 29.
Toothbrush, Rotary. J. R. Crutkshank. 1,481,891; Jan. 29.
Toy helicopter. L. W. Brown. 1,481,826–7; Jan. 29.
Toy pistol. W. Grupka. 1,482,007; Jan. 29.
Track gauge and bridle bar. O. Duncan. 1,481,996; Jan. 29.
Tractors, Power mechanism for. J. J. Tracy. 1,481,816; Jan. 29.
Transmission-band puller and holder therefor. G. A. McDermott. 1,481,968; Jan. 29.
Trap. H. H. Tollefson. 1,482,329; Jan. 29.
Truck. H. J. Andrews and J. M. Landenberger. 1,482,105; Jan. 29.
Truck-centering device. J. G. Blunt. 1,482,109; Jan. 29.
Trunk-drawer retainer, Wardrobe-. R. W. Owen, jr. 1,482,029; Jan. 29.
Truck frame, Trailing-. J. G. Blunt. 1,482,183; Jan. 29.
Truck, Lifting. W. Stuebing, jr. 1,482,277; Jan. 29.
Truck, Tongue. F. D. Wilson and O. F. Carlson. 1,482,057; Jan. 29.
Trucks, Floor and fender support motor. A. T. Sturt. 1,482,100; Jan. 29.
Tube: *See*—
Self-healing tube.
Tube cleaner. J. Lebenstein. 1,481,914; Jan. 29.
Tubes, Method and apparatus for vulcanising annular. A. E. Falor. 1,481,892; Jan. 29.
Tubes, Welding. R. O. and S. Berg. 1,481,887; Jan. 29.
Tubes, Vulcanization of. H. H. Harders. 1,481,902; Jan. 29.
Tubing, Machine for feeding. R. O. Berg. 1,481,886; Jan. 29.
Turbine. J. H. Felthousen. 1,482,292; Jan. 29.
Turbine, Hydraulic. G. A. Jessop. 1,482,236; Jan. 29.
Type-distributing machine, Automatic metal-. T. Atkinson and H. C. Day. 1,482,283; Jan. 29.
Typewriter attachment. H. C. Stevens. 1,482,160; Jan. 29.
Typewriting machine. J. C. Doane. 1,481,793; Jan. 29.
Typewriting machine. G. A. Seib. 1,481,810; Jan. 29.
Underbody, Child's. L. L. Roye. 1,482,321; Jan. 29.
Undergarment. N. B. Curtis. 1,481,791; Jan. 29.
Vacuum feed system. G. C. Nelson. 1,481,877; Jan. 29.
Valve. O. C. Little. 1,482,021; Jan. 29.
Valve, Combined safety and shut-off. E. P. Hewitt. 1,482,233; Jan. 29.
Valve, Float. C. Meighan. 1,482,241; Jan. 29.
Valve, Hollow throttle. S. Bailie. 1,482,211; Jan. 29.
Valve-in-head motor. J. W. Irvin. 1,481,962; Jan. 29.
Valve-operating mechanism. D. F. Asbury. 1,481,951; Jan. 29.
Valve-spring-compressing device. L. H. Gray. 1,482,297; Jan. 29.
Valves, Accelerator for dry-pipe. A. C. Rowley. 1,482,259; Jan. 29.
Vanadium, Recovering. W. E. Stokes. 1,482,276; Jan. 29.
Vanity box, Combination. G. Gussoff. 1,481,796; Jan. 29.
Vaporizer. H. C. Wilson. 1,482,175; Jan. 29.
Vehicle, Motor. B. C. Zuhars. 1,482,179; Jan. 29.
Vehicle springs, Snubber for. H. M. Brewster. 1,482,114; Jan. 29.
Vehicles, Curtain light for motor. J. Hammerl. 1,481,836; Jan. 29.
Vehicles, Emergency brake for. D. R. Spung. 1,482,159; Jan. 29.
Vehicles, Speed-controlling brake for. G. Stowe and G. E. Molyneux. 1,481,933; Jan. 29.
Vehicles, Spring suspension for motor. H. N. and T. N. Garson. 1,481,896; Jan. 29.
Vehicles, Traction and driving mechanism for. A. J. Borst, jr. 1,482,113; Jan. 29.
Vehicles, Turning truck for. J. D. Errecaborde. 1,482,121; Jan. 29.
Vessels, Power apparatus for use on. A. E. L. Chorlton and J. S. Doig. 1,481,829; Jan. 29.
Vibration, Method and apparatus for locating the direction of a source of. G. H. Nash. 1,481,923; Jan. 29.
Visor, Adjustable. E. Hiatt. 1,482,078; Jan. 29.
Vitreous articles, Apparatus for severing. F. W. Smith. 1,482,272; Jan. 29.
Watch straps and the like, Buckle for wrist-. H. H. Duke. 1,481,995; Jan. 29.
Water from the bilge or ballast tank, Process and apparatus for discharging uncontaminated. C. H. Hapgood. 1,481,901; Jan. 29.
Web printing press. C. F. Dausmann. 1,482,356; Jan. 29.
Weed-cutting device. H. S. Beaton. 1,482,064; Jan. 29.
Weighing and measuring apparatus. L. D. J. A. Dunoyer. 1,482,222; Jan. 29.
Weighing device. R. J. Zanone. 1,482,058; Jan. 29.
Welding machine, Joist-. T. H. Kane. 1,481,912; Jan. 29.
Wheel: *See*—
Disk wheel.
Wheel. J. Ley. 1,482,239; Jan. 29.
Wheel. F. H. Walkley. 1,482,168; Jan. 29.
Wheel drive, Four. H. Harder. 1,482,301; Jan. 29.
Wheel for vehicles, Resilient. V. and B. Lazaro. 1,481,852; Jan. 29.
Wheel lug. N. R. Nelson. 1,482,139; Jan. 29.
Wheels, Mud lug for. L. W. Timberlake. 1,482,050; Jan. 29.
Wind instruments, Hand protector for. H. J. Bach. 1,481,855; Jan. 29.
Window channel. E. M. Guillaume. 1,482,132; Jan. 29.
Window-cleaner's safety harness. H. J. Griest. 1,482,130; Jan. 29.
Window, Sliding-sash. J. Weber. 1,482,169; Jan. 29.
Windshields, Adjustable gunshade and storm curtain for. G. Harrold. 1,482,230; Jan. 29.
Wire-drawing machine. F. B. Crosby. 1,482,348; Jan. 29.
Wire rope. N. C. Harrison. 1,481,801; Jan. 29.
Wire rope. C. C. Sunderland. 1,481,934; Jan. 29.
Wire stretching and splicing tool. J. H. C. Hird. 1,482,303; Jan. 29.
Wrapping machine. C. W. Johnson. 1,482,014; Jan. 29.
Wrench: *See*—
Pipe wrench. Socket wrench.
Writing implement, Duplex. A. Visitacion. 1,482,054; Jan. 29.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 29, 1924.

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[Decisions of the United States District Courts are indicated by the letter (b); of the Court of Appeals of the District of Columbia by a star (*); of the United States Circuit Court of Appeals by the letter (d).]

ERRATA.

1,482,896, page 188, in heading, after residence of patentees insert *assignors to The American Seeding Machine Company, Springfield, Ohio.*

1,482,958, page 200, first claim, line 11, after the article "the" insert the words *top of.*

1,483,380, page 377, in heading, name of patentee, for "Sidney Armor Reede" read *Sidney Armor Reere.*

1,484,276, page 635, second claim, line 3, for "faces," first occurrence, read *bases.*

Patents Nos. 1,482,376 to 1,483,062.

THE OFFICIAL GAZETTE

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Total	1266		

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Jan. 22, 1924.*

Lady Jane Hat Shops, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Samuel Stores, Inc., 456 Fourth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of Lady Jane Hat Shops, Inc., of 2826 Broadway, New York, N. Y., No. 136,063, dated October 26, 1920, and the notice of such proceeding sent by registered mail to said Lady Jane Hat Shops, Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Lady Jane Hat Shops, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 14, 1924.*

John R. Edmiston, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James Brothers, of 1519 Boardwalk, Atlantic City, N. J., to effect the cancellation of the trade-mark registration of John R. Edmiston, of 1231 Pennsylvania Avenue, Washington, D. C., No. 172,016, dated August 21, 1923, and the notice of such proceeding sent by registered mail to the said John R. Edmiston at the said address and also to No. 7 North Howard Street, Baltimore, Md., having been returned by the post office authorities as undeliverable, notice is hereby given that unless said John R. Edmiston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 10, 1924.*

Austin, Poor & Co., their assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ireland Bros. Inc., of 102 Franklin Street, New York, N. Y., to effect the cancellation of the trade-mark registration of Austin, Poor & Co., of 72 Leonard Street, New York, N. Y., No. 54,319, dated June 26, 1906, and the notice of such proceeding sent by registered mail to the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Austin, Poor & Co., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Disclaimer.

1,434,356.—*Henry T. Doulett*, Brockton, Mass. EYELETING MACHINE. Patent dated October 31, 1922. Disclaimer filed January 22, 1924, by the assignee, *United Shoe Machinery Corporation.*

Hereby enters this disclaimer—

"To said claims 3, 4, 5, and 16 of said Letters Patent, which are in the following words, to wit:

"3. A device for setting eyelets in one of a plurality of layers of a flexible material, said device comprising an anvil and a co-operating setting device having a projecting setting-shoulder and a contracted portion above the setting-shoulder.

"4. An eyelet setting device consisting of means for setting eyelets in one of the outside layers of a plurality of layers of material, comprising a lower anvil, an eyelet positioning device and an upper setting device having a slightly projected setting-shoulder and a contracted portion above the setting-shoulder.

"5. The combination of a punching and eyelet setting device for setting eyelets in one or more of the layers of a plurality of layers of material, comprising a punch and a setting device having a projecting setting-shoulder and a contracted portion above the setting-shoulder.

"16. In a machine for setting invisible eyelets in one or more of the layers of a plurality of layers of materials, a die for inserting an eyelet through a hole punched in one or more of said layers, and an upsetting die having a shouldered projection forming a base portion and a reduced portion, the reduced portion being constructed and arranged, during the clenching operation, to extend into said last-named layer or layers while the base portion extends through the other of said layers, said other of said layers being an outer layer, and an upsetting surface formed by the transverse surface of the shoulder between the base and the reduced portion."

Condition of Applications Under Examination at Close of Business January 25, 1924.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, excluding Trade-Mark Division, 64,797; Trade-Mark Division, 1,900. Oldest new case, Apr. 30, 1923; oldest amended, May 1, 1923. The dates given are 1923, except where * indicates 1924.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	May 17	June 5	1,163
128	2. HAGEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 16	May 26	1,224
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 14	Aug. 27	971
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	May 19	June 21	1,265
167	5. MAGNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	May 3	May 14	1,436
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	Apr. 30	June 25	1,825
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	June 25	June 23	2,517
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Aug. 1	Sept. 13	1,594
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 1	Dec. 22	716
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	June 8	June 18	1,467
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Sept. 4	Sept. 1	781
322	12. PIERCE, P. P., Machine Elements	June 26	July 7	1,081
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 17	Aug. 13	1,158
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 5	Dec. 4	1,060
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	May 2	May 12	1,983
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	May 10	May 9	2,702
307	17. RAITER, G. S., Coating; Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 1	Aug. 16	1,359
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	May 3	May 1	2,007
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Sept. 1	Oct. 29	1,108
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 17	June 25	1,288
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	May 10	Nov. 7	925
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	June 28	July 24	418
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	May 7	May 5	622
144	24. DULAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	May 18	July 2	1,044
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Sept. 14	Oct. 16	820
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	May 17	May 1	962
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	June 6	June 29	1,280
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 12	1,296
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 8	June 4	1,218
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 4	Nov. 8	1,098
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	June 9	June 29	1,369
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	May 5	May 10	1,295
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	June 6	June 6	1,385
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 20	July 21	862
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 21	Sept. 28	894
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	July 17	July 9	1,780
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	May 28	May 21	1,762
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	May 4	May 2	1,577
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 1	May 3	1,092
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 12	Oct. 18	1,914
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 16	June 27	961
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 4	June 1	1,802
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	June 5	May 19	1,700
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	May 5	Sept. 12	1,046
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	July 30	July 13	1,477
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	July 30	Aug. 10	1,145
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	June 12	Sept. 10	1,029
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	May 4	May 2	2,368
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	June 25	July 20	496
102	DESIGNS: C. O. MARKHAM (Acting)	Dec. 20	Dec. 10	444
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	Trade-Marks Dec. 10	*Jan. 2	1,803
		Labels and Prints *Jan. 2	*Jan. 19	166

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

DOREMUS AND BENSER, INC., *v.* JACOBS.

Decided December 15, 1923.

1. TRADE-MARKS—NAME INSEPARABLY ASSOCIATED WITH PATENTED DEVICE.

When the owner of a patent adopts a name for his patented device and so closely associates that name with the device that it becomes inseparable, the right to make, use, and sell the device which vests in the public on the expiration of the patent carries with it the right to employ as descriptive of the patented device the name applied to it by the patentee.

2. SAME—SAME.

This Office should not grant a certificate of registration of a mark which by statute runs for twenty years when that mark consists of the name of a patented device, which patent will expire before the twenty-year registration period and so become free to the public, while the certificate of registration still remains in effect.

ON APPEAL.

TRADE-MARK FOR A PARLOR GAME CONSISTING OF TOY BIRDS, ETC.

Mr. Clarence G. Campbell for Doremus and Benser, Inc.

Mr. George E. Mueller for Jacobs.

FENNING, *Assistant Commissioner:*

Both parties appeal from the action of the Examiner of Interferences holding that neither of the parties is entitled to registration for which each has made application.

Section 7 of the act of 1905 provides that in every case of interference the Examiner of Interferences shall determine the question of the right of registration. On this appeal that duty rests upon me.

The Examiner of Interferences found, among other things, that the mark here in issue is descriptive within the meaning of section 5 of the Trade-Mark Act of 1905.

[1] The specimen labels filed by the parties are substantially identical. The label includes a picture which is a substantial reproduction of the drawing of Patent No. 1,383,610, together with the words "Bang Bird America's Popular Parlor Game," and in a small block the name of the applicants. It is admitted by both parties that "Bang Bird," for which registration is here sought, is the name applied to the game of Patent No. 1,383,610, and, as pointed out by the Examiner of Interferences, it has become as exact a definition of the patented game as are the claims of the patent. There is nothing to show that there is any way of calling for or purchasing the game other than by its name. When the owner of a patent adopts a name for his patented device and so closely associates that name with the device that it becomes inseparable, the right to make use and sell the device which vests in the public on the expiration of the patent carries with it the right to employ as descriptive of the patented device the name applied to it by the patentee. This is so clearly established law that the statement need not be supported by a citation of decisions.

[2] In *Ex parte The Craftsman's Guild*, 143 O. G. 257; 1909 C. D. 91, registration of "Billiken" was refused for a statue on the ground that it was the name applied to the device covered by a patent and also protected by copyright. It seems clear that this Office should not grant a certificate of registration of a mark which by statute runs for twenty years when that mark consists of the name of a patented device, which patent will expire before the twenty-year registration period and so become free to the public, while the certificate of registration still remains in effect. For the reasons set out in the Craftsman's Guild case and the decisions cited therein I am constrained to affirm the decision of the Examiner of Interferences holding that neither party is entitled to registration of the mark.

After the hearing of this appeal a petition was filed to reopen the case and take additional testimony to show that one of the parties had abandoned the mark. This motion is opposed and in view of the conclusion now reached it becomes unnecessary to determine that question.

The motion, therefore, is denied.

The Examiner of Interferences is affirmed.

KRUG *v.* REICHERT.

Decided December 31, 1923.

1. INTERFERENCE—PATENT AND APPLICATION—DISCLAIMER ATTEMPTING TO LIMIT PATENTEE'S CLAIM—ADMISSIONS BY BOTH PARTIES—PATENTABILITY—RIGHT TO MAKE CLAIMS—DISSOLUTION.

Where, in an interference between K., a patentee, and R., an applicant, K. filed a disclaimer for the purpose of limiting his claims and then moved to dissolve, denying R's. right to make the amended claims, and the Law Examiner denied the motion, holding that the disclaimer was only to certain functions and not to any part of the thing patented, whereupon priority was awarded to K., both parties contending that the issue as expressed was not patentable over the art, and R. also contending that he could not make the claims as amended, and where the Examiners in Chief on appeal held the disclaimer ineffective because K's. remedy was only by reissue and affirmed the decision of the Examiner of Interferences, the decision of the Examiners in Chief was vacated by the Commissioner, the interference was dissolved, and the primary examiner was instructed to reject R's. claims on the art cited, since if the disclaimer was ineffective the claims were unpatentable, and if the disclaimer was effective both parties urged that R. could not make the claims.

2. DISCLAIMER ATTEMPTING TO LIMIT PATENTEE'S CLAIM—EFFECT OF.

Where K., a patentee, filed a disclaimer for the purpose of limiting his claims and the disclaimer was held ineffective by both the Law Examiner and the Examiners in Chief, although for different reasons,

Held that if the disclaimer is not technically effective to rewrite the claims, it is effective as an admission against the interests of K.

APPEAL from Examiners in Chief.

ANTISKID DEVICE FOR VEHICLE WHEELS.

Messrs. Williams, Bradbury & See for Krug.
Mr. Hubert E. Peck for Reichert.

FENNING, *Assistant Commissioner:*

Reichert appeals from the action of the Examiners in Chief awarding priority to Krug, the junior party.

The issue is claims 6 to 10 of Krug's Patent No. 1,330,876. Claim 6 reads:

6. Means for securing an anti-skid chain to a vehicle wheel, comprising a bar having an edgewise offset end portion provided with an opening, and a hook formed integral with said end portion and lying in a plane extending at an angle to said bar.

May 11, 1921, Krug filed a disclaimer setting out that the claims of his patent were too broad, including that of which the patentee was not the first inventor, wherefore he enters his disclaimer:

To those parts of claims 6 and 10 of said patent which are in the following words: "A bar having an edgewise offset end portion" except where the edgewise offset end portion provides a clearance space between it and the felly of the wheel, to which said bar is secured, for the passage of a portion of an anti-skid chain; and further enters this disclaimer to those parts of claims 7 and 8 which are, respectively, in the following words: "A bar having an end portion provided with an opening" and "one end of said bar having an opening formed therein," except where said opening is used for securing one end of an anti-skid chain.

The disclaimer was accepted by the Office and printed in the Official Gazette of May 17, 1921.

On May 16, 1921, Krug moved to dissolve on the ground that Reichert could not make the claims, that Reichert could not make the claims as amended by the disclaimer, and that if the claims were construed to include the Reichert construction they were invalid, in view of Patent No. 966,074, Bell. On June 1, Reichert moved to terminate the interference in accordance with *Moore and McKee* v. *Bradley* v. *Doering*, 1912 C. D. 205; 180 O. G. 879; *Manson* v. *Hutchison*, 1914 C. D. 33; 201 O. G. 569; *Fend* v. *Miggett*, 1916 C. D. 9; 223 O. G. 649.

The Law Examiner held that Reichert had the right to make the claims and that the disclaimer by Krug was only to certain functions of the element bar, that in order to avoid a continuance of the interference the subject matter of the counts should be disclaimed. The case then went to final hearing, priority being awarded to Krug. Before the Examiner of Interferences—

both parties contend orally that the issue as expressed by the counts is not patentable over the art as disclosed in the patent to Bell, No. 966,074.

Reichert moved to terminate the interference on the ground that the disclaimer and the contentions of both parties that the original counts were not patentable should cause a dissolution of the interference. The Commissioner denied the petition on the ground that remedy lay through an appeal to the Examiners in Chief. Reichert asked for rehearing before the Examiner of Interferences, which was denied and his appeal to the Examiners in Chief resulted in an award of priority to Krug.

Both parties contend that the counts of the interference are not patentable if in the terms of the Krug patent as issued. Under these circumstances it is clear that the interference should be dissolved under the doctrine of *Slivinski* v. *Lane*, 1922 C. D. 4; 295 O. G. 464.

The Examiners in Chief held that the disclaimer filed here is ineffective under the doctrine set out in *Carnegie Steel Company* v. *Cambria Iron Company*, 185 U. S. 403; 22 S. Ct. 698; 46 L. Ed. 968; 99 O. G. 1866; 1902 C. D. 592; that a disclaimer the purpose of which is to reform or alter the description of the invention, or convert the claim from one thing into something else is objectionable, since patents can only be amended for mistakes of this kind by a reissue.

[1, 2] It is argued by the Examiners in Chief that since the disclaimer is ineffective to limit the claims, the interference must proceed for the reason that the Law Examiner has held Reichert entitled to make the claims. This view overlooks the additional consideration that both parties allege that the claims are unpatentable. If the disclaimer is ineffective, the claims are unpatentable. If the disclaimer is effective, both parties urge that Reichert cannot make the claims. Under these circumstances it is clear that nothing will be accomplished by proceeding to determine the moot question of priority, since under no circumstances can a patent be issued to Reichert for the counts of the present interference. It is unnecessary, therefore, for us to determine the effect of the disclaimer, although it does seem clear that no court will ever hold Krug entitled to the claims in issue given an interpretation broader than that set out in his disclaimer. If the disclaimer is not technically effective to rewrite the claims, it certainly is effective as an admission against the interest of Krug.

The decision of the Examiners in Chief is vacated, the interference is dissolved, and the Primary Examiner is instructed to reject the counts of the interference to Reichert on the patent to Bell, No. 966,074.

PLOUGH CHEMICAL COMPANY *v.* BULLION.

Decided January 8, 1924.

1. TRADE-MARKS—OPPOSITION—GEOMETRICAL FIGURES—COLORS—NOT DECEPTIVELY SIMILAR.

Where the applicant's goods are put up in packages which are in common use for other similar goods in the trade and the testimony is clear that dealers handling the goods find no confusion between the two packages, *Held* that the applicant's mark consisting of a rectangle divided by two diagonals into four triangles, the upper and lower triangles being white and the right and left triangles being red, is not deceptively similar to opposer's mark, consisting of a rectangle which a single diagonal divides into two parts, the upper of which is black and the lower of which is white.

2. SAME—SAME—"RED AND WHITE"—"BLACK AND WHITE"—NOT DECEPTIVELY SIMILAR—CONFUSION AMONG WHOLESALERS—CARELESSNESS.

Where there was some showing of confusion among wholesalers with respect to the names "Red and White" and "Black and White," but it appeared that the confusion arose partially from the fact that orders were taken for "B and W" or "R and W," or through negligence on the part of employees, the opposition was not sustained.

3. SAME—SAME—DISHONEST METHODS AND CARELESS PURCHASERS.

Where the testimony indicated that at least one package of "Red and White" was sold when "Black and White" was asked for, but it did not appear that the consumer looked at the package when purchased, or was deceived, *Held* that when one thing is asked for almost anything may be wrapped up and delivered, but it is not such dishonest methods that can be prevented or such careless purchasers that can be protected by distinguishing trade-marks.

4. SAME—FAMILIAR THINGS EASIER TO DISTINGUISH.

In trade-marks as in matters of life generally it is easier to distinguish between two things which are both strange and new.

5. SAME—OPPOSITION—REMOVAL TO RIVAL'S CITY—ADOPTION OF NEW MARK MORE NEARLY RESEMBLING HIS.

Where B. sold goods under the name "Bullion" for several years and then moved to opposer's city and found "Black and White" on the market, and being dissatisfied with his mark "Bullion" he adopted "Red and White" in addition to his old mark, *Held* that he was justified in this, especially, as he originally selected "Red, White and Blue," but was advised by his counsel to omit the blue, since the three colors had a national governmental significance.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS.

Mr. E. W. Bradford for Plough Chemical Company.
Mr. John W. Farley and *Mr. C. L. Parker* for Bullion.

FENNING, *Assistant Commissioner:*

Bullion appeals from the action of the Examiner of Interferences sustaining two oppositions to the registration of his trade-marks. One of applicant's marks is "Red and White," which opposer says should be refused registration in view of opposer's use and ownership of "Black and White."

Applicant's other mark consists of a rectangle divided by two diagonals into four triangles, the upper and lower triangles being white and the right and left triangles being red. Opposer contends this should not be registered as being too near its mark, which consists of a rectangle which a single diagonal between the upper right and lower left corners divides into two parts, the upper of which is black and the lower of which is white.

The goods involved are substantially the same and include miscellaneous toilet articles, such as talcum powder, hair dressing, cold creams, etc., the great bulk of which is purchased and used by women.

The applicant moved to dismiss the oppositions, and on appeal I denied the motion on the ground that the marks were not so clearly different that confusion was impossible.

We now have before us a printed record of 294 pages, consisting of testimony taken here as well as testimony taken in open court in a suit for unfair competition brought by the Plough Company against Bullion, in the chancery court of Shelby County, Tennessee. We are not advised as to the outcome of that suit, but apparently it did not result in a judgment for either party.

[1] It is urged here that the parties put their goods in similar packages and dress them the same. It is clear, however, that applicant at least uses stock containers selected from catalogues and not specially made for him, and that his goods are put up in packages which are common for other similar goods in the trade. Moreover, the testimony is clear that dealers handling the goods find no confusion between the two packages. This testimony satisfies me that in fact applicant's mark consisting of two red triangles and two white triangles is not deceptively similar to opposer's mark, consisting of two black and two white triangles.

Hall testifies for Plough Company:

Int. No. 30: How about the colors as they appear in the stock room? Are they clearly distinguishable one from the other, or otherwise?
Ans. Int. No. 30: Yes, sir; they are different, very different as to color.
Int. No. 31: In a poorly lighted stock room can you easily distinguish the Red and White from the Black and White?
Ans. Int. No. 31: Yes, sir; I imagine you could.

[2] There is some showing of confusion among wholesalers with respect to the names "Red and White" and "Black and White," but it appears that the confusion arose partially from the fact that orders were taken for "B. & W." or "R. & W." or through negligence on the part of employees.

Quick testifies for Plough Company:

Int. No. 14: To what were these errors attributable?
Ans. Int. No. 14: Well, they can be attributed to two or three causes,—the order clerk up stairs having more calls for Black and White than he does Red and White, just reads it in a hurry and puts in Black and White where the man will want Red and White; that is one of the main causes.
Int. No. 15: Now, do you regard the similarity of names as one of the causes for such errors?
Ans. Int. No. 15: The similarity of the names as a whole would leave room for no doubt, but down there where we are pressed for time we abbreviate quite extensively,—we don't write the "Black and White" out, we generally write "B. & W." and on the Red and White we write "R. & W." and that is where the errors come in.

[3] There is testimony indicating that at least one package of "Red and White" was sold when "Black and White" was asked for, but it does not appear that the consumer looked at the package when purchased or was deceived. It is admitted that when one thing is asked for, almost anything may be wrapped up and delivered, irrespective of the dress of the goods or the trade-mark applied to them, but it is not such dishonest methods nor such careless purchasers that can be protected against by distinguishing trade-marks.

It has been shown that with respect to at least some of the goods of the parties here much selective care is adopted to procure goods of the proper color. We may take judicial notice of the fact that women as a rule have color sense and readily distinguish colors. Red being one of the primary colors and being a color which is commonly used and commonly known to everyone, as is black, it seems clearly distinguishable from black. The combination "Red and White" has as separate and distinct an entity from "Black and White" as "John Smith" has from "William Smith."

[4] In trade-marks as in matters of life generally it is easier to distinguish between two things which are familiar than between two things which

are both strange and new. To a chemist "sulphate" and "sulphite" are readily distinguishable, but they are not to the man in the street. "Red" and "Black" are words with which we are familiar from infancy and their distinction is always apparent, even to the uneducated.

The exhibits here indicate that it is common in the trade to employ combined colors in characteristic manners in connection with goods such as those here in issue. Exhibit Record No. 291 shows a red and gold package. Exhibit No. 31, shows a blue and white checkerboard package. Exhibit No. 35 shows black and cream stripes. "Stacomb" shows black and gold stripes. Armand Record No. 120 shows a red and white package surcharged with blue lines.

Since the unfair competition case in the State court brought no relief, and in view of the diversity of packages in the market, and in view of the weakness of the testimony, I am constrained to hold that the Plough Company has not been able to show probability of the confusion which my decision on the motion to dismiss found possible.

[5] It is true that Mr. Bullion sold toilet goods under the name "Bullion" for several years, that he subsequently moved to Memphis and continued that trade, even to the time of taking testimony. In Memphis, where is opposer's place of business, he found "Black and White" on the market. Being somewhat dissatisfied with his Bullion mark, he sought a new mark and adopted "Red and White," in addition to his old one. I think he was justified in this, especially in view of the fact he originally selected "Red, White and Blue," but was advised by his counsel to omit the blue, since the three colors had a national governmental significance.

Trade-mark matters are largely concerned with the ultimate consumer or the final purchaser. The goods here involved are carried by drug stores and department stores; the sales of both parties have been extensive, but no single purchaser has been produced who has testified to confusion of marks; no single purchaser has been produced on whom the goods of one party have been palmed off as the goods of the other, except in a single instance at the pharmacy managed by Mr. Plough, the brother of the president and founder of the opposer company, who testifies that he would not attempt to palm off the goods of one manufacturer for those of another.

The Examiner of Interferences is reversed and the oppositions are dismissed.

U. S. District Court—District of Delaware.

FOAMITE-CHILDS CORPORATION *v.* PYRENE MANUFACTURING COMPANY.

Decided April 28, 1923.

1. PRIMARY EVIDENCE—CERTIFIED COPY OF RECORD.
In the absence of statute so providing the record of a private writing is not primary evidence. It is, of course, self evident that a certified copy of the record is not evidence of a higher grade than the record itself.

2. SAME—RECORDS OF ASSIGNMENTS OF PATENTS.
Revised Statutes section 4898, as amended by act of March 3, 1897 (Comp. Stat. 1916, par. 9444), and Revised Statutes section 892 (Comp. Stat. 1916, par. 1505), the only statutes pertaining thereto, do not make the record of assignments of patents evidence of a primary character.

3. SECONDARY EVIDENCE—PUBLIC RECORD OF PRIVATE DOCUMENT.
A duly-authorized public record of a private document, not made primary evidence by statute, is, however, in that it is presumed to be a true and correct copy of the original, admissible as secondary evidence upon proper foundation being laid.

4. SAME—FOUNDATION FOR—RECORD OF ASSIGNMENT OF A PATENT—CERTIFIED COPY.
It is a general rule of law that before a copy of a document may be admitted not only must the destruction, loss, or unavailability for other reasons of the original be first proved, but the execution of the original must also be established in the same manner as if the original were produced. This rule is applicable to the record of an assignment of a patent and to a certified copy of such record.

5. SAME—SAME—ASSIGNMENT OF PATENT—STATUTORY PROVISIONS.
It cannot be held that the certificate of acknowledgement of an assignment of a patent is prima facie evidence of the execution of such assignment, as provided by the statute (29 Statute, 692), unless the assignment is acknowledged before one of the officers specified by the statute. It is equally obvious that a copy of the original cannot be stronger evidence of the execution of an assignment than is the original.

6. ASSIGNMENT OF PATENT—ACKNOWLEDGMENT NOT BEFORE STATUTORY OFFICER.
Where none of the three assignments upon which plaintiff's claim of title rested was acknowledged before one of the statutory officers and the execution of two of those assignments was not made to appear aliunde, *Held* that there was before the court no evidence of plaintiff's title and, without considering the remaining questions presented, the motion for preliminary injunction was denied.

Messrs. Jeffery, Kimball & Eggleston for the Foamite-Childs Corporation.

Mr. Charles Neave for Pyrene Manufacturing Company.

MORRIS, *J.:*

In this suit in equity, instituted by Foamite-Childs Corporation against Pyrene Manufacturing Company for alleged infringement of Patent No. 858,188 for improvement in hand fire-extinguishing apparatus, a motion for preliminary injunction has been heard upon bill, answer, affidavits and exhibits. The defendant, resisting the motion, contends that the evidence with respect to the title to the patent, validity of the patent or infringement by defendant is not sufficient to warrant the granting of plaintiff's motion and further that the evidence discloses that the granting of an injunction will damage defendant more than it will benefit the plaintiff.

[1, 2] The plaintiff claims title from Laurent, the patentee, under and by virtue of three several assignments. The originals of the first two were not produced. In lieu thereof duly certified copies of the Patent Office record of the alleged assignments were presented. In the absence of statute so providing the record of a private writing is not primary evidence. *Ruggs* v. *Tayloe*, 9 Wheat. 483; *Brooks* v. *Marbury*, 11 Wheat. 78, 82; *Griffin et ux.* v. *Reynolds*, 17 How. 609; *Longworth* v. *Close*, Fed. Cas. 8489. It is, of course, self evident that a certified copy of the record is not evidence of a higher grade than the record itself. Revised Statutes section 4898, as amended by act of March 3, 1897 (Comp. Stat. 1916, par. 9444) and Revised Statutes section 892 (Comp. Stat. 1916, par. 1505), the only statutes in any wise pertaining thereto, do not make the record of assignments of patents evidence of a primary character. *Johnston* v. *Southern Well Works Co.*, 208 Fed. 145, C. C. A. 5; *Eastern Dynamite Co.* v. *Keystone Powder Mfg. Co.*, 164 Fed. 47; *American Graphophone Co.* v. *Leeds and Catlin Co.*, 140 Fed. 981; *National Cash Register Co.* v. *Navy Cash-Register Co.*, 99 Fed. 89; *Mayor, etc., of City of New York* v. *American Cable Ry. Co.*, 60 Fed. 1016, C. C. A. 2; 67 O. G. 1334; *Paine* v. *Trask*, 56 Fed. 233, C. C. A. 1, and see *Griffin et ux.* v. *Reynolds*, 17 How. 609, 611. I have examined the cases of a contrary tenor of which the best considered, probably, is *Standard Elevator Co.* v. *Crane*, 76 Fed. 767, 789; 77 O. G. 811, but they are not convincing and I cannot follow them.

[3, 4, 5] A duly-authorized public record of a private document, not made primary evidence by statute, is, however, in that it is presumed to be a true and correct copy of the original, admissible as secondary evidence upon proper foundation being laid. It is a general rule of law that before a copy of a document may be admitted not only must the destruction, loss or unavailability for other reasons of the original be first proved but the execution of the original must also be established in the same manner as if the original were produced. *Shrowders* v. *Harper*, 1 Harr., Del. 444, 22 C. J. 1042. This rule is applicable to the record of an assignment of a patent and to a certified copy of such record. *Mayor, etc., of City of New York* v. *American Cable Ry. Co.*, 60 Fed. 1016, C. C. A. 2. Three years after the decision of that case Congress, in apparent acquiescence in the principle there enunciated, passed an act providing:

> If any such assignment, grant, or conveyance of any patent shall be acknowledged before any notary public of the several States or Territories or the District of Columbia, or any commissioner of the United States circuit court, or before any secretary of legation or consular officer authorized to administer oaths or perform notarial acts under section seventeen hundred and fifty of the Revised Statutes, the certificate of such acknowledgement, under the hand and official seal of such notary or other officer, shall be prima facie evidence of the execution of such assignment, grant or conveyance. 29 Stat. 692, S. 391, par. 5 (Comp. Stat. 1916, par. 9444).

Obviously it cannot now be held that the certificate of acknowledgement of an assignment of a patent is prima facie evidence of the execution of such assignment unless the assignment is acknowledged before one of the officers specified by the statute. It is equally obvious, I think, that a copy of the original cannot be stronger evidence of the execution of an assignment than is the original.

As none of the three assignments upon which plaintiff's claim of title rests was acknowledged before one of the statutory officers and as the execution of two of those assignments has not been made to appear aliunde there is before me no evidence of plaintiff's title. I am, therefore, constrained to conclude, without considering the remaining questions presented, that the motion for a preliminary injunction must be denied.

ADJUDICATED PATENTS.

(C. C. A. Ill.) The White patent, No. 1,180,810, for metallic box, *Held* valid and infringed. *Safe-Cabinet Co.* v. *Globe-Wernicke Co.*, 293 Fed. Rep. 568.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

837,017, C. A. Von Welsbach, Pysophoric alloy, suit filed Mar. 3, 1923, D. C., S. D. N. Y., Doc. E 26/156, *A. Harris et al.* v. *S. Alexander.* Final consent decree in favor of plaintiff, sustaining patent, adjudging infringement, filed Dec. 13, 1923.

882,517, Dwight & Lloyd, Process of treating ores; 1,020,345, same, Metalliferous ore products; Re. 13,758, F. D. Weeks, Calcining, desulfurizing, agglomerating, and sintering ores and like material; 1,102,982, A. S. Dwight, Apparatus for roasting and sintering ores; 1,254,316, same, Process of treating ores; 1,433,349, same, Process of and apparatus for treating ores to sinter them; 1,433,350, same, Ore desulfurizing and sintering apparatus; 1,433,351, same, Process of treating ores to sinter them; 1,433,352, same, Apparatus for treating ores to sinter them, consent order dismissing bill of complaint as to defendant, Witherbee, Sherman & Co., Inc., for want of jurisdiction. Filed Dec. 13, 1923, D. C., S. D. N. Y., *Dwight & Lloyd Sintering Co.* v. *J. E. Greenawalt and Witherbee, Sherman & Co., Inc.*

942,700, L. H. Baekeland, Condensation products of phenol and formaldehyde and method of making same; 942,809, same, Condensation product and method of making same, suit filed May 25, 1923, D. C., S. D. N. Y., Doc. E 26/360, *Bakelite Corp.* v. *D. A. Schulte, Inc.* Final consent decree sustaining patents, adjudging infringement, and granting injunction, filed Dec. 21, 1922.

942,809. (See 942,700.)

958,478, W. E. Davey, Process of reenforcing trees, consent decree entered, permanent injunction granted, Dec. 1, 1923, D. C. Minn., *The Davey Tree Expert Co.* v. *G. Shoicholm (Sjoholm) et al.* Same, final consent decree for plaintiff, injunction issued Nov. 23, 1923, D. C. Mass., *The Davey Tree Expert Co.* v. *L. H. Koomy.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps, suits filed Dec. 13, 1923, D. C., S. D. N. Y., Doc. E 28/182, *General Electric Co.* v. *The Dabarton Corp. et al.* (*General Merchandise Co.*). Same, Doc. E 28/183, *General Electric Co.* v. *Weiss & Biheller, Inc.*

1,018,502, Just & Hanaman, Incandescent bodies for electric lamps; 1,180,159, I. Langmuir, Incan-

descent electric lamps, suit filed May 4, 1922, D. C., S. D. N. Y., Doc. E 23/366, *General Electric Co.* v. *P. R. Mallory & Co., Inc.* Interlocutory decree in favor of plaintiff, sustaining patents, adjudging infringement, granting injunction. Injunction suspended upon condition that defendants filed appeal papers and bond within 10 days, filed Dec. 28, 1923.

1,020,345. (See 882,517.)

1,060,190. Des. 43,459, Kellner & Worms, Knitted neckties, suit filed Dec. 19, 1923, D. C., S. D. N. Y., Doc. E 28/189, *Franklin Knitting Mills, Inc.*, v. *Chain Shirt Shops, Inc.*

1,092,540. L. E. Robinson, Dry-hole plugs for wells, suit filed Dec. 5, 1923, D. C. Kans. (2d Div.), Doc. E 174-N, *Robinson Packer Co.* v. *Mid-Co. Packer Co., et al.* Decree holding claims 1 to 16, except claim 10, valid and infringed, injunction granted, Dec 6, 1923.

1,102,982. (See 882,517.)

1,105,961, W. M. Burton, Manufacture of gasoline; 1,167,884, same, Petroleum products; 1,119,700, R. E. Humphreys, Method distilling hydrocarbons; 1,343,674, Humphreys & Burton, Distillation of petroleum oils, suit filed Dec. 28, 1923, D. C., E. D. Okla., Doc. E 3099, *Standard Oil Co.* v. *Cosden & Co.*

1,113,149, E. H. Armstrong, Wireless receiving systems, suit filed Nov. 23, 1923, D. C. Mass., Doc. E 1874, *Westinghouse Electric & Mfg. Co.* v. *J. Cataldo et al.* Same, suit filed Dec. 26, 1923, D. C., S. D. N. Y., Doc. E 28/203, *Westinghouse Electric & Mfg. Co.* v. *Chamberlin Electric Co., Inc., et al.* Same, suit filed Dec. 18, 1923, D. C. Conn., Doc. 1690, *Westinghouse Electric & Mfg. Co.* v. *The C. D. Tuska Co.*

1,119,700. (See 1,105,961.)

1,130,741, C. R. Keeran, Lead pencils; 1,279,186, Wahl & Odlum, Clips for pencils and the like, suit filed Oct. 20, 1923, D. C., S. D. N. Y., Doc. E 27/241, *The Wahl Co.* v. *Newmarket Trading Co., Inc.* Final consent decree in favor of plaintiff, sustaining patents, adjudging infringement, and granting injunction, filed Dec. 13, 1923.

1,163,637, L. I. Beckwith, Hammock supports, suit filed Dec. 18, 1923, D. C., S. D. N. Y., Doc. E 28/188, *L. I. Beckwith (Market Forge Co.)* v. *Atlas Hammock Co., Inc.* Same, suit filed Dec. 22, 1923, D. C., N. D. N. Y., Doc. 449, *L. I. Beckwith* v. *Onondaga Bed Mfg. Co.*

1,167,884. (See 1,105,961.)

1,180,159. (See 1,018,502.)

1,186,477, W. M. Grosvenor, Process for drying or hardening coatings, suit filed June 5, 1920, D. C., W. D. N. Y., Doc. 295-B, *Wenborne-Karpen Dryer Co.* v. *Cutler Dry Kiln Co.* Mandate from U. S. circuit court of appeals filed June 20, 1923, reversing decree of district court holding that defendant has infringed.

1,254,316. (See 882,517.)

1,279,186. (See 1,130,741.)

1,343,674. (See 1,105,961.)

1,396,458, F. Ordine, Device for dipping artificial fruit, suit filed Jan. 6, 1922, D. C., S. D. N. Y., Doc. E 23/16, *F. Ordine* v. *G. Ippolito et al.* (*Ippolito Bros.*). Interlocutory decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction, filed Oct. 19, 1923.

1,433,349. (See 882,517.)

1,433,350. (See 882,517.)

1,433,351. (See 882,517.)

1,433,352. (See 882,517.)

Re. 13,758. (See 882,517.)

Des. 43,459. (See 1,060,190.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,359,264, G. Maxon, jr., Road-finishing machine, decided December 28, 1923, claims 11 and 17.

Pat. 1,386,022, H. C. Peters, Adding machine, decided December 20, 1923, claim 1.

Pat. 1,462,520, E. H. Ryon, Spool-bearing bracket for yarn-tube frames, decided December 27, 1923, claims 1, 2, and 3.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Jan. 19, 1924.*

Philip A. Luckett, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Friedman & Friedman, 1368 De Kalb Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered January 9, 1917, No. 114,897, to Philip A. Luckett, Salisbury, Md., and a notice of such declaration sent by registered mail to said Philip A. Luckett at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Philip A. Luckett, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 8, 1924.*

Michael Bellegay, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Michael Bellegay, of 3201 Franklin Building, Chicago, Ill., and an application for patent filed by Michael Bulka, of 1934 North Avenue, Chicago, Ill., and the Office having failed to secure service on said Bellegay, notice is hereby given that unless said Bellegay, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 9, 1924.*

Dudley E. Mackey, his assigns or legal representatives, take notice:

An interference having been declared by this Office between W. Wm. Winberg, Fourth and Linden Streets, Wilmette, Ill., for registration of a trade-mark and trade-mark registered February 5, 1907, No. 60279, to Dudley E. Mackey, 254 East Street, Springfield, Ohio, and a notice of such declaration sent by registered mail to said Dudley E. Mackey at the said address, as well as to State College, Pa., the address given by the attorney of record, having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Dudley E. Mackey, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 5, 1924.

[VOL. 319. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No, 147,227. (CLASS 39. CLOTHING.) CHARLES H. BROWN, New York, N. Y. Filed May 5, 1921.



No claim is made to the use of the word "Shoe" apart from the mark as shown in the drawing.

Particular description of goods.—Leather, Canvas, and Fabric Shoes.

Claims use since Jan. 1, 1920.

Ser. No. 154,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK BRIGGS, Washington, D. C. Filed Oct. 29, 1921.

HONEY KIST

Particular description of goods.—Fruits—Namely, Fresh Grapefruit, Oranges, and Lemons; Meats—Namely, Chipped Beef, Pork, Spare Ribs, Hams, Sliced Ham, Shoulders, Bacon, Sausage, Scrapple, Smoked Scrapple, Corned Beef, Beef, Lard, Veal, Liver, Tongue, Souse, Headcheese, Mincemeat; and Cooked Meats—Namely, Cooked Beef, Pork of Any Kind; and Meat Products—Namely, Beef, Hog Meat, and Lamb, Either Preserved, Salted, or Corned and Put Up or Manufactured in Cans or Other Containers.

Claims use since Jan. 1, 1919.

Ser. No. 157,662. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FEDERAL RUBBER COMPANY OF ILLINOIS, Chicago, Ill., and Cudahy, Wis. Filed Jan. 9, 1922.

TRAFFIK

Particular description of goods.—Belting, and Tires and Casings Made Wholly or Partly of Rubber.

Claims use since May 11, 1916.

Ser. No. 161,487. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANGELO GRILLI, Milwaukee, Wis. Filed Mar. 30, 1922.



No claim is made to the exclusive use of the representation of a tire protector or of the words "Trade Mark" apart from the mark shown.

Particular description of goods.—Metallic Tire Protectors for Protecting Tires Against Punctures and Other Wear and Tear.

Claims use since Mar. 20, 1922.

Ser. No. 162,977. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIESELSKABET DE DANSKE SPRITFABRIKKER, doing business as Dansk Gaer-Central, Copenhagen, Denmark. Filed Apr. 27, 1922.



Particular description of goods.—Lees and Fresh Yeast Used for Food Purposes.

Claims use since 1885.

Ser. No. 163,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE A. H. LEWIS MEDICINE COMPANY, St. Louis, Mo. Filed May 15, 1922.

Nature's Remedy
NR-TABLETS-NR

No claim is made in this application to the exclusive right to the use of either the word "Remedy" or the word "Tablets" apart from the mark as shown.

Particular description of goods.—Liver Regulator and Blood Purifier.

Claims use since May, 1891.

Ser. No. 165,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. HILL COMPANY, Nashville, Tenn. Filed June 10, 1922.

"As you like it!"

Particular description of goods.—Tea and Coffee.
Claims use since May 7, 1922.

Ser. No. 165,353. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HERBERT M. CAMPBELL, Chicago, Ill. Filed June 12, 1922.

SUPER-FRICTION

Particular description of goods.—Leather Machinery Belts.
Claims use since May 1, 1922.

Ser. No. 166,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEALTH-O COMPANY, Dover, Del., and Johnstown, Pa. Filed June 30, 1922.

WHOLESOME HEALTH-O NOURISHING

No claim is made to the words "Health-O," "Nourishing," and "Wholesome" apart from the mark shown.
Particular description of goods.—Coffee Substitute.
Claims use since Mar. 1, 1922.

Ser. No. 168,304. (CLASS 37. PAPER AND STATIONERY.) HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass. Filed Aug. 16, 1922.

SOCIETY FABRIC

No claim is made to the word "Fabric" apart from the mark shown.
Particular description of goods.—Printing and Writing Paper.
Claims use since July 22, 1916.

Ser. No. 168,433. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING L. SCHAFRAN, doing business as Boutay Co., New York, N. Y. Filed Aug. 18, 1922.

BOUTAY'S

Particular description of goods.—Perfumes.
Claims use since May 23, 1922.

Ser. No. 168,574. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CONSTANT HEAT PACK CORPORATION, Albany, N. Y. Filed Aug. 22, 1922.

RADIO PACK

Particular description of goods.—Heating Appliance Comprising a Container Somewhat Analogous to a Hot-Water Bottle in Its Nature and Containing Ingredients Adapted to Generate Heat by Chemical Reaction, and Recharges for Such Appliance.
Claims use since about May 15, 1922.

Ser. No. 168,859. (CLASS 37. PAPER AND STATIONERY.) SOUTHERN WOODEN WARE CO., Nashville, Tenn. Filed Aug. 29, 1922.



OLD HICKORY

Particular description of goods.—Paper Tablets.
Claims use since July 13, 1922.

Ser. No. 168,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOSEPH W. WOODS & SONS CO., Boston, Mass. Filed Sept. 1, 1922. Under ten-year proviso.

GLENWOOD

Particular description of goods.—Ticking.
Claims use since Jan. 1, 1887.

Ser. No. 169,403. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BENJAMIN KAPLAN, doing business as Tremont Plumbers' Supplies, New York, N. Y. Filed Sept. 13, 1922.



The lining expressing the colors red and gold.
Particular description of goods.—Bathtubs, Water-Closets, Sinks, Metal Valves, Metal Pipes, and Metal Pipe Fittings.
Claims use since Sept. 1, 1922.

Ser. No. 170,481. (CLASS 39. CLOTHING.) GLENS FALLS SHIRT COMPANY, South Glens Falls, N. Y. Filed Oct. 9, 1922.

KNICKERBOCKER

Particular description of goods.—Men's Outer Shirts of All Descriptions.
Claims use since about Sept. 15, 1921.

Ser. No. 170,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEATTLE FLOUR MILLS, Seattle, Wash. Filed Oct. 20, 1922.

KI LIN



記為麟麒

No claim is made to the Chinese characters apart from the mark shown in the drawing. The lines on the drawing are for shading purposes only; those on the words "Kilin" and the Chinese characters, red. A translation of the Chinese characters reads as follows: "Kilin Brand."
Particular description of goods.—Wheat Flour.
Claims use since 1910.

Ser. No. 171,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. W. CRAWFORD, doing business as Fort Dodge Chemical Co., Fort Dodge, Iowa. Filed Oct. 23, 1922.



All matter appearing on the drawing, with the exception of the representation of a hand holding a gopher, being hereby disclaimed apart from the mark as shown.
Particular description of goods.—Chemical Preparation in Tablet Form Used for the Destruction of Noxious Rodents.
Claims use since Oct. 20, 1903.

Ser. No. 171,364. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 30, 1922.



No right to the words "Lard Purifier" is claimed apart foom the mark shown.
Particular description of goods.—Chemical Preparation for Purifying and Treating Lard and Tallow.
Claims use since 1912.

Ser. No. 171,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & CO., Ottumwa, Iowa. Filed Nov. 4, 1922.

PRIDE

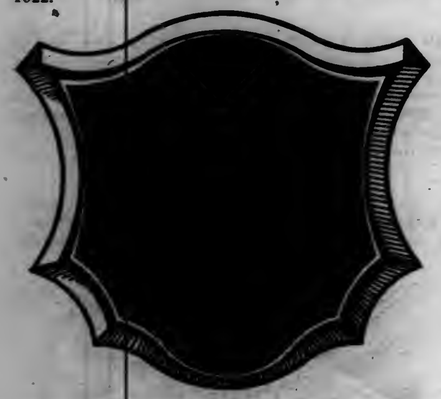
Particular description of goods.—Packing-House Products—Namely, Bacon, Ham, and Lard.
Claims use since August, 1880.

Ser. No. 171,836. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FEDERAL UNDERWEAR CO., New York, N. Y. Filed Nov. 11, 1922.

Lucky Baby

Particular description of goods.—Baby-Carriage Covers and Pillowcases Made of Textiles.
Claims use since about Sept. 15, 1922.

Ser. No. 172,495. (CLASS 39. CLOTHING.) STANDARD FELT COMPANY, West Alhambra, Calif. Filed Nov. 24, 1922.



Particular description of goods.—Shoes, Boots, and Slippers Made of Felts, Satins, Leathers, Brocades, and Silks.
Claims use since Mar. 1, 1919.

Ser. No. 172,800. (CLASS 39. CLOTHING.) I. & R. MORLEY, London, England. Filed Dec. 1, 1922.



No claim is made to the exclusive use of the words "India Gauze, English Make" apart from the mark shown in the drawing.
Particular description of goods.—Ladies', Men's, and Children's Underwear of Knitted or Netted Textile Fabrics.
Claims use since Sept. 28, 1922.

Ser. No. 172,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED WHOLESALE GROCERY CO., Philadelphia, Pa. Filed Dec. 2, 1922.

ARKS RUN

Particular description of goods.—Candy, Canned Tomatoes, Canned Corn, Canned Peas, Canned String Beans, Canned Baked Beans, Canned Beets, Canned Lima Beans, Canned Asparagus, Canned Spinach, Canned Apricots, Canned Peaches, Canned Pears, Canned Pineapple, Canned Cherries, Salmon; Pickles, Mustard, Catchup, Salad Dressing, Horse-Radish, Fruit Preserves, Jelly, Jam, Peanut Butter, Olives, Flavoring Extracts for Foods, Salad Oil, Mayonnaise, Table Condiments, and Marmalade, and Cornstarch.
Claims use since Apr. 20, 1920.

Ser. No. 173,071. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWIN POTTER CARPENTER, London, England. Filed Dec. 8, 1922.

CASOID

Particular description of goods.—Partly-Prepared Solid Substance Manufactured from Casein, Sold in Sheets, Blocks, Slabs, and Similar Forms, Used for Knife Handles, Combs, Hand Mirrors, and Other Purposes.
Claims use since May 13, 1919.

Ser. No. 173,150. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) STONEVILLE PEDIGREED SEED COMPANY, Stoneville, Miss. Filed Dec. 9, 1922.



Applicant hereby disclaims exclusive use of the words "Pedigreed, Prepotent, Productive Seeds" apart from the other features of the mark, reserving, however, all common-law rights therein.
Particular description of goods.—Cottonseed, Oat Seed, Seed Corn, and Other Agricultural Seeds.
Claims use since Oct. 1, 1922.

Ser. No. 173,272. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Dec. 13, 1922.

PLASTICO

Particular description of goods.—Composition-Roofing Sheets.
Claims use since about 1915.

Ser. No. 173,274. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Dec. 13, 1922.

TOMAHAWK

Particular description of goods.—Composition Roofing and Shingles.
Claims use since about 1916.

Ser. No. 173,344. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Dec. 15, 1922.

WALKOVER

Particular description of goods.—Composition-Roofing Sheets.
Claims use since about 1914.

Ser. No. 174,076. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ENERGINE REFINING AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 2, 1923.

ENERGINE

Particular description of goods.—Liquid Hydrocarbons Employed for Medicinal Purposes and in the Industrial Arts.
Claims use since Feb. 3, 1903.

Ser. No. 174,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINYUNET CORPORATION, New York, N. Y. Filed Jan. 2, 1923.



Particular description of goods.—Cosmetic Preparations—Namely, Perfume, Face Mud, Face Cream, and Hair Remover.
Claims use since Dec. 20, 1922.

Ser. No. 174,282. (CLASS 39. CLOTHING.) AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed Jan. 8, 1923.

BAND-O

No claim is made to the exclusive right to the use of the word "Union" apart from the mark shown in the drawing.
Particular description of goods.—One-Piece Knitted Underwear Comprising Ladies' Union Suits, Ladies' Vests and Bathing Suits.
Claims use since Dec. 22, 1922.

Ser. No. 176,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HESS BROS., New York, N. Y. Filed Feb. 17, 1923.

HOSTESS

Particular description of goods.—Salted, Smoked, Preserved, and Marinated Fish, and Fish Products—Namely, Sardel Rings, Sardels, and Anchovies; and Pâté de Foie Gras, and Raspberry Sirup.
Claims use since Jan. 4, 1923.

Ser. No. 176,442. (CLASS 39. CLOTHING.) BEST & CO. INC., New York, N. Y. Filed Feb. 23, 1923.

NADA

Particular description of goods.—Misses' and Girls' Furnishings, Undergarments, and Clothing—Namely, Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Golf Suits, Riding Suits, Negligees, Skirts, Nightgowns, Petticoats, Gloves, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Sport Coats, Hats, Caps, and Coats Made Out of Textile Material; and Dresses, Corsets, Tailored Suits, Walking Suits, Sport Suits, Negligees, Golf Suits, Riding Suits, Skirts, Nightgowns, Petticoats, Gloves, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made Out of Knitted Material; and Misses' and Girls' Shoes, Boots, Slippers, Gloves, Leggings, Putties Made Out of Leather, Rubber, Canvas, Buckskin, or Linen or Composition of Similar Materials.
Claims use since Feb. 13, 1923.

Ser. No. 176,584. (CLASS 39. CLOTHING.) VANITY FAIR SILK MILLS, Reading, Pa. Filed Feb. 24, 1923.

Vanity Fair

Particular description of goods.—Bandeaux, Bloomers, Brasichemise, Brassières, Brasivests, Camisoles, Chemise, Corset Covers, Costume Slips, Drawers, Knickers, Lingerie, Nightgowns, Petticoats, Pettiskirts, Princess Slips, Step-In Drawers; Union Suits of Knitted Fabric for Men, Women, and Children; Vanities, Vests, Bathing Suits, Coats; Gloves of Leather, Rubber, and Fabric; Hosiery, Sweaters, Pettibockers, Dressing Gowns.
Claims use since Oct. 9, 1916.

Ser. No. 176,711. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOAQUIN RAMOS DE ANAYA Jr., New York, N. Y. Filed Feb. 28, 1923.



No claim is made to the words "Waters for Baldness" apart from the mark shown on the drawing.

Particular description of goods.—Liquid Preparation for Scalp Treatment.

Claims use since Feb. 1, 1923.

Ser. No. 177,175. (CLASS 39. CLOTHING.) FELDSTEIN BROS. & Co., New York, N. Y. Filed Mar. 9, 1923.



The name as it appears on the drawing is the facsimile signature of one Wesley Barry.

Particular description of goods.—Men's and Boys' Caps.

Claims use since about Jan. 1, 1923.

Ser. No. 177,332. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MORRIS STEINBERG, doing business as The Armstrong Tire Company, Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—Tires and Tubes Composed of Rubber and Fabric and Pneumatic Rubber.

Claims use since Jan. 1, 1922.

Ser. No. 178,255. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. L. JOHNSON & Co., INC., doing business as Johnson's, Knoxville, Tenn. Filed Mar. 29, 1923.



No claim made to the word "Assortment" apart from the mark as shown. The mark consists of two comparatively narrow gold bands inclosing the words "Gold Assortment" arranged near the ends of the label or wrappers.

Particular description of goods.—Candy.

Claims use since Jan. 1, 1921.

Ser. No. 178,295. (CLASS 39. CLOTHING.) THE STANDARD KNITTING CO., INC., Cleveland, Ohio. Filed Mar. 29, 1923.



The words "Quality Knit Guaranteed" and "Cleveland, Ohio" are disclaimed apart from the trade-mark shown.

Particular description of goods.—Knitted Outer Garments, Comprising Shakers, Silk Coats, Wool Coats, Slip-Overs, Scarfs, Men's Sweaters, Women's Sweaters, Boys' Sweaters, Bathing Suits, and Golf Coats, Leggings, Jackets, and Combined Leggings and Jackets for Boys, Girls, and Infants, Jerseys, Petticoats, and Knitted Hats and Caps for Men, Women, and Children.

Claims use since about Nov. 16, 1908.

Ser. No. 178,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO., INC., New Orleans, La. Filed Apr. 4, 1923.



SUN-MAID

Particular description of goods.—Confections Having Raisin Centers.

Claims use since July 1, 1916.

Ser. No. 178,607. (CLASS 5. ADHESIVES.) JOHN J. HARRIS, doing business as John J. Harris & Co., Chicago, Ill. Filed Apr. 5, 1923.



The lines in which are to be considered as for shading only. No claim is made to the color blue.

Particular description of goods.—Library Paste, Photo Paste, Label Paste, Tin and Nickel Label Paste, and Vegetable Glues.

Claims use since Jan. 27, 1923.

Ser. No. 179,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH ONTARIO PACKING COMPANY, Los Angeles, Calif. Filed Apr. 21, 1923.

OLD MISSION



Particular description of goods.—Orange Marmalade, Jams, and Jellies.

Claims use since Mar. 1, 1923.

Ser. No. 179,617. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAH-JONGG SALES COMPANY OF AMERICA, San Francisco, Calif. Filed Apr. 24, 1923.

Mah-Jongg

The mark consists of the word "Mah-Jongg."

Particular description of goods.—Textile Table Covers.

Claims use since March, 1923.

Ser. No. 179,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAN HOK SOEIJ, Batavia, Java, and San Francisco, Calif. Filed Apr. 24, 1923.

A-KAR-BA-HAR

Particular description of goods.—A Rheumatism Preventive Produced from the Root of a Certain Tree and to be Worn upon the Person as a Limb-Encircling Member and Alleged to Contain Medicinal Properties.

Claims use since Apr. 9, 1923.

Ser. No. 179,998. (CLASS 38. PRINTS AND PUBLICATIONS.) FISHING GAZETTE PUBLISHING CO., New York, N. Y. Filed May 1, 1923.

THE FISHERMEN'S OWN BOOK

Particular description of goods.—Yearly Publication.

Claims use since April, 1923.

Ser. No. 180,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIOLA GREEN FRUIT EXCHANGE, Biola, Calif. Filed May 12, 1923.

SUN GARDEN

Particular description of goods.—Fresh Deciduous Fruits and Grapes.

Claims use since July 24, 1919.

Ser. No. 180,927. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FUJIMOTO CO., San Francisco, Calif. Filed May 21, 1923.



The character translated into English means "Honesty" or "Truth," and the symbol embracing the top and right-hand sides of the character is indicative of a conventional carpenter's square.

Particular description of goods.—Miso (a Japanese Bean Paste), Koji (a Yeastlike Substance Prepared from Rice Inoculated with the Spores of a Mold), Shoyu, (a Sauce from Fermented Wheat and Beans), and Rice Vinegar.

Claims use since March, 1917.

Ser. No. 181,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES F. MATTLAGE & SONS, INC., New York, N. Y. Filed May 23, 1923.

ROYALL'S



The signature is a facsimile of the signature of William L. Royall, president of Cliwill Food Products Co. Inc.

Particular description of goods.—French Salad Dressing.

Claims use since March, 1923.

Ser. No. 181,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY CO., Cleveland, Ohio. Filed May 26, 1923.

SWEET LOVER

Particular description of goods.—Candy.

Claims use since Aug. 15, 1921.

Ser. No. 181,633. (CLASS 31. FILTERS AND REFRIGERATORS.) THE CELITE CO., Los Angeles, Calif. Filed June 7, 1923.

FILT-X-CEL

Particular description of goods.—Finely-Divided Solid Material Having Selective Adsorptive Properties to be Used in Aiding Filtration and in Deemulsification of Liquids.

Claims use since Apr. 27, 1922.

Ser. No. 181,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIELSEN PACKING CO., San Francisco, Calif. Filed June 11, 1923.

GODETIA

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since Jan. 9, 1923.

Ser. No. 181,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIELSEN PACKING CO., San Francisco, Calif. Filed June 11, 1923.

N.P.C.

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since Jan. 9, 1923.

Ser. No. 181,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEYE SEAFOODS, INC., New York, N. Y. Filed June 14, 1923.



No claim made to the use of the word "Products" apart from the mark as shown.

Particular description of goods.—Fresh Fish Which is Cleaned, Dressed, and Filleted, Pan-Dressed, or Cut into Steaks, Wrapped, and Put Up in Packages or Boxes in the Raw State; Also Shellfish—Namely, Crabs and Crab Meat, Lobsters and Lobster Meat, Similarly Dressed, Wrapped, and Boxed, Also in the Raw State.

Claims use since Dec. 20, 1922.

Ser. No. 182,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STANDARD REMEDY COMPANY, Baltimore, Md. Filed June 19, 1923.



Exclusive right to the word "Tablet" forming part of said trade-mark is hereby disclaimed. The mark is colored brown in accordance with the conventional lining as shown.

Particular description of goods.—Tablets for Rheumatism and Disorders of the Liver, Stomach, and Intestinal Tract.

Claims use since June 1, 1923.

Ser. No. 182,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. WELLINGTON DIETRICH, doing business as Atlantic Seaboard Flour Mills, Philadelphia, Pa. Filed June 21, 1923.

SIR WALTER

Particular description of goods.—Wheat Flour.

Claims use since January, 1920.

Ser. No. 182,523. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) STANLEY & STANLEY, INC., New York, N. Y. Filed June 27, 1923



Particular description of goods.—Fine-Leather Cigar Holders and Cigarette Cases.

Claims use since about Apr. 20, 1923.

Ser. No. 182,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed June 29, 1923.



The exclusive use of all the wording, with the exception of the words "Maizena," "Duryea," and "Corn Products Refining Co.," being disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Corn Flour.

Claims use since Jan. 2, 1919.

Ser. No. 183,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERTO VALES COMPANY, New Orleans, La. Filed July 10, 1923.

La Marquesa

Particular description of goods.—Lard.

Claims use since Feb. 9, 1923.

Ser. No. 183,114. (CLASS 32. FURNITURE AND UPHOLSTERY.) HOUSEHOLD EFFICIENCY BUREAU, River Forest, Ill. Filed July 12, 1923.

KIDDY CAGE

No claim is made to the exclusive use of the word "Cage" apart from the mark shown in the drawing.

Particular description of goods.—Child's Retaining Frame in the Form of a Pen or Cage.

Claims use since June 18, 1923.

Ser. No. 183,206. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed July 16, 1923.

PEACH

Particular description of goods.—Children's Shoes of Leather.

Claims use since 1899.

Ser. No. 183,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. F. WORDEN & SONS, INC., Waterbury, Conn. Filed July 20, 1923.



Particular description of goods.—Dairy Products—Namely, Butter and Ice Cream.

Claims use since June 15, 1923.

Ser. No. 183,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSE FRANQUIZ, doing business as Jose Franquiz & Co., and also as Florida-Cuba Preserving Co., Tampa, Fla. Filed July 21, 1923.

LA PASTORA

Particular description of goods.—Guava Paste, Guava Jelly, and Tomato Purée.
Claims use since Apr. 3, 1923.

Ser. No. 183,615. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WEST VIRGINIAN, INCORPORATED, Fairmont, W. Va. Filed July 23, 1923.

The West Virginian

The words "More Than a Newspaper—A Progressive Force in the Community" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Newspaper.
Claims use since Feb. 9, 1920.

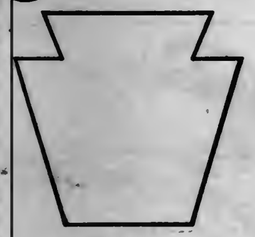
Ser. No. 184,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Aug. 3, 1923.

Dentaluxe

Particular description of goods.—Tooth Paste.
Claims use since Jan. 1, 1916.

Ser. No. 184,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KEYSTONE COMPANY OF SAN JOSE, also doing business as Keystone Company, San Jose, Calif. Filed Aug. 4, 1923.

KEYSTONE



Particular description of goods.—Canned Shrimp, Canned Fruits, Canned Vegetables, Coffee, Tea, and Spices, Catchup, Vinegar, Salad Oil, Olive Oil, Rice.
Claims use since 1905.

Ser. No. 184,177. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O SAN COMPANY, St. Louis, Mo. Filed Aug. 7, 1923.

O-SAN

Particular description of goods.—Household Remedies—Namely, Cough Sirups, Bronchial Lozenges, Liver Pills, Catarrhal Balm, Cold Tablets, Corn Remover, Liniments, Eyewater, Worm Sirups, Throat Gargle, Medicine for Rheumatism, Analgesic Ointment, Liver Tonic, Kidney Tonic, Headache Wafers, Foot Relief, Chill Tonic, Parasite Exterminator, Tooth Wax, and Toothache Drops.
Claims use since Oct. 15, 1917.

Ser. No. 184,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O-SAN COMPANY, St. Louis, Mo. Filed Aug. 7, 1923.

LADY-GRACE

Particular description of goods.—Toilet Preparations—Namely, Cold Cream, Peroxide Cream, Rouge, Dentifrice, Face Cream, Pomades, Perfumes, Toilet Waters, and Hair Tonics.
Claims use since Oct. 15, 1917.

Ser. No. 184,207. (CLASS 39. CLOTHING.) LOWENGART & COMPANY, Portland, Oreg. Filed Aug. 8, 1923.



The picture shown on the drawing is merely fanciful.
Particular description of goods.—Ladies' Hats.
Claims use since about March, 1921.

Ser. No. 184,256. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OBDAHOLTZER PACKING COMPANY, Yalaha, Fla. Filed Aug. 9, 1923.



Particular description of goods.—Oranges in Their Natural State.
Claims use since Oct. 15, 1922.

Ser. No. 184,289. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) OX FIBRE BRUSH COMPANY, New York, N. Y., and Frederick, Md. Filed Aug. 10, 1923.



Particular description of goods.—Brushes for Scrubbing, Dusting, Sweeping, and Cleaning, Including Household Brushes, Horse Brushes, Hair Brushes, and Hand and Nail Brushes, and Brooms.
Claims use since about Jan. 1, 1900.

Ser. No. 184,290. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) OX FIBRE BRUSH COMPANY, New York, N. Y., and Frederick, Md. Filed Aug. 10, 1923.

OX FIBRE

No claim is made to the word "Fibre" apart from the mark shown in the drawing and apart from the common-law rights of applicant.
Particular description of goods.—Brushes for Scrubbing, Dusting, Sweeping, and Cleaning, Including Household Brushes, Horse Brushes, Hair Brushes, and Hand and Nail Brushes.
Claims use since about Feb. 1, 1896.

Ser. No. 184,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed Aug. 11, 1923.



Particular description of goods.—Flavoring for Bakers and Household Use in Cakes, Candy, Ice Cream, Puddings, and Other Food Products.
Claims use since May 12, 1923.

Ser. No. 184,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOS. L. CUMMINGS, doing business as Fu-Drops, Houston, Tex. Filed Aug. 13, 1923.

FU-DROPS

Particular description of goods.—Medicine for the Treatment of Kidneys, Bladders, and Rheumatism, Put Up in Liquid Form.
Claims use since Feb. 1, 1923.

Ser. No. 184,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALDEMAR CHRISTENSEN, doing business as Ohio Food & Dairy Laboratory, Cincinnati, Ohio. Filed Aug. 14, 1923.

PHILO-LAC

Particular description of goods.—Milk and Milk Cultures.
Claims use since Aug. 8, 1923.

Ser. No. 184,530. (CLASS 39. CLOTHING.) A. W. TEDCASTLE & CO., Boston, Mass. Filed Aug. 15, 1923.

Jane Lou

Particular description of goods.—Shoes Made of Leather and Textile Material.
Claims use since May 1, 1923.

Ser. No. 184,603. (CLASS 39. CLOTHING.) DE LUCA BROS. HAT CO., INC., Philadelphia, Pa. Filed Aug. 17, 1923.



The use of the word "Philadelphia" in the trade-mark is disclaimed.

Particular description of goods.—Hats for Men and Boys.

Claims use since 1910.

Ser. No. 184,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST FRUIT PRODUCTS CO., Salem, Oreg. Filed Aug. 18, 1923.



Particular description of goods.—Canned Fruits.

Claims use since Feb. 5, 1923.

Ser. No. 184,781. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MYRON W. SERBY, doing business as Brush-Nu Co., Washington, D. C. Filed Aug. 20, 1923.



Particular description of goods.—Chemical Preparation for Cleaning Hard Old Paint Brushes.

Claims use since Aug. 1, 1920.

Ser. No. 184,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. J. HARRISON COMPANY, LTD., New Orleans, La., assignor to W. J. Harrison Rice Co., New Orleans, La., a Corporation of Louisiana. Filed Aug. 24, 1923.



Particular description of goods.—Cereal Breakfast Food Made from Rice.

Claims use since May, 1923.

Ser. No. 185,008. (CLASS 39. CLOTHING.) DURA-TEX COMPANY, INC., Brockton, Mass. Filed Aug. 27, 1923.

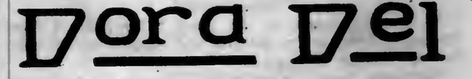


The lining on the drawing is for the purpose of shading only.

Particular description of goods.—Moccasins for Men, Women, and Children.

Claims use since January, 1922.

Ser. No. 185,076. (CLASS 39. CLOTHING.) DORA-DEL GARMENT COMPANY, Waxahachie, Tex. Filed Aug. 28, 1923.



Particular description of goods.—Women's Underwear.

Claims use since about Aug. 1, 1923.

Ser. No. 185,175. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CASEBOURNE & FANTHORPE, Grimsby, England. Filed Aug. 30, 1923.



No claim is made to the exclusive use of the word "Weldum" apart from the mark shown in the drawing.

Particular description of goods.—Flux for Brazing and Welding Iron.

Claims use since July 1, 1920.

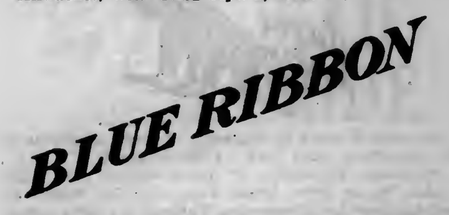
Ser. No. 185,221. (CLASS 39. CLOTHING.) IDEAL BABY SHOE CO., Chicago, Ill. Filed Aug. 31, 1923.



Particular description of goods.—Children's Shoes, Boots, Slippers, and Sandals Made of Cloth and Leather.

Claims use since Aug. 1, 1923.

Ser. No. 185,262. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PABST CORPORATION, Milwaukee, Wis. Filed Sept. 1, 1923.



Particular description of goods.—Near Beer, Malt Cereal Beverages, and Malt Extracts.

Claims use since January, 1898.

Ser. No. 185,353. (CLASS 39. CLOTHING.) ZIMMERMANN & SIGNAL, Los Angeles, Calif. Filed Sept. 5, 1923.



Particular description of goods.—Hosiery.

Claims use since May 6, 1923.

Ser. No. 185,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Sept. 7, 1923.



Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Skin and Hair, and Bath Salts.

Claims use since Aug. 28, 1923.

Ser. No. 185,631. (CLASS 39. CLOTHING.) THE STRAITOE COMPANY, INC., New York, N. Y. Filed Sept. 10, 1923.



Particular description of goods.—Leather Shoes.

Claims use since May 1, 1923.

Ser. No. 185,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMETITE CHEMICAL CORPORATION, New York, N. Y. Filed Sept. 12, 1923.



Particular description of goods.—Chemical Compound for Impregnating or Coating Paper, Fabrics, and Analogous Materials to Render the Same Moisture and Air Proof.

Claims use since Apr. 1, 1923.

Ser. No. 185,763. (CLASS 39. CLOTHING.) GLENWOOD MANUFACTURING CO., Raleigh, N. C. Filed Sept. 13, 1923.



THE DANIEL BOONE

Particular description of goods.—Cotton and Woolen Work Shirts.
Claims use since April, 1923.

Ser. No. 185,764. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN POWELL & CO. INC., New York, N. Y. Filed Sept. 13, 1923.

INSECT POWCO BRAND POWDER

All the wording appearing on the drawing, with the exception of the word "Powco," is disclaimed.
Particular description of goods.—Insect Powder.
Claims use since July 1, 1923.

Ser. No. 185,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MADAM SALLIE L. WASHINGTON, Pittsburgh, Pa. Filed Sept. 13, 1923.

SUPREME



The portrait shown upon the drawing is that of "Sallie Washington."
Particular description of goods.—Hair Shampoos, Hair Preparations, and Balms, Oils, Ointments, and Salves for the Face and Skin.
Claims use since Jan. 1, 1921.

Ser. No. 185,807. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN C. WITTE'S SONS, New York, N. Y. Filed Sept. 14, 1923.

GOLDENROD

Particular description of goods.—Liquid Compound for Killing Insects, Ammonia, Disinfectants, and Peroxide.
Claims use since January, 1919.

Ser. No. 185,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE CRABTREE, doing business as The Carbo Company, Peoria, Ill. Filed Sept. 17, 1923.

CARBO



Particular description of goods.—A Medical Composition for the Treatment of Leucorrhea.
Claims use since Jan. 1, 1923.

Ser. No. 185,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL DRUG STORE, LTD., Shenandoah, Pa. Filed Sept. 19, 1923.



No claim is made to the word "Balsam" appearing in the trade-mark other than its use as shown.
Particular description of goods.—Salves for Cuts, Bruises, Burns, Boils, Ulcers, Piles, and Skin Eruptions, and Liniment for Rheumatism, Pains in the Sides, Chest, or Back, Stiff Neck, Sore Throat, Inflammation, Headache, Coughs, and Colds.
Claims use since January, 1902.

Ser. No. 185,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE E. SIMPKINS, doing business as E. L. Lyons & Company, New York, N. Y. Filed Sept. 20, 1923.

L AND S

Particular description of goods.—Preparation Used in the Treatment of Rheumatism.
Claims use since Sept. 15, 1921.

Ser. No. 186,013. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) HYMAN BAUMAN & CO. New York, N. Y. Filed Sept. 21, 1923.

PANGO

The mark consists of the word "Pango."
Particular description of goods.—Cotton Piece Goods
Claims use since Aug. 24, 1923.

Ser. No. 186,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Sept. 21, 1923.

SUPER BLU FIXE

No claim is made herein to the registration of the word "Blu" apart from the mark shown in the drawing.
Particular description of goods.—Laundry and Textil Sour.
Claims use since Mar. 1, 1923.

Ser. No. 186,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAHERTY BAKING CO., Covington Ky. Filed Sept. 24, 1923.



DIXIE PRIDE

No claim is made to the representation of a loaf of bread apart from the mark shown in the drawing.
Particular description of goods.—Bread.
Claims use since on or about Sept. 22, 1921.

Ser. No. 186,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITEN BISCUIT CO., Omaha, Nebr. Filed Sept. 24, 1923.



The word "Soda" does not form a part of the registration sought apart from the mark shown in the drawing. The lining indicates the colors red, blue, green, and yellow.
Particular description of goods.—Crackers.
Claims use since Aug. 22, 1923.

Ser. No. 186,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. IVINS' SON, INC., Philadelphia, Pa. Filed Sept. 24, 1923.

KILTIE KOOKIES

The word "Kookies" forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Cookies.
Claims use since Jan. 1, 1919.

Ser. No. 186,186. (CLASS 38. PRINTS AND PUBLICATIONS.) HAROLD V. HOUGH, Fort Worth, Tex. Filed Sept. 25, 1923.

The Hired Hand

Particular description of goods.—Cartoons.
Claims use since Sept. 17, 1923.

Ser. No. 186,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES PARFUMS DE MUEY, Paris, France. Filed Sept. 26, 1923.

LE BEAU SOIR

The trade mark consists of the words "Le Beau Soir."
Particular description of goods.—Perfumery Products—Namely, Perfumes, Essential Oils, Scented Waters, Toilet Waters, Scent Extracts, Skin and Hair Coloring Materials, Rice Powders, Talc, Talcum Powders, Skin and Hair Creams, Toilet Lotions, Facial Packs, Hair Dressings, Hair Tonics, Shampoos, Sachets, Deodorants, Nail Polish, Depilatories, Dentifrices, Brilliantines, Bath Salts, Natural and Synthetic Products Used for Scenting Purposes, Petroleum-Jelly Preparations, Essences, Pomades, and Preparations for Use After Shaving.
Claims use since June 6, 1923.

Ser. No. 186,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES PARFUMS DE MURY, Paris, France. Filed Sept. 26, 1923.

LE JARDIN DE MA SŒUR

The trade mark consists of the words "Le Jardin de Ma Soeur."

Particular description of goods.—Perfumery Products—Namely, Perfumes, Essential Oils, Scented Waters, Toilet Waters, Scent Extracts, Skin and Hair Coloring Materials, Rice Powders, Talc, Talcum Powders, Skin and Hair Creams, Toilet Lotions, Facial Packs, Hair Dressings, Hair Tonics, Shampoos, Sachets, Deodorants, Nail Polish, Depilatories, Dentifrices, Brilliantines, Bath Salts, Natural and Synthetic Products Used for Scenting Purposes, Petroleum-Jelly Preparations, Essences, Pomades, and Preparations for Use After Shaving.

Claims use since June 6, 1923.

Ser. No. 186,239. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LES PARFUMS DE MURY, Paris, France. Filed Sept. 26, 1923.

VIOLETERA

The trade mark consists of the invented word "Violetera."

Particular description of goods.—Perfumery Products—Namely, Perfumes, Essential Oils, Scented Waters, Toilet Waters, Scent Extracts, Skin and Hair Coloring Materials, Rice Powders, Talc, Talcum Powders, Skin and Hair Creams, Toilet Lotions, Facial Packs, Hair Dressings, Hair Tonics, Shampoos, Sachets, Deodorants, Nail Polish, Depilatories, Dentifrices, Brilliantines, Bath Salts Natural and Synthetic Products Used for Scenting Purposes, Petroleum-Jelly Preparations, Essences, Pomades and Preparations for Use After Shaving.

Claims use since June 6, 1923.

Ser. No. 186,250. (CLASS 38. PRINTS AND PUBLICATIONS.) SHOE AND LEATHER REPORTER CO., Boston, Mass. Filed Sept. 26, 1923.

Leather Goods Review

Leather Goods Review.

Particular description of goods.—Trade Publication Section Published Monthly.

Claims use since Aug. 9, 1923.

Ser. No. 186,356. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. A. WANDER S. A., Berne, Switzerland. Filed Sept. 29, 1923.

GLOMA

Particular description of goods.—Crystalline Malt Extracts Intended Exclusively for Medicinal Use and as a Vehicle for Drugs.

Claims use since Jan. 1, 1922.

Ser. No. 186,375. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 29, 1923.

PONJOLA

Particular description of goods.—Worsted and Woolen Textile Fabrics.

Claims use since Mar. 1, 1922.

Ser. No. 186,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSÉ CORET, Tulúca, Mexico. Filed Oct. 1, 1923.



No claim is made to the exclusive right to the use of the word "Specific" or to the words "Especifico Colon" apart from the mark shown in the drawing. The portrait shown is that of Christopher Columbus, deceased.

Particular description of goods.—Preparation for Use in the Treatment of Piles or Hemorrhoids.

Claims use since about October, 1910.

Ser. No. 186,428. (CLASS 39. CLOTHING.) THE INTERNATIONAL SHOE CO., doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y. Filed Oct. 1, 1923.



No claim is made to the words "Shoes," "All Leather," and "Trade-Mark" apart from the mark shown on the drawing.

Particular description of goods.—Men's, Women's, and Children's Shoes of Leather, Rubber, and Fabric.

Claims use since July 31, 1923.

Ser. No. 186,432. (CLASS 39. CLOTHING.) A. E. LITTLE COMPANY, Lynn, Mass. Filed Oct. 1, 1923.

NEW ERA

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material.

Claims use since Dec. 1, 1896.

Ser. No. 186,444. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed Oct. 1, 1923.



Applicant disclaims exclusive right to the map of the United States apart from the other feature of the mark shown in the drawing.

Particular description of goods.—Pillowcases and Sheets.

Claims use since Aug. 9, 1923.

Ser. No. 186,453. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE AMERICAN PAPER & W. W. CO., Cincinnati, Ohio. Filed Oct. 2, 1923.

POODLE DOG



No claim is made to the representation of the goods apart from the mark shown on the drawing.

Particular description of goods.—Brooms.

Claims use since 1910.

Ser. No. 186,467. (CLASS 39. CLOTHING.) ELOESSER HEYNEMANN CO., San Francisco, Calif. Filed Oct. 2, 1923.

CAMPUS CORDS

Particular description of goods.—Trousers.

Claims use since Mar. 19, 1922.

Ser. No. 186,594. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARGREAVES & CO., LTD., Leeds, England. Filed Oct. 5, 1923.



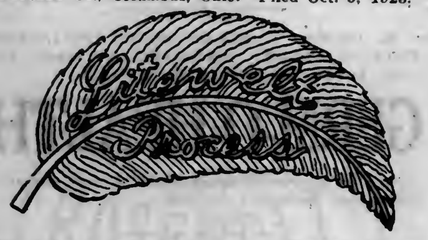
"Silveroyd"

No claim is made to the words "Sterling Quality."

Particular description of goods.—Cloths, Stuffs of Wool, Worsted, or Hair.

Claims use since January, 1918.

Ser. No. 186,596. (CLASS 39. CLOTHING.) LITEWELT PROCESS CO., Columbus, Ohio. Filed Oct. 5, 1923.



No claim is made to the words "Litewelt Process" apart from the other features of the mark as shown.

Particular description of goods.—Ladies' Fabric and Combination Shoes and Also Men's Leather Shoes.

Claims use since Sept. 1, 1921.

Ser. No. 186,640. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIAM H. HUFF, Chicago, Ill. Filed Oct. 6, 1923.

WIND-O-GLOW

Particular description of goods.—Colored Window Transparencies.

Claims use since Sept. 14, 1923.

Ser. No. 186,682. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THOMAS WALKER & SON LIMITED, Birmingham, England. Filed Oct. 6, 1923.

VIKING

Particular description of goods.—Ship Logs, Nautical Distance Recorders, and Nautical Speed Indicators, Sounding Machines, and Ship-Log Lines for Said Nautical Instruments.
Claims use since Oct. 20, 1905.

Ser. No. 186,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. C. JOHNSON & SON, Racine, Wis. Filed Oct. 10, 1923. Under section 5ᵇ, act of 1905, as amended 1920.

JOHNSON'S

Particular description of goods.—Liquid Compound for Removing Carbon Deposits from the Cylinders and Associated Parts of Internal-Combustion Engines.
Claims use since September, 1916.

Ser. No. 186,799. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN F. MURRAY, New York, N. Y. Filed Oct. 10, 1923.

DIOXOL

Particular description of goods.—Pharmaceutical Preparations for Stimulating Action of the Liver Cells.
Claims use since Apr. 20, 1922.

Ser. No. 186,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERM-O-HEALTH CEREAL COMPANY, Polson, Mont. Filed Oct. 12, 1923.

GERM-O-HEALTH

Particular description of goods.—Breakfast Cereal.
Claims use since Sept. 5, 1923.

Ser. No. 186,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAX GLICK COMPANY, Cleveland, Ohio. Filed Oct. 13, 1923.



Particular description of goods.—Candy.
Claims use since April, 1923.

Ser. No. 186,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1923.



No claim is made to the word "Trade-Mark" except in the form and association shown in the drawing.
Particular description of goods.—Bluing, Consisting of Bluing in Liquid, Granular, or Pulverized Form, for Wash Bluing in Laundry Work of White and Colored Clothes.
Claims use since July 23, 1923.

Ser. No. 186,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed Oct. 13, 1923.

BLUCO
TRADE MARK

No claim is made to the word "Trade-Mark" except in the form and association shown in the drawing.
Particular description of goods.—Bluing, Consisting of Bluing in Liquid, Granular, or Pulverized Form, for Wash Bluing in Laundry Work for White and Colored Clothes.
Claims use since July 23, 1923.

Ser. No. 186,966. (CLASS 39. CLOTHING.) FRED. H. SAMUELS & Co., New York, N. Y. Filed Oct. 13, 1923.



The lines in the drawing do not indicate color. No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Sweaters, Knitted Suits, Knitted Dresses, Knitted Skirts, Knitted Coats, Knitted Blouses, Knitted Capes, Knitted Caps, Knitted Gauntlets, Knitted Mufflers, Knitted Scarfs, and Knitted Vestees.
Claims use since approximately 1911.

Ser. No. 187,066. (CLASS 22. (GAMES, TOYS, AND SPORTING GOODS.) NATIONAL CROLF COMPANY, Chicago, Ill. Filed Oct. 16, 1923.

CROLF

Particular description of goods.—A Lawn Game Much Like Golf.
Claims use since Sept. 4, 1923.

Ser. No. 187,086. (CLASS 39. CLOTHING.) BROWN SHOE COMPANY, INC., doing business as The Central Shoe Company, St. Louis, Mo. Filed Oct. 17, 1923.



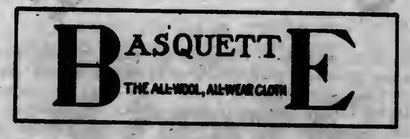
Particular description of goods.—Shoes Made of Leather, Canvas, Cloth, and Combinations Thereof.
Claims use since Nov. 21, 1922.

Ser. No. 187,121. (CLASS 39. CLOTHING.) D. M. OBERMAN MFG. Co., Jefferson City, Mo., and New York, N. Y. Filed Oct. 17, 1923.



Particular description of goods.—Men's and Boys' Pants and Sport or Work Shirts.
Claims use since Aug. 29, 1923.

Ser. No. 187,130. (CLASS 39. CLOTHING.) JOS. ROSENBERG & Co., New York, N. Y. Filed Oct. 17, 1923.



The lining on the drawing is for the purpose of shading only. The all-wool, all-wear cloth shown on the drawing is hereby disclaimed.
Particular description of goods.—Dresses.
Claims use since Sept. 15, 1923.

Ser. No. 187,131. (CLASS 39. CLOTHING.) JOS. ROSENBERG & Co., New York, N. Y. Filed Oct. 17, 1923.



The lining on the drawing is for the purpose of shading only.
Particular description of goods.—Dresses.
Claims use since Sept. 15, 1923.

Ser. No. 187,145. (CLASS 31. FILTERS AND REFRIGERATORS.) WICANDER & Co. INC., New York, N. Y. Filed Oct. 17, 1923.



Particular description of goods.—Refrigerators.
Claims use since June 1, 1923.

Ser. No. 187,184. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ESTELLE V. ALLISON, New York, N. Y. Filed Oct. 19, 1923.



No claim is made to the exclusive use of the word "Doll" apart from the mark as shown.
Particular description of goods.—Dolls.
Claims use since October, 1917.

Ser. No. 187,197. (CLASS 39. CLOTHING.) CLUETT, PEABODY, & CO., INC., Troy, N. Y. Filed Oct. 19, 1923.

ASCOT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since February, 1922.

Ser. No. 187,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENARD MAYONNAISE COMPANY, Nashville, Tenn. Filed Oct. 19, 1923.

HENARD'S

Applicant disclaims exclusive right to the surname "Henard."
Particular description of goods.—Salad Dressing and Vegetable Relish.
Claims use since Sept. 1, 1923.

Ser. No. 187,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RODNEY MILLING COMPANY, also doing business as Inter-City Mills, Kansas City, Mo. Filed Oct. 23, 1923.

Sno-Bread

No claim is made to the word "Bread" apart from the mark as shown.
Particular description of goods.—Wheat Flour.
Claims use since Feb. 15, 1922.

Ser. No. 187,397. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Oct. 23, 1923. Under section 9, act of Mar. 19, 1920.

Warner's

The mark comprises the word "Warner's."
Particular description of goods.—Corset Accessories—Namely, Corset Laces and Corset Clasps.
Claims use since 1910.

Ser. No. 187,428. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco, Calif. Filed Oct. 24, 1923.

INTEREX

The mark consists of the arbitrary word "Interex." This has generally been arranged as shown in said drawing, in which it appears in plain block capitals, printed in back in a horizontal line.
Particular description of goods.—Ready-Mixed Paints and Varnishes for Either Interior or Exterior Use.
Claims use since Jan. 1, 1914.

Ser. No. 187,430. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco, Calif. Filed Oct. 24, 1923.

SAXUMITE

The mark consists of the arbitrary word "Saxumite." This has generally been arranged as shown in said drawing in plain block capitals in the form of an arc, printed in white, but other forms of type may be employed or may be differently arranged or colored without materially altering the characters of the trade-mark, the essential features of which is the word "Saxumite."
Particular description of goods.—Paste and Ready-Mixed Paints and Varnishes.
Claims use since Jan. 1, 1914.

Ser. No. 187,431. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco, Calif. Filed Oct. 24, 1923.

CEMENTOLINE

The mark consists of the arbitrary word "Cementoline." This has generally been arranged as shown in said drawing in plain block capitals in the form of an arc, printed in black, but other forms of type may be employed or it may be differently arranged or colored without materially altering the character of the trade-mark, the essential features of which is the word "Cementoline."
Particular description of goods.—Paste and Ready-Mixed Paint for Cement and Concrete Surfaces.
Claims use since Jan. 1, 1914.

Ser. No. 187,432. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco, Calif. Filed Oct. 24, 1923.

ALVALINE

The mark consists of the arbitrary word, Alvaline." This has generally been arranged as shown in said drawing in plain block capitals in the form of an arc, printed in red. but other forms of type may be employed, or it may be differently aranged or colored without materially altering the character of the trade mark, the essential features of which is the word "Alvaline."
Particular description of goods.—Flat Paints in Paste Form.
Claims use since Jan. 1, 1914.

Ser. No. 187,433. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco. Calif. Filed Oct. 24, 1923.

RENGAM

The mark consists of the arbitrary word "Rengam." This has generally been arranged as shown in said drawing, in which it appears in plain block capitals, printed in red in a horizontal line, but other forms of type may be employed or it may be differently arranged or colored without materially altering the character of the trade-mark, the essential features of which is the word "Rengam."
Particular description of goods.—Paint Enamels.
Claims use since Jan. 1, 1914.

Ser. No. 187,434. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAGNER BROTHERS, San Francisco, Calif. Filed Oct. 24, 1923.

FLORATONE

The mark consists of the arbitrary word "Floratone." This has generally been arranged as shown in said drawing, in which it appears in plain block capitals, printed in black in a horisontal line, but other forms of type may be employed, or it may be differently arranged of colored without materially altering the character of the trademark, the essential features of which is the word "Floratone."
Particular description of goods.—Paste and Ready-Mixed Flat Paints.
Claims use since Jan. 1, 1914.

Ser. No. 187,455. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARLE-GRIGG, INC., Rochester, N. Y. Filed Oct. 25, 1923.

vets

Particular description of goods.—Chewing Gum.
Claims use since Oct. 1, 1923.

Ser. No. 187,611. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DUNCAN, VAIL COMPANY, Los Angeles, Calif. Filed Oct. 29, 1923.

VÂDUN

Particular description of goods.—Oil Colors Ground in Oil, Enamels Ground in Oil and Varnish, Water Colors Ground in Water, Poster and Show-Card Colors Ground in Water, Dry Water Colors, Bronzes, and Metallic Powders, Pale Drying Oil, Strong Drying Oil, Jap Drier, Linseed Oil, Poppy Oil, French Spirit Varnish, Turpentine, Mastic Varnish, Shellac, Dammar Varnish, Copal Varnish, and Fixative.
Claims use since Sept. 1, 1920.

Ser. No. 187,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRIEL & FRIEL, Minneapolis, Minn. Filed Oct. 29, 1923.



Particular description of goods.—Edible Ice-Cream Container.
Claims use since July 1, 1923.

Ser. No. 187,641. (CLASS 39. CLOTHING.) RICH-KLEIN CO., Los Angeles, Calif. Filed Oct. 29, 1923.

Tailor Maid

Particular description of goods.—Ladies' Blouses; Ladies', Men's, and Children's Dress Shirts; Ladies', Men's, and Children's Negligee Shirts; Ladies', Men's, and Children's Work Shirts.
Claims use since May 1, 1923.

Ser. No. 187,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDWEST CREAMERY CO., Plymouth, Wis. Filed Oct. 30, 1923.

Clover Dew

Particular description of goods.—Creamery Butter.
Claims use since November, 1917.

Ser. No. 187,703. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNGERER & COMPANY, INC., New York, N. Y. Filed Oct. 30, 1923. Under ten-year proviso.

OIL NEROLI D'OR

Particular description of goods.—Oil of Orange Blossoms.
Claims use since 1890.

Ser. No. 187,728. (CLASS 15. OILS AND GREASES.) DALCO LUBRICANTS, INCORPORATED, Washington, D. C. Filed Oct. 31, 1923.

DALCOYL LUBRICATION

The right to the exclusive use of the word "Lubrication" is disclaimed apart from the remainder of the mark shown in the drawing.
Particular description of goods.—Lubricants, and More Particularly for a Grease-Like Lubricant.
Claims use since Oct. 15, 1923.

Ser. No. 187,731. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Oct. 31, 1923.

Electrified

Particular description of goods.—Strawberry Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,732. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Oct. 31, 1923.

Electrified

Particular description of goods.—Lime Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,733. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Oct. 31, 1923.

Electrified

Particular description of goods.—Sarsaparilla Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,734. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Oct. 31, 1923.

Electrified

Particular description of goods.—Orange Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,746. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KOPS BROS. INC., New York, N. Y. Filed Oct. 31, 1923.

Variolastic

Particular description of goods.—Elastic Webbing in the Piece, the Goods Being Relatively Wide and Suitable for Making Inserts in Corsets and Other Garments, in Making Shoe Uppers, and for Similar Purposes.
Claims use since Aug. 1, 1923.

Ser. No. 187,756. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NASHVILLE ROLLER MILLS, Nashville, Tenn. Filed Oct. 31, 1923.

HEALTHFUL DEPENDABLE ECONOMICAL WSM ASSN

No claim is made to the words "Healthful," "Dependable," and "Economical" except in the relation shown.
Particular description of goods.—Self-Rising Flour.
Claims use since July 18, 1923.

Ser. No. 187,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. PIUMA, doing business as Stopkofin Laboratories, Los Angeles, Calif. Filed Oct. 31, 1923.

STOPKOFIN

Particular description of goods.—Medicinal Preparation for the Relief of Coughs, Colds, Loss of Voice, Bronchitis, Hoarseness, Tickling in the Throat, Whooping Cough, Spasmodic Croup, Bronchial and La Grippe Coughs, and Minor Affections of the Throat and Lungs.
Claims use since July 1, 1923.

Ser. No. 187,796. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 1, 1923.

ARAPRINT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 5, 1923.

Ser. No. 187,798. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 1, 1923.

DIMITINE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,800. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 1, 1923.

HEATHER

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 17, 1920.

Ser. No. 187,801. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 1, 1923.

POMANDER

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRUMP & FIELD, Ashland, Ky. Filed Nov. 1, 1923.

Holiday

Particular description of goods.—Roasted Coffee.
Claims use since Sept. 15, 1923.

Ser. No. 187,804. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HENRY A. DEWEY COMPANY, INC., New York, N. Y. Filed Nov. 1, 1923.

DUCO

Particular description of goods.—Wood Stains, Fillers, Dry Colors, Including Dry Aniline Wood-Stain Powders, Prepared Shellac, Varnishes, Thinners, Paint Enamels, Lacquers.
Claims use since June 1, 1920.

Ser. No. 187,806. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Nov. 1, 1923.

Electrified

Particular description of goods.—Grape Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,807. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Nov. 1, 1923.

Electrified

Particular description of goods.—Cherry Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,808. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER & MACHINE COMPANY, Dallas, Tex. Filed Nov. 1, 1923.

Electrified

Particular description of goods.—Creme Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,810. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Nov. 1, 1923.

Electrified

Particular description of goods.—Lemon Drink.
Claims use since Jan. 1, 1922.

Ser. No. 187,811. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) ANTONY GIBBS & CO. INC., New York, N. Y. Filed Nov. 1, 1923.

AN-G-CO

Particular description of goods.—Piece Goods—Namely, Interlinings to be Made Up into Coat Fronts.
Claims use since Oct. 15, 1923.

Ser. No. 187,879. (CLASS 39. CLOTHING.) A. R. RUBIN, New York, N. Y. Filed Nov. 2, 1923.

ROB ROY

Particular description of goods.—Ladies' Coats, Suits, Waists, Dresses, Skirts, and Capes.
Claims use since Sept. 1, 1923.

Ser. No. 187,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN ABRAHAM, doing business as Dental Chemical Co., New York, N. Y. Filed Nov. 3, 1923.

FORMAFORM

Particular description of goods.—Medicinal Powder for Use in Dentistry as a Dressing in Root Canals and for Capping Exposed Pulps.
Claims use since June 6, 1923.

Ser. No. 187,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN ABRAHAM, doing business as Dental Chemical Co., New York, N. Y. Filed Nov. 3, 1923.

NATKALIUM

Particular description of goods.—Chemical Liquid Solution for Use in Dentistry for Cleansing and Sterilizing of Root Canals.
Claims use since June 6, 1923.

Ser. No. 187,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHAN ABRAHAM, doing business as Dental Chemical Co., New York, N. Y. Filed Nov. 3, 1923.

IODOPERCHA

Particular description of goods.—Medicinal Granular Powder Used in Dentistry as a Root-Canal Filling.
Claims use since June 6, 1923.

Ser. No. 187,915. (CLASS 39. CLOTHING.) CLUETT PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923

KRINKLYN

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,916. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923.

MAYFAIR

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 3, 1923.

Ser. No. 187,917. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923.

PATRICIAN

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 7, 1923.

Ser. No. 187,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLETCHER-WILSON COFFEE COMPANY, Nashville, Tenn. Filed Nov. 3, 1923.



Particular description of goods.—Candied Pop Corn and Peanuts.
Claims use since Aug. 21, 1923.

Ser. No. 187,924. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923

Cassia

Particular description of goods.—Woolen Piece Goods
Claims use since Oct. 1, 1923.

Ser. No. 187,933. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923.

Oretta

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 187,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH MCGOOGAN, doing business as Mo-Tex Company, Cleveland, Ohio. Filed Nov. 3, 1923.

MO-TEX

Particular description of goods.—Compound of Three Carbonates of Soda and a Soda Hypochlorite Used as a Vaginal Douche, as a Deodorant and Antiseptic in Pharmaceutical Preparations.
Claims use since Jan. 1, 1923.

Ser. No. 187,961. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY COMPANY, Chicago, Ill. Filed Nov. 3, 1923.

OLD NICK

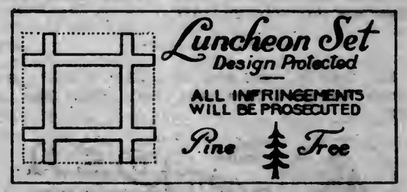
Particular description of goods.—Candy.
Claims use since Oct. 30, 1923.

Ser. No. 187,989. (CLASS 39. CLOTHING.) CLUETT PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923.

PONJAREE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 6, 1923.

Ser. No. 187,990. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. HERRMANN, New York, N. Y. Filed Nov. 5, 1923.



No claim is made to the words "Luncheon Set, Design Protected, All Infringements will be Prosecuted" and the representation of the goods apart from the mark shown in the accompanying drawing.
Particular description of goods.—White and Colored Bordered Luncheon Sets of Silk, Cotton, or Linen or Mixtures of Silk, Cotton, or Linen.
Claims use since January, 1923.

Ser. No. 187,992. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923.

MIRAGE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 17, 1923.

Ser. No. 187,994. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923.

JERZWEVE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 13, 1923.

Ser. No. 187,995. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923.

CAVALIER

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 13, 1923.

Ser. No. 187,997. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 5, 1923.

JERSATINE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 4, 1923.

Ser. No. 188,009. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Nov. 5, 1923.

PENCIL TIES

No claim is made to the word "Ties" apart from the mark shown on the drawing.
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since 1912.

Ser. No. 188,010. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Nov. 5, 1923.

DERBY TIES

No claim is made to the word "Ties" apart from the mark shown on the drawing.
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since 1912.

Ser. No. 188,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALLIGATOR LINIMENT COMPANY, Charleston, S. C. Filed Nov. 5, 1923. Under ten-year proviso.

INDIAN HERBS

Particular description of goods.—Medicines for the Treatment of the Liver, Kidneys, Stomach, Intestines, and Urinary Organs.
Claims use since 1870.

Ser. No. 188,077. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RICHARD VOIT, Philadelphia, Pa. Filed Nov. 6, 1923.

DREAM

The mark consists of the word "Dream."
Particular description of goods.—Bedspreads, Pillow Shams, and Throws.
Claims use since Sept. 24, 1923.

Ser. No. 188,097. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Nov. 7, 1923.

OLD FORT

The drawing merely represents shading.
Particular description of goods.—Prepared Liquid Paint.
Claims use since September, 1905.

Ser. No. 188,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAGLE ROLLER MILL CO., New Ulm, Minn. Filed Nov. 8, 1923.



Particular description of goods.—Poultry Feed.
Claims use since Sept. 3, 1922.

Ser. No. 188,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELLIER COMPANY, PERFUMER, St. Louis, Mo., and New York, N. Y. Filed Nov. 8, 1923.

MELLIER'S HAIRSTAY

Particular description of goods.—Cream or Dressing for the Hair.
Claims use since June 1, 1923.

Ser. No. 188,141. (CLASS 39. CLOTHING.) MAX UDELL & SONS, New York, N. Y. Filed Nov. 8, 1923.

MAXELLO

Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since June, 1918.

Ser. No. 188,175. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 9, 1923.



The representation of a girl is fanciful.
Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 29, 1917.

Ser. No. 188,176. (CLASS 39. CLOTHING.) THE BENDER COMPANY, Milwaukee, Wis. Filed Nov. 10, 1923.

UNION MADE BENDER SHIRTS

No claim made to the words "Union Made" nor to the words "Bender Shirts" apart from the mark as shown.
Particular description of goods.—Men's and Boys' Negligee Shirts Suitable for Use as Work or Sport Shirts.
Claims use since Nov. 19, 1921.

Ser. No. 188,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA SOPHIE EGGELING, doing business as O. Eggeling, New York, N. Y. Filed Nov. 10, 1923. Under ten-year proviso.

DR. BREHM'S REVALENTA

Trade-mark consists of the words "Dr. Brehm's Revalenta," together with a picture of a bird upon a support. The lines shown in drawing are merely for the purpose of shading. A facsimile of trade-mark as it is actually used is shown in accompanying drawing.
Particular description of goods.—Remedy for Bird Ailments.
Claims use since Nov. 1, 1888.

Ser. No. 188,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA SOPHIE EGGELING, doing business as O. Eggeling, New York, N. Y. Filed Nov. 10, 1923. Under ten-year proviso.

REVALENTA

The mark consists of the word "Revalenta." The lines shown in the drawing are employed merely for the purpose of shading. A facsimile of said mark as is actually used is shown in accompanying drawing.
Particular description of goods.—Remedy for Bird Ailments.
Claims use since Nov. 1, 1888.

Ser. No. 188,215. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. O. PIERCE COMPANY, New York, N. Y. Filed Nov. 10, 1923.

PIERCE P PAINT

No claim is made to the word "Paint" apart from the mark as shown on the drawing. The drawing is lined for red.
Particular description of goods.—Varnishes, Furniture and Automobile Polishes, Paint Pigment Colors, Dry Colors, Wood Stains, Metal-Coating Preparations in the Nature of Paints, Wood Fillers, Japans, Paint and Varnish Driers, Paint and Varnish Asphaltums, Bronze Liquid, Prepared Paint and Varnish Reducing Liquid, Colors in Oil, Colors in Varnish and Colors in Water, Enamels in the Nature of Paint, Acidproof Paint and Coating Flat Wall Finish in the Nature of Paint, Liquid-Concrete Coating in the Nature of a Paint, Deck Paint, Ready-Mixed and Prepared Paints, Floor-Wax Paste Paints, Paints in Powdered Form, Floor Oil and Paint, Prepared Shellac, Japan and Liquid Driers, Color Varnishes, Auto-Top Dressings in the Nature of Paint, Varnish Stains, and Liquid and Paste Putty.
Claims use since Oct. 1, 1923.

Ser. No. 188,224. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSWALD JAEGER BAKING CO., Milwaukee, Wis. Filed Nov. 10, 1923.



Particular description of goods.—Breads, Cakes, Doughnuts, and Buns.
Claims use since November, 1920.

Ser. No. 188,324. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Nov. 14, 1923.



Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Nightshirts, Pyjamas, Underwear of Knitted and Textile Fabric for Men and Boys, Boys' Blouses, and Men's Neckties, Scarfs, Cravats, and Hosiery.
Claims use since January, 1923.

Ser. No. 188,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. CHARLES B. ROBERTS, Detroit, Mich. Filed Nov. 14, 1923.



The mark consists of a photograph of applicant's deceased father.
Particular description of goods.—Medicines for Asthma.
Claims use since Sept. 18, 1923.

Ser. No. 188,384. (CLASS 39. CLOTHING.) THOMAS E. GERANEY, doing business as Standard Neckwear Company, Boston, Mass. Filed Nov. 15, 1923.

SLIM JIM

Slim Jim.

Particular description of goods.—Neckties.

Claims use since Oct. 19, 1922.

Ser. No. 188,275. (CLASS 39. CLOTHING.) NEW YORK WAIST HOUSE, INC., New York, N. Y. Filed Nov. 15, 1923.

FAN TAN

Particular description of goods.—Women's Hosiery.

Claims use since on or about Sept. 1, 1923.

Ser. No. 188,387. (CLASS 37. PAPER AND STATIONERY.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Crayons.

Claims use since Sept. 20, 1923.

Ser. No. 188,392. (CLASS 37. PAPER AND STATIONERY.) THE UNION PAPER AND TWINE COMPANY, Detroit, Mich. Filed Nov. 15, 1923.

TYPOCRAFT

Particular description of goods.—Paper Used for Correspondence.

Claims use since September, 1922.

Ser. No. 188,427. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE OHIO VARNISH COMPANY, Cleveland, Ohio. Filed Nov. 16, 1923.

O-VAR

Particular description of goods.—Varnishes, Paint Enamels, Paints in Paste and Ready-Mixed Form, Stains, and Paste Fillers.

Claims use since July 1, 1919.

Ser. No. 188,432. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.

RESEARCH

Particular description of goods.—Aluminum Bronze, Retouching Enamel, Tire Enamel, Auto Enamel, and Bearing Blue.

Claims use since Feb. 25, 1922, on aluminum bronze, retouching enamel, tire enamel, and auto enamel; since Mar. 16, 1922, on bearing blue.

Ser. No. 188,433. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.



Particular description of goods.—Aluminum Bronze, Retouching Enamel, Tire Enamel, Auto Enamel, and Bearing Blue.

Claims use since Feb. 25, 1922, on aluminum bronze, retouching enamel, tire enamel, and auto enamel; since Mar. 16, 1922, on bearing blue.

Ser. No. 188,447. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SPRAY ENGINEERING COMPANY, Boston, Mass. Filed Nov. 16, 1923.

SPRACO

Particular description of goods.—Self-Cleaning Strainers for Water or Other Liquid Distribution.

Claims use since on or about Nov. 10, 1915.

Ser. No. 188,493. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MORGAN PRODUCTS COMPANY, Toledo, Ohio. Filed Nov. 17, 1923.

SOFTENEAU

Particular description of goods.—Water-Softening Compounds.

Claims use since Oct. 1, 1923.

Ser. No. 188,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Nov. 17, 1923.

EL CARMEN

Particular description of goods.—Wheat Flour.

Claims use since 1905.

Ser. No. 188,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SUSQUEHANNA SILK MILLS, New York, N. Y. Filed Nov. 17, 1923.

SU-SI-KI SILK

The word "Silk" is disclaimed apart from the mark shown.

Particular description of goods.—Silk Piece Goods.

Claims use since Aug. 8, 1922.

Ser. No. 188,507. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TUCKER PHARMACAL COMPANY, New York, N. Y. Filed Nov. 17, 1923.

BRO-SEDA

Particular description of goods.—Sedatives.

Claims use since Aug. 14, 1923.

Ser. No. 188,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN S. VAN LOON, doing business as Sal-Tox Laboratories, Detroit, Mich. Filed Nov. 17, 1923.

SAL-TOX

Particular description of goods.—Preparation for the Treatment of Rheumatism, Neuritis, and Hay Fever.

Claims use since June 15, 1922.

Ser. No. 188,531. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 19, 1923.

SUPER CORDS

Particular description of goods.—Negligee and Dress Shirts.

Claims use since Sept. 29, 1921.

Ser. No. 188,532. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 19, 1923.

ARACALE

Particular description of goods.—Negligee and Dress Shirts.

Claims use since July 31, 1922.

Ser. No. 188,533. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 19, 1923.

ARGYLE

Particular description of goods.—Negligee and Dress Shirts.

Claims use since Sept. 17, 1920.

Ser. No. 188,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALLIE EDGAR FOWLER, Texarkana, Tex. Filed Nov. 19, 1923.

EZMA

Particular description of goods.—Preparation for Eczema.

Claims use since Nov. 1, 1921.

Ser. No. 188,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIUS GARFINKEL, doing business as Julius Garfinkle & Co., Washington, D. C. Filed Nov. 19, 1923.

HEAVENSCENT

Particular description of goods.—Perfume, Toilet Water, and Face Powder.

Claims use since Nov. 14, 1923.

Ser. No. 188,577. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 19, 1923.

UNAMEO

Particular description of goods.—Lubricating Oils and Fuel Oils.

Claims use since Oct. 17, 1923.

Ser. No. 188,578. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 19, 1923.

UNACAL

Particular description of goods.—Lubricating Oils and Fuel Oils.

Claims use since Oct. 3, 1923.

Ser. No. 188,579. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 19, 1923.

UNAX

Particular description of goods.—Lubricating Oils and Fuel Oils.
Claims use since Oct. 3, 1923.

Ser. No. 188,580. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Nov. 19, 1923.

UNARED

Particular description of goods.—Lubricating Oils and Fuel Oils.
Claims use since Oct. 3, 1923.

Ser. No. 188,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. G. MORSE CO., INC., also doing business as Morse's, Chicago, Ill. Filed Nov. 20, 1923.

PERRY WINKLE

Particular description of goods.—Candy.
Claims use since Oct. 15, 1923.

Ser. No. 188,672. (CLASS 39. CLOTHING.) H. & L. EPSTEIN, INC., St. Louis, Mo. Filed Nov. 22, 1923.

SHEL-TEX

Particular description of goods.—Top Coats and Raincoats.
Claims use since July 1, 1923.

Ser. No. 188,675. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO. INC., New York, N. Y. Filed Nov. 22, 1923.



The lining appearing on the drawing is for shading only.
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since 1913.

Ser. No. 188,681. (CLASS 33. GLASSWARE.) HOLOPHANE GLASS COMPANY, New York, N. Y. Filed Nov. 22, 1923.

TWILITE

Particular description of goods.—Glass Globes and Reflectors for Artificial Light.
Claims use since Oct. 24, 1923.

Ser. No. 188,715. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SINDIX, LIMITED, London, England. Filed Nov. 22, 1923.

SINDIX

Particular description of goods.—Wire Brushes for Use in Connection with the Hair and Scalp.
Claims use since Apr. 28, 1923.

Ser. No. 188,716. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SPRINGFIELD-KELLY BRUSH CO. INC., Springfield, Mass. Filed Nov. 22, 1923.

S-K "SABRUSH"

No claim is made to the words "It's A Brush" apart from the mark as shown on the drawing.
Particular description of goods.—Wire Brushes for Hats, Bath Brushes, Manicure Brushes, Toilet-Bowl Brushes, Typewriter Brushes, Window Brushes, Wall Brushes, Automobile Brushes, Spoke Brushes, Hairbrushes, Clothes Brushes, Mop Brushes, Dustless Brushes, Piano Brushes, Steam-Radiator Brushes, Refrigerator Brushes, Bottle Brushes, Sink Brushes, Vegetable Brushes, Stove Brushes for Daubing and Polishing, Shoe Daubers, Shoe-Polishing Brushes, Percolator Brushes, Crumb Brushes, Floor Brushes, Face and Hand Brushes, Machine Brushes, Bench Brushes, Pastry Brushes, Skirt Brushes, Nailbrushes, Pipe Brushes, Hearth Brushes, Rubber-Tube Brushes, Shampoo Brushes, Furniture Brushes, Dental-Plate Brushes, Massage Brushes, Washbowl Brushes, Scouring Brushes, Scrubbing Brushes, Glass and Tumbler Brushes, Velour Brushes, Record Brushes, Test-Tube Brushes, Baby Hair Brushes, Baby-Bottle Brushes, Fountain Auto Brushes, Fender Brushes, Sparkling Brushes, Ice-Chest-Cleaning Brushes, Sprinkling Brushes, Fish Brushes, Meat Brushes, Gas-Stove Brushes, Grating Brushes, Pot Brushes, Metal-Brushing Brushes, Aluminum-Ware Brushes, Corn-Silk-Cleaning-Off Brushes, and Meat-Block Brushes.
Claims use since Aug. 15, 1923.

Ser. No. 188,720. (CLASS 37. PAPER AND STATIONERY.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Nov. 22, 1923.

GASKETFOLD.

Particular description of goods.—Mailing Folders.
Claims use since Oct. 24, 1923.

Ser. No. 188,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. WHEELER, Plymouth, Wis. Filed Nov. 22, 1923.

Brookshire Farm

Particular description of goods.—Cheese.
Claims use since June 30, 1923.

Ser. No. 188,729. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM E. WIENER, INC., New York, N. Y. Filed Nov. 19, 1923.

Wedding Ring Velvet

The legend "Velvet" is disclaimed apart from the mark shown.
Particular description of goods.—Velvet Piece Goods.
Claims use since Sept. 1, 1923.

Ser. No. 188,760. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) PAUL HENRI MATHRAT, Paris, France. Filed Nov. 23, 1923.

FOG

Particular description of goods.—Tobacco Pipes.
Claims use since Nov. 15, 1922.

Ser. No. 188,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUIDO ROSSI, Demonte, Italy. Filed Nov. 23, 1923.

PULMOSIL

Particular description of goods.—Medicine Used in the Treatment of Tuberculosis and Pulmonary and Chest Diseases.
Claims use since May 30, 1920.

Ser. No. 188,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TADEUSZ SZEWCZYK, Passaic, N. J. Filed Nov. 23, 1923.

SZEW

Particular description of goods.—Medicine in Liquid Form to Retard the Effects of Drunkenness, Relieve Indigestion, Gout Trouble, Colics, Swellings, Fever, and Interior Disturbances.
Claims use since June 15, 1922.

Ser. No. 188,783. (CLASS 8. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ALGOMA NET COMPANY, INC., Algoma, Wis. Filed Nov. 24, 1923.

TRUMAID

Particular description of goods.—Fly Nets Made of Cotton Cord and Saddle Girths Made of Cotton Cord.
Claims use since Sept. 10, 1923.

Ser. No. 188,784. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN SCHAEFFER & BUDENBERG CORPORATION, Brooklyn, N. Y. Filed Nov. 24, 1923. Under ten-year proviso.

COLUMBIA

Particular description of goods.—Recording Gauges, Recording Thermometers, and Recording and Indicating Tachometers.
Claims use since July, 1893.

Ser. No. 188,840. (CLASS 39. CLOTHING.) HAAS & JOHNSTON, New York, N. Y. Filed Nov. 24, 1923.

TOWN TOPICS

Particular description of goods.—Hosiery.
Claims use since Sept. 22, 1923.

Ser. No. 188,841. (CLASS 39. CLOTHING.) JAMES A. HEARN & SON, INC., New York, N. Y. Filed Nov. 24, 1923.

Peter Rabbit

Particular description of goods.—Infants' and Children's Ready-to-Wear Outer Clothing—viz, Rompers.
Claims use since 1916.

Ser. No. 188,861. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Nov 24, 1923.

JERSEY PEACH

Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Nightshirts, Pyjamas, and Boys' Blouses.
Claims use since February, 1923.

Ser. No. 188,870. (CLASS 39. CLOTHING.) STATE TEXTILE CORPORATION, New York, N. Y. Filed Nov. 24, 1923.

TRIMLYM

Particular description of goods.—Hosiery.
Claims use since Oct. 15, 1923.

Ser. No. 188,881. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BATTERY MAN PUBLISHING CO. INC., Terre Haute, Ind. Filed Nov. 26, 1923.

The BATTERY MAN

Particular description of goods.—Monthly Magazine.
Claims use since Sept. 15, 1921.

Ser. No. 188,883. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BILLINGS CLAPP & CO., INC., Boston, Mass. Filed Nov. 26, 1923.

Rudi-Lax

The trade-mark consists of the mere invented hyphenated word "Rudi-Lax."
Particular description of goods.—Medicinal Preparations for the Treatment of Sick Headache, Bad Breath, Indigestion, and Stomach Disorders Resulting from Constipation.
Claims use since Jan. 11, 1923.

Ser. No. 188,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BILLINGS CLAPP & CO., INC., Boston, Mass. Filed Nov. 26, 1923.

Rudi-tone

Particular description of goods.—General Tonic.
Claims use since Jan. 11, 1923.

Ser. No. 188,903. (CLASS 39. CLOTHING.) THE H-O-W KNITTING COMPANY, New Britain, Conn. Filed Nov. 26, 1923.

HOWCO

Particular description of goods.—Bathing Suits, Brushed Vests, Full-Fashioned Shaker Sweaters, Scarfs, Sport Coats, and Sweaters.
Claims use since October, 1919.

Ser. No. 188,929. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 26, 1923.



Particular description of goods.—Coil Files, Tire Pumps, Hack-Saw Blades, and Screw Drivers.
Claims use on coil files since Feb. 28, 1922; on tire pumps since Jan. 28, 1922; on hack-saw blades since Feb. 16, 1923; on screw drivers since June 13, 1923.

Ser. No. 188,931. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 26, 1923.

RESEARCH

Particular description of goods.—Coil Files, Tire Pumps, Hack-Saw Blades, and Screw Drivers.
Claims use on coil files since Feb. 28, 1922; on tire pumps since Jan. 28, 1922; on hack-saw blades since Feb. 16, 1923; on screw drivers since June 18, 1923.

Ser. No. 188,941. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Nov. 26, 1923.

FURNOL

Particular description of goods.—Fuel Oils.
Claims use since May 24, 1923.

Ser. No. 188,945. (CLASS 38 PRINTS AND PUBLICATIONS.) L. BAMBERGER & CO. PUBLISHING CO., Newark, N. J. Filed Nov. 27, 1923.

CHARM

Particular description of goods.—Monthly Periodical.
Claims use since October, 1923.

Ser. No. 188,951. (CLASS 39. CLOTHING.) DAVID & BLUM, INC., New York, N. Y. Filed Nov. 27, 1923.

DB

NORDRÉ

Particular description of goods.—Men's, Women's, and Children's Wearing Apparel—Namely, Leather Gloves and Gloves Made of Other Fabrics, Hosiery and Knitted Underwear, and Underwear Made of Textile Fabrics.
Claims use since July 15, 1923.

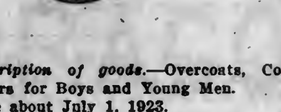
Ser. No. 188,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRI MURAOUR & CIE., Grasse, France. Filed Nov. 27, 1923.

Narcisse Bleu

Particular description of goods.—Perfumery Products—Namely, Perfumes, Essential Oils, Scented Waters, Toilet Waters, Scent Extracts, Skin and Hair Coloring Materials, Rice Powders, Talc, Talcum Powders, Skin and Hair Creams, Toilet Lotions, Facial Packs, Hair Dressings, Hair Tonics, Shampoos, Sachets, Deodorants, Nail Polishes, Depilatories, Dentifrices, Brilliantines, Bath Salts, Natural and Synthetic Products Used for Scenting Purposes, Petroleum-Jelly Preparations, Essences, Pomades, and Preparations for Use After Shaving.
Claims use since Mar. 29, 1923.

Ser. No. 188,978. (CLASS 39. CLOTHING.) SONNEBORN BROTHERS, New York, N. Y. Filed Nov. 27, 1923.

Roosevelt Junior



Particular description of goods.—Overcoats, Coats, Vests, and Trousers for Boys and Young Men.
Claims use since about July 1, 1923.

Ser. No. 188,998. (CLASS 39. CLOTHING.) FERNAND GASTINEAU, Paris, France. Filed Nov. 28, 1923.

GTN

Particular description of goods.—Hosiery of Silk and Other Fabrics.
Claims use since Mar. 1, 1907.

Ser. No. 189,023. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN ASSOCIATION OF MUSEUMS, Washington, D. C. Filed Nov. 30, 1923.

MUSEUM WORK

Particular description of goods.—Bimonthly Periodical.
Claims use since June, 1918.

Ser. No. 189,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARBER MILLING COMPANY, Minneapolis, Minn. Filed Nov. 30, 1923.

GOLD VALE



The lining on the drawing is used for shading purposes only.

Particular description of goods.—Wheat Flour.
Claims use since on or about Oct. 1, 1923.

Ser. No. 189,070. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIN & GOLDSTEIN, New York, N. Y. Filed Nov. 30, 1923.

ARTOIL

Particular description of goods.—Facsimile Oil Paintings.
Claims use since Nov. 23, 1923.

Ser. No. 189,094. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Dec. 1, 1923.

TINT-O-BLUE

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since September, 1923.

Ser. No. 189,095. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Dec. 1, 1923.

TINT-O-GOLD

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since September, 1923.

Ser. No. 189,100. (CLASS 37. PAPER AND STATIONERY.) CHARLES J. COHEN COMPANY, Philadelphia, Pa. Filed Dec. 1, 1923.

"Mon-e-safe"

Particular description of goods.—Envelopes.
Claims use since Nov. 22, 1923.

Ser. No. 189,125. (CLASS 39. CLOTHING.) MORRIS W. HAFT & BROS., INC., New York, N. Y. Filed Dec. 1, 1923.

MAH-JONG

Particular description of goods.—Ladies' Cloaks, Coats, Suits, Dresses, and Skirts.
Claims use since Oct. 10, 1923.

Ser. No. 189,145. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SOPHIA HAIR STORES COMPANY, New York, N. Y. Filed Dec. 1, 1923.

Sophia

The lines shown in the drawing indicate shading and not any particular color scheme.

Particular description of goods.—Powder Puffs.
Claims use since Nov. 27, 1923.

Ser. No. 189,146. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE TELLER OPTICAL COMPANY, Providence, R. I. Filed Dec. 1, 1923.

★ Premier ★

Particular description of goods.—Spectacle Frames, Eyeglass Frames, Temples, and Component Parts of Spectacle Frames and of Eyeglass Frames.
Claims use since Sept. 20, 1923.

Ser. No. 189,168. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Dec. 3, 1923.

SIL

Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Nightshirts, Pyjamas, and Boys' Blouses.
Claims use since January, 1923.

Ser. No. 189,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM T. ELLISON, Savannah, Ga. Filed Dec. 4, 1923.

REX-TONE

Particular description of goods.—General Tonic.
Claims use since Aug. 1, 1922.

Ser. No. 189,206. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH SHOR, doing business as Indian Mountain Spring Water Co., Parksville and New York, N. Y. Filed Dec. 4, 1923.

Indian Mountain



Drawing is lined for the color red.
Particular description of goods.—Spring Water.
Claims use since Nov. 14, 1923.

Ser. No. 189,238. (CLASS 37. PAPER AND STATIONERY.) CALIFORNIA ARCH FILE CORPORATION, Pasadena, Calif. Filed Dec. 5, 1923.

AFCO

Particular description of goods.—Desk-Calendar Holders, Card Files, Loose-Leaf Binders, Stationery Perforators, and Arch-Board Files.
Claims use since Nov. 14, 1923.

Ser. No. 189,248. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. GROSSMAN'S SONS, New Orleans, La. Filed Dec. 5, 1923.

"EMULSICO"

Particular description of goods.—Nonalcoholic, Maltless Flavoring for Soft Drinks.
Claims use since Oct. 6, 1923.

Ser. No. 189,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, doing business as Loose-Wiles Company, Kansas City, Mo. Filed Dec. 5, 1923.

Polychrome

Particular description of goods.—Candy.
Claims use since Feb. 14, 1923.

Ser. No. 189,254. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Dec. 5, 1923.

THE HIGHLANDER

Particular description of goods.—Men's Coats, Overcoats, and Showerproof Coats.
Claims use since Oct. 31, 1923.

Ser. No. 189,255. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Dec. 5, 1923.

THE MOORLAND

Particular description of goods.—Men's Coats, Overcoats, and Showerproof Coats.
Claims use since Oct. 31, 1923.

Ser. No. 189,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. C. MILLER & CO., INC., Boston, Mass. Filed Dec. 5, 1923.

SNOW-STORM

Particular description of goods.—Candy.
Claims use since June 1, 1923.

Ser. No. 189,280. (CLASS 31. FILTERS AND REFRIGERATORS.) SPRAY ENGINEERING COMPANY, Boston, Mass. Filed Dec. 5, 1923.

SPRACO

Particular description of goods.—Water-Cooling Systems.
Claims use since Nov. 10, 1915.

Ser. No. 189,290. (CLASS 2. RECEPTACLES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Dec. 6, 1923.

TARZAN KRAFT



Particular description of goods.—Paper Bags.
Claims use since Jan. 25, 1923.

Ser. No. 189,292. (CLASS 2. RECEPTACLES.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Dec. 6, 1923.



Particular description of goods.—Paper Bags.
Claims use since Jan. 24, 1923.

Ser. No. 189,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN PACKING COMPANY, Everett, Wash. Filed Dec. 6, 1923.

Pride of the West

Particular description of goods.—Canned Salmon.
Claims use since July 15, 1915.

Ser. No. 189,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIEGEL C. VICK, Detroit, Mich. Filed Dec. 7, 1923.

ESSEVIC

Particular description of goods.—Salve for the Treatment of Piles.
Claims use since Oct. 25, 1923.

Ser. No. 189,390. (CLASS 2. RECEPTACLES.) CONSOLIDATED PAPER BOX MANUFACTURING CO., Richmond, Va. Filed Dec. 8, 1923.

WENO

Particular description of goods.—Paper Bags, Paper Boxes, and Paper Trays for Food Products.
Claims use since May 1, 1922.

Ser. No. 189,391. (CLASS 37. PAPER AND STATIONERY.) CONSOLIDATED PAPER BOX MANUFACTURING CO., Richmond, Va. Filed Dec. 8, 1923.

WENO

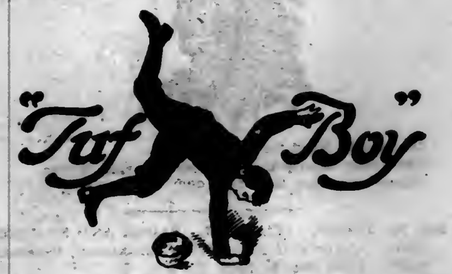
Particular description of goods.—Printing and Writing Papers, Wrapping Paper, and Pencils.
Claims use since May 1, 1922.

Ser. No. 189,393. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) EGAN & HAUSMAN COMPANY, INC., Long Island City, N. Y. Filed Dec. 8, 1923.

DUR-A-LITE

Particular description of goods.—Enamel Paints.
Claims use since 1913.

Ser. No. 189,394. (CLASS 39. CLOTHING.) THE ISAAC FALLER'S SONS COMPANY, Cincinnati, Ohio. Filed Dec. 8, 1923.



No claim is made to the word "Suits" except in the form and association shown in the drawing.
Particular description of goods.—Clothing, Consisting of Boys' Suits, Pants, Vests, and Coats.
Claims use since Jan. 1, 1920.

Ser. No. 189,427. (CLASS 2. RECEPTACLES.) ROBINSON MANUFACTURING COMPANY, Westfield, Mass. Filed Dec. 8, 1923.

Nuway

Particular description of goods.—Receptacles, Particularly Waste, Filing, and Letter Baskets.
Claims use since Feb. 7, 1923.

Ser. No. 189,429. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Dec. 8, 1923.

Flamme de Gloire

"Flamme de Gloire."
Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Nov. 19, 1923.

Ser. No. 189,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Dec. 8, 1923.

Flamme d'Or

"Flamme d'Or."
Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Nov. 9, 1923.

Ser. No. 189,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Dec. 8, 1923.

Flânerie

"Flânerie."
Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Nov. 19, 1923.

Ser. No. 189,434. (CLASS 39. CLOTHING.) TEXTILE MILLS CORPORATION, High Point, N. C. Filed Dec. 8, 1923.

American Ace

Particular description of goods.—Hosiery.
Claims use since Nov. 5, 1923.

Ser. No. 189,436. (CLASS 37. PAPER AND STATIONERY.) WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass. Filed Dec. 8, 1923.

Golden Rule

Particular description of goods.—Writing Tablets.
Claims use since Nov. 30, 1923.

Ser. No. 189,442. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE BEALS & SELKIRK TRUNK COMPANY, Wyandotte, Mich. Filed Dec. 10, 1923.



Particular description of goods.—Trunks, Traveling Bags, and Suitcases.
Claims use since Sept. 25, 1923.

Ser. No. 189,447. (CLASS 37. PAPER AND STATIONERY.) CAPITAL PAPER COMPANY, Indianapolis, Ind. Filed Dec. 10, 1923.



Particular description of goods.—Toilet Paper.
Claims use since November, 1920.

Ser. No. 189,452. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVENPORT-BROOKS CORPORATION, Fernandina, Fla. Filed Dec. 10, 1923.

SEA GARDEN

Particular description of goods.—Canned Shrimp.
Claims use since Oct. 21, 1922.

Ser. No. 189,454. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM B. GIBSON, Raymond, Wash. Filed Dec. 10, 1923.

W. B. G.

Particular description of goods.—Paint Remover.
Claims use since Nov. 1, 1923.

Ser. No. 189,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EARL T. HELMS, Kansas City, Mo. Filed Dec. 10, 1923.

Rugnu

Particular description of goods.—Dye.
Claims use since Aug. 1, 1923.

Ser. No. 189,477. (CLASS 38. PRINTS AND PUBLICATIONS.) JONAS A. ROSENFIELD, Dallas, Tex. Filed Dec. 10, 1923.

DRAMATORIAL

Particular description of goods.—Dramatic Editorials, Editorials in Dramatic Form, and Editorials on Dramatic Subjects.
Claims use since Sept. 1, 1923.

Ser. No. 189,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE LEMOINE ET CIE., INC., New York, N. Y. Filed Dec. 10, 1923.

FLEURIE

Particular description of goods.—Perfumery Raw Materials.
Claims use since Apr. 15, 1923.

Ser. No. 189,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE LEMOINE ET CIE., INC., New York, N. Y. Filed Dec. 10, 1923.

ARTRU

Particular description of goods.—Perfumery Raw Materials.
Claims use since Apr. 15, 1923.

Ser. No. 189,481. (CLASS 2. RECEPTACLES.) GEORGE O. SLINGERLAND, doing business as Mechanicsville Paper Box Company, Mechanicsville, N. Y. Filed Dec. 10, 1923.

STURDIPAK

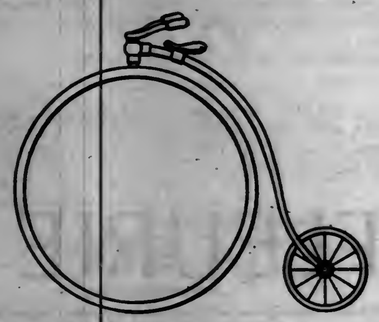
Particular description of goods.—Paper Boxes.
Claims use since Nov. 1, 1923.

Ser. No. 189,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES GOOD, INC., Wilmington, Del., and Philadelphia, Pa. Filed Dec. 11, 1923.



Particular description of goods.—Miscible Oil Used as an Insecticide and Fungicide.
Claims use since August, 1921.

Ser. No. 189,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL F. BEICH COMPANY, Bloomington, Ill. Filed Dec. 12, 1923.



Particular description of goods.—Candy.
Claims use since Sept. 20, 1923.

Ser. No. 189,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. A. DUNNING AND SON, Stroudsburg, Pa. Filed Dec. 12, 1923.

VELETA

Particular description of goods.—Toilet Cream.
Claims use since Oct. 1, 1923.

Ser. No. 189,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RA MELLE EASON, doing business as Sta-Strate Company, Hernando, Miss. Filed Dec. 12, 1923.

Sta-Strate

Particular description of goods.—Preparations for Straightening and Improving the Hair.
Claims use since Aug. 22, 1923.

Ser. No. 189,556. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed Dec. 12, 1923.

SAKURA

Particular description of goods.—Toilet Paper.
Claims use since 1908.

Ser. No. 189,558. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed Dec. 12, 1923.

MAJESTIC

Particular description of goods.—Toilet Paper and Wrapping Paper.
Claims use since 1898.

Ser. No. 189,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY FARM BUREAU FRUIT ASSOCIATION, Lindsay, Calif. Filed Dec. 12, 1923.

RED HEN



Particular description of goods.—Fresh Citrous Fruits and Fresh Deciduous Fruits.
Claims use since Aug. 7, 1923.

Ser. No. 189,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUGUSTUS NORTON, Ballston Spa, N. Y. Filed Dec. 12 1923. Under ten-year proviso.

MACK'S

Particular description of goods.—Preparation for the Treatment of Corns.
Claims use since about June 1, 1893.

Ser. No. 189,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANGER FRUIT GROWERS ASSOCIATION, Sanger City, Calif. Filed Dec. 12, 1923.

ROSE

Particular description of goods.—Fresh Grapes.
Claims use since Apr. 22, 1919.

Ser. No. 189,602. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Dec. 13, 1923.

MAHOGANITE

Particular description of goods.—Panels and Dials for Radio Apparatus.
Claims use since July 1, 1922, for dials; since Apr. 1, 1922, for panels.

Ser. No. 189,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. BREEN, doing business as Jonizone Products Co., New York, N. Y. Filed Dec. 13, 1923.

JONIZONE

Particular description of goods.—Mouth Washes.
Claims use since about Nov. 26, 1923.

Ser. No. 189,618. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y. Filed Dec. 13, 1923.

OLEO-BI

Particular description of goods.—Preparation of Bismuth Used in the Treatment of Syphilis.
Claims use since July 14, 1923.

Ser. No. 189,619. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y. Filed Dec. 13, 1923.

TARTRO-BI

Particular description of goods.—Preparation of Bismuth Used in the Treatment of Syphilis.
Claims use since July 27, 1923.

Ser. No. 189,659. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID KLEBANOFF, Philadelphia, Pa. Filed Dec. 13, 1923.

KOFIX

Particular description of goods.—Cough Sirup.
Claims use since about Oct. 1, 1922.

Ser. No. 189,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COTTON BELT CANDY COMPANY, Charlotte, N. C. Filed Dec. 14, 1923.



Particular description of goods.—Candy.
Claims use since Aug. 15, 1923.

Ser. No. 189,665. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES M. EARL, doing business as C. M. Earl Manufacturing Chemist, Detroit, Mich. Filed Dec. 14, 1923

PURPLE NARCISSE

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since August, 1923.

Ser. No. 189,672. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Dec 14, 1923.

HOUGHTON'S

DRAW TEMP

Particular description of goods.—Compounds for Use in the Drawing and Tempering of Steel.
Claims use since about May, 1923.

Ser. No. 189,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Dec. 14, 1923.

HOUGHTON'S

LIQUID HEAT

Particular description of goods.—Compounds for Use in the Reheating of Steel.
Claims use since about May, 1923.

Ser. No. 189,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS A. INMAN, doing business as Inman & Harris Co., St. Cloud, Minn. Filed Dec. 14, 1923.

"I & H"

Particular description of goods.—Liniment.
Claims use since Nov. 2, 1921.

Ser. No. 189,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNINGS MANUFACTURING CO., doing business as Jennings, Perfumer, Grand Rapids, Mich. Filed Dec. 14, 1923.

MA JOIE

Particular description of goods.—Perfumes, Toilet Waters, Sachets, Face Powders, Face Creams, Talcums, Compact Powders, and Rouges.
Claims use since Nov. 22, 1923.

Ser. No. 189,686. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENINSULAR CHEMICAL CO., Orlando, Fla. Filed Dec. 14, 1923.

EMULSO

Particular description of goods.—Insecticides and Fungicides.
Claims use since Oct. 1, 1923.

Ser. No. 189,691. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONALD PRESS COMPANY, New York, N. Y. Filed Dec. 14, 1923.

MANAGEMENT AND ADMINISTRATION

Particular description of goods.—Monthly Magazine.
Claims use since on or about June 25, 1923.

Ser. No. 189,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. ARCHIBALD, Jr., doing business as Coastwise Mercantile Co., San Francisco, Calif. Filed Dec. 15, 1923.

C W M C

Particular description of goods.—Canned Fruits and Vegetables and Dried Fruits.
Claims use since July 1, 1923.

Ser. No. 189,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO E. HOUSER, California, Mo. Filed Dec. 15, 1923.



Particular description of goods.—Rodent Poison.
Claims use since Sept. 21, 1923.

Ser. No. 189,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. J. THORNTON & Co., Louisville, Ky. Filed Dec. 15, 1923.

BROWN HOTEL



Particular description of goods.—Coffee.
Claims use since Oct. 1, 1923.

Ser. No. 189,743. (CLASS 43. THREAD AND YARN.) W. WARREN THREAD WKS., Westfield, Mass. Filed Dec. 15, 1923.

LYRIC

Particular description of goods.—Spool Cotton.
Claims use since 1908.

Ser. No. 189,764. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill. Filed Dec. 17, 1923.



No claim is made to the use of the words "Manufacturers," "Inventors," and "Dealers" apart from the mark shown. The lining expresses shading.
Particular description of goods.—Dairy, Creamery, Milk-Plant, Cheese-Factory, and Ice-Cream-Factory Appliances, Comprising Milk Weighers, Cream Weighers, Milk Testers, Cream Testers, Ice-Cream-Batch Measurers, and Butter Testers.
Claims use since about May 1, 1908.

Ser. No. 189,765. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill. Filed Dec. 17, 1923.



The lining expresses shading.

Particular description of goods.—Dairy, Creamery, Milk-Plant, Cheese-Factory, and Ice-Cream-Factory Appliances, Comprising Milk Weighers, Cream Weighers, Milk Testers, Cream Testers, Ice-Cream-Batch Measurers, and Butter Testers.

Claims use since about May 1, 1908.

Ser. No. 189,766. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill. Filed Dec. 17, 1923.



Particular description of goods.—Dairy, Creamery, Milk-Plant, Cheese-Factory, and Ice-Cream-Factory Appliances, Comprising Milk Weighers, Cream Weighers, Milk Testers, Cream Testers, Ice-Cream-Batch Measurers, and Butter Testers.

Claims use since about May 1, 1908.

Ser. No. 189,780. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed Dec. 17, 1923.

TORPEDO

Particular description of goods.—Gasoline, Motor Oil, Distillate, Kerosene, Fuel Oil, and Stove Oil.

Claims use since July 1, 1923.

Ser. No. 189,983. (CLASS 38. PRINTS AND PUBLICATIONS.) FREDRIK LINDSKOG, New York, N. Y. Filed Dec. 21, 1923.

A. B. C.

Particular description of goods.—Railway-Time-Table Guides.

Claims use since Dec. 14, 1923.

Ser. No. 190,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BASARAT HUNTO, Philadelphia, Pa. Filed Dec. 22, 1923.



The mark consists of a photograph of applicant.

Particular description of goods.—Preparation for Dandruff and Moistening the Hair.

Claims use since Nov. 5, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 5, 1924.

178,984. LIQUIDS, POWDERS, AND PASTES FOR CLEANING OR SCOURING PURPOSES. SOCIÉTÉ ANONYME DES PRODUITS DU LION NOIR, Montrouge, near Paris, France.
Filed May 17, 1919. Serial No. 118,614. PUBLISHED NOVEMBER 13, 1923.

178,985. ADHESIVE CEMENTS FOR UNITING VARIOUS MATERIALS AND ARTICLES. MCCAW, STEVENSON & ORR, LTD., Belfast, Ireland.
Filed January 6, 1921. Serial No. 141,922. PUBLISHED NOVEMBER 13, 1923.

178,986. ONE AND TWO PIECE KNIT UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. ROBERT ABLETT & CO., INC., Whitesboro, N. Y.
Filed April 26, 1921. Serial No. 146,750. PUBLISHED NOVEMBER 13, 1923.

178,987. OVERALLS, JACKETS, WORK SHIRTS, FLANNEL SHIRTS, TROUSERS, AND AUTO COMBINATION SUITS. JEFFERSON MANUFACTURING COMPANY, Jefferson City, Mo.
Filed June 28, 1921. Serial No. 149,753. PUBLISHED NOVEMBER 6, 1923.

178,988. CREAMERY BUTTER. GREENDALE DAIRY, North Adams, Mich.
Filed October 11, 1921. Serial No. 153,974. PUBLISHED NOVEMBER 6, 1923.

178,989. PREPARED, POWDERED, AND SKIMMED MILK FOR BAKERS' AND CONFECTIONERS' USE. THE INTERNATIONAL COMPANY, Baltimore, Md.
Filed February 14, 1922. Serial No. 159,318. PUBLISHED NOVEMBER 13, 1923.

178,990. POULTRY FOODS—NAMELY, POULTRY MASH, SCRATCH FOODS, GROWING FOOD, AND DEVELOPING FOOD. FRED D. WIKOFF COMPANY, Red Bank, N. J.
Filed February 21, 1922. Serial No. 159,675. PUBLISHED NOVEMBER 6, 1923.

178,991. NOODLES, VERMICELLI, AND SIMILAR PASTE PRODUCTS. THE PFAFFMANN EGG NOODLE COMPANY, Cleveland, Ohio.
Filed March 13, 1922. Serial No. 160,633. PUBLISHED NOVEMBER 13, 1923.

178,992. PHARMACEUTICAL PREPARATIONS AND TOILET ARTICLES. MABEL L. MURATA, New York, N. Y.
Filed March 15, 1922. Serial No. 160,715. PUBLISHED NOVEMBER 6, 1923.

178,993. CANDIES. ALTON L. MILLER, doing business as Charles N. Miller Co., Boston, Mass.
Filed April 19, 1922. Serial No. 162,561. PUBLISHED NOVEMBER 13, 1923.

178,994. HOT-WATER BOTTLES. RICHARD PALMER, New York, N. Y.
Filed April 19, 1922. Serial No. 162,570. PUBLISHED NOVEMBER 6, 1923.

178,995. SALTED PEANUTS (JUMBOS), SALTED PEANUTS (SPLITS), SALTED PEANUTS (SPANISH), AND PEANUT BUTTER. DAVIS & LAMB, Newburyport, Mass.
Filed May 5, 1922. Serial No. 163,382. PUBLISHED NOVEMBER 13, 1923.

178,996. WHEAT FLOUR. SAM LEVENSON, Newark, N. J.
Filed May 5, 1922. Serial No. 163,404. PUBLISHED NOVEMBER 6, 1923.

178,997. ZINC OXIDE. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed May 17, 1922. Serial No. 163,975. PUBLISHED NOVEMBER 13, 1923.

178,998. AUTOMOBILE FAN BELTS MADE OF EITHER FABRIC OR RUBBERIZED FABRIC. TEUSCHER & SON MACHINERY SUPPLY CO., St. Louis, Mo.
Filed May 8, 1922. Serial No. 163,553. PUBLISHED NOVEMBER 13, 1923.

178,999. ICE-MANUFACTURING MACHINES AND PARTS THEREOF. CHEMICAL MACHINERY EXPERIMENT CO. INC., New York, N. Y.
Filed May 25, 1922. Serial No. 164,490. PUBLISHED NOVEMBER 6, 1923.

179,000. TABLES AND OTHER FORMS OF SUPPORTS FOR HOLDING OR SUPPORTING ELECTRIC HEATING APPLIANCES, SUCH AS TOASTERS, WAFFLE IRONS, PERCOLATORS, AND ELECTRIC STOVES. C. B. WORTHEN CO., Cleveland, Ohio.
Filed June 8, 1922. Serial No. 165,220. PUBLISHED NOVEMBER 13, 1923.

179,001. BREAD AND CAKE. THE CORBY BAKING COMPANY, INC., Washington, D. C.
Filed July 24, 1922. Serial No. 167,294. PUBLISHED NOVEMBER 6, 1923.

179,002. PAPER AND STATIONERY. WILLIAM A. WELSH, Riverton, N. J., and Philadelphia, Pa.
Filed July 3, 1922. Serial No. 166,488. PUBLISHED NOVEMBER 6, 1923.

179,003. BOTTLE VARNISHES, ADHESIVE GUMS, AND SEALING WAX FOR SEALING BOTTLES. DEUTSCHE CAPSELIN- & ZINNOLITWERKE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Hamburg-Wandsbek, Germany.
Filed July 10, 1922. Serial No. 166,661. PUBLISHED NOVEMBER 6, 1923.

179,004. HAIR SHAMPOO. ROMANO BALDASSARE AND CO., Frankfort, N. Y.
Filed June 9, 1923. Serial No. 181,717. PUBLISHED NOVEMBER 6, 1923.

179,005. KNIT UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. CORA YOST, doing business as Classy Fabrics Company, Philadelphia, Pa.
Filed June 8, 1923. Serial No. 181,712. PUBLISHED NOVEMBER 13, 1923.

179,006. COFFEE. HENRY A. SCHNITTKER, doing business as H. A. S. Coffee Company, St. Louis, Mo.
Filed June 6, 1923. Serial No. 181,621. PUBLISHED NOVEMBER 13, 1923.

179,007. COFFEE. HENRY A. SCHNITTKER, doing business as H. A. S. Coffee Company, St. Louis, Mo.
Filed June 6, 1923. Serial No. 181,619. PUBLISHED NOVEMBER 13, 1923.

179,008. COFFEE. HENRY A. SCHNITTKER, doing business as H. A. S. Coffee Company, St. Louis, Mo.
Filed June 6, 1923. Serial No. 181,618. PUBLISHED NOVEMBER 13, 1923.

179,009. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. SIMON ACKERMAN, New York, N. Y.
Filed June 6, 1923. Serial No. 181,582. PUBLISHED NOVEMBER 6, 1923.

179,010. MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. SIMON ACKERMAN, New York, N. Y.
Filed June 6, 1923. Serial No. 181,581. PUBLISHED NOVEMBER 6, 1923.

179,011. A MEDICATED SOAP USED AS A REMEDY FOR ALL SKIN DISEASES, INCLUDING ACNES, ECZEMA, SEBORRHEA, ETC. SOCIÉTÉ ANONYME DES LABORATOIRES INNOXA, Paris, France.
Filed May 29, 1923. Serial No. 181,354. PUBLISHED NOVEMBER 13, 1923.

179,012. BISCUITS. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y.
Filed May 26, 1923. Serial No. 181,200. PUBLISHED NOVEMBER 6, 1923.

179,013. CERTAIN NAMED STATIONERY. P. L. PRASS & COMPANY, INC., Lancaster, N. Y.
Filed May 21, 1923. Serial No. 180,941. PUBLISHED NOVEMBER 6, 1923.

179,014. MARMALADE. FLORENCE I. HALSEY, New York, N. Y.
Filed May 7, 1923. Serial No. 180,280. PUBLISHED NOVEMBER 13, 1923.

179,015. KNITTED AND TEXTILE FABRIC UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. TISSUPEKT UNDERWEAR COMPANY, Indianapolis, Ind.
Filed May 12, 1923. Serial No. 180,565. PUBLISHED NOVEMBER 6, 1923.

179,016. PANCAKE FLOUR MADE FROM WHEAT, CRACKED CEREAL FOOD MADE FROM CORN, CRACKED CEREAL FOOD MADE FROM WHEAT, AND GRAHAM OR WHOLE-WHEAT FLOUR. CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware.
Filed May 14, 1923. Serial No. 180,621. PUBLISHED NOVEMBER 6, 1923.

179,017. TOY ANIMALS. P. G. ATLANTIC TOY MFG. CO., New York, N. Y.
Filed May 18, 1923. Serial No. 180,808. PUBLISHED NOVEMBER 13, 1923.

179,018. PHONOGRAPH CABINETS, DOWER CHESTS, CEDAR CHESTS, SEATS FOR SCHOOLS, CHURCHES, AUDITORIUMS, AND PUBLIC PLACES. THE THEODOR KUNDTS COMPANY, Cleveland, Ohio.
Filed April 19, 1923. Serial No. 178,929. PUBLISHED NOVEMBER 13, 1923.

179,019. MEN'S, WOMEN'S, AND CHILDREN'S GARMENTS—NAMELY, SUITS OF CLOTHES, DRESSES, COATS, AND KNITTED UNDERWEAR. WILH. BLEYLE, G. M. B. H., Stuttgart, Germany.
Filed April 18, 1923. Serial No. 179,292. PUBLISHED NOVEMBER 6, 1923.

179,020. EMPTY BAGS OR NETS FOR CONTAINING LAUNDRY. GEORGE W. WOODRUFF, doing, business as Woodruff Manufacturing Co., Winder, Ga.
Filed April 19, 1923. Serial No. 179,388. PUBLISHED NOVEMBER 13, 1923.

179,021. CERTAIN NAMED CLOTHING. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed April 26, 1923. Serial No. 179,689. PUBLISHED NOVEMBER 6, 1923.

179,022. WHEAT FLOUR. BERNET, CRAFT & KAUFFMAN MILLING CO., St. Louis, Mo.
Filed April 30, 1923. Serial No. 179,924. PUBLISHED NOVEMBER 6, 1923.

179,023. GARMENT-HANGING FIXTURES FOR CLOSETS, WARDROBES, AND THE LIKE. LAWSON MANUFACTURING COMPANY, Chicago, Ill.
Filed May 4, 1923. Serial No. 180,186. PUBLISHED NOVEMBER 20, 1923.

179,024. TWINES FOR FISHING NETS. STUARTS & JACKS, LIMITED, Musselburgh, Scotland.
Filed March 29, 1923. Serial No. 178,301. PUBLISHED NOVEMBER 13, 1923.

179,025. PRESERVED FRUIT FOR ICE CREAM AND ICES. KEYSTONE FRUIT PRODUCTS COMPANY, Cincinnati, Ohio.
Filed March 17, 1923. Serial No. 177,608. PUBLISHED NOVEMBER 6, 1923.

179,026. SOAP STOCK. THE AMERICAN COTTON OIL COMPANY, Union Township, near Guttenberg, N. J.
Filed March 15, 1923. Serial No. 177,466. PUBLISHED NOVEMBER 13, 1923.

179,027. OVERCOATS AND TOPCOATS. HICKEY-FREEMAN CO., Rochester, N. Y.
Filed March 13, 1923. Serial No. 177,378. PUBLISHED NOVEMBER 6, 1923.

179,028. MEN'S, WOMEN'S, AND CHILDREN'S WOVEN AND KNIT UNDERWEAR COMPRISING BOTH ONE AND TWO PIECE GARMENTS. LOUIS BLOCH, doing business as Louis Bloch & Co., Pittsburgh, Pa.
Filed February 15, 1923. Serial No. 176,059. PUBLISHED NOVEMBER 6, 1923.

179,029. LUBRICATING OILS. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,969. PUBLISHED NOVEMBER 6, 1923.

179,030. WHEAT FLOUR. THE ROBINSON MILLING COMPANY, Salina, Kans.
Filed February 12, 1923. Serial No. 175,946. PUBLISHED NOVEMBER 6, 1923.

179,031. BISCUITS HAVING LAXATIVE PROPERTIES. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed January 25, 1923. Serial No. 175,058. PUBLISHED NOVEMBER 6, 1923.

179,032. FOOD-FLAVORING EXTRACTS, MINCEMEAT, ALMOND PASTE, PRESERVED FRUITS, COCOA, CHOCOLATE COATING, AND SPICES. THE INTERNATIONAL COMPANY, Baltimore, Md.
Filed January 24, 1923. Serial No. 175,016. PUBLISHED NOVEMBER 13, 1923.

179,033. INFANTS' AND INVALIDS' FOOD. JOSEPH NATHAN & CO. LIMITED, London, England.
Filed January 13, 1923. Serial No. 174,587. PUBLISHED NOVEMBER 13, 1923.

179,034. HOSIERY. WEILER & PENDLETON, Baltimore, Md.
Filed December 30, 1922. Serial No. 174,049. PUBLISHED NOVEMBER 6, 1923.

179,035. SOFT DRINKS AND SIRUPS. THE LYONS BROS. CO., doing business as The Cheery Tip Co., Dallas, Tex.
Filed December 1, 1922. Serial No. 172,751. PUBLISHED NOVEMBER 27, 1923.

179,036. LUBRICATING OILS AND GASOLINE. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed November 20, 1922. Serial No. 172,300. PUBLISHED NOVEMBER 6, 1923.

179,037. RAISINS. SUN MAID RAISIN GROWERS, Fresno, Calif., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif., a Co-operative Association of California.
Filed October 23, 1922. Serial No. 171,108. PUBLISHED NOVEMBER 13, 1923.

179,038. A CHECKER-GAME COUPON PUNCH BOARD. JULIUS D'ORIO, doing business as Advertoshare Co., Highgrove, Calif.
Filed October 18, 1922. Serial No. 170,872. PUBLISHED NOVEMBER 13, 1923.

179,039. PNEUMATIC TIRES AND TUBES. HARRY C. HOWER, Chicago, Ill.
Filed September 23, 1922. Serial No. 169,854. PUBLISHED NOVEMBER 13, 1923.

179,040. HOSIERY. SCOT KNIT HOSIERY CO., Harrisburg, Pa.
Filed September 18, 1922. Serial No. 169,652. PUBLISHED NOVEMBER 13, 1923.

179,041. PERFUME AND INCENSE. THE KWUSH-RU COMPANY, Los Angeles, Calif.
Filed September 15, 1922. Serial No. 169,486. PUBLISHED NOVEMBER 13, 1923.

179,042. ROPES, CORDS, AND TWINE MADE OF FIBER. NEW YORK NET & TWINE CO., Moodus, Conn.
Filed August 11, 1922. Serial No. 168,120. PUBLISHED NOVEMBER 6, 1923.

179,043. HARD FATS AND COTTONSEED OILS. THE AMERICAN COTTON OIL COMPANY, New York, N. Y.
Filed April 2, 1923. Serial No. 178,425. PUBLISHED NOVEMBER 13, 1923.

179,044. PHARMACEUTICAL PREPARATION—NAMELY, STOMACHIC TONIC AND SYSTEM REGULATOR. HENRY C. THORBURN, doing business as Drug Products, Inc., Atlanta, Ga.
Filed August 30, 1923. Serial No. 185,193. PUBLISHED NOVEMBER 13, 1923.

179,045. HOSIERY. HANES HOSIERY MILLS CO., Winston-Salem, N. C.
Filed August 31, 1923. Serial No. 185,220. PUBLISHED NOVEMBER 6, 1923.

179,046. DRESSES. SYDNEY MOSES, New York, N. Y.
Filed August 31, 1923. Serial No. 185,227. PUBLISHED NOVEMBER 6, 1923.

179,047. DRESSES. SYDNEY MOSES, New York, N. Y.
Filed August 31, 1923. Serial No. 185,226. PUBLISHED NOVEMBER 6, 1923.

179,048. LADIES' WRAPS AND GOWNS. PERMAN'S GOWNS, INC., New York, N. Y.
Filed September 6, 1923. Serial No. 185,376. PUBLISHED NOVEMBER 6, 1923.

179,049. FRESH ASPARAGUS. VEGETABLE EXCHANGE OF CALIFORNIA, INC., San Francisco, Calif.
Filed September 10, 1923. Serial No. 185,637. PUBLISHED NOVEMBER 13, 1923.

179,050. HOSIERY. BRITISH INTERNATIONAL CORPORATION, New York, N. Y.
Filed September 7, 1923. Serial No. 185,408. PUBLISHED NOVEMBER 6, 1923.

179,051. FRESH GRAPES. FREEDMAN & ENGELMAN, Fresno, Calif.
Filed September 11, 1923. Serial No. 185,654. PUBLISHED NOVEMBER 13, 1923.

179,052. FRESH APPLES. NORTH PACIFIC MORTGAGE COMPANY, Seattle, Wash.
Filed September 11, 1923. Serial No. 185,668. PUBLISHED NOVEMBER 13, 1923.

179,053. FRESH VEGETABLES. OSBORNE FRUIT & VEGETABLE COMPANY, Fullerton, Calif.
Filed September 11, 1923. Serial No. 185,669. PUBLISHED NOVEMBER 13, 1923.

179,054. FRESH APPLES. RESETAR BROS., Watsonville, Calif.
Filed September 11, 1923. Serial No. 185,675. PUBLISHED NOVEMBER 13, 1923.

179,055. FRESH AND DEHYDRATED DATES, ALSO DATES PUT UP IN GLASS UNDER VACUUM AFTER PROCESSING. THE TROPICAL DATE COMPANY, Thermal, Calif.
Filed September 11, 1923. Serial No. 185,681. PUBLISHED NOVEMBER 13, 1923.

179,056. VEGETABLE SHORTENING. ALBERTO VALES COMPANY, New Orleans, La.
Filed September 12, 1923. Serial No. 185,686. PUBLISHED NOVEMBER 13, 1923.

179,057. CANNED FRUITS AND VEGETABLES. BERSEMYER-WAGGONER, INC., Los Angeles, Calif.
Filed September 12, 1923. Serial No. 185,688. PUBLISHED NOVEMBER 13, 1923.

179,058. CANNED FRUITS AND VEGETABLES. BERSEMITER-WAGGONER, INC., Los Angeles, Calif.
Filed September 12, 1923. Serial No. 185,689. PUBLISHED NOVEMBER 13, 1923.

179,059. FRUIT CONCENTRATE (A FRUIT PASTE). F. E. BOOTH CO., San Francisco, Calif.
Filed September 12, 1923. Serial No. 185,690. PUBLISHED NOVEMBER 13, 1923.

179,060. WOODEN TOOTHPICKS. INTERNATIONAL MFG. CO., Phillips, Me.
Filed September 12, 1923. Serial No. 185,708. PUBLISHED NOVEMBER 6, 1923.

179,061. CERTAIN LEVERS, LATCHES, CATCHES, FASTENERS, BOLTS, AND LOCKS. GREENE TWEED & CO., New York, N. Y., and Newark, N. J.
Filed September 17, 1923. Serial No. 185,868. PUBLISHED NOVEMBER 13, 1923.

179,062. WASTE BASKETS. BARLOW BROTHERS, Grand Rapids, Mich.
Filed September 13, 1923. Serial No. 185,738. PUBLISHED NOVEMBER 13, 1923.

179,063. FRESH GRAPES. TIPTON FRUIT GROWERS ASSN., Tipton, Calif.
Filed September 12, 1923. Serial No. 185,731. PUBLISHED NOVEMBER 13, 1923.

179,064. ZINC OXIDE. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed September 26, 1923. Serial No. 186,226. PUBLISHED NOVEMBER 13, 1923.

179,065. SHEET STEEL. MILWAUKEE ROLLING MILL COMPANY, Greenfield, Wis.
Filed September 17, 1923. Serial No. 185,874. PUBLISHED NOVEMBER 13, 1923.

179,066. FRESH GRAPES. STARRY, YOUNG & WAY, Exeter, Calif.
Filed September 12, 1923. Serial No. 185,725. PUBLISHED NOVEMBER 13, 1923.

179,067. CASTOR OIL. THE BARTLETT CORPORATION, Philadelphia, Pa.
Filed June 11, 1923. Serial No. 181,810. PUBLISHED NOVEMBER 6, 1923.

179,068. FOOT POWDERS. JAMES V. RYBACK, doing business as J. V. Ryback's Laboratory, Philadelphia, Pa.
Filed June 9, 1923. Serial No. 181,781. PUBLISHED NOVEMBER 6, 1923.

179,069. A PREPARATION FOR IMPARTING A GLOSSY APPEARANCE TO THE HAIR. ROBERT H. CROMWELL, doing business as Normany Products Co., Los Angeles, Calif.
Filed June 9, 1923. Serial No. 181,734. PUBLISHED NOVEMBER 6, 1923.

179,070. PRESERVED, CANNED, AND BOTTLED FRUITS AND CANNED VEGETABLES. CHASE & CO., Jacksonville, Fla.
Filed June 9, 1923. Serial No. 181,727. PUBLISHED NOVEMBER 6, 1923.

179,071. A MEDICINAL PREPARATION FOR THE STOMACH AND NERVES. TRYALAX MANUFACTURING CO., Philadelphia, Pa.
Filed June 9, 1923. Serial No. 181,790. PUBLISHED NOVEMBER 6, 1923.

179,072. PREPARATION FOR REMOVING FRECKLES. MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer and Marguerite Sullivan, both of Philadelphia, Pa., trading as Domino House, Philadelphia, Pa.
Filed July 13, 1923. Serial No. 183,175. PUBLISHED NOVEMBER 13, 1923.

179,073. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. U. S. PURE DRUG LABORATORIES, Cincinnati, Ohio.
Filed July 12, 1923. Serial No. 183,180. PUBLISHED NOVEMBER 13, 1923.

179,074. SHAMPOO. ROLAND I. PADDON, Chicago, Ill. Filed July 12, 1923. Serial No. 183,120. PUBLISHED NOVEMBER 13, 1923.

179,075. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. HY-PURE LABORATORIES, Cincinnati, Ohio. Filed July 12, 1923. Serial No. 183,115. PUBLISHED NOVEMBER 13, 1923.

179,076. PERFUME. CAROLYN TOMLINSON DARE, Atlantic City, N. J. Filed July 12, 1923. Serial No. 183,098. PUBLISHED NOVEMBER 13, 1923.

179,077. COMPOUND FOR TREATING COLDS AND INFLUENZA AND FOR TREATING COLIC IN LIVE STOCK. JESSIE J. ENHELDER, Fresno, Calif. Filed July 11, 1923. Serial No. 183,057. PUBLISHED NOVEMBER 13, 1923.

179,078. FACIAL CLAY, CLEANSING CRÈME AND TISSUE CRÈME. JOHN C. PICKETT, doing business as John C. Pickett & Co., Somerville, Mass. Filed July 11, 1923. Serial No. 183,083. PUBLISHED NOVEMBER 13, 1923.

179,079. PREPARATION FOR THE TREATMENT OF TOOTHACHE. JAMES L. CASE, doing business as Eutaw Chemical Co., Boston, Mass. Filed July 12, 1923. Serial No. 183,094. PUBLISHED NOVEMBER 13, 1923.

179,080. PERFUME. JAPANESE PERFUME CO., New York, N. Y. Filed June 30, 1923. Serial No. 182,660. PUBLISHED NOVEMBER 13, 1923.

179,081. SHAMPOO OIL. ROMAN INC., Boston, Mass. Filed June 30, 1923. Serial No. 182,674. PUBLISHED NOVEMBER 13, 1923.

179,082. AN OINTMENT OR SALVE. WESTERN WHOLESALE DRUG CO., also doing business as R. H. Brown & Co., Los Angeles, Calif. Filed June 29, 1923. Serial No. 182,635. PUBLISHED NOVEMBER 13, 1923.

179,083. ANTISEPTIC AND HEALING OINTMENT. EIMER & AMEND, New York, N. Y. Filed June 27, 1923. Serial No. 182,504. PUBLISHED NOVEMBER 13, 1923.

179,084. PREPARATION FOR THE TREATMENT OF HEADACHE, NEURALGIA, ETC. GILBERT BROS. & Co., INC., Baltimore, Md. Filed June 27, 1923. Serial No. 182,511. PUBLISHED NOVEMBER 13, 1923.

179,085. REMEDIES FOR COUGH-PRODUCING AFFECTIONS AND COLDS. WESCOE LABORATORIES, Atlantic City, N. J. Filed June 29, 1923. Serial No. 182,633. PUBLISHED NOVEMBER 13, 1923.

179,086. HEALING SALVE. THE GERM-O-SALV COMPANY, Searcy, Ark. Filed June 22, 1923. Serial No. 182,342. PUBLISHED NOVEMBER 13, 1923.

179,087. TOILET PREPARATIONS. MAURICE J. LANGDON, Boston, Mass. Filed June 26, 1923. Serial No. 182,474. PUBLISHED NOVEMBER 13, 1923.

179,088. WATER NEUTRALIZER, SCALE REMOVER, AND SCALE PREVENTIVE FOR BOILERS. PERC EDWARDS, doing business as Standard Engineering & Lubricating Co., New York, N. Y. Filed June 20, 1923. Serial No. 182,238. PUBLISHED NOVEMBER 13, 1923.

179,089. STOVE POLISH. C. M. KIMBALL COMPANY, Winthrop, Mass. Filed May 26, 1923. Serial No. 181,192. PUBLISHED NOVEMBER 13, 1923.

179,090. CLEANING AND WASHING COMPOUND HAVING INCIDENTAL WATER-SOFTENING PROPERTIES. DETROIT SODA PRODUCTS CO., Detroit, Mich. Filed June 9, 1923. Serial No. 181,787. PUBLISHED NOVEMBER 13, 1923.

179,091. VITAMINE TONIC IN TABLET FORM. ELKINS MEDICINE CO., Philadelphia, Pa. Filed June 18, 1923. Serial No. 182,143. PUBLISHED NOVEMBER 13, 1923.

179,092. CANDY. BINGHAMTON CANDY CO., Binghamton, N. Y. Filed August 11, 1923. Serial No. 184,318. PUBLISHED NOVEMBER 13, 1923.

179,093. SOAPS AND SHAVING CREAMS IN THE FORM OF SOAP CREAMS. PALMERS, LIMITED, doing business as Minty, Montreal, Quebec, Canada. Filed August 10, 1923. Serial No. 184,291. PUBLISHED NOVEMBER 13, 1923.

179,094. KNITTED UNDERWEAR FOR CHILDREN. LITTLE FALLS MANUFACTURING COMPANY, New York, N. Y. Filed August 10, 1923. Serial No. 184,288. PUBLISHED NOVEMBER 6, 1923.

179,095. FABRIC AND LEATHER WORK GLOVES, PANTS, OVERALLS, MEN'S HATS AND CAPS. LESTER C. BUSH, Columbus, Ohio. Filed August 9, 1923. Serial No. 184,232. PUBLISHED NOVEMBER 6, 1923.

179,096. NECKTIES. BERKSON & MODJESKA, Chicago, Ill. Filed August 9, 1923. Serial No. 184,231. PUBLISHED NOVEMBER 6, 1923.

179,097. LUBRICATING OILS AND GASOLINE. SWENEY GASOLINE & OIL CO., Peoria, Ill. Filed August 8, 1923. Serial No. 184,221. PUBLISHED NOVEMBER 6, 1923.

179,098. COFFEE. THE KELLUM COMPANY, Kansas City, Mo. Filed August 6, 1923. Serial No. 184,135. PUBLISHED NOVEMBER 13, 1923.

179,099. CANDY. TENNESSEE BISCUIT CO., Nashville, Tenn. Filed August 1, 1923. Serial No. 183,951. PUBLISHED NOVEMBER 13, 1923.

179,100. POTATOES IN THEIR NATURAL STATE. NIX PRODUCE COMPANY, Hastings, Fla. Filed July 31, 1923. Serial No. 183,884. PUBLISHED NOVEMBER 13, 1923.

179,101. LIQUID DENTIFRICE AND LIQUID CREAM DENTIFRICE. SOLVORA, INC., New York, N. Y. Filed July 28, 1923. Serial No. 183,805. PUBLISHED NOVEMBER 20, 1923.

179,102. LIQUID FERTILIZERS. HENRY J. TAUBERT, Brighton, Mass. Filed July 28, 1923. Serial No. 183,807. PUBLISHED NOVEMBER 6, 1923.

179,103. CANNED CORN. IOWA CITY CANNING CO., Iowa City, Iowa. Filed July 26, 1923. Serial No. 183,710. PUBLISHED NOVEMBER 13, 1923.

179,104. FRESH FRUITS AND FRESH VEGETABLES—NAMELY, ORANGES, LEMONS, CANTALOUPES, LETTUCE, AND FRESH TOMATOES. PHIL WARNER & SON, also doing business as Phil Warner, Los Angeles, Calif. Filed July 20, 1923. Serial No. 183,510. PUBLISHED NOVEMBER 13, 1923.

179,105. SOAP. JOHN C. WOLFORD, Newark, Ohio. Filed July 19, 1923. Serial No. 183,461. PUBLISHED NOVEMBER 13, 1923.

179,106. MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALLS MADE OF DRILL AND DENIM MATERIALS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed July 18, 1923. Serial No. 183,405. PUBLISHED NOVEMBER 6, 1923.

179,107. CALCIMINES IN DRY POWDER FORM. THE MURALO COMPANY, INC., New Brighton, N. Y. Filed July 18, 1923. Serial No. 183,397. PUBLISHED NOVEMBER 13, 1923.

179,108. ENAMEL PAINT. C. A. WOOLSEY PAINT & COLOR COMPANY, Jersey City, N. J. Filed July 16, 1923. Serial No. 183,326. PUBLISHED NOVEMBER 6, 1923.

179,109. LIQUID, HARD, OR SOFT SOAP. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill. Filed July 16, 1923. Serial No. 183,277. PUBLISHED NOVEMBER 13, 1923.

179,110. REFRIGERATORS. JOSEPH ELKIN, Omaha, Nebr. Filed July 16, 1923. Serial No. 183,264. PUBLISHED NOVEMBER 6, 1923.

179,111. CRAYONS, CRAYON HOLDERS, PENCILS, PENHOLDERS, PENS, RUBBER ERASERS, AND WRITING PAPER. SOCIETE ANONYME "CRAYONS CONTE", Regny and Paris, France. Filed July 7, 1923. Serial No. 182,938. PUBLISHED NOVEMBER 6, 1923.

179,112. POLISHES FOR PAINTED, VARNISHED WAXED, AND SIMILAR SURFACES. WINDSOR POLISH CO., Windsor, Vt. Filed August 22, 1923. Serial No. 184,883. PUBLISHED NOVEMBER 13, 1923.

179,113. BILLIARD CUSHIONS. WILLIAM A. SPINKS & COMPANY, Chicago, Ill. Filed August 22, 1923. Serial No. 184,874. PUBLISHED NOVEMBER 6, 1923.

179,114. ELECTRONIC MEDICAL APPARATUS. CHARLES WATSON SIDNEY, doing business as Electronic Equipment Company, Jacksonville, Fla. Filed August 22, 1923. Serial No. 184,873. PUBLISHED NOVMBER 13, 1923.

179,115. GINGER ALE, SARSAPARILLA, AND ROOT BEER. JOHN FRIEDRICH, Philadelphia, Pa. Filed August 22, 1923. Serial No. 184,818. PUBLISHED NOVEMBER 6, 1923.

719,116. CRAVATS AND NECKTIES. CHENEY BROTHERS, South Manchester, Conn. Filed August 22, 1923. Serial No. 184,814. PUBLISHED NOVEMBER 13, 1923.

179,117. CERTAIN NAMED CLOTHING. BERNHARD ULMANN CO., INC., New York, N. Y. Filed August 18, 1923. Serial No. 184,699. PUBLISHED NOVEMBER 13, 1923.

179,118. GOLF CLUBS. A. G. SPALDING & BROS., New York, N. Y. Filed August 15, 1923. Serial No. 184,527. PUBLISHED NOVEMBER 13, 1923.

179,119. TOILET PAPER. ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed August 17, 1923. Serial No. 184,576. PUBLISHED NOVEMBER 13, 1923.

179,120. ELECTRICAL APPLIANCES AND ATTACHMENTS THERETO FOR THE PURPOSE OF TREATMENT OF DISEASES AND THEIR DIAGNOSIS. PHYSICIANS ELECTRONIC SUPPLY CO., Los Angeles, Calif. Filed August 17, 1923. Serial No. 184,622. PUBLISHED NOVEMBER 13, 1923.

179,121. HOSIERY AND FABRIC AND KNITTED UNDERSHIRTS. FORNS & PLA, New York, N. Y. Filed August 18, 1923. Serial No. 184,662. PUBLISHED NOVEMBER 13, 1923.

179,122. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed August 15, 1923. Serial No. 184,518. PUBLISHED NOVEMBER 6, 1923.

179,123. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed August 15, 1923. Serial No. 184,519. PUBLISHED NOVEMBER 6, 1923.

179,124. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed August 15, 1923. Serial No. 184,524. PUBLISHED NOVEMBER 6, 1923.

179,125. POWDER FOR CLEANSING THE HANDS AND A PREPARATION FOR REMOVING STAINS FROM THE HANDS. JOHN D. LA CROIX, Vincennes, Ind. Filed August 13, 1923. Serial No. 184,408. PUBLISHED NOVEMBER 13, 1923.

179,126. METAL PIPE COUPLINGS, METAL PIPES, METAL TUBES, AND METAL CASINGS. NATIONAL TUBE COMPANY, Pittsburgh, Pa. Filed August 13, 1923. Serial No. 184,415. PUBLISHED NOVEMBER 13, 1923.

179,127. CORSETS, GIRDLES, DRESSES, CORSET WAISTS, BRASSIÈRES, BANDEAUX; LADIES', MISSES', and GIRLS' SILK, LINEN, AND MUSLIN UNDERWEAR. HOCHSCHILD, KOHN & CO., INC., Baltimore, Md. Filed August 14, 1923. Serial No. 184,450. PUBLISHED NOVEMBER 6, 1923.

179,128. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS., New York, N. Y. Filed August 14, 1923. Serial No. 184,470. PUBLISHED NOVEMBER 6, 1923.

179,129. MEN'S DRESS SHIRTS. MURRAY RABINOW, New York, N. Y. Filed August 15, 1923. Serial No. 184,516. PUBLISHED NOVEMBER 6, 1923.

179,130. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis. Filed August 11, 1923. Serial No. 184,359. PUBLISHED NOVEMBER 13, 1923.

179,131. SOFT DRINKS AND SIRUPS. CHAS. HENRY BUTLER, doing business as Blenheim Club Bottling Co., Blenheim, S. C. Filed August 30, 1923. Serial No. 185,173. PUBLISHED NOVEMBER 6, 1923.

179,132. PERFUMES. SOCIETE GUERLAIN, Paris, France. Filed July 27, 1923. Serial No. 183,775. PUBLISHED NOVEMBER 13, 1923.

179,133. LIP STICKS. SOCIETE GUERLAIN, Paris, France. Filed July 27, 1923. Serial No. 183,772. PUBLISHED NOVEMBER 13, 1923.

179,134. PERFUMES. SOCIETE GUERLAIN, Paris, France. Filed July 27, 1923. Serial No. 183,774. PUBLISHED NOVEMBER 13, 1923.

179,135. CHEMICAL SUBSTANCES USED IN THE MANUFACTURES, ANTICORROSIVES, AND DRUG FOR USE IN CONNECTION WITH THE VULCANIZATION OF RUBBER. TOM HARTLEY ROBERTS, Reigate, England. Filed July 27, 1923. Serial No. 183,760. PUBLISHED NOVEMBER 13, 1923.

179,136. PERFUMES. SOCIETE GUERLAIN, Paris, France. Filed July 27, 1923. Serial No. 183,765. PUBLISHED NOVEMBER 13, 1923.

179,137. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,771. PUBLISHED NOVEMBER 13, 1923.

179,138. HAIR-DRESSING PREPARATION. CHARLES E. BONYATA, doing business as The Bonyata Chemical Company, Grinnell, Iowa.
Filed July 26, 1923. Serial No. 183,680. PUBLISHED NOVEMBER 13, 1923.

179,139. AGGLOMERATES OF SOLID ALDEHYDE, SOLID METHYL ALCOHOL, AND SOLID ETHYL ALCOHOL FOR HEATING AND LIGHTING PURPOSES. ELEKTRIZITÄTSWERK LONZA, Gampel and Basel, Switzerland.
Filed July 26, 1923. Serial No. 183,699. PUBLISHED NOVEMBER 13, 1923.

179,140. OINTMENT. C. V. FORSHAG & Co., Franklinton, La.
Filed July 26, 1923. Serial No. 183,701. PUBLISHED NOVEMBER 13, 1923.

179,141. PREPARATION FOR RHEUMATISM, SPRAINS, STIFF JOINTS, CUTS, BRUISES, AND INSECT BITES. THE LINITANE COMPANY, Syracuse, N. Y.
Filed July 27, 1923. Serial No. 183,751. PUBLISHED NOVEMBER 13, 1923.

179,142. SHAMPOO. ALBERT NOLL, doing business as The Noll Company, Cambridge, Mass.
Filed July 27, 1923. Serial No. 183,757. PUBLISHED NOVEMBER 13, 1923.

179,143. TOILET POWDER. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 28, 1923. Serial No. 183,579. PUBLISHED NOVEMBER 13, 1923.

179,144. DIASTATIC PREPARATION USED FOR DESIZING AND DEGUMMING OF FABRICS AND FOR THE PRODUCTION OF SIZINGS AND SOLUBLE STARCHES. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed July 24, 1923. Serial No. 183,619. PUBLISHED NOVEMBER 13, 1923.

179,145. COMPOSITION FOR TREATING LEUCORRHEA. SAMUEL S. ATKINS, Springfield, Ohio.
Filed July 25, 1923. Serial No. 183,642. PUBLISHED NOVEMBER 13, 1923.

179,146. PREPARATION FOR REMOVING WRINKLES. MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer and Marguerite Sullivan, both of Philadelphia, Pa., trading as Domino House, Philadelphia, Pa.
Filed July 13, 1923. Serial No. 183,176. PUBLISHED NOVEMBER 13, 1923.

179,147. CERTAIN TOILET PREPARATIONS. GEORGE H. WEYER, St. Joseph, Mo.
Filed July 13, 1923. Serial No. 183,181. PUBLISHED NOVEMBER 13, 1923.

179,148. VARNISHES, STAINS, AND PAINT ENAMELS. GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill.
Filed July 16, 1923. Serial No. 183,273. PUBLISHED NOVEMBER 13, 1923.

179,149. ALL TYPES AND STYLES OF KEROSENE-LAMP BURNERS. GILL BROTHERS COMPANY, Steubenville, Ohio.
Filed July 20, 1923. Serial No. 183,474. PUBLISHED NOVEMBER 13, 1923.

179,150. INSECTICIDES. ERNEST GOVETT, Long Island City, N. Y.
Filed July 21, 1923. Serial No. 183,521. PUBLISHED NOVEMBER 13, 1923.

179,151. PREPARATION FOR THE TREATMENT OF SYPHILIS AND OTHER SPIROCHETAL DISEASES. BOOT'S PURE DRUG CO., LIMITED, Nottingham, England.
Filed July 23, 1923. Serial No. 183,552. PUBLISHED NOVEMBER 13, 1923.

179,152. PREPARATION OF OIL OF PINE USED DISTINCTIVELY AS A CLEANER AND REMOVER OF DIRT FROM ALL SURFACES. JAMES GALE HUBBELL, New Orleans, La., assignor to Pinene Chemical Company, Incorporated, New Orleans, La., a Corporation of Louisiana.
Filed May 25, 1923. Serial No. 181,121. PUBLISHED NOVEMBER 13, 1923.

179,153. SILVER POLISH. C. M. KIMBALL COMPANY, Winthrop, Mass.
Filed May 26, 1923. Serial No. 181,191. PUBLISHED NOVEMBER 13, 1923.

179,154. LEATHER BELTING. HARRIS E. WHITING, doing business as Whiting Leather & Belting Company, Long Island City, N. Y.
Filed April 30, 1923. Serial No. 179,978. PUBLISHED OCTOBER 30, 1923.

179,155. A PREPARED ROOFING MATERIAL. THE CONTINENTAL ROOFING & MANUFACTURING CO., Highlandtown, Baltimore, Md.
Filed May 2, 1923. Serial No. 180,052. PUBLISHED NOVEMBER 13, 1923.

179,156. BATHROOM FIXTURES, PARTICULARLY THE SEATS, COVERS, AND HINGES FOR THE SEATS AND COVERS OF TOILETS. C. F. CHURCH MANUFACTURING CO., Holyoke, Mass.
Filed May 25, 1923. Serial No. 181,111. PUBLISHED NOVEMBER 27, 1923.

179,157. MEDICATED TABLETS AND CAPSULES. WM. A. LIBBY, Milwaukee, Wis., assignor to Libby Chemical Company, West Allis, Wis., a Corporation of Wisconsin.
Filed December 26, 1922. Serial No. 173,839. PUBLISHED NOVEMBER 13, 1923.

179,158. UPHOLSTERED HOUSEHOLD FURNITURE—NAMELY, CHAIRS, ROCKERS, AND DAVENPORTS. PAN-AMERICAN FURNITURE FACTORY, INC., New Orleans, La.
Filed January 3, 1923. Serial No. 174,149. PUBLISHED MAY 22, 1923.

179,159. MEDICINE USED IN THE TREATMENT AND PROPHYLAXIS OF CANCER. GABRIEL FERMÉ, Paris, France.
Filed April 21, 1923. Serial No. 179,465. PUBLISHED NOVEMBER 13, 1923.

179,160. LEATHER SHOES. CAMMEYER, New York, N. Y.
Filed April 26, 1923. Serial No. 179,710. PUBLISHED NOVEMBER 13, 1923.

179,161. BREAD. GROCERS' BAKING COMPANY, Louisville, Ky.
Filed September 16, 1922. Serial No. 169,549. PUBLISHED SEPTEMBER 18, 1923.

179,162. PREPARATION FOR USE AS A PREVENTIVE OF RHEUMATISM AND FOR NEUTRALIZING URIC ACID. ALBERT JAMES ADAMS, New York, N. Y., assignor to Henry H. Waters, New York, N. Y.
Filed August 31, 1922. Serial No. 168,910. PUBLISHED NOVEMBER 13, 1923.

179,163. ABRASIVE PAPERS OR CLOTHS. H. H. BARTON AND SON CO. INC., Philadelphia, Pa.
Filed August 26, 1922. Serial No. 168,707. PUBLISHED NOVEMBER 13, 1923.

179,164. PAINTS OR CEMENTS IN THE NATURE OF PAINTS. ROBERT M. LUCAS, Chicago, Ill.
Filed August 11, 1922. Serial No. 168,113. PUBLISHED NOVEMBER 13, 1923.

179,165. PAINTS OR CEMENTS IN THE NATURE OF PAINTS. ROBERT M. LUCAS, Chicago, Ill.
Filed August 11, 1922. Serial No. 168,114. PUBLISHED NOVEMBER 13, 1923.

179,166. PREPARATION FOR THE TREATMENT OF TUBERCULOSIS, ASTHMA, AND HAY FEVER. J. LOUIS ROWSEY, Olive Hill, Ky.
Filed June 5, 1922. Serial No. 165,036. PUBLISHED NOVEMBER 13, 1923.

179,167. CERTAIN NAMED MEDICINAL AND TOILET PREPARATIONS. IDA B. JEFFERSON, Longview, Tex.
Filed June 6, 1922. Serial No. 165,083. PUBLISHED NOVEMBER 13, 1923.

179,168. MEDICINES USED IN THE TREATMENT OF CERTAIN DISEASES. SZALAI BÉLA, doing business as "Cito" Gyogyszer es Vegyeszeti Laboratorium, Budapest, Hungary.
Filed June 19, 1922. Serial No. 165,668. PUBLISHED NOVEMBER 13, 1923.

179,169. GENERAL TONICS. ERNEST T. WIX, doing business as Wixated Iron Co., Sioux City, Iowa
Filed July 10, 1922. Serial No. 166,729. PUBLISHED NOVEMBER 13, 1923.

179,170. READY-MIXED PAINTS AND PAINT ENAMELS. TOCH BROTHERS, New York, N. Y., assignor to Toch Brothers, Incorporated, New York, N. Y., a Corporation of New York.
Filed March 31, 1922. Serial No. 161,590. PUBLISHED NOVEMBER 13, 1923.

179,171. PAINTS IN READY-MIXED OR PASTE FORM AND PAINT ENAMELS. TOCH BROTHERS, New York, N. Y., assignor to Toch Brothers, Incorporated New York, N. Y., a Corporation of New York.
Filed March 31, 1922. Serial No. 161,591. PUBLISHED NOVEMBER 13, 1923.

179,172. SANDWICHES. ALEXANDER BROOKS, doing business as A. Brooks Company, San Francisco Calif.
Filed October 9, 1922. Serial No. 170,469. PUBLISHED NOVEMBER 13, 1923.

179,173. FRINGES, BRAIDS, TASSELS, AND CORDS. UNITED TRIMMING CO., New York, N. Y.
Filed September 14, 1922. Serial No. 169,460. PUBLISHED SEPTEMBER 25, 1923.

179,174. A SUBSTANCE WHICH WILL EFFECT THE COMBUSTION OF THE CARBOHYDRATES, ETC. CONNAUGHT ANTITOXIN LABORATORIES, University of Toronto, Toronto, Ontario, Canada.
Filed August 31, 1922. Serial No. 168,919. PUBLISHED JUNE 26, 1923.

179,175. STEAM-PRESSURE COOKERS. METROPOLITAN MANUFACTURING CO., Chicago, Ill.
Filed August 21, 1922. Serial No. 168,541. PUBLISHED NOVEMBER 20, 1923.

179,176. CERTAIN-NAMED NOTIONS. THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany.
Filed August 18, 1922. Serial No. 168,431. PUBLISHED NOVEMBER 13, 1923.

179,177. LEATHER GLOVES. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed August 5, 1922. Serial No. 167,847. PUBLISHED NOVEMBER 20, 1923.

179,178. CERTAIN NAMED FOODS. REID, MURDOCH & Co., Chicago, Ill.
Filed June 21, 1922. Serial No. 165,818. PUBLISHED NOVEMBER 13, 1923.

179,179. PHOTOGRAPHIC GOODS. THE DAYTON PHOTO PRODUCTS COMPANY, Dayton, Ohio.
Filed June 21, 1922. Serial No. 165,785. PUBLISHED NOVEMBER 20, 1923.

179,180. TRANSFER POWDERS, CHEMICAL COMPOSITION EMPLOYED IN STAMPING PATTERNS FOR ART NEEDLEWORK. SIDNEY S. BENDICK, doing business as Trancilla Company, New York, N. Y.
Filed June 10, 1922. Serial No. 165,264. PUBLISHED JULY 18, 1922.

179,181. ELECTROLYTE FOR STORAGE BATTERIES. LEIGH E. BROWNELL, doing business as Wildfire Auto Service Co., St. Paul, Minn., assignor, by mesne assignments, to Brownell Wildfire Battery Co., Inc., a Corporation of Delaware.
Filed May 23, 1922. Serial No. 164,302. PUBLISHED NOVEMBER 20, 1923.

179,182. HOSIERY. FELIX SIMMONS, doing business as Style Silk Hosiery Co., Worcester, Mass.
Filed April 20, 1922. Serial No. 162,647. PUBLISHED NOVEMBER 20, 1923.

179,183. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. NORTHWESTERN BAKERS & CONFECTIONERS CO., Minneapolis, Minn.
Filed April 8, 1922. Serial No. 161,938. PUBLISHED NOVEMBER 13, 1923.

179,184. HAIR CURLERS. BOYD-BRENIZER CORPORATION, Wilmington, Del., and Philadelphia, Pa.
Filed December 7, 1921. Serial No. 156,349. PUBLISHED NOVEMBER 13, 1923.

179,185. CATTLE AND POULTRY FEED. PEASE & DWYER CO., Memphis, Tenn.
Filed November 29, 1921. Serial No. 156,058. PUBLISHED NOVEMBER 13, 1923.

179,186. BATHING SUITS AND BATHING TRUNKS. R. L. BENNETT CO., New York, N. Y.
Filed November 19, 1921. Serial No. 155,590. PUBLISHED NOVEMBER 13, 1923.

179,187. BUTTER, RAW CREAM, FRESH EGGS, MAPLE SIRUP FOR FOOD PURPOSES, VINEGAR, BUTTERNUTS IN THEIR NATURAL STATE, JELLY, DRY BEANS, WHEAT, OATS, INDIAN CORN, BARLEY, BUCKWHEAT, FRESH AND CANNED DECIDUOUS FRUITS, AND VEGETABLES. ARTHUR WM. BARBER, Chasy, N. Y.
Filed October 15, 1921. Serial No. 154,118. PUBLISHED NOVEMBER 13, 1923.

179,188. CANNED FRUITS—NAMELY, PEARS, GRATED PINEAPPLE, SLICED PINEAPPLE, GREEN-GAGE PLUMS, JAPAN PRUNES, EGG PLUMS, APRICOTS, YELLOW CLING PEACHES. B. A. RAILTON COMPANY, Chicago, Ill.
Filed July 20, 1921. Serial No. 150,706. PUBLISHED NOVEMBER 14, 1922.

179,189. CERTAIN NAMED NOTIONS. THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany.
Filed June 3, 1921. Serial No. 148,614. PUBLISHED NOVEMBER 13, 1923.

179,190. NUT OLEOMARGARINE. ERNEST S. BAZLEY, doing business as Bazley Markets, Chicago, Ill.
Filed October 26, 1922. Serial No. 171,242. PUBLISHED NOVEMBER 13, 1923.

179,191. REMEDY FOR STOMACH DISORDERS AND CONSTIPATION. ISADORE A. MELNICK, Los Angeles, Calif.
Filed July 20, 1923. Serial No. 183,488. PUBLISHED NOVEMBER 13, 1923.

179,192. WELDING PREPARATION. WILSON INSTRUMENT & SPECIALTY COMPANY, Passaic, N. J.
Filed July 18, 1923. Serial No. 183,429. PUBLISHED NOVEMBER 13, 1923.

179,193. STOMACH TONIC. UNIVERSAL REMEDIES COMPANY, San Francisco, Calif.
Filed July 18, 1923. Serial No. 183,426. PUBLISHED NOVEMBER 13, 1923.

179,194. HAND LOTION. MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer and Marguerite Sullivan, both of Philadelphia, Pa., doing business as Domino House, Philadelphia, Pa.
Filed July 18, 1923. Serial No. 183,418. PUBLISHED NOVEMBER 13, 1923.

179,195. PROPRIETARY PREPARATION USED IN THE TREATMENT OF PYORRHEA OR RIGGS' DISEASE. LAWRENCE CHEMICAL COMPANY, Atlanta, Ga.
Filed July 18, 1923. Serial No. 183,389. PUBLISHED NOVEMBER 13, 1923.

179,196. PREPARATION FOR CERTAIN MEDICINAL USES. GILBERT BROS. & CO., INC., Baltimore, Md.
Filed July 18, 1923. Serial No. 183,377. PUBLISHED NOVEMBER 13, 1923.

179,197. FLAVORING EXTRACTS FOR FOODS. GILBERT BROS. & Co., INC., Baltimore, Md.
Filed July 18, 1923. Serial No. 183,374. PUBLISHED NOVEMBER 13, 1923.

179,198. TOOTH PASTE AND A CREAM FOR CLEANSING AND RELIEVING IRRITATIONS OF THE SKIN. GILBERT BROS. & Co., INC., Baltimore, Md.
Filed July 18, 1923. Serial No. 183,372. PUBLISHED NOVEMBER 13, 1923.

179,199. CORN REMOVER. JOHN C. DAWES, Irvington, N. J.
Filed July 17, 1923. Serial No. 183,332. PUBLISHED NOVEMBER 13, 1923.

179,200. MAGAZINE PUBLISHED AT RECURRENT INTERVALS. MONTGOMERY WARD & Co., Chicago, Ill.
Filed July 11, 1923. Serial No. 183,078. PUBLISHED NOVEMBER 13, 1923.

179,201. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRICS FOR WOMEN. KOPS BROS., New York, N. Y.
Filed January 6, 1923. Serial No. 174,247. PUBLISHED NOVEMBER 13, 1923.

179,202. UNDERWAIST UNION SUITS OF KNITTED FABRIC AND UNDERWAIST UNION SUITS OF TEXTILE FABRIC. E. H. HORWOOD & Co., Hoboken, N. J., and New York, N. Y.
Filed November 14, 1922. Serial No. 171,996. PUBLISHED NOVEMBER 13, 1923.

179,203. CHILDREN'S SLIPS. E. H. HORWOOD & Co., Hoboken, N. J., and New York, N. Y.
Filed November 14, 1922. Serial No. 171,994. PUBLISHED NOVEMBER 13, 1923.

179,204. SERIES OF BOOKS IN A COURSE OF DANCING INSTRUCTIONS. WILLIAM CHANDLER PEAK, Chicago, Ill.
Filed October 2, 1922. Serial No. 170,210. PUBLISHED NOVEMBER 13, 1923.

179,205. BOOTS, SHOES, AND SLIPPERS MADE IN MAJOR PART OF LEATHER, FABRIC, OR RUBBER. NATH'L FISHER & Co., New York, N. Y.
Filed June 14, 1922. Serial No. 165,490. PUBLISHED NOVEMBER 13, 1923.

179,206. MISSES' AND CHILDREN'S LEATHER SHOES, AND LEATHER SOLES FOR SHOES. INDIAN HEAD SHOE Co., Marlboro, Mass.
Filed May 25, 1922. Serial No. 164,502. PUBLISHED NOVEMBER 13, 1923.

179,207. BLOUSES, UNDERSHIRTS MADE OF KNITTED AND TEXTILE FABRICS, AND PYJAMAS. MAX SHRAGE, doing business as Shrage and Pines, New York, N. Y.
Filed April 15, 1922. Serial No. 162,353. PUBLISHED NOVEMBER 13, 1923.

179,208. FOUNTAIN PENS. SALZ BROTHERS INC., New York, N. Y.
Filed April 10, 1922. Serial No. 162,073. PUBLISHED JULY 17, 1923.

179,209. RUGS, CARPETS, FLOOR AND DOOR MATS, FLOOR RUNNERS, STAIR CARPETS AND COVERINGS, PORCH COVERINGS, AUTOMOBILE MATS, AND AUTOMOBILE FLOOR COVERINGS, ALL OF WHICH ARE MADE OF FELT. STANDARD FELT COMPANY, West Alhambra, Calif.
Filed February 20, 1922. Serial No. 159,627. PUBLISHED NOVEMBER 13, 1923.

179,210. ANTISEPTIC LAXATIVE. ABEL-JENSEN LABORATORIES, Chicago, Ill.
Filed July 21, 1923. Serial No. 183,515. PUBLISHED NOVEMBER 13, 1923.

179,211. CLEANSER. THE RUB-NO-MORE COMPANY, Fort Wayne, Ind.
Filed July 3, 1923. Serial No. 182,772. PUBLISHED NOVEMBER 13, 1923.

179,212. ILLUMINATING OILS, LUBRICATING OILS, LUBRICATING GREASES, GASOLINE, KEROSENE, AND CRUDE-PETROLEUM FUEL OIL AND GAS OIL. STERLING OIL COMPANY OF PENNSYLVANIA, Emlenton, Pa.
Filed June 29, 1923. Serial No. 182,620. PUBLISHED NOVEMBER 6, 1923.

179,213. POWDERED EXTRACTS OF GRAINS USED AS A MILK MODIFIER. HORLICK'S MALTED MILK COMPANY, Racine, Wis.
Filed June 25, 1923. Serial No. 182,417. PUBLISHED NOVEMBER 6, 1923.

179,214. METAL GARMENT-HOLDING FRAMES PARTICULARLY ADAPTED FOR USE IN CEDAR CHESTS, WARDROBE TRUNKS, AND THE LIKE. HOWARD R. SCHROYER, Chicago, Ill., assignor to The Travel-Right Co., Chicago, Ill., a Corporation of Illinois.
Filed June 21, 1923. Serial No. 182,318. PUBLISHED NOVEMBER 13, 1923.

179,215. PREPARATION FOR THE SAME USE TO WHICH SOAPS, CLEANING FLUIDS, WASHING POWDERS, POLISHING SUBSTANCES, OR OTHER DETERGENTS ARE PUT. THE SOLIDIFIED NAPHTHA CORPORATION, Chicago, Ill.
Filed June 20, 1923. Serial No. 182,273. PUBLISHED NOVEMBER 13, 1923.

179,216. CIGARS. SALVADOR RODRIGUEZ, New York, N. Y.
Filed June 20, 1923. Serial No. 182,263. PUBLISHED NOVEMBER 6, 1923.

179,217. SOFT DRINKS. E. J. O'BRIEN, doing business as Cresta Blanca Punch Co., also as E. J. O'Brien Company, San Francisco, Calif.
Filed June 19, 1923. Serial No. 182,219. PUBLISHED NOVEMBER 6, 1923.

179,218. FRESH CITROUS FRUIT. MUPU CITRUS ASSOCIATION, Santa Paula, Calif.
Filed June 18, 1923. Serial No. 182,170. PUBLISHED NOVEMBER 13, 1923.

179,219. TOILET AROMATIC OILS, FACE POWDER, COMPLEXION CREAMS, TOILET WATER. THEODORE L. HERRODER, doing business as Essentialized Flower Oil Company, Toledo, Ohio.
Filed June 14, 1923. Serial No. 181,990. PUBLISHED NOVEMBER 6, 1923.

179,220. TOILET AROMATIC OILS, FACE POWDER, COMPLEXION CREAMS, TOILET WATER. THEODORE L. HERRODER, doing business as Essentialized Flower Oil Company, Toledo, Ohio.
Filed June 14, 1923. Serial No. 181,991. PUBLISHED NOVEMBER 6, 1923.

179,221. RHEUMATISM SPECIFIC. JUDGE P. TEAGUE, Sevierville, Tenn.
Filed June 13, 1923. Serial No. 181,965. PUBLISHED NOVEMBER 6, 1923.

179,222. CANNED PEAS. SAN JUAN ISLANDS CANNERY, Spokane, Wash.
Filed June 12, 1923. Serial No. 181,911. PUBLISHED NOVEMBER 13, 1923.

179,223. SKIN CREAM, HEADACHE POWDER, AND LINIMENT. JOHN T. KARDAS, doing business as Jay-Kay Chemical Company, Baltimore, Md.
Filed June 12, 1923. Serial No. 181,897. PUBLISHED NOVEMBER 6, 1923.

179,224. TONIC AND SYSTEM RENOVATOR. PIERRE C. HYDE, doing business as The Hyde Drug Company, Massena, N. Y.
Filed June 12, 1923. Serial No. 181,893. PUBLISHED NOVEMBER 6, 1923.

179,225. A PREPARATION FOR THE TREATMENT OF RHEUMATISM, INDIGESTION, AND ASTHMA. IDA GOLD, Richmond, Va.
Filed June 12, 1923. Serial No. 181,886. PUBLISHED NOVEMBER 6, 1923.

179,226. BOND PAPER FOR PRINTING PURPOSES. THE CALVERT LITHOGRAPHING Co., Detroit, Mich.
Filed September 24, 1923. Serial No. 186,102. PUBLISHED NOVEMBER 13, 1923.

179,227. PREPARED TRACING PAPER. SPECIAL PAPER MFG. Co., New York, N. Y.
Filed September 21, 1923. Serial No. 186,031. PUBLISHED NOVEMBER 13, 1923.

179,228. PREPARED TRACING PAPER. SPECIAL PAPER MFG. Co., New York, N. Y.
Filed September 21, 1923. Serial No. 186,030. PUBLISHED NOVEMBER 13, 1923.

179,229. WOOD PRESERVATIVE IN THE NATURE OF A FILLER. PAUL MENDE, INC., New York, N. Y.
Filed September 14, 1923. Serial No. 185,790. PUBLISHED NOVEMBER 27, 1923.

179,230. BOND PAPER. FRANC-GRAHAM PAPER Co. INC., New York, N. Y.
Filed August 21, 1923. Serial No. 184,787. PUBLISHED NOVEMBER 13, 1923.

179,231. TOILET SOAPS. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y.
Filed August 13, 1923. Serial No. 184,421. PUBLISHED NOVEMBER 13, 1923.

179,232. COAL. LAURENCE E. TIERNEY FUEL COMPANY, Bluefield, W. Va.
Filed August 7, 1923. Serial No. 184,194. PUBLISHED NOVEMBER 13, 1923.

179,233. FIRE-EXTINGUISHING CHEMICAL COMPOUND. PROTEX CHEMICAL Co., Everett, Pa.
Filed July 31, 1923. Serial No. 183,888. PUBLISHED NOVEMBER 13, 1923.

179,234. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,778. PUBLISHED NOVEMBER 13, 1923.

179,235. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,777. PUBLISHED NOVEMBER 13, 1923.

179,236. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,776. PUBLISHED NOVEMBER 13, 1923.

179,237. BRAKE LINING. THE RUSSELL MANUFACTURING Co., Middletown, Conn.
Filed December 21, 1921. Serial No. 157,007. PUBLISHED NOVEMBER 13, 1923.

179,238. LIGHTING FIXTURES—NAMELY, LAMP BASES AND FIBER LAMP SHADES AND FRAMES. ROBERT BEARDSLEY, doing business as Beardsley Studios, Chicago, Ill.
Filed September 22, 1921. Serial No. 153,196. PUBLISHED NOVEMBER 13, 1923.

179,239. METAL POLISH, SILVER POLISH, AND STOVE POLISH. C. M. KIMBALL COMPANY, Winthrop, Mass.
Filed September 16, 1921. Serial No. 153,003. PUBLISHED NOVEMBER 13, 1923.

179,240. SMALL THREE-WHEELED MOTOR VEHICLES FOR PASSENGERS OR FREIGHT. DELMORE MANUFACTURING CO., INC., New York, N. Y.
Filed August 2, 1921. Serial No. 151,259. PUBLISHED NOVEMBER 13, 1923.

179,241. RADIATOR CAPS. WHITE PRODUCTS COMPANY, Chicago, Ill.
Filed April 14, 1921. Serial No. 146,186. PUBLISHED NOVEMBER 13, 1923.

179,242. POLISHING MATERIAL FOR AUTOMOBILES AND HIGHLY-FINISHED SURFACES OF ALL KINDS. CARRIER CHEMICAL COMPANY, Charleston, W. Va.
Filed August 20, 1923. Serial No. 184,711. PUBLISHED NOVEMBER 6, 1923.

179,243. FEED FOR LIVE STOCK. SWEETWATER COTTON OIL Co., Sweetwater, Tex.
Filed June 2, 1923. Serial No. 181,502. PUBLISHED NOVEMBER 6, 1923.

179,244. SHIPPING DRUMS. SEYMOUR & PECK COMPANY, Chicago, Ill.
Filed June 8, 1923. Serial No. 181,702. PUBLISHED NOVEMBER 20, 1923.

179,245. SHIPPING DRUMS. SEYMOUR & PECK COMPANY, Chicago, Ill.
Filed June 8, 1923. Serial No. 181,701. PUBLISHED NOVEMBER 20, 1923.

179,246. CALENDARS. COMMUNITY PUBLICITY SERVICE, St. Louis, Mo.
Filed June 8, 1923. Serial No. 181,675. PUBLISHED NOVEMBER 13, 1923.

179,247. LEATHER SHOES. FRANK G. DELSON, Brooklyn, N. Y.
Filed June 6, 1923. Serial No. 181,591. PUBLISHED NOVEMBER 13, 1923.

179,248. LADIES' AND MISSES' HATS. STERNBERGER & SHEAMAN, New York, N. Y.
Filed June 5, 1923. Serial No. 181,574. PUBLISHED NOVEMBER 13, 1923.

179,249. LADIES', MISSES'. AND CHILDREN'S HATS AND CAPS. NEMO HAT COMPANY, New York, N. Y.
Filed June 4, 1923. Serial No. 181,536. PUBLISHED NOVEMBER 13, 1923.

179,250. SUN HATS FOR WOMEN AND CHILDREN. GEORGE R. GREEN, doing business as Bonny Sun Hat Co., Toledo, Ohio.
Filed June 4, 1923. Serial No. 181,525. PUBLISHED NOVEMBER 13, 1923.

179,251. SHOES OF LEATHER, RUBBER, AND FABRIC; LEATHER AND RUBBER, LEATHER AND FABRIC, AND RUBBER AND FABRIC. HURLEY SHOE Co., Rockland, Mass.
Filed June 2, 1923. Serial No. 181,487. PUBLISHED NOVEMBER 13, 1923.

179,252. ZINC OXIDE. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed September 26, 1923. Serial No. 186,228. PUBLISHED NOVEMBER 20, 1923.

179,253. FINISHING OR POLISHING MATERIAL FOR PAINTED, VARNISHED, OR ENAMELED SURFACES. "BEAR CAT" PRODUCT Co., Detroit, Mich.
Filed September 26, 1923. Serial No. 186,210. PUBLISHED NOVEMBER 20, 1923.

179,254. BITUMINOUS COAL. BROOKS, SMITH & COANE, LIMITED, Philadelphia, Pa.
Filed September 5, 1923. Serial No. 185,329. PUBLISHED NOVEMBER 13, 1923.

179,255. LEATHER. NEW CASTLE LEATHER Co. INC., New York, N. Y.
Filed August 3, 1923. Serial No. 184,037. PUBLISHED NOVEMBER 13, 1923.

179,256. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,770. PUBLISHED NOVEMBER 13, 1923.

179,257. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,767. PUBLISHED NOVEMBER 13, 1923.

179,258. CERTAIN NAMED TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed July 27, 1923. Serial No. 183,744. PUBLISHED NOVEMBER 13, 1923.

179,259. GENUINE LEATHER. CALIFORNIA TANNING COMPANY, St. Louis, Mo.
Filed July 2, 1923. Serial No. 182,700. PUBLISHED NOVEMBER 13, 1923.

179,260. GELATIN DESSERT PREPARATION. CALIFORNIA FOOD PRODUCTS COMPANY, Los Angeles, Calif.
Filed June 30, 1923. Serial No. 182,649. PUBLISHED NOVEMBER 13, 1923.

179,261. SHOES OF LEATHER, OF FABRIC, AND OF A COMBINATION OF LEATHER AND FABRIC, BOTH WITH AND WITHOUT RUBBER SOLES. LUNN & SWEET INCORPORATED, Auburn, Me.
Filed June 20, 1923. Serial No. 182,596. PUBLISHED NOVEMBER 13, 1923.

179,262. SHOES OF LEATHER, OF FABRIC, AND OF A COMBINATION OF LEATHER AND FABRIC, BOTH WITH AND WITHOUT RUBBER SOLES. LUNN & SWEET INCORPORATED, Auburn, Me.
Filed June 20, 1923. Serial No. 182,595. PUBLISHED NOVEMBER 13, 1923.

179,263. SHOES OF LEATHER, OF FABRIC, AND OF A COMBINATION OF LEATHER AND FABRIC, BOTH WITH AND WITHOUT RUBBER SOLES. LUNN & SWEET INCORPORATED, Auburn, Me.
Filed June 20, 1923. Serial No. 182,594. PUBLISHED NOVEMBER 13, 1923.

179,264. GELATIN PREPARATION USED FOR MAKING DESSERTS. TYLER CHEMICAL CO., INC., Pawtucket, R. I.
Filed June 23, 1923. Serial No. 182,553. PUBLISHED NOVEMBER 13, 1923.

179,265. HORSE COLLARS. INDIANAPOLIS SADDLERY COMPANY, Indianapolis, Ind.
Filed June 23, 1923. Serial No. 182,541. PUBLISHED NOVEMBER 20, 1923.

179,266. HATS FOR MEN. WILLIAM CARROLL & COMPANY, INC., New York, N. Y.
Filed June 25, 1923. Serial No. 182,533. PUBLISHED NOVEMBER 13, 1923.

179,267. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES MADE OF LEATHER AND OF KNITTED MATERIALS. WM. FILENE'S SONS COMPANY, Boston, Mass.
Filed June 25, 1923. Serial No. 182,470. PUBLISHED NOVEMBER 13, 1923.

179,268. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES MADE OF LEATHER AND OF KNITTED MATERIALS. WM. FILENE'S SONS COMPANY, Boston, Mass.
Filed June 22, 1923. Serial No. 182,337. PUBLISHED NOVEMBER 13, 1923.

179,269. CLOVER AND FIELD SEEDS. FREDERICK S. RADWAY, doing business as I. L. Radwaner Seed Company, New York, N. Y.
Filed June 20, 1923. Serial No. 182,261. PUBLISHED NOVEMBER 13, 1923.

179,270. MEDICINAL PREPARATION FOR CERTAIN NAMED PURPOSES. FRIEDRICH GROSSE, doing business as Colisan Co., New York, N. Y.
Filed June 19, 1923. Serial No. 182,206. PUBLISHED NOVEMBER 13, 1923.

179,271. SALAD DRESSING, SALAD OIL, OLIVE OIL, VINEGAR, SPICE, RICE, AND SHELLED WALNUTS IN THEIR NATURAL STATE. JOHN SCOWCROFT & SONS COMPANY, Ogden, Utah.
Filed June 14, 1923. Serial No. 182,014. PUBLISHED NOVEMBER 13, 1923.

179,272. SHOES, SLIPPERS, AND BOOTS OF LEATHER, RUBBER, FABRIC, LEATHER AND RUBBER, LEATHER AND FABRIC, OR RUBBER AND FABRIC. I. MILLER & SONS, INC., Brooklyn, N. Y.
Filed June 14, 1923. Serial No. 182,001. PUBLISHED NOVEMBER 13, 1923.

179,273. INFANTS', CHILDREN'S, MISSES', AND LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATION OF LEATHER AND FABRIC. FOSTER RYAN SHOE CO., Philadelphia, Pa.
Filed May 22, 1923. Serial No. 180,974. PUBLISHED NOVEMBER 13, 1923.

179,274. LEATHER BOOTS AND SHOES. THE REIS-MANN-DUNLAP COMPANY, Cincinnati, Ohio.
Filed May 23, 1923. Serial No. 181,006. PUBLISHED NOVEMBER 20, 1923.

179,275. MEDICINES FOR CERTAIN NAMED DISORDERS. SAMPICO INDIAN MEDICINE CO., Beloit, Wis.
Filed May 23, 1923. Serial No. 181,022. PUBLISHED NOVEMBER 20, 1923.

179,276. CORSETS, BRASSIÈRES, BUST SUPPORTERS, GARTERS, BANDEAUX, AND CORSET WAISTS. JOHN HOLLBACH COMPANY, Paterson, N. J.
Filed May 23, 1923. Serial No. 181,025. PUBLISHED NOVEMBER 20, 1923.

179,277. HYDRATED LIME FOR AGRICULTURAL PURPOSES. THE KELLEY ISLAND LIME AND TRANSPORT COMPANY, Cleveland, Ohio.
Filed May 25, 1923. Serial No. 181,128. PUBLISHED NOVEMBER 20, 1923.

179,278. ART NEEDLEWORK—NAMELY, TEXTILE FABRICS WHICH HAVE BEEN STAMPED READY FOR EMBROIDERY. SOUTHERN YARN EXCHANGE, Baltimore, Md.
Filed May 25, 1923. Serial No. 181,150. PUBLISHED NOVEMBER 13, 1923.

179,279. ART NEEDLEWORK—NAMELY, TEXTILE FABRICS WHICH HAVE BEEN STAMPED READY FOR EMBROIDERY. SOUTHERN YARN EXCHANGE, Baltimore, Md.
Filed May 25, 1923. Serial No. 181,152. PUBLISHED NOVEMBER 13, 1923.

179,280. FRUIT JELLIES, VINEGAR, FRUIT JAMS, HONEY, MARSHMALLOW CRÈME, AND MAYONNAISE. GROCERS SPECIALTY CO., Los Angeles, Calif.
Filed May 28, 1923. Serial No. 181,275. PUBLISHED NOVEMBER 13, 1923.

179,281. CEREAL BREAKFAST FOOD. POKOBOT CEREAL COMPANY, Fargo, N. Dak.
Filed May 28, 1923. Serial No. 181,309. PUBLISHED NOVEMBER 13, 1923.

179,282. PREPARATION FOR THE TREATMENT OF PYORRHEA. MILTON EDWARD HISEY, Painesville, Ohio.
Filed May 29, 1923. Serial No. 181,341. PUBLISHED NOVEMBER 20, 1923.

179,283. MOLYBDENUM AND TANTALUM. FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill.
Filed June 4, 1923. Serial No. 181,521. PUBLISHED NOVEMBER 20, 1923.

179,284. CORN MEAL, WHEAT FLOUR, PREPARED DIETETIC FLOUR, PEARL BARLEY, HOMINY GRITS, POULTRY FEEDS, AND STOCK FEEDS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed June 7, 1923. Serial No. 181,646. PUBLISHED NOVEMBER 13, 1923.

179,285. BRASSIÈRES AND GARTER BRASSIÈRES. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed June 8, 1923. Serial No. 181,695. PUBLISHED NOVEMBER 13, 1923.

179,286. SOFT DRINK. VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis.
Filed June 9, 1923. Serial No. 181,724. PUBLISHED AUGUST 28, 1923.

179,287. COOKIES, CAKES, AND CRACKERS. J. S. IVINS' SON, INC., Philadelphia, Pa.
Filed June 9, 1923. Serial No. 181,750. PUBLISHED NOVEMBER 13, 1923.

179,288. WHEAT FLOUR. ARCHBOLD-GIGER & CO., Paterson, N. J.
Filed June 11, 1923. Serial No. 181,807. PUBLISHED NOVEMBER 13, 1923.

179,289. EXCAVATING MACHINES AND HOISTING MACHINES. GLEN M. WILEY, Dayton, Ohio.
Filed June 14, 1923. Serial No. 182,029. PUBLISHED NOVEMBER 20, 1923.

179,290. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 18, 1923. Serial No. 182,177. PUBLISHED NOVEMBER 13, 1923.

179,291. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 18, 1923. Serial No. 182,178. PUBLISHED NOVEMBER 13, 1923.

179,292. BRASSIÈRES, BANDEAUX, BANDEAU-GIRDLE COMBINATIONS, AND GIRDLE WAISTS. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed June 20, 1923. Serial No. 182,276. PUBLISHED NOVEMBER 20, 1923.

179,293. SHOES AND PARTS THEREOF COMPOSED OF LEATHER, RUBBER, CANVAS, AND COMBINATIONS THEREOF. A. J. BATES COMPANY, Webster, Mass.
Filed June 2, 1923. Serial No. 181,472. PUBLISHED NOVEMBER 13, 1923.

179,294. LEATHER AND FABRIC SHOES. THE HANNAHSONS SHOE COMPANY, Haverhill, Mass.
Filed May 21, 1923. Serial No. 180,930. PUBLISHED NOVEMBER 13, 1923.

179,295. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER AND LEATHER AND FABRIC. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed May 14, 1923. Serial No. 180,586. PUBLISHED NOVEMBER 13, 1923.

179,296. LADIES' HATS. PAULINE MILLER, doing business as Pauline Miller Co., San Francisco, Calif.
Filed May 10, 1923. Serial No. 180,442. PUBLISHED NOVEMBER 13, 1923.

179,297. BOOTS AND SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF CLOTH AND LEATHER. F. L. HEIM & SON, San Francisco, Calif.
Filed May 10, 1923. Serial No. 180,429. PUBLISHED NOVEMBER 13, 1923.

179,298. DRY COLORS, PASTE AND READY-MIXED PAINTS, VARNISHES, OIL PASTES USED AS PAINTERS' MATERIALS, SHELLACS. ALBERT K. SHELDON COMPANY, Boston, Mass.
Filed April 26, 1923. Serial No. 179,747. PUBLISHED NOVEMBER 20, 1923.

179,299. FOLDERS, CIRCULARS, LEAFLETS, ETC. ART-AD STUDIO, Mansfield, Ohio.
Filed April 17, 1923. Serial No. 179,257. PUBLISHED NOVEMBER 13, 1923.

179,300. RUBBER HEELS FOR SHOES. HOLTITE MANUFACTURING COMPANY, Baltimore, Md.
Filed April 9, 1923. Serial No. 178,845. PUBLISHED NOVEMBER 13, 1923.

179,301. RACING PROGRAMS. BROWNING AND ATKIN, San Diego, Calif.
Filed April 4, 1923. Serial No. 178,549. PUBLISHED NOVEMBER 13, 1923.

179,302. EVAPORATED AND CONDENSED MILK. COLORADO CONDENSED MILK CO., Fort Lupton, Colo.
Filed April 3, 1923. Serial No. 178,492. PUBLISHED NOVEMBER 13, 1923.

179,303. LIVE STOCK, INCLUDING DOGS—NAMELY, AIREDALES, RUSSIAN WOLF HOUNDS, ENGLISH BULLDOGS, OLD ENGLISH SHEEP DOGS, AND WIRE-HAIRED FOX TERRIERS. ANITA M. BALDWIN, Santa Anita, Calif.
Filed March 15, 1923. Serial No. 177,469. PUBLISHED NOVEMBER 13, 1923.

179,304. HIGH AND LOW CUT SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. GEO. J. BERTMAN SHOE CO., INC., Chicago, Ill.
Filed March 14, 1923. Serial No. 177,422. PUBLISHED NOVEMBER 13, 1923.

179,305. OVEN THERMOMETERS. THE ELECTRICAL APPLIANCE MANUFACTURING COMPANY, Waterbury, Conn.
Filed September 27, 1923. Serial No. 186,274. PUBLISHED NOVEMBER 20, 1923.

179,306. FOUNTAIN PEN. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed September 27, 1923. Serial No. 186,272. PUBLISHED NOVEMBER 20, 1923.

179,307. TIRE-REPAIR COMPOUNDS, ADHESIVES, AND REENFORCEMENTS. HOWARD G. HOUSE, doing business as Sta-Put Mfg. Company, and formerly doing business as Sta-Put Patch Co., Toledo, Ohio.
Filed September 26, 1923. Serial No. 186,232. PUBLISHED NOVEMBER 20, 1923.

179,308. GLUES OR PASTES OF VEGETABLE ORIGIN. DEXTRO PRODUCTS INC., Buffalo, N. Y.
Filed September 26, 1923. Serial No. 186,220. PUBLISHED NOVEMBER 20, 1923.

179,309. LUBRICATING OILS. GUSTAV A. BERGFORS, Braintree, Mass.
Filed September 26, 1923. Serial No. 186,212. PUBLISHED NOVEMBER 20, 1923.

179,310. THERMOMETERS. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y.
Filed September 20, 1923. Serial No. 185,904. PUBLISHED NOVEMBER 20, 1923.

179,311. LUBRICATING OIL. ROXANA PETROLEUM CORPORATION, St. Louis, Mo.
Filed September 20, 1923. Serial No. 185,901. PUBLISHED NOVEMBER 20, 1923.

179,312. LUBRICATING OILS. WAVERLY OIL WORKS COMPANY, Pittsburgh, Pa.
Filed September 14, 1923. Serial No. 185,802. PUBLISHED NOVEMBER 20, 1923.

179,313. LIFTING JACKS. LOUIS C. BERMAN, Chicago, Ill.
Filed September 10, 1923. Serial No. 185,554. PUBLISHED NOVEMBER 20, 1923.

179,314. HATCHETS, HAMMERS, CRATE OPENERS, TACKERS, AND TACKING MACHINES. MARKWELL MANUFACTURING CO., INC., New York, N. Y.
Filed September 6, 1923. Serial No. 185,372. PUBLISHED NOVEMBER 20, 1923.

179,315. WEIGHING SCALES. THE JACOBS BROS. CO., INC., Brooklyn, N. Y.
Filed September 4, 1923. Serial No. 185,297. PUBLISHED NOVEMBER 20, 1923.

179,316. BRUSHES. H. BEHLEN & BRO., New York, N. Y.
Filed September 4, 1923. Serial No. 185,283. PUBLISHED NOVEMBER 20, 1923.

179,317. GEAR-CUTTING MACHINES AND PARTS THEREOF, PINION-TOOTHED GEAR CUTTERS, GEARING, GEAR WHEELS, AND GEAR PINIONS. FARREL FOUNDRY & MACHINE COMPANY, Ansonia, Conn., and Buffalo, N. Y.
Filed August 31, 1923. Serial No. 185,212. PUBLISHED NOVEMBER 20, 1923.

179,318. WRAPPING PAPER. JOSEPH WEIL & SONS, Chicago, Ill.
Filed August 27, 1923. Serial No. 185,066. PUBLISHED NOVEMBER 20, 1923.

179,319. STEEL TOOLS, PARTICULARLY HALF HATCHETS, SHINGLING HATCHETS, CLAW HATCHETS, SCOUT AXES, ADZE-EYE NAIL HAMMERS, BALL PEEN HAMMERS, SCREW DRIVERS, PIKE MAULS, TRACK ADZES, AND WRENCHES. MARION TOOL WORKS, INC., Marion, Ind.
Filed August 24, 1923. Serial No. 184,946. PUBLISHED NOVEMBER 20, 1923.

179,320. LOOSE-LEAF BINDERS FOR USE IN BOOK-KEEPING SYSTEMS. TALLMAN, ROBBINS & COMPANY, Chicago, Ill.
Filed August 20, 1923. Serial No. 184,772. PUBLISHED NOVEMBER 20, 1923.

179,321. PREPARATION FOR GROWING HAIR AND ERADICATING DANDRUFF. IRWIN J. HARRIS, doing business as Alopex Products Company, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,830. PUBLISHED NOVEMBER 20, 1923.

179,322. INSECTICIDE. HOOD RIVER SPRAY COMPANY, Hood River, Oreg.
Filed July 30, 1923. Serial No. 183,832. PUBLISHED NOVEMBER 20, 1923.

179,323. AUTOMOBILE STEERING-POST LOCKS. AMERICAN WHEEL COMPANY, Philadelphia, Pa.
Filed March 21, 1921. Serial No. 145,000. PUBLISHED NOVEMBER 20, 1923.

179,324. CERTAIN DAIRY PRODUCTS—VIZ, BUTTER. VALLEY DAIRY PRODUCTS COMPANY, Appleton, Wis.
Filed May 15, 1923. Serial No. 180,674. PUBLISHED NOVEMBER 13, 1923.

179,325. LEATHER SHOES. PORTER-SEITZ SHOE STORES COMPANY, Wilmington, Del., and Pittsburgh, Pa.
Filed May 15, 1923. Serial No. 180,671. PUBLISHED NOVEMBER 20, 1923.

179,326. HAMMERS, HATCHETS, AXES, AND WOOD-SPLITTING WEDGES. EVANSVILLE TOOL WORKS, Evansville, Ind., assignor to Evansville Tool Works, Inc., Evansville, Ind.
Filed May 10, 1923. Serial No. 180,423. PUBLISHED NOVEMBER 20, 1923.

179,327. LEATHER SHOES. KANNALLY-WICK CORPORATION, Highland, Ill.
Filed March 31, 1923. Serial No. 178,391. PUBLISHED NOVEMBER 13, 1923.

179,328. CONDENSERS, HEAT EXCHANGERS, COOLERS, AND DEPHLEGMATORS. THE GRISCOM-RUSSELL COMPANY, New York, N. Y.
Filed March 27, 1923. Serial No. 178,100. PUBLISHED NOVEMBER 20, 1923.

179,329. A FOOD PRODUCT—A COMBINATION OF CATCHUP, TOMATOES, AND MAYONNAISE. POLY-NAISE COMPANY, Watertown, N. Y.
Filed March 26, 1923. Serial No. 178,061. PUBLISHED NOVEMBER 13, 1923.

179,330. WHEAT FLOUR. WILLIS NORTON & CO., North Topeka, Kans.
Filed March 22, 1923. Serial No. 177,884. PUBLISHED NOVEMBER 13, 1923.

179,331. RUBBER HEELS FOR SHOES, RUBBER SOLED AND HEELED SHOES, AND LEATHER SHOES. LA CROSSE RUBBER MILLS CO., La Crosse, Wis.
Filed March 22, 1923. Serial No. 177,850. PUBLISHED NOVEMBER 13, 1923.

179,332. LADIES' AND CHILDREN'S HATS. THE CALYORK MANUFACTURING CO., Los Angeles, Calif.
Filed March 22, 1923. Serial No. 177,828. PUBLISHED NOVEMBER 20, 1923.

179,333. BRASSIÈRES. IDA MUNZER INC., New York, N. Y., assignor to L. Bamberger & Co., Newark, N. J., a Corporation of New Jersey.
Filed March 7, 1923. Serial No. 177,100. PUBLISHED NOVEMBER 20, 1923.

179,334. MEAT AND MILK ESSENCE, BEVERAGE CHOCOLATE, EATING CHOCOLATE, PEA SOUP, GRUEL, INVALID FOOD, JELLIES, BREAD, BISCUIT, AND FLOUR. FOOD PRODUCTS LTD., London, England.
Filed March 2, 1923. Serial No. 176,821. PUBLISHED NOVEMBER 13, 1923.

179,335. PREPARATIONS FOR THE TREATMENT OF CORNS, CALLI, AND BUNIONS. THE KAHLEY COMPANY, New York, N. Y.
Filed March 1, 1923. Serial No. 176,797. PUBLISHED NOVEMBER 20, 1923.

179,336. BRASSIÈRES. THE LUCILE SOMARCO BRASSIERE CO., New York, N. Y.
Filed February 24, 1923. Serial No. 176,560. PUBLISHED NOVEMBER 20, 1923.

179,337. GIRDLES, CORSETS, AND HIP CONFINERS. THE LAY & WAY CO., New York, N. Y.
Filed February 3, 1923. Serial No. 175,502. PUBLISHED NOVEMBER 20, 1923.

179,338. RUBBER HEELS. PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass.
Filed December 23, 1922. Serial No. 173,780. PUBLISHED NOVEMBER 20, 1923.

179,339. CHEMICAL CARBON DESTROYER. CHARLES J. SCHOPP, doing business as The Motor Schopp, St. Louis, Mo.
Filed December 5, 1922. Serial No. 172,953. PUBLISHED APRIL 17, 1923.

179,340. TEXTILE ARTICLES—NAMELY, HOSIERY. THE PARAMOUNT KNITTING COMPANY, Chicago, Ill., assignor to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois.
Filed November 20, 1922. Serial No. 172,292. PUBLISHED NOVEMBER 20, 1923.

179,341. OVERCOATS AND SUITS FOR MEN, WOMEN, AND JUVENILES, IN UNPROOFED CLOTHS. NICHOLSON'S RAINCOAT CO., LIMITED, St. Albans, England.
Filed November 14, 1922. Serial No. 172,006. PUBLISHED NOVEMBER 13, 1923.

179,342. PAPER FOR CORRESPONDENCE AND PRINTING. W. M. TEMPLE, Mason City, Iowa.
Filed October 30, 1922. Serial No. 171,392. PUBLISHED NOVEMBER 20, 1923.

179,343. BUTTER. TELL CITY CREAMERY COMPANY, Tell City, Ind.
Filed May 21, 1923. Serial No. 180,950. PUBLISHED NOVEMBER 13, 1923.

179,344. CLEANING AND DISINFECTANT PREPARATION. M. GLAUBER & COMPANY, New York, N. Y.
Filed July 30, 1923. Serial No. 183,829. PUBLISHED NOVEMBER 20, 1923.

179,345. SNUFF USED FOR MEDICINAL PURPOSES. ALBERT CARMEL, doing business as The Mount Carmel Co., Baltimore, Md.
Filed July 30, 1923. Serial No. 183,818. PUBLISHED NOVEMBER 20, 1923.

179,346. TOILET PREPARATION FOR THE EYES. DAVID ANSEHL, doing business as The Beauty House, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,811. PUBLISHED NOVEMBER 20, 1923.

179,347. MALT SIRUP. WILLIAM T. SMOOT, Baltimore, Md.
Filed July 25, 1923. Serial No. 183,674. PUBLISHED NOVEMBER 20, 1923.

179,348. TOILET COMBS, PINCUSHION HOLDERS, AND BUTTONHOOKS MADE OF CELLULOID OR SIMILAR MATERIAL. J. C. DOWD & CO. INC., New York, N. Y.
Filed July 20, 1923. Serial No. 183,470. PUBLISHED NOVEMBER 13, 1923.

179,349. MEDICINAL PREPARATION FOR THE TREATMENT OF OBESITY. THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y.
Filed July 19, 1923. Serial No. 183,458. PUBLISHED NOVEMBER 20, 1923.

179,350. FUR COATS, CAPES, NECK PIECES, COLLARS, AND JACKETS. ELITE FUR SHOP, INC., Kansas City, Mo.
Filed July 19, 1923. Serial No. 183,447. PUBLISHED NOVEMBER 20, 1923.

179,351. COUGH DROPS. CHARLES F. EGGIMANN, Springfield, Oreg.
Filed July 19, 1923. Serial No. 183,445. PUBLISHED NOVEMBER 20, 1923.

179,352. INSECT DESTROYER. BEDSOLE-COLVIN DRUG CO., Mobile, Ala.
Filed July 17, 1923. Serial No. 183,329. PUBLISHED NOVEMBER 20, 1923.

179,353. PERFUME, TALCUM POWDER, SACHET POWDER, AND FACE POWDER. MAISON MENDESSOLLE, San Francisco, Calif.
Filed July 30, 1923. Serial No. 183,841. PUBLISHED NOVEMBER 20, 1923.

179,354. BRONZE BEARINGS. MORE-JONES BRASS & METAL CO., St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,847. PUBLISHED NOVEMBER 20, 1923.

179,355. RADIUM. THE RADIUM EMANATION CORPORATION, New York, N. Y.
Filed July 31, 1923. Serial No. 183,890. PUBLISHED NOVEMBER 20, 1923.

179,356. BEADS AND METAL SPANGLES MADE OF STEEL, COPPER, ALUMINUM, AND OTHER NON-PRECIOUS METALS OR ALLOYS THEREOF. CANUET FRÈRES, Paris, France.
Filed August 3, 1923. Serial No. 184,017. PUBLISHED NOVEMBER 13, 1923.

179,357. BLADE SHARPENERS. DOMESTIC DEVICES CORPORATION, New York, N. Y.
Filed August 3, 1923. Serial No. 184,024. PUBLISHED NOVEMBER 20, 1923.

179,358. LUBRICANTS. THE HARVEY OIL CO., Cleveland, Ohio.
Filed August 3, 1923. Serial No. 184,029. PUBLISHED NOVEMBER 20, 1923.

179,359. BEVERAGE-DISPENSING FOUNTAINS. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif.
Filed August 4, 1923. Serial No. 184,064. PUBLISHED NOVEMBER 20, 1923.

179,360. POWDER PUFFS. MAURICE LEVY, New York, N. Y.
Filed August 7, 1923. Serial No. 184,171. PUBLISHED NOVEMBER 20, 1923.

179,361. ARTIFICIAL FLOWERS. THE SHEARER & MCCARTHY CORP., Camden, N. J.
Filed August 8, 1923. Serial No. 184,216. PUBLISHED NOVEMBER 13, 1923.

179,362. BASKETS. THE SHEARER & MCCARTHY CORP., Camden, N. J.
Filed August 8, 1923. Serial No. 184,217. PUBLISHED NOVEMBER 20, 1923.

179,363. FABRIC-TIRE MOLDS, CORD-TIRE MOLDS, SOLID CORES, COLLAPSIBLE CORES, CURING RINGS OR BOWL RINGS, AIR-BAG MOLDS, BEAD MOLDS, AND BEAD RINGS. THE REYNOLDS MACHINE COMPANY, Massillon, Ohio.
Filed August 9, 1923. Serial No. 184,264. PUBLISHED NOVEMBER 20, 1923.

179,364. MOTOR OIL AND GASOLINE. THE KENTUCKY INDEPENDENT OIL COMPANY, Covington, Ky.
Filed August 10, 1923. Serial No. 184,286. PUBLISHED NOVEMBER 20, 1923.

179,365. TOOTHBRUSHES. GEO. R. GIBSON CO., New York, N. Y.
Filed August 11, 1923. Serial No. 184,337. PUBLISHED NOVEMBER 20, 1923.

179,366. FOLDED TOWELS. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,351. PUBLISHED NOVEMBER 20, 1923.

179,367. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,356. PUBLISHED NOVEMBER 20, 1923.

179,368. FIBER BOXES. ST. REGIS PAPER COMPANY, Watertown, N. Y.
Filed August 14, 1923. Serial No. 184,478. PUBLISHED NOVEMBER 20, 1923.

179,369. STATIONERY—NAMELY ENVELOPES. ROYAL CARD & PAPER COMPANY, New York, N. Y.
Filed August 16, 1923. Serial No. 184,564. PUBLISHED NOVEMBER 20, 1923.

179,370. WATER-CIRCULATION PUMPS FOR AUTOMOBILE ENGINES. PRICE BROTHERS, Frederick, Md.
Filed August 20, 1923. Serial No. 184,755. PUBLISHED NOVEMBER 20, 1923.

179,371. INSECTICIDES. STEPHEN H. SACHAKLIAN, Hartford, Conn.
Filed July 13, 1923. Serial No. 183,165. PUBLISHED NOVEMBER 20, 1923.

179,372. MACHINE KNIVES AND SHEARS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed July 9, 1923. Serial No. 183,006. PUBLISHED NOVEMBER 20, 1923.

179,373. MEDICINAL PREPARATION FOR THE TREATMENT OF PAINS, ETC. MRS. ELMIRA SMITH, doing business as Mrs. S. G. Smith, Harrison, Ga.
Filed July 6, 1923. Serial No. 182,881. PUBLISHED NOVEMBER 20, 1923.

179,374. MEDICINAL PREPARATION USED FOR EXTRAVENOUS OR INTRAMUSCULAR INJECTION. SCHERING & GLATZ, INC., New York, N. Y.
Filed July 5, 1923. Serial No. 182,839. PUBLISHED NOVEMBER 20, 1923.

179,375. WHEAT FLOUR. LILLIE MILL COMPANY, Franklin, Tenn.
Filed July 3, 1923. Serial No. 182,759. PUBLISHED NOVEMBER 13, 1923.

179,376. SELF RISING FLOUR. THE DUNLOP MILLING COMPANY, Clarksville, Tenn.
Filed July 3, 1923. Serial No. 182,740. PUBLISHED NOVEMBER 13, 1923.

179,377. BRASSIÈRES. BERNARD SKLAREW, New York, N. Y.
Filed June 30, 1923. Serial No. 182,680. PUBLISHED NOVEMBER 13, 1923.

179,378. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 29, 1923. Serial No. 182,608. PUBLISHED NOVEMBER 13, 1923.

179,379. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 29, 1923. Serial No. 182,607. PUBLISHED NOVEMBER 13, 1923.

179,380. DAIRY AND HORSE FEED. TRI-STATE VEGI FEED CO., Cincinnati, Ohio.
Filed June 25, 1923. Serial No. 182,451. PUBLISHED NOVEMBER 13, 1923.

179,381. WHEAT FLOUR. KING MILLING CO., Lowell, Mich.
Filed June 25, 1923. Serial No. 182,422. PUBLISHED NOVEMBER 13, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

179,382. (CLASS 39. CLOTHING.) THE STETSON SHOP INCORPORATED, Pittsburgh, Pa. Filed Mar. 18, 1922. Serial No. 160,906.

PETTY'S OK DRY-FOOT

Particular description of goods.—Leather Boots, Shoes, and Rubbers for Men, Women, and Children.
Claims use since Feb. 7, 1922.

179,383. (CLASS 39. CLOTHING.) JACK STONE, doing business as Stone Shoe Sole Company, Denver, Colo. Filed Jan. 16, 1923. Serial No. 174,677.

STONE

Particular description of goods.—Composition Shoe Soles.
Claims use since Oct. 30, 1922.

179,384. (CLASS 39. CLOTHING.) JENNY LEE FROCKS, INC., Minneapolis, Minn. Filed June 16, 1923. Serial No. 182,195.

Jenny Lee

Particular description of goods.—Dresses, Gowns, Suits, Wraps, and Coats.
Claims use since September, 1918.

179,385. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MUDGE & COMPANY, Chicago, Ill. Filed May 10, 1923. Serial No. 180,450.

"Special"

Particular description of goods.—Railway Gasoline-Motor Cars.
Claims use since Feb. 5, 1915.

179,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMPIRE STATE CANNING CO., Rome, N. Y. Filed Apr. 14, 1923. Serial No. 179,140.

Seymour

Particular description of goods.—Canned Fruits, Canned Vegetables.
Claims use since 1917.

179,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SODUS CO-OPERATIVE CREAMERY CO., Wolcott, N. Y. Filed Apr. 10, 1923. Serial No. 178,937.

SODUS BRAND

Particular description of goods.—Butter, Cottage Cheese, Creamed Cottage Cheese, Creamed Cheese, Fresh Milk, Fresh Cream, Pressed Curd Cheese, and Ice-Cream Mixes.
Claims use since Feb. 1, 1922.

179,388. (CLASS 39. CLOTHING.) BURNHAM, STOEPEL & COMPANY, Detroit, Mich. Filed Apr. 7, 1923. Serial No. 178,712.

Klipper Klothes

Particular description of goods.—Boys' and Girls' Rompers.
Claims use since Sept. 1, 1920.

179,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALL BAKING CO., Buffalo, N. Y. Filed Mar. 29, 1923. Serial No. 178,246.

100%

Particular description of goods.—Bread, Pies, Cookies, and Cakes.
Claims use since Dec. 15, 1922.

179,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALL BAKING CO., Buffalo, N. Y. Filed Mar. 29, 1923. Serial No. 178,245.

ALL-AMERICAN

Particular description of goods.—Bread, Pies, Cookies, and Cakes.
Claims use since Dec. 10, 1922.

179,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FAIRMONT CREAMERY CO., Omaha, Nebr. Filed Mar. 29, 1923. Serial No. 178,241.

FAIRMONT Better Eggs

Particular description of goods.—Eggs.
Claims use since Dec. 18, 1922.

179,392. (CLASS 10. FERTILIZERS.) THE PACIFIC BONE COAL & FERTILIZING COMPANY, San Francisco, Calif. Filed Feb. 21, 1923. Serial No. 176,426.

25 *UNIT* SPECIAL

Particular description of goods.—Fertilizers.
Claims use since July 1, 1922.

179,393. (CLASS 39. CLOTHING.) OSCAR LEVY & COMPANY, Chicago, Ill. Filed Feb. 10, 1923. Serial No. 175,875.

STANWEAR

Particular description of goods.—Work Trousers, Overalls, Boys' Blouses, and One-Piece Work Suits for Men and Boys.
Claims use since Nov. 3, 1922.

179,394. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SULLIVAN MACHINERY COMPANY, Boston, Mass., and Chicago, Ill. Filed Dec. 26, 1922. Serial No. 173,860.

SULLIVAN SPADER

Particular description of goods.—Percussive Tools.
Claims use since Feb. 3, 1922.

179,395. (CLASS 39. CLOTHING.) QUALITY KNIT, INC., Stowe, Pa. Filed Dec. 4, 1922. Serial No. 173,384.

Kwal-I-Te

Particular description of goods.—Knitted Fabric Underwear.
Claims use since June 1, 1922.

179,396. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SUMNER S. SHEARS, Brooklyn, N. Y. Filed Oct. 17, 1922. Serial No. 170,838.

COILEVER SHEARS REDUCTION SPRINGS "Laugh At Rough Roads"

Particular description of goods.—Vehicle Springs.
Claims use since Mar. 17, 1921.

179,397. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUTLER KWIK-LIFT COMPANY, INC., Brooklyn, N. Y. Filed Mar. 22, 1922. Serial No. 161,024.

KWIK-LIFT

Particular description of goods.—Wrecking Cranes, Shop Cranes, Freight-Car Unloaders, Jacks, Punch Presses.
Claims use since January, 1921.

179,398. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) O'BANNON CORPORATION, Boston, Mass. Filed July 9, 1920. Serial No. 134,754.

WETPRUF
DOUBLE-TEXTURE TOP MATERIAL

Particular description of goods.—Double-Texture Vehicle-Top Material with Rubberized Coating.
Claims use since June 18, 1920.

179,399. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) O'BANNON CORPORATION, Boston, Mass. Filed July 9, 1920. Serial No. 134,753.

WETPRUF
SINGLE-TEXTURE TOP MATERIAL

Particular description of goods.—Single-Texture Vehicle-Top Material with Rubberized Coating.
Claims use since June 18, 1920.

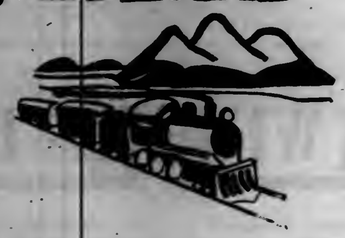
179,400. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. W. MERRISS HOME REMEDY COMPANY, Detroit, Mich. Filed Dec. 3, 1923. Serial No. 189,165.

Merriss

Particular description of goods.—Blood Purifier, Liniment, Skin Lotion, Cough Sirup, Pile Salve, Regulator for Stomach and Intestines, Sedatives, Healing Ointment, and Medicine for the Relief of Cramps.
Claims use since about 1900.

179,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., doing business as St. Anthony Flour Mills, Denver and St. Anthony, Colo. Filed Nov. 30, 1923. Serial No. 189,036.

Yellowstone SPECIAL



Particular description of goods.—
Claims use since March, 1909.

179,402. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Nov. 24, 1923. Serial No. 188,809.

GLOBE

Particular description of goods.—Artificial Minnows.
Claims use since Apr. 15, 1910.

179,403. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. H. LEACH COMPANY, Boston, Mass. Filed Nov. 22, 1923. Serial No. 188,685.

LEACH

Particular description of goods.—Oil Condensers, Heat Exchangers, and Dephlegmators.
Claims use since on or about Sept. 1, 1922.

179,404. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER & CELLULOID PRODUCTS COMPANY, Newark, N. J. Filed Nov. 19, 1923. Serial No. 188,573.

ALBRIGHT

Particular description of goods.—Toothbrushes.
Claims use since about Dec. 1, 1922.

179,405. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILL C. BARNES, Washington, D. C. Filed Nov. 16, 1923. Serial No. 188,402.

The Will C. Barnes' Calf D'Horner

Particular description of goods.—Calf Dehorners.
Claims use since Jan. 15, 1910.

179,406. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE KENTUCKY FUEL COMPANY, Cincinnati, Ohio. Filed Nov. 14, 1923. Serial No. 188,313.

COLUMBIA

Particular description of goods.—Coal.
Claims use since October, 1922.

179,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JESSE G. KIRBY, Dallas, Tex. Filed Nov. 10, 1923. Serial No. 188,210.



Particular description of goods.—Sandwiches.
Claims use since Apr. 15, 1922.

179,408. (CLASS 39. CLOTHING.) WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Oct. 30, 1923. Serial No. 187,669.

Filene's

Particular description of goods.—Leather Boots, Shoes, and Slippers; Boots, Shoes, and Slippers with Leather Soles and with Uppers Made of Textile Materials and of Combinations of Textile Materials and Leather and of Knitted Materials and of Felt; Boots, Shoes, Overshoes, and Slippers with Rubber Soles and with Uppers Made of Textile Materials; Boots Made of Rubber, Spats Made of Textile Materials, Putties Made of Textile Materials, Men's and Boys' Hats and Caps; Men's and Boys' Dress, Negligee, and Work Shirts, Collars, Cuffs, Neckties, Mufflers, Drawers, Nightrobes, Nightshirts, Pyjamas, Undershirts, Underdrawers, Underwaists, Running Pants, Bath Robes, Outer Suits, Coats, Jackets, Vests, Trousers, Breeches, Knickerbockers, Overcoats, Lounging Robes, Overalls, Dusters, Jumpers, and Blouses Made of Textile Materials; Men's and Boys' Neckties, Mufflers, Undershirts, Underdrawers, Bathing Suits, Bathing Trunks, Union Suits, Coats, Vests, Sweaters, and Jerseys Made of Knitted Materials; Men's and Boys' Overcoats Made of Textile Materials and Lined with Fur and Made of Textile Materials and Lined with Sheep's Fleece, Stockings Made of Knitted Materials, Mittens Made of Leather and of Knitted Materials and of Textile Materials and of Fur; Women's and Girls' Collars, Cuffs, Guimpes, Chemisettes, Neckties, Stocks, Jabots, Scarfs, Ruffs, Shawls, Sashes, Boudoir Caps, Maid's Caps, Dusting Caps, Pyjamas, Slips, Habits, Gowns, Dresses, Costumes, Uniforms, Sweaters, Jackets, Smocks, Blouses, Shirt Waists, Corsets, Brassières, and Corset Waists Made of Textile Materials; Women's and Girls' Coats and Cloaks Made of Textile Materials and Lined with Fur; Women's and Girls' Coats, Sweaters, Union Suits, Vests, Spencers, Knickerbockers, Bloomers, Tights, Corset Covers, Neckties, Made of Knitted Materials; Women's and Girls' Trimmed Hats and Untrimmed Hats, Feather Boas; Women's and Girls' Bonnets, Hats, and Caps and Men's and Boys' Coats, Hats, and Caps Made of Fur; Infants' Rompers Made of Textile Materials, and Tights, Hats, Caps, Mittens, and Sweaters Made of Knitted Materials.
Claims use since Oct. 1, 1912.

179,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LILLIAN I. BENJAMIN, doing business as W. J. Benjamin & Son, West Stockholm and Potsdam, N. Y. Filed Oct. 29, 1923. Serial No. 187,601.

SO. COLTON

Particular description of goods.—Butter.
Claims use since January, 1919.

179,410. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CALIFORNIA TANNING COMPANY, doing business as St. Louis Leather Products Co., St. Louis, Mo. Filed Oct. 22, 1923. Serial No. 187,296.

NO-WASTE-STRIP

Particular description of goods.—Lace-Leather Strips.
Claims use since about 1915.

179,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 187,060.

Hunt's Staple Quality

Particular description of goods.—Canned Fruits, Fish, and Vegetables; Dried Fruits.
Claims use since 1908.

179,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 16, 1923. Serial No. 187,057.

Hunt's Superior Quality

Particular description of goods.—Canned Fruit, Fish, and Vegetables; Dried Fruits.
Claims use since 1908.

179,413. (CLASS 12. CONSTRUCTION MATERIALS.) THE GOLDSMITH METAL LATH COMPANY, Cincinnati, Ohio. Filed Oct. 15, 1923. Serial No. 186,989.

Shurebond Unit System of Metal Tile

Particular description of goods.—Metal Tile Construction Units.
Claims use since 1914.

179,414. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923. Serial No 185,439.

SEVILLE

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1905.

179,415. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,435.

Norcross

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1908.

179,416. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,434.

NAVARRE

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1906.

179,417. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,433.

LOIRE

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1906.

179,418. (CLASS 39. CLOTHING.) P. CENTEMERI & Co., New York, N. Y. Filed Sept. 7, 1923. Serial No. 185,432.

La Grenoble

Particular description of goods.—Leather and Fabric Gloves and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Men, Women, and Children, and Hosiery.
Claims use since 1912.

179,419. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MEDFORD B. MANN, doing business as Seal-Tite Piston Ring Co., Baltimore, Md. Filed Aug. 1, 1923. Serial No. 183,932.

Oil-Edge

Particular description of goods.—Piston Rings for Liquid-Ful Engines.
Claims use since on or about Jan. 1, 1920.

179,420. (CLASS 7. CORDAGE.) H. G. KLEINFELDER & SON, Philadelphia, Pa. Filed July 23, 1923. Serial No. 183,577.

Hy-Grade

Particular description of goods.—Cotton Twine, Cotton Rope; Jute, Hemp, Flax Ropes and Twines, Sash Cords, Cotton Clotheslines and Chalk Lines.
Claims use since Dec. 10, 1922.

179,421. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 20, 1923. Serial No. 183,483.

STATEN ISLAND
FANCY

Particular description of goods.—Wheat Flour.
Claims use since Feb. 10, 1896.

179,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 20, 1923. Serial No. 183,482.

STATEN ISLAND
BEST

Particular description of goods.—Wheat Flour.
Claims use since Feb. 10, 1896.

179,423. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 20, 1923. Serial No. 183,481.

STATEN ISLAND
EXTRA

Particular description of goods.—Wheat Flour.
Claims use since Feb. 10, 1896.

179,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE MILLING CO., Winona, Minn. Filed Nov. 17, 1923. Serial No. 188,464.

WINONA
WE-NO-NAH

Particular description of goods.—Wheat Flour.
Claims use since 1900.

TRADE-MARK REGISTRATIONS RENEWED.

22,607. CELERY TEA FOR MEDICINAL PURPOSES. Registered March 7, 1893. PERCY C. MELROSE. Renewed March 7, 1923, to The Kauffman-Lattimer Co., Columbus, Ohio, assignee.

23,951. A PURGATIVE TEA. Registered December 26, 1893. AUGUSTE SICRE, Paris, France. Renewed December 26, 1923.

24,269. TEA, COFFEE, AND OTHER NAMED BEVERAGES. Registered February 20, 1894. UNITED KINGDOM TEA COMPANY LIMITED, London, England; New York, N. Y.; and Paris, France. Renewed February 20, 1924.

24,311. CARBONATED BEVERAGES. Registered March 6, 1894. JOHN JAMES MCLAUGHLIN. Renewed March 6, 1924, to J. J. McLaughlin Limited, Toronto, Canada, successor.

24,438. AGATE BEADS AND BUTTONS. Registered April 3, 1894. F. BAPTEROSSES & CIE., Paris, France. Renewed April 3, 1924.

24,475. INSECTICIDES. Registered April 3, 1894. ORLANDO H. JADWIN. Renewed April 3, 1924, to O. H. Jadwin Sons, Inc., New York, N. Y., a Corporation of New York, assignee.

24,479. WINDMILLS. Registered April 3, 1894. FAIRBANKS, MORSE & CO., Chicago, Ill., and Beloit, Wis. Renewed April 3, 1924.

24,480. WINDMILLS. Registered April 3, 1894. FAIRBANKS, MORSE & CO., Chicago, Ill., and Beloit, Wis. Renewed April 3, 1924.

24,550. SALT. Registered April 17, 1894. FREDERICK I. W. BURSCH, Brooklyn, N. Y. Renewed April 17, 1924, to Independent Salt Company, New York, N. Y., a Corporation of New York, assignee.

24,696. PISTOLS, RIFLES, AND SPORTING GUNS. Registered May 8, 1894. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Renewed May 8, 1924.

24,753. BEEF, MUTTON, VEAL, PORK, HAM, SAUSAGE, AND CURED MEATS. Registered May 22, 1894. EMIL WINTER COMPANY, Allegheny and Pittsburgh, Pa. Renewed May 22, 1924, to Pittsburgh Provision and Packing Company, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

LABELS

REGISTERED FEBRUARY 5, 1924.

26,853.—*Title:* ALOLA. For Hawaiian Pineapple. ALBERT F. BRIDGES & Co. INC., Chicago, Ill. Published October 1, 1923.

26,854.—*Title:* FORM FASHIONED. For Hosiery. CHIPMAN KNITTING MILLS, Easton, Pa. Published November 6, 1923.

26,855.—*Title:* MRS. SCHMIDT'S SWEET HOME BREAD. For Bread. THE CITY BAKING COMPANY, Baltimore, Md. Published August 27, 1923.

26,856.—*Title:* COLUMBIA. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,857.—*Title:* COLUMBIA. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,858.—*Title:* COLUMBIA. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,859.—*Title:* COLUMBIA. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,860.—*Title:* COLUMBIA. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,861.—*Title:* SPECIALLY MADE FOR PERSONAL RECORD. For Phonograph Records. COLUMBIA PHONOGRAPH COMPANY, New York, N. Y. Published October 1, 1923.

26,862.—*Title:* IDEAL. For Citrous Fruits. EASTLAKE INVESTMENT COMPANY, Eastlake, Fla. Published October 12, 1923.

26,863.—*Title:* DR. WHITE'S TOOTHACHE DROPS. For Medicine to Give Relief from Toothache. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published August 29, 1923.

26,864.—*Title:* DR. WHITE'S WONDERFUL LIQUID CORN REMEDY. For Medicine for the Removal of Corns, Warts, and Calli. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published August 29, 1923.

26,865.—*Title:* THE CHOCOLATE BARBECUE. For Chocolate Candies and Bonbons. GRAHAM ICE CREAM COMPANY, doing business as Graham Candy Co., Omaha, Nebr. Published December 18, 1923.

26,866.—*Title:* MI MESSENGER. For Chocolate Candies. GRAHAM ICE CREAM COMPANY, doing business as Graham Candy Co., Omaha, Nebr. Published December 18, 1923.

26,867.—*Title:* CHU CHIN CHOW. For Chocolate Candies. GRAHAM ICE CREAM COMPANY, doing business as Graham Candy Co., Omaha, Nebr. Published December 18, 1923.

26,868.—*Title:* CHOCOLATES OF CLASS. For Chocolate Candies. GRAHAM ICE CREAM COMPANY, doing business as Graham Candy Co., Omaha, Nebr. Published December 18, 1923.

26,869.—*Title:* GROPPER KNIT. For Neckties. GROPPER KNITTING MILLS, INC., New York, N. Y. Published December 15, 1923.

26,870.—*Title:* CORN FRITTER SANDWICHES. For Sandwiches. ALBERT R. HOWE, Niagara Falls, N. Y. Published November 15, 1923.

26,871.—*Title:* FAIRY SODA. For Crackers. ITEN BISCUIT CO., Omaha, Nebr. Published October 22, 1923.

26,872.—*Title:* JANTZEN. For Swimming Suit. JANTZEN KNITTING MILLS, Portland, Oreg. Published September 18, 1923.

26,873.—*Title:* DUKE. For Cigars. JOHN M. KELLER, Logansport, Ind. Published October 1, 1923.

26,874.—*Title:* CAMPO GARCIA. For Clear Havana Cigars. MANUEL CAMPO GARCIA, Chicago, Ill. Published October 11, 1923.

26,875.—*Title:* FAMOUS BRICK ICE CREAM. For Cartons and Pails Containing Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published December 1, 1923.

26,876.—*Title:* TOTEM. For Fresh Loganberries. NORTH PACIFIC CO-OPERATIVE BERRY GROWERS, Seattle, Wash. Published October 3, 1923.

26,877.—*Title:* TOTEM. For Canned Strawberries. NORTH PACIFIC CO-OPERATIVE BERRY GROWERS, Seattle, Wash. Published October 3, 1923.

26,878.—*Title:* MALBORO. For Canned Pears. RAY-MALING CO. INC., Portland, Oreg. Published October 10, 1923.

26,879.—*Title:* MALWOOD. For Canned Pears. RAY-MALING CO. INC., Portland, Oreg. Published October 10, 1923.

26,880.—*Title:* MALCROSS. For Canned Pears. RAY-MALING CO. INC., Portland, Oreg. Published October 10, 1923.

26,881.—*Title:* MALGLOW. For Canned Pears. RAY-MALING CO. INC., Portland, Oreg. Published October 10, 1923.

26,882.—*Title:* MALSHIRE. For Canned Apples. RAY-MALING CO. INC., Portland, Oreg. Published October 10, 1923.

26,883.—*Title:* FRENCH PASTRY. For Candy. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Published November 28, 1923.

26,884.—*Title:* OLD NICK FOR A NICKEL. For Candy. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Published November 30, 1923.

26,885.—*Title:* GRAVY CRYSTALS. For Gravy Crystals. SMITH & GRAY, Guinda, Calif. Published November 26, 1923.

26,886.—*Title:* THE GUMP FAMILY. For Candy. SIDNEY SMITH, Chicago, Ill. Published November 1, 1923.

26,887.—*Title:* BLACK AND WHITE. For Canned Corn. THE STANDARD, INC., Chicago, Ill. Published October 24, 1923.

26,888.—*Title:* SEMINOLE DOLLS. For Dolls and Containers for Dolls. TAMIAMI DOLL COMPANY, Miami, Fla. Published October 25, 1923.

26,889.—*Title:* U S A SOAP. For Soap. UNITED SOAP ASSOCIATION, Minneapolis, Minn. Published December 13, 1923.

26,890.—*Title:* REPRODUCO. For Player Rolls. THE VOCALSTYLE MUSIC CO., Cincinnati, Ohio. Published August 21, 1923.

PRINTS

REGISTERED FEBRUARY 5, 1924.

7,150.—*Title:* THE ESTEY RESIDENCE ORGAN BRINGS INTO THE HOME AN INFINITE VARIETY OF MUSIC. For Estey Pipe Organs. THE ESTEY ORGAN COMPANY, Brattleboro, Vt. Published December 15, 1923.

7,151.—*Title:* $1000.00 GUARANTEED MOTH KILLER. For Insecticide Used in Killing Moths. B. HELLER & COMPANY, Chicago, Ill. Published December 19, 1923.

7,152.—*Title:* $1000.00 GUARANTEED BED-BUG KILLER. For Insecticide for Killing Bedbugs and Carpet Beetles. B. HELLER & COMPANY, Chicago, Ill. Published December 19, 1923.

7,153.—*Title:* $1000.00 GUARANTEED ROACH KILLER. For Insecticide for Killing Roaches and Water Bugs. B. HELLER & COMPANY, Chicago, Ill. Published December 19, 1923.

7,154.—*Title:* LAMBERT'S SERVICE. For Cleaned and Dyed Garments and Cloth. CLAUDE L. LAMBERT, Fairbury, Nebr. Published July 27, 1922.

7,155.—*Title:* THERE'S A PLUMBER IN EVERY CAN. For Drain Opener. PACIFIC CHEMICAL COMPANY, Los Angeles, Calif. Published September 24, 1923.

7,156.—*Title:* WOULD YOU BE HIS CHOICE FOR THE DANCE? For Palmolive Soap. THE PALMOLIVE COMPANY, Milwaukee, Wis. Published December 20, 1923.

7,157.—*Title:* THAT'S THE TAB. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published September 1, 1923.

7,158.—*Title:* THAT'S THE TAB. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published September 1, 1923.

7,159.—*Title:* SAY TO YOUR DEALER "PACK THEM IN SEALRIGHT CONTAINERS." For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published December 8, 1923.

7,160.—*Title:* THAT'S THE TAB. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published November 1, 1923.

7,161.—*Title:* SEALRIGHT POURING-PULL MILK BOTTLE CAPS. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published September 27, 1923.

7,162.—*Title:* CLEANER TO CARRY FRESHER AT HOME. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published August 18, 1923.

7,163.—*Title:* SEALRIGHT POURING-PULL MILK BOTTLE CAPS. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published October 25, 1923.

7,164.—*Title:* BUY OYSTERS THIS BETTER WAY. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published October 13, 1923.

7,165.—*Title:* PACK YOUR DAIRY PRODUCTS IN SEALRIGHT LIQUID-TIGHT PAPER CONTAINERS. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published September 7, 1923.

7,166.—*Title:* SEALRIGHT LIQUID TIGHT PAPER CONTAINERS. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published November 1, 1923.
TLE CAPS. For Pouring-Pull Milk-Bottle Caps.

7,167.—*Title:* SEALRIGHT POURING-PULL MILK BOTTLE CAPS. For Pouring-Pull Milk-Bottle Caps. SEALRIGHT CO., INC., Fulton, N. Y. Published December 20, 1923.

7,168.—*Title:* ROLL YOUR OWN NICOTINE DUST WITH BLACK LEAF 40 AND CUT COSTS IN HALF. For "Black Leaf 40" (Sulphate of Nicotine.) TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, Louisville, Ky. Published November 21, 1923.

7,169.—*Title:* WARD'S PARADISE FRUIT CAKE. For Cake. WARD BAKING COMPANY, New York, N. Y. Published November 9, 1923.

7,170.—*Title:* WARRANTY. For Bread. WARD BAKING COMPANY, New York, N. Y. Published April 17, 1923.

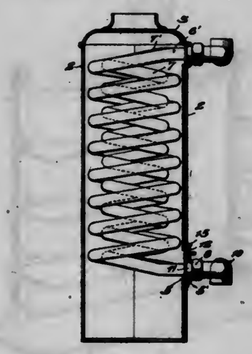
7,171.—*Title:* PINE HEMLOCK AND HARDWOOD LUMBER LATH SHINGLES AND CEDAR PRODUCTS. For Lumber. JAMES E. WARD, Springfield, Ohio. Published September 1, 1922.

7,172.—*Title:* BUILDERS' SUPPLIES. For Builders' Supplies. JAMES E. WARD, Springfield, Ohio. Published September 1, 1922.

REISSUES

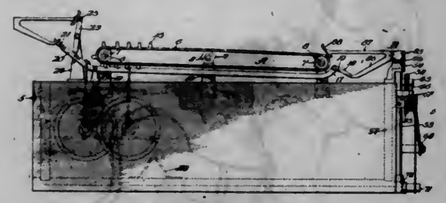
FEBRUARY 5, 1924.

15,753. WATER HEATER. EDWIN RUUD, Pittsburgh, Pa., assignor to Ruud Manufacturing Company, Camden, N. J., a Corporation of New Jersey. Filed Nov. 22, 1922. Serial No. 602,646. Original No. 1,050,564. dated Jan. 14, 1913, Serial No. 695,431, filed May 6, 1912. 18 Claims. (Cl. 122—250.)



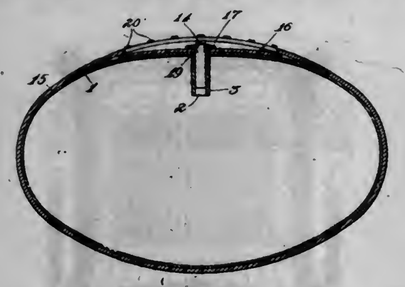
1. In a water heater, the combination of a casing having a plurality of openings in the lateral wall thereof, one of said openings being in the form of a notch in the upper edge of said wall, a coil of relatively thin tubing within the casing, combined coupling and supporting devices of tubular form engaging the ends of the coil and seated in said openings substantially at right angles to the longitudinal axis of said coil, water circulating connections at the exterior of the casing uniting with said devices, and means removably holding the devices seated in the casing openings, whereby said coil is supported in said casing by means of said devices.

15,754. CONVEYING MECHANISM. FLOYD T. TAYLOR, Matawan, N. J., assignor to A. P. Munning & Co., Newark, N. J., a Corporation of New Jersey. Filed Apr. 13, 1923. Serial No. 631,921. Original No. 1,382,144, dated June 21, 1921, Serial No. 274,113, filed Jan. 30, 1919. 35 Claims. (Cl. 214—89.)



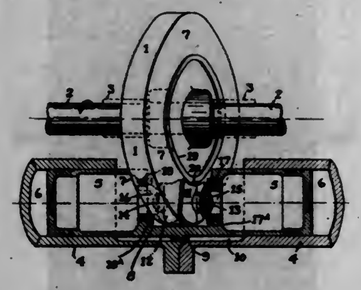
1. A conveying mechanism having a plurality of independently movable conveyers adapted to transport material in different receptacles, and mechanism operable independently for intermittently transferring the material from one conveyer to another.

15,755. INFLATABLE BALL. REX H. TAYLOR, Rochester, N. Y. Filed Dec. 18, 1923. Serial No. 681,440. Original No. 1,473,260, dated Nov. 6, 1923, Serial No. 535,102, filed Feb. 8, 1922. 3 Claims. (Cl. 46—4.)



1. An inflated ball having a bladder composed of thin, flexible material and having a tubular stem integral therewith extending into the interior of the bladder, in combination with a valve having a casing secured to the inner periphery of said stem and projecting some distance outside of the bladder, the protruding portion of said valve casing being screw threaded on its outer periphery in combination with a screw-threaded washer which is separable from the valve casing and which is adapted to be screwed down on the valve casing to clamp a cover to the bladder.

15,756. MECHANISM FOR THE INTERCONVERSION OF RECIPROCATING AND ROTARY MOTION. ANTHONY GEORGE MALDON MICHELL, Melbourne, Victoria, Australia, assignor to Crankless Engines, (Aus) Proprietary Limited, Melbourne, Victoria, Australia. Filed Oct. 31, 1923. Serial No. 671,845. Original application filed June 11, 1918, Serial No. 239,384. Renewed Apr. 28, 1921, Serial No. 465,243. Original No. 1,409,057, dated Mar. 7, 1922. 13 Claims. (Cl. 74—14.)



1. In mechanism of the character described, the combination of a swash plate, a reciprocable element, and a slipper of the oil film lubricating type quaquaversally articulated to said reciprocable element so as to permit the working surface of said plate and said slipper to co-act.

DESIGNS

FEBRUARY 5, 1924.

63,863. ELECTRIC HEATER. JULIUS F. ADAMS, Pittsburgh, Pa. Filed Aug. 8, 1923. Serial No. 6,985. Term of patent 14 years.



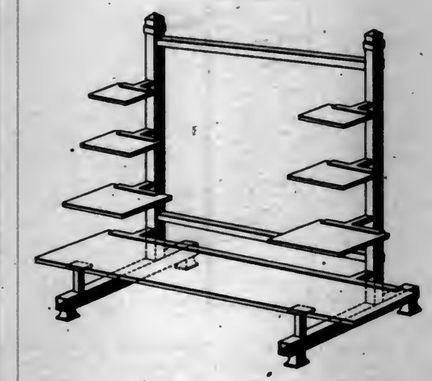
The ornamental design for an electric heater substantially as shown.

63,864. TEXTILE FABRIC OR ARTICLE OF SIMILAR NATURE. WILLIAM H. ADAMS, Kenyon, R. I., assignor to Eastern Finishing Works, Incorporated, Kenyon, R. I., a Corporation of Rhode Island. Filed Sept. 15, 1923. Serial No. 7,215. Term of patent 14 years.



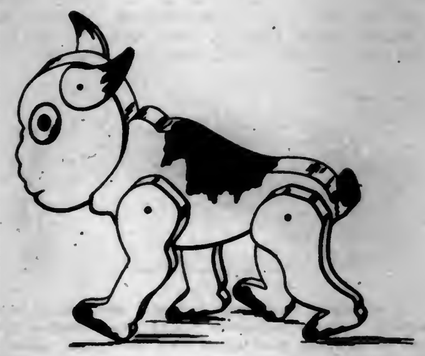
The ornamental design for textile fabric or article of similar nature substantially as shown.

63,865. DISPLAY STAND. WILLIAM H. AVERILL, Boston, Mass., assignor to Bell Clip Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1922. Serial No. 4,330. Term of patent 14 years.



The ornamental design for a display stand, as shown.

63,866. TOY ANIMAL. GRACE B. BARONS, Rochester, N. Y. Filed Apr. 3, 1922. Serial No. 1,517. Term of patent 14 years.



The ornamental design for a toy animal as shown.

63,867. DASH LAMP. HUGH W. BATCHELLER, Worcester, Mass., assignor to Worcester Electric Supply Company, a Corporation of Massachusetts. Filed Nov. 1, 1922. Serial No. 4,182. Term of patent 3½ years.



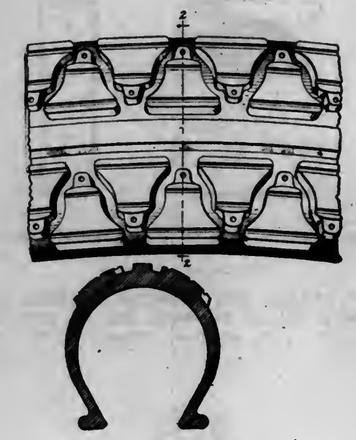
The ornamental design for a dash lamp, as shown

63,868. MINER'S LAMP. FRED R. BELT, Chicago, Ill. assignor to Fred R. Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1923. Serial No. 5,853. Term of patent 14 years.



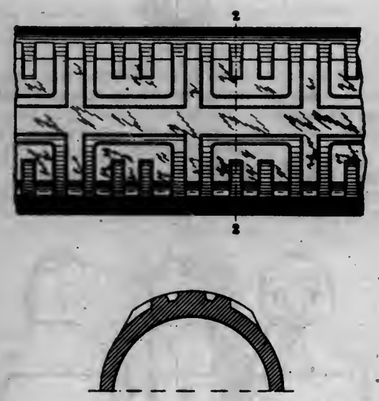
The ornamental design for a miner's lamp as shown.

63,869. PNEUMATIC-TIRE TREAD. HARRY S. BERLIN, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed June 4, 1923. Serial No. 6,887. Term of patent 14 years.



The ornamental design for a pneumatic tire tread as shown.

63,870. AUTOMOBILE TIRE. EDWIN W. BIERMAN, Keokuk, Iowa, assignor to Standard Four Tire Company, Keokuk, Iowa, a Corporation of Iowa. Filed Nov. 22, 1923. Serial No. 7,849. Term of patent 7 years.



The ornamental design for an automobile tire as shown.

63,871. COLOGNE BOTTLE. JOHN H. BLAKNEY, Milwaukee, Wis., assignor to Lournay, Inc., Milwaukee, Wis., a Corporation of Delaware. Filed July 12, 1923. Serial No. 6,770. Term of patent 14 years.



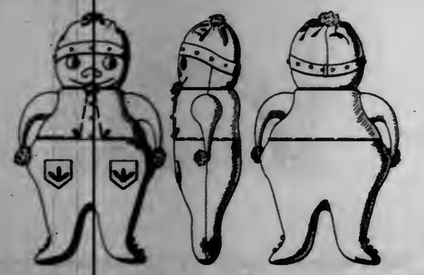
The ornamental design for a cologne bottle, as shown.

63,872. HOLDER FOR DRINKING GLASSES. JAMES H. BOYD, Chicago, Ill. Filed Aug. 23, 1922. Serial No. 3,532. Term of patent 14 years.



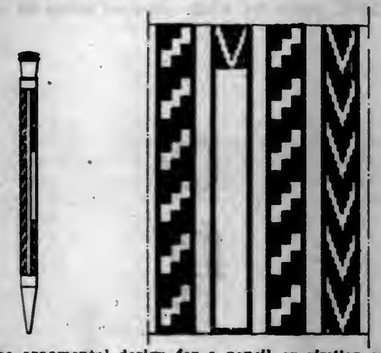
The ornamental design for a holder for drinking glasses, as shown.

63,873. DOLL. NETTIE J. CHINN, Inglewood, Calif. Filed Dec. 21, 1922. Serial No. 4,051. Term of patent 3½ years.



The ornamental design for a doll, as shown.

63,874. PENCIL OR SIMILAR ARTICLE. ROY A. CLEELAND, Butler, Pa. Filed June 22, 1922. Serial No. 2,763. Term of patent 14 years.



The ornamental design for a pencil or similar article, as shown.

63,875. CANDLE. GARDNER L. CONLEY, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 1, 1923. Serial No. 5,041. Term of patent 14 years.



The ornamental design for a candle as shown.

63,876. CANDLE. GARDNER L. CONLEY, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 8, 1923. Serial No. 5,128. Term of patent 14 years.



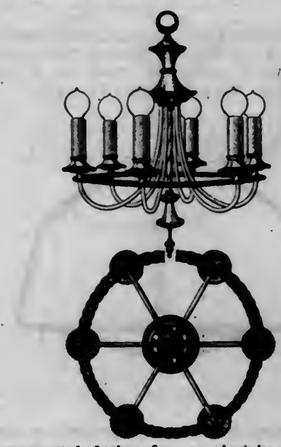
The ornamental design for a candle as shown.

63,877. CANDLE. GARDNER L. CONLEY, Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Mar. 22, 1923. Serial No. 5,556. Term of patent 14 years.



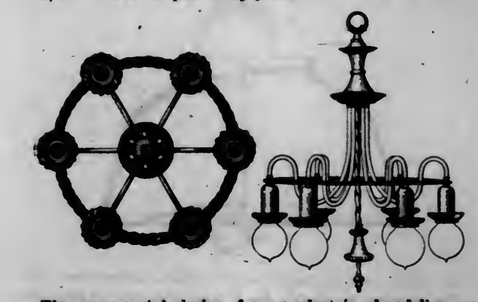
The ornamental design for a candle as shown.

63,878. ELECTRIC CHANDELIER. ABRAHAM COOPER Brooklyn, N. Y. Filed May 18, 1923. Serial No. 6,199. Term of patent 3½ years.



The ornamental design for an electric chandelier, as shown.

63,879. ELECTRIC CHANDELIER. ABRAHAM COOPER Brooklyn, N. Y. Filed May 18, 1923. Serial No. 6,200. Term of patent 3½ years.



The ornamental design for an electric chandelier, as shown.

63,880. PLURAL-SOCKET PLUG. JAMES S. CUMING, St. Louis, Mo. Filed July 18, 1921. Serial No. 485,751. Term of patent 14 years.



The ornamental design for a plural socket plug, as shown.

63,881. PLURAL-SOCKET PLUG. JAMES S. CUMING, St. Louis, Mo. Filed Jan. 20, 1922. Serial No. 294. Term of patent 14 years.



The ornamental design for a plural socket plug, as shown.

63,882. COFFEEPOT OR SIMILAR ARTICLE. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary and Clark, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 13, 1922. Serial No. 1,721. Term of patent 14 years.



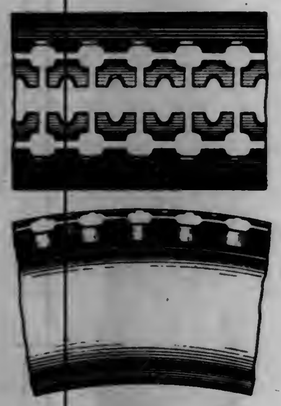
The ornamental design for a coffee pot or similar article as shown.

63,883. CHAIR SEAT. CHARLES DAUM, Forest Hills, N. Y., assignor to American Fibre Chair Seat Corp., Long Island City, N. Y., a Corporation of New York. Filed Mar. 1, 1923. Serial No. 5,334. Term of patent 3½ years.



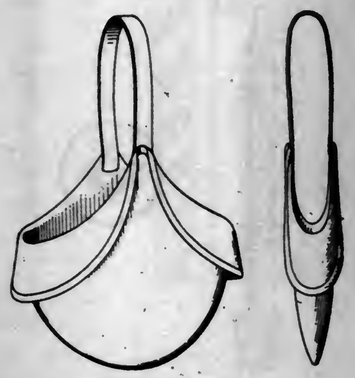
The ornamental design for a chair seat as shown.

63,884. VEHICLE TIRE. GEORGE W. DAUM, Jeannette, Pa., assignor to Pennsylvania Rubber Company, Jeannette, Pa., a Corporation of Pennsylvania. Filed Nov. 27, 1923. Serial No. 7,895. Term of patent 14 years.



The ornamental design for a vehicle tire, as shown.

63,885. LADY'S BAG. ELIZABETH T. DAVIS, Long Beach, Calif. Filed Nov. 20, 1922. Serial No. 4,333. Term of patent 3½ years.



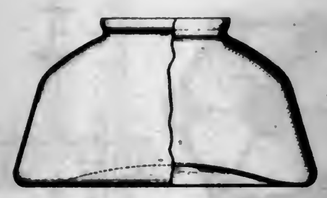
The ornamental design for a lady's bag as shown.

63,886. LAMP GLOBE. ADOLPH F. DICKERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 3, 1923. Serial No. 7,387. Term of patent 14 years.



The ornamental design for a lamp globe as shown.

63,887. LAMP GLOBE. ADOLPH F. DICKERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 3, 1923. Serial No. 7,388. Term of patent 14 years.



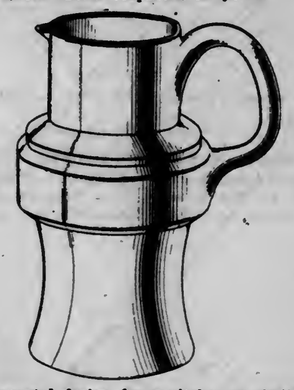
The ornamental design for a lamp globe as shown.

63,888. BIRDCAGE STAND. ANDREW V. ESVING, Detroit, Mich. Filed Mar. 20, 1922. Serial No. 1,274. Term of patent 3½ years.



The ornamental design for a birdcage stand as shown.

63,889. PITCHER OR SIMILAR ARTICLE. FRANK E. FECK, Morgantown, W. Va. Filed May 16, 1923. Serial No. 6,169. Term of patent 14 years.



The ornamental design for a pitcher or similar article as shown.

63,890. FINGER RING OR ARTICLE OF SIMILAR NATURE. LOUIS FIEDLER, New York, N. Y., assignor to Benjamin Gross Company, Inc., New York, N. Y., a Corporation of New York. Filed July 28, 1923. Serial No. 6,887. Term of patent 3½ years.



The ornamental design for a finger ring or article of similar nature as shown.

63,891. SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn. Filed Dec. 13, 1923. Serial No. 8,019. Term of patent 7 years.



The ornamental design for salt and pepper shaker substantially as shown.

63,892. BELL. WILLIAM H. FULPER, Flemington, N. J. Filed May 5, 1922. Serial No. 2,103. Term of patent 3½ years.



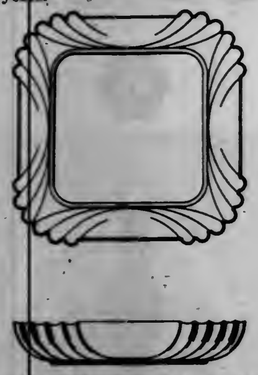
The ornamental design for a bell, as shown in the drawing.

63,893. BOWL OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 2, 1923. Serial No. 7,382. Term of patent 7 years.



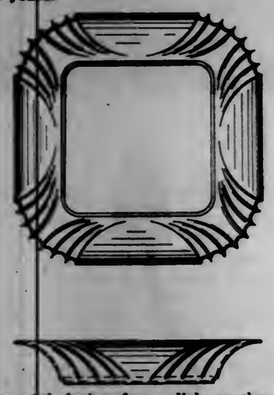
The ornamental design for a bowl or similar article, substantially as shown.

63,894. DISH. BONIFACE A. GRASBERGER, Richmond, Va. Filed Nov. 17, 1922. Serial No. 4,820. Term of patent 14 years.



The ornamental design for a dish as shown.

63,895. DISH. BONIFACE A. GRASBERGER, Richmond, Va. Filed July 16, 1923. Serial No. 6,785. Term of patent 14 years.



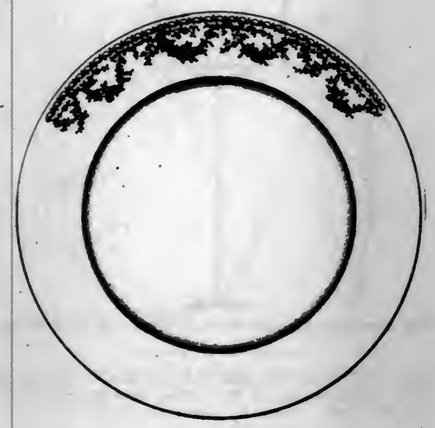
The ornamental design for a dish as shown.

63,896. DOLL. KATHLEEN WATT HARSHBERGER, Wauwatosa, Wis. Filed Oct. 13, 1923. Serial No. 7,487. Term of patent 7 years.



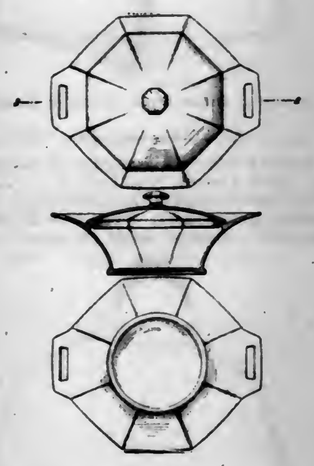
The ornamental design for a doll, as shown.

63,897. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Feb. 24, 1922. Serial No. 885. Term of patent 14 years.



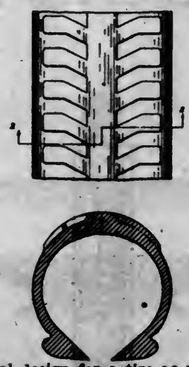
The ornamental design for a plate or similar article, as shown.

63,898. BOWL OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed May 24, 1922. Serial No. 2,402. Term of patent 14 years.



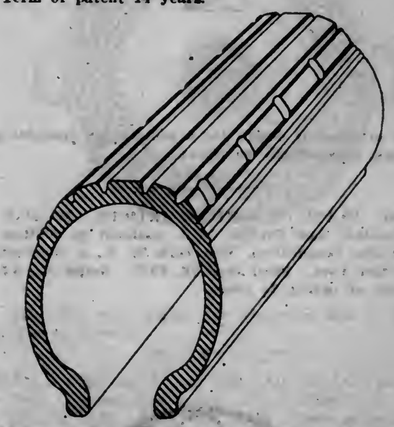
The ornamental design for a bowl, or similar article, as shown.

63,899. TIRE. ROBERT T. HOWES, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 24, 1922. Serial No. 3,185. Term of patent 14 years.



The ornamental design for a tire as shown.

63,900. TIRE. HOMER J. HOYT, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Nov. 9, 1923. Serial No. 7,727. Term of patent 14 years.



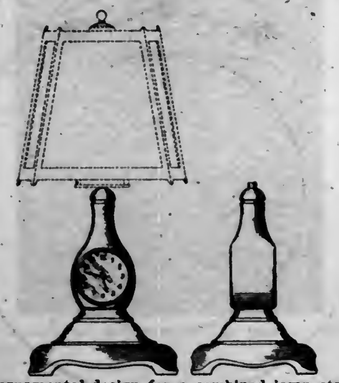
The ornamental design for a tire as shown.

63,901. PLATE OR SIMILAR ARTICLE. ROBERT SCOTT KERR, Chicago, Ill., assignor to Christopher H. Ueberroth, Chicago, Ill. Filed Aug. 2, 1923. Serial No. 6,929. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

63,902. COMBINED LAMP STAND AND CLOCK. STEPHEN KRONBURGER, Hoboken, N. J., assignor to Melita White Metal Casting Co., New York, N. Y., a Copartnership consisting of John Exposite, Joseph Mifsud, Paul Mifsud, and Lorenzo Micallef. Filed Apr. 7, 1923. Serial No. 5,713. Term of patent 3½ years.



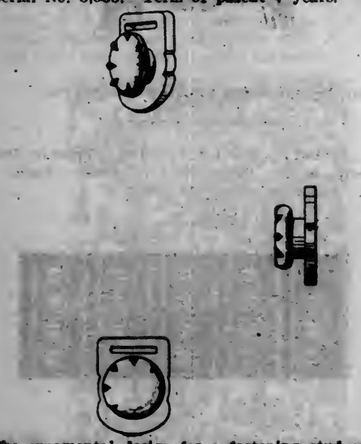
The ornamental design for a combined lamp stand and clock as shown.

63,903. LOCKET OR SIMILAR ARTICLE OF JEWELRY. ALVIN LANG, San Francisco, and Edward H. FORESTIER, San Mateo, Calif. Filed Dec. 13, 1922. Serial No. 4,585. Term of patent 14 years.



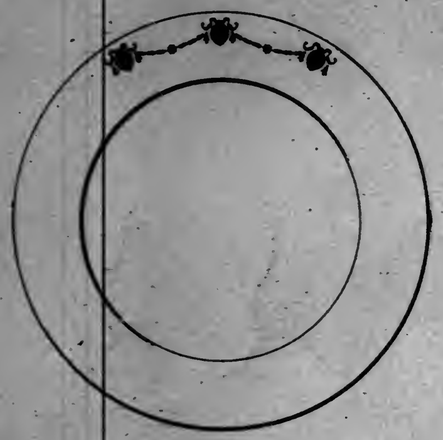
The ornamental design for locket, or similar article of jewelry, as shown.

63,904. FASTENING STUD OR BUTTON. ERNEST ALFRED LILLIE, Leicester, England. Filed Aug. 23, 1922. Serial No. 3,535. Term of patent 7 years.



The ornamental design for a fastening stud or button as shown.

63,905. PLATE OR SIMILAR ARTICLE. RANDOLPH E. LUKENS, Syracuse, N. Y., assignor to The Iroquois China Company, Syracuse, N. Y. Filed Apr. 10, 1923. Serial No. 5,772. Term of patent 7 years.



The ornamental design for a plate or similar article as shown.

63,906. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Kentucky. Filed Oct. 10, 1923. Serial No. 7,466. Term of patent 7 years.



The ornamental design for heater, as shown.

63,907. ELASTIC WOVEN FABRIC. THOMAS MOORE, Westerly, R. I. Filed Aug. 4, 1923. Serial No. 6,942. Term of patent 14 years.



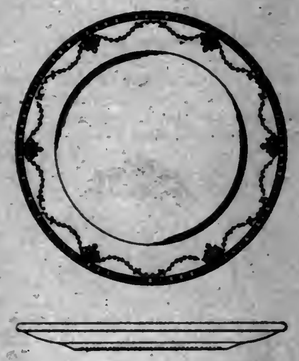
The ornamental design for elastic woven fabric, as shown.

63,908. RADIANT FOR OPEN-FIRE GAS HEATERS. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed July 27, 1923. Serial No. 6,875. Term of patent 7 years.



An ornamental design for a radiant for open-fire gas heaters, substantially as shown.

63,909. PLATE OR SIMILAR ARTICLE. WILLIAM S. PITCAIRN, East Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y., a Corporation of New York. Filed June 16, 1923. Serial No. 6,515. Term of patent 3½ years.



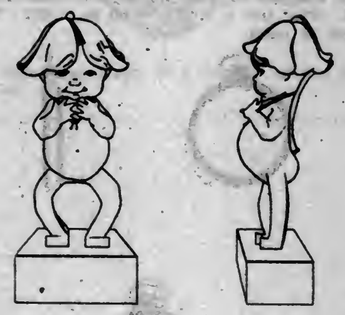
The ornamental design for a plate or similar article as shown.

63,910. COVERED DISH OR SIMILAR ARTICLE. WILLIAM S. PITCAIRN, East Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y., a Corporation of New York. Filed June 16, 1923. Serial No. 6,514. Term of patent 3½ years.



The ornamental design for a covered dish or similar article as shown.

63,911. STATUETTE OR SIMILAR MINIATURE FIGURE. GEORGIA ALLEN POST, Forest Hills, N. Y. Filed June 5, 1923. Serial No. 6,390. Term of patent 14 years.



The ornamental design for a statuette or similar miniature figure as shown and described.

63,912. SAFETY PAPER. HARRY A. PRIZER, Philadelphia, Pa., assignor to William Mann Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 28, 1922. Serial No. 3,577. Term of patent 14 years.



The ornamental design for safety paper, substantially as shown.

63,913. STATUETTE. GEORGE H. ROBERTS, Providence, R. I., assignor to Freeman-Daughaday Co., Chartley, Mass., a Corporation of Massachusetts, also doing business as Providence Collar Button Company, Providence, R. I. Filed Sept. 17, 1923. Serial No. 7,227. Term of patent 3½ years.



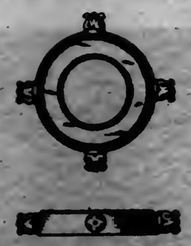
The ornamental design for a statuette, as shown.

63,914. TEXTILE FABRIC. MAX ROTHSCHILD, New York, N. Y., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Nov. 20, 1923. Serial No. 7,828. Term of patent 3½ years.



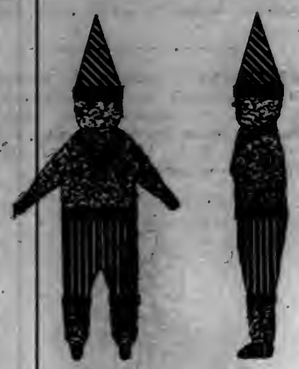
The ornamental design for a textile fabric as shown.

63,915. LAMP-SHADE SUPPORT. EDWARD C. RUTTENBERG, Chicago, Ill. Filed Feb. 3, 1923. Serial No. 5,069. Term of patent 3½ years.



The ornamental design for a lamp shade support as shown.

63,916. DOLL. HENRY M. SAMPSON, Tonkawa, Okla. Filed Jan. 21, 1922. Serial No. 312. Term of patent 14 years.



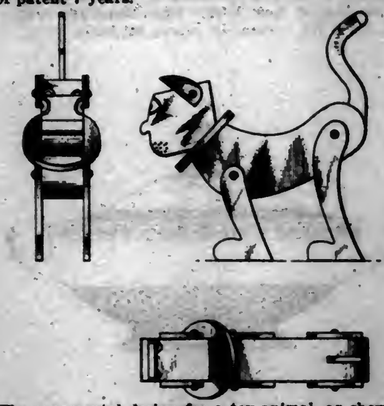
The ornamental design for a doll, as shown.

63,917. FINGER RING. SAMUEL SCHNELLING, Chicago, Ill. Filed July 15, 1922. Serial No. 3,093. Term of patent 3½ years.



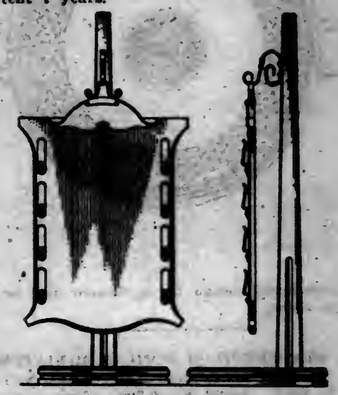
The ornamental design for a finger ring, as shown.

63,918. TOY ANIMAL. WALTER B. SCOTT, Marblehead, Mass. Filed June 5, 1923. Serial No. 6,391. Term of patent 7 years.



The ornamental design for a toy animal, as shown.

63,919. DISPLAY STAND. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Oct. 19, 1923. Serial No. 7,544. Term of patent 7 years.



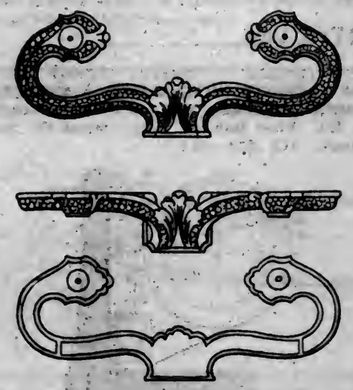
The ornamental design for a display stand, as shown.

63,920. WATCHCASE. OTTO A. STARKE, Ludington, Mich., assignor to Star Watch Case Co., Ludington, Mich. Filed Oct. 8, 1923. Serial No. 7,423. Term of patent 14 years.



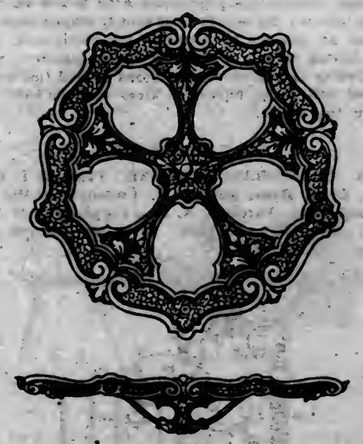
The ornamental design for a watchcase, as shown.

63,921. TWO-LIGHT ARM FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J. Filed Nov. 6, 1923. Serial No. 7,690. Term of patent 7 years.



The ornamental design for a two light arm for lighting fixtures, as shown.

63,922. RING FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J. Filed Nov. 6, 1923. Serial No. 7,694. Term of patent 7 years.



The ornamental design for a ring for lighting fixtures, as shown.

63,923. SPOON OR SIMILAR ARTICLE. WILLIAM S. WARREN, Meriden, Conn., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn., a Corporation. Filed July 19, 1923. Serial No. 6,807. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

63,924. SPOON OR SIMILAR ARTICLE. FREDERICK RUSSELL WOODWARD, Attleboro, Mass., assignor to The Watson Company, Attleboro, Mass. Filed Feb. 19, 1923. Serial No. 5,212. Term of patent 14 years.

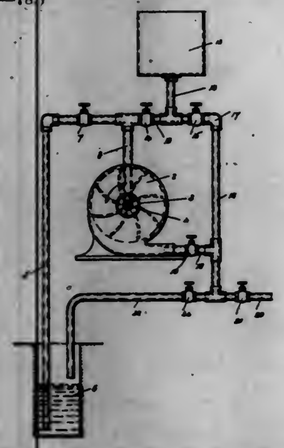


The ornamental design for a spoon, or similar article, as shown.

PATENTS

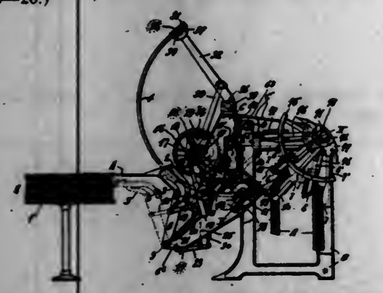
GRANTED FEBRUARY 5, 1924.

1,482,376. PUMP. ALBERT C. ANDERSON, Antonito, Colo. Filed Dec. 28, 1921. Serial No. 525,452. 2 Claims. (Cl. 137—78.)



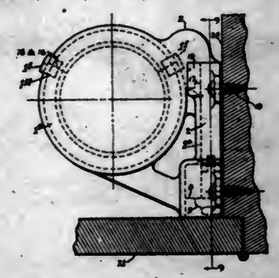
1. A single pump provided with an inlet pipe and a delivery pipe having a stop valve, a single suction pipe connected to the inlet pipe and also provided with a stop valve, a main pipe connected at one end to the suction pipe and provided with a branch pipe and having two stop valves arranged one on each side of the branch pipe, a storage tank connected to the branch pipe, a supply pipe and a by-pass pipe arranged below the level of the said main pipe and in line with each other and each provided with a stop valve, and a pipe connecting the said main pipe with the delivery pipe of the pump and with the said supply and by-pass pipes between their stop valves.

1,482,377. BAG-TURNING MACHINE. BIRNEY C. BATCHELLER, Brooklyn, N. Y., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a Corporation of Missouri. Filed Jan. 16, 1922. Serial No. 529,561. 29 Claims. (Cl. 223—20.)



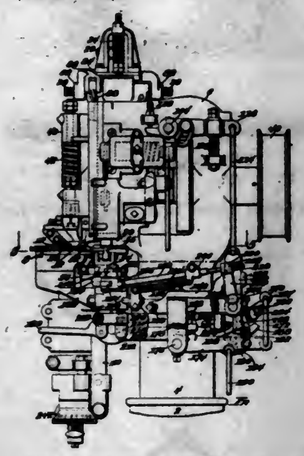
1. In a bag-turning machine, a bag-holder adapted to secure the mouth of the bag, a pair of bag-turning members having bag-engaging ends adapted to enter the mouth of the bag held by said holder, and means whereby said bag-engaging ends are advanced in curved lines diverging from said bag holder, said means including pivots on which the respective bag-turning members are moved and the axes of said pivots being at an angle to each other.

1,482,378. DEPOSIT AND COLLECTION RECEPTACLE FOR MILK BOTTLES. WILLIAM N. BATCHELOR, Baltimore, Md. Filed Mar. 30, 1922. Serial No. 548,200. 7 Claims. (Cl. 232—42.)



1. In a device for receiving and securing milk-bottles, the combination of a member including a U-shaped part and a channel, the U-shaped part being formed with a downwardly converging inner surface for supporting a milk bottle by its mouth-bead, and a second member including a bolt which is mounted to slide in said channel, said second member being provided with means to close the space between the terminals of said U-shaped part and thus form an annulus to surround the bottle-neck, said channel having therein a shoulder for engagement with said bolt so as to lock the device closed around the bottle-neck, said bolt being releasable from said shoulder for unlocking the device.

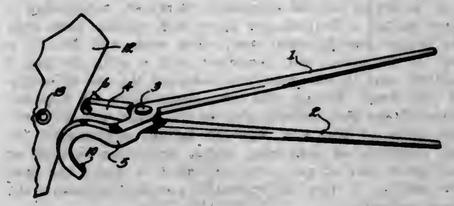
1,482,379. CHANNELING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 20, 1918. Serial No. 263,389. 56 Claims. (Cl. 12—27.)



25. In a turn channeling machine of the type in which the edge gage is adjustable and the shoulder knife is removable from cutting position, said adjustment of the edge gage including a movement both toward and from the channel knife and both of said parts being under control

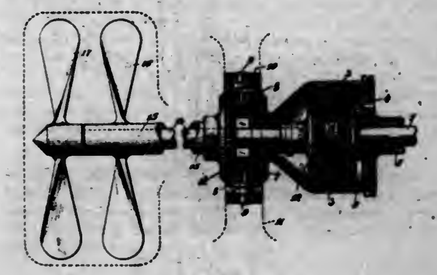
of a single actuating mechanism, the combination with said mechanism of a locking device for holding the shoulder knife in its raised position, said device being actuated into its locking position by the movement of said gage from the channel knife and released by the movement of said gage toward the channel knife.

1,482,380. TONGS. CORRINNE N. BUCHANAN, Everson, Wash., assignor of one-half to L. Daniels, Everson, Wash. Filed Jan. 3, 1922. Serial No. 526,818. 1 Claim. (Cl. 81—3.)



A pair of plow share tongs of the class described, comprising two crossed pivotally joined handles with jaws extending therefrom; one of said jaws being substantially straight, and is adapted, when the tongs are in use, to flatly engage one side of the plow share and having an inwardly projecting stud at its end for extension within an opening in the said plow share; the other of the jaws being adapted to flatly engage the face of the plow share opposite that engaged by the straight jaw, and is of hook form and extends circularly about the opening in the plow share and is provided with an inturned hook at its end for engaging the edge of the share.

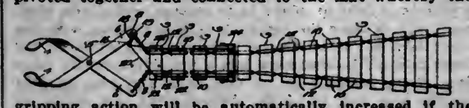
1,482,381. PROPULSION MECHANISM. HORACE M. CAKE, Philadelphia, Pa. Filed July 6, 1918. Serial No. 243,523. 4 Claims. (Cl. 115—37.)



1. In a propulsion mechanism in combination, a driving shaft, a transmission head carried on said driving shaft, compensating gears upon said transmission head, a face plate carrying thereon a beveled gear in engagement with the compensating gears, a tubular shaft, a propeller on said tubular shaft, a casing secured to said face plate, reversing gearing operatively connecting said casing and said tubular shaft, a cylindrical shaft mounted within said tubular shaft, a propeller carried upon said cylindrical shaft and a beveled gear on the cylindrical shaft and in engagement with the compensating gears; the driving shaft, the tubular shaft, and the cylindrical shaft, all being in axial alignment.

1,482,382. EXTRICATING DEVICE FOR MOTOR VEHICLES. WALTER C. E. CARLSON, Chicago, Ill. Filed Aug. 19, 1922. Serial No. 582,872. 4 Claims. (Cl. 238—14.)

1. A device for extricating vehicle wheels from the mud, consisting of a mat, and a self-tightening clamp adapted to grip the sides of the wheel, said clamp having lever arms pivoted together and connected to the mat whereby the



gripping action will be automatically increased if the wheel slips on the mat while rotating in forward direction.

1,482,383. SLIDING GLASS WINDOW. ROBERT MARTIN CHAMBERS and JOSEPH JACKSON, Belfast, Ireland. Filed Dec. 29, 1921. Serial No. 525,548. 4 Claims. (Cl. 20—52.1.)



1. The combination with a window casing, of an unframed glass panel slidable vertically in fixed guideways in said window casing, in which the lateral margins of the glass fit closely, whereby the panel has no movement in a direction transversely thereof, a weather-plate pivotally mounted on the window sill on the exterior of the panel, and adapted to bear against the glass as the panel is raised or lowered, said panel having a lip on its exterior and above its lower edge, which lip is adapted to engage said weather-plate when the panel is fully raised, whereby the weather-plate operates to support the panel in raised position.

1,482,384. SPRING CATCH OR FASTENER. JOHN ARTHUR CHAMBERS, Belfast, Ireland. Filed Mar. 31, 1922. Serial No. 548,304. 3 Claims. (Cl. 292—70.)



1. A device for retaining a motor car bonnet in its closed position with the marginal portion of its inner face in contact with an abutment, comprising in combi-

nation a blade spring which is secured at one end upon the inner face of the bonnet and the free end portion of which is curved to adapt it to engage behind the abutment and to draw the bonnet into close contact with the outer face of the abutment, a bevelled projection on the outer face of the abutment, and a projection on the inner face of the bonnet near its free horizontal edge adapted to ride over and, under the action of the said spring, to become engaged under the projection on the abutment.

1,482,385. SHIRT STUD. PHILIP COHEN, Buffalo, N. Y. Filed May 4, 1923. Serial No. 637,718. 8 Claims. (Cl. 24—90.)

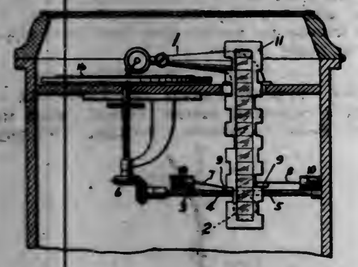


1. A shirt-stud of the character described, comprising a pair of spaced arms joined at one end and open at the other end, an outwardly projecting neck formed on the free end of one of said arms for engagement with a button-hole of the outer flap of a shirt and terminating in a stop collar for the latter, and adjustable retaining means mounted on said neck and adapted for movement across the space between said arms for engagement with an alining buttonhole of the inner shirt-flap.

1,482,386. PROCESS FOR MANUFACTURING ARTIFICIAL-SILK THREADS OR OTHER CELLULOSE FIBERS. LEROY SMITH CONVERSE, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,598. 6 Claims. (Cl. 18—54.)

2. A process for manufacturing artificial silk threads or other cellulose fibres in which the threads or fibres are subjected to freezing before the first drying operation.

1,482,387. TALKING-MACHINE PICTURE EXHIBITOR. WILLIAM J. DONALDSON, Philadelphia, Pa., assignor to The Visualatone Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 5, 1921. Serial No. 458,825. 2 Claims. (Cl. 88—28.)



1. In a talking machine picture exhibitor the combination of a screw having right and lefthand threads, means for driving the screw in synchronism with the talking machine, opposed movable detents, means for normally projecting the detents and for permitting of their retraction, half nuts carried by the detents, devices for normally holding the half nuts clear of the screw to free the detents for projection and for permitting the nuts to engage the screw to retract the detents, and a picture frame carrying pictures and movable to bring the pictures successively into co-operation with the exhibitor and marginally provided with staggered notches of different depths into which the detents are projected to permit notch top walls to cause the nuts to alternately engage with the screw and from which the nuts are withdrawn by the screw at intervals depending upon the depth of the notches.

1,482,388. CLOTHESLINE LOCK. JOHN JOSEPH DUKET, Toledo, Ohio. Filed Sept. 27, 1920. Serial No. 413,156. 3 Claims. (Cl. 24—133.)

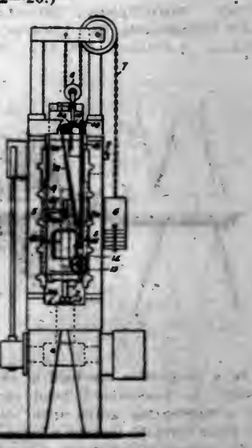


3. A device of the described character, comprising a lever having a hook-shaped upper end, having, also, near its center two laterally projecting lugs, and having a seat in its lower end, combined with a plate having a vertical slot in its upper part adapted for the reception of the lever, having also two screw-holes at opposite sides of the slot, having also in its inner face at opposite sides of the slot, opposed lateral depressions for the reception of said lugs, and a projection formed on the lower end of the plate arranged to enter the seat for holding a line in clamping position adjacent the lever mounting.

1,482,389. PROCESS OF AND MIXTURE FOR MAKING GLASS. ALEXANDER L. DUVAL D'ADRIAN, Washington, Pa. Filed Feb. 10, 1921. Serial No. 444,016. 13 Claims. (Cl. 106—36.1.)

1. A glass-forming mixture containing iron and a chlorine compound adapted to act as an oxidising agent.

1,482,390. FEED MECHANISM FOR BOLT-TURNING AND OTHER MACHINES. JAMES A. EDEN, Jr., Springfield, Mass., assignor to Walter H. Foster, New York, N. Y. Filed May 14, 1921. Serial No. 469,533. 15 Claims. (Cl. 82—20.)

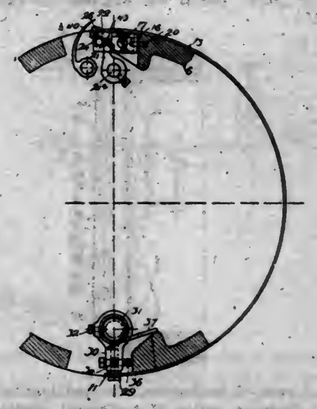


4. A machine of the class described including in combination a tool carrier, feeding means, means for decreasing the effective rate of feed and for automatically stopping the advance of the tool for an interval during which said feeding means continues to operate and means for stopping the operation of said feeding means at the end of said interval and automatically restoring said carrier to its starting position.

1,482,391. CUTTING AND CREASING PRESS. FRED S. ENGLISH, New London, Conn. Filed Feb. 3, 1921. Serial No. 442,096. 10 Claims. (Cl. 101—415.1.)

1. In a press the combination with the impression cylinder, of a jacket for the impression portion thereof, a strip secured across the leading edge of the jacket

at the inner surface thereof and having its outer surface curved to conform to the curvature of the cylinder surface, a second strip inside said first strip, means for



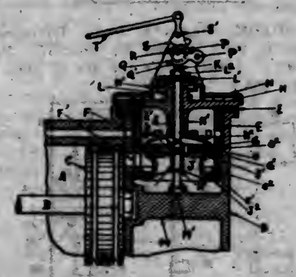
securing said strips together and adapted to permit the strips to be slightly separated to permit make ready to be inserted between the strips.

1,482,392. PROCESS OF MEASURING PISTON RINGS. HARRY S. FRANK, Woodmere, N. Y. Filed Apr. 21, 1920. Serial No. 375,538. 8 Claims. (Cl. 33—179.)



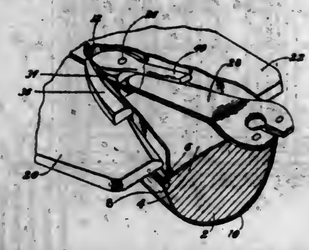
1. The process of measuring the true shape of a split piston ring which comprises compressing the ring to its supposedly correct working size within a rigid receiver havng an opening of the exact size for which the ring is intended, firmly tying a flexible tie around the compressed ring, releasing the tied ring from the rigid receiver and successively measuring the ring's diameters at diametrically opposite points of its circumference.

1,482,393. ENGINE-VALVE MECHANISM. JOHN C. GLENN, Erie, Pa., assignor to Skinner Engine Company, Erie Pa., a Corporation of Pennsylvania. Filed Nov. 15, 1919, Serial No. 338,321. Renewed Oct. 29, 1923. 2 Claims. (Cl. 121—185.)



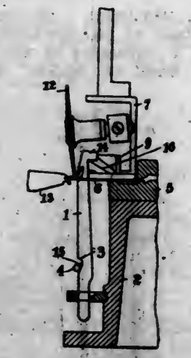
1. In a device of the class described, a chamber having radial steam passages through the wall thereof, an annular shoulder on the inner wall of said chamber above said steam passages, a movable valve seat ring resting on said shoulder, means to yieldingly press said ring against said shoulder, a stationary annular valve seat on the inner end of the wall of said chamber, a cover for said chamber, a double seat valve adapted to seat against said movable valve seat ring and against said stationary annular valve seat, and a valve stem slidably mounted in said cover and secured in said valve.

1,482,394. MACHINE FOR AND METHODS OF SHAPING UPPERS. LEONARD F. GRIFFIN, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 5, 1921. Serial No. 490,072. 15 Claims. (Cl. 12—97.)



1. That improvement in methods of shaping uppers which consists in lasting the upper to a ribbed innersole, and then molding the margin of the upper extending above the rib into an upstanding flange for convenient removal in the upper trimming operation.

1,482,395. SINKER GUIDE FOR KNITTING FRAMES. EMIL HAAGA, Stuttgart, Germany. Filed June 28, 1920. Serial No. 392,463. 6 Claims. (Cl. 66—26.)

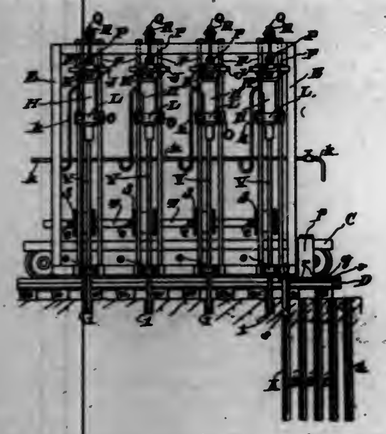


1. A knitting frame comprising in combination, a row of sinkers, a row of hook-shaped bars disposed substantially at right angles to said sinkers, means for causing said bars to act on the yarn in two directions substantially at right angles to one another and means for causing said bars to act singly, one after the other, and independently of said sinkers.

1,482,396. APPARATUS FOR CHANNELING ROCK. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a Corporation of New Jersey. Filed July 23, 1920. Serial No. 398,374. 2 Claims. (Cl. 255—51.)

1. In a machine for channeling rock, the combination of a traveling carriage, having an upright frame provided with pairs of vertical guide rods, mountings independently slidable on said guide rods, adjustable clamping members on said mountings for holding the cylinder casings of rock drills of the hammer type, a power

driven shaft having winding drums loosely mounted thereon, rope feed connections between the rock drills and the winding drums, independently operable clutch members for connecting the winding drums respectively to the driven shaft, manual clutch levers for each clutch



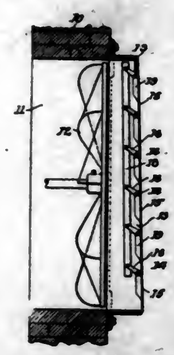
extending forwardly to the front of the machine between the pairs of vertical guide rods, and brakes for the drums also connected to be operated by said clutch levers for holding the drums or permitting downward feeding of the rock drill mountings.

1,482,397. CORE BREAKER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 13, 1922. Serial No. 567,880. 5 Claims. (Cl. 255—72.)



1. In combination, a core drill including a cylindrical core barrel, a shot bit, means for supplying cutting material through the core barrel to the cutting edge of the bit, and a core breaking device located axially within the core drill and including a cutter presenting a horizontally disposed cutting edge, said core breaking device permitting the passage of the cutting material to the bit and being adapted to be mounted above the cutting edge of the shot bit and being capable of breaking or disintegrating the core of material drilled by the shot as the drilling progresses.

1,482,398. SHUTTER MECHANISM. ROBERT A. ILG, Chicago, Ill., assignor to Ilg Electric Ventilating Company, Chicago, Ill., a Corporation of Louisiana. Filed Mar. 3, 1923. Serial No. 622,469. 3 Claims. (Cl 98—27.)



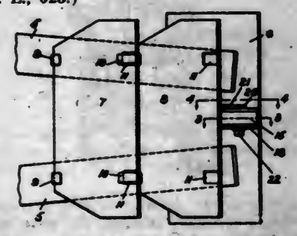
1. In a shutter mechanism, the combination of a rectangular frame, a series of horizontal shutter spindles journaled in and between the vertical sides of said frame, a plurality of sheet metal shutter vanes secured at their upper edge portions to said spindles and at their lower edges overlapping when in closed position, the upper edges of the next shutter vanes therebeneath, and means for effecting simultaneous and equal opening and closing movements of said vanes comprising pockets formed on the rear sides of said vanes, levers mounted on said spindles and each having one arm thereof engaged with one of said pockets, and a link connecting the other arms of said levers.

1,482,399. MAT HOLDER. WILLIAM B. INGLIS, Pawtucket, R. I. Filed June 1, 1922. Serial No. 565,267. 6 Claims. (Cl. 15—217.)



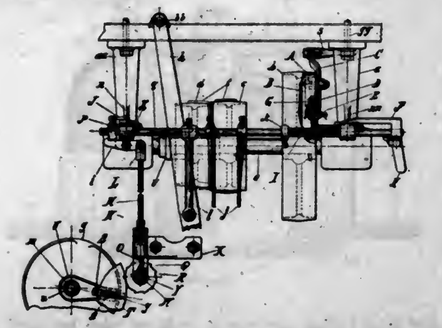
1. A holder for floor mats comprising a frame for embracing the edges of the mat, means secured to the under side of the mat to extend under the edges of said frame, and means for securing the frame to the floor to retain the first named means and mat in its frame.

1,482,400. SPADE. BRYAN P. JOYCE, Davenport, Iowa. Filed Sept. 6, 1923. Serial No. 661,267. 10 Claims. (Cl. 89—42.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



8. In a traveling lock for trail spades the combination with a limber, a trail supported on said limber and a spade on said trail, of cooperating means on said trail and limber for locking said spade in traveling position with respect to said trail.

1,482,401. AUTOMATIC STOPPING MECHANISM FOR MACHINE TOOLS. WILLIAM L. KENFIELD, Royal Oak, Mich. Filed Mar. 20, 1919. Serial No. 283,914. 5 Claims. (Cl. 192—139.)



1. Automatic stopping mechanism for a machine tool adapted to automatically perform a series of operations in sequence comprising the combination therewith of a driving element, a power transmitting element between the driving element and the machine tool, a brake applicable to stop movement of the machine tool, manual means for connecting the driving element with the machine tool and simultaneously disengaging the brake, a pawl on the machine tool operating in a ratio of one to one with each sequential operation of the tool, a ratchet having a number of teeth equal to the number of sequential operations of the tool engaged by the pawl once upon each operation, means actuated by the ratchet upon completion of the series of operations to disengage the driving element from the tool and simultaneously apply the brake to prevent an overrun of the machine tool.

1,482,402. FRICTION CLUTCH. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark New Britain, Conn., a Corporation of Connecticut Filed Oct. 20, 1920. Serial No. 418,239. 6 Claims. (Cl. 64—106.)



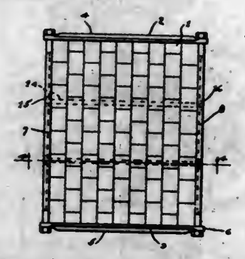
1. The combination of an outer member having a cylindrical bore, a carrier member rotatable therein, said carrier member having a transverse opening extending therethrough, friction blocks in the ends of said opening, and a single compression spring between said blocks acting on both of them to force them outward into engagement with the inner surface of said bore, the outer and carrier members being adapted to be secured to the shaft ends, said carrier member having a bore extending axially from its inner end forming a chamber connected with said transverse openings and across which said spring extends.

1,482,403. HAIR-WAVING IMPLEMENT. LINNIE E. LEONARD, Cleveland, Ohio. Filed Apr. 13, 1922. Serial No. 552,315. 6 Claims. (Cl. 132—43.)



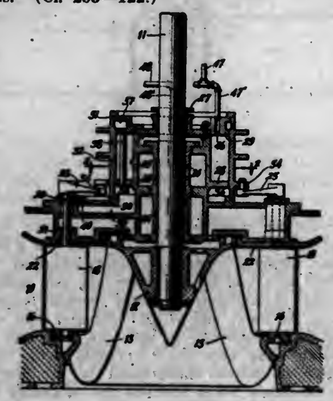
2. A device for producing artificial waves in the hair, comprising a cylindrical rod provided upon one side with a longitudinal groove, a flexible hair crimping element, adapted to be positioned within said groove, handles upon the ends of said rod adapted to extend over the ends of said crimping element and retain the same within said groove, and means adapted for releasing said element from said groove.

1,482,404. DIE BLOCK. RICHARD MILLER, Appleton, Wis. Filed Feb. 10, 1922. Serial No. 535,637. 3 Claims. (Cl. 164—58.)



1. A die block comprising a body formed of a plurality of individual blocks, end members extending across the ends of the body from one side to the other, co-operating front and rear channel shaped members, clamping means connecting the end portions of the channel shaped members with the end members and adapted to draw the end members into pressure relation to the ends of the body, and tie rods extending through the body and connecting the channel members with each other at itervals, said tie rods having clamping nuts housed within the channels of the channel members.

1,482,405. OPERATING MECHANISM FOR HYDRAULIC TURBINES. LEWIS FERRY MOODY, Philadelphia, Pa. Filed Nov. 26, 1920. Serial No. 426,371. 14 Claims. (Cl. 253—122.)

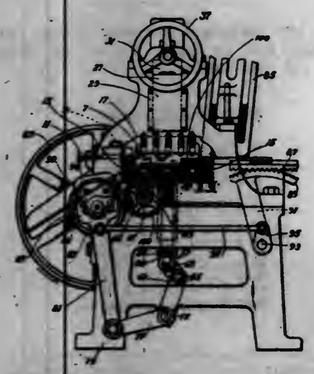


1. A turbine having a shaft, a rotary motor surrounding said shaft and control mechanism for said turbine adapted to be actuated from said motor.

1,482,406. SKIVING MACHINE. JAMES G. NORTON, Eltingville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Continuation of application Serial No. 274,042, filed Jan. 30, 1919. This application filed Dec. 4, 1920. Serial No. 428,260. 17 Claims. (Cl. 69—13.)

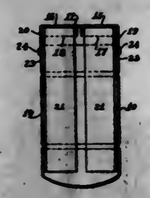
1. A machine of the class described having, in combination, a cutter, a gage member and a feed member for gripping one by one a series of blanks each of which has

the same thickness difference and directing them to the cutter, operator controlled means for producing relative adjustment between the gage member and the cutter to space them apart a distance equal to the amount of thickness difference, and means for thereafter moving the



feed member toward the gage member to cause each blank to be gripped and fed in such manner that a skiving of uneven thickness and having the same maximum thickness is removed from each blank and passes between the gage member and the cutter.

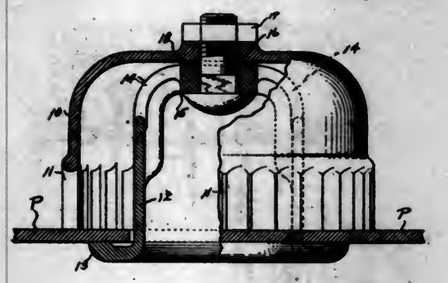
1,482,407. COSMETIC-PENCIL CASE. CHARLES A. PENNOCK, East Orange, N. J., assignor to Richard Hudnut, New York, N. Y., a Corporation of New York. Filed June 14, 1922. Serial No. 568,174. 7 Claims. (Cl. 132—79.)



1. A container comprising a case, a cap for said case having openings through the top thereof; and a plurality of similar separate containers each provided with a longitudinal slot and having finger operable means slidably movable in said slot, the finger operable means being movable to the lower end of said slot and each separate container being insertible in said cap and case bottom end upwardly and said finger operable means then cooperating with means appurtenant to the case; each separate container being movable for enclosure in said case and being removable therefrom by operation of said finger operable means and being retained in the case by engagement of said finger operable means with said means appurtenant to the case and engagement of the separate container with said cap.

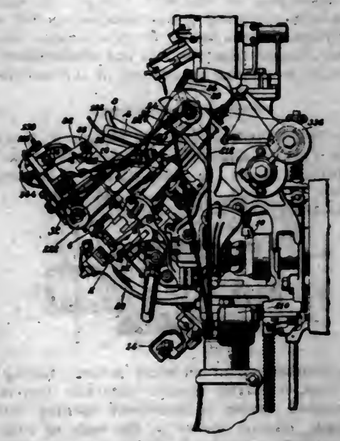
1,482,408. ABSORPTION DEVICE. EMIL PIRON, New York, N. Y., assignor to Piron Coal Distillation Systems, Inc., New York, N. Y., a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,345. 3 Claims. (Cl. 261—79.)

1. In a device of the class described, a plate over which liquid may be passed, a hood above the plate and having its lower edge adjacent the plate, and means to deliver gas from beneath the plate to the interior of the hood,



said hood having openings at its lower edge arranged to cause the gas to flow from the hood into the liquid in a non-radial direction.

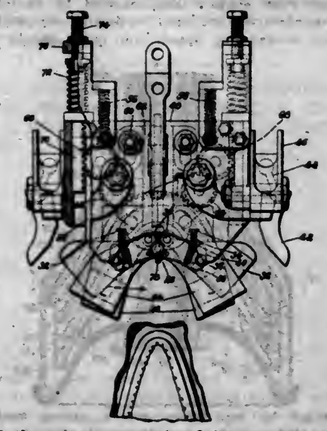
1,482,409. MACHINE FOR USE IN THE LASTING OF BOOTS AND SHOES. CHARLES F. PYM and ARTHUR F. PYM, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 14, 1919. Serial No. 289,898. 114 Claims. (Cl. 12—4.)



1. In a machine of the class described, the combination with means for applying a lasting binder round the end of a shoe, of automatically controlled means for presenting a binder in position to be operated upon by said binder applying means.

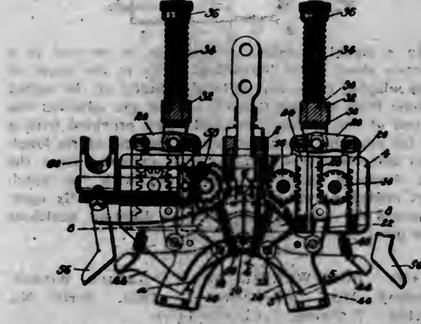
1,482,410. MACHINE FOR SHAPING UPPERS OVER LASTS. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 13, 1919, Serial No. 317,302. Renewed Sept. 27, 1922. Serial No. 591,000. 23 Claims. (Cl. 12—14.)

1. In a machine of the class described, the combination with shoe positioning means, of end embracing wipers mounted for closing movement laterally of the shoe, means for moving said wipers bodily lengthwise of the shoe to operate them, and closing mechanisms for the respective wipers operative each independently of the other in response to the resistance to said lengthwise move-



ment of the wipers encountered by engagement of the wipers with the shoe materials to impart to said wipers their lateral closing movement.

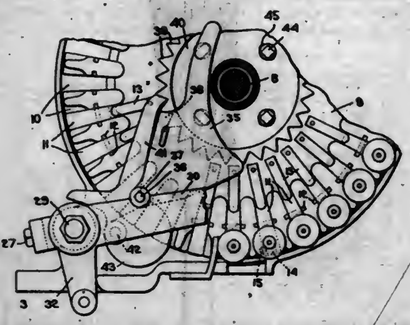
1,482,411. END-LASTING MECHANISM. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 19, 1918, Serial No. 267,504. Renewed Oct. 20, 1922. Serial No. 595,845. 44 Claims. (Cl. 12—14.)



1. Mechanism of the class described comprising, in combination, wiper members relatively movable to wipe the margin of an upper inward about the end of a shoe, other wiper members arranged to operate upon portions of the upper extending along the sides of the shoe beyond said end wiper members, the side members being movable relatively to the end members in the over-wiping operation about axes substantially perpendicular to the plane of the shoe bottom into substantial conformity to the curve of the shoulder or rib of the sole or insole, and wiper operating means having different wiper operating portions arranged respectively in operative relation to the end members and the side members and connected for operative movements in time relation to close said members inward laterally of the shoe.

1,482,412. HOPPER MECHANISM FOR AUTOMATIC FILLING-REPLENISHING LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 13, 1922. Serial No. 588,063. 9 Claims. (Cl. 139—250.)

1. In a filling replenishing loom comprising a rotatable hopper having a peripheral series of spring actuated supports to engage the bases of filling carriers, a transferrer and means for rotating said hopper intermittently after each transfer to present the filling carriers successively in transferring position; a stop member on each filling carrier-support, a cooperating detent positioned to engage one



of the filling carrier support stop members to arrest the rotation of the hopper with the foremost filling carrier positioned accurately for transfer, and means operable in synchronism with the movement of the transferrer to withdraw said detent from engagement with said stop member, to permit feeding movement of said hopper after transfer.

1,482,413. END PLATE FOR CUT-OUT VALVES. ELMER RYDER, Argo, Ill. Filed June 25, 1921. Serial No. 480,337. 4 Claims. (Cl. 285—108.)

4. A cut-out valve fitting of the character described having an outer casing, said casing having its side edges substantially straight and its end edges curved inward on a predetermined radius to fit against and conform to the transverse curvature of an exhaust pipe of that radius, a plurality of interchangeable sets of end plates adapted to be secured to the ends of said casing, the plates of one set having their inner edges curved inward on a radius different from the plates of any other set and all on radii greater than that of the end edges of said casing to fit against and conform to the transverse curvature of exhaust pipes of different diameters, and means for clamping said casing to exhaust pipes for which the end edges and the plates are provided.

1,482,414. PROCESS OF MANUFACTURING ANTIFRICTION BEARINGS AND COMPOUNDS. CARL SCHMIDT, Berlin-Tegel, Germany, assignor of two-thirds to Sparlager G. m. b. H., Berlin, Germany, a Corporation of Germany, and one-third to Marburg Brothers, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 20, 1921. Serial No. 463,042. 4 Claims. (Cl. 64—19.)

1. Process of manufacturing an antifriction bearing composition of a magnesia cement, consisting in mixing magnesiumoxyde (magnesia usta) with wood pulp previously soaked with oil, and chlormagnesialye, the resulting paste being dried to a cement of great sliding ability.

1,482,415. METHOD OF CONSTRUCTING BRUSHES. GEORGE EDWARD SEABOYER and PAUL H. ANDERSON, Wooster, Ohio. Filed Aug. 18, 1922. Serial No. 582,664. 1 Claim. (Cl. 300—21.)



The herein described method of constructing a brush, comprising inserting bristles or other brush material thru a perforated plate within a ferrule, and while held in a vertical position, the inner ends of the bristles being projected thru said perforations downwardly sufficient for their immersion in liquid cement, applying the latter thereto by means of a cement cup or receptacle, adequately filled and pressed upwardly within the ferrule until said inner ends of brush material are thoroughly saturated and surrounded with the cement, and then, while so held in vertical position to prevent leakage, completing the process by drying and hardening the cement thus enclosed, substantially as set forth.

1,482,416. PRESERVATIVE COMPOSITION. WALTER O. SNELLING, Allentown, Pa. Filed Apr. 17, 1923. Serial No. 632,772. 7 Claims. (Cl. 134—40.)

7. The process of protecting vegetable fibers from decay which comprises impregnating such fibers with copper naphthenate and dichlorbenzene dissolved in a liquid non-drying vehicle.

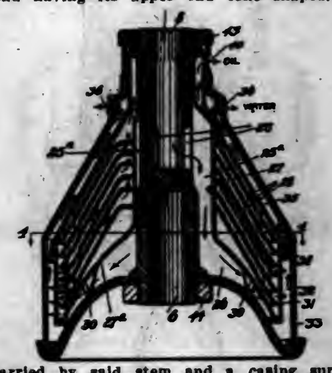
1,482,417. REENFORCEMENT FOR BOXES AND PACKAGES. SIDNEY W. TREAT, Chicago, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 28, 1921. Serial No. 440,648. 10 Claims. (Cl. 217—69.)



1. A reinforcing plate for shipping containers, adapted to underlie a binder on said containers and protect the container against the binder, snap means for snapping the binder into engagement with the plate, whereby a middle point of the binder may be engaged with the plate without threading the plate along the binder from one end thereof.

1,482,418. CENTRIFUGAL MACHINE. CHESTER E. UNGER, Goshen, Ind., assignor to Industrial Products Company, Goshen, Ind. Filed July 5, 1923. Serial No. 649,527. 10 Claims. (Cl. 233—29.)

1. A centrifugal separator comprising a stem having an intake port in its upper end in communication with ports extending through the side of the stem, a cylindrical disc carrier surrounding the stem, the lower end of said carrier being conically shaped, a plurality of perforated cone shaped discs carried by the disc carrier, a perforated sediment cylinder surrounding the discs and having its upper end cone shaped, a bowl



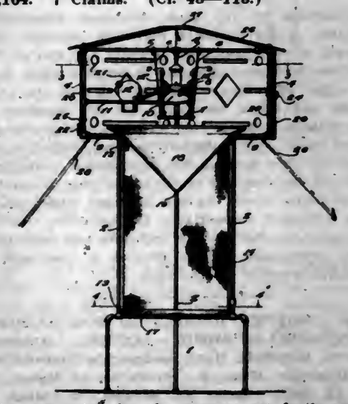
base carried by said stem and a casing surrounding the perforated cylinder and having its upper end conically shaped and provided with discharge openings in communication with a chamber between the sediment cylinder and the casing.

1,482,419. AUTOMOBILE SIGNAL. HENRY B. WILKINSON, Pontiac, Mich. Filed Feb. 19, 1923. Serial No. 619,886. 4 Claims. (Cl. 116—50.)



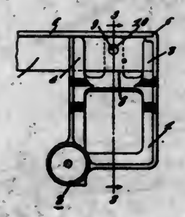
1. In a signal, a casing adapted to be secured to a support, a sheet metal indicating device in the shape of a hand adapted to be moved longitudinally of the casing to extend from the end thereof, a pivot pin adjacent the open end of the casing, the hand being provided with a notch for engaging the pivot pin at the end of its longitudinal movement, the hand as it is extended from the casing dropping below the horizontal with the notch thereof engaging over the pivot pin, and manually operable means for turning the hand to different positions on the pivot pin.

1,482,420. BOLL-WEEVIL TRAP. ARTHUR WILSON, Glendora, Miss. Filed Oct. 31, 1922. Serial No. 598,164. 7 Claims. (Cl. 43—113.)



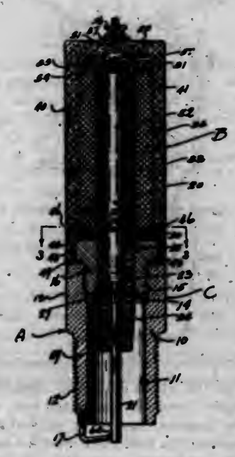
1. An apparatus for the purpose set forth comprising a supporting frame, a cage carried by said frame, a hood secured upon said frame and enclosing the upper end of the cage, a light-emitting element supported within the hood, and a bowl extending across and resting on the upper end of the cage below the light-emitting element and having an opening in its bottom constituting an entrance to the cage.

1,482,421. CORNER RISER FOR BEDSPRINGS. ERNEST H. WOELFFEL, Point Pleasant, W. Va. Filed Apr. 1, 1922. Serial No. 548,705. 1 Claim. (Cl. 5—205.)



The combination with the end rail of a mattress frame or the like, of a riser including spaced upstanding means constituting separate bearings for the end rail, a finger opposite the space between said upstanding means, a portion of the rail being insertible between said means and the finger, and cooperating snap fastening means upon the rail and riser for fastening the rail fixedly upon the spaced upstanding means.

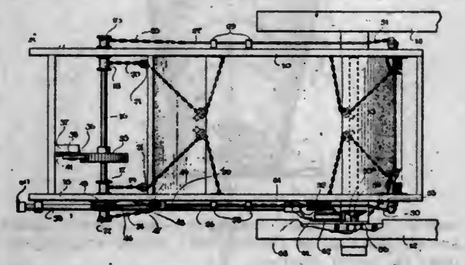
1,482,422. SPARK PLUG. ANSEL E. WORKMAN, Gales Ferry, Conn., assignor of one-half to Richard H. Pugh, New London, Conn. Filed Nov. 7, 1922. Serial No. 599,550. 7 Claims. (Cl. 123—169.)



1. A spark plug comprising a supporting casing, an electrode ground in said supporting casing, a central electrode insulated from the casing and first mentioned electrode, and a pair of coils supported on said central electrode wound in opposite directions thereabout and grounded at adjacent ends to said electrode, the opposite adjacent ends of said coils being connected to a common terminal.

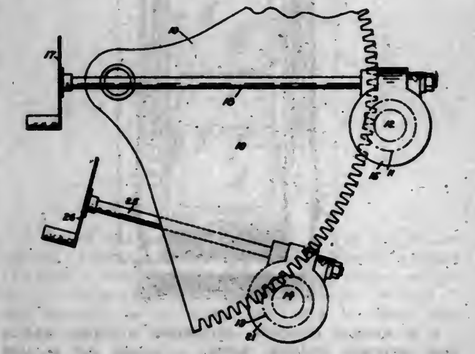
1,482,423. DUMPING VEHICLE. LAWRENCE FRANKLIN YOUNG and WALTER FERRIS, Milwaukee, Wis., assignors to W. L. Thompson, Greenville, Miss. Filed Jan. 20, 1921. Serial No. 438,633. 11 Claims. (Cl. 298—35.)

1. In combination, a dumping vehicle, having gravity dump doors and a ground wheel, a winding shaft, winding reels on said shaft, righting-up chains wound on said reels and connected to said dump doors, actuating mechanism for effecting righting-up movement of said winding shaft including a winding sheave fixed to said winding shaft, a cable having one end secured to and wound on said sheave and having its opposite end fixed to said vehicle, a chain having a loop depending adjacent the ground wheel, a pulley engaging said cable and connected to one end of said chain, a releasable anchorage for the



other end of said chain, a half-spool adjustably secured to said ground wheel and projecting laterally therefrom and adapted to normally clear the loop, and a controller for positioning the loop in the path of the spool, including a rotatable shaft, an operating lever therefor, a control bar fixed to said shaft, and having an offset body portion provided with a slot receiving the chain of the body.

1,482,424. ELEVATING MECHANISM. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 20, 1923. Serial No. 663,906. 1 Claim. (Cl. 89—41.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

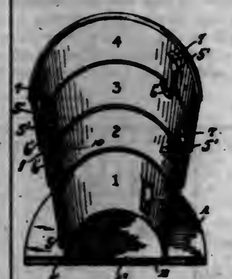


In combination a gun carriage provided with a trail formed with spaced trail flasks, a gun cradle trunnioned on the carriage, a pair of one-piece sector-shaped rockers pivotally mounted on the cradle trunnions, one on either side of the cradle, said rockers formed with an exterior arcuate face, and each provided with gear teeth on its exterior face, a shaft secured to the cradle, pinions on the shaft adapted to mesh with the teeth of the rockers, means for actuating the shaft to elevate the cradle with respect to the carriage, a shaft secured to the carriage and wholly housed between the trail flasks, pinions on the last named shaft adapted to mesh with the teeth of the rockers, and means for actuating the last named shaft to move the rockers and through the rockers the cradle.

1,482,425. COLLAPSIBLE DRINKING CUP. RAPHAEL ZIONY, Brooklyn, N. Y. Filed May 10, 1922. Serial No. 559,832. 4 Claims. (Cl. 65—58.)

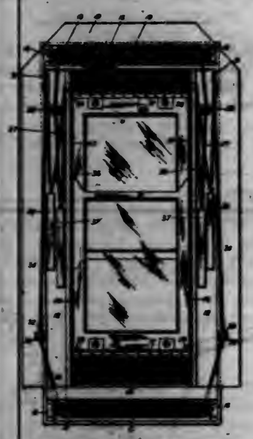
1. The combination in a collapsible container composed of telescopic tapering sections, of an interiorly projecting head on a telescoped section and a comple-

mentary socket portion on the edge of the adjoining telescoping section to permit collapsing whereby when the container is extended and its sections relatively



turned, the projecting head on one section engages against the edge of the adjoining section and the sections are locked together.

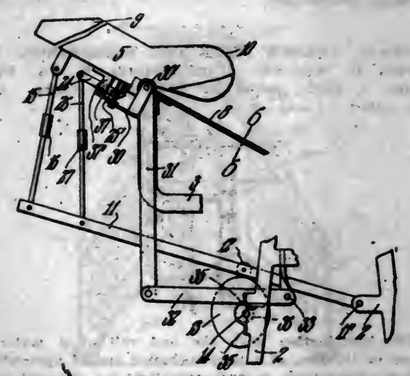
1,482,426. INSECTPROOF SLIDING-SASH WINDOW. HERMAN CHRISTIAN LOUIS AUS, Hamilton, Newcastle, New South Wales, Australia. Filed Nov. 17, 1920. Serial No. 424,755. 2 Claims. (Cl. 20—52.1.)



1. A window structure comprising a frame, and a sash vertically slidable therein, a weight box in said frame, and a vertically hinged cover therefor, a drum having a flexible screen normally rolled thereon, means for attaching one end of the screen to said sash, a sash cord having one end attached to the sash and the other attached to said drum to rotate the same, a pair of pulleys in said frame, said cord having a bight portion hanging between said pulleys, means for tensioning said cord carried by said portion and slidably related thereto and a third pulley mounted on said cover, said cord passing from the first mentioned pulleys through the last mentioned pulley to the drum.

1,482,427. FEEDING AND DELIVERING MECHANISM. STANLEY BOUTIN, Springfield, Mass., assignor to William E. Gilbert, George H. Empsall, and Harold Duckworth, trustees, doing business as Duckworth Chain & Manufacturing Company, Springfield, Mass. Filed Feb. 7, 1923. Serial No. 617,633. 9 Claims. (Cl. 83—92.)

1. In a machine of the class described, a feeding hopper for containing a supply of plates, the bottom of said hopper having a channel groove formed therein of such dimensions as to permit only a single row of plates to lie flatwise therein, said channel groove leading to an exit slot formed through the bottom of said hopper of such



size as to permit one plate at a time to pass therethrough, and means for rocking said hopper to slide said plates into said channel groove and toward said exit slot.

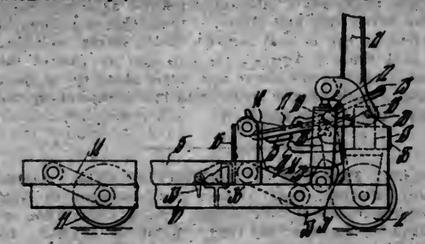
1,482,428. WINDSHIELD WIPER. ARTHUR F. DOOLEY, Philadelphia, Pa. Filed May 17, 1922. Serial No. 561,678. 5 Claims. (Cl. 15—255.)



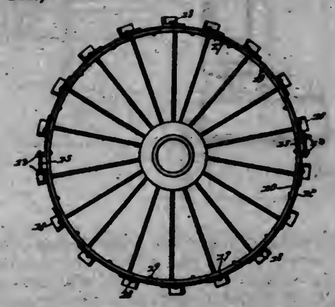
1. A device of the class described comprising in combination, a shaft revolubly mounted on a windshield frame, a wiping element carried by said shaft, a pedal, a Bowden wire having its core connected at one end thereof to said pedal and having operative engagement at its opposite end with said shaft whereby the shaft may be revolved in one direction, and means connected to the shaft to revolve the same in the other direction, said Bowden wire being led from said shaft to said pedal along said windshield frame and exteriorly of the limits of the windshield glass carried by said frame.

1,482,429. ELEVATING TRUCK. FRANK L. EIDMANN, Holyoke, Mass., assignor to J. Lewis Wyckoff, Edward N. White, and George F. Jenks, all of Holyoke, Mass., trustees. Filed Aug. 4, 1919. Serial No. 315,286. 15 Claims. (Cl. 254—10.)

1. In an elevating truck, running wheels, a platform mounted for elevating movement thereon, means for elevating the platform in successive steps, and means for holding the platform against retrograde movement between said steps, said last named means being constructed and arranged to automatically become inoperative when the platform reaches its maximum elevation.

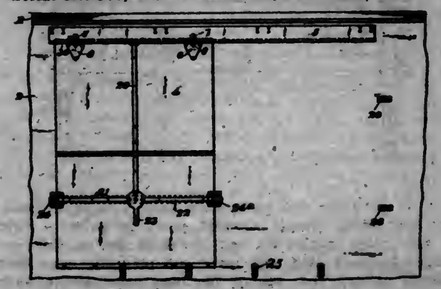


1,482,430. TRACTION ATTACHMENT FOR TRACTOR WHEELS. VIRGIL L. EWAN, Flemingsburg, Ky. Filed Mar. 8, 1922. Serial No. 542,049. 5 Claims. (Cl. 301—144.)



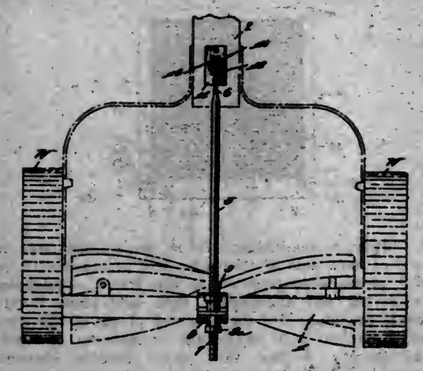
3. In a traction attachment for tractor wheels, two pairs of semi-circular bands adapted to embrace the periphery of a wheel, the bands of each pair being at opposite edges of the wheel, means for securing the bands spaced to occupy when in use positions adjacent to each edge of the wheel, cleats extending from one band to the other and anchored thereto to hold the bands in spaced relation relative to the width of the rim of the tractor wheel, studs on the bands extending inwardly, and a wheel having apertures in its rim to receive the said studs.

1,482,431. BOX-CAR-DOOR HANGER. FRANK M. FRIESELL, San Francisco, Calif. Filed July 25, 1922. Serial No. 577,327. 5 Claims. (Cl. 20—24.)



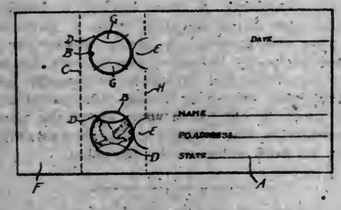
2. A car of the character described having a door opening therein, a track pivotally supported above the door opening for inward and outward movement thereof, means for taking up the wear of the pivotal connections, a door, rollers carried by the door and engaging the track, the said door being capable of longitudinal and lateral movement to open and close the door opening.

1,482,432. ATTACHMENT FOR LAWN MOWERS. FRANK F. HILDEBRAND, Richmond, Va. Filed July 10, 1922. Serial No. 573,828. 2 Claims. (Cl. 56—254.)



1. An attachment of the class described comprising a bracket for mounting on a mower handle, a clamp for connection with the brace rod of a mower and an adjusting rod connecting said clamp and bracket, said rod being adjustably connected with the clamp by means of a sleeve slidably mounted on the adjusting rod, and nuts for holding the sleeve in adjusted position.

1,482,433. COIN-MAILING CARD. WILLIAM G. HOFFMAN and RAYMOND S. HINTZE, Chicago, Ill. Filed Nov. 11, 1922. Serial No. 600,399. 2 Claims. (Cl. 229—92.9.)



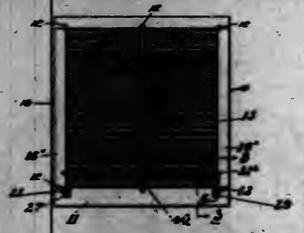
1. A coin mailing card comprising a body portion, an integral folding portion, opposed arc-shaped tongues arranged to hold a coin, and an auxiliary tongue carried by the body portion and arranged to overlie one edge of said foldable portion, when the latter is folded over said coin holding tongues.

1,482,434. CONCRETE-WALL FORM. MARK S. HOTCHKISS, Johnson City, N. Y. Filed Nov. 1, 1921. Serial No. 511,985. 2 Claims. (Cl. 25—131.)



1. In a concrete wall form, a channel iron stud adapted to be supported in an upright position and provided with opposite laterally projecting lengthwise flanges, and a panel extending across the inner face of one of the flanges and provided with an outward projecting flange engaging the inner face of the adjacent side wall of the channel, said panel having a portion thereof engaging the outer face of the flange of the stud to hold the panel against inward displacement from said stud.

1,482,435. VENTILATOR. THOMAS A. JENKINS, Jersey City, N. J. Filed Aug. 30, 1921. Serial No. 496,897. 1 Claim. (Cl. 98—31.)



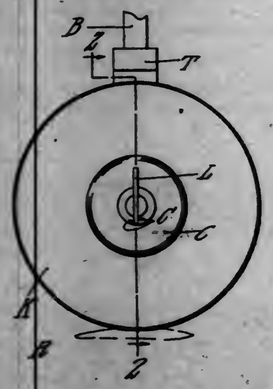
A ventilator comprising a frame, superposed clips arranged at each side of the frame and provided with extended pivots supported within the frame, overlapping slats having end engagement with said clips, flexible elements engaging with the extended pivots of the clips, means connected with the flexible elements for operating them, thereby moving said slats, slidable elements mounted in said frame and adapted to engage certain of said clips to arrest movement of the slats, and cam members for operating said slidable elements.

1,482,436. POULTRY PERCH. ALVIN R. JOHNSTON, Napoleon, Ohio. Filed July 3, 1922. Serial No. 572,642. 1 Claim. (Cl. 119—25.)



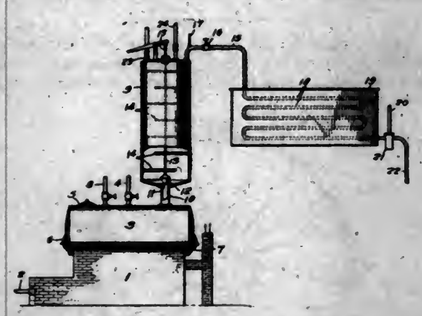
A perch comprising a base having a longitudinal groove, the base being supplied with a partition extended across the groove, top strips, means for securing the top strips to the base, and a wick located between the top strips and extended downwardly into the groove, the wick extending across the partition, and being cut away in its lower edge about the partition, thereby permitting the wick to extend downwardly into the groove on both sides of the partition.

1,482,437. ROTARY SLITTING CUTTER. CHARLES KOEGEL, FREDERICK W. KOEGEL, and HERMAN I. KOEGEL, Holyoke, Mass. Filed Mar. 8, 1922. Serial No. 541,980. 4 Claims. (Cl. 164—70.)



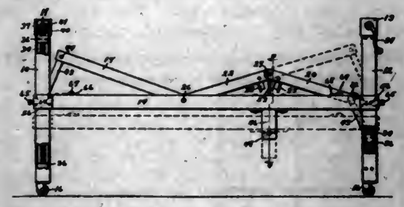
1. The combination in a slitting cutter of, a rigid support, a sleeve slidable thereon, ball bearings carried by said sleeve in a spaced relation, a cutter hub mounted upon said bearings, a nut and a plate carried by said hub that are adapted to abut the outer faces of said bearings to prevent a substantial relative axial movement of the cutter hub and sleeve, a removable cup mounted adjacent an end of said support, and a spring encircling the said support between the cup and an end of the sleeve for urging the sleeve and cutter along the support without impairing the freely rotative movement of the cutter upon the support.

1,482,438. PROCESS OF CONVERTING OILS. ALMER McD. McAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 29, 1922. Serial No. 547,812. 10 Claims. (Cl. 196—26.)



10. The process of converting higher boiling petroleum oils into lower boiling oils which comprises heating the same in admixture with anhydrous aluminum chlorid to gradually increasing temperature, collecting and condensing the lower boiling hydrocarbons formed, and at the time the temperature reaches such a stage that the aluminum chlorid substantially free of oil is driven from the mixture, collecting and condensing such aluminum chlorid at a point removed from the mixture, removing residual matter from the heating zone and returning the so collected aluminum chlorid thereto.

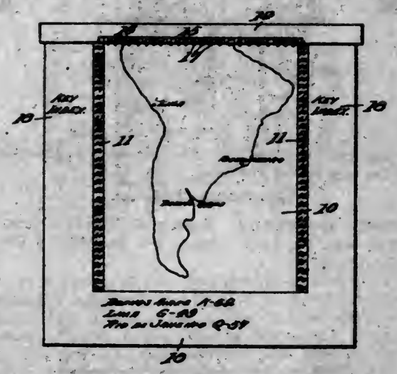
1,482,439. INVALID'S BED. WILLIAM A. McCOLLOUGH, Webster City, Iowa. Filed Feb. 17, 1922. Serial No. 537,196. 2 Claims. (Cl. 5—77.)



1. An invalid's bed, comprising spaced posts, a cross-bar connecting certain of said posts in pairs, a pair of side rails carried by said posts, a bed section arranged between said side rails and pivotally connected thereto at one end, spaced bearings fixed within said posts, screw shafts vertically arranged in said posts and journaled in said bearings, traveling blocks threaded on said screw shafts between said bearings, a pitman pivotally connecting each of said blocks to the free end of said pivoted bed section, spaced bearings fixed in said cross-bar an operating shaft transversely arranged and located in said cross-bar and journaled in the bearings

thereof, bevel gear connections between said operating shaft and each of said screw shafts, said operating shaft projecting through the end of said cross-bar, and a crank for rotating said operating shaft.

1,482,440. LOCATING DEVICE. ARTHUR H. PLEASANTS, Baltimore, Md. Filed Nov. 22, 1919. Serial No. 340,078. 7 Claims. (Cl. 35—6.)



1. Locating means for maps and the like comprising a sheet of flexible material provided with a map and locating indicia, means adjustably supporting the sheet at one end, and a fixed member overhanging the supported end of the sheet and provided with locating indicia correlated with the indicia on said sheet.

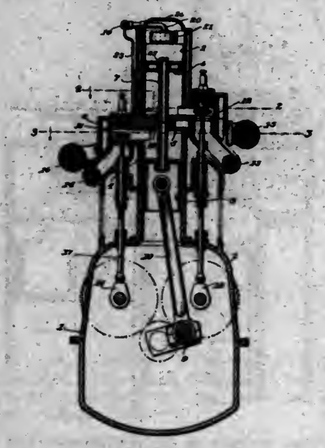
1,482,441. PHOTOGRAPHIC PHOTOMETER. WILHELM SCHLICHTER, Freiburg i. Breisgau, Germany. Filed Nov. 20, 1923. Serial No. 675,877. 8 Claims. (Cl. 88—23.)



1. An instrument for ascertaining the time of exposure in photography, comprising a casing, means for determining the actinic value of the light, means for producing an image of the object or scene to be photographed, and a member within said casing adjacent the image and adapted to have different shades of light produced thereon, and a filter located in position for being traversed by the rays of light used for shading said member and formed in the sections corresponding to the said shades with passages of different aggregate area for the non-filtered passage of the light therethrough.

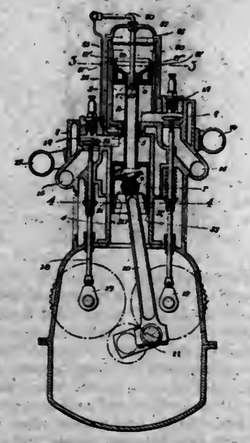
1,482,442. INTERNAL-COMBUSTION ENGINE. JOHN PAUL SHAMBERGER, Baltimore, Md. Filed Feb. 27, 1922. Serial No. 539,519. 7 Claims. (Cl. 184—6.)

4. In an internal combustion engine, a pair of superposed cylinders arranged end to end, a cylinder head closing the inner ends of said cylinders, a piston in each of said cylinders, means rigidly connecting said



pistons and adapted to convey oil from one cylinder to the other, and means for maintaining a predetermined film of oil on the top of the upper piston.

1,482,443. INTERNAL-COMBUSTION ENGINE. JOHN PAUL SHAMBERGER, Clarendon, Va. Filed Sept. 21, 1922. Serial No. 589,650. 11 Claims. (Cl. 184—6.)

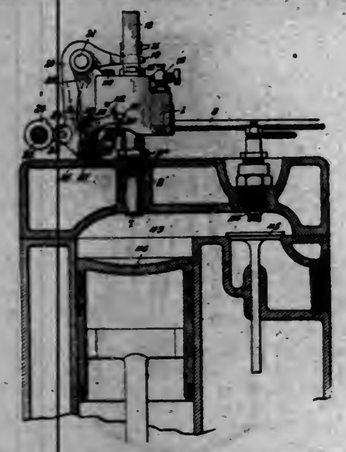


9. In an internal combustion engine, a pair of cylinders arranged end to end, pistons in said cylinders, a hollow rod connecting said pistons, means for feeding oil to the walls of one of said cylinders, the piston of the last-named cylinder having its upper wall inclined toward said hollow rod, and a flange adjacent the upper edge of said inclined wall.

1,482,444. FUEL PUMP. ALFRED SHELDON, New Orleans, La. Filed July 5, 1922. Serial No. 572,826. 5 Claims. (Cl. 123—33.)

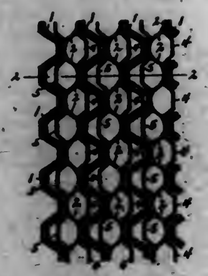
1. In a fuel pump and atomizer, the combination of a large bell crank arm, a small bell crank arm fulcrumed on the same shaft as the first arm, a body member adjacent the arms, an air passage formed in the body, a

plunger arranged in the passage and actuable by the small crank arm, a fuel passage arranged in the body,



a needle stem movable in the fuel passage, and actuable by the large arm, and a cam adapted to impart movement to the crank arms.

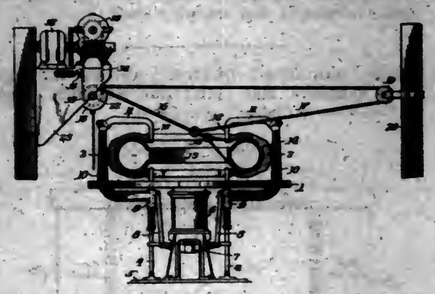
1,482,445. RADIATOR. WILLIAM SPARKS, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a Corporation of Ohio. Filed Sept. 25, 1917. Serial No. 193,079. 3 Claims. (Cl. 257—130.)



1. A radiator comprising a plurality of water tubes, each tube formed of a pair of strips of metal bent into similar tortuous form and shape, and nested together, and having their edges off-set, and in contact, and their central portions spaced apart, a spacer between each adjacent pair of water tubes, said spacer formed of a strip of metal having its opposite edge portions accurately shaped to the same form and outline as the edge of the strip constituting the water tubes, said spacer forming with said two adjacent water tubes two vertical over-lapping rows of cells, the said spacer constituting a symmetrical one-half of the wall of each cell, and pairs of loops formed in connection with the spacer and positioned adjacent the respective accurate shaped edge portions thereof, and extending in opposite directions from the said spacer in the said rows of cells and spaced from the walls of the water tubes.

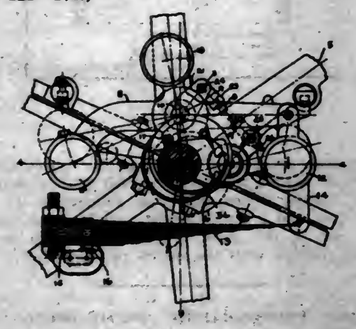
1,482,446. APPARATUS FOR HANDLING AIR BAGS IN THE MANUFACTURE OF TIRES. HORACE D. STEVENS, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 30, 1921. Serial No. 488,600. 17 Claims. (Cl. 18—2.)

4. In an apparatus of the character described, the combination of bead separating device, a grapple adapted to pass around the air bag at one point, means for pulling the grapple in one direction to disengage a portion of



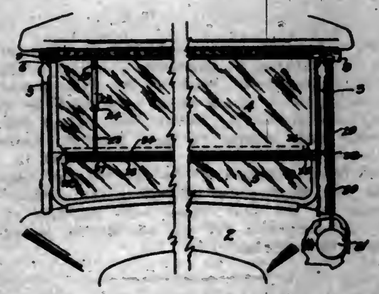
the bag from the tire and then in another direction to pull the bag out of the tire.

1,482,447. GOVERNOR. ROBERT C. STEVENS, Erie, Pa. Filed Sept. 28, 1920. Serial No. 413,356. 3 Claims. (Cl. 121—174.)



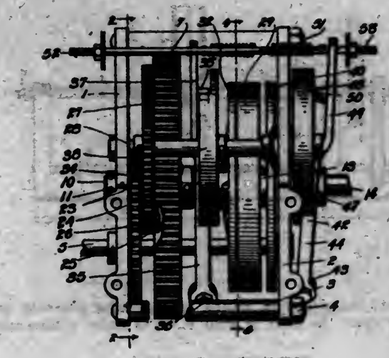
1. In an engine, the combination of a crank shaft; two cranks on the crank shaft arranged in angular relation; two eccentrics one having operative relation to each crank respectively; a governor sensitive to centrifugal force and angular inertia; and connections between the governor and eccentrics moving said eccentrics toward and from the axis of the shaft in unison.

1,482,448. WINDSHIELD WIPER. JERRY J. SULLIVAN, Spokane, Wash. Filed Jan. 14, 1922. Serial No. 529,135. 3 Claims. (Cl. 15—253.)



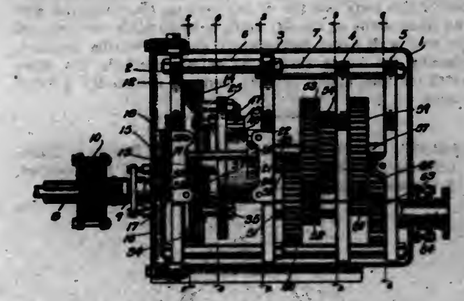
1. The combination in a windshield cleaner with a slotted tubular casing and a reciprocable member therein, of a resilient arm on said member, a roller on said arm guided in the slotted tubular casing, and a squeegee pivoted on the free end of said arm.

1,482,449. POWER-TRANSMISSION GEARING. FRED G. WHITE, Kansas City, Mo., assignor to Lewis R. Long, Kansas City, Mo. Filed Sept. 22, 1921. Serial No. 502,519. 2 Claims. (Cl. 74—7.)



1. In a device of the class described, a shaft, a gear frictionally mounted on said shaft to normally drive it, another shaft aligning with the first named shaft, a disk thereon, a clutch member on the first named shaft movable into and out of engagement with the disk, a stop member movable into engagement with the disk when the clutch is out of engagement therewith and movable out of engagement with the disk when the clutch is in engagement therewith, and mechanically operating means controlled from the gear frictionally mounted on the first named shaft for effecting movement of the clutch and the stop member.

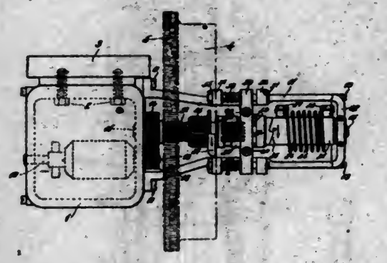
1,482,450. POWER-TRANSMISSION MECHANISM. FRED G. WHITE, Kansas City, Mo., assignor to Lewis R. Long, Kansas City, Mo. Filed Aug. 26, 1921. Serial No. 495,691. 4 Claims. (Cl. 74—7.)



1. A power transmitting mechanism comprising a driving shaft, a variable speed mechanism, an intermittently operating mechanism for clutching and unclutching the variable speed mechanism to the driving shaft, and a driven shaft operated from the variable speed mechanism.

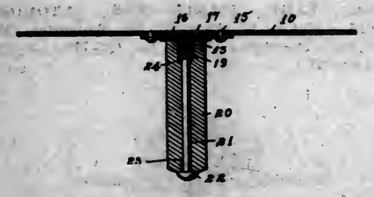
1,482,451. ONE-WAY TRANSMISSION MECHANISM. EDWIN L. WIEGAND, Pittsburgh, Pa. Filed Mar. 31, 1920. Serial No. 370,295. 8 Claims. (Cl. 74—7.)

1. The combination of two axially aligned rotary members having cooperating clutch faces, one of said members being movable axially to engage its clutch face with and disengage it from the clutch face of the other, an element movable in a course substantially parallel to the axis of said member, said member and element having cooperating parts of such nature that when the member



rotates in normal direction it moves the element, and when it rotates in abnormal direction is moved by the element to disengage its clutch face from the clutch face of the other member.

1,482,452. PLASTERER'S HAWK. JESSE C. WILLIAMS, Marshalltown, Iowa. Filed July 11, 1922. Serial No. 574,141. 2 Claims. (Cl. 72—135.)

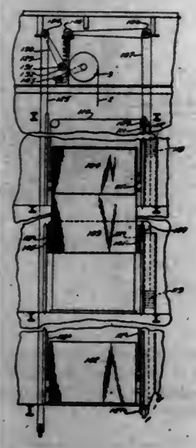


2. An improved plasterer's hawk comprising a body portion having a flat face to receive plaster, a socket holding plate fixed to the under surface of the body and formed with a depression at its central portion having an angular opening therein, a socket device having a base to be received in the said depression and an angular projection to be received in said angular opening and a cylindrical internally screw threaded socket projecting beyond said opening, a handle member comprising a handle proper having a screw threaded rod therein and an annular recess formed in the handle surrounding the screw threaded portion of the bolt and designed to receive the said cylindrical socket, said parts being so shaped and proportioned that as the bolt is screwed into the socket, the handle will engage the socket holding plate and cause the socket holding plate to be clamped between the base of the socket and the adjacent end of the handle, and means for fixing the bolt against movement relative to the handle.

1,482,453. MECHANISM FOR CONTROLLING ELEVATORS. EDWARD WILDE, deceased, late of New York, N. Y.; by Elizabeth White Wylde, New York, N. Y., and New York Trust Company, executors. Filed Apr. 18, 1921. Serial No. 462,195. 10 Claims. (Cl. 187—29.)

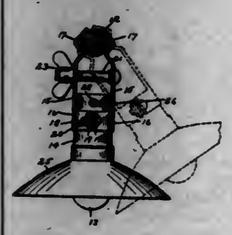
5. In combination, a bank of hatchways and elevators, gates along each hatchway and means for operating the gates, cars in said hatchways, a despatcher's station and means thereat whereby the despatcher may cause any of

the cars to start from any floor and automatically stop at any other of said floors; and, at said station, sig



naling means individual to each elevator and indicating to the despatcher the position of each car and when its gates are closed.

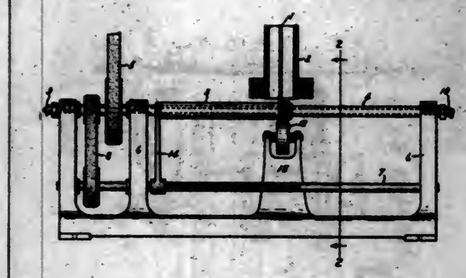
1,482,454. LAMP HOLDER FOR AUTOMOBILE HOODS. HUGH W. BATCHELLER, Worcester, Mass. Filed Nov. 28, 1922. Serial No. 603,776. 1 Claim. (Cl. 240—57.)



A lamp holder of the character referred to comprising two similar members each shaped at one end to form one of a pair of complemental jaws and having its other end offset inwardly from the body of the member and terminating in oppositely projecting ears, the surface of the offset portion of each member, between said ears, being transversely curved, whereby when the members are in operative relation said curved sections will closely embrace the shank of an electric lamp and the ears will project radially outward therefrom at substantially diametrically opposite points, means connecting the ears on the members to retain them in engagement with the shank of a lamp, and means connecting the members and adapted to draw the complemental jaws into engagement with a suitable support and retain them in such relation for the purpose described.

1,482,455. QUARTZ WORKING. EDWARD R. BERRY, Malden, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 20, 1922. Serial No. 589,471. 6 Claims. (Cl. 49—7.)

6. A quartz working apparatus comprising the combination of a rotatable form or mandrel, means for delivering thereto a strip of plastic quartz, means for rotating said mandrel while feeding the same longitudinally, means for applying heat to quartz strip coiled



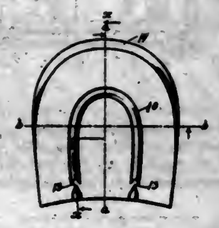
upon said mandrel and means for applying pressure externally upon the coils of said strip to cause coalescence thereof.

1,482,456. SHOE HEEL. THOMAS W. BIGONEY, Philadelphia, Pa. Filed July 17, 1922. Serial No. 575,573. 10 Claims. (Cl. 36—35.)



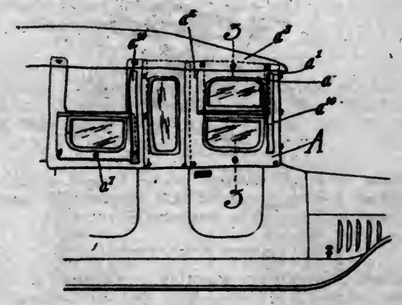
1. As an article of manufacture for attachment to shoes or other foot wear, a rubber heel lift having its upper and lower surfaces disposed in parallel planes with its upper surface of a contour adapted to conform to the outline of the body portion of the heel on the shoe, the side and front walls of the lift being substantially vertical and the rear wall being downwardly and rearwardly inclined, whereby the lower surface is of substantially the same width as the upper surface, but of materially greater length.

1,482,457. SHOE HEEL. THOMAS W. BIGONEY, Philadelphia, Pa. Filed Oct. 31, 1922. Serial No. 598,090. 8 Claims. (Cl. 36—35.)



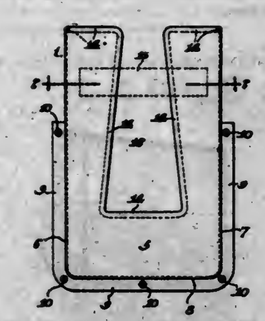
1. A rubber heel lift having a pair of opposed grooves in the upper and lower surfaces comparatively narrow in respect to their depth, and separated by a comparatively thin web of material adapted to be distorted to permit a widening or narrowing of the grooves, and a corresponding variation in the transverse dimension of the lift.

1,482,458. AUTOMOBILE CURTAIN. WALTER J. BRUNSMAN, Cincinnati, Ohio. Filed Jan. 3, 1921. Serial No. 434,465. 2 Claims. (Cl. 296—138).



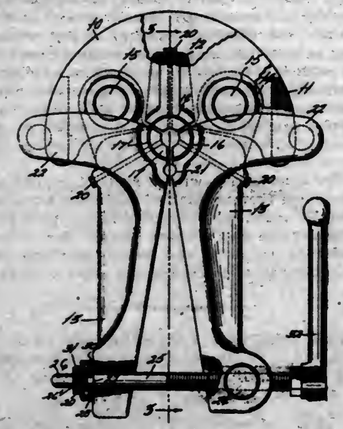
1. A curtain for vehicles having a top and comprising a body portion adapted to be secured upon the vehicle, a transparency mounted upon the body of the curtain, stay strips extending from the body and each being adapted to extend to the top of the vehicle whereby an opening is provided between the stay strips, the body of the curtain, and the top of the vehicle, a flap hingedly mounted on the curtain adapted in one position to be secured over the opening, and in a second position being adapted to be secured upon the curtain so as to leave the opening unobstructed, a transparency mounted upon the flap and adapted in the first position of the flap to register with the opening, and in the second position of the flap to register with the transparency upon the body, and a protector strip mounted on the curtain and extending over the end of the flap.

1,482,459. MAIL RECEPTACLE. JACOB M. CAHAN, Philadelphia, Pa. Filed Nov. 11, 1922. Serial No. 600,254. 5 Claims. (Cl. 232—19.)



1. A mail receptacle adapted to be attached to the inside surface of a door adjacent the usual mail slot comprising a unitary box like structure open at the top and on the side toward the door, the rear wall of said structure being provided with a slot or opening extending from the top downward and terminating above the bottom of said structure, said slot or opening being relatively narrow at the top and wider at the bottom thereof, and means for attaching the structure to the door.

1,482,460. WIRE LINE CLAMP. FRANK E. CROTTO, Tulsa, Okla., assignor to Western Supply Company, Tulsa, Okla. Filed June 18, 1923. Serial No. 646,283. 10 Claims. (Cl. 24—135.)



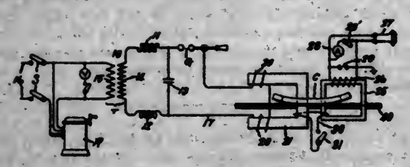
1. In a line clamp, a head, a clamping slip carried by the head, a pair of co-acting arms pivoted to the head, and slips carried by the arms and correlated to the head slip.

1,482,461. BELT COUPLING. FREDERICK DIEHL, Elizabeth, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 15, 1922. Serial No. 568,541. 1 Claim. (Cl. 24—31.)



The combination with the meeting ends of a belt of round section, of a clinch-plate extending across the meeting line and formed with end apertures and with a central aperture, and a U-shaped member having a pair of legs and a body-portion of less width than the diameter of the belt section but of the same width as said legs at its junctures with the latter, said U-shaped member having its body-portion applied to the inner surface of the belt across the belt ends and its legs passed transversely through the respective belt ends and through the end apertures of the clinch-plate, said legs having their ends bent toward one another and passed into the central aperture in the clinch plate and anchored by soldering to the walls of such central aperture.

1,482,462. ELECTRICAL TESTING DEVICE. FRANCIS DUBSKY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 31, 1921. Serial No. 441,256. 14 Claims. (Cl. 175—183.)



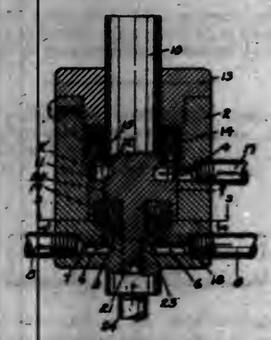
3. The method of testing open-circuited windings and the like which consists in inducing therein a highly damped high frequency electromotive force, adjusting the

magnitude of the same to a predetermined value, and observing the inductive effects of said induced electromotive force.

12. A testing device for windings and the like comprising a source of electric energy, an oscillating circuit, a magnetic core inductively associated with said oscillating circuit and adapted to induce a test voltage in a winding to be tested, an auxiliary magnetic core arranged to link with the winding to be tested, a winding on said auxiliary core, and current indicating means in series with said last named winding, both of said cores being composed of separable parts pivotally disposed in operative positions and adapted to be opened to receive the winding to be tested.

14. The combination with a support, of two magnetic cores mounted thereon, each of said cores being composed of separable parts, each core having one part secured to said support and another part pivoted thereto to receive a winding to be tested, and means controlled by one of said pivoted parts for closing the other of said pivoted parts.

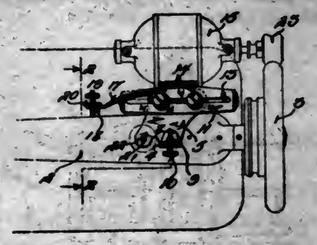
1,482,463. CONTROL VALVE FOR HYDRAULIC APPARATUS. FRANK C. EMRICK, Kalamazoo, Mich. Filed Oct. 12, 1920. Serial No. 416,440. 3 Claims. (Cl. 138—16.)



1. In a control valve for hydraulic power apparatus, the combination of a valve casing having a cylindrical valve chamber provided with a conical valve seat at its lower end and having a supply passage above its said seat and power member ports opening into the face of said seat and a return passage disposed centrally of said seat, a cylindrical valve rotatable in said casing and provided with a stem at its upper end and with an axially disposed extension at its lower end and projecting into said return passage, said valve being shouldered at the base of the stem and having an annular recess at its shoulder, a packing member for said stem of U-cross section disposed facing said shoulder and coacting therewith and with said recess to provide an annular passage communicating with said supply passage, and a hard fiber facing for said valve coacting with said valve seat, said valve facing having a longitudinal passage therein opening in said shoulder and adapted to be brought into register with said power member ports alternately, said valve facing and valve extension having exhaust passages therein adapted to be alternately brought into register with said power member ports, said exhaust passages communicating with said return passage.

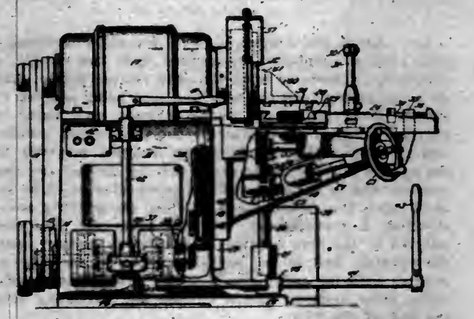
1,482,464. SEWING-MACHINE-MOTOR BRACKET. HARRISON D. [illegible], Racine, Wis. Filed Oct. 9, 1923. Serial No. 667,468. 4 Claims. (Cl. 74—26.)

1. A bracket for a sewing machine motor comprising means for attachment to said motor and having a laterally extending arm, a screw threaded through said arm and adapted to bear against a portion of said sewing



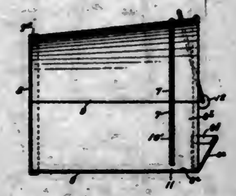
machine, a support movably related to said means, and attaching means carried by said support for engaging the spool carrying pin of a sewing machine.

1,482,465. GRINDING MACHINE. FREDERIC E. GARDNER, Beloit, Wis. Filed July 28, 1919. Serial No. 313,668. 9 Claims. (Cl. 51—122.)



1. A grinding machine having, in combination, a column, a slidable knee on said column, a work carrier mounted on said knee, an elongated worm in said column extending parallel to the direction of sliding motion of said knee, a rotatable shaft in said knee, a worm wheel on said shaft meshing with said worm in all positions of said knee, and a connection between said rotatable shaft and said work carrier for moving the latter with respect to said knee.

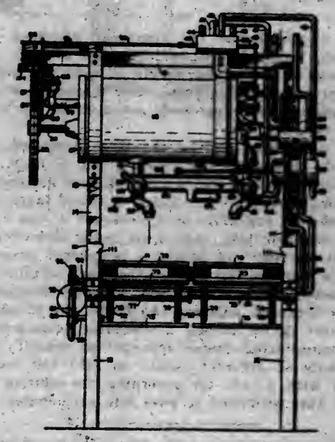
1,482,466. DRINKING FOUNTAIN. ROY W. GLASER, Burlington, Wis. Filed Feb. 1, 1922. Serial No. 533,250. 1 Claim. (Cl. 119—77.)



A drinking fountain formed of four primarily separate sections of sheet material, one of said sections forming a circular bottom or wall, second and third ones of said sections having edges secured to one another and combining to form a tubular body, one end of this tubular body being substantially circular and united with the perimeter of said bottom, the second one of said sections being semi-circular at the end opposite to that adjoining said circular section, the third one of said sections forming two plane wall portions and an intermediate plane wall portion at right angles to the last mentioned portions, said third section including a

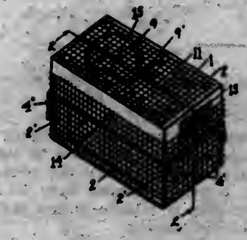
trough-extension having ends turned at right angles to its main portion and secured to said parallel walls while said main portion stands at an angle to said intermediate portion, said tubular body having a groove in its curved and plane portions, the fourth one of said sections having a portion of its periphery fitted in said groove, a water-inlet being provided between said fourth section and said intermediate wall portion.

1,482,467. MEASURING AND FILLING MACHINE. BERTIE S. HARRINGTON, Fort Worth, Tex. Filed Oct. 28, 1920. Serial No. 420,187. 4 Claims. (Cl. 226—99.)



1. In a measuring and dispensing apparatus, the combination with the alternately discharging nozzles of a measuring device, of means for positioning receptacles at the nozzles comprising a plurality of endless conveyors having longitudinally spaced receptacle-carrying portions, the conveyors arranged in parallelism and moving each before one of the nozzles, and means operatively coupled with mechanism of the measuring device to actuate the conveyors alternately to place a receptacle before the inactive nozzle, said means acting automatically in synchronism with the discharging nozzles of the measuring device.

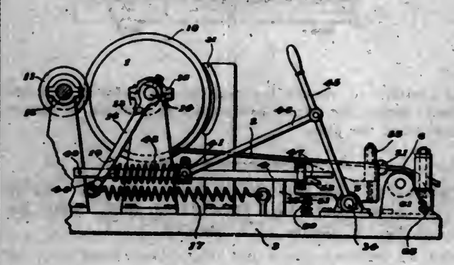
1,482,468. CAGE FOR TRANSPORTING AND INTRODUCING BEES. OREL L. HERSHISER, Kenmore, N. Y. Filed Apr. 17, 1922. Serial No. 554,260. 7 Claims. (Cl. 6—10.)



1. In a transporting and introducing cage for queen bees, the combination of a box formed of a compartment of wood or similar material, containing a screened aperture for receiving the queen bee and attendant workers, screen sides and ends therefor extending beyond the said wood box, an apertured false bottom for the said compartment with slide cover for the aperture, a removable block apertured and containing recesses for food for the transported bees disposed within the extended screen, and a screen cover for the food compartment whereby the food compartment can be readily removed, the extended screen forced into the face of the comb and the false bottom removed, as specified.

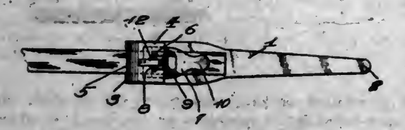
6. In a cage for transporting and introducing a queen bee, a structure comprising a box with suitable screen sides, with slide bottom above the lower edge thereof, whereby the extended screen sides can be inserted into the face of comb and the slide bottom removed, as specified.

1,482,469. AUTOMATIC TROLLING WINCH. JASPER CARL JESPERSEN, Freeland, Wash. Filed Feb. 3, 1923. Serial No. 616,723. 10 Claims. (Cl. 254—173.)



1. A trolling winch comprising a drum upon which the line is received, means for rotating said drum and for stopping such rotation, a lever shiftable to control the application of said means, a ball fixed upon said line, a tiltable platform, means upon said platform permitting passage of the line, but engageable by the ball to tilt the platform, a trip bar engageable with said lever, and catches upon said trip bar and platform engageable to maintain said lever in position to cause rotation of the drum.

1,482,470. BODKIN. LIBBIE M. KOEHLER, Seattle, Wash. Filed Nov. 11, 1922. Serial No. 600,370. 2 Claims. (Cl. 223—38.)

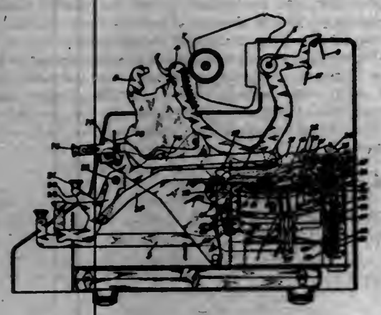


1. A bodkin, comprising a body formed with an overturned end portion, and a ribbon receiving slot in the bend thereof, and a ribbon holding member formed with a tongue extending through a slot in the overturned end for pivotally connecting the member with said end and having a curved end for engaging a ribbon to hold it between said end and the body.

1,482,471. ADDING AND CALCULATING MACHINE. WALTER WM. LANDSIEDEL, Norwood, Ohio, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 3, 1921. Serial No. 474,747. 22 Claims. (Cl. 235—60.)

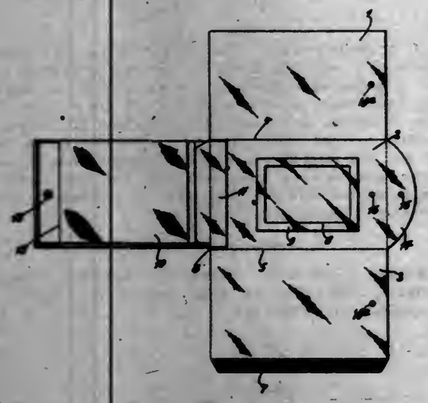
1. In a machine of the character described, the combination of a laterally movable carriage, digit pins in the carriage, mechanism for setting the pins and for

causing the carriage to move the set pins laterally to proper denominational order positions, a device settable



in position to engage the pins to unset them, and optional means for setting said device in position to engage and unset the pins.

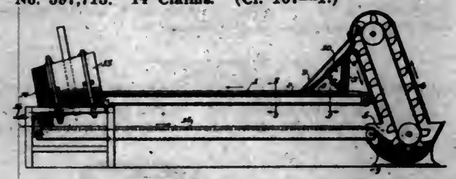
1,482,472. MAILING PACKAGE. STEPHEN OLIVER LANGE, St. Louis, Mo. Filed May 3, 1922. Serial No. 558,065. 5 Claims. (Cl. 229—73.)



2. A mailing package, comprising an envelope body, an open-ended fabric container having one wall adjacent to the envelope body connected therewith, said fabric container being foldable over the rear face of the envelope body, and releasable means for closing the end of the envelope and also for holding the closed end of said container in position across the rear face of the envelope body.

4. In an envelope, a postage support comprising a plurality of leaves secured together at one adjacent edge thereof and adapted to receive postage stamps and being successively removable to expose subjacent postage stamps supported by the leaves for successive cancellation thereon during successive trips, the outermost stamp being adapted to carry the envelope on its initial trip and to be cancelled during such transit, a fabric container having one end open and permanently secured to said envelope and the other end closed, and means engaging the closed end of said container holding said container flat against the envelope in position to prevent the contents of the container from working out of the open end.

1,482,473. MACHINE FOR COATING CONFECTION CENTERS WITH NUTS. WILLIAM SWIFT LORD, Evanston, Ill., and LOUIS DAVIS, Brooklyn, N. Y., assignors to Williamson Candy Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1922. Serial No. 597,715. 14 Claims. (Cl. 107—1.)

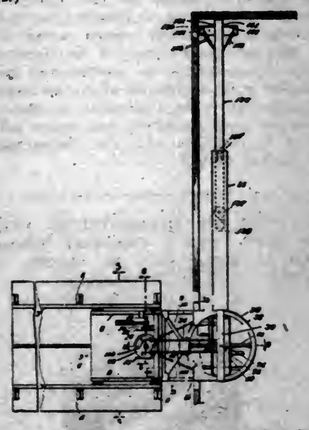


1. In a machine of the character described, a conveyor belt, means for depositing a bed of nuts on said belt, means arranged rearwardly of said first-mentioned means for depositing on such bed a second layer of nuts, and a rotating tumbling drum arranged at the rear end of said conveyor belt.

2. In a machine of the character described, a conveyor belt, means for depositing a bed of nuts on said belt, means arranged rearwardly of said first-mentioned means for depositing on such bed a second layer of nuts, and a rotating tumbling drum arranged at the rear end of said conveyor belt, said drum being downwardly inclined at its rear and having a peripheral screen.

9. In a machine for applying coatings of nuts to confection centers, a conveyor belt, a supply receptacle for the nuts arranged adjacent the front end of such belt, an elevator device having a discharge passageway and two communicating chutes arranged to deposit two layers of nuts at different points on said belt and being provided with a gate for governing the relative proportions of nuts permitted to pass into said chutes.

1,482,474. MACHINE FOR UNLOADING RAILROAD CARS. GEORGE MANIERRE, Milwaukee, Wis. Filed Oct. 2, 1920. Serial No. 414,272. 45 Claims. (Cl. 214—44.)



1. A car unloading machine, comprising in combination a discharge element adapted to be introduced into the car, a carrying structure for the discharge element, and a motor driven mechanism fixed on the carrying structure adapted to be introduced into the car for actuating the discharge element.

1,482,475. SOUNDING DEVICE FOR DOLLS AND OTHER TOYS. SAMUEL MARCUS, Brooklyn, N. Y. Filed Apr. 27, 1922. Serial No. 556,940. 12 Claims. (Cl. 46—46.)

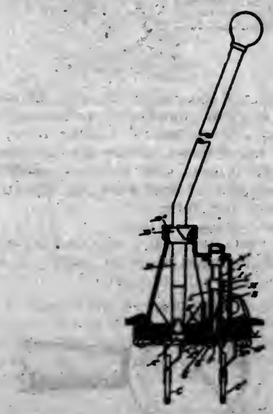
1. A sounding device of the character described comprising a hollow body shell, a weighty plunger fitting

and movable therein, a sound-box communicating with said body and containing a reed and having an outlet opening and a self-closing valve or damper therefor, provided with an outwardly projecting member and an



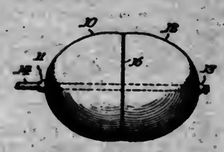
operating rod connected with said plunger and projecting through the end of said body and provided with an arm adapted to move against said projecting member and open said valve or damper on the movement of said plunger.

1,482,476. GEAR-SHIFT LOCK. GURDON C. MATHER, Detroit, Mich. Filed July 5, 1918. Serial No. 243,283. 7 Claims. (Cl. 70—126.)



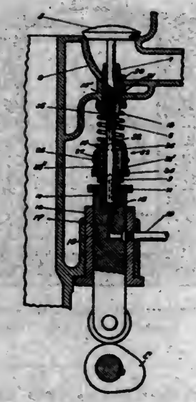
8. The combination with a pair of gear shifter rods, having recesses in their adjacent faces and a member alternatively engageable in said recesses, of a single locking bar engageable in said recesses in both of said gear-shifter rods.

1,482,477. CASING AND METHOD OF MAKING SAME. SOLOMON MAY, Chicago, Ill. Filed Dec. 3, 1921. Serial No. 519,790. 20 Claims. (Cl. 17—45.)



13. A step in the art of the manufacture of casings, which consists of providing two sac-like members, each having a single opening, and inserting one of said members through the opening of the other of said members.

1,482,478. LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. WALKER M. MILLIGAN, Huntington Beach, Calif. Filed Nov. 8, 1922. Serial No. 599,705. 5 Claims. (Cl. 74—86.)

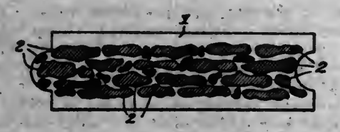


1. In an internal combustion engine, a valve stem provided with an axial duct having a side outlet, means for supplying oil into said duct, a guide surrounding said stem and having an opening affording communication between said outlet and the peripheral surface of the stem below said guide, and means provided on said stem for retaining the oil discharged through the guide opening.

1,482,479. MANUFACTURE OF A NONHYGROSCOPIC FERTILIZER. ALWIN MITTASCH and CARL KIRCHER, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of the Grand Duchy of Baden. Filed Sept. 21, 1920. Serial No. 411,854. 3 Claims. (Cl. 71—9.)

1. The process of producing a nonhygroscopic fertilizer by mixing solid ammonium nitrate with solid ammonium sulfate in the presence of moisture.

1,482,480. LINING PLATE FOR BANK VAULTS AND SIMILAR STRUCTURES. HAROLD WEAVER MOWERY, Mahwah, N. J., assignor to American Abrasive Metals Company, a Corporation of New York. Filed May 19, 1922. Serial No. 562,225. 2 Claims. (Cl. 109—1.)

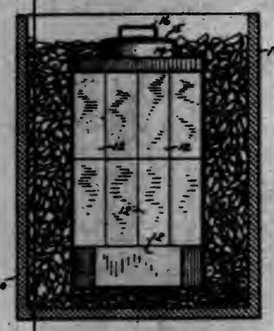


1. A plate for use in constructing the walls of bank vaults and similar structures composed of masses of refractory metallic oxides cast in a ferro-chrome matrix.

1,482,481. ICE-CREAM-BRICK CAVE. EVERETT A. PHILLIPS, Summit, N. J., assignor, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 23, 1920. Serial No. 412,110. 1 Claim. (Cl. 220—9.)

In combination, a tub adapted to hold a refrigerant, a container in the tub and having vertical walls, and a main cover extending over the vertical walls, said main cover having an opening of less than half the area of

the top of the container, said opening being surrounded by a raised portion and a supplemental cover for said opening, whereby access to the interior of the container



may be had through said opening while the remaining portion of the main cover has refrigerant over and around it.

1,482,482. METHOD OF MAKING AND EXHIBITING MOVING PICTURES. ISAAC T. PURCELL, Wakeeney, Kans. Original application filed Nov. 2, 1921, Serial No. 512,281. Divided and this application filed Nov. 29, 1922. Serial No. 603,976. 3 Claims. (Cl. 88—16.)



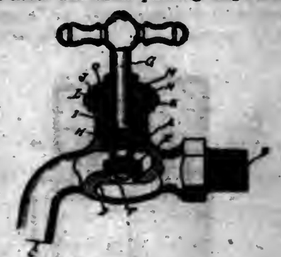
1. In an apparatus of the class described, a stationary support, a traveling support over said stationary support, a pivot shaft for said traveling support journaled in said stationary support, a worm wheel carried by said pivot shaft, a sound recording machine and a motion picture camera carried by said traveling support, a motor, a drum shaft rotated from said motor, a worm connected with said stationary support for movement into and out of engagement with said worm wheel and having manually controlled operating means, and means for transmitting operative movement from said drive shaft to said worm, camera and sound recording machine.

1,482,483. PROCESS OF REFINING OILS. ARTHUR STANLEY QUICK, London, England. Filed Aug. 31, 1921. Serial No. 497,454. 2 Claims. (Cl. 87—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A process of refining oil consisting in adding to the oil an equal quantity of water and about one half the quantity of monazite sand, heating the mixture, stirring the mixture, allowing the mixture to settle and then separating the oil.

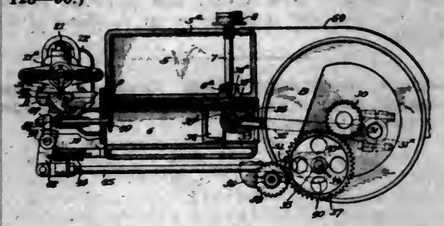
1,482,484. BIB COCK. THOMAS HERBERT ROBERTS, Detroit, Mich., assignor to Roberts Brass Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 14, 1921. Serial No. 514,852. 4 Claims. (Cl. 251—50.)

2. In a valve, the combination with a casing, having an opening for the introduction of a valve member, of a cap closing said opening, a valve member adapted to seat within said casing, a stem for said valve member passing through said cap, a washer seated within said opening of the casing flush with the margin of said opening, and inner and outer packing rings independently



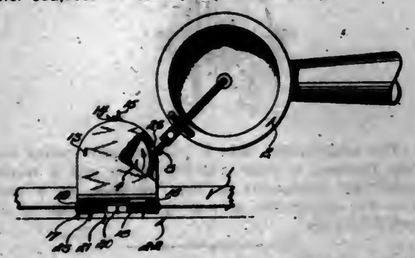
compressed upon said washer by said cap, the former establishing a seal between the cap and stem and the latter between the cap and casing.

1,482,485. EXPLOSIVE ENGINE. CHARLES A. ROBERTSON, Springfield, Ill., assignor to Montgomery Ward & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 14, 1921. Serial No. 515,174. 2 Claims. (Cl. 123—90.)



1. In a machine of the class described, the combination of a cylinder, a valve controlling communication to the same, ignition mechanism, a rocking lever, a piston operating in the cylinder, means for actuating said lever from said piston, and members operated through the instrumentality of said lever for operating the ignition mechanism and valve.

1,482,486. NEEDLE SHARPENER. WALTER M. ROSCOE, Milwaukee, Wis. Filed Sept. 30, 1922. Serial No. 591,505. 5 Claims. (Cl. 51—241.)

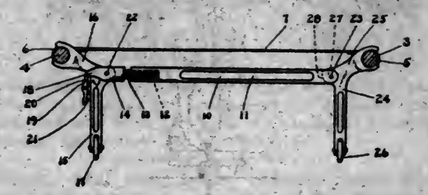


1. The combination of a phonograph having a driving mechanism and a reproducer provided with a needle; and a needle sharpener comprising a revoluble sharpening element and means for operatively coupling said driving mechanism with said sharpening element, said sharpening element being so located relatively to said reproducer as to permit the contacting of the needle and element while the needle is in position on said reproducer.

1,482,487. STRETCHER. JESSE T. SHEETS, Covington, Ky. Filed Feb. 5, 1923. Serial No. 616,903. 2 Claims. (Cl. 5—114.)

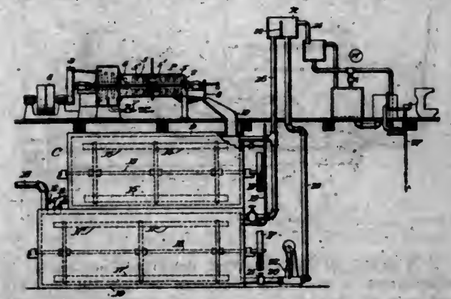
1. In a device of the class described the combination of a pair of poles, a flexible bed carried by the poles, a cross bar, a leg pivotally carried by one end of the cross

bar, a bracket formed on the leg for receiving one of the poles, a lug formed on the leg, and a complementary wall formed on the cross bar for engagement by the lug for limiting the movement of the leg and bracket, a second leg pivotally mounted at the other end of the cross bar, a bracket carried by the last mentioned leg for receiving the second pole, a finger formed on the



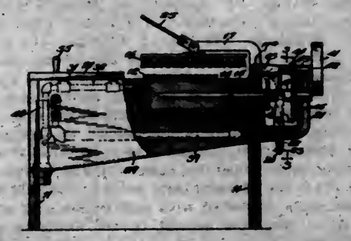
last mentioned end of the cross bar, and a catch carried by the last mentioned leg for engagement upon the finger for securing the last mentioned bracket against movement toward the first mentioned bracket under the influence of the flexible bed when the bed is tensioned to retain the lug on the first mentioned leg in engagement with the wall on the cross bar.

1,482,488. RECOVERY OF STOCK. CLEMENT F. SISSON and HARRY E. EURICH, White Pigeon, Mich. Filed May 25, 1921. Serial No. 472,606. 7 Claims. (Cl. 92—20.)



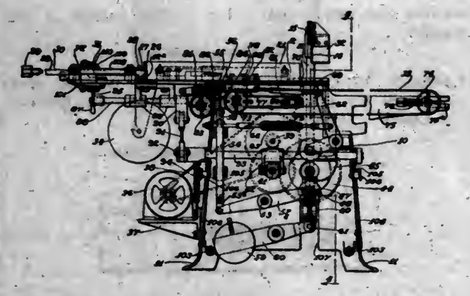
1. Apparatus for removing paraffin from stock comprising means for pulping said stock, storage means for treating the resulting pulp, a reservoir for treated pulp, and means for leading overflow material from said reservoir back to said storage means.

1,482,489. CAN WASHER. THEODORE L. VALERIUS and OLAF LARSEN, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed July 17, 1919. Serial No. 311,508. 3 Claims. (Cl. 141—7.)



1. In a machine of the character described the combination of a tank, a bracket mounted upon one upright wall of the tank, a rotatable spindle journalled in said bracket so as to extend forwardly and horizontally into the tank, a brush carried by said spindle, a second brush, and an arm pivoted upon a horizontal axis on said bracket and extending forwardly over the first mentioned brush and carrying said second brush, said arm having a portion projecting rearwardly, spring means bearing between said portion and said bracket tending to resist downward movement of said second brush.

1,482,490. CUTTING MACHINE. THEODORE L. VALERIUS and OLAF LARSEN, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1919. Serial No. 338,283. 16 Claims. (Cl. 107—21.)



1. In an ice cream severing machine, a table, means for intermittently pushing a mass of material across said table to project beyond said table, means for intermittently severing the projecting portion of said mass of material and allowing it to fall off said table, a conveyor belt adapted to receive the severed portions, means for intermittently feeding said conveyor belt and for intermittently feeding paper on to said conveyor belt, means for intermittently severing the last portion of paper fed on to said belt, means for simultaneously actuating said paper and material severing means, and means for simultaneously actuating said pushing means, conveyor belt and paper feed means.

4. In an ice cream severing machine, a table, a cutting knife, a pushing means and a receiving means, and means in the nature of a single movable cam adapted to produce synchronized alternate actuation of said knife and of said pushing and receiving means.

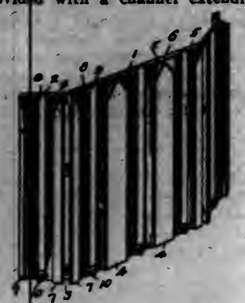
5. In an ice cream severing machine, a table, a cutting knife, a pushing means, a receiving means, and a paper feeding means, and means in the nature of a single movable cam adapted to produce synchronised alternate actuation of said knife and of said pushing, receiving and feeding means.

15. In an ice cream severing machine, a table, a frame supporting said table and constituting a housing, a vertically reciprocable knife above said table, a pushing means operating above said table across the face thereof, a conveyor belt extending out from under said table, paper feeding means under said table adapted to feed paper to said conveyor belt, paper severing means, and a transmission for alternate actuation of said cutting knife and said paper severing means, and of said pushing means, conveyor belt and paper feeding means, said transmission and said paper severing means being housed in said frame.

1,482,491. CARTRIDGE HOLDER. FRANK VOGEL, New Washington, Ohio. Filed Feb. 19, 1923. Serial No. 619,991. 2 Claims. (Cl. 224—13.)

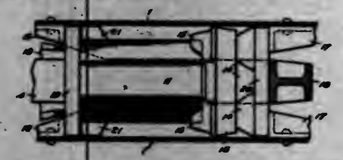
2. A cartridge holder of the class described including a plate having a pair of spaced ridges thereon, said

ridges provided with grooves in adjacent sides thereof, said plate provided with a channel extending centrally



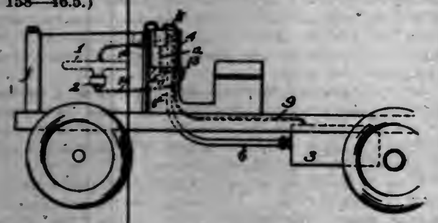
between the ridges and a stop at the bottom of the channel.

1,482,492. DRAFT GEAR. EDMUND H. WALKER, New York, N. Y. Filed May 2, 1923. Serial No. 636,057. 9 Claims. (Cl. 213—26.)



1. A spring barrel for friction draft gear having opposite open end portions of substantially similar contour, and means arranged externally of said barrel adjacent one end thereof for preventing the incorrect assembly of the friction head thereto.

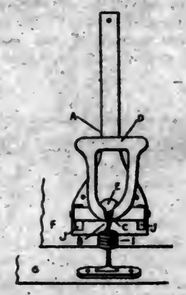
1,482,493. FUEL SYSTEM FOR MOTOR VEHICLES. ELVERTON W. WEAVER, Cleveland, Ohio. Filed Sept. 19, 1921. Serial No. 501,512. 4 Claims. (Cl. 158—46.5.)



1. A liquid fuel system for use with the carbureter of an internal combustion engine comprising a main fuel storage tank, an auxiliary fuel storage tank located above the main storage tank and above the carbureter with which the system is used, means including a suction tank independent of the auxiliary tank for delivering fuel from the main tank to the carbureter, a pipe connecting the main fuel tank with the suction tank, a pipe connected with the carbureter, said carbureter pipe being adapted for connection with the suction tank and with the auxiliary fuel tank or valve means connecting the carbureter pipe with either the suction tank or auxiliary fuel tank.

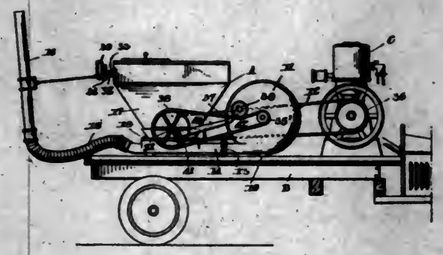
1,482,494. AUTOMOBILE HOOD CATCH OR FASTENING THEREOF. MAX L. WEISS, Brooklyn, N. Y. Filed May 25, 1923. Serial No. 641,382. 1 Claim. (Cl. 292—228.)

An automobile hood catch which is attached to the hood of the automobile and provided with a handle and torsional spring to allow necessary movement, a socket and a tongue or springy rod which is attached to and carried upon the chassis of the automobile, provided with a ball affixed at the upper end of said tongue or



rod which ball when the hood is in a closed position snaps and fits into the socket or space, thereby holding the automobile hood securely closed and fastened, and locking the hood to the chassis of the automobile.

1,482,495. POWER DUSTING MACHINE. ROBERT BENJAMIN WESTHAVER, Mahone Bay, Nova Scotia, Canada. Filed Mar. 9, 1923. Serial No. 623,888. 2 Claims. (Cl. 43—148.)

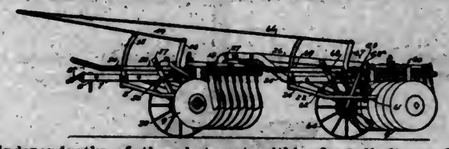


1. A device of the character described comprising, in combination, a wind pipe connected at one end to a fan and open at the other end, a feed hopper provided with a perforated base plate adapted to fit into said pipe, a driving shaft in said hopper, an agitator on said shaft, means for operating the shaft and the fan simultaneously whereby the dust in the hopper is agitated and blown outwardly through said wind pipe, means for controlling the outflow of said dust comprising a pivotally mounted valve adapted to fit over the hopper base plate, an operating rod provided with spring retaining means and having a handle at the hopper top designed to open and close said valve.

1,482,496. DISK-HARROW MECHANISM. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 4, 1919. Serial No. 315,089. 7 Claims. (Cl. 55—83.)

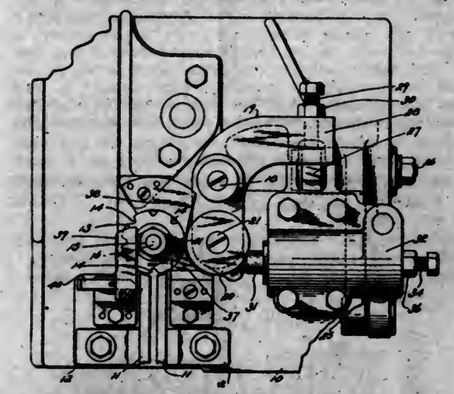
1. A multiple gang disk harrow comprising front and rear frames, the rear frame being connected to the front frame to swing about a substantially vertical axis, transversely disposed arched axles carried by said frames respectively, ground wheels mounted on the end portions of said arched axles, ground wheel actuated front and rear lifting devices operable optionally and independently of each other for swinging said axles to lift said frames, and disk gangs connected with said frames and arranged to be lifted from the ground by the swinging of said arched axles.

5. The combination with a ground engaging wheel, a frame movable vertically relatively to said wheel, soil turning devices carried by said frame, power devices comprising a link actuated by said wheel and adapted to bear against an abutment on said frame, said link having a longitudinal slot which receives such abutment and permits relative and endwise movement of said link



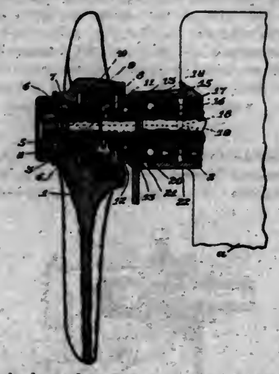
independently of the abutment within fixed limits, and means for adjusting the position of the abutment, the frame and soil turning devices being adapted to move vertically relatively to the power devices.

1,482,497. DIAL MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 27, 1921. Serial No. 440,538. 6 Claims. (Cl. 10—6.)



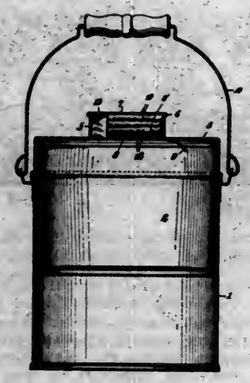
2. In combination, a movable carrier dial; a rock lever; means for actuating said rock lever in timed relation with said dial; a gripping member; and means for adjustably securing said gripping member upon said rock lever.

1,482,498. FAN FOR HYDROCARBON MOTORS. CHILDE HAROLD WILLS, Marysville, Mich. Filed Nov. 12, 1920, Serial No. 423,684. Renewed Sept. 20, 1923. 7 Claims. (Cl. 230—1.)



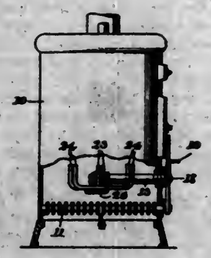
1. In a hydrocarbon motor, a fan, driving mechanism therefor, and connecting mechanism between the driving mechanism and said fan yieldable under end thrust of the fan.

1,482,499. FIRST-AID-PACKAGE ATTACHMENT FOR DINNER PAILS. WILLIAM EDWIN WOLFE, Wilder, Va. Filed Apr. 6, 1922. Serial No. 550,085. 3 Claims. (Cl. 220—23.)



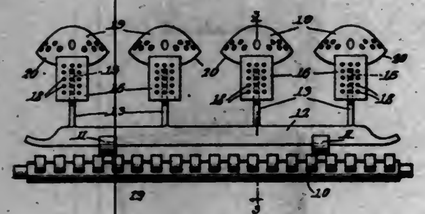
1. A dinner bucket having a lid formed with an upwardly projecting receptacle, closed at the top and sides, and open at the bottom with a projecting bead at the top, said receptacle containing the necessary articles constituting a first aid package, and a thin sheet of metal hermetically fastened to the underside of he lid arodnd the edges of the receptacle and flush with the bottom to close the receptacle.

1,482,500. AGITATOR OR SHAKER FOR STOVES OR FURNACES. NICHOLAS J. ZUZULIN, Minot, N. Dak. Filed May 7, 1923. Serial No. 637,318. 6 Claims. (Cl. 126—173.)



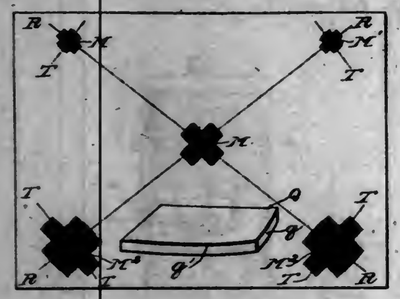
6. In an agitating device for a furnace, a sleeve adapted to be rigidly mounted in the furnace above the grate of the furnace and adapted to project through the furnace casing, a shaft rotatably mounted in the sleeve and projecting therebeyond at both ends, means on the outside end to turn the shaft, a cam carried by the inner end of the shaft, a pair of agitating members mounted on the cam, each agitating member comprising a substantially flat body portion having an opening to receive the cam and whose edges are curved so as to converge outwardly, and upstanding prongs carried by the outer ends of the body portion, and a supporting plate carried by the sleeve and arranged beneath the arms whereby when the shaft is turned the cam will coact with the curved edges of the body portions and the supporting plate in a manner to cause the arms to partake of a combined reciprocating and rocking motion.

1,482,501. ATTACHMENT FOR GRATES. NICHOLAS J. ZUSULIN, Minot, N. Dak. Filed July 11, 1923. Serial No. 650,787. 7 Claims. (Cl. 126—163.)



7. An attachment for grates comprising a longitudinal base, upright supporting members carried by said base and arranged at right angles thereto, spaced upstanding arms carried by said upright support, perforated shells having openings to receive the upstanding arms, said shells being removably supported by said arms above and spaced from the base, domes carried by the shells and extending laterally therebeyond, said domes being hollow and perforated, and transverse rockers carried by the base and adapted to rest on the grate, sections, whereby when the grate is shaken, a rocking motion will be imparted to the shells so as to agitate the fuel in the firebox.

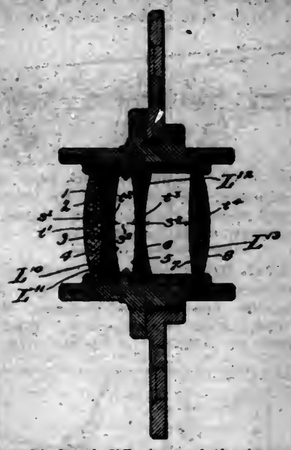
1,482,502. ART OF FORMING IMAGES AND PHOTOGRAPH PRODUCED THEREBY. ADELBERT AMES, Jr., Hanover, N. H. Filed Jan. 12, 1920, Serial No. 351,011. Renewed Aug. 3, 1923. 12 Claims. (Cl. 95—5.)



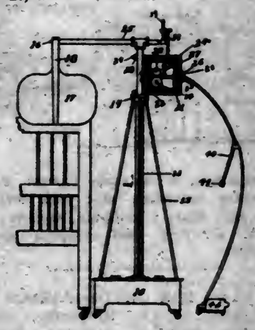
1. A photographic picture characterized by definition corresponding to the monocular perception of axial depth of the normal human eye at the center of interest, and by diffusion due to substantial optical aberrations of the image at other parts of the picture.

1,482,503. PHOTOGRAPHIC-LENS SYSTEM. ADELBERT AMES, Jr., Hanover, N. H. Original application filed Jan. 12, 1920, Serial No. 351,011. Divided and this application filed June 2, 1921. Serial No. 474,561. 20 Claims. (Cl. 88—57.)

1. A lens system having refractive elements having surfaces formed and assembled to cause on a surface an image of an object field having therein different kinds of diffusion of the images of objects displaced from the object focused axially, which diffusions are substantially and respectively similar to the corresponding different kinds of diffusions of the image of objects similarly displaced formed on the retina of the human eye.

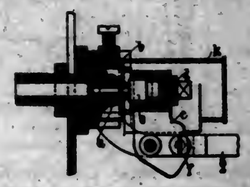


1,482,504. FAN. JOHN BECHTEL, Sr., Earlham, Iowa. Filed July 25, 1922. Serial No. 577,348. 3 Claims. (Cl. 230—1.)



1. An improved fan comprising a base formed hollow, a filler within the base of sand or the like, an upright supported by the base, a fan operating mechanism supported on said upright, a fan for said mechanism, a muffler box supported on said upright comprising upper and lower hollow sound-deadening members for receiving said fan operating mechanism, and means for detachably clamping said members together.

1,482,505. FLOAT-CONTROLLED VALVE. JEAN BERGNER, Dusseldorf, Germany. Filed Aug. 24, 1921. Serial No. 494,956. 6 Claims. (Cl. 137—104.)



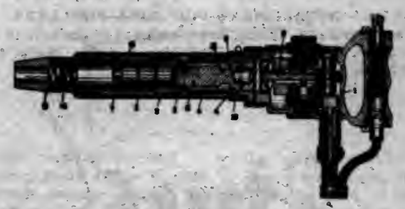
2. A float-controlled inlet valve comprising a body having a valve seat, a plug adapted to be applied against said valve seat so as to closely block the passage for the liquid, a float and a lever carrying same, said lever being hingedly connected to said body, a plug carrying lever also hinged to said body and means for coupling said float lever with said plug carrying lever.

1,482,506. CHILD'S CART. THOMAS R. BRADFORD, Sturgis, Mich. Filed May 2, 1923. Serial No. 637,962. 5 Claims. (Cl. 208—165.)



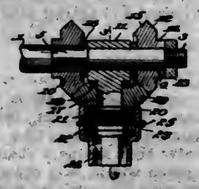
1. A child's cart comprising a seat supported upon a rear axle and wheels and a forward axle and wheels, a steering bar to steer the forward wheels, side members and a back member hinged to the sides and rear end of the seat and adjustable relative to said seat to form a variable child-supporting receptacle above said seat, strap loops carried by said respective side and back members, a strap threaded through said strap loops and having its ends adjustably united across the front of the seat to retain the side and back members in position and to secure a child in position on the seat.

1,482,507. PNEUMATIC HAMMER, DRILLING MACHINE, AND THE LIKE. EMIL COHN, Berlin, Germany. Filed June 3, 1922. Serial 565,702. 1 Claim. (Cl. 125—34.)



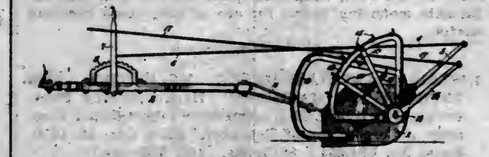
Mechanical pneumatic hammer, drilling tool or percussion tool arranged to have a motor drive or an electrical drive to be connected therewith, characterized by a cylindrical hammer casing, a compressor piston and hammer piston cooperating therewith, and an intermediary ring within the cylindrical hammer casing, said ring dividing said casing into two chambers, the said compressor piston being provided with a groove for the passage of the precompressed air from the compression chamber into the hammer piston chamber.

1,482,508. WRENCH. THOMAS J. COLLIHAN, Girardville, Pa. Filed Mar. 13, 1923. Serial No. 624,706. 1 Claim. (Cl. 81—57.)



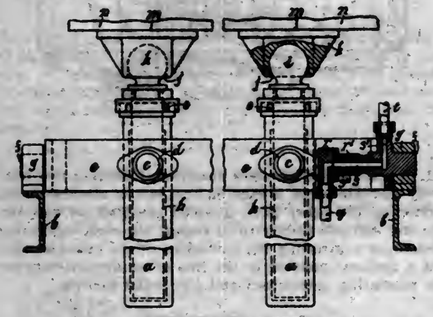
A wrench comprising a rotatable stock, a sleeve fitted loosely on the stock, opposed fast and loose gears on the stock at opposite ends of the sleeve, a stud depending from the sleeve, an intermediate gear provided with a depending concentric rim on its under side spaced away from said stud rotatably mounted on the stud and meshing with the opposed gears, and a work-engaging socket having a hollow head fitting around and detachably secured to said rim.

1,482,509. DUMPING DEVICE FOR SCRAPERS. CLOYD DAVIS, Mineola, N. Y. Filed Jan. 31, 1923. Serial No. 616,097. 10 Claims. (Cl. 37—140.)



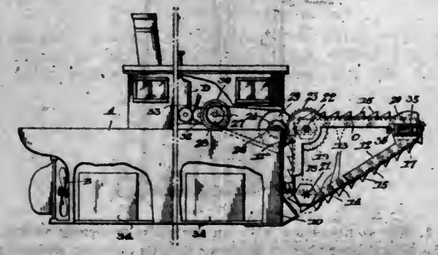
1. The combination with a scraper, of an eccentric pivoted thereto and engageable with the ground to tilt the scraper body to dump its load.

1,482,510. TIPPING GEAR FOR MOTOR ROAD VEHICLES. MAURICE FRED EDWARDS, Bolton, England. Filed Feb. 27, 1922. Serial No. 539,804. 2 Claims. (Cl. 298—22.)



1. In a tipping gear, a main supporting frame, a cross frame pivoted therein and provided with an axial supply passage for fluid, a hydraulic jack pivoted to rock in the cross frame crosswise of its pivots and provided with an axial supply passage for fluid, a supply pipe for fluid operatively connecting the axial supply passages of the cylinder and cross frame, a stuffing-box secured on the axis of the supply pivot of the cross frame and also provided with a supply passage for fluid, and means for connecting the other and stationary end portion of the stuffing-box with a supply pump.

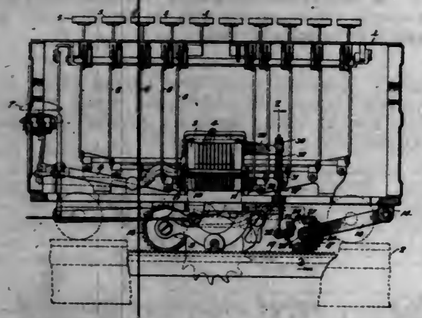
1,482,511. ICE BREAKER. JOHN ALBERT ELLIS, Iberville, Quebec, Canada. Filed Dec. 20, 1922. Serial No. 608,130. 2 Claims. (Cl. 114—40.)



1. An ice breaker comprising in combination with the bow of a boat, supporting members on the boat, a plurality of spaced guide-ways mounted on the supports and designed to extend outwardly in triangular formation, rollers

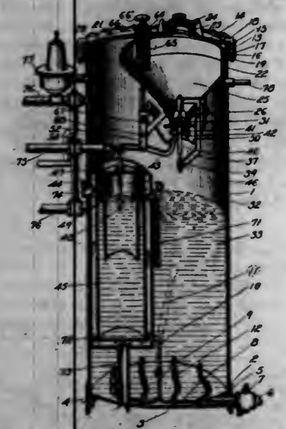
in said guide-ways and endless chains provided with ice gripping and breaking teeth mounted on said rollers, operating means for the chains comprising transversely extending shafts through said guide-ways having pulleys thereon designed to engage with the links of said chains, means connecting said shafts with suitable driving means on the boat whereby on the driving means being operated the teeth carrying chains are set in motion to engage with and break the ice in combination with the forward movement of the boat, ballasting tanks for the boat and adjustable mounting means for one of said chain carrying shafts.

1,482,512. CARRIAGE-BRAKE MECHANISM FOR TYPEWRITING MACHINES. HARRY ARTHUR FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Dec. 31, 1920. Serial No. 434,251. 8 Claims. (Cl. 197—64.)



1. A machine of the class described, including two relatively movable parts, a rack on one part, a movable brake carrier on the other part, a brake mounted on the carrier and movable therewith to engage the rack, tabulating mechanism controlling the movement of the brake carrier, and a resilient member in the line of connection between the tabulating mechanism and the brake carrier.

1,482,513. ACETYLENE GENERATOR. OTTO N. GRIDELL, East Kansas City, Mo. Filed Oct. 22, 1920. Serial No. 418,689. 3 Claims. (Cl. 48—53.)

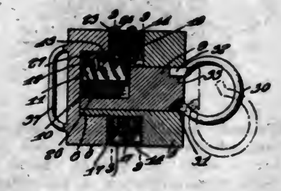


1. The combination with an acetylene generator casing, of a feed hopper therein having a bottom opening, swinging fingers hung about the edge of the opening, a vertically movable cone against which the lower ends of the fingers normally rest, and means for raising and lowering the cone.

1,482,514. PROCESS FOR THE COMMERCIAL PREPARATION OF AMINOPHENYLARSONIC ACIDS. MAURICE GUÉRIN, Paris, France. Filed Sept. 6, 1922. Serial No. 586,531. 1 Claim. (Cl. 260—14.)

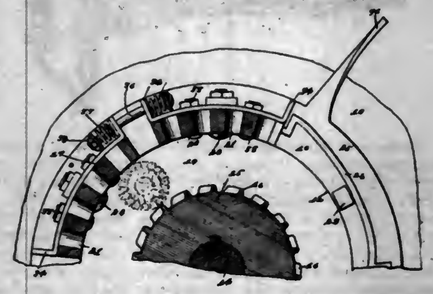
The process of manufacturing aminophenylarsonic acids and their substitution products by reducing a nitro phenyl arsonic acid, or a substitution product thereof, in alkaline solution by means of a reducing sugar.

1,482,515. COMBINATION LOCK. HERBERT M. HAINLINE, Sciota, Ill. Filed July 9, 1923. Serial No. 650,438. 2 Claims. (Cl. 70—112.)



1. A permutation lock including a sectional body portion, one of said sections having a threaded extension, the opposite extension having threads to receive the threaded extension to connect the sections, tumblers and locking disks supported on the threaded extension, a shackle supporting member movable through the body portion, locking dogs on the shackle supporting member and adapted to cooperate with the locking disks to restrict movement of the shackle supporting member, said locking disks having notches adapted to register to allow the locking dogs to move therethrough, and a pivoted shackle on the shackle supporting member.

1,482,516. ATTACHMENT FOR CORN SHELLERS. J EMIL HOFMANN, Orient, Iowa, assignor of one-half to H. J. Reha, Orient, Iowa. Filed May 8, 1923. Serial No. 637,430. 3 Claims. (Cl. 130—6.)



1. In a device of the class described, a support frame, a sheller cage formed of a series of segmental staves arranged in a cylindrical plane, means for loosely mounting said staves with their edges adjacent and slightly spaced apart, and yieldable means for holding the staves against outward radial movement and against their adjacent edges being separated.

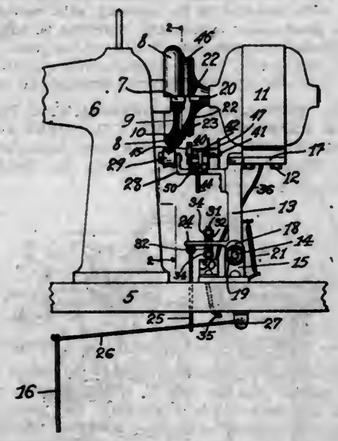
1,482,517. SIGNAL VALVE. FRANK N. KELSEY, New Haven, Conn., assignor of one-half to Paul C. Swole, New Haven, Conn. Filed Feb. 26, 1923. Serial No. 621,384. 1 Claim. (Cl. 152—11.5.)

In a valve; a valve body having a chamber therein; a valve movably mounted within said chamber; means for holding said valve upon its seat by variable pressure; an auxiliary valve body at an angle to said valve body, having a port therethrough connected with the chamber in said valve body, and having means to connect the same to a tire valve head; and a reducing head with longitudinal grooves therein, movably mounted within



said auxiliary valve body, having a stem thereon that contacts with the stem within said tire valve head when said auxiliary valve body is connected therewith.

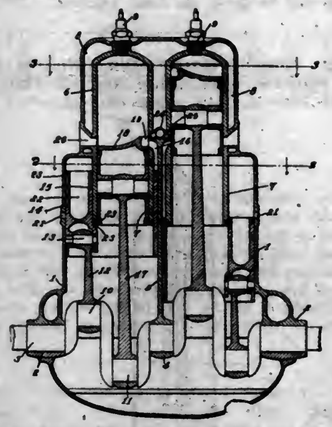
1,482,518. SEWING-MACHINE MOTOR. FREDERICK M LASERSON, Brooklyn, N. Y. Filed Aug. 13, 1920. Serial No. 408,339. 1 Claim. (Cl. 192—17.)



The combination with a sewing machine having a driving shaft and a driving wheel on said shaft, of a friction driving member inserted in the face of said driving wheel, a bracket pivoted adjacent the said sewing machine, said bracket having a motor base extending in a direction away from the said sewing machine and a brake arm extending towards the said sewing machine, a brake member secured to said brake arm, a motor mounted on said motor base, the combined weight of the said motor and motor base tending to automatically move the said motor away from operative relation with the said sewing machine and to move the said brake member into braking relation with the said sewing machine driving wheel, a spring for assisting the movement aforesaid, a driving wheel secured to the shaft of the said motor, and mechanism for operating the said bracket to cause the face of the said motor driving wheel to engage the said friction member in the face of the sewing machine driving wheel to drive the said sewing machine from the said motor with the motor shaft and the sewing machine driving shaft in axial alinement.

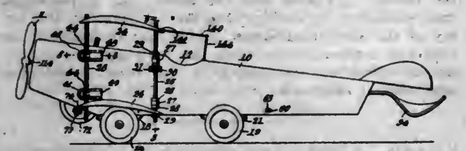
1,482,519. INTERNAL-COMBUSTION ENGINE. LOUIS LEONARD LUCH and LEROY MATTSON, Portland, Oreg. Filed Oct. 1, 1921. Serial No. 504,546. 6 Claims. (Cl. 123—65.)

1. In an internal combustion engine the combination with a casing having cylindrical portions, of spaced cylinders integral with the casing and having guide portions constituting extensions thereof and eccentrically mounted within the cylindrical portions of the casing, charging pistons mounted for reciprocation between said guide portions and the wall of the cylindrical portions of the casing, a firing piston mounted for reciprocation within each cylinder and its extension, a port for directing fuel from the path of each charging cylinder into



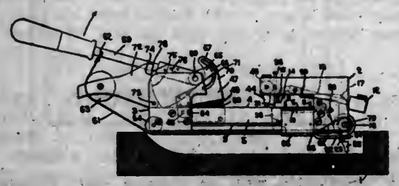
the path of each firing cylinder, a fuel supply port adapted to be opened and closed by each of the charging pistons, an exhaust port in each cylinder, said firing pistons constituting means for opening and closing the exhaust and intake ports and those ports feeding fuel into the cylinders.

1,482,520. AEROPLANE. KYLE LYON, Spencer, N. C., assignor of one-third to Thomas W. Smith and one-third to Adam J. Clement, both of Rowan County, N. C. Filed June 19, 1922. Serial No. 569,461. 4 Claims. (Cl. 244—14.)



1. In an aeroplane, a fuselage, a chassis supporting the same, propelling means carried by the fuselage, a pair of supporting planes disposed upon opposite sides of the fuselage, upstanding rock shafts connected with the supporting planes and arranged near their rear edges and connected with the fuselages, positive means to turn the rock shafts, upstanding lock shafts connected with the supporting planes near their forward edges, sliding bolts to engage the lock shafts and hold them against movement, and means to operate the sliding bolts.

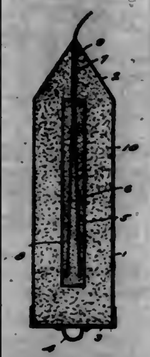
1,482,521. MACHINE FOR JOINING FILM STRIPS. HENRY E. MCELWAIN, Holyoke, Mass. Filed Feb. 1, 1921. Serial No. 441,656. 26 Claims. (Cl. 154—42.)



4. In a machine for joining film strips, the combination with means to apply moisture to the emulsion on a film strip, of means to remove the moistened emulsion,

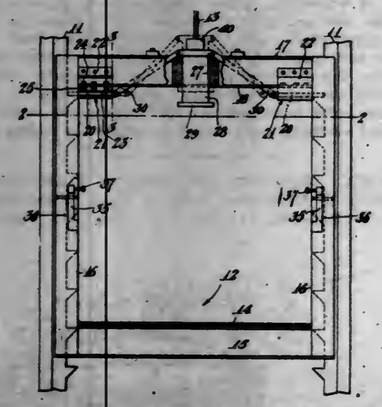
a pair of relatively-movable clamping members, each having a shearing edge, a shearing member rigid with each clamping member and forming therewith a slot to receive the film, and means to move the clamping members thereby to cause the shearing members to sever the film ends and to press the films together.

1,482,522. FIRE EXTINGUISHER. WILLIAM N. MORRISS, Waterloo, Iowa. Filed Nov. 12, 1921. Serial No. 514,724. 1 Claim. (Cl. 169—28.)



As a new article of manufacture, a fire extinguisher comprising an exterior casing formed of stiff paper treated to resist dampness including a cylindrical side wal and a conical closure extension formed on the forward end of the side wall, a rigid metal cap secured to the rear end of the side wall acting as a closure for the casing, a handle secured to said rigid metal cap, an axially disposed longitudinally arranged cartridge positioned in the casing in spaced relation to the side wall, the conical extension and the metal cap, a protecting tube extending forwardly from the cartridge to the vertex of the conical extension, and a fuse disposed in the tube and communicating with the cartridge and extending exteriorly of the casing at the vertex portion of said conical extension.

1,482,523. SAFETY ATTACHMENT FOR ELEVATORS. ELIJAH RASBY, Los Angeles, Calif. Filed Mar. 23, 1921. Serial No. 454,788. 1 Claim. (Cl. 187—92.)



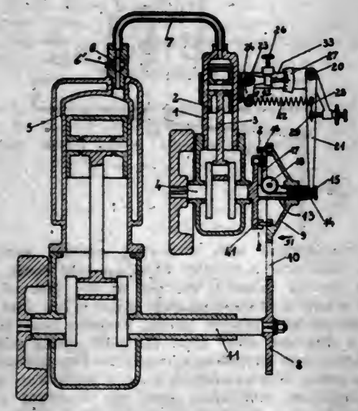
In combination with an elevator shaft including a vertical rack on the side thereof; an elevator car including a pair of standards between which said rack extends; a weighted dog pivoted in one of said standards; and a handle on said dog for swinging the same across said rack into a slot in the other standard and against the upper end of said slot for arresting the descent of said elevator.

1,482,524. BIN SHOVELER. FRED ROBINSON, Duluth, Minn. Filed Jan. 6, 1923. Serial No. 610,972. 4 Claims. (Cl. 214—17.)



1. In combination with a storage chamber having a discharge opening formed therein, a discharging conveyor adapted to be removably associated with the opening in the chamber, said conveyor having a portion adapted to be inserted in the opening, said portion serving as a pivot about which the conveyor is adapted to revolve during its operation.

1,482,525. INDICATOR FOR DETERMINING THE AVERAGE PRESSURE IN THE CYLINDERS OF PISTON MACHINES. EMIL SCHIMANEK, Budapest, Hungary. Filed Sept. 3, 1921. Serial No. 498,473. 5 Claims. (Cl. 73—186.)



1. An indicator for determining the mean effective pressure of the working cylinder of a piston engine, comprising a valveless indicator-motor, means to connect the cylinder-space of the said indicator-motor with the cylinder-space of the engine to be tested, means causing the indicator-motor to run in synchronism and phase coincidence with the engine to be tested and means to measure the force necessary to keep the indicator-motor in synchronism with the engine to be tested when connected with the cylinder of the latter.

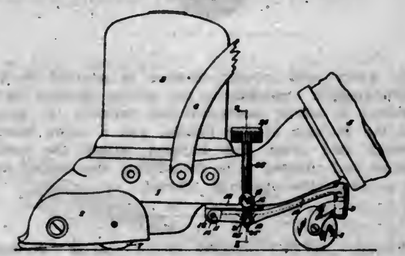
1,482,526. TURBINE UTILIZING ELASTIC MOTIVE FLUIDS. EDWIN SCHLUMPF, Zurich, Switzerland, assignor to the Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed Mar. 2, 1922. Serial No. 540,429. 6 Claims. (Cl. 253—78.)

1. In a turbine utilizing elastic motive fluids, a casing enclosing at least one runner-wheel chamber, at least one nozzle ring arranged within the casing, and branches for the admission of motive fluid to the nozzle ring, said branches being cast in one piece with the casing and the nozzle ring and forming the only connecting part



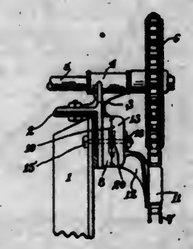
between these two bodies, the nozzle ring being otherwise surrounded by the motive fluid contained in said runner-wheel chamber.

1,482,527. CASTER. WALTER S. SIMPSON, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,863. 6 Claims. (Cl. 16—34.)



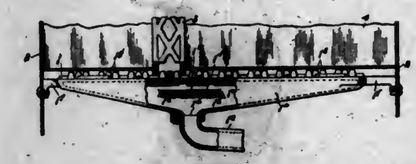
1. A caster for vacuum cleaners or the like including an arm pivoted thereto at one end and having a caster at the other end bearings on the cleaner and arm and an adjusting screw on one of the bearings and swivelled to the other bearing.

1,482,528. CHAIN OR BELT TIGHTENER. CHARLES N. STONE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 3, 1922. Serial No. 549,283. 7 Claims. (Cl. 64—5.)



1. In a device of the character described, the combination with a support, of two circular members mounted on the support and having plane surfaces opposed and normally in contact, one of said members rigid with said support and the second member rotatably adjustable, a series of radial grooves in the plane surface of each member, means to hold said members together, means interlocking with two directly opposite grooves to hold the adjustable member from rotation, and an arm extending from said adjustable member and movable therewith.

1,482,529. GAS BURNER. JOHN R. TAYLOR, Mansfield, Ohio, assignor to The Hartman-Spreng Company, Mansfield, Ohio, a Corporation of Ohio. Filed May 31, 1922. Serial No. 564,993. 4 Claims. (Cl. 158—104.)



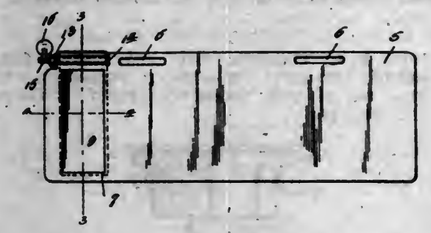
1. A gas burner and manifold including outwardly tapering end portions and an intermediate portion of relatively large cross-sectional area having a fluid inlet spaced nearer one tapered end portion than the other, and a fluid feed pipe extending along and approximately parallel with the further spaced tapered end portion to compensate for the initial flow of the combustible fluid into the opposite or shorter tapered portion of said manifold.

1,482,530. DENTIMETER. RICHARDSON H. TAYLOR, Meeker, Colo. Filed Aug. 21, 1922. Serial No. 583,187. 5 Claims. (Cl. 33—179.)



1. A measuring instrument comprising, in combination, a body member having two relatively movable legs connected thereto at one end and having their other ends free, said legs having openings through their free ends adapted to receive a wire, and means for anchoring the ends of the wires.

1,482,531. LICENSE PLATE. LAWRENCE T. THORN, Harrisburg, Ark. Filed Feb. 26, 1923. Serial No. 621,251. 2 Claims. (Cl. 40—63.)



1. In a license tag wherein the same is formed adjacent one end with an opening, a removable year plate positioned upon said tag and rearwardly of said opening, said year tag being formed with a record sheet pocket and means for securing said year plate to said license tag.

1,482,532. STAMPING HAMMER. WALTER TIMINSKI, Duluth, Minn. Filed July 31, 1920. Serial No. 400,355. 1 Claim. (Cl. 101—29.)

A stamping hammer having a heavy metal head, a handle fitted thereto, a transversely extending slot in a striking face of said head, said slot extending to a lateral face of the head and along said lateral face, a pivot member fitted in said head and extending through said lateral portion adjacent the handle, a lever fitted

on said pivot, one end of said lever closing the open end of the slot on the striking face, and adapted to engage a stamping die fitted in said slot, the other end



of the lever extending adjacent the head and a spring fitted in a recess in the head urging said end of the lever away from the head.

1,482,533. COMBINED BUMPER SUPPORT, TIRE-CARRIER SUPPORT, AND SPRING-ATTACHING DEVICE. WILLIAM K. WISE, Tulsa, Okla. Filed Jan. 29, 1923. Serial No. 615,773. 10 Claims. (Cl. 293—55.)



1. In combination with a chassis having a frame including a transversely extending rear end member and a tank secured thereto and projecting rearwardly therefrom, an attachment therefor comprising a pair of arms adapted to be rigidly secured to the frame at opposite sides thereof and having their ends extending rearwardly and downwardly therefrom, and a brace bar rigidly connecting the rear ends of said arms and disposed rearwardly of the tank in alignment therewith.

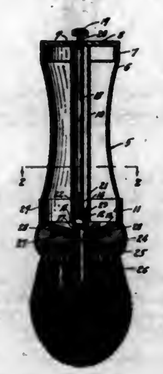
1,482,534. CLOSURE FOR STORAGE-BATTERY CELLS. JOSEPH L. WOODBRIDGE, Philadelphia, Pa. Filed Feb. 24, 1922. Serial No. 538,957. 3 Claims. (Cl. 220—44.)



1. A vent closure for storage battery cells comprising in combination a cell cover having a flaring wall providing a filling opening and terminating in an inturned ledge, an externally cylindrical cap overhanging one end of said wall and spaced from the cover and seated on the ledge to provide for ventilation at all times, and spacing ribs between the cylindrical portion of the cap and the face of the flaring wall.

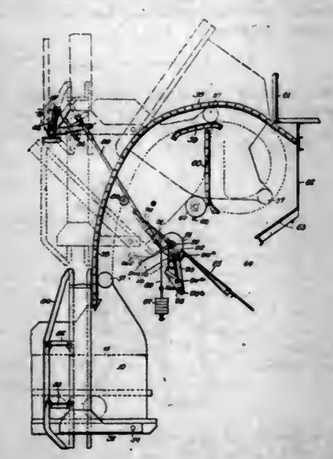
1,482,535. FOUNTAIN BRUSH. VIRGIL LEONARD WOODS, Williams, Calif. Filed July 19, 1922. Serial No. 576,062. 4 Claims. (Cl. 15—138.)

1. A fountain brush of the character described comprising a tubular handle open at its opposite ends and having a removable cover at one end and a brush head at the opposite end, the brush head including a flexible nozzle extending into the bristles of the brush, a tubular member attached to the cover and removable therewith and extending into the handle to a position adjacent to the base of the nozzle, a conical member disposed in the base of the nozzle and projecting into the handle



with which said tubular member is adapted to have screw-threaded engagement, the conical member having openings to afford communication between the nozzles and the interior of the handle, and a valve inserted through said cover and disposed within the tubular member and adapted to be forced into the conical member to close the openings thereof.

1,482,536. OVERTURNING MINE CAGE. ANDREWS ALLEN, Chicago, Ill. Filed Jan. 21, 1921. Serial No. 438,844. 8 Claims. (Cl. 214—122.)



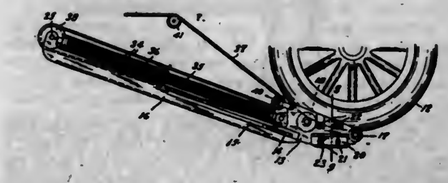
1. In combination, a mine cage, an L-shaped bail adapted to support said mine cage, a pivotal mounting for said bail and said cage at one side of the center of gravity of the said cage, a curved track and means at the upper portion of said cage for engagement on the under-side of the said track whereby the said cage is dumped during the hoisting operation.

1,482,537. WREATH. LEO ALTER, Chicago, and GABRIEL STANYO, Congress Park, Ill. Filed Jan. 31, 1923. Serial No. 616,026. 4 Claims. (Cl. 41—12.)



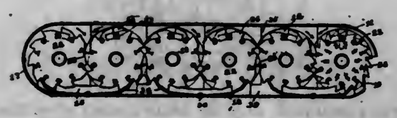
1. A wreath made up of a plurality of sections arranged end to end and each comprising a core and an ornamental covering for the core, one of each two meeting ends of the cores having a part projecting beyond the covering thereon and overlapping the core of the other section behind the covering on the latter.

1,482,538. EMERGENCY BRAKE FOR MOTOR VEHICLES. THOMAS A. ARNOLD, Tacoma, Wash. Filed Oct. 24, 1921. Serial No. 509,881. 5 Claims. (Cl. 188—4.)



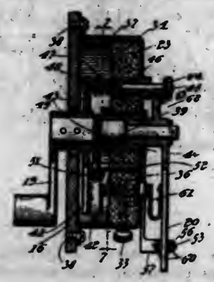
1. Brake apparatus of the class described including brake shoe supporting devices of channel shaped cross section pivoted at their forward ends to the forward portion of a vehicle frame, the side flanges of said brake shoe supporting devices being slotted to form longitudinally extending guideways toward their rear ends, brake shoes movable lengthwise within said brake shoe supporting devices and arranged to receive and support the rear wheels of a vehicle, flanges on the side of said brake shoes arranged to travel in said slotted guideways, resilient means for urging said brake shoes rearwardly and cable means for moving said brake shoes forwardly.

1,482,539. COUNTER. JOSEPH H. BAIR, Philadelphia, Pa. Filed Oct. 29, 1917. Serial No. 198,958. 5 Claims. (Cl. 235—74.)



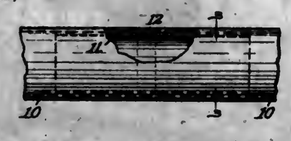
1. In a counter the combination of a series of rotatably mounted counter disks parallel to each other but not coaxial and having a carrying relation between them, two terraced housing covers with their corresponding faces parallel and conforming to each other and adapted to confine between these conforming faces the respective counter disks as described.

1,482,540. SIGNAL DEVICE FOR AUTOMOBILES. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 18, 1917. Serial No. 175,514. 14 Claims. (Cl. 177—337.)



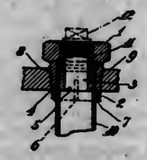
1. The combination with an automobile having a steering gear, of two electric lights one on each side of the automobile for indicating the turnng movement thereof, manually-controlled switch means for selectively controlling the lighting of said lights to indicate either right or left-hand turning, releasable means for causing the light lighted to remain lit, and means controlled by said steering gear for controlling said switch means and for releasing said releasable means.

1,482,541. WELDED COLUMN AND PROCESS OF MAKING IT. LE ROY BRAISTED, Wellesley, Mass., assignor to Milford Iron Foundry, Milford, Mass. Filed Aug. 14, 1922. Serial No. 581,608. 2 Claims. (Cl. 219—10.)



1. As an article of manufacture, a welded iron concrete filled column consisting of a plurality of pipe ends placed end to end in registration with each other and provided with an inner pipe of the same material fitting the inside of the pipe ends all around and located at the joint between them, the abutting ends of the pipe ends being welded together and the weld extending to the surface of the said inner pipe, whereby that is welded to both of the pipe ends.

1,482,542. BUSHING FOR TUBULAR RADIATORS. WILLIAM J. BUETTNER, Carnegie, Pa. Filed Apr. 17, 1922. Serial No. 554,011. 4 Claims. (Cl. 285—48.)



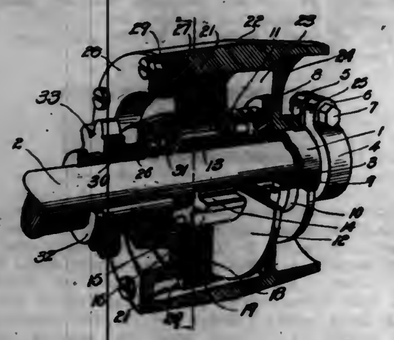
1. In combination with a tubular radiator, a plurality of tubes; end-plates positioned at each end of said tubes and engaged thereby; a plurality of centrally apertured bushings for securing said tubes in said end-plates; said bushings having two spaced concentric shells for engaging said tubes therebetween, the outer shell being resilient, tapered and threaded outwardly for engagement with said end-plates and smooth and straight inwardly; the inner shell being straight and smooth all over.

1,482,543. PNEUMATIC TOOL. RALPH B. BUTTERBAUGH, Minneapolis, Minn., assignor to Reuben E. Hauser, Minneapolis, Minn. Filed Apr. 25, 1921. Serial No. 464,481. 3 Claims. (Cl. 74—14.)



1. A portable power device comprising a casing, an oscillatory sleeve projecting from said casing, a rotary motor-driven shaft mounted in said casing and projecting through said sleeve, said sleeve and shaft being arranged to operate different tools, a lever pivoted within said casing and connected to said sleeve for oscillating the same, and an eccentric element carried by said shaft and directly operative on said lever to oscillate the latter.

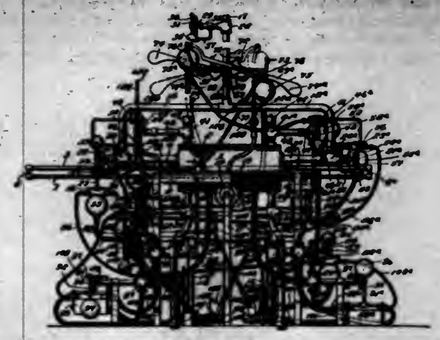
1,482,544. CLUTCH. ARTHUR W. CAPS, Topeka, Kans., assignor, by mesne assignments, to O. D. Collis, Clinton, Iowa. Filed Sept. 20, 1920. Serial No. 411,419. 2 Claims. (Cl. 192—69.)



1. In combination, a shaft, a sleeve on said shaft having a split end, a contractible collar about the split end to contract the same into frictional engagement with the shaft, an outstanding spring seat carried by the sleeve, a pulley having a hub interposed between the spring seat and the collar whereby the hub may have rotative movement with respect to the shaft but be held against longitudinal movement, a plurality of interleaving clutch laminations carried by the pulley and the sleeve respectively, one end wall of the pulley serving as an abutment, a longitudinally movable, clutch actuator on the sleeve, an expansion spring interposed between the actuator and the spring seat, and a longitudinally shiftable releaser sleeve on the shaft for exerting pressure against the actuator in opposition to the expansive force of the spring.

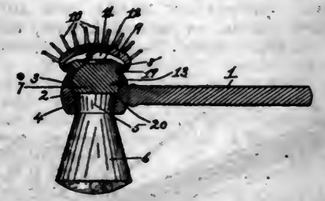
1,482,545. HYDRAULIC MOTOR. JOSÉ MA. CALLEJAS, Habana, Cuba. Filed Oct. 23, 1919. Serial No. 332,780. 6 Claims. (Cl. 121—126.)

1. In a hydraulic motor, a cylinder, a piston therein, valves to control the admission of water to and its discharge from opposite ends of the cylinder and thereby cause the piston to move, and valve operating means including water weight vessels, means to normally raise



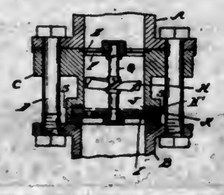
said water weight vessels, and means to control the supply of water to and the discharge of water from said water weight vessels.

1,482,546. LATHERING UTENSIL. FRANK C. CURTIS, Troy, N. Y. Filed Jan. 8, 1916, Serial No. 70,947. Renewed July 19, 1923. 5 Claims. (Cl. 15—110.)



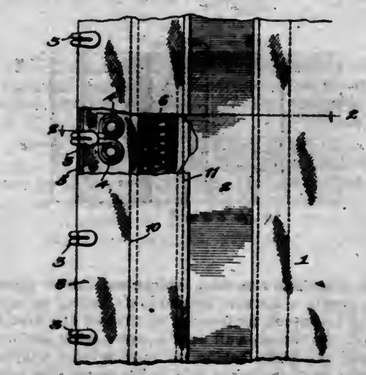
1. A lathering utensil comprising a head provided with a bore, a handle projecting laterally from the head, a body of bristles projecting from one end of the bore, the body and head having means for preventing relative movement between the head and bristles in one direction; a finger-pad formed with a recess, and a plug secured in the other end of the bore and having a peripheral flange outside the bore extending into said recess of the finger-pad, whereby the plug prevents escape of the bristles from the bore and secures the pad to the head.

1,482,547. GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. BRADFORD A. DELL, Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1920. Serial No. 369,000. 1 Claim. (Cl. 137—152.)



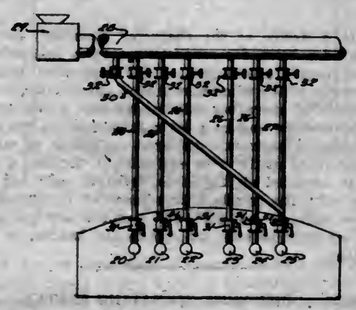
The combination with the intake conduit of an internal combustion engine, of a throttle therein comprising cooperating register plates, one plate being movable, a shaft for said movable plate, an annular member in said conduit and concentric to the axis of said shaft, a spring within said annular member and connected thereto, said spring being also connected to said shaft and normally retaining said movable plate in open position, and means on said shaft adapted to be operated by the increased velocity of the fluid passing through said conduit for actuating said movable plate towards closed position, said conduit having a slot therein, said annular member having a recess therein registering with said slot and adapted to receive a tool for adjusting said annular member whereby the tension of said spring may be regulated.

1,482,548. CORSET. MOSES MOODY DOWNES, Bridgeport, Conn., assignor to La Resista Corset Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 25, 1922. Serial No. 603,158. 3 Claims. (Cl. 2—74.)



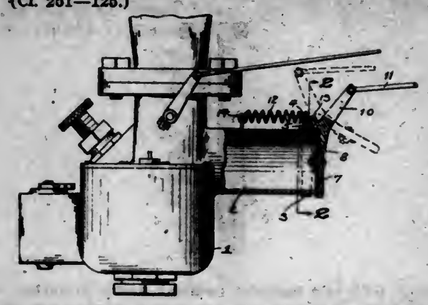
1. The hereindescribed improvement in the construction of the meeting front sections of a corset, including an elastic strip extending the full length of the corset and stitched along its inner side edge to the front body portion of each section to form a part thereof, a pair of opposed fabric strips each stitched along their inner vertical side edges to the outer vertical side edge portion of each elastic strip, fastening means secured between each pair of strips along the outer vertical side edge portions thereof, said pairs of strips being connected by intermediate lines of stitching, which latter form pockets adjacent to the outer vertical side edge of the elastic strips, and a stiffening stay in each pocket.

1,482,549. DISTRIBUTION OF FUEL. HENRY F. EASTER, Hayden, Ariz., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed July 30, 1921. Serial No. 488,662. 12 Claims. (Cl. 266—38.)



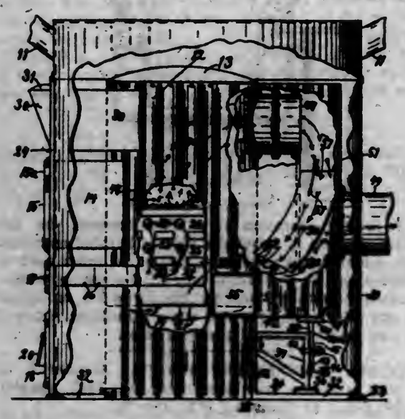
1. The method of smelting ore in a reverberatory furnace which consists in introducing ore adjacent the side walls of the furnace to form sloping embankments, and feeding pulverized fuel thereto under pressure in quantity greater adjacent the embankments.

1,482,550. VALVE. GEORGE ESOPH, Jr., Tennis, S. Dak. Filed July 16, 1921. Serial No. 485,168. 2 Claims. (Cl. 251—125.)



1. An attachment for carbureters embodying an air inlet tube having an open end comprising a split clamping yoke adapted to be engaged upon the end of the tube and when engaged to have its adjacent ends spaced, means extending through said ends for clamping the yoke upon the tube, and a valve pivoted upon said means for closing the end of the tube.

1,482,551. HOT-AIR FURNACE. GEORGE A. GERMAIN and JOHN W. GELLENBECK, St. Paul, Minn. Filed Sept. 20, 1922. Serial No. 589,438. 3 Claims. (Cl. 126—99.)

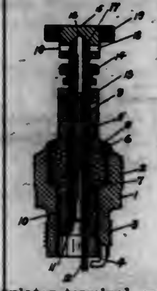


1. In a furnace, the combination with a base, a furnace body secured to the base, a radiator secured with its upper portion to the furnace body, one or more devices supporting the lower end of the radiator, each of said devices composed of two members secured one to the base, the other to the radiator and having each a vertical ratchet rack arranged to slide on the teeth of the other rack, one of said racks having a vertical slot, the other having a bolt movable in the slot and provided with a spring washer and a nut for holding the racks engaged in a manner allowing them to slide automatically on each other when subjected to a certain degree of force.

1,482,552. SPARK PLUG. OBY A. GODWIN, Birmingham, Ala. Filed July 5, 1921. Serial No. 482,346. 2 Claims. (Cl. 123—169.)

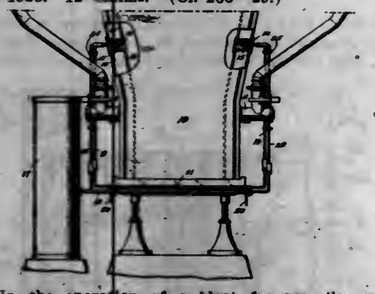
1. In a spark plug, a shell having an insulator mounted therein, the inner end of the insulator being adapted to fit snugly in the bore at the inner end of the shell and having its inner end formed with an upwardly tapered recess, a tubular electrode having its lower end beveled to form a continuation of the taper of the recess and extending from the apex of said recess through the bore of the insulator and having a narrow integral segmental ex-

tension projecting into said recess to form a sparking terminal, a sparking terminal on the shell adapted to



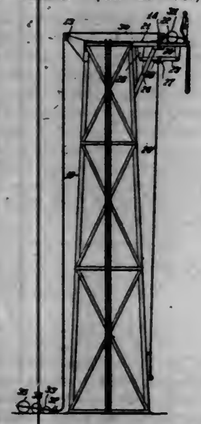
co-act with said insulator terminal, means to anchor the tube in the insulator, and means to close the open upper end of the tube.

1,482,553. FURNACE OIL BLAST. CLARENCE ALFRED GRABILL, El Paso, Tex., assignor to American Smelting & Refining Company, a Corporation of New Jersey. Filed Feb. 12, 1919, Serial No. 276,591. Renewed Sept. 26, 1923. 12 Claims. (Cl. 266—29.)



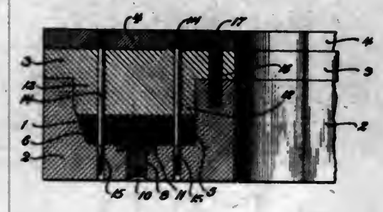
1. In the operation of a blast furnace, the process which consists in forming a ring of burning carbonaceous fuel confined to a position adjacent the inner wall of the furnace and at the fusion zone of the charge within the furnace thereby to prevent the formation of accretions on the sides of the furnace while permitting a free draft up the center of the furnace interior.

1,482,554. AMUSEMENT DEVICE. ERNEST T. GUNDLACH, Chicago, Ill. Filed Sept. 17, 1921. Serial No. 501,389. 14 Claims. (Cl. 46—70.)



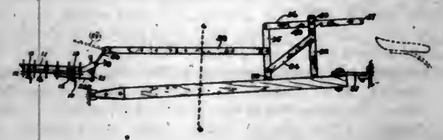
1. In an amusement apparatus, the combination of an elevated structure, and a cable movably supported at the top of the structure provided with means for attaching it to a person and with means comprising elements which are effective, successively, to oppose the weight of a person falling from said structure so as to gradually counterbalance the weight of said person.

1,482,555. MOLD FOR MAKING FABRIC DISKS FOR VEHICLE WHEELS. ALLEN E. HALL, Philadelphia, Pa., assignor to Hall Wheel Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 10, 1922, Serial No. 593,568. Renewed Dec. 26, 1923. 2 Claims. (Cl. 18—42.)



1. In a mold for making vulcanized fabric disks for vehicle wheels, a metallic bottom plate having an annular recess of a contour conforming to that of the disk to be produced, the bottom wall of the recess being perforated; a metallic top plate having an annular part adapted to take into and fit the upper part of the recess and provided with perforations adapted to register with the perforations in the bottom plate, and a follower plate having pins adapted to take through the perforations in the top plate and into the perforations in the bottom plate.

1,482,556. DEVICE FOR CONTROLLING DRAWN IMPLEMENTS FROM THE SEAT OF A TRACTOR. JOHN A. HALL, Lebanon, Ohio. Filed Apr. 9, 1921. Serial No. 460,110. 3 Claims. (Cl. 56—10.)

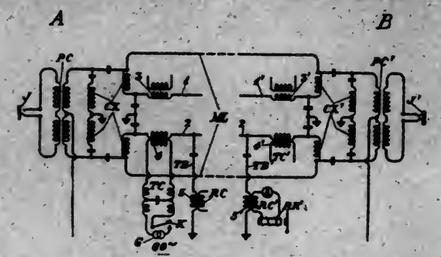


1. In a device of the character described, the combination of a hitch for connecting a farm implement to a tractor, control mechanism on the implement, comprising an element which when moved in a characteristic manner is capable of operating said mechanism, a rod connected to said element and to a lever fulcrumed on the hitch, a substantially horizontal pull rod connected to said lever and provided at its free end with a handle, a guiding bracket mounted on the hitch, whereby said rod is supported with the handle within reach of the driver of the tractor while in his seat, and a notch and pin arrangement whereby to lock the rod to the bracket in desired positions.

1,482,557. COMPOSITE SIGNALING SYSTEM. BAXTER P. HAMILTON, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,682. 4 Claims. (Cl. 179—4.)

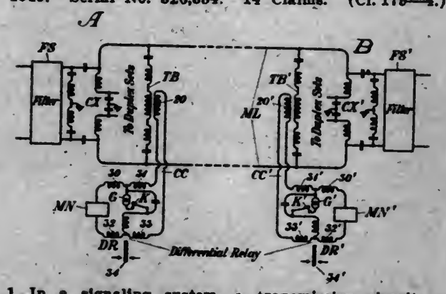
1. In a signaling system, a telephone transmission line, composite apparatus including Morse legs for transmitting Morse signals over one side of said telephone

line, similar apparatus including Morse legs for transmitting Morse signals over the other side of said line,



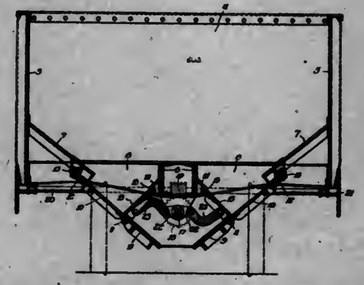
and carrier apparatus associated with said Morse legs for transmitting alternating carrier currents modulated by signals through said Morse legs and over said line.

1,482,558. ALTERNATING-CURRENT SIGNALING APPARATUS. BAXTER P. HAMILTON, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,554. 14 Claims. (Cl. 179—4.)



1. In a signaling system, a transmission circuit, a tuned bridge across said circuit, transmitting and receiving apparatus associated with said transmission circuit only through said bridge, and means for maintaining said transmitting and receiving apparatus conjugate with respect to each other.

1,482,559. HOPPER CAR. HARRY S. HART, Chicago, Ill. Filed Aug. 4, 1921. Serial No. 489,697. 10 Claims. (Cl. 105—251.)



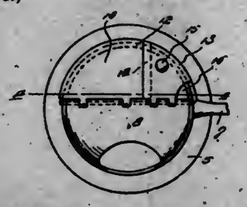
1. A car of the class described having its floor between the trucks in the form of a longitudinally extending hopper, said hopper comprising sides sloping downwardly and inwardly from the sides of the car to a point below the center sill, the lower edge of said hopper sides being spaced apart, and means for selectively discharging the entire portion of the load in the hopper either through this lower spaced portion of the hopper or toward the sides of the car.

1,482,560. MAN'S NECKWEAR. JAMES A. HEWES, Melrose, Mass., assignor to Hewes & Potter, Boston, Mass., a Copartnership composed of James A. Hewes and Frank W. Potter. Filed Aug. 10, 1922. Serial No. 580,893. 1 Claim. (Cl. 2—11.)



In a made up necktie the combination of a large end 3 having an eye, a small end 4 and a neckband 5 connecting said ends, said neckband consisting of a thin and narrow strip of smooth and hard finished material, one extremity of said neckband being secured to one of said ends, and the other extremity being provided with a hook to engage the eye in the other end of the tie, and a transverse loop secured to the large end 3 of said tie, the small end 4 lying within and extending below said loop when the tie is being applied and adjusted to the collar, and free to slide longitudinally through said loop.

1,482,561. CUP. BERTHA E. HODGKIN, Russellville, Ind. Filed May 10, 1923. Serial No. 638,143. 1 Claim. (Cl. 65—13.)

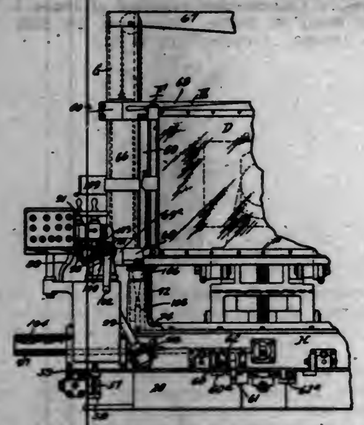


In an article of the class described, a cup having a semi-circular wall formed at the upper edge thereof and closing a portion of the opening in the cup, said wall being provided in the central portion adjacent the edge of the cup with an outlet opening for fluid, a pair of cooperating cover sections hingedly connected with the semi-circular wall of said cup, said sections forming a semi-circular cover for the open portion of said cup, one of said sections having the adjacent edge of the other section offset for interfitting relation with the edge of said other section, and said other section being provided with a cut-away portion and a handle whereby said other section may be moved on its pivot independently of the first mentioned section.

1,482,562. ADJUSTMENT-INDICATING MEANS FOR PHOTOGRAPHIC-PRINTING APPARATUS AND OTHER APPARATUS. WILLIAM C. HUEBNER, Buffalo, N. Y., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Filed May 9, 1921. Serial No. 467,957. 10 Claims. (Cl. 88—24.)

1. In a photographic printing apparatus, the combination with an adjustable member, of a graduated scale and a microscope, one of which devices moves with said ad-

justable member past said other device, and a screen in fixed relation to said microscope on which said micro-



scope projects an enlarged image of the portion of said scale opposite the microscope.

1,482,563. SUPERHARDENED STEEL AND PROCESS FOR PRODUCING THE SAME. AXEL GUSTAF EMANUEL HULTGREN, Gottenborg, Sweden. Filed June 15, 1920. Serial No. 389,182. 17 Claims. (Cl. 148—12.)

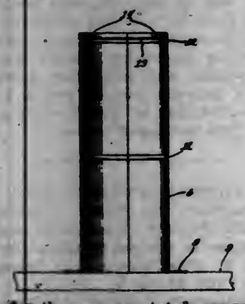
1. The method which consists of forming a steel article, then hardening the same, and then subjecting such article to a rolling pressure for superhardening the steel thereof at and adjacent the surface.

1,482,564. HOSE CLAMP. NORMAN ISACHSON, Albion, Idaho. Filed Feb. 13, 1923. Serial No. 618,853. 6 Claims. (Cl. 24—19.)



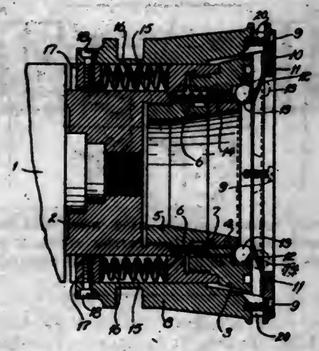
1. A clamp of the character described, comprising a divided wire ring having slidably contacting overlapping ends, and a divided clamping band having a shallow internal groove to receive said ring, and means for contracting said band upon said ring.

1,482,565. MOLD FOR CONCRETE STRUCTURES. CHARLES E. JOHNSON and WILLIAM W. FIELDS, Cleveland, Ohio. Filed May 14, 1923. Serial No. 638,824. 2 Claims. (Cl. 25—131.)



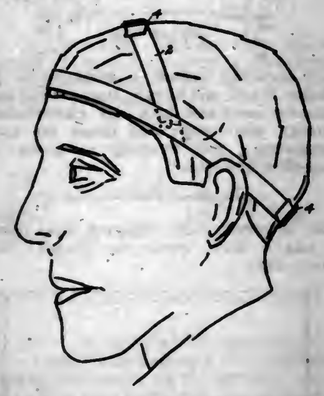
1. A device for the purpose stated, comprising a sheet metal sleeve provided with slits forming tongues bent out to form supporting feet at the bottom and a removable cap plate at the top.

1,482,566. CHUCK. JEREMIAH KELLER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 2, 1922. Serial No. 585,931. 7 Claims. (Cl. 279—1.)



1. A chuck comprising a body having a bore with a flaring outer end and having an abutment in said bore for annular work, a circular series of balls arranged to bear against the flaring wall of said body and said work, a spring pressed ring slidable longitudinally in said bore outside of said work, and means for exerting pressure inwardly against said balls, the outer end edge of said ring being beveled and bearing against said balls.

1,482,567. HAIR HOLDER. VOLNEY E. KIRK, Los Angeles, Calif. Filed July 3, 1922. Serial No. 572,582. 6 Claims. (Cl. 132—46.)



2. A device of the character described comprising a brow encircling band, and a second band rigidly fixed to the sides of said brow band at an angle of approximately forty-five degrees and arranged to extend over the top of the head from one side thereof to the other, so as to rest upon and extend crosswise of hair extending rearwardly from the forehead.

1,482,568. FOUNTAIN PEN. JOHN H. KRITIKSON, Chicago, Ill., assignors, by mesne assignments, to Kritikson Bros., Inc., Chicago, Ill., a Corporation of Illinois. Filed June 27, 1921. Serial No. 480,828. 5 Claims. (Cl. 120—46.)

2. In a means for controlling the collapse and expansion of an ink reservoir for fountain pens, the combination of a lever, having laterally extending arms arranged between the ends of said lever and providing a pivot for said lever, a presser bar arranged at one end of said

lever, the opposite end of said lever extending longitudinally and latterly and curved in the plane of its length and having a slot which extends lengthwise of



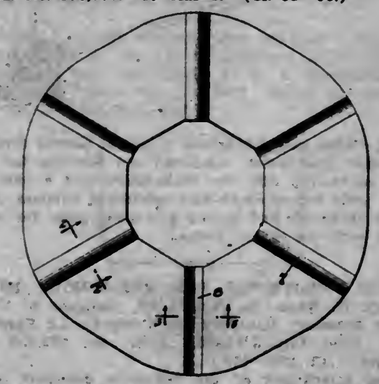
said last mentioned end, and means for engaging and actuating said lever, said means being movable endwise of said barrel.

1,482,569. BOX CORNER. BERTHOLD A. LANGE, St. Louis, Mo. Filed Jan. 16, 1922. Serial No. 529,525. 1 Claim. (Cl. 93—58.)



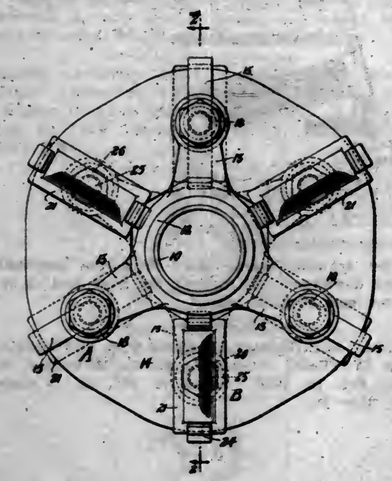
A pair of dies for creasing material therebetween to form box corners, one of said dies being provided with a die face presenting a pair of spaced projections defining a cup-shaped depression, said die being adapted to be moved toward the other die at an angle oblique to the plane of the material, and the other die being provided with a die face presenting a plurality of projections defining relatively spaced apart cup-shaped depressions adapted to be entered by the said projections respectively, of the first-mentioned die, one of the said projections of the said other die being adapted to enter the cup-shaped depression of the said first-mentioned die, whereby the said material is creased with alternate bends and with an increase in material gathered at the intermediate bend.

1,482,570. FLEXIBLE DISK. HARRY P. MACDONALD, Montclair, N. J., assignor to Snead & Company, a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,374. 47 Claims. (Cl. 64—96.)



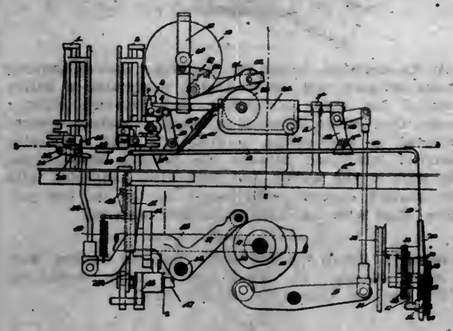
1. A flexible torque transmitting universal joint disk constructed with a laterally raised surface deformation forming a clamping seat for receiving the lateral pressure of a gripping device.

1,482,571. FLEXIBLE JOINT. HARRY P. MACDONALD, Montclair, N. J., assignor to Snead & Company, a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,375. 21 Claims. (Cl. 64—96.)



1. In a flexible joint, the combination of a spider having an aperture, a disc, and means connecting the disc to the spider including a sleeve-like portion fitting said aperture, together with a stud threaded in said sleeve.

1,482,572. BANDING MACHINE. FRANCIS X. MALOCSAY, Saddle River, N. J., assignor to William Steiner Sons & Company, a Corporation of New York. Filed Apr. 19, 1920, Serial No. 375,006. Renewed July 12, 1923. 16 Claims. (Cl. 91—54.)

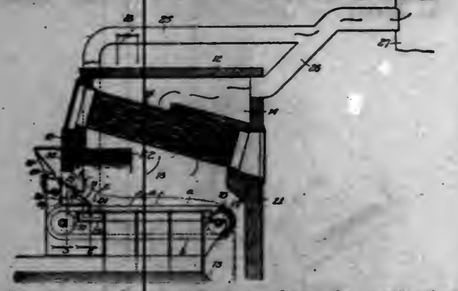


1. A device of the character described, comprising label-holding means, a member carrying a coating of a dry adhesive, means for rendering the adhesive capable of separation from the member, and means for transferring the adhesive from the member to a label carried by the label-holding means.

1,482,573. FURNACE. THOMAS A. MARSH, Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Feb. 25, 1921. Serial No. 447,810. 3 Claims. (Cl. 110—40.)

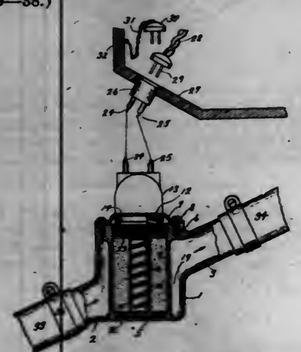
1. In a furnace having a combustion chamber, the combination of a progressive feed grate therein, inclined means for feeding fresh fuel on said grate, said means having an opening therein, a conduit located

beneath said inclined means and opening upward toward the same, and means for placing said conduit under suc-



tion for drawing heated gases from the combustion chamber downward and through the fresh fuel as it is fed over said inclined means.

1,482,574. ELECTRICAL HEATER FOR AUTO RADIATOR SYSTEMS. STARKE L. MEYER, Milwaukee, Wis. Filed Feb. 16, 1920. Serial No. 359,142. 3 Claims. (Cl. 219—38.)



1. An electrical heater for the water cooling systems of an internal combustion engine comprising a fitting adapted for water circulation and provided with a socket from which water is excluded, a heating element mounted in said socket, a di-electric heat conducting material interposed between the heating element and the wall of the socket, and feed wires connected with the heating element, said socket having its end portions lined with non-heat conducting material.

1,482,575. SHOE PROTECTOR. THOMAS BENTON MURPHEY, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,450. 8 Claims. (Cl. 36—72.)



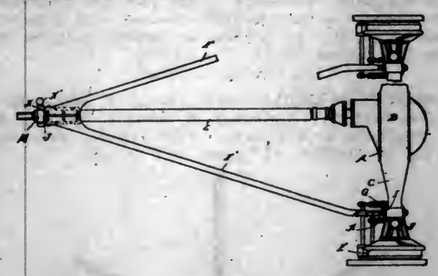
1. A shoe protector comprising a sandal having freely overlapping rear sole portions adapted to be slid upon each other to permit the sandal to be contracted about the arched portion of a shoe and having flexible fastening members secured to the sandal and of ample length for extending around the back of the shoe and around the arched shoe portion to prevent the sandal from sliding off and to effect the said contraction of the sandal.

1,482,576. SECTIONAL GRAIN SPOUT. WILLIAM C. MYERS, Des Moines, Iowa. Filed Dec. 26, 1922. Serial No. 609,084. 4 Claims. (Cl. 198—26.)



1. A grain spout including a main section bent to form an incomplete tapered tube, a removable section arranged to fit snugly against the outside and overlap edges of the main section for forming with the main section a complete tube, means for fastening said main and removable sections together, said means including a pair of studs fixed on said main section near two of its corners, a pair of bolts on the other two corners of said main section, the removable section having notches in one of its edges adapted to receive said studs and openings formed near its opposite edge for receiving said bolts, the parts being so arranged that the removable section may be slid into position by engagement with the studs and locked against accidental removal by the securing of said bolts, as specified.

1,482,577. REAR AXLE. OWEN M. NACKER, Detroit, Mich., assignor of one-half to Alanson P. Brush, Detroit, Mich. Filed June 4, 1917, Serial No. 172,815. Renewed Dec. 3, 1920. Serial No. 428,153. 14 Claims. (Cl. 180—65.)

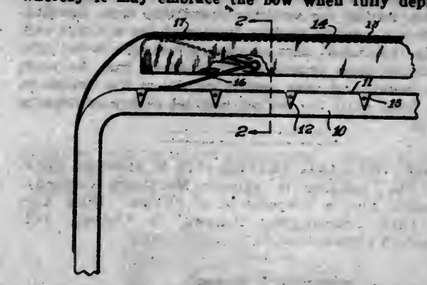


1. A vehicle axle, comprising a central portion formed of pressed sheet-metal, reinforced end portions for directly connecting with the brake-heads, and a pair of torque arms connected to said reinforced portions converging forwardly and having a common point for connection with the vehicle frame.

1,482,578. PROTECTOR FOR AUTOMOBILE TOPS. FRANK H. NASH, La Fayette, Ga., assignor to Nash Auto Accessory Manufacturing Company, La Fayette, Ga. Filed July 5, 1922. Serial No. 572,896. 2 Claims. (Cl. 296—118.)

1. An attachment of the character described comprising a supporting strip adapted to be attached to and extend longitudinally of the upper edge face of the bow of a vehicle top, a member U-shaped in cross section and adapted to bear against the under face of the

cover of the vehicle top and having sufficient width whereby it may embrace the bow when fully depressed,



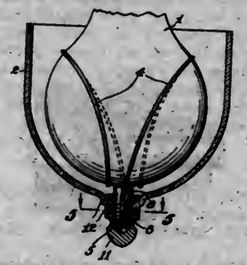
and springs each attached at one end to said supporting strip and at the other to said member and resisting the downward movement of the member.

1,482,579. BALL-BEARING WHEEL. BUDD G. NICE, Ogontz, Pa. Filed Jan. 5, 1923. Serial No. 610,815. 4 Claims. (Cl. 64—36.)



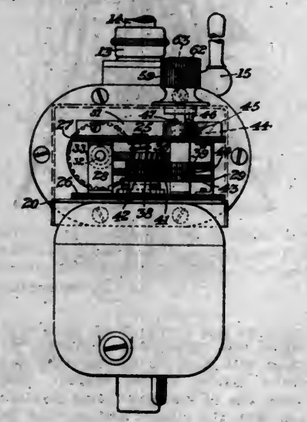
1. A ball bearing wheel comprising in combination a pair of duplicate concave disks each having a cylindrical axially ranging marginal flange and a flat radially ranging marginal flange, the flat radial flanges being arranged in facial contact to provide a ball race, webs of ring form arranged face to face and each centrally provided with a flange consisting of an offset flat radially ranging portion and of a concave portion, the faces of said radial portions and of said radial flanges being in contact and the rims of said concave portions and the peripheral surface of said axial flanges being in contact, with clearance space at the rims of the radial flanges, to insure alignment of the elements of the wheel, a hub having a ball groove, balls in said groove and race, and means for securing the webs together.

1,482,580. SHADE-SUPPORTING MEANS. EBEN F. OLIVER, Jersey City, N. J., assignor to Korrectolite Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 23, 1922. Serial No. 602,723. 2 Claims. (Cl. 240—138.)



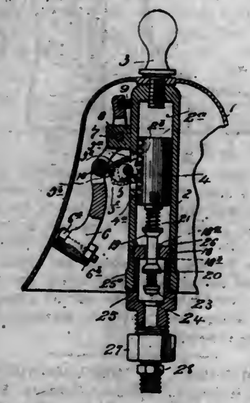
1. The combination with an electric bulb, of a spring clip to clasp the bulb, a downwardly projecting loop on said spring clip forming a yoke extending below the tip of the bulb, a carrying member having an abutment portion abutting against the tip of the bulb and having vertical slots in its side wall below the abutment portion, said loop passing outside the abutment portion and into the slots aforesaid to draw the carrying member against the bulb, a shade having a central opening through which the carrying member passes, and means for securing the shade to the carrying member.

1,482,581. AUTOMATIC POWER-SHUT-OFF MECHANISM. JOHANNES TH. PEDERSEN, Flushing, N. Y., assignor to Aaron M. Sloss, New York, N. Y. Filed Jan. 20, 1921. Serial No. 438,808. 7 Claims. (Cl. 192—142.)



1. In an automatic power shut-off mechanism and in combination, a motor, a shaft driven thereby, a revoluble member mounted freely on said shaft, a switch for opening and closing a circuit to the motor and which switch is normally maintained in an open position by the said revoluble member, and means by which the said revoluble member may be turned a partial revolution to operate the switch to close the circuit to the motor.

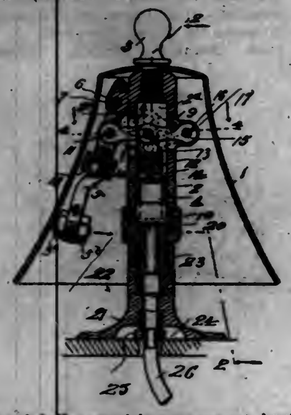
1,482,582. SIGNAL BELL. SAMUEL C. RODESS, New York, N. Y. Filed May 12, 1922. Serial No. 560,284. 12 Claims. (Cl. 116—151.)



9. A signal bell comprising a support, having a passage for fluid pressure, a bell, a clapper, a movable member carried by the support, means to cause said member to actuate the clapper, said member being provided with a stem, valves slidable upon said stem and spaced apart in said passage, seats carried by said support for said valves, said stem being operative freely through said

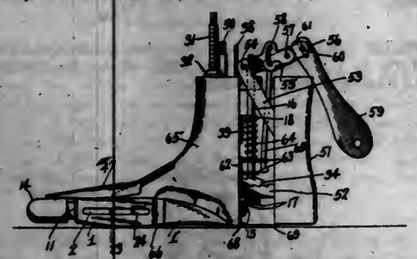
seats, and springs interposed respectively between one of said valves and said member and between the other valve and a stop on said member, said stem having spaced stops for said valves, and means to admit fluid pressure and exhaust to said passage.

1,482,583. SIGNAL BELL. SAMUEL C. RODGERS, New York, N. Y. Filed Aug. 15, 1922. Serial No. 581,936. 6 Claims. (Cl. 116—151.)



4. A signal bell comprising a support having a bore and provided with slots on opposite sides, a bell, a clapper pivotally carried by the support, links operative in said slots, one of said links being pivotally connected at one end with the clapper and another link pivotally connected at one end with the support, a member reciprocative within said bore and pivotally connected with adjacent ends of said links and means to actuate said member.

1,482,584. EXPANSIBLE SHOE LAST. CARL SCHEVITZ, Jacksonville, Fla. Filed Feb. 21, 1921. Serial No. 446,654. 8 Claims. (Cl. 12—128—3.)

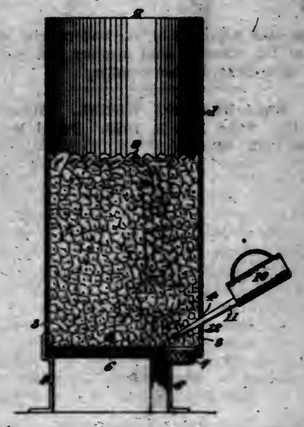


1. A shoe last of the class described comprising a main frame, a heel frame, a rack bar connected with the heel frame and slidably supported in the main frame, a ratchet plate engaging said rack bar, a lever pivotally supported on the main frame and connected with the heel frame, a handle for rocking the lever for moving the heel frame and means connecting the handle with the plate for lifting said plate out of engagement with the rack bar when the handle is manipulated to move the heel frame inwardly.

1,482,585. METHOD OF DECARBONIZING FERRO ALLOYS. HUGH C. SICARD, Niagara Falls, N. Y., assignor to United States Ferro Alloys Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 15, 1922. Serial No. 544,026. 4 Claims. (Cl. 74—45.)

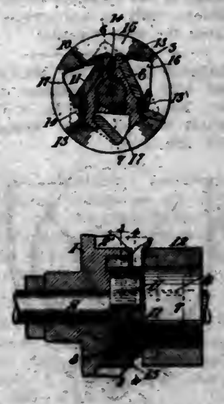
1. A method of decarbonizing ferro alloys by bessemerization comprising the addition to the usual materials charged into an electric furnace for the production of the desired ferro alloy a sufficient quantity of titaniferous ore to protect the metal in the alloy from oxidation during the smelting operation, then charging this mixture into an electric furnace of the arc type and smelting the charge, then pouring the molten metal into a converter and simultaneously adding lime to such molten metal, and then subjecting the molten metal to an air blast until the desired reduced carbon content is obtained.

1,482,586. ORCHARD HEATER. LEE B. SKINNER, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed Apr. 16, 1923. Serial No. 632,386. 2 Claims. (Cl. 126—59.5.)



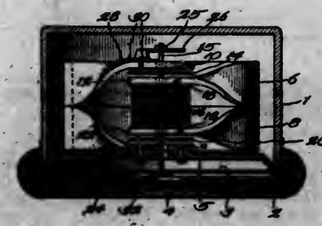
1. An orchard heater comprising a casing, provided in its side wall with a draft opening and a fire igniting orifice, and a fire supporting grate within the casing, and provided adjacent its peripheral edge with a liquid fuel receiving receptacle wholly within the casing.

1,482,587. SAFETY RING. HENRY L. SMITH, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed May 16, 1923. Serial No. 639,468. 2 Claims. (Cl. 192—71.)



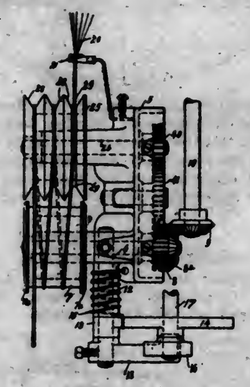
2. A clutch consisting of cooperating rotatably mounted drive and driven members, a clutch dog pivotally carried by one member, its free end adapted for swinging movement to engage the other member to cause said clutch members to rotate in unison, means movable over said clutch dog to engage the same to cause its disengagement from the other clutch member to permit the free rotation of one of said members relative to the other and a notched plate overlying the clutch dog and rotatably mounted therewith for precluding longitudinal movement of the clutch dog and permitting its free swinging movement into engaged and released position.

1,482,588. TELEPHONE RECEIVER. GEORGE M. STRATTON, Salt Lake City, Utah. Filed Sept. 12, 1922. Serial No. 587,701. 5 Claims. (Cl. 179—119.)



1. In a receiver for telephones and the like, a diaphragm, an electro magnetic coil having a movable core connected to the diaphragm for operating it, armatures secured to the core at opposite ends of the coil, and magnets having poles of opposite polarity on opposite sides of the armatures.

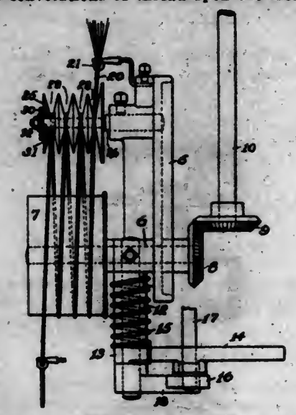
1,482,589. THREAD SPREADER FOR DOUBLING MACHINES. PACIFIC J. THOMAS, Pittston, Pa. Filed Mar. 25, 1922. Serial No. 546,675. 1 Claim. (Cl. 117—21.)



In a thread-spreading mechanism, the combination with a fixed guide and a smooth-surfaced cylindrical thread roll having end guard flanges, of an interposed parallel spreading roll having a series of V-shaped circular grooves adapted to widely spread the thread convolutions, roll driving means adapted to impart the same speed of rotation to the thread contacting surfaces of both the smooth-surfaced and grooved rolls, and means actuated by the breaking of a thread for automatically throwing said roll-driving means out of operation.

1,482,590. THREAD SPREADER FOR DOUBLING MACHINES. PACIFIC J. THOMAS, Pittston, Pa. Filed Jan. 31, 1922. Serial No. 532,970. 2 Claims. (Cl. 117—21.)

1. In a thread-spreading mechanism, the combination with a fixed thread-guide, a smooth-surfaced cylindrical roll, and driving means for said roll arranged to be automatically thrown out of operation by the breakage of a thread; of an interposed roller cooperatively mounted parallel with said smooth surfaced roll to positively spread successive convolutions of thread upon the latter, said interposed roller being provided with a series of deep V-shaped circular grooves whereby the diameter at the base of said grooves is greatly reduced relative to the diameter of said smooth-surfaced roll.

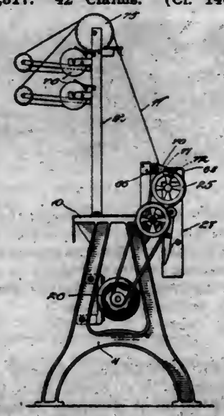


1,482,591. METHOD OF MAKING POLYSIDED COILS. CHESTER H. THORDARSON, Chicago, Ill. Filed Oct. 27, 1920. Serial No. 420,049. 6 Claims. (Cl. 140—92.2.)



1. The improvement in the method of producing polysided coils, by a winding operation, which embraces the step of preforming the wire exterior to the coil and independently of the winding to overcome subsequent unwinding of the coil.

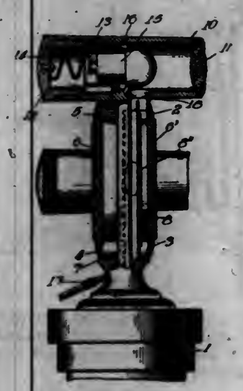
1,482,592. MACHINE FOR WINDING COILS. CHESTER H. THORDARSON, Chicago, Ill. Filed Nov. 20, 1920. Serial No. 425,317. 42 Claims. (Cl. 140—92.2.)



2. In a winding machine for polysided coils, a bobbin, means to support and rotate the bobbin, and laying-on means for the wire embracing a rotative guiding and a

rotative wire preforming member exterior to the coil and about both of which the wire is led to the coil, the latter nearest adjacent to the coil.

1,482,593. MOTOMETER. ANDREW C. WOOD, Chicago, Ill. Filed July 29, 1921. Serial No. 488,434. 8 Claims. (Cl. 240—2.)



1. In a device of the kind described and in combination, a motometer comprising a casing having a thermometer stem therein, a vertical partition substantially enclosing said stem and extending to one side thereof, said stem enclosing portion of the partition having an aperture therethrough, said casing having openings in the opposite faces thereof to receive covers therein, a housing at the upper end of said casing having an opening communicating with the interior of said casing, said housing being open at its ends, a lens arranged in one of the open ends of said housing, detachable closure means for the other ends of said housing, and a lamp removably positioned within said housing whereby said lamp may be illuminated so that the light therefrom is directed through said communicating openings into said casing compartments so as to illuminate said stem.

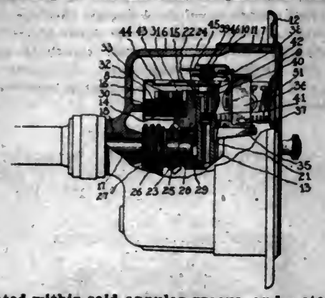
1,482,594. GRAIN-BUNDLE SHOCKER. HARRY BAXTER, Newman, Ill. Filed Nov. 29, 1920. Serial No. 427,221. 30 Claims. (Cl. 56—419.)



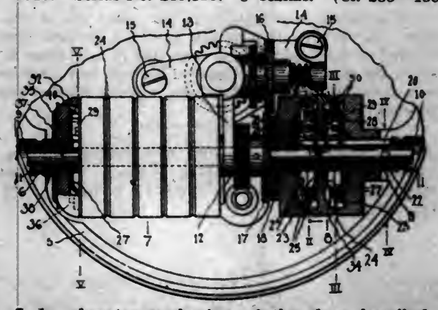
1. An automatic shocker, comprising the combination of a receptacle arranged to receive grain bundles from a binder, a shock-former for forming groups of bundles into a shock and depositing the formed shock on the ground, and means for intermittently pushing the bundles from said receptacle into said shock-former.

1,482,595. SPEEDOMETER. JOSEPH BERGE, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 14, 1919. Serial No. 289,822. 4 Claims. (Cl. 264—13.)

1. In a speedometer of the class described, a speed cup having an end wall, a peripherally extending annular side wall extending at right angles to said end wall, an annular groove formed in the material of said end wall, a stop lug located within said annular groove, and a stop member with which said stop lug engages.

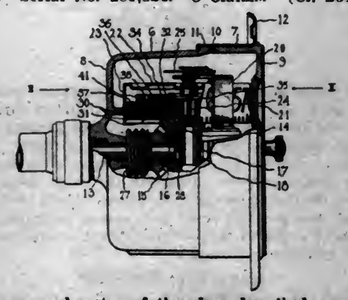


1,482,596. ODOMETER MECHANISM. JOSEPH BERGE, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 14, 1919. Serial No. 289,823. 8 Claims. (Cl. 255—139.)



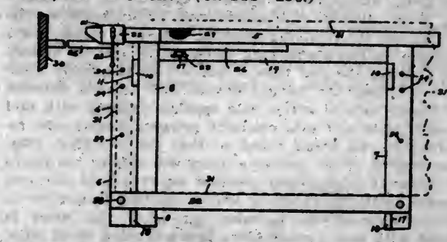
7. In odometer mechanism of the class described, a carry-on pinion supporting member having two walls spaced apart from one another, said walls having aligned openings to receive a shaft whereby said member is supported, and other aligned openings adapted to provide bearings for supporting the ends of a shaft of a carry-on pinion.

1,482,597. SPEEDOMETER. JOSEPH BERGE, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Apr. 14, 1919. Serial No. 289,824. 8 Claims. (Cl. 264—13.)



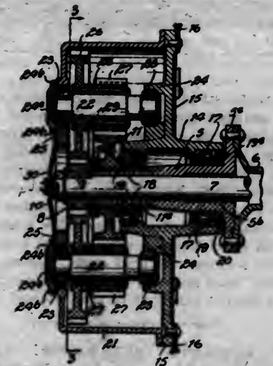
1. In a speedometer of the class described, a rotating armature having a plurality of teeth upon its periphery, and a thermostatically controlled compensating member carried by said armature and movable relative to the teeth thereof and adapted to vary the magnetic flux flowing therethrough; and a stationary magnet the poles of which are located adjacent the periphery of said armature.

1,482,598. CARPENTER'S TRESTLE. STEPHEN CONDON, Spencer, Iowa. Filed Feb. 27, 1922. Serial No. 539,615. 1 Claim. (Cl. 144—286.)



A trestle embodying a flat top, supporting legs on opposite sides thereof, means on one end portion of the top to hold against displacement an element resting thereon to be planed, a board positioned between the legs and resting against the under side of the top, and provided with a longitudinal slot, a bolt extended through the slot and into the top secure said board releasably to the top, whereby said board may be extended from the end of the top to engage an abutment to hold the trestle against movement in the direction of the abutment.

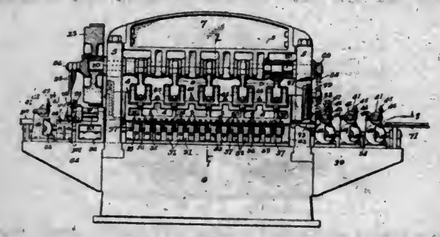
1,482,599. POWER-TRANSMITTING GEARING. GEORGE W. CURTIS, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 569,300. 4 Claims. (Cl. 74—7.)



1. In a motor vehicle, an axle housing, a traction wheel sleeved on said housing and adapted to receive journal bearings in the opposite ends of its hub portion, an axle shaft in said housing and projecting endwise therefrom, a pinion on the projecting end of said axle shaft, double planet gears journaled on said traction wheel for rotation therewith and on their own axes, and a sun gear on said axle housing, said double planet gears comprising a gear meshing with said axle shaft pinion and a gear meshing said sun gear outside of the hub portion of said traction wheel, the innermost hub bearing being mounted on the axle housing and the outermost hub bearing being mounted on an elongated hub portion of said sun gear.

1,482,600. METHOD OF AND MACHINE FOR PRODUCING EXPANDED-SHEET-METAL ARTICLES. LEWIS E. CURTIS, Warren, Ohio, assignor to Milwaukee Corrugating Company, Greenfield, Wis., a Corporation of Wisconsin. Filed Sept. 30, 1921. Serial No. 504,336. 15 Claims. (Cl. 164—6.5.)

1. The method of producing expanded sheet-metal articles which consists in advancing a sheet step by step lengthwise of slits aligned to be cut therein a distance of a plurality of slits to each step, and simultaneously after each successive advance movement of the sheet

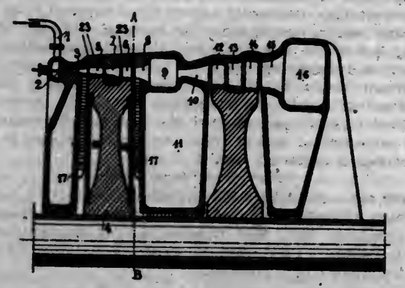


cutting a series of longitudinally aligned slits in each of a number of parallel series, the slits in each series alternating with those of adjacent series.

1,482,601. METHOD OF MAKING WATER-SOFTENING MATERIAL. SVEIN DAHL-RODE, Brooklyn, N. Y. Filed Feb. 9, 1923. Serial No. 618,120. 6 Claims. (Cl. 23—13.)

1. The method of making a water softening compound, which consists in mixing iron furnace slag in powdered form with caustic soda, then adding water and boiling the mixture to the consistency of a thick paste, then drying out the mixture, and treating the same with a boiling solution of sodium silicate.

1,482,602. STEAM TURBINE. MARCEL DE CONINCK, Le Havre, France. Filed Mar. 9, 1921. Serial No. 450,864. 2 Claims. (Cl. 253—69.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a steam turbine, the combination with a number of admission nozzles, of a bladed rotor, a partition having in it groups of diffusing blades, another set of directing nozzles, intermediary chambers between the said partition and the second set of directing nozzles and communicating with the said diffusing blades and with the said directing nozzles, and radial partitions between two adjacent chambers.

1,482,603. ELECTRIC-LAMP SOCKET. FREDERICK A. FAULHABER, Jr., East Orange, N. J. Filed June 7, 1922. Serial No. 566,479. 4 Claims. (Cl. 173—328.)

1. In a device of the kind described, a bayonet type tubular socket member having inwardly off set leg members projecting longitudinally from its inner end, said leg members being spaced apart and together forming a socket standard of substantially polygonal outline in cross section, a carrying plate of insulating material having a central opening for engaging the same over said socket standard for vertical movement toward and away from the lower end of said socket member, means for

connecting the lower ends of said leg members with a base, a compression spring intermediate said carrying plate and said base yieldably thrusting said carrying

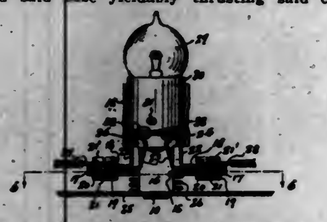
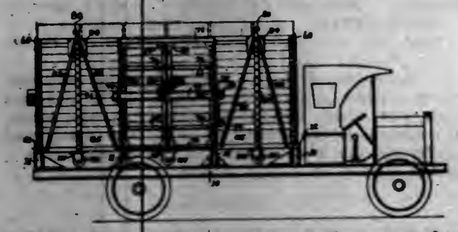


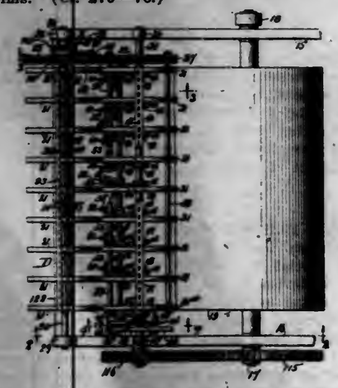
plate toward said socket member, and contact means supported on said base to engage the terminal means of a lamp inserted in said socket member.

1,482,604. REMOVABLE AUTOMOBILE BODY. BENJAMIN F. FITCH, Evanston, Ill. Filed June 28, 1920. Serial No. 392,337. 1 Claim. (Cl. 296—28.)



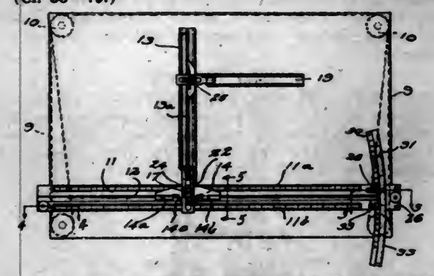
The combination with a container having a base, four side walls and a roof, of vertically extending straps having the lower ends thereof secured to the base, and having the intermediate portions thereof attached to the side walls, there being two of said straps on each side of the container, outwardly facing hooks integral with said straps and projecting above the eaves of said roof, plates attached to the side walls and disposed intermediate the walls and straps adjacent the top portions thereof, and inclined struts having the upper ends thereof rigidly connected to said plates and the lower ends thereof attached to said base, whereby the load may be supported at concentrated points from the hook members and be distributed uniformly over said base.

1,482,605. FOLDING MACHINE. EDWARD GUY GOBEN New Orleans, La., assignor to The E. V. Benjamin Company, Inc., New Orleans, La., a Corporation of Louisiana. Filed Dec. 8, 1919. Serial No. 343,390. 2 Claims. (Cl. 270—76.)



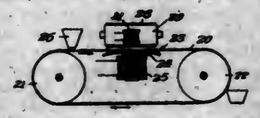
1. In a folding machine the combination of a rotating receiving drum for pieces of material, a rotating discharging drum with its periphery adjacent to the periphery of the receiving drum, stationary receiving gripping fingers extending from the periphery of the receiving drum, automatically operated grippers on the receiving drum spaced a predetermined circumferential distance from the receiving gripping fingers, a presser plate fastened to the discharging drum in an opening extending through the rim thereof and an automatically operated pinching bar having fingers and recesses between its fingers located within said opening coacting with said presser plate and said receiving gripping fingers, the rotations of the drums timed so that the receiving, gripping fingers of the receiving drum will deliver the pieces of material in a folded position between said bar and presser plate, the receiving fingers locating themselves in the recesses of the pinching bar when the latter is closed with said presser plate and a landing block adjacent to the discharging drum.

1,482,606. DRAFTING INSTRUMENT. ALBERT R. GOLDRICK, Cleveland, Ohio, assignor to The Dodd Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 22, 1921. Serial No. 509,581. 9 Claims. (Cl. 33—79.)



1. In a device of the character described, the combination of a drawing board, sheaves disposed adjacent the corners thereof, an endless taut cord running on the sheaves with parallel stretches on opposite sides of the board and adapted to move in a common direction, a grooved ruler blade having the ends thereof secured to said stretches, a pressed metal slide head having depending portions affording detachable engagement with said grooved ruler blade in said groove, a second grooved ruler blade secured to said head having a similarly formed slide head engaged in the groove thereof and a third ruler blade connected to said second slide head.

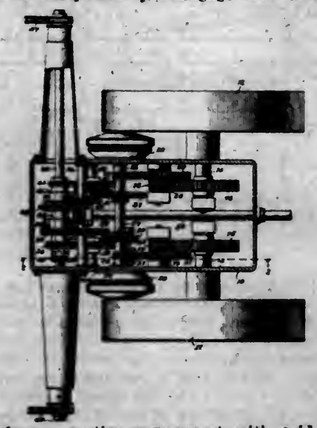
1,482,607. AGITATION SEPARATOR. ALEXANDER M. GOW, Duluth, Minn.; American Exchange National Bank of Duluth executor of said Alexander M. Gow, deceased. Filed Nov. 17, 1920. Serial No. 424,777. 7 Claims. (Cl. 83—71.)



1. Separation apparatus comprising a plate, means located adjacent one face of the plate adapted to produce a magnetic field, and means adapted to fluctuate the strength of the field, the variation in strength serving to vibrate the plate and a conveyer adapted to move in contact with the plate, the conveyer being adapted to carry the material to be separated.

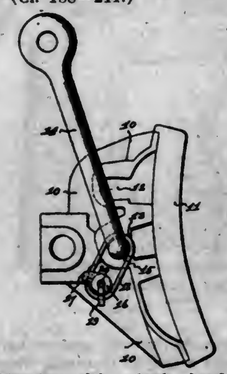
1,482,608. TRANSMISSION MECHANISM. CLARENCE M. HAMSHAW, Santa Clara, Calif. Filed Sept. 20, 1920. Serial No. 411,515. Renewed June 25, 1923. 2 Claims. (Cl. 180—17.)

2. A transmission mechanism comprising a casing; two independent driven shafts rotatably mounted in axial alignment within said casing; a system of change speed gears operatively disposed within said casing adapted to actuate said driven shafts; a train of reduction gears interposed between said system of change speed gears and each of said driven shafts; clutch mechanism interposed between said system of change speed gears and each of said trains of reduction gears adapted to independently disengage each of said driven



shafts from operative engagement with said system of change speed gears; a jack shaft rotatably mounted in said casing; a hollow sleeve shaft mounted for independent rotation on said jack shaft; means to selectively engage and disengage said hollow sleeve shaft with and from said jack shaft; gears on said hollow sleeve shaft adapted to mesh with and actuate said system of change speed gears; and propelling means for said hollow sleeve shaft.

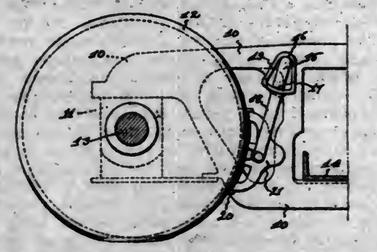
1,482,609. BRAKE HEAD. BRODERICK HASKELL, Franklin, Pa. Filed May 2, 1922. Serial No. 557,881. 11 Claims. (Cl. 188—211.)



5. The combination with a brake head provided with a transverse hanger receiving recess, a lug having a lip and fixed on said brake head, a U-shaped hanger having its lower connecting member insertible in said recess, a retaining member for said hanger interposed between said hanger and a side of said brake head and removably connected by said lip to the lug on said brake head.

1,482,610. BRAKE SUPPORT. BRODERICK HASKELL, Franklin, Pa. Filed Oct. 24, 1922. Serial No. 596,592. 5 Claims. (Cl. 188—209.)

3. A car truck comprising side frames having inner walls and a lug of elongated cross-section extending from the inner side of each of said side frames, an oscillating brake hanger having an upper end with an elongated opening and adjacent to the inner wall of each of said side frames and supported from said lug



by said elongated opening, and a brake hanger having its ends connected to the other or free ends of said oscillating brake hangers.

1,482,611. THIN, MOUNTED, SENSITIZED EMULSION. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed July 25, 1919. Serial No. 313,239. 4 Claims. (Cl. 95—8.)

1. A carrier having a sensitized emulsion thereon which is so thin that when exposed to light of greatly varying photographic intensity, the portions of emulsion affected by the deepest light penetration will not lie so far from the portions affected by the shallowest light penetration, as to cause perceptible contrasting effects between said portions.

1,482,612. POTASSIUM-BICHROMATE PROCESS OF PHOTOGRAPHIC REPRODUCTION. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed Oct. 2, 1919. Serial No. 327,889. 7 Claims. (Cl. 95—5.4.)

1. The process of forming a photographic record of lights and shades capable of use as a transfer printing plate, which comprises developing an exposed photographic emulsion with a non-emulsion hardening solution and then treating portions of emulsion adjacent the light affected sensitive content of the emulsion with an agent adapted to harden said emulsion by reaction with the light affected sensitive content of the emulsion, and with a neutralizing agent for said hardening agent, the relative proportions of said hardening and neutralizing agents being such as to control selectively the effective area of influence of the hardening agent but to an extent less than the complete neutralization of said hardening agent.

1,482,613. POTASSIUM IODIDE COMPOSITION OF MATTER FOR PHOTOGRAPHIC PROCESSES. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed Oct. 2, 1919. Serial No. 327,891. 7 Claims. (Cl. 95—88.)

1. A developing and hardening composition containing a hardening substance and an agent adapted partially to neutralize said hardening substance comprising potassium iodid, in such an effective amount as to permit only a selective area of hardening.

1,482,614. COMPOSITION OF MATTER FOR PHOTOGRAPHIC PROCESSES. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Original application filed May 6, 1916, Serial No. 95,957. Divided and this application filed July 25, 1919. Serial No. 313,238. 10 Claims. (Cl. 95—88.)

1. A developing and hardening composition of matter containing an emulsion hardening and silver salt developing substance and a substance partially but not entirely neutralizing the emulsion hardening effect of said developing and hardening substance in such amount as to permit only a selective area of hardening.

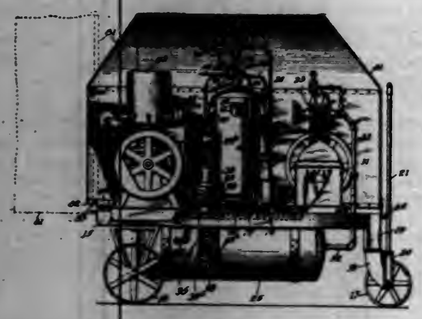
1,482,615. PROCESS OF PHOTOGRAPHIC REPRODUCTION DIRECTLY FROM A NEGATIVE. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed Oct. 2, 1919. Serial No. 327,890. 6 Claims. (Cl. 95—5.4.)

1. The process of forming a photographic record of lights and shades capable of use as a transfer printing plate, which comprises developing an exposed photographic emulsion with a non-emulsion-hardening solution, exposing it to an actinic light, and then hardening portions of emulsion adjacent the light affected sensitive content of the emulsion with an agent adapted to harden said emulsion by reaction with the light affected sensitive content of the emulsion, and with a neutralizing agent for said hardening agent, the relative proportions of said hardening and neutralizing agents being such as to control selectively the effective area of influence of the hardening agent but to an extent less than the complete neutralization of said hardening agent.

1,482,616. DOUBLE PROCESS OF PHOTOGRAPHIC REPRODUCTION. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed Nov. 10, 1919. Serial No. 336,896. 11 Claims. (Cl. 95—5.4.)

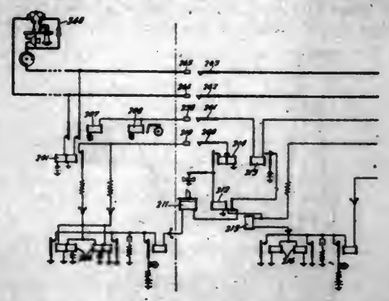
1. The process of forming a photographic record of lights and shades capable of use as a transfer printing plate, which comprises devloping an exposed photographic emulsion with a non-emulsion-hardening solution, fixing the undeveloped light sensitive content, converting the developed image so that it again becomes light sensitive, exposing it to an actinic light, and then hardening portions of emulsion adjacent the light affected sensitive content of the emulsion with an agent adapted to harden said emulsion by reaction with the light affected sensitive content of the emulsion, and with a neutralizing agent for said hardening agent, the relative proportions of said hardening and neutralizing agents being such as to control selectively the effective area of influence of the hardening agent but to an extent less than the complete neutralization of said hardening agent.

1,482,617. PNEUMATIC COATING APPARATUS. JENS A. PAASCHE, Chicago, Ill. Filed Nov. 27, 1918. Serial No. 264,298. 21 Claims. (Cl. 91—45.)



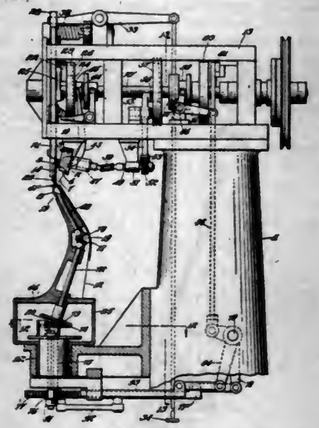
1. A portable pneumatic painting apparatus comprising a wheeled truck, a driving motor and an air compressor mounted respectively on opposite ends of said truck and having a driving connection, an upright paint tank mounted on the truck between said motor and said compressor, a horizontally positioned air compression tank mounted on the truck in a plane beneath said motor, compressor, and paint tank, conduits connecting said air compression tank to said compressor and to said paint tank, and a pneumatic paint brush having suitable connections with said paint tank and with the compressed air supply.

1,482,618. TELEPHONE-EXCHANGE SYSTEM. LEPA POLINKOWSKY, New York, N. Y., and WILLIAM H. MATTHIES, Hackensack, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 14, 1919. Serial No. 304,212. 27 Claims. (Cl. 179—18.)



22. In a telephone system, an automatic switch for establishing telephone connections, a set of registers, a second set of registers, means for setting said first registers, means operated under the control of said first registers in accordance with the setting thereof for controlling said automatic switch, and means under the control of said first registers for setting said second registers in correspondence with the setting of said first registers.

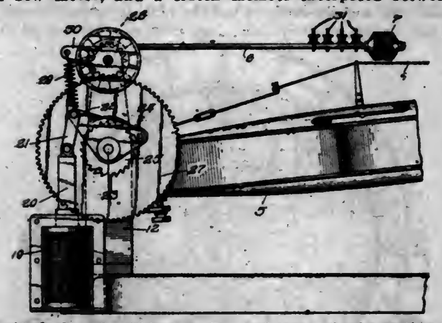
1,482,619. SHOE-SEWING MACHINE. JAMES H. REED, Swampscott, Mass., assignor to A. E. Little Company, Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 22, 1921. Serial No. 439,255. 9 Claims. (Cl. 112—36.)



1. A lock stitch shoe sewing machine having a straight barbed needle and a shuttle to supply the shuttle thread located on one side of the work, and on the other side thereof a horn pierced at its end for the passage of the needle, and a thread-feeding looper to lay the cop thread in the barb of the needle, said horn being revoluble and said looper being mounted to oscillate therein.

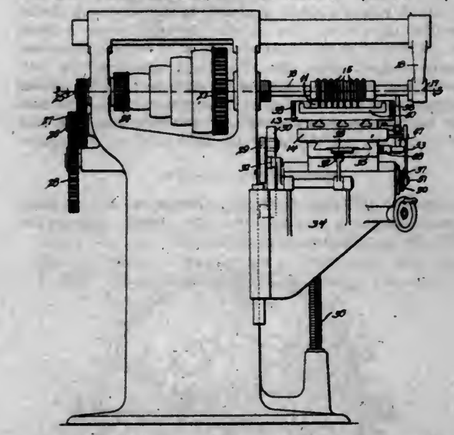
1,482,620. BOWING MECHANISM FOR SELF-PLAYING STRINGED INSTRUMENTS. HENRY K. SANDELL, Evanston, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 9, 1922. Serial No. 580,665. 3 Claims. (Cl. 84—11.)

1. In self-playing stringed instruments, sounder members for the strings, means for imparting movement to said sounder members, said means including a rotatable shaft, a bow motor, and a clutch member interposed between



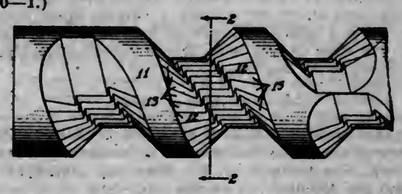
said shaft and said bow motor, and means for imparting to said shaft accelerated movement independently of said bow motor.

1,482,621. SCREW AND GEAR MAKING MACHINE. HENRY J. SCHMICK, Williamsport, Pa. Filed Dec. 31, 1921. Serial No. 526,327. 21 Claims. (Cl. 90—4.)



1. A machine for forming circumferential grooves comprising a cutter support and cutter carried thereby, a table support adjustable vertically and laterally beneath said cutter, a table slidable lengthwise on said table support and means for reciprocating said table, a work support mounted on said table and having means for clamping the work, said clamping means being adjustable lengthwise of said work support, and means for rotating said clamping means in synchronism with its lengthwise movement for feeding the work to the cutter.

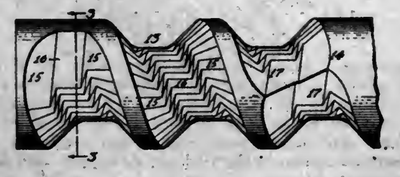
1,482,622. GEARING AND METHOD OF MAKING THE SAME. HENRY J. SCHMICK, Williamsport, Pa. Filed Jan. 20, 1922. Serial No. 530,631. 16 Claims. (Cl. 90—1.)



1. A twisted gear tooth having its side walls making a constant angle from top to bottom with reference to the axis of the gear other than the angle of lead.

5. The method of producing twisted gears by successive cuts transverse to the axis comprising rolling the blank between cuts to displace it bodily in a direction at an angle to the direction of the cut.

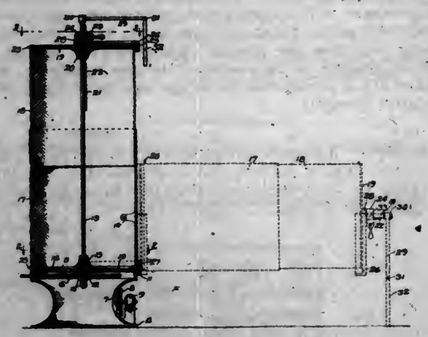
1,482,623. MECHANICAL ELEMENT AND METHOD OF MAKING THE SAME. HENRY J. SCHMICK, Williamsport, Pa. Filed Mar. 11, 1922. Serial No. 542,955. 13 Claims. (Cl. 90—1.)



1. The process of generating mechanical elements having a peripheral groove formed by a series of cuts extending around the axis to one hand, each cut making an angle to the other hand with the axis, which comprises alternately rolling the blank and shifting it endwise between successive cuts in the direction of lead.

5. A mechanical element comprising a groove extending to one hand consisting of a series of cuts transverse to the axis and inclining to the opposite hand from the direction of said groove.

1,482,624. DRYING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Oct. 21, 1922. Serial No. 595,952. 16 Claims. (Cl. 34—17.)

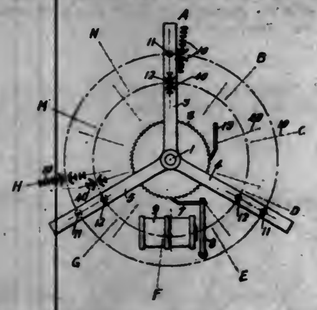


6. A drier comprising a base having an air passage therethrough; a spider attached to the base and disposed across said air passage; a shaft journaled in said spider; two telescoping tubes disposed around said shaft; a spider fixed on said shaft and attached to one end of one of said tubes; a disc splined on said shaft and attached to an end of the other tube; and means for adjusting the last-mentioned tube on the shaft with respect to the first-mentioned tube.

1,482,625. DISTRIBUTING SWITCH. GEORGE THOMPSON, Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 4, 1919. Serial No. 321,651. 3 Claims. (Cl. 179—27.5.)

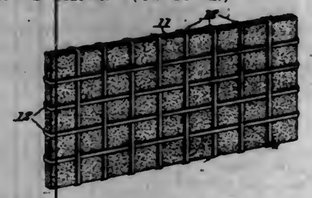
3. In an automatic switch, a plurality of main circuit closers, a plurality of auxiliary circuit closers, means to alternately operate said main circuit closers, and said auxiliary closers, said means including a plurality of

operating members in fixed relation to one another, certain ones of said operating members being arranged to



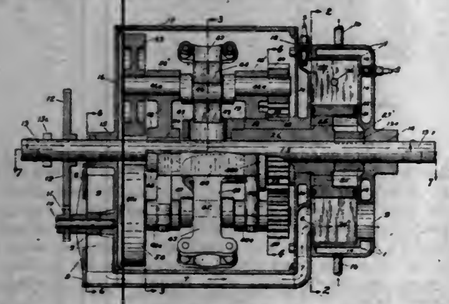
operate said main circuit closers and others of said operating members being arranged to operate said auxiliary circuit closers.

1,482,626. DESICCATING APPARATUS. JASPER WHITING, Boston, Mass. Filed Sept. 14, 1922. Serial No. 588,293. 2 Claims. (Cl. 34—1.)



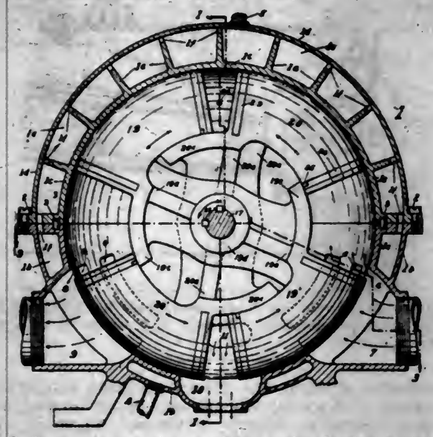
1. A desiccating unit comprising a porous body and a hygroscopic salt disseminated throughout the porous body and partly filling the pore space, the arrangement being such that the amount of salt and the amount of water adapted to be contained in the remaining pore space are in equilibrium in an atmosphere of about 60% relative humidity.

1,482,627. ROTARY INTERNAL-COMBUSTION ENGINE. FRANK A. BULLINGTON, Kansas City, Mo. Filed June 17, 1918, Serial No. 240,443. Renewed Apr. 30, 1923. 17 Claims. (Cl. 123—11.)



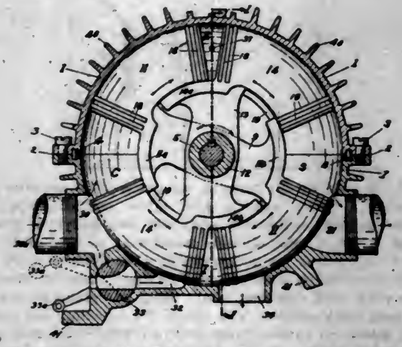
1. In a rotary combustion engine, a cylinder casing, a main shaft therein, pistons therein secured to said main shaft, pistons therein provided with a sleeve upon said shaft, and operating connections between said shaft and said sleeve comprising a lever connected with said shaft, a lever connected with said sleeve, a crank shaft carried by the former lever and operatively connected with the latter lever by means of a sliding member, a crank shaft gear and a fixed gear operatively connected, whereby to cause relative rotative movements of said sleeve and said shaft.

1,482,628. ROTARY ENGINE. FRANK A. BULLINGTON, Portland, Oreg. Filed Feb. 24, 1919. Serial No. 278,880. 2 Claims. (Cl. 123—11.)



2. In a rotary engine, a piston casing having a piston chamber therein of semi-circular form in cross section, and reinforced on its outer surface with radially disposed, crescent-shaped ribs, the ribs being progressively narrower from the center toward the ends so that the widest portion is in the middle, and an outer shell over said ribs to form a cooling chamber between the ribs, the piston casing and the outer shell.

1,482,629. ROTARY ENGINE. FRANK A. BULLINGTON, Portland, Oreg. Filed Oct. 20, 1919. Serial No. 332,858. 4 Claims. (Cl. 123—11.)

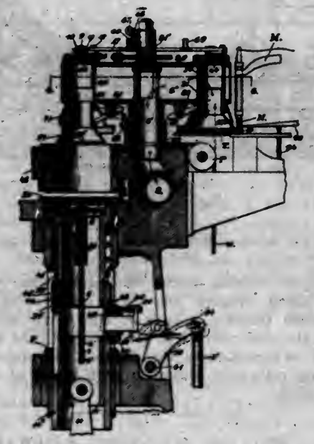


2. In a rotary engine, a piston casing having a main inlet and an auxiliary inlet at a space apart, valve controlled means for connecting said auxiliary inlet with said main inlet or with the atmosphere at will, pistons mounted to rotate in said casing, one after the other, and adapted to form chambers therebetween within said casing, and means for causing a varying speed of rotation of said pistons relative to each other, whereby to vary the sizes of said chambers for functioning purposes, substantially as described.

1,482,630. MACHINE FOR MAKING POWDER PUFFS. ALDO CURIONI, New York, N. Y., assignor to Maurice Levy, New Rochelle, N. Y. Filed Apr. 20, 1921. Serial No. 463,018. 12 Claims. (Cl. 112—2.)

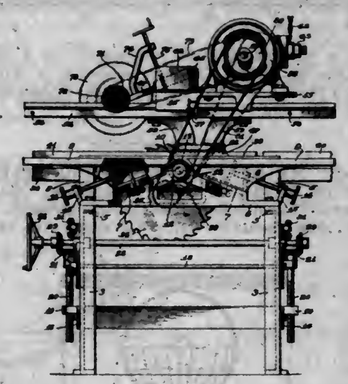
1. In a machine for sewing powder puffs, the combination with a sewing mechanism adapted to produce a chain stitch, of revoluble means adapted to hold two

superposed discs of fabric adjacent the presser foot and feeding mechanism of the said sewing machine whereby the actuation of said sewing machine causes said discs to be revolved together with said revoluble means and to



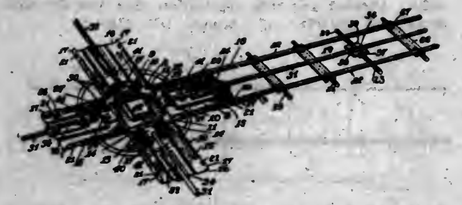
be stitched together along a circular line, the said revoluble means being movable to carry the discs towards and away from said needle after the stitching has been completed, to draw out the thread.

1,482,631. WOODWORKING MACHINE. LOUIS DE LINIERES, Detroit, Mich., assignor, by mesne assignments, to The Woodworker Manufacturing Co. Inc., Detroit, Mich., a Corporation of Michigan. Filed Nov. 8, 1920. Serial No. 422,631. 7 Claims. (Cl. 144—3.)



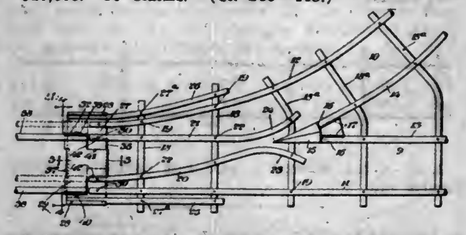
1. A wood-working machine comprising an adjustable saw table, an adjustable planer table, a saw for said saw table, a cutter for said planer table, shafts supporting said saw and cutter, pulleys on said shafts and in a common vertical plane, a third tool shaft mounted independently of said saw and cutter shafts and having a pulley thereon, a power transmission member adapted to be engaged around and to impart movement to either or both pulleys upon said saw and cutter shafts and also adapted to be interchangeably engaged around the pulley on said third tool shaft and means for maintaining the proper tension of said transmission member in any of the three arrangements.

1,482,632. TOY RAILWAY CROSSOVER. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Feb. 3, 1923. Serial No. 616,647. 32 Claims. (Cl. 246—465.)



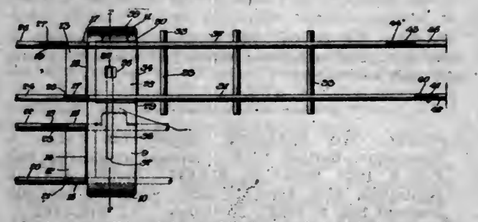
1. A toy cross-over for a toy railway comprising a piece of sheet metal bent or stamped up to form a pair of traction rail portions extending in alinement and spaced in accordance with the gage of the railway.

1,482,633. TOY RAILWAY SWITCH. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Feb. 8, 1923. Serial No. 617,688. 36 Claims. (Cl. 246—445.)



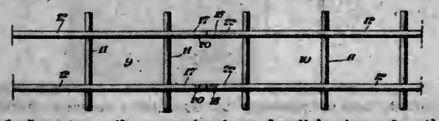
3. The combination in a toy railway of a pair of sections adapted to be held end to end, one thereof having switching rails, said sections having a guiding connection therebetween and including means for shifting one of said sections relatively to the other.

1,482,634. TOY SWITCH. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Mar. 19, 1923. Serial No. 625,990. 40 Claims. (Cl. 246—445)



3. A reversible right and left handed switch comprising switch means having two pairs of companion rails, one pair of companion rails located entirely at one side of the other pair, and switch means adapted to be connected to a pair of companion rails, one of said switch means being shiftable relatively to the other to bring a pair of rails of one switch means into alignment with a pair of rails of the other switch means.

1,482,635. TOY RAILWAY. ALAN R. FERGUSSON, Buffalo, N. Y. Original application filed July 22, 1922, Serial No. 576,656. Patent No. 1,457,771, dated June 5, 1923. Divided and this application filed Apr. 5, 1923. Serial No. 629,960. 21 Claims. (Cl. 238—132.)



1. In a toy railway a wire formed rail having a lengthwise extending concaved face.

1,482,636. TOY RAILWAY. ALAN R. FERGUSSON, Buffalo, N. Y. Original application filed July 22, 1922, Serial No. 576,656. Patent No. 1,457,771, dated June 5, 1923. Divided and this application filed Apr. 5, 1923. Serial No. 629,961. 17 Claims. (Cl. 238—10.)



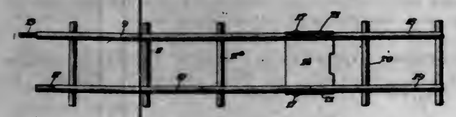
3. In a toy railway, the combination of a pair of wire formed rails located end to end, said rails having cooperating overlapping portions forming a tension joint.

1,482,637. TOY RAILWAY. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Apr. 17, 1923. Serial No. 632,600. 34 Claims. (Cl. 238—10.)



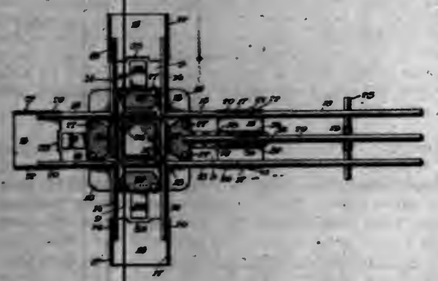
1. In a toy railway a wire rail having a resilient tubular end.

1,482,638. TOY RAILWAY. ALAN R. FERGUSSON, Buffalo, N. Y. Filed Apr. 17, 1923. Serial No. 632,601. 26 Claims. (Cl. 238—10.)



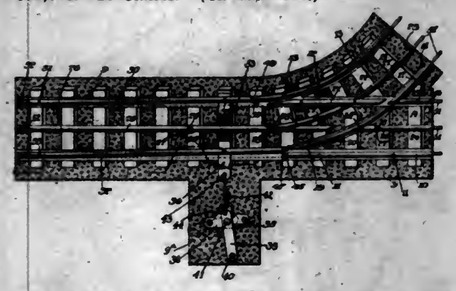
3. In a toy railway the combination of a pair of wire rails, and detachable means for releasably joining said rails end to end.

1,482,639. TOY RAILWAY CROSSOVER. ALAN R. FERGUSSON, Buffalo, N. Y. Original application filed Feb. 3, 1923, Serial No. 616,647. Divided and this application filed Apr. 17, 1923, Serial No. 632,602. Renewed Dec. 5, 1923. 27 Claims. (Cl. 246—462.)



5. In a toy railway, the combination of a supporting member, and a plurality of wire rails secured thereto and forming oppositely located frog points, said member having bent up tail portions.

1,482,640. SWITCH MECHANISM FOR TOY RAILWAYS. ALAN R. FERGUSSON and CONSTANCE T. FERGUSSON, Buffalo, N. Y. Filed Apr. 17, 1923. Serial No. 632,610. 20 Claims. (Cl. 246—412.)



1. In a toy railway switch the combination of a composition board support, two pairs of converging wire rails secured thereto, a pair of wire rails secured adjacent to the ends thereof to said support, and means including a swinging lever for shifting the opposite ends of said last rails into alinement with either of said first pairs of rails.

1,482,641. TOY OR MINIATURE RAILWAY. CONSTANCE T. FERGUSSON and ALAN R. FERGUSSON, Buffalo, N. Y. Filed June 6, 1922. Serial No. 566,375. 28 Claims. (Cl. 238—6.)



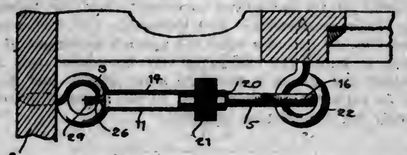
1. In a toy railway, the combination of a pair of knockdown continuous platform supports, a wire rail connected to each support, and means for releasably holding said rails end to end.

1,482,642. MEANS FOR PREVENTING SELF-IGNITION OF AIRSHIPS AND THE LIKE. GOTTLIEB DINKELA, Charlottenburg, near Berlin, Germany. Filed Jan. 5, 1922. Serial No. 527,167. 1 Claim. (Cl. 244—3.)



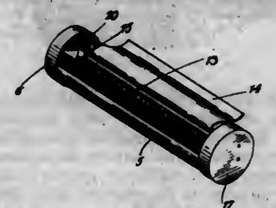
In means for preventing self-ignition of airships the combination of an electrically conducting net-work arranged in the lower part of the gas-containers and adapted to accumulate the electricity transmitted by the water drops formed by the condensation of the moisture of the filling medium of the airship, a system of points arranged on the external surfaces of the envelope and adapted to radiate the electricity into the space and means adapted to electrically connect the said net-work in the gas containers with the said system of points.

1,482,643. DOOR HOOK. HARRY C. ETHERIDGE, Waco, Tex. Filed Sept. 5, 1922. Serial No. 586,364. 3 Claims. (Cl. 292—96.)



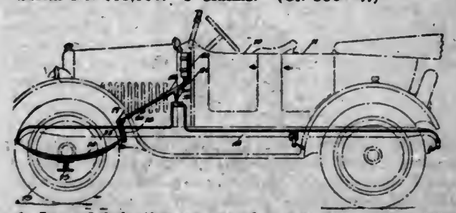
1. A device of the class described comprising a housing provided at one end portion with attaching means, the opposite end being provided with an opening and the opposed walls of the housing adjacent to said opening being provided with cut out portions, a nut extending through the housing and said cut out portions, a hook member disposed within the housing through the opening in an end thereof and upon which the nut is threaded, rotation of the nut extending or retracting the hook member with respect to the housing, and means carried by the inserted end portion of the hook member for limiting the outward movement of the hook.

1,482,644. CIGARETTE-ROLLING APPARATUS. PETER J. GALLAGHER, Jersey City, N. J. Filed Jan. 4, 1922. Serial No. 526,947. 1 Claim. (Cl. 13—5.)



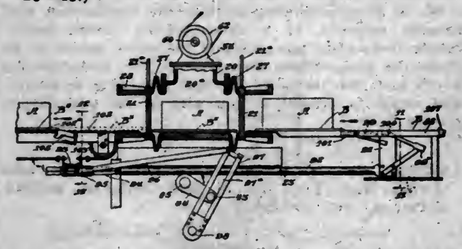
A cigarette former comprising an elongated receiver closed at one end, a support and a trough-shaped tobacco receiving member mounted thereon within the receiver, said member being also secured to the closed end of the receiver, a rotatable cap mounted on the opposite end of the receiver, a pair of resilient cigarette paper gripping strips pivotally mounted and attached to the rotatable cap whereby upon the rotation of the same in the tobacco receiving member, the tobacco will be rolled and confined in the cigarette paper.

1,482,645. LUBRICATING SYSTEM. PALEMON HILSMAN GASKINS, Jacksonville, Fla. Filed Nov. 24, 1922. Serial No. 603,050. 5 Claims. (Cl. 184—7.)



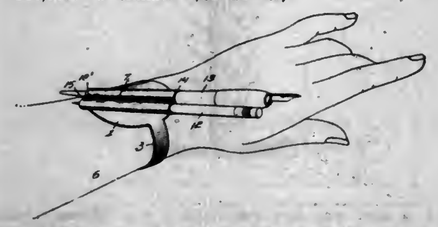
1. In a lubricating system for use with automobiles having a spring mounted for flexure, a reservoir for the lubricant positioned above the points to be lubricated, a valve casing communicating with the reservoir, a discharge head communicating with the valve casing, and conveying devices leading from the discharge head to the points to be lubricated, a spring seated ball valve mounted in the valve casing and controlling the flow of lubricant, and means for opening said ball valve including a steel wire connected at one end to the spring and engageable at its opposite end with the ball valve, and an elongated tubular casing enclosing the steel wire and supported upon the valve casing.

1,482,646. MACHINE FOR MAKING TERRA-COTTA BLOCKS. MAJOR E. GATES, Terra Cotta, Ill. Filed July 6, 1920. Serial No. 394,177. 17 Claims. (Cl. 25—45.)



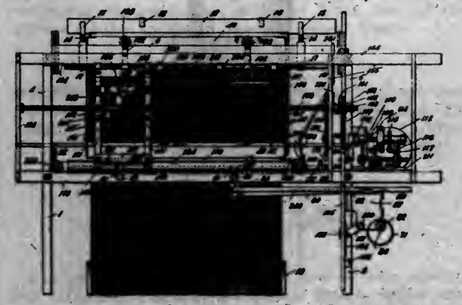
5. A machine for pressing plastic material into molds comprising a chamber having openings at opposite sides thereof, doors movable to close said openings, a valve for admitting a combustible mixture to said chamber, means for igniting said mixture after said doors and valve are closed, means for inserting molds into the chamber thru one of said openings and means for withdrawing molds from the chamber thru the other openings.

1,482,647. PENCIL HOLDER. ALLISON D. GISH, Coffeyville, Kans. Filed Aug. 8, 1922. Serial No. 580,555. 3 Claims. (Cl. 24—3.)



1. A holder for the purpose set forth comprising a flexible body having formed integral therewith a pair of oppositely extending flexible attaching elements, and a holding element formed of flexible material secured to and extending across the upper face of said body and providing lengthwise extending pockets disposed diagonally with respect to the upper face of said body, the width of said holding element being less than the width of said body and the length of said holding element being such as to extend entirely across said body.

1,482,648. TEXTILE MACHINE. EDGAR F. HATHAWAY and CHARLES IÆA, Dorchester, Mass., assignors, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 24, 1914, Serial No. 834,238. Renewed Mar. 17, 1922. Serial No. 544,954. 96 Claims. (Cl. 8—44.)

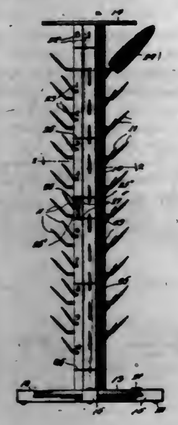


1. In a harness designating machine, the combination with supports for a plurality of harnesses, means for giving said supports each a combined lifting and sub-

stantial endwise movement, pattern controlled means for selectively actuating said moving means, a needle, and means for causing relative movement between the needle and the harnesses transverse the harness support.

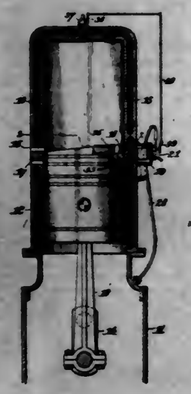
66. In a warp drawing machine the combination with harness supports, of a thread-placing device, power-driven mechanism for actuating the same, means to initiate the power-driven movement of the thread-placing device and stop the same for each threading movement and means to present a drop wire to the said thread-placing device.

1,482,649. SEED-CORN RACK. ESTHER HAYDEN, East Jordan, Mich. Filed May 18, 1922. Serial No. 561,944. 3 Claims. (Cl. 34—26.)



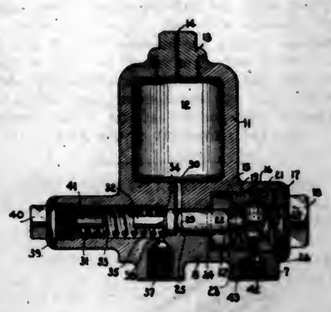
1. A seed corn rack comprising a post having extending outwardly and upwardly therefrom a plurality of impaling points and disks rigidly and permanently secured to the opposite ends of the post having diameters greater than the diametrical extent of the impaling points.

1,482,650. INTERNAL-COMBUSTION ENGINE. JOHN IRA CECIL HEBB, Bridgewater, Nova Scotia, Canada. Filed Sept. 11, 1920. Serial No. 409,535. 1 Claim. (Cl. 123—80.)



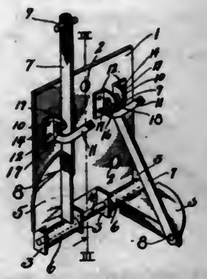
A two-cycle internal combustion engine including a cylinder, a fuel device including a reservoir, and mechanism including a piston for creating the compression of air adjacent the reservoir to feed a charge of fuel from the device into said cylinder on the downward stroke of the piston substantially at the time the piston reaches the limit of its downward movement; and for transferring the compressed air and increasing the compression thereof in the cylinder upon the upward movement of the piston to ignite the charge of fuel introduced into said cylinder and means operable to shut off the fuel device and to release the compression in the cylinder simultaneously for the purpose specified.

1,482,651. AUTOMATIC AIR-CYLINDER PUMP OILER. AUGUST KIRCHHOFER, Nashville, Tenn. Filed Dec. 17, 1921. Serial No. 523,144. 8 Claims. (Cl. 303—10.)



1. In a device for lubricating the compression cylinders of an air brake system of a locomotive, an oil reservoir, a measuring chamber in communication with the reservoir, means in the chamber for measuring a predetermined quantity of oil fed by gravity from the reservoir, means adapted to be operated when the air brake is applied to cause the measuring means to deliver a measured quantity of oil to the compression cylinders upon the suction stroke of the pistons in the compression cylinders, and means for connecting the last-mentioned means with the air brake cylinder pipe of the system.

1,482,652. CLOSURE LATCH. FRANK J. KLEPPER, Earling, Iowa. Filed Mar. 22, 1923. Serial No. 626,775. 3 Claims. (Cl. 292—54.)



1. The combination with independently movable latch ears in spaced relation, of a supporting link for said ears engaging a cam surface at its free end, the cam surface guiding the link into a locked position.

1,482,653. GRIPPING DEVICE. WILLIAM E. LILLY, Lillybrook, W. Va. Filed Jan. 16, 1923. Serial No. 612,990. 4 Claims. (Cl. 294—20.)

1. A gripping device comprising a pole, pivoted jaws at the outer end of the pole, a helical spring surrounding the jaws at their inner ends for holding the same closed, a cross bar positioned to enter between the inner ends of the jaws and to engage the spring for compressing the same to permit opening of the jaws, and means for operating said cross bar.



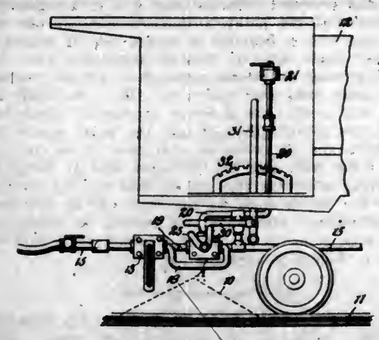
1,482,654. CIGARETTE HOLDER. PATRICK J. MCGILLICUDDY, Denver, Colo. Filed Sept. 30, 1922. Serial No. 591,605. 4 Claims. (Cl. 131—51.)



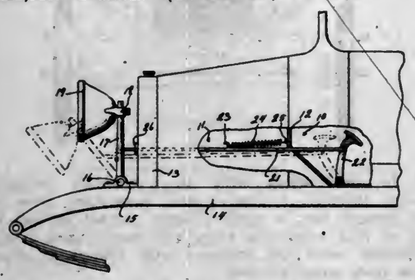
1. In combination, a tubular support, a curved lever pivoted at one end of said support, a stem slidably mounted in said support and having a curved end corresponding to that of the lever, a pivotal and slidable connection between said lever and stem, and a push button on the other end of the stem, movement of the stem causing pivotal movement of the lever.

1,482,655. AUTOMATIC TRAIN-CONTROL MECHANISM. ROBERT L. MILLER, Spokane, Wash., assignor to Otis Automatic Train Control, Inc., Spokane, Wash., a Corporation of Washington. Filed June 26, 1922. Serial No. 570,960. 3 Claims. (Cl. 246—190.)

2. In automatic train control apparatus, the combination with a locomotive having a reverse bar for controlling its forward and backward movements, of fluid pressure controlled brake operating mechanism associated with said locomotive and including a pair of ramp engageable devices located one to either side thereof and independently operable at predetermined times to cause an automatic application of its brakes, said brake mechanism including an engineer's valve, a rotatable valve effective to establish communication between either of said devices and said engineer's valve and simultaneously cut off such communication with the other device, said rotatable valve being connected with an operable by said reverse bar, the connection between said rotatable valve and said reverse bar being such that in all operative positions of the latter one of said devices is in communication with and the other cut off from the engineer's valve.

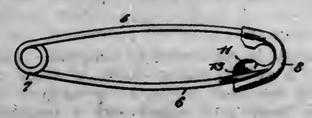


1,482,656. TILTING HEADLIGHT. WILLIAM MOORE, Michigamme, Mich. Filed Jan. 8, 1923. Serial No. 611,340. 1 Claim. (Cl. 240—61.)



In combination with a vehicle embodying a cockpit and a dash, a transversely disposed shaft arranged at the forward end of the vehicle for rotation, substantially vertical supports rigid to the shaft and adapted for the reception of headlights, an arm associated with the shaft, a reach rod connected at one end to said arm and having its rear end extending through said dash and into said cockpit, a pivoted foot lever within the cockpit and with which the rear end of the reach rod is pivotally connected, means normally urging the reach rod rearwardly comprising a spring secured at one end to the front wall of the cockpit and having its opposite end secured to a hook carried by said rod, and an adjustable stop member upon said reach rod and normally maintained in engagement with the front face of the radiator of the vehicle by the last named means.

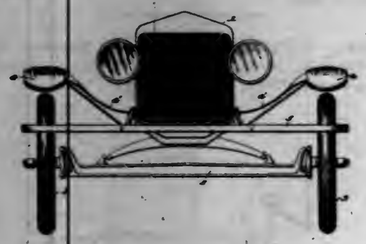
1,482,657. SAFETY PIN. GIOVANNI OCCHIPINTI and ATTILIO BIANCHI, New York, N. Y. Filed Oct. 16, 1920. Serial No. 417,290. 1 Claim. (Cl. 24—156.)



A safety pin comprising a single piece of wire bent in oval formation and provided with a branch and a connected point, the latter movable with relation to the former and having its free end formed with a perforation, the branch having its free end curved and

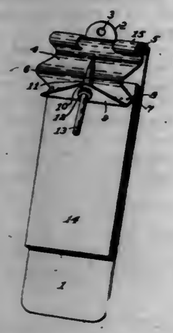
provided with a lug having flared sides terminating at the same positions at their joinder with said end, and a guard member secured to said curved part of the branch and provided with an open side to accommodate adjustments of the point, a guide located at one side of the lug, and a deflector arranged out of alignment with said guide and in vertical alignment with said lug and serving on lateral adjustment of the free end of the point into said guard to deflect the said end toward said guide, the deflector serving to operatively position the point with said lug, the guide spaced laterally from the lug whereby alignment of the perforation is made with said lug, the open side of the guard terminating below the free end of said lug, the termination of the flared sides of the said lug at the same point of joinder with said end serving to permit the eye of said point to be freely removed from said lug when it is desired to open the pin.

1,482,658. COMBINED BUMPER AND FENDER BRACE. FRANK A. OLCOTT, Columbus, Nebr. Filed Sept. 27, 1923. Serial No. 665,128. 5 Claims. (Cl. 293—55.)



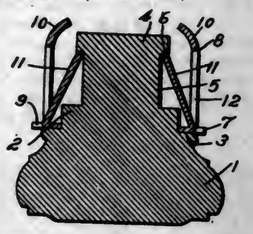
1. In combination with an automobile including fenders therefor, a bumper bar, supporting arms for said bumper bar, a separate brace carried by and for each of said supporting arms, and means fixed to said supporting arms and engaging said fenders at points below their upper surfaces.

1,482,659. TABLET HOLDER. EDITH OSWALD, Independence, Iowa. Filed June 30, 1923. Serial No. 648,746. 3 Claims. (Cl. 24—66.)



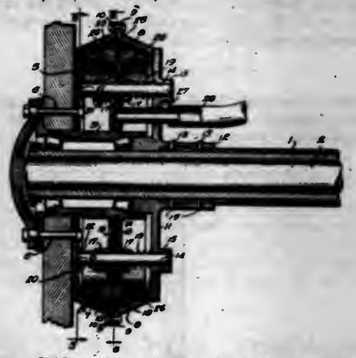
1. A device of the character described, comprising a base-plate, a clamping-plate positioned upon the upper part of the base-plate, having a top marginal scroll and having its lower part shaped with a transverse ridge abutting upon the adjacent face of the base-plate, resilient securing means clamping said scroll upon said base-plate, and means upon the lower part of said clamping-plate for receiving and holding releasably a writing implement.

1,482,660. GLASS CASTER. CHARLES G. OVERMYER, Hartford City, Ind. Filed May 23, 1921. Serial No. 471,703. 2 Claims. (Cl. 16—42.)



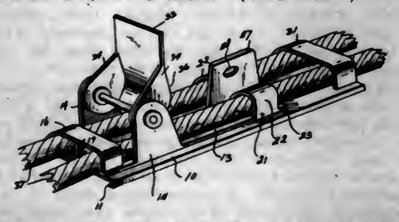
1. In a device of the class described, a caster comprising a body and a neck, a retainer including a base supported on said body and having a tubular extension receiving said neck, the extension being slotted to form arms, one arm being engaged with the neck and another being resilient to hold the retainer and the caster in an article of furniture.

1,482,661. FLUID-PRESSURE BRAKE. HORACE F. SCRUBY, Miami, Okla., and CHARLES B. ROGERS, Joplin, Mo. Filed Jan. 18, 1923. Serial No. 613,498. 4 Claims. (Cl. 188—151.)



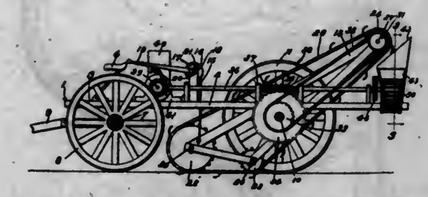
1. In a fluid pressure brake, a brake drum adapted to be secured to a revolving member, a supporting plate arranged adjacent said drum and secured to a stationary member, a plurality of pins carried by said plate and projecting into said drum, laterally movable disks mounted on said pins, flexible members secured to said disks to form a chamber between them, means for admitting fluid to said chamber, and friction surfaces carried by said disks and adapted to engage said brake drum when said disks are moved away from each other.

1,482,662. MAIL-BAG FASTENER. TRAFORD C. SHEPPARD, South Richmond, Va. Filed May 2, 1923. Serial No. 636,245. 8 Claims. (Cl. 24—30.5.)



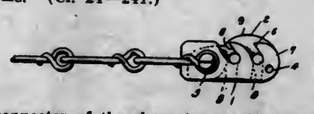
1. In a mail bag fastener, a base plate, a hasp plate mounted upon the upper surface of the base plate, a guide mounted upon one end of the hasp plate and secured to the base plate through the hasp plate, a hasp pivoted to the hasp plate, a staple mounted upon the opposite end of the hasp plate, and means for securing the staple to the base plate extending through the hasp plate.

1,482,663. STONE GATHERER. FREDERIC A. SHOULDICE, Trucksville, Pa. Filed Jan. 12, 1922. Serial No. 528,736. 1 Claim. (Cl. 55—17.)



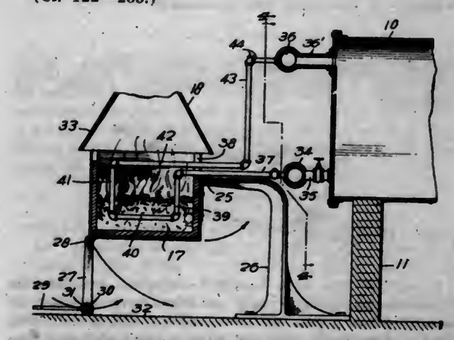
In a device of the class described, a wheel mounted frame, a worm wheel and a sprocket wheel mounted to rotate together on the frame intermediate the ends thereof, a shaft extended longitudinally of the frame and located exteriorly of the frame, an engine on the frame, means for connecting the engine operatively with the shaft, the engine being located at the forward end of the frame, a worm on the shaft, intermediate the ends thereof and meshing with the worm wheel, a stone gatherer within the frame and driven by the sprocket wheel, the gatherer operating parallel to the shaft, and a conveyor receiving stones from the gatherer and located at the rear of the frame, the conveyor operating transversely of the shaft, and means for operatively connecting the conveyor with the rear end of the shaft.

1,482,664. CHAIN CONNECTER. JOHN H. SMITH, Denton, Nebr. Filed Oct. 11, 1922. Serial No. 593,740. 2 Claims. (Cl. 24—241.)



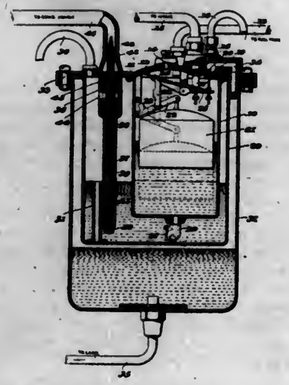
1. A connecter of the character specified comprising a hook member, said hook member consisting of an elongated strip formed into substantially U-shape, a lock member coacting with and pivoted to the hook member in the bifurcation thereof, said hook member and lock member having interengaging projections and recesses at their contacting surfaces, the lock member being resilient, and the construction of the lock member providing a space for insertion of a tool to pry the projections from the notches.

1,482,665. GENERATOR. HENRY STRONG, Millinocket, Me. Filed Apr. 30, 1921. Serial No. 465,806. 4 Claims. (Cl. 122—235.)



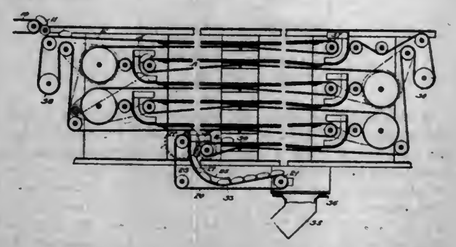
2. A heating plant comprising an upright having a substantially horizontal offset, a fire-box hinged at one side of the extremity to the offset and capable of swinging upon said hinge to dump the contents, the rearward side of said box being lower than other upper limits, a strut pivoted to the under side of the fire-box, proportioned to engage the floor and retain the fire-box in operating position, a roller carried by the strut, a lever pivoted to the strut and extending to a remote point for actuating the strut to dump the fire-box, a plurality of coils extending downwardly within the box and having their connections introduced over the said lower side and a boiler connected with the coils.

1,482,666. HYDROCARBON MOTOR. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 16, 1920. Serial No. 358,927. 14 Claims. (Cl. 158—36.)



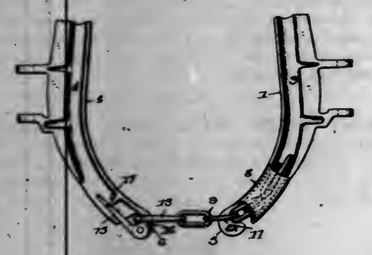
1. A fuel feeding device comprising a float chamber and means for supplying liquid fuel thereto, a chamber connected to the outlet of said float chamber and having a continuously open overflow outlet, and a feed chamber connected to receive the overflow from the second chamber and having a feed outlet at the bottom.

1,482,667. SPACING RECTIFIER. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Nov. 15, 1922. Serial No. 601,099. 14 Claims. (Cl. 198—34.)



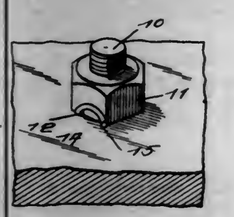
14. In a spacing rectifier, a plurality of rollers, a driving roller, and endless belt over said rollers, and an outwardly concave guide located between two of said rollers to indent said belt between said rollers, a conveying reach moving at a higher rate of speed than said belt and discharging articles by gravity to the indented portion of said belt, said belt having a discharge portion inclined upwardly from the bottom of said indented portion to the point of discharge, the space between said reach and said belt being such that the articles may slide down said indented portion into contact with one another at the bottom of said portion so as to be discharged at regular intervals from said belt.

1,482,668. HAME. JAMES M. WALSH, Milwaukee, Wis., assignor to Walsh Harness Company, Wilmington, Del., a Corporation of Delaware. Filed June 10, 1920. Serial No. 387,932. 6 Claims. (Cl. 54—27.)



2. The combination of hames one of which is provided at its lower end with a downwardly directed hook and formed adjacent the hook with a longitudinal channel open on the under side and a stop within the channel, a lever pivoted to the hame hook and having an upwardly directed hook approximately coinciding with the hame hook when the lever is turned upwardly into said channel against the stop therein, the free end of the lever when closed extending beyond the stop and held thereby away from the inner wall of the channel, and a chain releasably engageable at one end with said hooks and adjustably connected with the lower end of the other hame, the pull of the chain on the lever hook when the hames are drawn together by the chain securely holding the lever against the stop with the free end of the lever completely within and protected by the sides of the channel.

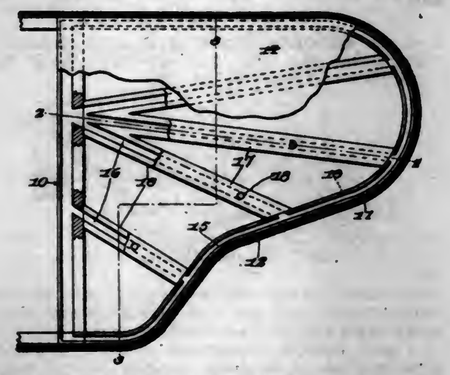
1,482,669. NUT LOCK. JOHN C. WHITED, Creede, Colo. Filed July 9, 1923. Serial No. 650,367. 1 Claim. (Cl. 151—37.)



A device of the character described comprising a member adapted to be rotated around an axis, the member having outward of its axis a groove on the work engaging face of the member extending inward from one side face thereof, there being an axially extending socket at the end of said groove, and a locking pawl of resilient material having a curved body portion sharpened at one end and adapted to lie against the side face of the member, that extremity of the pawl remote from the sharpened end being bent at right angles to the body of the pawl to lie within said groove and having a terminal end bent to extend axially into said socket.

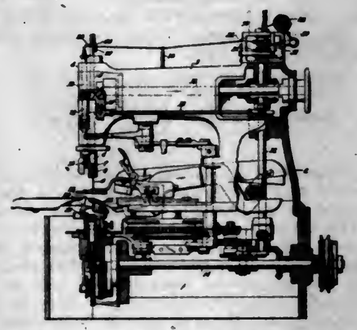
1,482,670. GRAND PIANO. JAMES H. WILLIAMS, Baltimore, Md. Filed July 6, 1921. Serial No. 482,720. 3 Claims. (Cl. 84—189.)

3. A piano of the horizontal type having a marginal soundboard supporting frame comprising a transverse front member and a continuous partly curved member, each of said members having an uninterrupted channel formed therein with its terminals in communication with those of the channel in the other member and also having bracing members, connecting the transverse and



partly curved members and provided with channels in open communication with the said connected channels therein.

1,482,671. THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Dec. 21, 1921. Serial No. 523,843. 8 Claims. (Cl. 112—241.)



1. A sewing machine having a needle-bar actuated main take-up member, and an auxiliary take-up member actuated independently of the needle-bar and operating at half the frequency of the main take-up member.

1,482,672. SEAL. ALBERT E. BROOKS, Everett, Wash. Filed May 4, 1922. Serial No. 558,367. 1 Claim. (Cl. 292—317.)



A seal of the type specified comprising a shackle formed from a pliable strip of metal bent between its ends to form a pair of arms, one of said arms being formed adjacent its free end with a transverse slot, the material on one edge of said slot being bent downwardly to provide an inclined guide, the remaining arm having a portion struck out adjacent its free end to form a

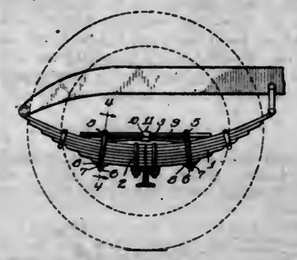
substantially arrow-shaped tongue adapted to be passed through said slot to connect the ends of the arms together, the width of the slot being proportioned to the wide end of the arrow-head to permit the latter to be forced through the slot and snapped in place so as to hinder its withdrawal, and a sleeve connected with the last mentioned arm and surrounding the tongue and slot to render them inaccessible.

1,482,673. KEY HOLDER. FRANK A. BROWN, Kansas City, Mo. Filed Aug. 24, 1922. Serial No. 584,018. 1 Claim. (Cl. 150—40.)



A key holder comprising a flexible cover, a rigid key plate attached to the inner side of the cover adjacent an edge thereof and intermediate the ends of the cover to admit of end portions of the cover folding thereover, said plate having an inwardly disposed flange along its outer edge and having an opening for exposing an identification card disposed between the plate and cover, and key attaching means connected to said inwardly disposed flange, said key attaching means consisting of short chains having snap hooks connected to their free ends by means of swivel joints.

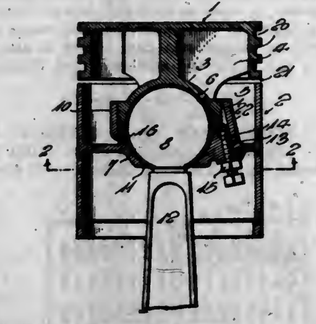
1,482,674. SPRING REPAIRER. GEORGE A. BUSSE, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 633,846. 3 Claims. (Cl. 267—51.)



1. In a spring repairer of the class described, a stiff metal bar, a clamping device at each end thereof adapted to embrace a spring to which the device is applied, and a resilient member to be interposed between the bar and a spring to which it is applied for holding the bar tightly in connection with the clamping devices under all conditions of the spring.

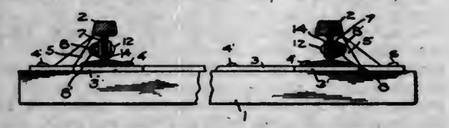
1,482,675. PISTON. WILLIAM L. CHILDERS, Quincy, Ill., assignor of one-half to Charles Lawrence Wells, Quincy, Ill. Filed Oct. 31, 1921. Serial No. 511,869. 4 Claims. (Cl. 74—108.)

1. A piston comprising upper and lower sections of the same diameter provided with cylinder bearing surfaces and involving an interior chamber, said upper section being formed with a plurality of grooves for the reception of piston packing rings, the adjacent ends of said sections at their peripheries having an opening between them for admitting lubricant to said chamber in the interior of said piston, means within the peripheries of said sections for rigidly connecting the latter, a connecting rod, means for movably attaching said rod to



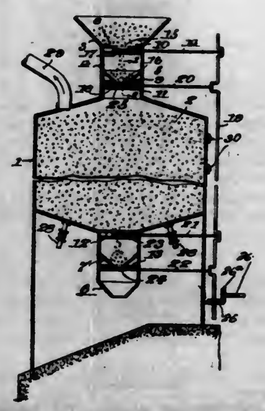
said sections, and a passage communicating with said chamber for delivering lubricant to said means for movably attaching the connecting rod to said piston sections, whereby the connection between said piston and connecting rod is continuously lubricated.

1,482,676. ANTISPREADING DEVICE. PETER M. CULLEN, Pittsburgh, Pa. Filed Nov. 17, 1920. Serial No. 424,584. 4 Claims. (Cl. 238—288.)



2. In a rail connecting device the combination of a member adapted to be secured to a rail tie, a bracket on each end thereof to engage the outer surface of a rail, a fish plate for each bracket, and anchoring members carried by the fish plates to engage said brackets.

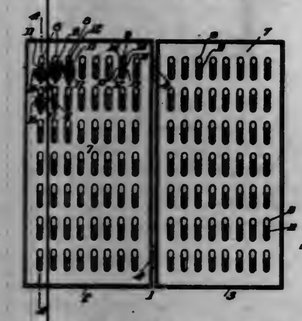
1,482,677. SHALE RETORT. CHARLES J. DUNTEN, Orcutt, Calif. Filed Oct. 4, 1922. Serial No. 592,366. 1 Claim. (Cl. 196—19.)



In an apparatus having a distilling chamber for extracting hydrocarbon oils from shale and similar material, means for introducing shale in successive charges to the upper end of said chamber, said means comprising a receiving passageway, a plurality of horizontal gate

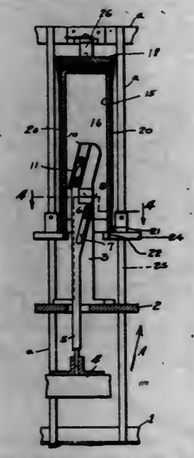
valves in spaced relation with each other disposed in said passageway, means for removing spent shale from the lower end of said chamber, said means comprising a discharge passageway, a plurality of horizontal gate valves in spaced relation with each other disposed in said passageway, a vertical rotatably driven crank shaft positioned adjacent to said apparatus, and means on said shaft adapted to engage said gate valves to alternately operate said valves for the admission and discharge of shale.

1,482,678. FISHERMAN'S DRY FLYLEAF BOOK. NEWTON C. FIGLEY, Los Angeles, Calif. Filed Feb. 6, 1923. Serial No. 617,206. 6 Claims. (Cl. 43—38.)



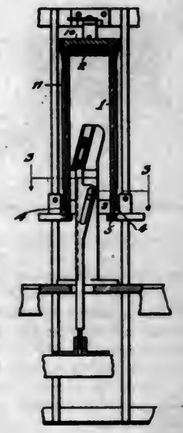
1. In a device as disclosed, a leaf provided with slots, teeth mounted on said leaf in the rear of said slots, said teeth being slit downwardly from their upper ends, which ends rest slightly below the upper ends of said slots to facilitate entrance of the fly hooks through said slots and through the slits in said teeth to hold the flies in position on said leaf, and to facilitate removal of the flies from said slots and slits, and from the leaf.

1,482,679. EMBROIDERING MACHINE. JOSEPH C. GILARDONE, Reading, Pa., assignor of one-third to Solomon S. Miller and one-third to Gehrke Knitting Mills, a Copartnership, both of Reading, Pa. Filed Feb. 2, 1923. Serial No. 616,455. 3 Claims. (Cl. 112—95.)



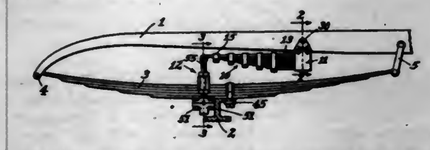
2. In an embroidering machine, the combination of a series of shuttles, carried by a shuttle bar and supported on shuttle posts carried by said bar, said posts having enlarged heads provided with angularly arranged slots, pins on which the slotted posts ride, means for conveying an angular reciprocating movement to the shuttle, a casing or frame over which a stocking may be placed without cutting, means for securely holding the stocking in position on the frame, and means for embroidering the stocking on both sides without removing the stocking from the frame.

1,482,680. STOCKING-HOLDING FRAME FOR EMBROIDERING MACHINES. JOSEPH C. GILARDONE, Reading, Pa., assignor of one-third to Solomon S. Miller and one-third to Gehrke Knitting Mills, a Copartnership, both of Reading, Pa. Filed Feb. 2, 1923. Serial No. 616,456. 3 Claims. (Cl. 112—103.)



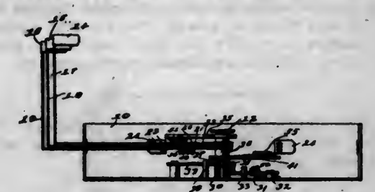
3. A stocking holding frame for embroidering machines, comprising a body of substantially rectangular form, having open front and rear portions, a pair of hooks located at opposite points in close proximity to its lower end, a pair of positioning pins depending from the lower end of the body, a cap adapted to fit over the top thereof, and a pair of depending clamping arms, carried by the cap, and whose lower ends are adapted for engagement by said hooks, whereby a stocking may be held in position on the frame while presenting two opposite points thereof to an embroidering needle.

1,482,681. SHOCK ABSORBER. JOSEPH GRIJALVA, Los Angeles, Calif. Filed Apr. 30, 1923. Serial No. 635,606. 1 Claim. (Cl. 227—45.)



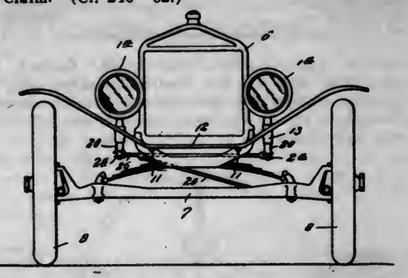
A shock absorber for automobiles comprising a spring, a bracket formed with a lower horizontal member and a vertical member, upstanding from said horizontal member, the inner portion of said horizontal member resting against the under flange of said chassis, and said vertical member resting against the outside of said chassis, said lower member being provided with grooves, bolts resting in said grooves, hooks on the inner ends of said bolts for engaging the inner edge of the lower flange of said chassis, a clamp on the outer part of said lower member through which the outer ends of said bolts extend, nuts on the outer ends of bolts for engaging said clamp to clamp one end of said spring, and means for connecting the other end of said spring to the automobile axle.

1,482,682. MUSIC-LEAF TURNER. EUCLID P. GOODCHILD, Spokane, Wash. Filed Dec. 24, 1920. Serial No. 433,013. 5 Claims. (Cl. 84—310.)



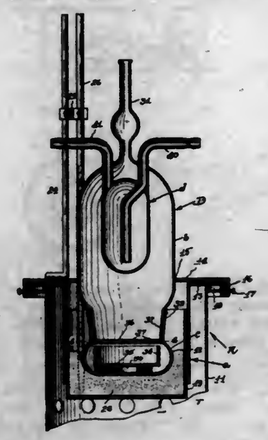
1. A music leaf turner comprising a casing, a vertical shaft rotatably mounted in said casing, a plurality of leaf clips, leaf clip carrying arms extending exteriorly of said casing, a driving arm fixed to said shaft, a sleeve loosely mounted on said shaft, a driving arm fixed to said sleeve, means for rotating the shaft including a pinion fixed to said shaft and a horizontally disposed segmental gear meshed with said pinion, means for rotating the sleeve oppositely with respect to said shaft including a pinion fixed to the sleeve and a horizontally disposed segmental gear meshed with said sleeve pinion, retractile coil springs engageable with said segmental gears for urging said gears to initial position, transfer mechanism for transmitting the motion of said driving arm to the proper leaf clip carrying arm, and controlling means including operating levers and flexible elements connecting said operating levers with said segmental gears.

1,482,683. DIRIGIBLE HEADLIGHT CONSTRUCTION FOR MOTOR VEHICLES. ORA C. HUGHES, Villa Ridge, Ill. Filed Mar. 22, 1923. Serial No. 626,747. 1 Claim. (Cl. 240—62.)



A dirigible headlight structure for motor vehicles comprising a bar secured at its intermediate portion to the under side of the radiator and having upwardly and outwardly inclined end portions disposed over the fender and secured thereto, bearing sleeves mounted upon the inclined portions of the bar and disposed in alinement with each other at the opposite sides of the inclined portion, the sleeves having parallel end bearing edges which are disposed horizontally, angular arms having diametrically reduced end portions provided with threaded extremities, the said reduced end portions and the threaded extremities passing through the bar and being disposed within the sleeves and spaced from the inner surfaces thereof, means operatively connecting the arms together, lamp posts having reduced lower end portions disposed in the upper sleeve and spaced from the walls thereof and engaging the threaded extremities of the arms, said posts being provided with flanges which extend over the upper edges of the upper sleeve and close the openings through the sleeves, lamps mounted upon the posts, bearing balls interposed between the inner surfaces of the upper sleeves and the reduced portions of the posts and lying under the flanges and bearing balls interposed between the lower portions of the reduced parts of the arms and the lower edges of the lower sleeve.

1,482,684. SUBLIMATOR. JULIUS HORTVET, Minneapolis, Minn. Filed Feb. 19, 1923. Serial No. 619,952. 11 Claims. (Cl. 23—3.)



1. In a device of the class described, a vessel adapted to contain a substance in the bottom thereof to be treated, means for heating the lower portion of the vessel, said vessel having an elevated opening therein for the exhaustion of air therefrom and an accumulator within said vessel presenting a surface for the deposition of material sublimed from said substance under heat, within the vacuous interior of the vessel.

1,482,685. HAT PAD. SAMUEL JAFFE and SAMUEL KANNER, New York, N. Y. Filed May 22, 1923. Serial No. 640,679. 2 Claims. (Cl. 2—32.)

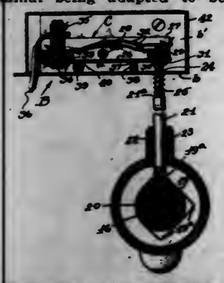


1. A hat pad consisting of a stiffening member decreasing in width from its central portion to its ends, a backing for the stiffening member, a metallic securing band attached to said stiffening member, a body of yielding filling material vertical on one side and curved on its opposite side, in cross section, bearing against said stiffening member, and a yielding covering enclosing said filling material and secured at its margin to said stiffening member.

1,482,686. TIMER FOR INTERNAL-COMBUSTION ENGINES. FREDERICK JULSON, Willmar, Minn., assignor of one-half to Martin O. Sweiven, Danube, Minn. Filed Jan. 2, 1923. Serial No. 610,209. 7 Claims. (Cl. 200—27.)

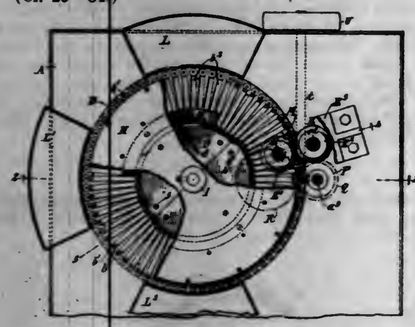
1. In a timer for an internal combustion engine having a horizontal cam shaft and an annular depression in the engine frame concentric with said shaft, a cam for said shaft, an upright frame including an open ended cylindrical housing, for said cam, the open end of said housing being adapted to be seated in said depression, upright circuit making and breaking rods reciprocably guided in said frame, the lower extremities of said rods

reaching through said housing and operably engaged with said cam, a plurality of terminals, one for each rod, each terminal being adapted to be engaged from



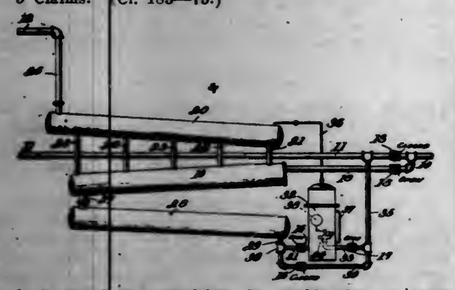
beneath by its respective rod, a support common to all of said terminals and means for moving said support to provide for contact between said rods and terminals earlier or later in the contacting thrusts of said rods.

1,482,687. MACHINE FOR ASSEMBLING VALVE PARTS. HENRY PHILLIP KRAFT, Ridgewood, N. J. Filed July 5, 1921. Serial No. 482,865. 21 Claims. (Cl. 29—84.)



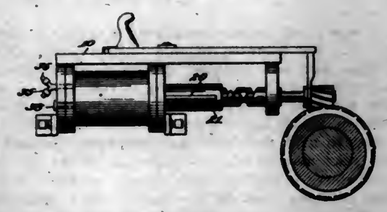
3. A machine for assembling valve parts, comprising a rotatable feeding dial provided with a series of openings each adapted to receive the parts to be assembled in the following sequence, the valve-pin, the valve spring and the spring cup, means for retaining said parts in said openings, means for projecting the valve pins above the face of the dial after passing a fixed point, means for swaging the exposed ends of the valve pins, and means for ejecting the assembled parts from the feeding dial.

1,482,688. GAS TRAP. DANIEL W. KYGAR, Ponca City, Okla., assignor to Kay County Gas Company, Ponca City, Okla. Filed Aug. 2, 1922. Serial No. 579,216. 5 Claims. (Cl. 183—75.)



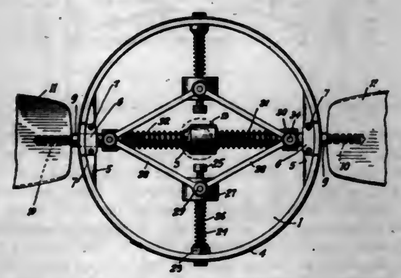
1. A gas trap comprising, in combination, a downwardly inclined cylinder adapted to have its higher end connected to the outlet of a well, a second cylinder adjacent and diverging upwardly relative to said first named cylinder, a conduit connecting said cylinders at points adjacent the higher end of the first and the lower end of the second named thereof so arranged that the second cylinder may drain by gravity into the first named cylinder, means to connect the upper and lower cylinders respectively with gas and liquid receiving means.

1,482,689. TIRE PUMP. J HERBERT LANDES, Norristown, Pa. Filed Aug. 20, 1921. Serial No. 493,847. 1 Claim. (Cl. 230—27.)



A tire pump comprising a bracket, a cylinder mounted on said bracket, a piston in said cylinder, a hollow rod secured to the piston, a rotatable shaft having a bearing in said bracket and projecting into said rod, said shaft having reversely arranged helical grooves thereon terminating in common curved paths, a follower secured to the rod and projecting into said grooves, a worm gear slidably secured to said shaft, a crank shaft positioned at substantially right angles to said rotatable shaft, a member longitudinally slidable on said bracket for throwing said worm gear into and out of engagement with said spiral gear, and a spring catch for holding said member in selected position.

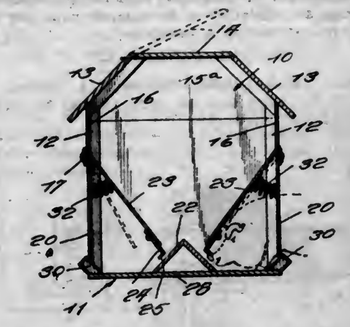
1,482,690. AEROPLANE PROPELLER. GEORGE LANZIUS, New York, N. Y.; Evelyn Elizabeth Fairbanks Lanzius executrix of said George Lanzius, deceased. Filed Feb. 10, 1919. Serial No. 275,959. 3 Claims. (Cl. 170—162.)



1. In a propeller, the combination comprising a hub, a pair of spindles carried by the hub having their inner ends juxtaposed, a sleeve secured on one spindle and arranged to receive the other spindle, a securing member on the other spindle, a securing member loosely disposed on the other spindle and secured to the sleeve, and friction-reducing means disposed between the securing members.

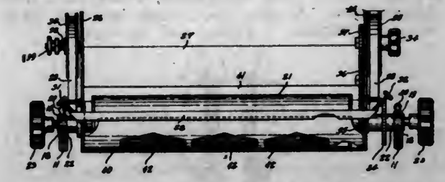
1,482,691. APPARATUS FOR FEEDING HOGS. PETER LIEFFRING, Wathena, Kans. Filed July 5, 1923. Serial No. 649,607. 1 Claim. (Cl. 119—53.)

In hog feeding apparatus, a storage compartment comprising side and end walls, side walls terminating in spaced relation to the bottom of the compartment, hopper walls inclining inwardly from the side walls, a V shaped baffle carried by the end walls and toward which said inclined hopper walls are directed, feed regulators



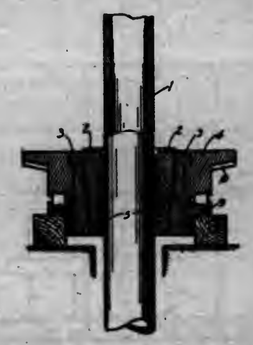
carried by said hopper walls and adjustable toward and away from said baffle, said plate being provided at its lower end with an angular flange directed away from said hopper.

1,482,692. PAPER SEPARATOR FOR TYPEWRITERS. CLIFFORD W. MARSH, Bridgeport, Conn. Filed Jan. 8, 1923. Serial No. 611,221. 12 Claims. (Cl. 197—126.)



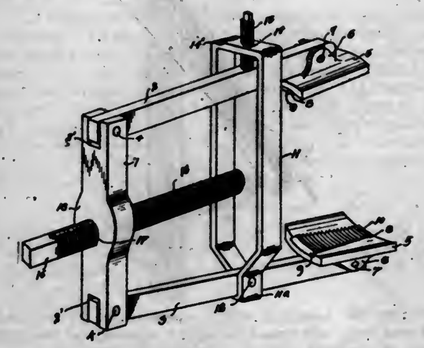
1. The combination with the printing devices of a typewriter having a reciprocating mechanism, of a carrier comprising in combination as a unit, a platen, means for carrying transfer material at one side of said platen, a separator arranged to direct work sheets to the opposite sides of the transfer material, and means to removably connect said carrier unit with said reciprocating mechanism.

1,482,693. DRILL-PIPE SLIP. GEORGE W. MOLLENBERG, Huntington Beach, Calif. Filed Mar. 17, 1923. Serial No. 625,797. 3 Claims. (Cl. 24—263.)



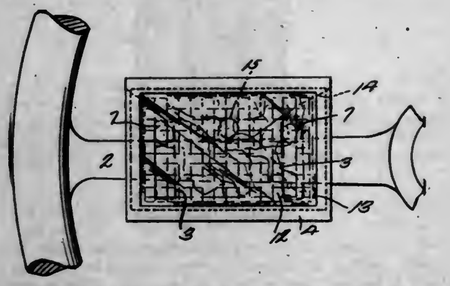
1. A set of drill-pipe slips of the class described, comprising a set of sockets positioned in the said drill-pipe slips; grooves positioned in the sides of the respective drill-pipe slips; individual teeth sections, adapted to be inserted in the said sockets; flanges formed on the end portions of the said teeth, adapted to fit into the said grooves; a clamping means, adapted to hold the said flanges in the said grooves, as set forth.

1,482,694. WHEEL PULLER. PERCY G. NEILL, Bonners Ferry, Idaho. Filed Sept. 23, 1922. Serial No. 590,033. 3 Claims. (Cl. 29—85.)



1. The combination with a cross bar, of a pair of pivoted arms, a yoke pivoted on one arm and embracing the other arm, a set bolt in the end of the yoke adapted to engage the free arm, pivoted jaws on the free ends of the arms, threaded plates detachably fixed in said jaws, and a screw bar having a bearing in said cross bar.

1,482,695. MAP AND HOLDER. WALTER NELSON, Oberon, N. Dak. Filed Apr. 18, 1923. Serial No. 632,893. 1 Claim. (Cl. 35—6.)



The combination with a spoke of a steering wheel, of a map container carried thereby, the underside of said map container being provided with resilient straps adapted to extend under the spoke, means carried by said straps at their free ends whereby they may be attached to the underside of the container, a partition wall disposed within the container and dividing the same into a map section receiving compartment adjacent the underside of the container and a map receiving compartment adjacent the upper side of the container, and a transparent member carried by the upper side of the container and forming the upper wall of the last named map receiving compartment.

1,482,696. DEVICE FOR OPERATING AND LOCKING A SWINGING WINDOW SASH. SIDNEY H. NEWBERRY, Chester, Pa. Filed Aug. 6, 1921. Serial No. 490,281. 5 Claims. (Cl. 292—267.)

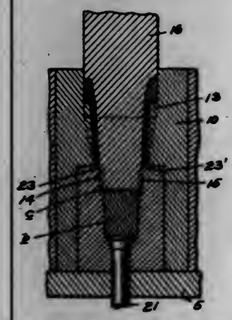
1. A device for operating a swinging window sash consisting of a bar pivotally connectible with one sash,

a plate on the other sash, said bar being freely engaged with said plate and slidable in the arc of a circle



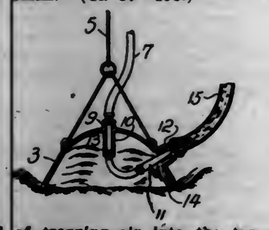
whereby the swinging sash is operated by the movement of said bar, and means pivotally mounted on the under side of the said bar for locking the same.

1,482,697. METHOD OF FORMING DRAWBAR YOKES. HERBERT P. ORR, Indiana, Pa., assignor of one-fourth to Henderson B. Douglas, Pittsburgh, Pa., and one-fourth to Andrew Christianson, Butler, Pa. Filed Feb. 24, 1922. Serial No. 539,018. 5 Claims. (Cl. 29—167.)



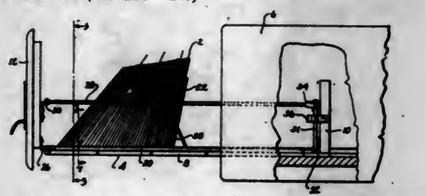
1. A method of forming draw bar yokes which comprises forcing a plunger entirely through a billet to form a hollow head with a substantially even surfaced opening extending completely through the head, and subsequently subjecting the end opposite the head so formed to extrusion to produce side straps thereon.

1,482,698. PUMP AGITATOR. ANDREW PETERSON, Brooklyn, N. Y. Filed July 24, 1923. Serial No. 653,526. 1 Claim. (Cl. 37—195.)



The method of trapping air into the top of an inverted and submerged air chamber open at the bottom and resting upon the material to be pumped, the subsequent and repeated discharge of said trapped air causing pulsating action of the water contained in the lower part of the submerged air chamber, said action breaking up and mixing the material to be pumped with the water entering the submerged air chamber.

1,482,699. CARD INDEX. RICHARD A. PICARD, New York, N. Y. Filed Oct. 24, 1922. Serial No. 596,577. 8 Claims. (Cl. 129—16.)



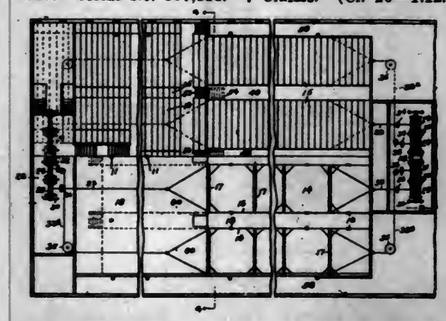
1. A card index having, in combination, a series of index cards, means for supporting the cards in a substantially vertical position so that one face of each card may be inspected, arranged to allow the cards to be shifted to a substantially flat position, and means to cause the cards to assume a relatively overlapping relation with the outer margin of one face of each card exposed when shifted to the latter position.

1,482,700. MOLD FOR CONCRETE CURBING. JOHN RATZESBERGER, Altoona, Pa. Filed Apr. 24, 1923. Serial No. 634,254. 1 Claim. (Cl. 25—118.)



1. A mold of the class described comprising a pair of plates provided with eye bolts on the outer faces thereof and arranged in vertical spaced relation, rods extending vertically through certain of said eye bolts, means on said rods for engagement with the upper outer edges of said plates, clamping means receivable on the upper ends of said rods and adapted to rest on said last mentioned means, and bracing elements associated with the other eye bolts at one end and adapted to receive anchoring means in their opposite ends.

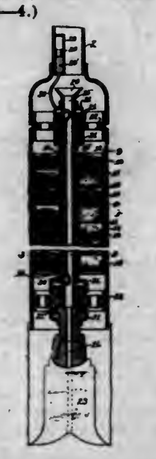
1,482,701. MOVABLE-SEAT CONSTRUCTION. VICTOR A. RIGAUMONT, Pittsburgh, Pa. Filed June 30, 1919. Serial No. 307,818. 7 Claims. (Cl. 20—1.12.)



1. A movable seating arrangement comprising, in combination, a smooth main floor, a movable seating floor section mounted on long supporting rollers enlarged

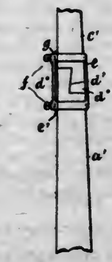
portions of which travel directly on said floor, guide rails, sockets embedded in the floor below the top surface thereof, members extending through the guide rails into said sockets for removably securing the rails to the floor, the reduced portions of the rollers being provided with grooves engaging the sides of said guide rails, and mechanism for moving said floor sections.

1,482,702. FLUID-OPERATED WELL-DRILLING APPARATUS. CHARLES C. SCHARPENBERG, Bakersfield, Calif. Filed Oct. 9, 1922. Serial No. 593,287. 7 Claims. (Cl. 255—4.)



5. A well drilling apparatus comprising a shell non-rotatably suspended within the well; means for passing a stream of fluid under pressure through said shell; a rotatable shaft within said shell; a plurality of interlocking sleeves surrounding said shaft, the lowermost of said sleeves being fixed upon said shaft; a set of power vanes projecting outwardly from each sleeve; a plurality of interlocking rings fitted within said shell, the lowermost ring being secured to said shell; a set of guide vanes projecting inwardly from each ring and lying between adjacent sets of power vanes, said guide vanes being so disposed as to direct the fluid stream against said power vanes to cause the rotation of said shaft; and a drill bit caried by the lower projecting end of said shaft.

1,482,703. PICKER STICK. BERNARD W. SCHUTZ, Haledon, N. J. Filed May 20, 1922. Serial No. 562,316. 3 Claims. (Cl. 139—157.)



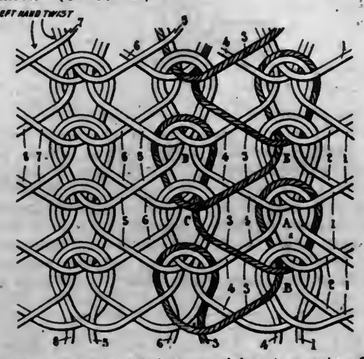
1. A picker stick for looms including two alined stick sections having an interlock preventing their separation longitudinally of the stick without displacement of one of them transversely of the other and clamping means embracing the sections and uniting each rigidly to the other.

1,482,704. DOOR HANGER. MORRIS SCHWARTZ, Chicago, Ill. Filed Mar. 6, 1922. Serial No. 541,433. 6 Claims. (Cl. 16—128.)



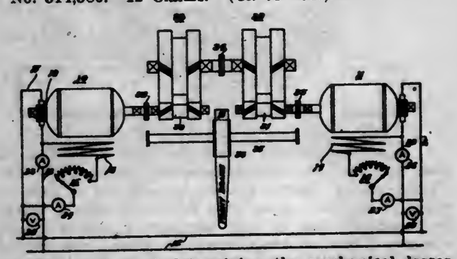
1. In combination with sheet metal door and jamb, both made with apertures made by slitting the metal and curving the edges of the slits inward, of hinge members made from sheet metal folded to provide a cylindrical body from which extend flanges lying close together and slit, the center portion of the flanges bent outward at right angles to the end portions, the latter pressed through said slits and clinched, the center portions resting against the front of the door and jamb, the cylindrical body seated in said curved edges.

1,482,705. WARP KNIT FABRIC AND METHOD OF MAKING SAME. AUGUSTIN SERRA, Essomes-sur-Marne, France. Filed Dec. 5, 1923. Serial No. 678,787. 3 Claims. (Cl. 66—4.)



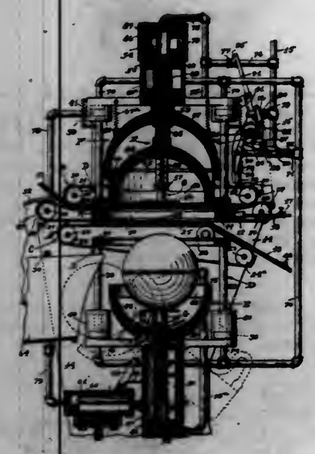
2. A warp knitted fabric comprising two sets of left-hand twisted threads in which each individual thread is formed into a series of closed loops, each node is formed by the intermeshing of a plurality of loops of separate threads, and the threads are all pulled tight at the nodes.

1,482,706. METHOD OF AND APPARATUS FOR TESTING GEARS. IRA SHORT, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed Nov. 10, 1921. Serial No. 514,380. 12 Claims. (Cl. 73—51.)



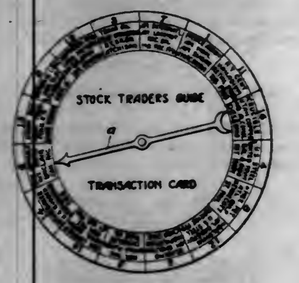
1. The method of determining the mechanical losses in a gear train which comprises connecting gear train between a driving means and a loading means, in determining the difference between the energy applied by the driving means to the gear train and the energy applied by the gear train to the loading means, and in returning at least a portion of the energy applied to the loading means to the driving means.

1,482,707. MACHINE FOR AND PROCESS OF MAKING HOLLOW RUBBER ARTICLES. FRANK W. SKINNER, Minneapolis, Minn. Filed Dec. 12, 1921. Serial No. 521,617. 19 Claims. (Cl. 18—19.)



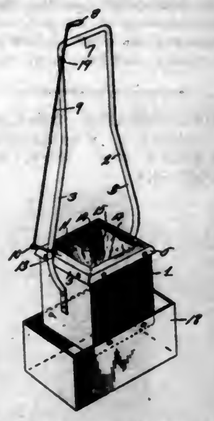
3. The process of making hollow rubber articles, which consists in clamping portions of sheets of rubber at their margins against a spacer element and in position covering opposite sides of an opening therein, simultaneously inflating said portions of the rubber sheets with a fluid medium introduced into the opening in the spacer element, supporting certain sections of said portions against stretching following initial inflation, joining endless zones of the inflated portions and severing the inflated body thus formed from the sheets of rubber.

1,482,708. GAME. EUGENE W. SMALL, New York, N. Y. Filed Oct. 1, 1921. Serial No. 504,614. 2 Claims. (Cl. 46—56.)



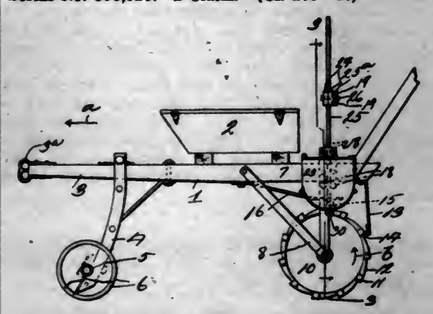
1. A game comprising a dial, an arrow adapted to be spun over its face pivotally mounted thereon, said dial divided into a desired number of segments in each of which the trading names of a desired number of stocks are inscribed, each of such segments numbered out of numerical order of arrangement, in combination with a result card, horizontally inscribed with the same number of spaces as the segments of the dial but arranged in numerical order, each of the spaces containing a set of numbers equal to those on the dial, but also arranged out of numerical order, and inscribed so that a designated portion of such numbers show rise, change, or no change by points, and others of such numbers show decline, change or no change by points.

1,482,709. POWDER DUSTER. DANIEL D. SMITH, Valdosta, Ga. Filed July 24, 1923. Serial No. 653,481. 3 Claims. (Cl. 43—145.)



1. The combination with a powder dusting machine comprising a casing, a powder bag disposed therein, a weight carried by said bag, a handle member extending upwardly from said casing, of means for intermittently raising and dropping said weight, said means comprising a lever rockably mounted on the handle member and having one of its arms disposed over the bag, a flexible member connecting said lever and said weight, a vertically movable rod connected to said lever, said rod terminating adjacent the upper end of the handle member.

1,482,710. POWDER-DUSTING MACHINE. DANIEL DARLEY SMITH, Valdosta, Ga. Filed Nov. 2, 1922. Serial No. 596,528. 1 Claim. (Cl. 275—2.)

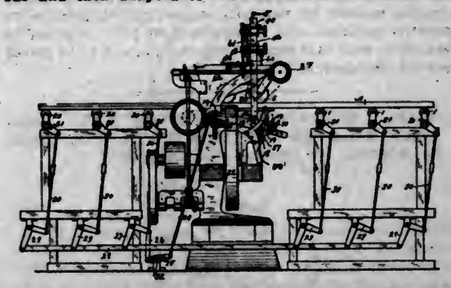


A powder dusting machine, said machine comprising a beam, draft attaching means at the forward end of the beam, a vertically movable rod extending through the rear end of the beam and adapted to reciprocate, a leaf spring secured to the beam and having its free end disposed beneath the lower end of the vertically movable rod, powder receiving receptacles supported by the vertically movable rod, a roller caried by the free end of the spring, and a ratchet wheel disposed beneath the roller and with which the roller engages.

1,482,711. ADJUSTING MECHANISM FOR RESAWING MACHINES. JOHN SORENSON, Rhinelander, Wis. Filed Aug. 9, 1920. Serial No. 402,185. 9 Claims. (Cl. 143—5.)

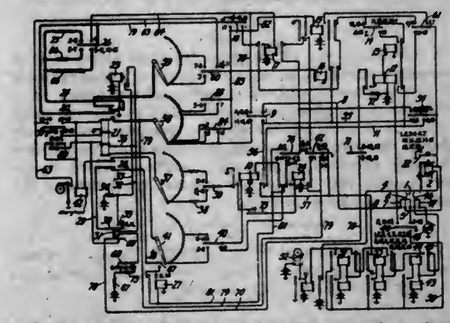
1. The combination with the table adjusting lever of a re-sawing mechanism, of a bar operatively connected with said lever, two sets of opposed friction rollers between

which said bar passes, power connections for driving one roller in each set to rotate them in the same direction, said power driven rollers being on opposite sides of the bar and each adapted to actuate the bar in a direction



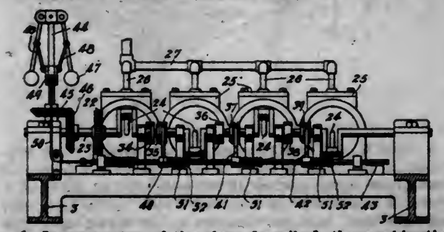
opposite to its movement when actuated by the other power driven roller, and a manually operable lever controlling the position of the other rollers of the respective sets to selectively press the bar against either of the power driven rollers.

1,482,712. TESTING SYSTEM FOR AUTOMATIC EXCHANGES. FRANKLIN A. STEARN, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1919. Serial No. 328,207. 8 Claims. (Cl. 179—175.)



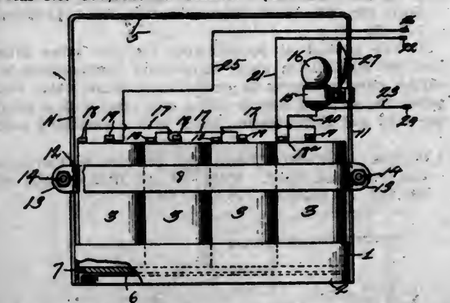
7. In a testing system, a relay to be tested, a circuit for said relay, automatic means to successively close said circuit through bridges of various resistance values, and means to test the proper operation of said relay each time a bridge of new resistance value is introduced into said circuit.

1,482,713. APPARATUS FOR RECOVERING POWER FROM TIDES AND WAVES. SAMUEL P. STEIN, Newark, N. J. Filed June 26, 1920. Serial No. 391,959. 4 Claims. (Cl. 192—48.)



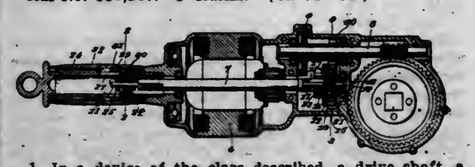
1. In apparatus of the class described, the combination of a plurality of machines to be driven, an independent drive shaft for each of said machines, clutches between adjacent ones of said drive shafts, and automatic means for successively connecting and disconnecting said drive shafts through said clutches.

1,482,714. AUTOMOBILE CIRCUIT TESTER. EDWARD C. STILLGER, Burlington, Colo. Filed Oct. 3, 1922. Serial No. 592,080. 2 Claims. (Cl. 204—38.)



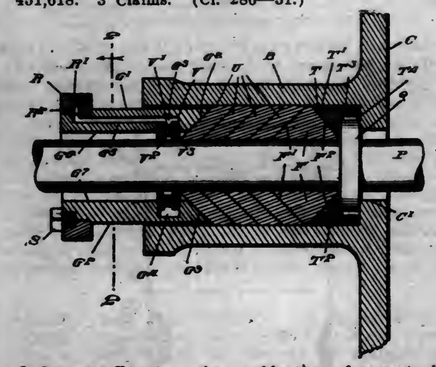
1. A battery tester comprising a frame, a plurality of batteries disposed in said frame, a handle member carried by the frame and arching over the upper ends of the batteries, a vertically adjustable light supporting bracket carried by the handle, oppositely disposed separable U-shaped clamping members for clamping said batteries in the frame, one of said U-shaped members being fixed to handle member.

1,482,715. EXPANDING RING CLUTCH. CLARENCE STRAND, Mahnomen, Minn. Filed Jan. 27, 1922. Serial No. 532,217. 8 Claims. (Cl. 74—58.)



1. In a device of the class described, a drive shaft, a driven shaft, fixed gears on one of said shafts, gears slidably carried by the other of said shafts, a pin slidable longitudinally of the said other shaft, a connection between said pin and said slidable gear, and means operating automatically upon the slidable gear reaching the limit of its movement in either direction for establishing a driving connection between said gear and said shaft.

1,482,716. PISTON-ROD PACKING. WILLIAM SUDEKUM, Nashville, Tenn. Filed Mar. 11, 1921. Serial No. 451,618. 3 Claims. (Cl. 286—31.)

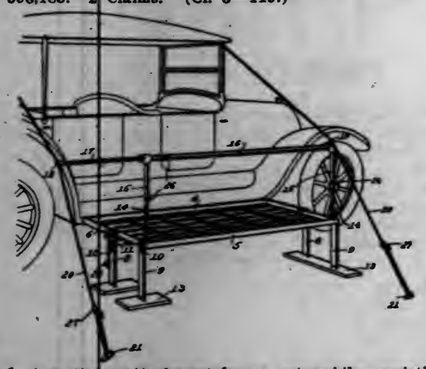


2. In a stuffing box, the combination of a seat ring provided with an interior face; a groove in said face; a vibrating ring in said groove; a packing gland provided with an interior face; a groove in said face; a vibrating ring in said groove; and a compressible packing medium between said seat ring and said gland.

1,482,717. PROCESS OF PREPARING FILMS. ALBERT F. SULZER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 31, 1922. Serial No. 598,202. 4 Claims. (Cl. 18—57.)

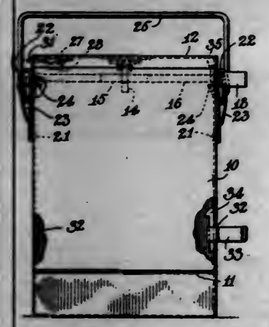
1. The method of preshrinking cellulose ether films, that are insoluble in water at ordinary temperatures but shrink after treatment in photographic baths, which comprises the steps of first treating said films with a swelling bath and then treating them with a shrinking bath.

1,482,718. AUTOMOBILE BED. FRANCIS X. VAN AUSDAL, Pasadena, Calif. Filed Oct. 23, 1922. Serial No. 596,183. 2 Claims. (Cl. 5—119.)



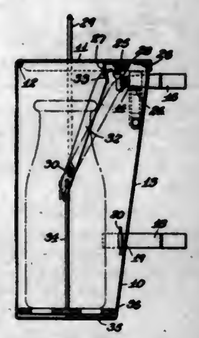
1. A mattress attachment for an automobile consisting of an inner frame section having means on its inner side for hinging the same to the running board of the automobile, an outer frame section with pivoted connections attaching its ends to the ends of the inner frame section, inner legs pivotally attached respectively at the said pivotal connections on the outer side of the ends of the inner frame section, and constructed to fold into line with the ends of the inner frame section, distance washers between the ends of the two frame sections at the said pivoted connections, outer legs pivotally attached respectively at the outer sides of the ends of the said outer frame section, said outer frame section operating to fold into juxtaposition over the inner frame section with the outer legs in the space between the ends of the frame sections and in line with the said washers, and means attached to the said pivotal connections having means for detachably connecting to the side of the automobile to hold the folded frame sections in a substantially vertical position.

1,482,719. THEFTPROOF RECEIVER BOX. LOUIS WILKE, Morsemere, N. J. Filed Dec. 7, 1921, Serial No. 520,506. Renewed Oct. 5, 1923. 13 Claims. (Cl. 232—42.)



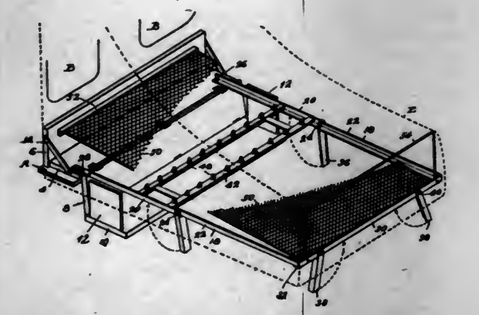
1. A receiver box of the class described provided with a closure member, a lock mechanism for said closure member, said lock mechanism being provided with a part adapted to be placed between a door and the door frame when the door is in its closed position for retaining said lock mechanism in its operative position, means involving a spring member for normally supporting said part in its operative position, and a supplemental part mounted in connection with said receiver box and adapted to be placed between the door and door frame.

1,482,720. THEFTPROOF RECEIVER BOX. LOUIS WILKE, Morsemere, N. J. Filed Feb. 24, 1923. Serial No. 620,903. 14 Claims. (Cl. 232—42.)



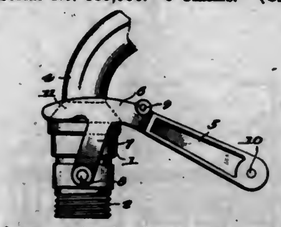
1. A receiver box of the class described provided with members adapted to be placed between a swinging member and stationary support therefor, said members being reversible on the receiver box, and one of which constitutes a part of a lock mechanism and extends transversely through the receiver box and the closure of the receiver box being provided with a catch device adapted to cooperate with said last named member for retaining the closure in a closed position.

1,482,721. FOLDABLE TOURIST BED. LONZA A. WINDSOR, Pittsburg, Kans. Filed June 9, 1922. Serial No. 567,157. 1 Claim. (Cl. 5—119.)



A foldable bed consisting of a case adapted to be supported on the running board of an automobile, a head rail fixed to the upper portion of the back wall of the case, a foot rail, a mattress secured at its ends to the head rail and said foot rail and adapted to be rolled upon the latter when the bed is not in use, legs pivoted to the foot rail to fold against the same, side rails hinged intermediate their ends and adapted to fold within the case, studs depending from the rear ends of said side rails and adapted to detachably engage the foot rail, and legs foldably connected to the hinged portions of said side rails.

1,482,722. HOSE COUPLING. JOHN JAMES ARMSTRONG, Los Angeles, Calif., assignor of one-half to Robert B. Booth, Honolulu, Territory of Hawaii. Filed Jan. 21, 1922. Serial No. 530,906. 6 Claims. (Cl. 285—181.)



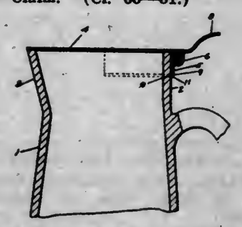
1. In a hose coupler for faucets, the combination with a faucet discharge element provided with an annular camber adjacent to its end, of a socket member to receive the cambered end of the faucet discharge element and provided with a hose connection, and a lever pivoted transversely of said socket member and comprising a main part and opposite cam members in approximately linear extension of said main part, said cam members being operative by the lever to engage the annular camber on opposite sides of the faucet discharge element seated in the socket member.

1,482,723. BATHING CAP. LOUIS AUSTER and MARIE AUSTER, New York, N. Y. Filed Sept. 4, 1923. Serial No. 660,797. 8 Claims. (Cl. 2—106.)



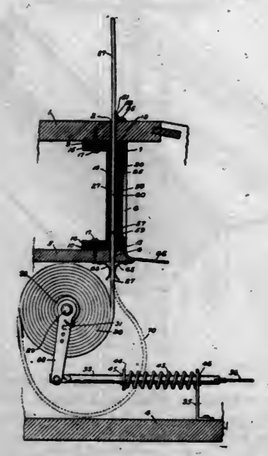
8. An elastic water guard for the head of a bather having ear receiving openings at its opposite sides, ribs entirely surrounding the openings, and snugly conforming to the inequalities of the human head entirely around the ears.

1,482,724. LIQUID CONTAINER AND TOP. CHARLES S. BARON, Tiffin, Ohio. Filed Feb. 27, 1923. Serial No. 621,574. 1 Claim. (Cl. 65—31.)



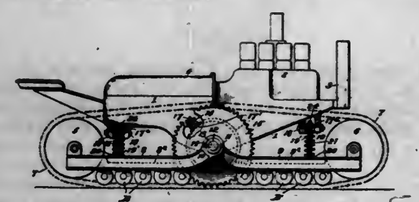
A device of the class described comprising in combination, a container provided with a narrow groove in its outer surface spaced from its mouth, a flat segmental band of spring metal forming a clip partially encircling and gripping said container without covering any portion of the mouth thereof, said band having its lower edge inturned to form a flange closely fitting into said groove, ears projecting from said band, and a lid pivotally connected to said ears.

1,482,725. TARGET FOR AMUSEMENT DEVICES. ARCHIE H. BECHTOL, Memphis, Tenn., and WALTER A. TRATSCH, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,738. 9 Claims. (Cl. 124—15.)



1. In an amusement device, the combination of a firing means; a target provided with a movable portion; connections between said movable portion and said firing means; means associated with said movable portion adapted to leave an imprint on said movable portion when a shot strikes said target; and means whereby said movable portion may be positioned with reference to said target.

1,482,726. TRACTION ENGINE. CLARENCE LEO BEST, San Leandro, Calif., assignor to C. L. Best Gas Traction Company, San Leandro, Calif., a Corporation of California. Filed Nov. 5, 1920. Serial No. 422,109. 13 Claims. (Cl. 305—9.)

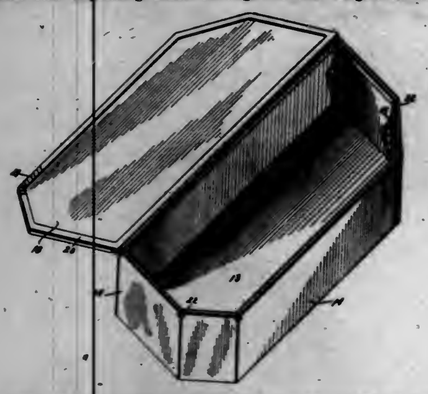


1. In a tracklaying tractor, the combination of a main frame, and tractor truck mechanism including a truck frame having adjoining sections pivotally connected at their adjacent end portions with the main frame for independent swinging movement, yieldable load-supporting connections between the main frame and the swinging truck frame sections, idler elements on the outer end portions of the truck frame, an endless tread engaging the idler elements and a driving sprocket located intermediate the ends of the truck at the adjacent pivotally connected end portions of the truck frame sections and operatively engaging the lower active run of the chain.

1,482,727. BOX AND METHOD OF MAKING THE SAME. JULIUS BOACHERS, New York, N. Y. Filed May 3, 1921. Serial No. 466,474. 1 Claim. (Cl. 229—6.)

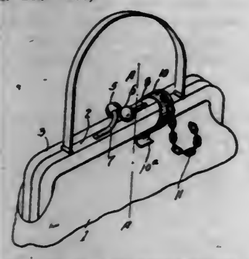
A box-blank, comprising an outer covering and an inner lining, each including a bottom, sides, a cover and triangular corner folds, lines of stitching uniting said outer covering with said inner lining along the lines of junction of said bottom, sides, cover and corner folds,

interposed stiffening pieces in the bottom-, sides-, and cover-portions of the blank, each corner fold being united with two adjoining sides throughout the length of two



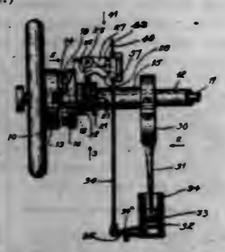
of its edges and having a free edge connecting the free edges of the respective sides, said corner folds being foldable centrally on a line intersecting the point of junction of adjoining sides.

1,482,728. SATCHEL CLIP. ROSE F. BRACCO, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,611. 2 Claims. (Cl. 150—29.)



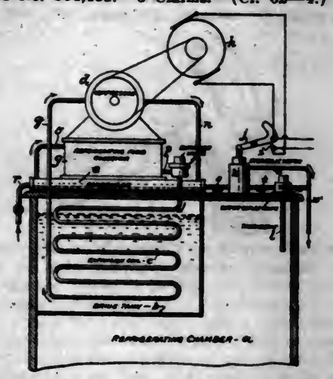
1. The combination with a shopping bag of a clip, a chain extending from said clip for projection through the material of the bag, and a member within the bag for engagement with the projecting end of said chain.

1,482,729. BRAKING MECHANISM FOR WHEELED VEHICLES. HENRY C. BUCHWALD, Baltimore, Md. Filed Dec. 21, 1920. Serial No. 432,180. 5 Claims. (Cl. 188—90.)



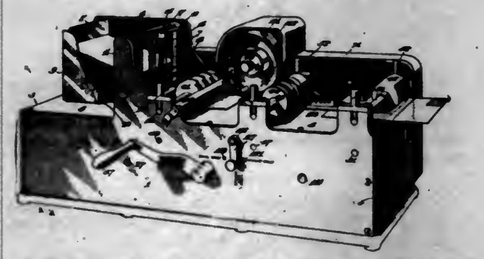
1. A combination with a wheel, of a clutch member secured thereto, a cooperating clutch member, means for engaging said members, a cylinder, an imperforate piston in said cylinder, an eccentric driven by said second named member for reciprocating said piston, a passage from said cylinder to the atmosphere and a valve in said passage.

1,482,730. REFRIGERATING SYSTEM. ROBERT A. BURFORD, Jr., Birmingham, Ala. Filed Aug. 26, 1922. Serial No. 584,431. 6 Claims. (Cl. 62—4.)



1. A refrigerating system having a compressor, an electric motor for driving the compressor, an electric switch for controlling the current for the electric motor, a cooling fluid supply for the system, a valve for controlling the flow of fluid through the system, a temperature actuated device for opening and closing the valve, a fluid pressure actuated motor for opening and closing the switch actuated by the cooling fluid, and an automatic valve for controlling the admission of fluid to and exhaust from the pressure motor arranged to be actuated by the cooling fluid to cause the fluid pressure motor to close the electric switch when cooling fluid is passing through the system and to open the switch when the fluid control valve is closed.

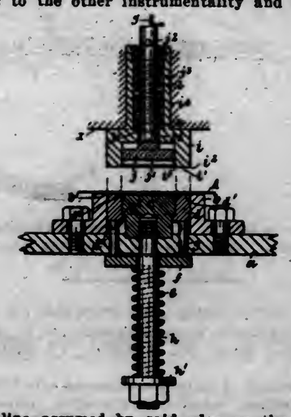
1,482,731. STAMP-AFFIXING AND ENVELOPE-SEALING MACHINE. HARRY J. BUAH, New Hartford, N. Y., assignor to Postcraft Company, Inc., Utica, N. Y., a Corporation of New York. Filed Aug. 19, 1920. Serial No. 404,645. 15 Claims. (Cl. 216—3.)



1. In a machine of the character described, a stamp affixing mechanism, an envelope sealing mechanism including a flap moistening device, means for feeding envelopes through said mechanism and manually operated means for switching the envelope flaps around the moistening device at pleasure.

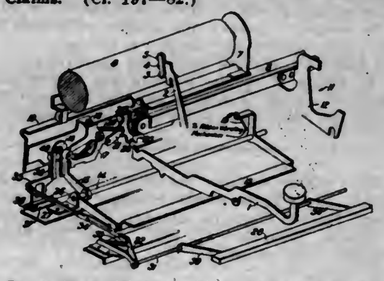
1,482,732. APPARATUS FOR FORMING SHEET-METAL CAPS. AMOS CALLESON, Brooklyn, N. Y. Filed Aug. 15, 1922. Serial No. 581,963. 2 Claims. (Cl. 113—46.)

1. Apparatus for forming from a disk a cap with its edge deflected including a pair of opposed substantially concentric instrumentalities for clamping the disk with a slip-grip in a line substantially concentric with its edge, means coactive with said clamping instrumentalities while they are so clamping the disk to draw the latter into one of said instrumentalities into the form of a cap having its edge withdrawn from between them and left projecting at an angle to the plane originally occupied by the clamped disk, a die having its die surface inward of and extending along a line substantially concentric to the other instrumentality and in registry



with the line assumed by said edge as thus left projecting and in cross-section presenting obliquity to said edge, and means after the cap is formed to effect movement as between it and the die one relatively to the other, whereby on account of the obliquity of said die surface to said edge the latter will wipe over the same during such movement and be thereby altered in diameter.

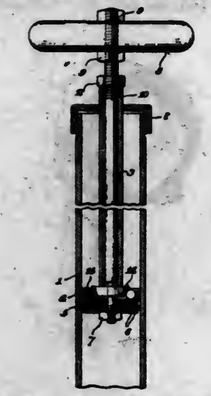
1,482,733. TYPEWRITING MACHINE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 11, 1920. Serial No. 409,584. 7 Claims. (Cl. 197—82.)



2. In a typewriting machine the combination of a case-shift frame, a movable carriage, printing devices, a universal bar independent of said case-shift frame and actuatable by said printing devices, ribbon-vibrating mechanism connected to said universal bar, carriage-escapement mechanism including a dog-rocker mounted on, and movable with, said case-shift frame, an actuator to be operated to engage said dog-rocker directly and operable by said universal bar, a space-bar, and a separate connection between said space-bar and said dog-rocker, said connection comprising a second actuator to engage said dog-rocker directly to enable the latter to be operated independently of said ribbon-vibrating mechanism.

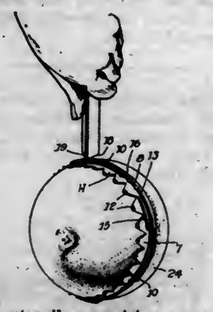
1,482,734. PUMP. CLAUDE C. CARROW, Philadelphia, Pa. Filed Mar. 16, 1921. Serial No. 452,702. 2 Claims. (Cl. 74—109.)

1. In a pump having a cylinder, the combination of a cup-shaped expandible valve washer disposed in the cylinder, a plunger extending through the washer and outside of the cylinder, means carried by the plunger and contacting with the outer face of the washer to afford support thereto, a split ring disposed within the washer, a conical adjusting disk disposed on the plunger and adapted to enter the ring, a sleeve surrounding and longitudinally movable relatively to the plunger, and means disposed outside of the cylinder for effecting relative movement between the sleeve and the plunger to



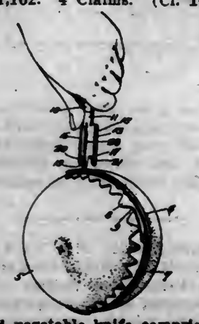
force said disk into the ring to expand the washer against the wall of the cylinder.

1,482,735. KITCHEN UTENSIL. JAMES CATSULES, West Hoboken, N. J., assignor of one-half to Rudolf Feiser, West Hoboken, N. J. Filed Apr. 18, 1923. Serial No. 632,910. 7 Claims. (Cl. 146—203.)



1. A kitchen utensil comprising an expansible ring adapted to fit about an article of food and having a fancy edge, and a knife having an edge conformable with respect to the edge of said ring and adapted to be driven down radially into the fruit guided by the fancy edge of the ring.

1,482,736. FRUIT AND VEGETABLE KNIFE. JAMES CATSULES, West Hoboken, N. J. Filed Oct. 27, 1923. Serial No. 671,162. 4 Claims. (Cl. 146—3.)



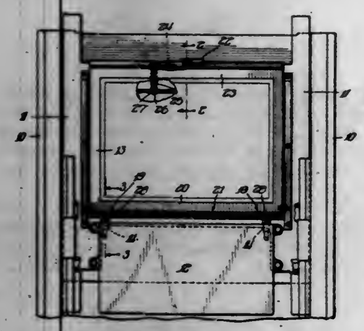
1. A fruit and vegetable knife comprising a web, side wings and outturned flanges, said web, wings and flanges having projecting prongs with sloping sharpened surfaces.

1,482,737. TIRE ALARM. HAL H. CLARKE, Cherokee, Okla. Filed Jan. 19, 1923. Serial No. 613,654. 5 Claims. (Cl. 116—34.)



3. A tire alarm, including a vibratory sounding plate, a sounding box associated therewith, means to affix the same to the tire rim, a secondary element adapted to be placed against a tire, means to adjust the same to right position, means carried in conjunction with the secondary means for actuating the sounding plate to cause distortion thereof and create a sound to be transmitted to the sounding box.

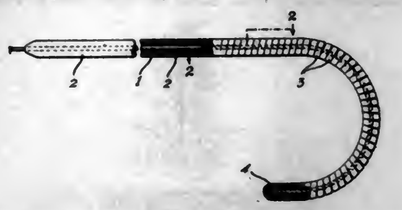
1,482,738. CHASE MOUNTING. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1922. Serial No. 555,954. 5 Claims. (Cl. 101—390.)



1. In a printing press, the combination of a support, a chase, a jack stud adjustably mounted in said support and on which said chase is mounted whereby the latter may be adjusted, and means for yieldably locking said chase whereby the latter may be adjusted while it is locked.

1,482,739. TEMPLE FOR SPECTACLES AND THE LIKE. GEORGE H. DU PAUL, Southbridge, Mass., assignor to Du Paul Young Optical Co., Southbridge, Mass., a Corporation of Massachusetts. Filed July 7, 1923. Serial No. 650,003. 3 Claims. (Cl. 88—52.)

1. A temple for spectacles and the like comprising a metal core having a relatively straight shank portion and a loop portion, and a non-metallic covering for said core consisting of a single tubular member having a flexible loop covering portion coextensive with a helically



disposed cut extending through the wall thereof, one end of said covering having the free end of the loop embedded therein.

1,482,740. CATALYZER AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J. Filed May 27, 1918. Serial No. 236,660. 17 Claims. (Cl. 23—28.)

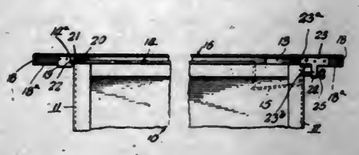
1. The process of making a catalyzer which consists in mixing solutions containing equivalent proportions of nickel sulphate and a soluble formate capable of reacting therewith, in evaporating to dryness and in heating the dried product to about 240° C.

1,482,741. DENTIFRICE MATERIAL. PAUL MILLER GIEST, Plainfield, N. J., assignor to E. R. Squibb and Sons, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,832. 3 Claims. (Cl. 167—9.)

1. A dentifrice material containing sodium biborate and sodium chloride in proportion so that when 185 parts by weight of the dentifrice is dissolved in 10,000 parts by weight of water a 1% solution of sodium biborate in a physiological salt solution is formed.

3. A dentifrice material containing approximately 100 parts by weight of sodium biborate and approximately 85 parts by weight of sodium chloride in tablet form adapted to be dissolved in water to provide a wash.

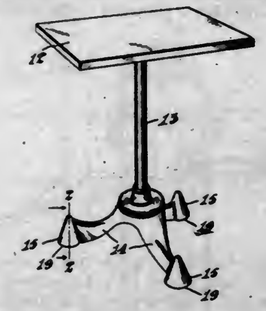
1,482,742. COMBINATION WASHING MACHINE AND TABLE. JOHN F. GILCHRIST, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1921. Serial No. 510,938. 2 Claims. (Cl. 45—31.)



1. A table top adapted for detachable engagement upon a support, said table top comprising a flat plate with depending side and end flanges, pairs of opposing blocks attached to the inner faces of said side flanges at points spaced to span the top of said support, one pair of blocks being provided with recesses for detachable engagement with a fixed part at one end of the support, and adjusting screws to engage said support carried by the other pair of blocks.

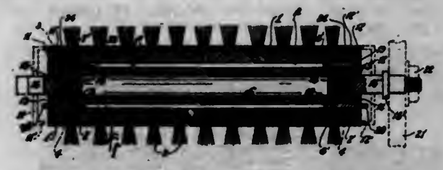
1,482,743. SAFETY PEDESTAL. CHARLES R. GROVER, Nashua, N. H. Filed Aug. 23, 1923. Serial No. 658,963. 1 Claim. (Cl. 45—137.)

A pedestal having its feet provided with hooded roller-bearing casters, edge portions of the hoods extending nearly to the plane of the floor-engaging surfaces of the casters, said pedestal being characterized by the fact that when it is tilted, edge portions of the hoods engage



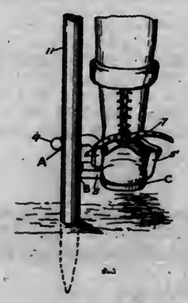
the floor before the pedestal reaches an inclined position that would permit gravity to cause it to fall.

1,482,744. BRUSH. WILLIAM H. HEFFERNAN, North Adams, Mass., assignor to Heffernan Brush Company, Inc., Adams, Mass., a Corporation of Massachusetts. Filed May 12, 1921. Serial No. 468,845. 7 Claims. (Cl. 15—179.)



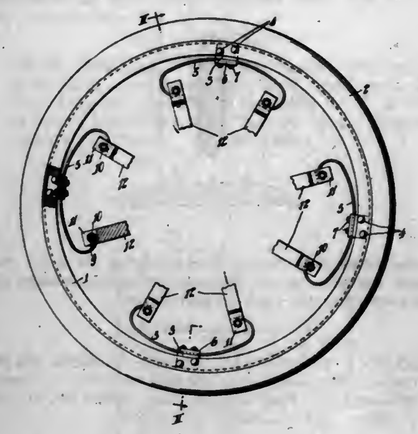
4. In a device of the kind described, the combination, of a bristle carrying member, a tubular shaft member extending through the said member, plates at the ends of said member having threaded openings therethrough, threaded bearing parts for supporting the shaft member and located in the threaded openings of the plates, and means for securing the parts in the openings.

1,482,745. POLE-SETTING DEVICE. GILLMANN ALBERT HEID, Goble, Oreg. Filed Jan. 22, 1923. Serial No. 614,170. 3 Claims. (Cl. 254—1.)



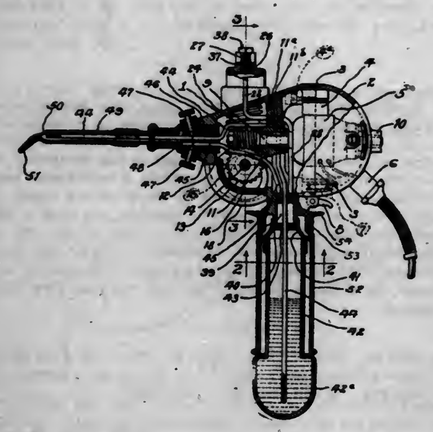
1. A pole-setting device comprising a stirrup having thereon integral vertical members positioned apart to receive and retain the human foot between them, also having an integral double angled gripper near one end, the outer free arm of said gripper extending above and parallel with the opposing stirrup end for a suitable distance to allow a pole to be engaged between said end and gripper arm.

1,482,746. SPRING WHEEL. MILTON H. HEINICKE, Port Ivory, N. Y. Filed Feb. 20, 1923. Serial No. 620,253. 9 Claims. (Cl. 152—49.)



1. A spring wheel comprising, a felly, spokes, and semi-elliptic springs provided with scrolls at each end connecting the felly and spokes.

1,482,747. SPRAYING OUTFIT. FRANK MORGAN HOWE, New York, N. Y. Filed Nov. 26, 1921. Serial No. 518,003. 12 Claims. (Cl. 299—89.)

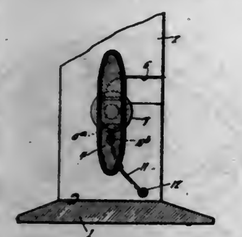


1. A hand portable machine comprising a casing having a depending handle, a motor mounted in said casing at one side of the axis of said handle, and an air compressing mechanism mounted in said casing at the other side of said handle.

1,482,748. DISPLAY STAND FOR BELTING AND LIKE MATERIALS. JAMES G. JOHNSTON, Jr., Chicago, Ill., assignor to Warren Featherbone Company, Three Oaks, Mich., a Corporation of Michigan. Filed Apr. 8, 1921. Serial No. 459,579. 4 Claims. (Cl. 211—18.)

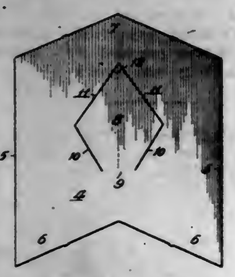
1. In a device of the character described, the combination of a frame, a spindle journalled in said frame and

capable of removal therefrom, and a yieldable member surrounding a grooved portion of said spindle, and con-



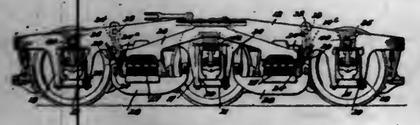
nected with said frame, thereby acting to exert frictional resistance to the free rotation of said spindle, and for connecting the same to said frame.

1,482,749. TOILET-SEAT COVER. ARTHUR JULINE, Chicago, Ill., assignor of one-half to Oliver C. Dennis, Wilmette, Ill. Filed July 16, 1919. Serial No. 311,127. 1 Claim. (Cl. 4—243.)



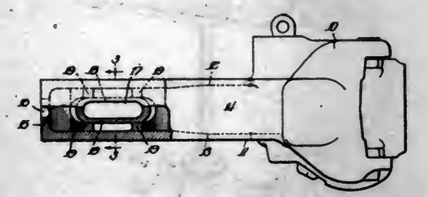
A toilet seat cover consisting of a thin flexible sheet having substantially parallel side edges, a central hole to fit over the hole in the seat and its front and rear edges conformably V-shaped, so that it can be formed by consecutive V-shaped cross cuts from a continuous web, the rear edge having the apex of the V at the center of the sheet to cover the central portion of the back of the seat, the front portion having the apex of the cut at the center of the sheet so as to leave flaps at the front corners of the sheet which will depend downwardly and cover the front portions of the seat adjacent the sides thereof.

1,482,750. SIX-WHEEL TRUCK. WILLIAM F. KIESEL, Jr., Altoona, Pa. Filed Nov. 25, 1922. Serial No. 603,204. 11 Claims. (Cl. 105—195.)



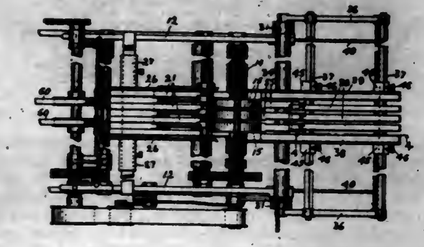
1. In a six-wheel truck, in combination, a pair of one piece side frames each having three pairs of pedestals receiving the journal boxes, and transverse rods connecting said frames being secured to said frames between the center and outer pedestals, said rods having sufficient flexibility to permit said frames to move out of alignment when required by irregularities of the track, the end portions of said frame being unconnected.

1,482,751. COUPLER. EDMUND P. KINNE, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 5, 1922. Serial No. 592,520. 3 Claims. (Cl. 213—62.)



1. A coupler having a hollow shank with a key-hole therein, there being a wall of metal entirely surrounding the key-hole, and a plurality of reinforcing portions extending in the same direction between said wall and the opposite outer walls of the shank for reducing the set therein and preventing reduction in the length of the key-hole longitudinally of the shank under compressive forces.

1,482,752. BLANK FEEDER. LEON E. LA BOMBARD, Chelsea, and MELVIN H. SIDEBOTHAM, Cliftondale, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Feb. 6, 1920. Serial No. 356,702. 15 Claims. (Cl. 271—39.)



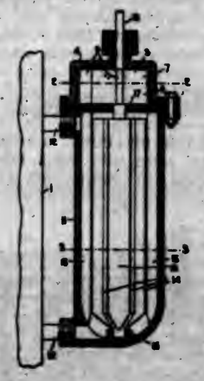
1. In mechanism of the character described, a blank hopper, a combing wheel for forwarding blanks from the hopper, a retard and a support therefor in proximity to said wheel, means for adjusting the angle of said support relatively to the wheel, and means for adjusting the retard longitudinally in a straight line upon its support.

1,482,753. ENDLESS-RIBBON CARRIER AND FEED MECHANISM. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1919. Serial No. 346,122. 8 Claims. (Cl. 197—151.)



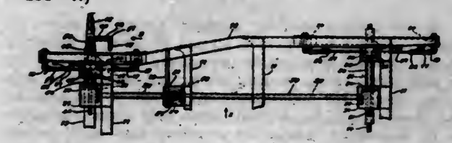
1. In combination, a paper support, a roller; a guide roller; said rollers being adapted for carrying a ribbon in front of the support; a loosely mounted drive shaft laterally movable relative to the guide roller; a friction device on the shaft; and a yieldable means engaging the drive shaft for pressing the friction device against the ribbon on the guide roller.

1,482,754. LIQUID-FEED REGULATOR. MYRON PENN LAUGHLIN, Lowell, Mass. Filed Aug. 7, 1920. Serial No. 402,012. 9 Claims. (Cl. 137—101.)



1. In a liquid level controller, the combination with a container, of a conduit to supply liquid thereto, a movable device in the conduit which permits liquid to flow through the conduit when said device is moving, and means for varying the rate of movement of said device in accordance with variations in the liquid level in the container.

1,482,755. LUBRICATING SYSTEM FOR AUTOMOBILES. EDWARD W. LEECH, Jr., Baltimore, Md. Filed Apr. 6, 1921. Serial No. 458,921. 4 Claims. (Cl. 184—7.)



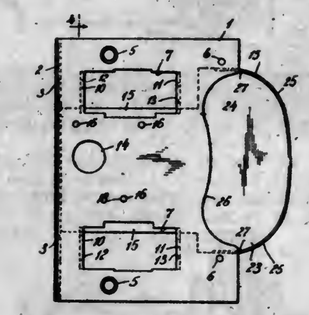
4. In a lubricating system, the combination of a plurality of casings connected to a plurality of parts to be lubricated and lubricant in said casings, of means in said casings for forcing said lubricant to said parts, flexible shafts each having one end connected to one of said means for operating same, gears connected to the other ends of said flexible shafts, unitary operating means and connections from said operating means to said gears.

1,482,756. BALL-AND-SOCKET JOINT. BENJAMIN LIEBOWITZ, New Rochelle, N. Y. Filed Nov. 14, 1921. Serial No. 514,867. 5 Claims. (Cl. 287—90.)



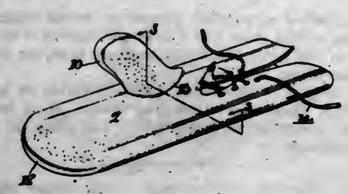
2. A ball and socket joint comprising a casing having a bore, a socket piece slidably fitting in the bore, a spring in the bore pressing against said socket piece, a second socket piece secured to the exterior of the casing and having an external spherical surface, a ball inclosed by the combined socket pieces and having a shank projecting through an opening in the second socket piece, and a gasketed sleeve encompassing the external spherical surface of said second socket piece.

1,482,757. VEHICLE DOOR-LOCK CASING AND COVER. CARL MACK, Long Island City, N. Y., assignor to Mack Lock Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Jan. 17, 1923. Serial No. 613,175. 4 Claims. (Cl. 292—337.)



4. A door-lock casing and cover therefor, comprising a main front plate provided with a door lock-style flange having bolt-receiving holes and bolt-bearing lugs, a cover mounted on said casing with a space between the two, the inner end of said cover overhanging the inner end of said casing and provided at its inner edge with a rim provided at its ends with counter-sinks for receiving the adjacent edge of said casing to bring the two parts flush with each other.

1,482,758. MITTEN AND METHOD OF MAKING SAME. JAMES E. MCFARLAND, Lamont, Nebr. Filed Sept. 11, 1922. Serial No. 587,485. 5 Claims. (Cl. 18—56.)

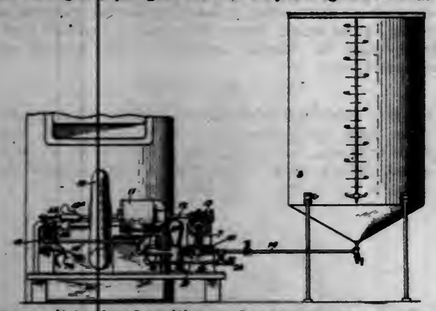


1. The method of manufacturing a mitten which comprises cutting an appropriate length from an inner tube of an automobile tire, shaping the end thereof, applying a thumb piece thereto, applying a fabric lining, and vulcanizing the same to produce a substantially unitary article.

1,482,759. APPARATUS FOR BURNING OIL. SIDNEY E. MEYERS, Buffalo, N. Y., assignor to George W. Smith, Buffalo, N. Y. Filed Nov. 7, 1921. Serial No. 513,291. 16 Claims. (Cl. 158—36.)

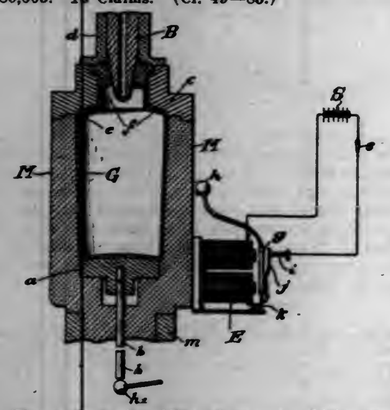
1. In an oil burning apparatus, the combination with a burner, means for supplying oil to said burner, and means for supplying air to said burner, and having an operating shaft, of means for maintaining the oil and air supplied to said burner in a determined ratio and including a valve arranged in the oil conduit between the oil supply means

and the burner and adapted to open said conduit to greater or less degree, spring means normally acting on said valve



to move it to closed position, and governor means for automatically controlling the position of said valve in accordance with the speed of said operating shaft.

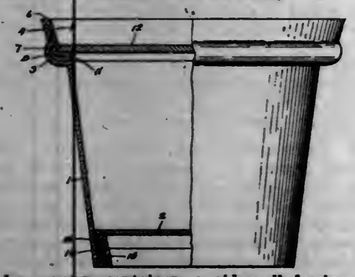
1,482,760. METHOD OF MOLDING GLASSWARE. JOHN A. MILLIKEN, Bayonne, N. J., assignor to John E. Marsden, Philadelphia, Pa. Filed Aug. 9, 1922. Serial No. 580,603. 13 Claims. (Cl. 49—85.)



1. The method of molding glassware, which comprises introducing molten glass into a mold and causing it to take the form of the mold, and simultaneously applying to the mold a succession of blows.

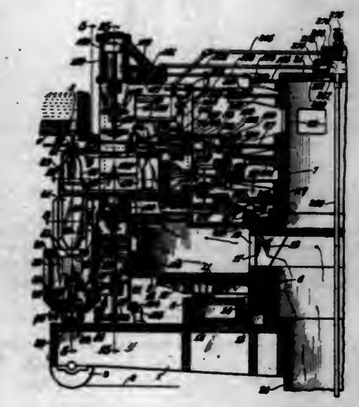
9. The method of producing a smooth finish on glassware, which comprises introducing molten glass into a mold, and vibrating the mold while the glass is in a plastic condition.

1,482,761. PAPER CONTAINER. ARLINGTON MOORE, Boston, Mass. Filed Mar. 23, 1921. Serial No. 454,768. 10 Claims. (Cl. 229—5.6.)



1. In a paper container, a side-wall having a re-inforced neck formed from a continuation of the stock thereof, and comprising inner and outer cap-retaining portions, oppositely folded inner and outer rim-portions extending from one to the other of said cap-retaining portions, and a terminal portion extending reversely from said inner cap-retaining portion between the same and said outer cap-retaining portion and terminating adjacent said rim portions, the folds forming said rim portions being consolidated with each other, and the inner and outer cap-retaining portions being consolidated with said terminal portion.

1,482,762. GLASS-SHAPING MACHINE. THOMAS C. MOORSHEAD, Alton, Ill. Filed July 26, 1918. Serial No. 246,879. 70 Claims. (Cl. 49—5.)

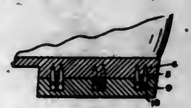


46. In a glass shaping machine having a source of supply adapted to deliver a stream of glass, a traveling frame, a mould mounted for movement with and relative to said frame, glass shaping mechanism mounted on said frame, means for maintaining said mold in the path of the glass stream to be filled, while said frame continues in its movement, means for elevating said mold, means for moving the filled and elevated mold into cooperative relation with said shaping mechanism, and means for returning said mold to a depressed position, laterally of said shaping mechanism

62. In a glass shaping machine having a source of supply adapted to deliver a stream of glass, a mold mounted for movement into and out of the path of the glass stream, and means movable with said mold, adapted to retain the cut part of the stream flowing into the mold against lateral movement.

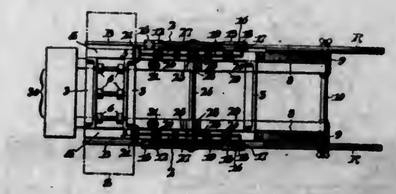
70. In a glass shaping machine having a source of supply adapted to deliver a stream of glass to a mold, a pair of cooperating cutting elements having downwardly projecting ledges spaced from their cutting edges, adapted to retain the cut part of the stream upon movement of the mold.

1,482,763. FASTENER. JOHN E. O'NEILL, Bronxville, N. Y. Filed Aug. 15, 1922. Serial No. 581,947. 7 Claims. (Cl. 36—36.)



1. In combination, an integral pronged base and a bifurcated projecting portion, a base into which said pronged portion projects, an attachment having a hole into which said bifurcated portion projects, and a rod projecting laterally through said attachment and said bifurcated portion.

1,482,764. PACKAGE-BINDING MACHINE. GEORGE RITTER, Perth Amboy, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Jan. 31, 1920. Serial No. 355,425. 11 Claims. (Cl. 100—31.)



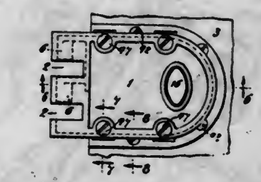
1. A machine of the character described, comprising means for supporting a package to be bound to permit the end portion of a binding strand to be wrapped about the package; means for holding said strand fast at a point intermediate the supply and said package; and means for engaging the strand and taking up on it, to draw it tight about the package, between the point where it is held fast as aforesaid and the package.

1,482,765. MOLDED ARTICLE. JOHN B. SANBORN, Evanston, Ill., assignor to Associated Trading Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 20, 1922. Serial No. 555,705. 9 Claims. (Cl. 16—121.)



1. A molded article having therein a recess to receive an attaching member and an abutment within said recess against which the member may be driven to effect clenching of the latter for securement within said article.

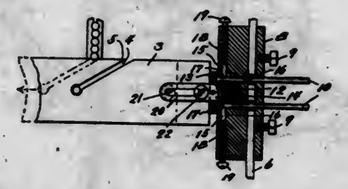
1,482,766. ADJUSTABLE LOCK CASING. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 7, 1921. Serial No. 459,258 15 Claims. (Cl. 70—46.)



1. In a lock, a casing mounted on a support, a locking bolt mounted in said casing, an actuator for actuating said locking bolt and means connected to said actuator and extending through a wall of said casing and adapted to cause said actuator to function, said actuator being adapted to permit of the adjustment of the relative positions of said casing and said connecting means while retaining the connection between said means and actuator.

1,482,767. TACK-FEEDING APPARATUS. JOSEPH SHLIEKR, Haverhill, Mass. Filed May 11, 1923. Serial No. 638,206. 5 Claims. (Cl. 1—6.)

2. In a machine of the character described, a frame having a declining tack raceway therein and a tack separator reciprocally movable transversely of the raceway at its lower end, a striker movable between striking and a retracted position, a spring arranged to actuate the striker to jar the raceway when released, means controlled by the movement of said separator to move the striker to its retracted position during the operative



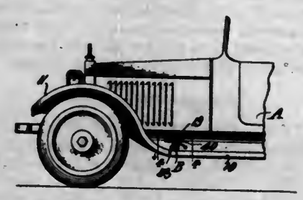
movement of the separator, means to retain the striker in its retracted position against the spring action thereon during the return movement of the separator and means to release said striker at the end of said return movement.

1,482,768. PEDAL ATTACHMENT. BUDD E. SLADE, Cheyenne Wells, Colo. Filed June 16, 1923. Serial No. 645,846. 1 Claim. (Cl. 74—81.)



A pedal attachment of the class described including a bar, a pair of rigid jaws on the bar, and a bendable rod attached intermediate its ends to the bar and adapted to form jaws all in the manner and for the purpose specified.

1,482,769. MUD-GUARD LIGHT. WILLIAM H. SUTTON, Eugene, Oreg. Filed Jan. 11, 1923. Serial No. 612,044. 2 Claims. (Cl. 240—7.)

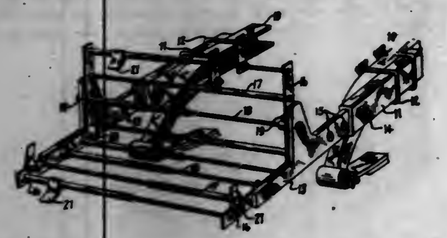


1. A light attachment for motor vehicles for casting rays of lights laterally and rearwardly of a motor vehicle including a casing, having transparent side and rear walls, an L-shaped reflector in the casing, electric lamps carried by the L-shaped reflector, and a pivoted opaque cover for the casing for preventing the casting of light rays upwardly.

1,482,770. LUGGAGE CARRIER FOR MOTOR VEHICLES. SAM TERRELL, Detroit, Mich., assignor of one-third to Charles B. Jackson, Detroit, Mich. Filed July 26, 1922. Serial No. 577,561. 2 Claims. (Cl. 224—29.)

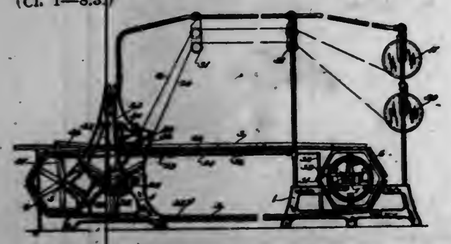
1. In a motor vehicle having side frame members, a luggage carrier comprising a pair of longitudinally extensible side members adapted to be detachably secured to the side frame members of the vehicle to extend rearwardly thereof, said side members held in spaced apart relationship by transversely-extending longitudinally-adjustable reach

rods, a luggage rack supported on said reach rods comprising a bottom section and a back section, said rack



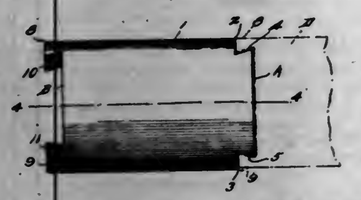
adjustable lengthwise on said rods and provided with means for being releasably secured at adjusted positions thereto.

1,482,771. MACHINE FOR USE IN MAKING BOXES. OSCEOLA C. THOMPSON, Rockaway, N. J., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Dec. 16, 1920. Serial No. 431,133. 19 Claims. (Cl. 1—8.3.)



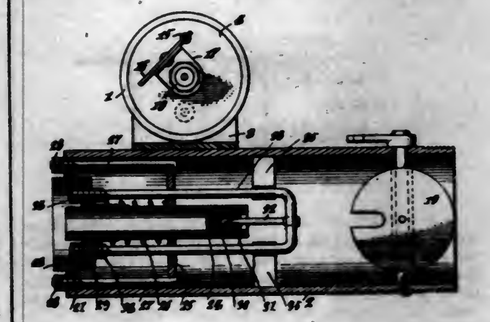
19. A machine for use in making wirebound boxes comprising, in combination, an endless work-holder to receive and position box parts; binding-wire-applying means including fastener-setting mechanism; means to feed said work-holder in steps of varied length to locate fasteners at selected points in the work comprising a motion imparting device adapted to propulsively engage notches formed in the work-holder relative to the selected fastener-receiving points in the work, said feeding means operating without interruption to feed the endless work-holder through a plurality of uniform cycles.

1,482,772. CONCRETE-PIPE JOINT. HAROLD M. TSCHIRGI, Independence, Iowa. Filed Feb. 24, 1923. Serial No. 620,935. 2 Claims. (Cl. 285—143.)



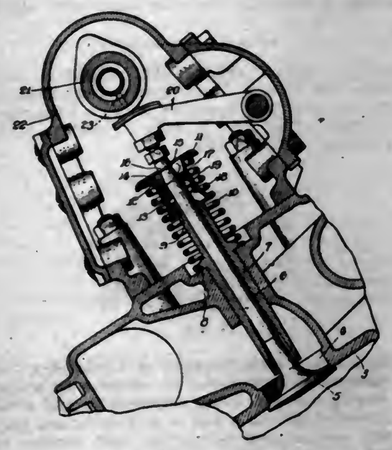
1. A pipe section of the class described including a body, a pair of diametrically opposed trapezoidal tenons projecting from one end, one of said tenons being smaller than the other, the other end of said body being provided with a pair of diametrically opposed mortices, aligned at right angles to the alignment of the tenons and one of the mortices being smaller than the other, the said mortices being trapezoidal in shape, the ends of the larger tenon and mortice being provided with sides converging toward the center of the body and the smaller tenon and mortice being provided with parallel sides.

1,482,773. CARBURETOR. ELZA L. WALTERS, Anderson, Ind. Filed Apr. 11, 1919. Serial No. 289,226. 1 Claim. (Cl. 261—50.)



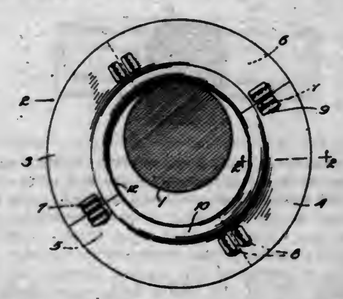
In a carburetor, a mixing tube having an air opening, an air tube, means for supplying fuel to the air tube, a fuel regulating valve, a valve seat adjustable in the air opening, an air valve seated on the valve seat and mounted on the air tube, an expansible helical spring mounted on the air tube and holding the air valve seated, a bridge for supporting the air tube and engaging one end of the spring, means for adjusting the bridge to vary the tension of the spring and means adjustably connecting the air and fuel valves and adapted to be guided in its movement by said bridge.

1,482,774. VALVE MOUNTING. CHILDE HAROLD WILLS, Marysville, Mich. Filed Nov. 3, 1920. Serial No. 421,551. 8 Claims. (Cl. 251—132.)



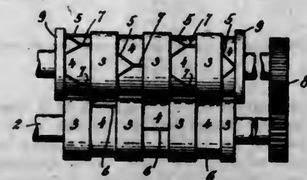
8. A valve stem, a valve spring retaining annulus associated therewith, means adapted to retain the stem and annulus in predetermined relation and a washer interposed between the stem and annulus and adapted to prevent passage of oil, a valve stem guide surrounding the valve stem, a depending skirt portion of the annulus overlapping the outer end of the guide, the outer end of the guide being beveled, the bevel being such that an acute angle is formed adjacent the valve stem adapted to shear excess oil from the stem during its reciprocation.

1,482,775. SHAFTING CLEANER. LUCIEN I. YEOMANS, Chicago, Ill., assignor to Pioneer Production Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1920. Serial No. 421,871. 9 Claims. (Cl. 64—29.)



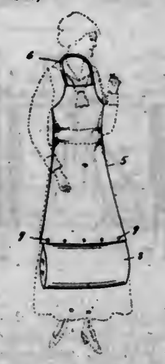
1. In a device of the class described, a body portion having an opening through which a shaft is adapted to extend, a fibrous surface surrounding said opening, said surface being adapted for wiping engagement with the shaft to clean the same upon rotation thereof.

1,482,776. SHINGLE MACHINE. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Feb. 19, 1921. Serial No. 446,419. 2 Claims. (Cl. 164—28.)



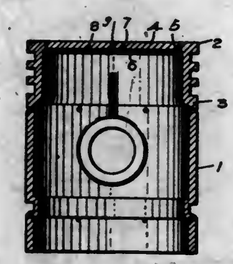
1. In a shingle machine, a pair of rolls each having alternating zones of different diameters respectively, each roll carrying cutting-dies circumferentially of the zones of lesser diameter, the rolls being arranged with the zones of greater diameter of one in alinement with the zones of lesser diameter of the other.

1,482,777. APRON. IDA M. BECTON, East Rutherford, N. J. Filed Aug. 15, 1923. Serial No. 657,510. 5 Claims. (Cl. 2—54.)



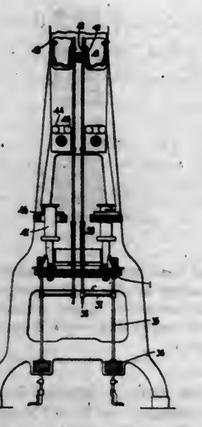
1. An apron, combined with a cushion attached thereto and relatively located to support both knees of a wearer when in a kneeling position.

1,482,778. INSULATING HEAD FOR PISTONS. GERSHON BOWMAR, Toronto, Ontario, Canada. Filed Aug. 3, 1922, Serial No. 579,469. Renewed Nov. 6, 1923. 2 Claims. (Cl. 74—108.)



1. In a piston, a head having the central portion located within the side walls of the piston removed to form a separate disc having its exterior edge slightly spaced apart from the body of the piston, and a cupped member having its wall inserted between the disc and the body of the piston so that the parts may be electrically welded together.

1,482,779. STOP MOTION. EDWARD E. BRADLEY, Stonington, Conn., assignor to Atwood Machine Company, Stonington, Conn., a Corporation of New Jersey. Filed Aug. 26, 1922. Serial No. 584,427. 22 Claims. (Cl. 118—6.)

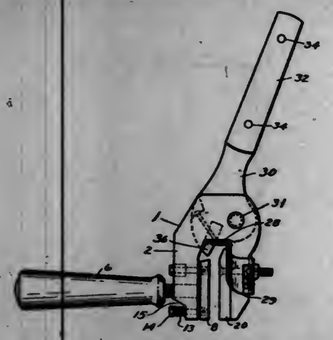


1. A spindle driving belt, a stationary brake, a laterally movable spindle normally held away from the brake and in contact with the belt, and stop-motion controlled means for automatically moving the spindle away from the belt into engagement with the brake.

1,482,780. SAW SET. PETER A. BUGGE, Seattle, Wash. Filed Jan. 3, 1922. Serial No. 526,528. 4 Claims. (Cl. 76—63.)

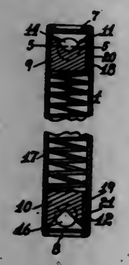
4. A device of the type described embodying an inverted U shaped casing the vertical legs of which form jaws between which a saw may be clamped; a lever pivotally mounted in the upper side of the casing with a projection on its lower end; plates on the inside of each of the jaws of the casing; bolts and springs suitably arranged to support one of these plates and hold it against the inner surface of the casing; a screw in a threaded hole in the casing behind the center of this plate; a bolt in a slotted hole in the opposite side of the casing for supporting the other of said plates on this

side; a washer under the head of the bolt with lugs on it to fit into notches in the side of the casing; and a guard with a slot in one side and a hole in another side,



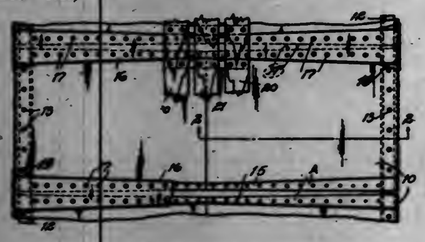
which guard has flanges in the upper side which project over the center of the space between the two plates on the inside of the jaw of the casing.

1,482,781. BOOK-LOCKING DEVICE. CHARLES L. BLODGETT, Alameda, Calif., assignor of one-half to Mary L. Larsen, Oakland, Calif. Filed Aug. 16, 1920. Serial No. 403,888. 3 Claims. (Cl. 129—24.)



1. A locking post including a hollow member, inwardly projecting flanges at the ends thereof, latches slidably mounted in the member, means whereby said latches are normally urged outwardly, said flanges serving as stops for the latches.

1,482,782. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed June 30, 1922. Serial No. 572,064. 7 Claims. (Cl. 108—5.4.)



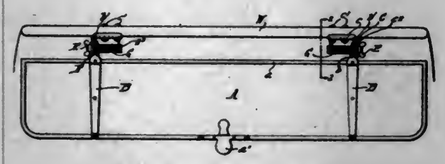
1. A rigid car roof comprising metal roof sheets whose adjacent marginal portions are spaced apart and provided with upstanding flanges, and cap strips connecting the spaced upstanding flanges of adjacent sheets and positively secured thereto to form hollow upstanding seams or joints.

1,482,783. PAPER BAG. DONAT F. BOUCHER, Northbridge, Mass. Filed Mar. 7, 1922. Serial No. 541,783. 1 Claim. (Cl. 229—62.)



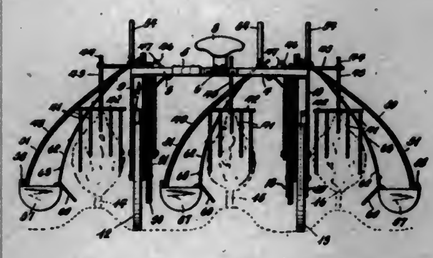
In a packaged article, a container of flexible material having an integral tab formed on one side of the mouth thereof and of equal width thereto, said tab being of approximately double the front to rear dimension of the container and being doubled upon itself within the mouth of the container the outwardly facing part of the tab having a coating of glue applied thereto, the lip on the opposite side of the mouth being glued down upon this outwardly facing part of the tab.

1,482,784. HINGE FOR VEHICLE VISORS. HENRY R. CHURCHILL, Buffalo, N. Y. Filed June 29, 1922. Serial No. 571,826. 2 Claims. (Cl. 296—95.)



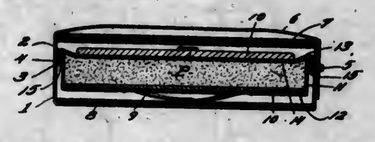
1. The combination with a vehicle and a visor therefor, of a friction hinge connecting the visor with a stationary part of the vehicle, and including a relatively stationary part secured to a fixed part of the vehicle and a movable part secured to said visor, a friction washer interposed between said hinge parts, a pivot bolt connecting said parts and having an elongated portion terminating in a head, and a coil spring on said elongated portion held in place by said head, said coil spring having arms engaging said stationary and movable hinge parts to exert an upward pressure on said movable hinge member to counteract the weight of said visor.

1,482,785. COTTON-BOLL-WEEVIL EXTERMINATOR. CHARLES R. COOLIDGE, Helena, Ark. Filed July 5, 1922. Serial No. 572,905. 11 Claims. (Cl. 43—141.)



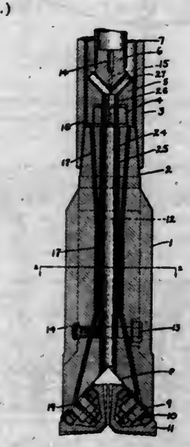
1. A machine of the character described comprising a wheeled frame, fan mechanism disposed in said frame, means for driving said fan mechanism, means for adjusting said fan mechanism substantially vertically within the frame, and striker mechanism disposed in said frame laterally of said fan mechanism and directly in advance thereof.

1,482,786. VANITY BOX. CARROLL E. DODSON, Kansas City, Mo. Filed July 2, 1923. Serial No. 648,888. 3 Claims. (Cl. 132—83.)



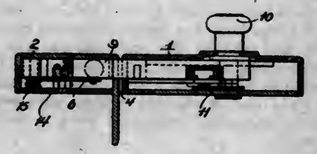
1. A vanity box, a powder container in said box, comprising a wall having its lower edge inturned, a follower bottom resting on said inturned edge, a screen closing the upper end of said wall, a clamp ring encircling the upper edge of the wall and clamping said screen in position.

1,482,787. EARTH-BORING DRILL. HAROLD W. FLETCHER, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Sept. 13, 1920. Serial No. 410,035. 7 Claims. (Cl. 255—71.)



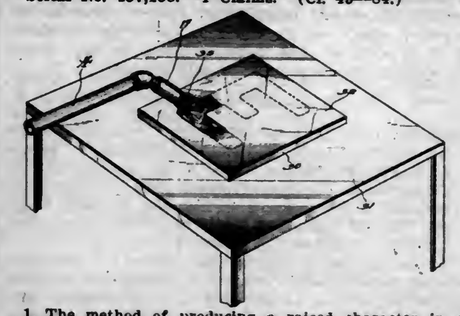
1. In a rotary earth boring drill, the combination of a longitudinally divided head, cutters on the forward end thereof, reaming rollers mounted in a recess extending diametrically through said head, a removable water course mounted in grooves in the meeting faces of said divided head and extending longitudinally through said recess, and a collar at the upper end of said head having channels connecting with said removable water course.

1,482,788. LOCK. JOHN B. FREYSINGER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed June 2, 1922. Serial No. 565,334. 2 Claims. (Cl. 70—15.)



1. In a lock, the combination of a lock casing having socketed ears at one end, a keeper having a part to enter the space between said ears, spring retracted dead-locking bolts mounted within said keeper, and a main bolt mounted in the lock casing and cooperable with the dead-locking bolts in the keeper to force said dead-locking bolts into dead-locking relation to the socketed ears on the lock casing.

1,482,789. METHOD OF MAKING GLASS LETTERS. EUGENE C. GMELIN, Chicago, Ill. Filed Mar. 30, 1921. Serial No. 457,158. 4 Claims. (Cl. 49—84.)

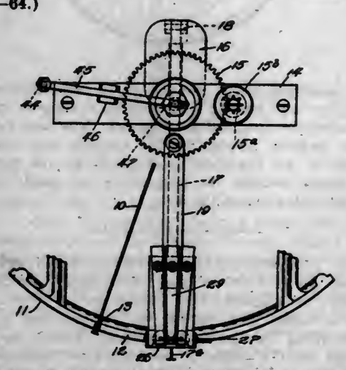


1. The method of producing a raised character in a sheet of glass, which includes the providing of a die having on its surface a depression corresponding to the character to be formed, the placing of a sheet of glass on the die to cover such depression, and the applying of a flame from a blow-torch downwardly and directly on to the portion of said glass over such depression and with such pressure as to heat, soften, and force said glass mainly thereby into such depression.

1,482,790. ILLUMINATED SIGN. EUGENE C. GMELIN, Chicago, Ill. Filed Apr. 21, 1923. Serial No. 633,627. 7 Claims. (Cl. 40—133.)

1. A double-face sign comprising a casing having its sides formed with character-bearing plates of light-transmitting material and presenting inner light-reflecting surfaces, an opaque partition extending in the casing between said sides to divide it into chambers, and having an opening therein extending from its upper edge and approximating in size and shape an illuminating unit to be centrally placed therein and an illuminating unit interposed in the partition opposite said character-bearing plates to illuminate said chambers and reflect the light back and forth from said surfaces and those of the partition.

1,482,791. REGULATOR. GUY M. HAFER, Detroit, Mich., assignor to Hoskins Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 14, 1921. Serial No. 500,716. 6 Claims. (Cl. 204—64.)



1. In an electric pyrometer for furnaces, a galvanometer having an oscillating needle, a pin carried by said needle, a ledge over which said pin oscillates, a member

having a plurality of plungers slidably mounted therein, said plungers overlying the path of said pin, means for periodically depressing said member to cause said pin to actuate one of said plungers, an electric circuit having a switch which may be closed by one of said plungers as it is actuated, and means operable by said circuit for varying the temperature of said furnace.

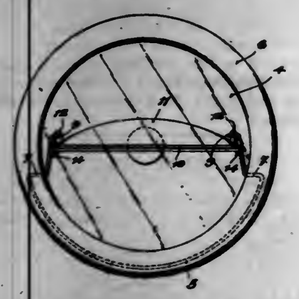
1,482,792. PROCESS OF TREATING THE SURFACES OF CRYSTALLINE MINERAL MATERIALS. MINER L. HARTMANN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed May 12, 1920, Serial No. 380,763. Renewed July 17, 1922. Serial No. 575,637. 9 Claims. (Cl. 252—1.)

1. The process of treating the surface of crystalline mineral material which consists in heating said material in contact with a halogen salt to a temperature sufficient to produce a surface reaction between said material and said salt but insufficient to produce glazing of the surface of said material.

1,482,793. PROCESS FOR TREATING SURFACES OF CRYSTALLINE MINERAL MATERIAL. MINER L. HARTMANN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed July 16, 1921. Serial No. 485,289. 6 Claims. (Cl. 252—1.)

5. The process of improving the bonding quality of crystalline mineral materials, which consists in moistening the material with a surface pitting acidic substance and heating to a temperature sufficient to produce a surface pitting reaction, but insufficient to produce glazing of the surface of the crystals, substantially as described.

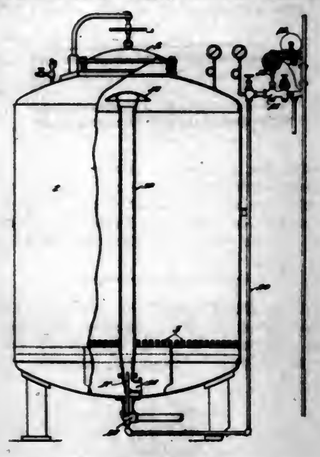
1,482,794. HEADLIGHT SHADE. FRANCIS A. HOLTSINGER, Ottumwa, Iowa. Filed Apr. 5, 1922. Serial No. 549,929. 7 Claims. (Cl. 240—48.6.)



1. A headlight shade comprising in combination with the reflector and lens of a headlight, a support clamped in its operative position between the lens and reflector, a shade element pivoted to the support and overlying the lamp of the headlight, and means on the rear edge of the shade element for supporting the shade element at its rear edge above the lens.

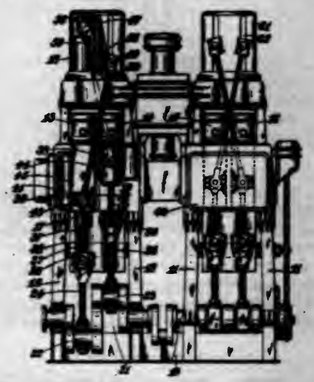
1,482,795. VOMITING KIER. EUGENE D. JEFFERSON, Boston, Mass. Filed Nov. 23, 1920. Serial No. 425,995. 3 Claims. (Cl. 8—18.)

1. A vomiting kier, having, in combination, a vessel for containing the goods to be treated and the liquor for acting on the goods, a vomiting pipe connecting the top and bottom portions of the kier, a steam injector for operating the vomiting pipe to convey liquor from the bottom of the kier to the top thereof, and an automatically operated valve for intermittently opening and closing the steam supply for the injector to vomit



predetermined small quantities of liquor at frequent intervals on the top of the goods irrespective of whether the liquor level in the kier be high or low.

1,482,796. ENGINE. KARL OTTO KELLER, Sunderland, England, assignor of one-half to Robert Pile Doxford, Sunderland, Durham, England. Filed July 8, 1920. Serial No. 394,681. 5 Claims. (Cl. 121—117.)

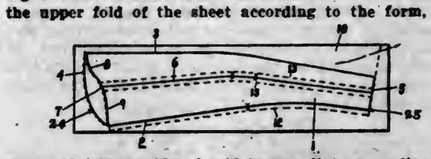


1. In an engine of the type described, the combination of pistons, jointed linkage cross-connecting two pistons which reciprocate in different parallel lines and comprising a first link which is in the plane of the axis of and approximately parallel to the axis of one of the pistons and jointed to that piston, a second link jointed to the first link and to the other piston, and guiding means which constrains the joint connecting the first and second links to move in a line parallel to the piston strokes of that one of the two pistons with which the first link is in immediate connection when it reciprocates with the piston.

1,482,797. SLEEVE FORM. HARRIETT L. KELLEY, Oakland, Calif. Filed Sept. 19, 1918. Serial No. 254,844. 2 Claims. (Cl. 33—12.)

1. The method which consists in taking a sleeve form having inner, outer and end edges, an intermediate seam line, and a sleeve hole line placing a sleeve form on a folded sheet, drawing a line on the upper fold along the

inner and end edges of the form, cutting the sheet on a line outside of the line drawn along the inner edge of the form and along the lines drawn along the ends of the form, placing the form within the folds of the sheet with the inner and edges of the form in register with the corresponding cut edges of the upper fold, marking the intermediate seam line and sleeve hole line on the upper fold of the sheet according to the form, cut-



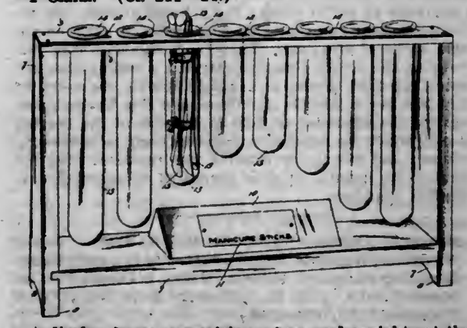
ting said fold outside of said intermediate seam line and along said sleeve hole line, drawing the remaining part of the upper fold over the outer edge of said form, marking the intermediate seam line, the sleeve hole line, and the wrist end line on said upper fold part according to the form, cutting said upper fold part outside said intermediate seam line along said sleeve hole line, and along said wrist end line.

1,482,798. VALVE. JOHN J. KENNEY, Pittsburgh, Pa., assignor to Lawson Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 31, 1919. Serial No. 334,835. 2 Claims. (Cl. 277—32.)



1. The combination with a valve body having a tapered bore and gas port leading thereinto, of a tapered plug extending through and fitting said bore and open from end to end and having a port adapted to cooperate with the body gas port, an abutment member non-rotatably mounted on the small end of said plug and bearing against the end of said body, a member threaded into the small end of said plug and having a flange engaging said abutment member and provided with an opening and a valve member co-operating with said opening and carried by a member threaded into the large end of said plug for controlling the maximum flow through the device.

1,482,799. DISPLAY RACK. OTTO J. KORHUMMEL, Chester, Conn., assignor to C. J. Bates & Son, a Firm composed of Carlton J. Bates and Hamilton C. Bates, Chester, Conn. Filed May 2, 1922. Serial No. 557,950. 1 Claim. (Cl. 211—14.)



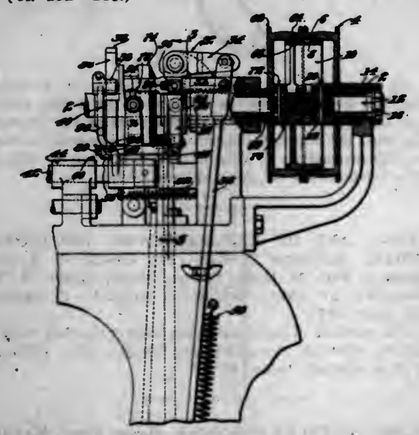
A display frame, comprising a base and uprights at the opposite ends thereof, a metal plate formed on opposite sides with downwardly-extending flanges, the ends of said plates set over and secured to the upper ends of said uprights, said plate formed with a series of perforations combined with a series of glass containers adapted to be passed through the said perforations in the said plate and be supported thereby.

1,482,800. SHUTTLE CHECK AND BINDER. ARTHUR T. LARIN, Waltham, Mass. Filed Jan. 30, 1922. Serial No. 532,871. 6 Claims. (Cl. 139—185.)



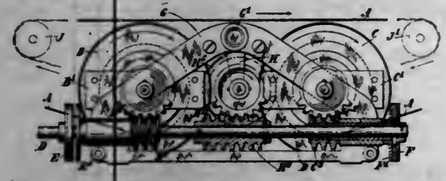
3. The improved shuttle-check comprising, in combination with a binder-bar having its outer portion reversely bent and formed at its inwardly-extending extremity with a bearing-eye 6 by which said bar may be mounted pivotally upon a loom-lay, a yieldable strip 10 fastened to the said bar, extending outward beyond the position of said bearing-eye for coaction with the shoulder of a shuttle, and adapted to swing away from and toward the bar, a pin slidably mounted in holes in the two branches of the bar and engaging by its rear end with said yieldable strip, a spring engaging with said slidable pin between the said branches and acting with a tendency to project the pin and the strip rearwardly, and means to vary the effect of the spring.

1,482,801. DRIVING AND STOPPING MECHANISM. ROBERT H. LAWSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Oct. 18, 1918, Serial No. 258,677. Divided and this application filed Feb. 7, 1919. Serial No. 275,610. 16 Claims. (Cl. 192—146.)



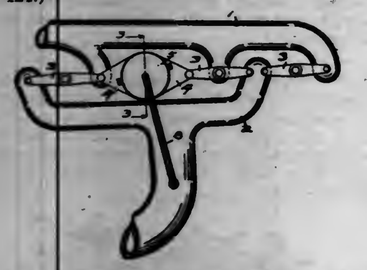
1. A driving and stopping mechanism having, in combination, a shaft, a high speed driving mechanism therefor, a low speed driving mechanism therefor, means under the control of the operator for throwing out the high speed mechanism, and means for throwing in the low speed mechanism at a predetermined point in the rotation of the shaft after the high speed mechanism is thrown out and for thereafter throwing out the low speed mechanism and stopping the shaft at a predetermined point in the rotation thereof, said means including an oscillating lever, the movement of which in one direction effects said throwing in of the low speed mechanism.

1,482,802. FEED MECHANISM FOR MOVING STRIP CHARTS. EDMUND WOODWARD LEWIS, London, England. Filed Sept. 21, 1922. Serial No. 589,598. 5 Claims. (Cl. 40—42.)



1. In a strip-chart feed-mechanism, the combination of a delivery spool and a take-up spool for a strip, a driving roller arranged to press against the strip on the take-up spool with sufficient grip to control the rate of feed of the strip, means for rotating the driving roller, a friction-drive for rotating the take up spool in the direction for winding up the strip and arranged to have less grip than the said driving roller has on the strip, but to have a speed such that it at all times tends to overrun the driving roller, and retarding means tending to retard the rotation of the delivery spool, substantially as described.

1,482,803. AUXILIARY AIR VALVE FOR AUTOMOBILES. RANDLE O. LOUGHEED, Montpelier, Ohio. Filed July 31, 1922. Serial No. 578,543. 6 Claims. (Cl. 123—124.)



1. In an automatic auxiliary air valve for an internal combustion engine, a cup connected with the intake manifold of the engine, a cover substantially fitting the interior of the cup, the cup and cover formed of material having dissimilar expansivity to close and open the cup according to the temperature of the cup and cover.

1,482,804. ART OF MANUFACTURING ISOPROPYL ETHER. MATTHEW D. MANN, Jr., Roselle, N. J., assignor to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Oct. 27, 1921. Serial No. 510,821. 5 Claims. (Cl. 260—151.)

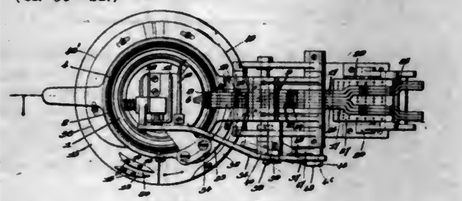
1. The method of manufacturing isopropyl ether which comprises reacting upon isopropyl alcohol with sulfuric acid of a strength below 85%.

1,482,805. SILENCER FOR GUNS. HIRAM PERCY MAXIM, Hartford, Conn. Filed Feb. 21, 1921. Serial No. 446,822. 3 Claims. (Cl. 89—31.)



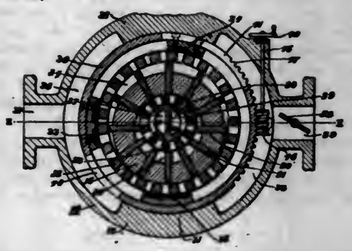
1. In a gun silencer, a tubular casing having a bore open at one end and provided with a shoulder spaced from its other end, an apertured washer against said shoulder, a plurality of baffle members within said bore, the innermost member being in engagement with said washer and all of said members and said washer being removable through the open end of said casing, and an apertured nut threaded into the open end of said bore for retaining said baffle members and washer therein.

1,482,806. KNITTING MACHINE. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Mar. 12, 1917, Serial No. 154,190. Renewed Aug. 21, 1922. Serial No. 583,357. 13 Claims. (Cl. 66—12.)



1. A knitting machine having, in combination, a rotary needle cylinder, a series of yarn changers for feeding the yarn to the needles at the same point, means continually moving in time with the needle cylinder for operating the yarn changers to insert or to withdraw their yarn, and mechanism for controlling the action of said means to render it selectively active on the yarn changers to either insert an inactive yarn or to withdraw an active yarn.

1,482,807. REGULATOR FOR ROTARY PUMPS AND MOTORS. HUGH W. NEWBERG, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 31, 1921. Serial No. 497,177. 10 Claims. (Cl. 103—120.)

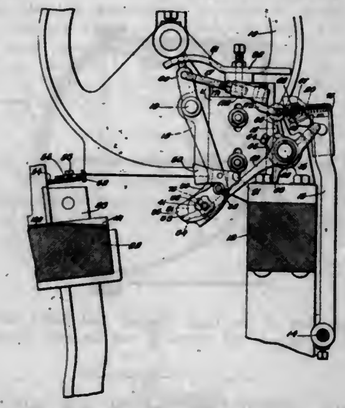


5. In combination in an apparatus of the character described, a casing member having inlet and outlet means; a ported cylindrical ring; a rotatable element disposed within and eccentric to the cylindrical ring and carrying a plurality of radial vanes; the cylindrical ring, the rotatable element and the vanes cooperating to form an annular series of expansible chambers; a regulator ring surrounding the ported ring and carrying a sealing shoe adjacent the inlet means arranged to inhibit the entry of fluid into the expansible chambers, said ring having openings for the admission of fluid at the side of the bearing shoe on which the expansible chambers begin to increase in volume; and means for rotating the regulator ring for varying the amount of fluid permitted to enter the expansible chambers.

1,482,808. THREAD-PARTING MECHANISM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,028. 5 Claims. (Cl. 139—264.)

1. A weft replenishing loom having, in combination, weft replenishing mechanism including a hopper arm, a shuttle feeler, a movable knife pivoted thereon, a cutting

blade cooperating with the knife, a knife holding plate, a spring washer cooperating with the holding plate to yieldingly hold the knife in any position to which it may



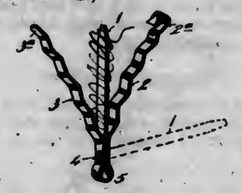
be moved, a lever pivotally mounted on a stationary portion of the machine, and a bypass pawl carried by the hopper arm adapted to engage the lever to open the knife upon operation of the hopper arm.

1,482,809. POULTRY HOVER. JOHN G. POORMAN, Tinley Park, Ill. Filed Oct. 9, 1922. Serial No. 593,266. 1 Claim. (Cl. 119—33.)



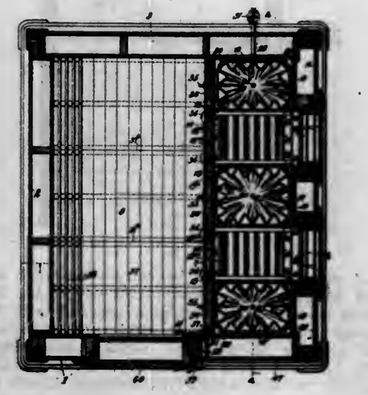
A poultry hover comprising a body formed of enclosing sides, and a top-portion provided with feathers depending therefrom into the interior of said body and containing openings therethrough adjacent its front and rear edges for ventilation, the feathers depending from said top-portion stopping a sufficient distance from the front edge of said top-portion to provide a runway between said feathers and the front of the structure.

1,482,810. HAIR WAVER. LOUIS POTEMKIN, Brooklyn, N. Y. Filed Dec. 31, 1921. Serial No. 526,162. 1 Claim. (Cl. 132—41.)



A hair waver comprising opposing bars secured together at corresponding ends and extending divergently therefrom, one of said bars having a return end portion extending over said bar, said end portion having an inner recess opening through the edge of said end portion, and provided with side webs, the corresponding end of the other bar being reduced to fit in said recess between said webs, said bars having an outward spring tendency to retain said reduced end in said recess, and a third bar pivoted between the first-named ends of the other bars.

1,482,811. COMBINED FREEZER AND COOLER. REMER RAIMOND REID and FREDERICK NEUDORFF, Atlanta, Ga. Filed Dec. 15, 1922. Serial No. 607,160. 19 Claims. (Cl. 62—61.)



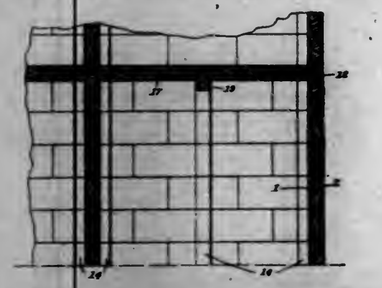
1. A refrigerating device having top, bottom and side insulating walls, a freezing compartment therein having top, bottom and side walls spaced from the first-mentioned walls and each formed of slatted openwork to permit free circulation of air through and around the compartment, and tanks on opposite sides of said compartment for containing a cooling medium.

1,482,812. APPARATUS FOR DRYING DIVIDED MATERIALS. WILLIAM E. ROBERTS, Lompoc, Calif. Filed Dec. 14, 1921. Serial No. 522,253. 5 Claims. (Cl. 34—34.)



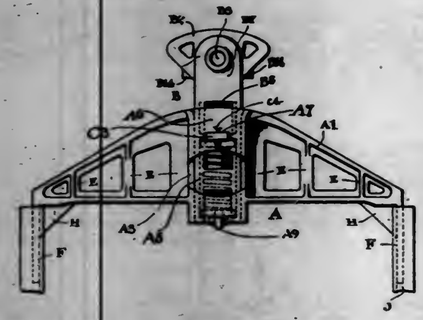
1. An apparatus for drying divided materials, comprising material supporting means consisting of opposing walls formed of downwardly converging inclined louvre plates separated to provide openings therebetween, said walls forming a vertical chute adapted to receive the material and to confine and support same by such inclined surfaces, while permitting descent of the material by gravity, means for passing drying medium through said openings so as to pass transversely through material confined between said inclined surfaces and a vertically reciprocating agitating means extending vertically between the opposing louvre plates to agitate and loosen the material.

1,482,812. REENFORCING FRAME FOR CONCRETE BUILDING STRUCTURES. MANSOUR SAMANA, Atlantic City, N. J. Filed Mar. 18, 1922. Serial No. 544,769. 4 Claims. (Cl. 72—15.)



1. A concrete structure, including an exterior metallic casing composed of opposite skins comprising box-like sections having upturned flanges, provided with tapered openings presenting inclined edges, said sections being fitted together in staggered relation simulating wall blocks, interconnecting rods having headed terminal portions bent at right angles and arranged in the tapered openings and engaging the inclined edges thereof to draw the sections together, and a plastic filling poured between the sections of the opposite skins.

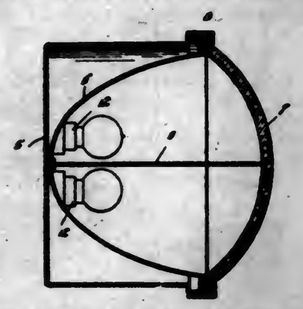
1,482,814. RAILWAY CAR. HUGH W. SANFORD and GEORGE H. JONES, Jr., Knoxville, Tenn., assignors to Sanford-Day Iron Works, Knoxville, Tenn., a Corporation of Tennessee. Filed May 10, 1921. Serial No. 468,254. 5 Claims. (Cl. 105—364.)



2. In a structure of the kind described and in combination with the longitudinal sills, a one-piece casting comprising an end sill extending across the end of the car from one of said longitudinal sills to the other, the ends of said sill having corner stiffeners for connection with said sills providing a rigid frame to prevent twisting, a bumper formed integral with said end sill and projecting outwardly therefrom, and a draw bar socket opening through the aforesaid bumper, substantially as described.

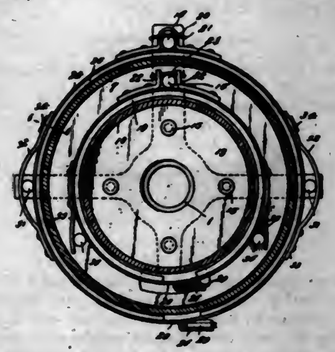
1,482,815. VEHICLE HEADLIGHT. PETER SATHER, East Stanwood, Wash. Filed Mar. 13, 1923. Serial No. 624,692. 1 Claim. (Cl. 240—41.)

A headlight lamp structure comprising a casing, a concavo-convex lens closing the forward end of the casing and disposed with its intermediate portion in advance of the forward edge of the casing, a concaved reflector housed within the casing and having its forward edge in contact with the edge portion of the lens, a plate disposed in the median vertical plane of the casing and housed within the reflector and the lens, and dividing the area therein into tow compartments, the forward portion of the plate being disposed in advance of the



forward edge of the lamp casing, and bulbs located in the compartment and disposed one at each side of the plate.

1,482,816. BRAKE MECHANISM FOR MOTOR VEHICLES. DAVID H. SCHALL, Canton, Ohio. Filed Oct. 4, 1922. Serial No. 592,262. 3 Claims. (Cl. 188—77.)



1. In a brake mechanism of the class described, the combination with the rear axle housing and the ground wheel journaled upon the outer end of said housing, of brake drums secured to the inner side of said ground wheel concentrically of the axis thereof and to each other, brake bands encircling said drums, respectively, means carried by the rear axle housing and supporting said brake bands about said drums, each brake band being split at its lower portion and cam levers connected to the split portions of said brake bands and operable to contract the bands.

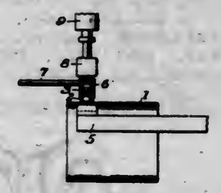
1,482,817. MILK-CAN-IDENTIFYING MEANS. GEORGE H. SHAW, Los Angeles, Calif. Filed Feb. 5, 1921. Serial No. 442,707. 2 Claims. (Cl. 40—11.)



1. Milk can identifying means comprising a plate of metal having return shipping directions stamped thereon and being conformed to the curvature of the can to which it is applied and having ledges at its bottom, ends and top; the bottom and end ledges forming grooves to

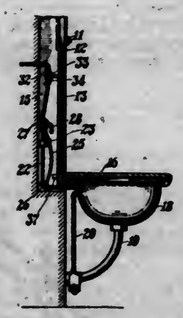
receive an identification slip having shipping directions thereon, and said ledges being spaced apart to form an open-sight space and to form drainage outlets at the corners; the top ledge being adapted to prevent accidental removal of the identification slip, and being spaced from the end ledges to allow the identification slip to be inserted to give shipping directions and to obscure the return shipping directions and to be removed to expose the return shipping directions.

1,482,818. METHOD AND APPARATUS FOR WELDING. WILLIAM P. SHIPMAN, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 23, 1921. Serial No. 463,918. 19 Claims. (Cl. 78—92.)



1. In the method of welding metal members together while heated and in welding position, the step consisting in interposing a third member between the welding pressure producing means and the point of weld to transmit the welding pressure approximately to the point of weld and at a point intermediate the length of one of the members in the direction of welding pressure, substantially as described.

1,482,819. HAIR DRESSING, WASHING, AND SHAMPOOING EQUIPMENT. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,285. 6 Claims. (Cl. 45—38.)



1. A device of the class described, adapted to be secured to a wall having a recess formed therein, a pair of vertical guide elements on said wall one on each side of the said recess, a frame slidable in said guide elements, a table fixed to said frame and projecting laterally from the said wall, a washbasin normally covered by said table, said recess containing water pipes for supplying water to said basin, and hand valves for said water pipes located in the recess and accessible by raising the said fame and table.

1,482,820. ADVERTISING MANIKIN. LEO B. SIMONSON, New York, N. Y. Filed July 13, 1923. Serial No. 651,288. 4 Claims. (Cl. 40—139.)



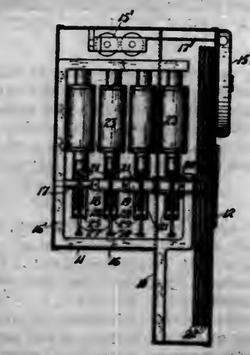
1. A display device comprising a base, a manikin movably mounted thereon, a motor, and an operative connection between said motor and manikin whereby oscillatory movements of successively varying extent are imparted to the manikin.

1,482,821. COLLAR PIN. EUGENE SIXT, Springville, N. Y. Filed July 27, 1923. Serial No. 654,110. 1 Claim. (Cl. 24—87.)



A pin fastener for holding the points of a soft collar in adjacent relation comprising a slightly curved bar having spaced S-shaped pins rigidly fastened to the ends thereof, the free ends of the pins projecting inwardly towards each other with the free end portions of the same in close proximity to the rear surface of said bar, said pin members being provided with end portions inserted in sockets in the end of the bar and soldered therein.

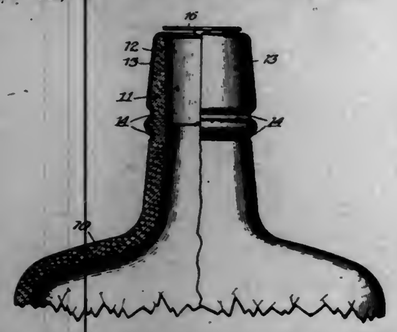
1,482,822. DIRECTION INDICATOR FOR AUTOMOBILES OR OTHER VEHICLES. DAVID U. STANAGH, Oakland, Calif. Filed May 8, 1919, Serial No. 295,628. Renewed Oct. 21, 1920. Serial No. 418,505. 2 Claims. (Cl. 177—329.)



1. In an indicator of the class described, a cylindrical casing having an enlarged and a reduced portion, a substantially C-shaped support within the casing provided

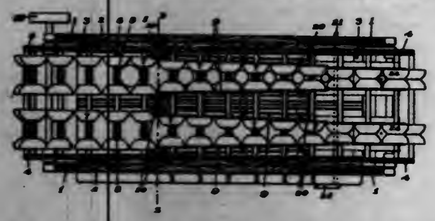
with an extension secured to the wall of the enlarged portion of the casing, solenoids depending from the upper horizontal arm of the support, a shaft journaled in the vertical arms of the support and extending longitudinally of the casing, rotatable sleeves of increasing length on the shaft and carrying indicating vanes thereon within the said enlarged portion of the casing and means for selectively operating the solenoids to rotate the said sleeves.

1,482,823. SEAL FOR BOTTLES. WALTER A. STATTMANN, Chicago, Ill., assignor to Hugh R. Adams, Oak Park, Ill., and Hollis B. Wilcox, Glencoe, Ill. Filed Dec. 23, 1922. Serial No. 608,767. 2 Claims. (Cl. 215—38.)



1. A seal for a bottle comprising a thimble adapted to be secured over the mouth of the bottle, a disk cut from the top of said thimble except for a plurality of narrow bridges, the opening uncovered by said disk being greater than the opening in the neck of the bottle whereby the cork of the bottle may be withdrawn through the opening when said seal is broken.

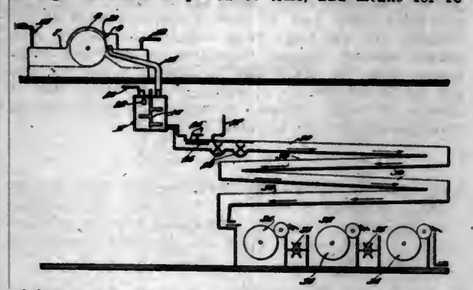
1,482,824. SIZING APPARATUS. FRED STEBLER, Riverside, Calif., assignor to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed Sept. 25, 1923. Serial No. 664,696. 11 Claims. (Cl. 130—32.)



1. A machine for sizing and grading articles comprising endless conveyors carrying a multiplicity of sizing elements, yielding means for holding said sizing elements in operative relation and adjustable guiding means for said sizing elements in frictional contact with which said elements are maintained by said yielding means.

1,482,825. APPARATUS FOR TREATMENT OF WASTE PAPER. JOHN STEVENS, 3d, Boston, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1920. Serial No. 425,541. 4 Claims. (Cl. 92—7.)

1. An apparatus for the treatment of waste printed paper comprising means for forming a hot pulp solution, means for thereafter mixing the solution with an alkaline detergent, a trough into which the pulp discharges after treatment with the detergent and of sufficient length to cause the detergent to remain in contact with the pulp during a substantial period of time, and means for receiving and washing the pulp after its discharge from the trough to remove ink and dirt therefrom.

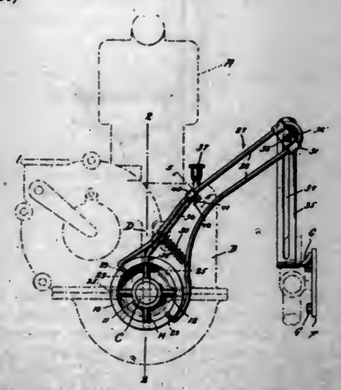


1,482,826. SAFETY HOOK. KARL HJALMAR STOLSTEDT, Centralia, Wash. Filed July 7, 1923. Serial No. 650,158. 2 Claims. (Cl. 24—230.)



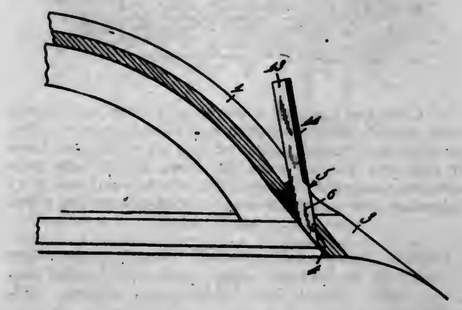
1. A safety hook including a shank provided with an opening and a bill extended toward the shank, and a ring rotatably mounted in the opening of the shank, said ring being adapted to pass the bill in one angular adjustment thereof, said ring being engageable with the underside of the bill and the opposite portion of the shank to close the opening between the extremity of the bill and the shank and also being adapted to be swung up on the shank away from the bill to leave the opening between the extremity of the bill and the shank free and unobstructed.

1,482,827. THRUST BEARING FOR CRANK SHAFTS. BARTLETT F. VAVRUSKA, Prairie du Chien, Wis. Filed Dec. 8, 1922. Serial No. 605,674. 8 Claims. (Cl. 64—49.)



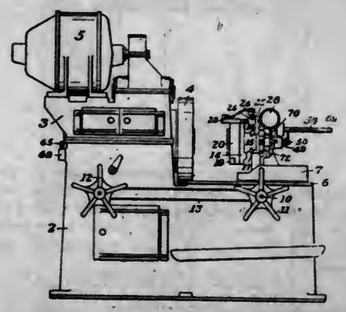
1. A thrust bearing structure for the crank shaft of internal combustion engines, comprising a pulley secured upon the crank shaft and replacing the usual pulley, said pulley being formed with a reduced extension carrying a roller bearing structure, a stationary member disposed against the front of the engine and having a threaded periphery, and a nut ring screwed onto said threaded periphery in engagement with the roller bearing structure and provided with means for engagement by a wrench.

1,482,828. PULVERIZING ATTACHMENT FOR PLOWS. STROTHER WATSON, Gallatin, Tenn. Filed Apr. 8, 1922. Serial No. 550,629. 6 Claims. (Cl. 97—117.)



2. The combination with a mold board, and a plow share of a plurality of pulverizing blades, said board, share and blades having cooperating means whereby the blades are held in operative position without the use of fasteners.

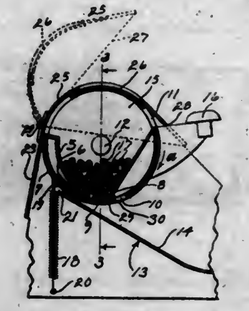
1,482,829. THREADING MACHINE. EDGAR H. WILSON, Chartiers Township, Allegheny County, Pa., assignor to Taylor-Wilson Manufacturing Company, McKees Rocks, Pa., a Corporation of Pennsylvania. Filed Jan. 21, 1921. Serial No. 438,829. 19 Claims. (Cl. 10—89.)



1. A threading machine, comprising devices for gripping the work to be threaded, a thread-cutting device movable toward and away from the periphery of the work, power means for operating said device, means for automatically controlling said means to move said cutting device away from the work after a thread of predetermined length has been cut thereon, and means controlling said first mentioned means for moving said cutting die away from the work at any time during the operation of the machine, substantially as described.

1,482,830. DISPENSING DEVICE. WILLIAM G. WOODS and NELSON T. SHAW, Los Angeles, Calif. Filed July 31, 1922. Serial No. 578,690. 1 Claim. (Cl. 206—21.)

In a dispensing device, the combination of a chute having side and rear walls and a floor, a receptacle rotatably mounted on the side walls and provided with spaced walls having slots in offset relation, a slotted member connected with the side walls of the chute and extending between the hollow walls, means to yieldingly



hold the receptacle in position with one of its slots registering with the slot in the stationary member, and means to rotate the receptacle to position with its other slot registering with the slot in the stationary member.

1,482,831. METHOD OF PRODUCING STAGE EFFECTS. WALTER L. ACKERMAN, Hollywood, Calif., assignor of one-half to Yale Corporation, Los Angeles, Calif., a Corporation of California. Filed June 13, 1921. Serial No. 477,132. 5 Claims. (Cl. 88—16.)



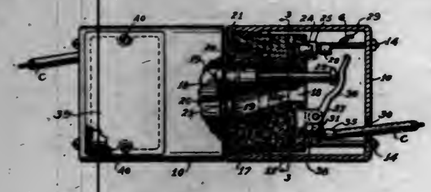
4. In the method of producing stage effects, the combination of steps consisting in illuminating mainly from the rear a three dimensional object whose silhouette corresponds to that of another three dimensional object of an entirely different appearance when illuminated from the front, and illuminating said first object from the front to disclose it in its three dimensions.

1,482,832. FOLLOWER-BLOCK MOUNTING. HARRY L. ATKINSON, San Francisco, Calif. Filed Mar. 14, 1923. Serial No. 624,949. 4 Claims. (Cl. 129—27.)



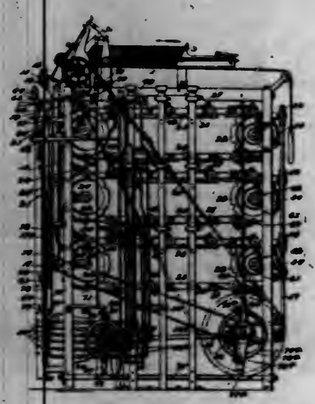
1. In combination with a filing receptacle, a follower mounted therein, a guideway in the bottom of the receptacle, a follower mounting in said guideway and connected to the follower, said mounting operable by vertical movement of the follower to clamp the follower to the bottom of the receptacle or release it to permit it to be longitudinally adjusted therein.

1,482,833. ELECTRIC COUPLER. REX G. AVERILL, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed June 7, 1919. Serial No. 302,428. 14 Claims. (Cl. 173—332.)



2. An electric coupling unit adapted to be connected to a like unit for extending a train line circuit, comprising a terminal in said unit for each side of a circuit, electrical cross connecting means engaging both the terminals and normally dead conducting means mounted on said unit for disengaging said electrical connecting means from one of the terminals and conducting current to the like member in the cooperating unit when connected thereto.

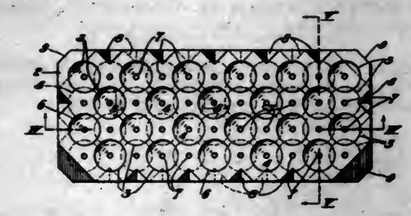
1,482,834. MAIL-DISTRIBUTING APPARATUS. WILLIAM BARRY, Oswego, N. Y., assignor to The Auto Mail Distributer, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 13, 1912, Serial No. 714,923. Renewed June 16, 1922. Serial No. 568,821. 44 Claims. (Cl. 214—11.)



1. Mail distributing apparatus, in combination with mechanism for individually weighing the pieces of mail matter and indicating the weight thereof.

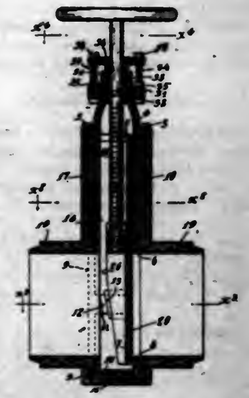
13. In mail distributing apparatus, in combination, an endless conveyer provided with a series of individual letter holders, means for successively opening said holders when at the letter receiving position, operating means for said conveyer to bring said holders successively to the letter receiving position, means for delivering letters to said holders, a series of means arranged along the path of said conveyer for delivering the letters from the holders thereof, said series of means being normally inoperative for removing letters, and devices whereby the means of said series are operated to cause delivery of letters from said holders and whereby the delivery point of each letter is predetermined.

1,482,835. DIES. ERNST BOLEY, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed June 9, 1922. Serial No. 567,166. 7 Claims. (Cl. 205—29.)



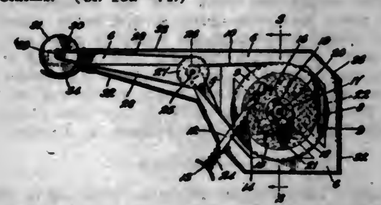
1. A die plate having a plurality of rows of tapering holes therein, each succeeding hole of said rows of holes entering from opposite sides of said plate, and the holes of each row entering from the same side of said plate being in staggered relation with the holes of the next adjoining rows entering from the same side of said plate.

1,482,836. IRRIGATING VALVE. HENRY J. BRUBAKER and JOHN B. BRUBAKER, San Dimas, Calif. Filed Jan. 24, 1921. Serial No. 439,532. 12 Claims. (Cl. 251—57.)



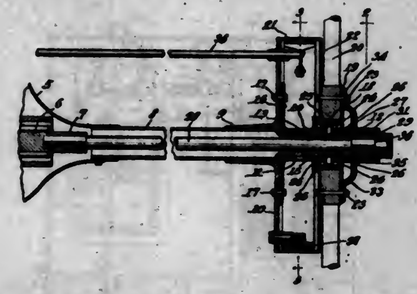
1. A valve comprising a skeleton frame of the valve body embedded in concrete and cooperating with the concrete to form a valve chamber having inlet and outlet openings, the frame having a valve seat within the chamber, and valve mechanism cooperating with the valve seat.

1,482,837. MANICURING DEVICE. DAVID D. BUCK, Flagler, Colo., assignor of one-half to O. C. Lovett, Flagler, Colo. Filed Feb. 27, 1923. Serial No. 621,590. 5 Claims. (Cl. 132—74.)



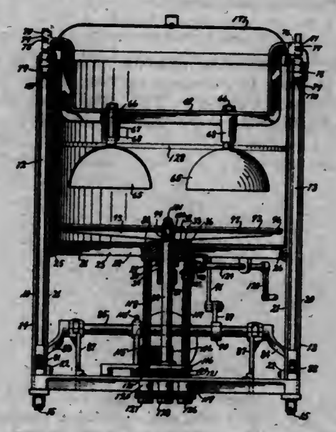
1. In a manicuring device, a rotatable abrasive wheel; a stationary curved guard member adjacent the periphery of said wheel; a motor; and connections between said motor and wheel for rotating the latter at a relatively high speed.

1,482,838. REAR-AXLE CONSTRUCTION. ANTONIO J. CASALE and JOSEPH B. SIMPSON, Takoma Park, D. C., assignors to National Differential Manufacturing Company, a Corporation of Delaware. Filed Dec. 4, 1920. Serial No. 428,277. 3 Claims. (Cl. 180—88.)



1. In a rear axle construction, a tubular spindle having a portion adapted for insertion upon the tubular extension of a disk, means to hold the spindle upon the extension, a wheel embodying a tubular hub mounted upon the tubular spindle, a hub coupling embodying a cap portion secured to the hub and a tubular portion having a bore which is polygonal in cross section, a bushing removable within said bore and having its exterior polygonal in cross section and having a bore which is polygonal in cross section, a cap detachably engaging the tubular portion of the hub coupling, and an axle section extending through the tubular spindle and through the bore of the bushing.

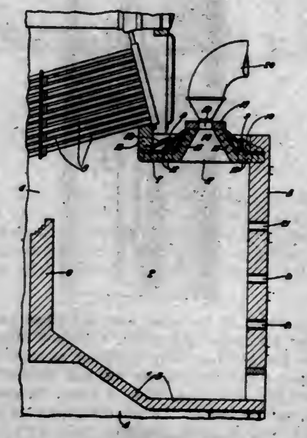
1,482,839. LAUNDERING MACHINE. WALTER H. COTTON, Chicago, Ill. Filed Sept. 10, 1919. Serial No. 322,884. 11 Claims. (Cl. 68—19.)



1. In a device of the class described, in combination, a vat, washing means operable in said vat, a shaft projecting through the bottom of the vat, a revoluble clothes supporting table fixed upon the shaft within the vat, and means to impart intermittent motion of rotation to the shaft.

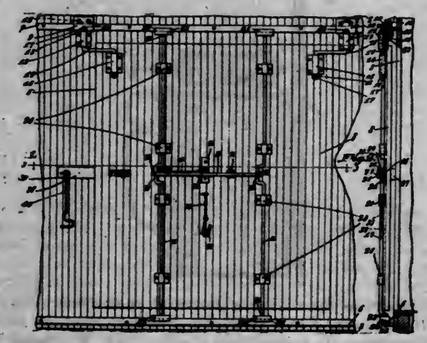
1,482,840. STEAM-BOILER FURNACE. FREDERICK J. CROLIUS, Munhall, Pa. Filed Jan. 14, 1922. Serial No. 529,294. 3 Claims. (Cl. 110—28.)

1. A boiler furnace comprising a main combustion chamber having front, side, top and bottom walls, and a back wall terminating short of the boiler tubes, a sub-combustion chamber formed in the top wall of said combustion chamber, said sub-chamber having downwardly and outwardly diverging side walls, a combined air and fuel inlet entering the upper end of said sub-chamber, said combined air and fuel inlet being adapted to direct a mixture of air and fuel through said sub-chamber and downwardly on a vertical line within said main combustion chamber, said diverging side walls of said sub-chamber being adapted to become incandescent due to the



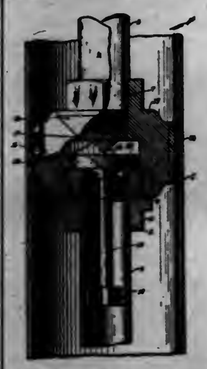
combustion of the air and fuel mixture within said sub-chamber, and said air and fuel mixture being adapted to expand within said sub-chamber and sweep over said incandescent surfaces, and a plurality of air inlets formed in said front wall adapted to direct air into said main combustion chamber at right angles to the flow of partially combusted fuel from said sub-combustion chamber.

1,482,841. SLIDING DOOR FOR CARS. JACOB L. CROOK, Topeka, Kans. Filed Jan. 26, 1920. Serial No. 354,160. 1 Claim. (Cl. 20—23.)



In a sliding door operating mechanism, an upper track section and a lower track section, a laterally movable closure disposed between the track sections, and having cleats, securing rods operating in the cleats and having offset end portions, shoes movable on the track sections and having openings to receive the offset end portions of the rods, an arm connecting the supporting rods, a controlling lever having pivotal connection with the arm, a bracket member secured to the door, said lever having pivotal connection with the bracket member, said arm and controlling lever having registering openings to receive a locking member, and said controlling lever adapted to operate to move the door laterally.

1,482,842. COMBINATION PUMP-ROD GUIDE, COUPLING, AND VALVE CAGE. JOHN G. DORWARD, San Francisco, Calif. Filed Mar. 9, 1922. Serial No. 542,345. 12 Claims. (Cl. 103—202.)



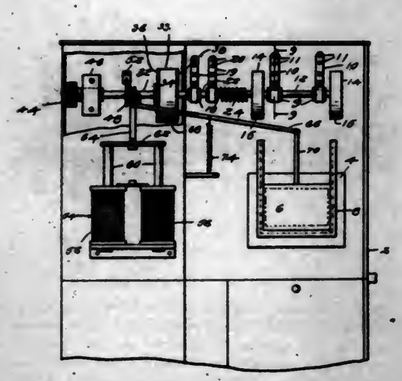
1. In a pump of the character described the combination with the discharge casing, a hollow pump rod and a hollow plunger rod, of a coupling member connecting the pump rod and the plunger rod and formed to prevent fluid entering the pump rod, a valve interior of said coupling, and means on the coupling forming a guide for the valve and a guide for the rods with relation to the discharge casing and permitting flow of fluid through the coupling member for passage between the casing and the pump rod.

1,482,843. LUBRICANT CONTAINER. WALTON FJELDSTROM, Kenaston, Saskatchewan, Canada. Filed Aug. 1, 1921. Serial No. 488,994. 1 Claim. (Cl. 221—52.)



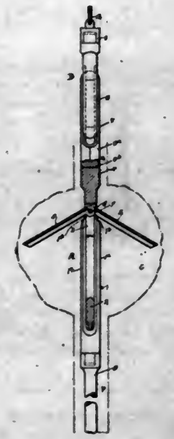
A device of the character described, comprising a lubricant container, a lead pipe located externally of the container, but communicating at the lower end therewith, a relatively large cover closing the upper end of the container and having a port therethrough, a fluid pump comprising a cylinder mounted on the cover, means supporting the cylinder above the cover, removable covers for the end of the cylinder, a piston slidably mounted in the cylinder and manually operated in one direction, a spring operating the piston in the opposite direction, a pipe connecting the cylinder with the port in the cover and disposed directly over the said port and over the control valve and a spring control valve mounted on the lower face of the cover and removable therewith and coacting with the port, the cover, the pump and valve being removable as a unit from this container said pump being disposed entirely outside the container.

1,482,844. MOTION-PICTURE APPARATUS. ROY M. FORSYTH, Gouverneur, N. Y., assignor of one-half to Otto F. Pattberg, Gouverneur, N. Y. Filed Mar. 31, 1923. Serial No. 629,087. 3 Claims. (Cl. 88—17.)



1. In a fire trap operating mechanism for moving picture machines, in combination with the frame thereof, having a film opening and a gate therefor, a friction roller mounted in bearings on said machine frame adjacent the film opening, a rotary permanent magnet journalled on said machine frame and having a driving connection with said friction roller, an armature drum concentric with but in spaced relation over said magnet, an electric circuit including an electromagnet, means operated by said armature for opening and closing said circuit, and means operated by said electro magnet for raising and lowering said gate.

1,482,845. OIL-WELL AGITATOR. THOMAS H. GALLAGHER, Crafton, Pa., assignor to Twin Packer Oil and Gas Company, Pittsburgh, Pa. Filed Sept. 29, 1922. Serial No. 591,360. 2 Claims. (Cl. 166—18.)



1. In a tool of the character described, a lower jaw, agitating members carried by said jar and disposed to be forced outwardly away from the jar during downward movement of the same, and an upper jar permanently secured to said lower jar.

1,482,846. POLE PUSHER. PHILIP J. HARRAH, Bloomfield, Ind. Filed June 28, 1922. Serial No. 571,486. 5 Claims. (Cl. 254—133.)

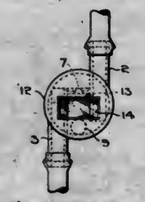


1. In a pole pusher, two telescoping sections in longitudinal alinement, the upper section to engage a pole and consisting of a cylinder, and the lower section to be anchored to the ground and comprising a bar projecting into said cylinder, and a runner movable on said bar and constituting a seat for said cylinder.

1,482,847. COMPOSITION FOR NONMETALLIC GEARS. HERBERT L. JOHNSTON, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,464. 2 Claims. (Cl. 106—22.)

1. A new and useful material comprising sponge impregnated with a phenolic condensation product, the same being subjected to great pressure under influence of heat such as will convert the phenolic product into a solid.

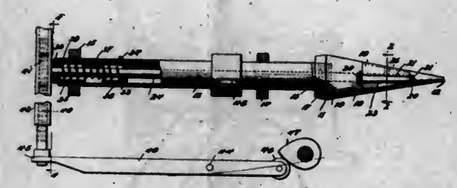
1,482,848. CUT-OFF DEVICE FOR VACUUM PIPE LINES. JOHN FRANK JOHNSON, Eketahuna, Wellington, New Zealand. Filed Jan. 18, 1923. Serial No. 613,539. 3 Claims. (Cl. 31—97.)



2. A device for the purpose specified comprising a body; nipples extending into the latter from opposite sides; a valve operating between the inner portions of said nipples; a cross passage between the outer portion of the body and an inner wall therein, containing a port; and a valve seating containing niches surrounding said port on the inner side of said cross wall.

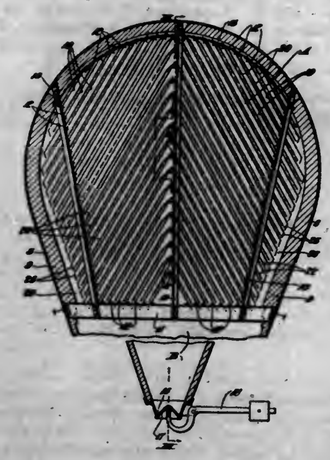
1,482,849. CONE-WINDING MANDREL. GIBSON H. KENNEDY, Cedartown, Ga., assignor, by mesne and direct assignments, to Sonoco Products Company, Hartsville, S. C., a Corporation of South Carolina. Filed July 25. 1922. Serial No. 577,410. 22 Claims. (Cl. 93—79.)

1. A device for winding a flexible sheet into the form of a cone comprising a mandrel having a conical outer surface on which the sheet winds the end portions of said mandrel being continuous circularly and a gripping member extending longitudinally between said end portions only having its outer surface in the lines of the conical surface of the mandrel and having slight rela-



tive rotary movement thereon to cooperate with the mandrel in gripping the central portion of the edge of the sheet or releasing it and means extending through the end of the mandrel for operating said gripping member to cause the relative rotary movement in either direction.

1,482,850. DUST CATCHER. FRED E. KLING, Youngstown, Ohio. Filed Aug. 4, 1022. Serial No. 579,682. 3 Claims. (Cl. 183—111.)

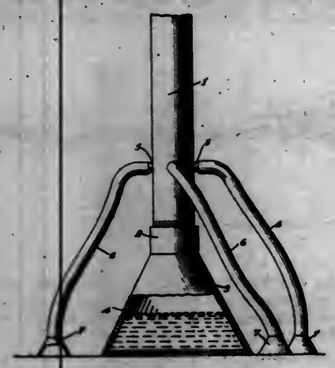


1. A dust catcher comprising a casing, a plurality of spaced plates extending from the center of said casing downwardly and outwardly toward the side walls thereof, means for supporting said plates, said plates being arranged in pairs and terminating short of the side walls of said casing so as to permit dust to travel downwardly along the side walls of the casing, the upper plate of each pair of plates being provided with perforations through which dust may fall and the lower plate being unapertured, and an inlet and outlet for the gases adapted to cause a flow of gas across said plates.

1,482,851. DREDGE. LOUIS E. KLINGON and ELDRIDGE M. GATHRIGHT, Bridgeport, Conn. Filed Nov. 2, 1921. Serial No. 512,288. 4 Claims. (Cl. 262—2.)

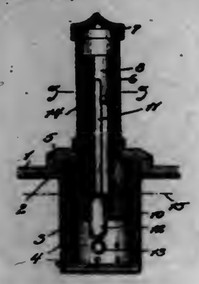
1. In a device for collecting heavy metals from beneath the surface of a body of water, a main suction conduit and an auxiliary suction conduit branched from the main conduit, the main conduit being completely closed at its lower end to form a receptacle for the heavy metals collected, the main conduit being of greater cross sec-

tional area than the auxiliary conduit, to provide for a reduction of the speed of flow in the main conduit, as



compared with the speed of flow in the auxiliary conduit, and to provide for the depositing of all of the heavy metals in the receptacle.

1,482,852. COMBINED HYDROMETER AND LIQUID-LEVEL GAUGE. VALENTINE C. KLOEPFER, St. Louis, Mo., assignor of one-half to A. J. Kessinger, Detroit, Mich. Filed May 9, 1921. Serial No. 467,916. 2 Claims. (Cl. 265—45.)



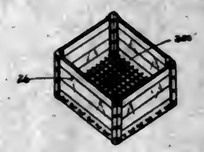
1. A combined quantity and quality gauge for fluid containers comprising, in combination, a tube, a float including a stem disposed for movement lengthwise within the tube, a hydrometer movable with and relatively to the float and its stem, and means including indicia upon both the stem and the tube for visibly indicating the respective fluid actuated quality and quantity positions of the hydrometer and float.

1,482,853. BRAKE SHOE OR DRUM. SAMUEL B. LEITZELL, Butler, Pa. Filed Dec. 12, 1921. Serial No. 521,796. 1 Claim. (Cl. 188—77.)



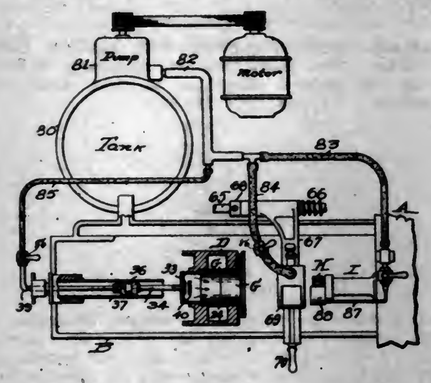
In a brake construction, a drum formed with a peripheral groove, the walls of the groove being inclined, a brake band supported adjacent to the periphery of the drum and having threaded openings, a brake shoe including a plurality of sections, each section being substantially triangular in cross section to fit within the peripheral groove of the drum, said shoe having openings, and securing screws extending through the shoes and having their threaded ends positioned in threaded openings of the brake bands, the heads of the screws moving in the peripheral groove of the drum.

1,482,854. CORNER PIECE FOR MILK CRATES AND THE LIKE. STANLEY M. MCINTYRE, Cincinnati, Ohio. Filed Jan. 20, 1923. Serial No. 614,003. 5 Claims. (Cl. 217—69.)



1. A corner piece of the class described comprising a flap and a lap extending in substantial parallelism, a bottom ledge spacing the lap and the flap at one end, an upper inside flap extending in substantial parallelism with the lap, an upper ledge spacing the inside flap and the flap and disposing the inside flap adjacent the flap, a second flap carried by the first flap and extending longitudinally of the first flap, the second flap having an upper and a lower ledge disposed at its opposite ends, an upper inside flap carried by the upper ledge and a lower inside flap carried by the lower ledge, the ledges spacedly supporting the two last mentioned inside flaps in substantial parallelism with the flap, and a second lap carried by the first lap extending at an angle to the first lap, and in substantial parallelism with the second mentioned flap.

1,482,855. MECHANISM FOR SUPPLYING LIQUID TO GRINDING MACHINES. RALPH L. MORGAN, Worcester, Mass., assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1921. Serial No. 442,260. 8 Claims. (Cl. 51—267.)

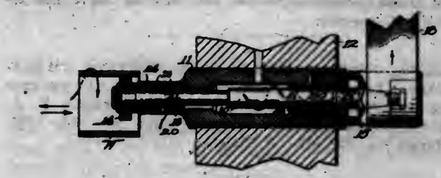


1. In an internal grinding machine, means for supplying liquid to the bottom of the work, a grinding wheel, and a partial cylindrical guard surrounding the wheel and arranged so that the wheel will act to carry the liquid around between the same and the guard.

1,482,856. BEARING FOR GRINDING SPINDLES. RALPH L. MORGAN, Worcester, Mass., assignor of one-half to Greenfield Tap & Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1922. Serial No. 607,227. 6 Claims. (Cl. 64—10.)

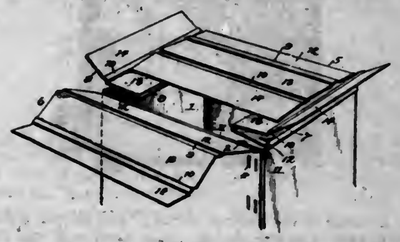
1. In a grinding machine, the combination with a grinding wheel spindle and a housing in which it is

journaled, of segmental bearings located near the ends in the housing, segmental bearings arranged centrally in



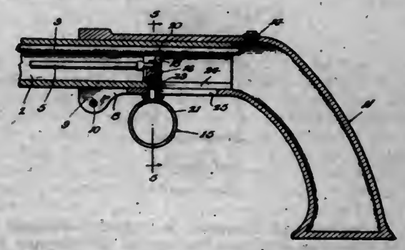
alignment with the main bearings and capable of yielding, and means for conducting a lubricant to the surfaces of the shaft at all points co-extensive with said bearings.

1,482,857. BOX OR CONTAINER. JOHN A. MOORE, Louisville, Ky., assignor to The Mengel Company, Louisville, Ky., a Corporation of New Jersey. Filed Sept. 18, 1919. Serial No. 324,324. 7 Claims. (Cl. 229—45.)



1. A box having four closure flaps arranged in opposite pairs with the flaps of one pair each twice folded once upon itself, and the second fold embracing the sides of the other pair of flaps when the latter are turned inwardly, and fastenings extending through such folded flaps and the embraced portions of the other flaps.

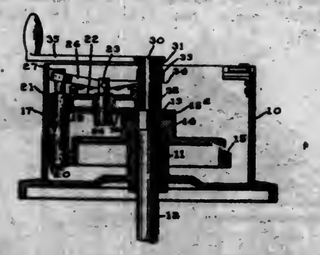
1,482,858. HANDLE-BAR GRIP FOR MOTOR CYCLES. WILLIAM K. NIGH and BENJAMIN H. SCHAFF, Hagerstown, Md. Filed Apr. 25, 1922. Serial No. 556,410. 9 Claims. (Cl. 74—82.)



1. The combination of a motorcycle or bicycle handle bar grip having a downwardly deflected hand grip member and controls supported by the grip in position for actuation one by the thumb and another by another finger of the hand grasping the said hand grip member.

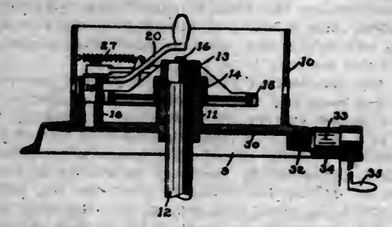
1,482,859. STRINGING-UP OR DRAWING-THROUGH DEVICE FOR WIREDRAWING DRUMS. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, a Corporation of Massachusetts. Filed June 15, 1921. Serial No. 477,814. 11 Claims. (Cl. 205—16.)

1. In a wire drawing machine, the combination with a drum for receiving wire on its surface, of a shaft on which the drum is centered but with respect to which the drum is relatively rotatable, a gear fixed to said shaft, a shaft mounted to rotate with the drum, a pinion on said shaft meshing with said gear, and means for



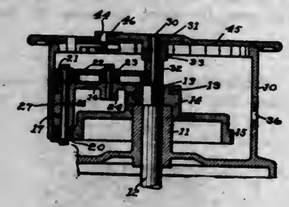
rotating the last named shaft on its own axis, whereby the drum will be forced to rotate independently of the driving shaft.

1,482,860. STRINGING-UP DEVICE FOR WIREDRAWING DRUMS. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, a Corporation of Massachusetts. Filed May 22, 1922. Serial No. 562,601. 6 Claims. (Cl. 205—16.)



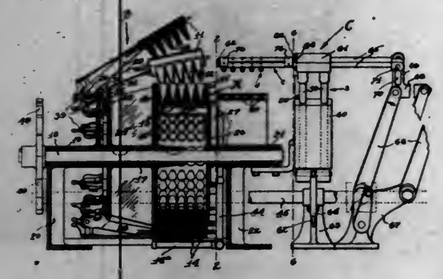
1. In a stringing up device for a wire drawing machine, the combination with a driving shaft and a drum, of means within the drum for rotating the drum positively from the shaft, said means being movable to inoperative position, and a hand operated device outside the drum and at the side thereof for rotating the drum positively independently of the driving shaft at any desired speed.

1,482,861. SLOW-STARTING WIREDRAWING BLOCK. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, a Corporation of Massachusetts. Filed May 22, 1922. Serial No. 562,602. 5 Claims. (Cl. 205—16.)



1. The combination with a wire drawing drum, of a shaft on which the drum is centered, the shaft and drum being relatively rotatable, a positive power transmitting member fixed with respect to said shaft, a hand wheel, means carried by the hand wheel for transmitting the motion of said member to the drum positively, said means being movable to inoperative position, the hand wheel being connected for positively rotating the drum when the first named means is in inoperative condition, and means for rendering the hand wheel inoperative.

1,482,862. MACHINE FOR MOLDING AND BAKING PASTRY CONES. FREDERICK A. OST, Minneapolis, Minn., assignor, by mesne assignments, of forty-nine fiftieths to L. F. Young, St. Paul, Minn. Filed Dec. 18, 1919. Serial No. 345,792. 18 Claims. (Cl. 107—58.)

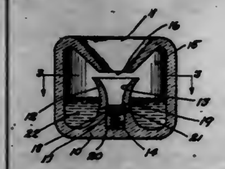


1. In a device of the class described, a mold, a support, a core threaded in said support and designed to seat thereagainst, said core being adapted to register with the mold to form a hollow pastry cone, means for heating the mold, actuating means connected with the core for turning the same to unseat and free it from the pastry and independent actuating means also connected with said core to turn the same in a counter direction and reseat it in said support.

11. The combination with a mold, a core removable from said mold and adapted, when inserted therein, to form a hollow pastry cone and means for heating the mold, of a carrier, a yielding grip supported thereon and comprising a plurality of self expanding members adapted to adjust themselves to the inner peripheries of cones, means for shifting the carrier to direct the grip into a cone within the mold, then remove the same from said mold, and mechanism to compress the yielding members of the grip, whereby the cone is released from the grip.

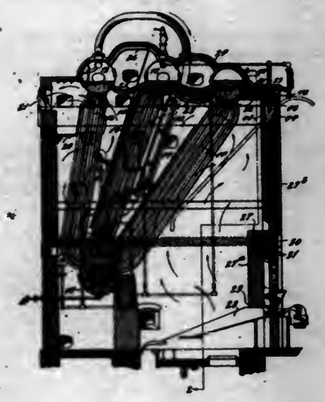
18. In a device of the class described, a battery of molds, a battery of cores for said molds, a core supporting bar into which said cores are threaded and adapted to seat, said cores being arranged in two parallel rows, the cores in one row being threaded oppositely with respect to the cores in the other row, all of said cores being designed to register with their respective mold members to form hollow pastry cones, means for heating the molds, a pulling device extending between the rows of cores and attached to adjacent sides thereof, said device being adapted to turn the cores collectively and thereby slightly withdrawing the same from the molds, a wire for each mold attached thereto to the side opposite said pulling device and individual yielding means connected with each wire for severally and individually turning said cores to reseat the same in molding positions.

1,482,863. INKWELL. ANTONI PIORKOWSKI, Somers, Conn. Filed Feb. 28, 1922. Serial No. 539,818. 3 Claims. (Cl. 120—65.)



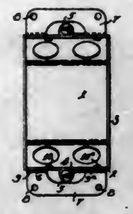
2. A fountain ink stand comprising an integral hollow casing having a top depressed at the center, and an annular raised boss integral with and extending upwardly from the center of the casing bottom, a well having outwardly curved sides forming an inverted cone, there being an annular recess below said well having by-passes connecting therewith, and a spring pressed disc operative in the mentioned recess, said disc having a pen receiving depression.

1,482,864. STEAM BOILER AND SETTING THEREFOR. ARTHUR D. PRATT, Short Hills, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 13, 1921. Serial No. 469,167. 9 Claims. (Cl. 110—99.)



1. A boiler of the general Stirling type, having a front setting wall extending to the upper portion of the front bank of tubes, a roof arch resting on the front setting wall and extending rearwardly from the front wall toward the bank and metallic supports for said arch arranged to allow for relative movement.

1,482,865. SWITCH BOX. CHARLES RAUS, Cleveland, Ohio, assignor, by mesne assignments, to E. E. Lawrence, Fairport Harbor, Ohio, trading as Standard Electrical Manufacturing Company. Filed May 29, 1920. Serial No. 385,115. 10 Claims. (Cl. 247—21.)



1. A box of the character described comprising an end having a pair of slots therein, an ear having a pair of projections adapted to be inserted into said slots and to engage the inner wall of such end, and a screw carried by said box and adjustable toward a cooperating portion of such ear thereby to engage such portion and anchor the said ear upon such end.

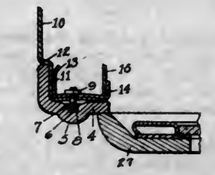
1,482,866. OVEN. ALFRED J. REEDY, Battle Creek, Mich., assignor to A-B Stove Company, Battle Creek, Mich. Filed Nov. 11, 1922. Serial No. 600,246. 9 Claims. (Cl. 126—39.)

9. In an oven, the combination of a front frame of angled cross section disposed to face inwardly and comprising top and side members, the outer arms of the frame side members providing seam members, side walls having seam members at their forward edges engaged in said seam members of said frame, said side walls having seam members on their upper edges, and a top having seam members on its side edges engaged with



said seam members at the top of said side walls, the front edge of the top being engaged with the outer arm of said frame top member.

1,482,867. STOVE. ALFRED J. REEDY, Battle Creek, Mich., assignor to A-B Stove Company, Battle Creek, Mich. Filed Nov. 11, 1922. Serial No. 600,245. 15 Claims. (Cl. 126—39.)



15. A stove body comprising a frame member of angle cross section disposed with the angle facing inwardly, one arm of said frame having a longitudinal raised rib struck up therefrom providing an internal channel, and attaching members disposed in said channel.

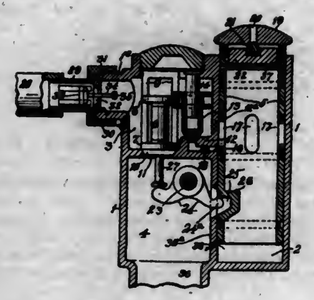
1,482,868. PISTON. EUGENE C. RICHARD, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 29, 1922. Serial No. 547,724. 7 Claims. (Cl. 74—108.)



1. In combination with a hollow piston having a transversely extending piston pin, a groove in its peripheral surface extending circumferentially thereof and across the ends of the piston pin, and a hole arranged substantially at right angles to the axis of the piston pin and extending through the piston wall and into the groove aforesaid; a split ring located within said groove; a plunger extending through said hole and engaging the inner surface of said ring; and a U-shaped spring member the sides of which are supported by said piston pin and the middle portion of which is operatively connected with said plunger.

1,482,869. FLUSHOMETER. JOHN ROGERS, Devon, Conn. Filed Sept. 6, 1921. Serial No. 498,854. 4 Claims. (Cl. 137—93.)

1. A flushometer of the character described comprising a casing having three communicating chambers, a reciprocating hollow plunger in one chamber having an air vent, a float adapted to close the vent, a flush and relief valve in the second or valve chamber, said relief valve operatively connected with the flush valve, a lever located in the third or flush chamber in touch with the flush valve and plunger so that the inward movement of the plunger will actuate the lever to open both of said valves and temporarily hold the plunger in its inward position to permit the greater volume of water to pass from the valve chamber into the flush chamber, while a smaller volume of water passes through the relief valve into the interior of the plunger to return the



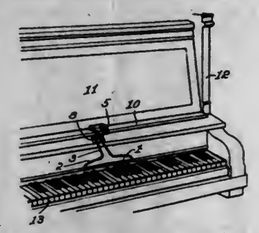
same to its normal position and close the air vent and permit the inlet water pressure to close both valves, and means whereby the water from the plunger is discharged into the flush chamber.

1,482,870. STREET OR STATION INDICATOR. MIKE SLAWIENSKI, Camden, N. J. Filed Mar. 2, 1923. Serial No. 622,238. 4 Claims. (Cl. 40—89.)



1. A street or station indicator including a pair of rolls, an apron bearing street or station indications wound upon said rolls with their ends fixed to the rolls, a spring for rotating one of the rolls and rotating the other roll through the medium of the apron, a ratchet wheel associated with the other roll, a check pawl cooperating with the ratchet wheel to prevent retrograde movement of the rolls, a primary operating lever, a primary pawl pivoted to said lever and coacting with the ratchet wheel to advance the same, and means to temporarily disengage the primary and the check pawls from the ratchet wheel to permit a retrograde movement thereof.

1,482,871. CHILD'S MUSIC RACK. LULU TEETER SMITH, Waterloo, Iowa. Filed Dec. 1, 1922. Serial No. 604,352. 2 Claims. (Cl. 45—58.)



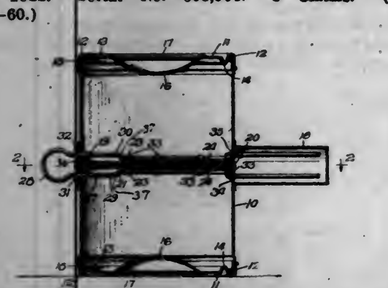
1. A child's music rack, consisting of a single elastic rod medially bent into a substantially horizontal elongated loop the forward longitudinal reach of which is slightly bowed upwardly to serve as a front stop for music sheets, end parts of the rod being angularly projected from said loop in one direction slopingly upwardly with their terminals recurved upon themselves with extremities in alinement to provide resilient clips.

1,482,872. STORAGE BATTERY. LOUIS G. STECKER, Philadelphia, Pa. Filed Oct. 11, 1922. Serial No. 593,735. 8 Claims. (Cl. 204—29.)



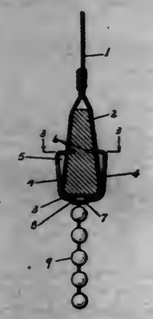
1. In a storage battery, the combination with negative plates having slots opening through their bottoms, of other negative plates having slots opening through their top and end negative plates, whereby said negative plates can be assembled to form polygonally shaped compartments, and positive plates in said compartments.

1,482,873. SIFTER. GEORGE J. ULLRICH, deceased; by Alice Ullrich, executrix, Chicago, Ill., assignor, by mesne assignments, to Ullrich Tinware Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 26, 1922. Serial No. 608,904. 5 Claims. (Cl. 83—60.)



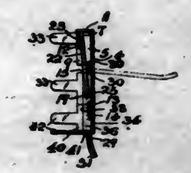
1. A sifter comprising a hollow cylinder having a sifter screen extending transversely of said cylinder and dividing the interior thereof into two compartments, covers for the ends of said cylinders having depressions in the outer faces thereof, and handles for said covers extending across said depressions and substantially in the planes of the ends of said cylinders.

1,482,874. SHADE PULL. THADDEUS S. WAIT, Sturgis, Mich. Filed Aug. 3, 1923. Serial No. 655,493. 5 Claims. (Cl. 156—40.)



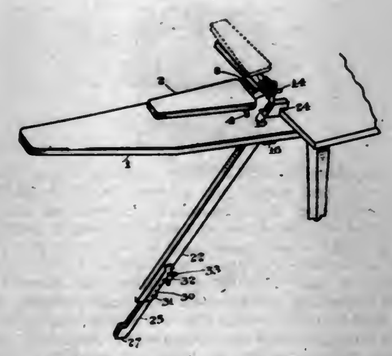
5. A shade pull comprising a U-shaped sheet metal clip adapted to be clamped upon the bottom bar of the shade, the arms of said clip having inturned edge flanges, and bar engaging brads projecting from the edges of said flanges.

1,482,875. CATCH. WILLIAM WALKER and HENRY H. WEBER, Newark, N. J., assignors to Rosenband M'f'g. Co., Newark, N. J., a Corporation of New Jersey. Filed Nov. 23, 1922. Serial No. 602,743. 6 Claims. (Cl. 292—249.)



1. A catch comprising a main chambered member, provided with longitudinally extending wall-flanges, a U-shaped spring within said member having its free end-portions respectively secured to said longitudinally extending wall-flanges, means within said chambered member with which the bowed portion of said spring is in retained engagement, a hasp-plate pivotally connected with said main chambered member, a cam-member connected with said hasp-plate in movable engagement with said spring within said main chambered member, and a hasp-plate engaging member provided with means with which the said spring-actuated hasp-plate is adapted to be brought into locked engagement.

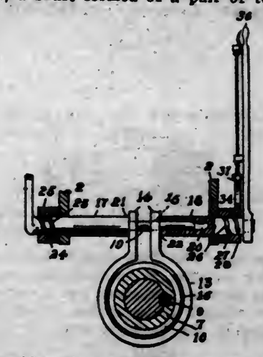
1,482,876. IRONING BOARD. HARRY WARR, Montreal, Quebec, Canada. Filed Aug. 29, 1921. Serial No. 496,527. 1 Claim. (Cl. 68—10.)



In an ironing table, a pivot post, a sleeve on said post provided with a set screw for adjustably holding said sleeve in position and with a pair of parallel lugs, a bracket having front and lateral horizontal projections, a downward extension forming a leg, and a rearward extension pivoted between said lugs and a sleeve board mounted upon said projections.

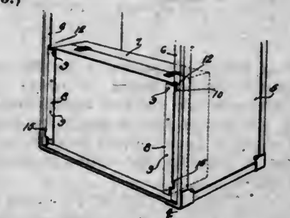
1,482,877. TRACTOR BRAKE. JAMES WHYEL, Pittsburgh, Pa. Filed Oct. 15, 1921. Serial No. 507,856. 2 Claims. (Cl. 188—77.)

1. A brake for a tractor comprising a brake drum adapted to be mounted on the transmission worm of the tractor, a band encircling the drum and provided with a pair of lugs, a shaft formed of a pair of telescopic sec-



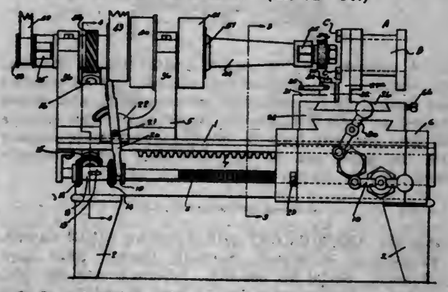
tions, one of said sections extending through said lugs, and means whereby either of said sections can be actuated to tension the band with respect to the drum.

1,482,878. RECEPTACLE RETAINER FOR TRUNKS. CARL P. ALBERT, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Apr. 3, 1922. Serial No. 549,037. 4 Claims. (Cl. 190—13.)



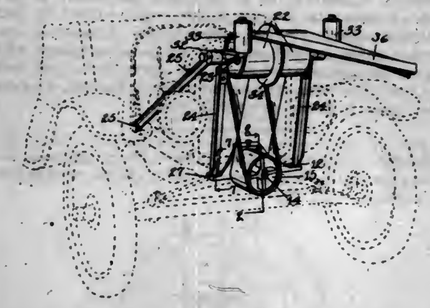
1. In a wardrobe trunk having a plate projected inwardly from each side thereof, a receptacle, plates secured to the receptacle one adjacent each edge and projected therebeyond to overlie the trunk carried plates when the receptacle is positioned within the trunk, projections extended inwardly from each receptacle carried plate near the upper end of the receptacle, said projections being insertable through sloits in the trunk carried plates, and parts carried by the projections and engageable behind the trunk carried plates to removably secure the receptacle in the trunk.

1,482,879. BORING MACHINE. JOHN E. ARTHUR and CHARLES L. MOODY, Lane, Ill. Filed Sept. 17, 1920. Serial No. 410,867. 2 Claims. (Cl. 51—50.)



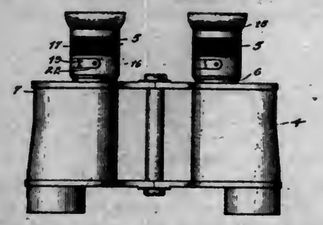
1. In a boring machine, in combination, a bed, a driving head thereon, a grinding member connected axially with said head, a table movable longitudinally of the bed, a second table movable on said first table and transversely of the bed, a cylinder block support having a detachable connection with said second table and provided with horizontally disposed openings spaced equal to the openings in the cylinder block, and also provided with vertically disposed openings spaced equal to said horizontal openings, and means to enter said vertical openings to lock the second table and cylinder block support in adjusted positions relative to said grinding member.

1,482,880. POWER ATTACHMENT FOR MOTOR VEHICLES. BEN D. BARTON, Jackson, Mich. Filed Nov. 11, 1922. Serial No. 600,460. 13 Claims. (Cl. 180—53.)



1. The combination in a structure of the class described, of a chassis frame provided with a front cross member, a supporting bracket secured to said front cross member, a pulley supporting frame having a longitudinally disposed pulley spindle bearing and laterally projecting arms detachably secured to said bracket, a belt, a driving pulley provided with a spindle disposed in said bearing, a driving shaft, a clutch connection for said shaft and spindle comprising jaw clutch members on said shaft and spindle and an axially movable clutch member shaft having jaw clutch members thereon coacting with the clutch members of said driving shaft and spindle, the clutch members being held in engagement when said pulley supporting frame is mounted on said bracket, a spring for yieldingly holding said clutch member shaft in its clutch disengaging position when said pulley supporting frame is removed, a pair of idler pulleys, a shaft therefor disposed above and transversely of said driving pulley, idler shaft supporting uprights detachably engaged with said arms and provided with bearings for said idler shaft, and disengageable braces connecting said idler pulley shaft to said chassis frame.

1,482,881. TELESCOPE ADJUSTMENT. PER JOHAN BEAGGREN, Chicago, Ill. Filed Feb. 24, 1919. Serial No. 278,920. 3 Claims. (Cl. 88—34.)



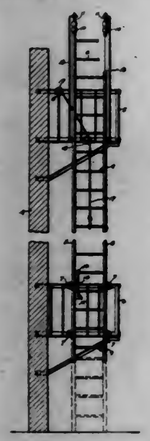
1. In a device of the character set forth, the combination of a cylindrical member having a circumferential spiral groove therein, a sleeve telescoping with said member and fitting closely thereover, said sleeve having an integrally formed yielding tongue lying entirely within the same plane as the wall of said sleeve and having a projection for engagement with said groove.

1,482,882. FLOAT FOR STEAM TRAPS AND THE LIKE. JOHN ROWLAND BROWN, Cleveland, Ohio, assignor to The Reliance Gauge Column Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 5, 1921. Serial No. 505,524. 3 Claims. (Cl. 137—104.)



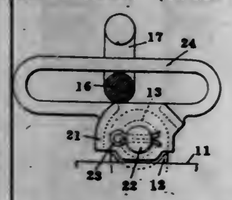
3. In a device of the character described, the combination of a hollow core having an aperture, a depression being formed in the wall of said core surrounding such aperture, a plate fitted in such depression and formed with an inwardly directed hollow boss received in such aperture, and a threaded nipple providing external connecting means for said core, said nipple being formed with a head of polygonal cross section received in such boss and the latter being crimped inwardly at its base, whereby said nipple is firmly secured thereto.

1,482,883. DROP LADDER. JOSEPH HENRY BULGER, Los Angeles, Calif. Filed Nov. 23, 1922. Serial No. 602,710. 4 Claims. (Cl. 227—5.)



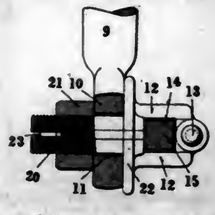
1. A drop ladder slidably mounted on a support and having closed hollow upright posts joined by rungs, said posts being adapted to be filled with fluid, piston rods fixed to said support and slidably extending into said posts, and check pistons secured to said rods.

1,482,884. COUPLER RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo. Filed Sept. 23, 1922. Serial No. 590,063. 2 Claims. (Cl. 213—168.)



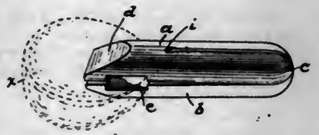
1. In a device of the class described, the combination, with a vertical plane coupler provided with a lock pin, of a shaft therefor mounted for rocking movement only and having an operating arm, and a housing adapted to fit over the upper end of said lock pin, said housing being provided with an elongated auxiliary eye through which said arm passes.

1,482,885. COUPLER RELEASE RIGGING. STERLING H. CAMPBELL, St. Louis, Mo. Filed June 22, 1923. Serial No. 646,995. 6 Claims. (Cl. 213—170.)



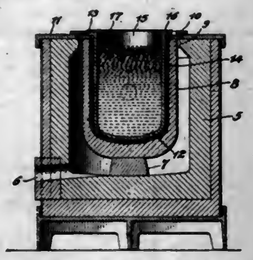
1. In a device of the class described, the combination with a coupler lock pin, of an operating arm therefor, a link extending between said parts, and a connector formed of two parts adapted to be applied to the stem of the link and engaging the operating arm.

1,482,886. HOLDER FOR CLEANING DEVICES. MARTHA S. COLT, Mount Wolfe, Pa. Filed July 1, 1922. Serial No. 572,176. 3 Claims. (Cl. 15—147.)



1. A holding device comprising a handle formed of two substantially similar pieces, a spring extending around said pieces at one end and longitudinally of the body thereof, one end of said spring being anchored in each of said pieces at points spaced from the ends thereof, and means to maintain said spring in position relative to said pieces.

1,482,887. CRUCIBLE. CHARLES S. COLLINS, New York, N. Y., assignor, by mesne assignments, to The Bellis Heat Treating Company, New Haven, Conn., a Corporation of Connecticut. Filed Aug. 30, 1920. Serial No. 406,870. 14 Claims. (Cl. 263—48.)



1. A crucible open at its top and having an external wall resistant to oxidizing atmospheres, and an internal wall neutral to the action of chemical salts, and means adapted to extend within the upper end of the crucible and into the salt bath to prevent atmospheric contact with the upper end of the inner wall, which extends above the level of the bath.

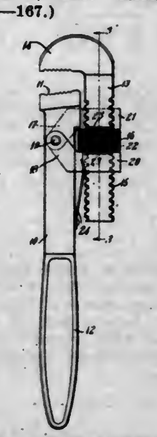
1,482,888. INSTRUMENT FOR TIPPING SHOE LACES. FRANCIS B. CONVERSE, Norwalk, Conn. Filed Mar. 29, 1920. Serial No. 369,494. 8 Claims. (Cl. 81—15.)

1. A tool for applying tips to laces comprising a pair of jaws movable toward and from each other, said jaws being provided with registering grooves and a recess in one of the grooves having its outer face extending tangential to the outer face of the coacting groove when



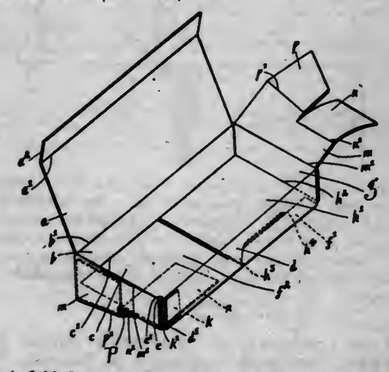
the grooves are brought into registering relation for engaging the straight portion of the partially curved tip blank.

1,482,889. PIPE WRENCH. JOHN F. DELANEY, Boston, Mass. Filed Feb. 7, 1923. Serial No. 617,477. 7 Claims. (Cl. 81—167.)



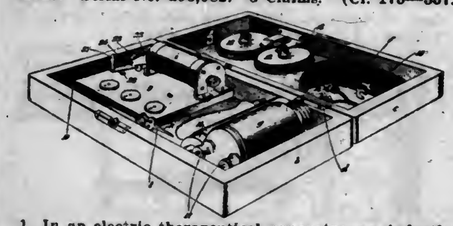
1. A wrench having, in combination, a main shank with a jaw thereon, an auxiliary shank with a jaw thereon, a nut having screw-threaded engagement with said auxiliary jaw, a yoke comprising two independent separable arms and means securing said arms to the main shank, the free ends of each of said arms engaging opposite ends of said nut.

1,482,890. CARTON. HENRY FUERTE, Cincinnati, Ohio, assignor to The United States Printing and Lithograph Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 6, 1920. Serial No. 401,677. 9 Claims. (Cl. 206—44.)



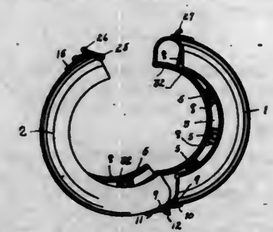
2. A folded carton comprising a back, an end ply attached to the back, a flange on the end ply, a tongue on the flange, a support ply on the flange, an outer bottom ply, and an inner bottom ply, the support ply being adapted to be turned upon the flange and be secured between and in contact with the flange and the end ply by inserting the tongue between the outer bottom ply and the inner bottom ply.

1,482,891. FARADIC MEDICAL APPARATUS. JOHN JOSEPH GHEGAN, East Orange, N. J. Filed Apr. 28, 1919. Serial No. 293,082. 6 Claims. (Cl. 175—357.)



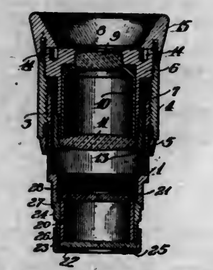
1. In an electric therapeutical apparatus, an induction coil, in combination with a single point vibrating contact, a manually operated switch for blocking or releasing said vibrating contact, and means, independent of the vibrating contact, for accelerating the releasing action of the manually operated switch.

1,482,892. COVER FOR TIRES. FREDERICK R. GOEHNER, Utica, N. Y. Filed Feb. 24, 1922. Serial No. 538,037. 2 Claims. (Cl. 150—54.)



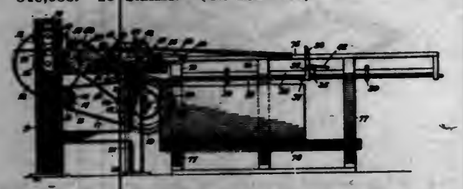
1. In a cover for a tire, semicircular members for enclosing said tire, a member having a recess formed on one of said semicircular members, another member having a hook formed on the other one of said semicircular members, whereby said semicircular members will demountably engage each other to enclose a tire, and pieces of felt having V-shaped grooves disposed at intervals within said semicircular members, whereby to form an air space to prevent the rotting of the tire.

1,482,893. LENS MOUNT FOR OPTICAL INSTRUMENTS. EDWIN HART, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 20, 1920. Serial No. 418,152. 9 Claims. (Cl. 88—32.)



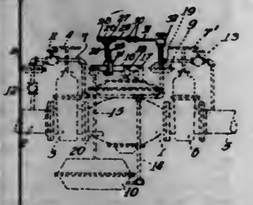
1. In a lens mount for optical instruments, the combination of front and rear combination lenses, a tube for spacing said lenses, and means for retaining said lenses in position on said spacing tube, said means comprising a tube adapted to engage the front combination lens and having an inwardly projecting externally threaded sleeve surrounding the spacing tube and an internally threaded sleeve surrounding said tube and the rear lens and adapted to retain the rear lens in position on the tube.

1,482,894. MACHINE FOR MAKING CORRUGATED BOARD. BERG HEINRICHS, Anderson, Ind., assignor to Mid-West Box Company, Anderson, Ind., a Corporation of Indiana. Filed Aug. 18, 1919. Serial No. 318,088. 13 Claims. (Cl. 164—49.)



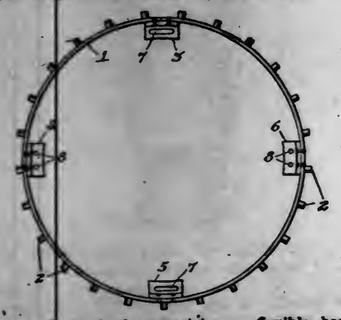
1. In a machine of the character described, the combination of mechanism for continuously feeding a web of flexible material, such as corrugated board, power operated cutter mechanism for severing sheets from the web, and means for controlling the operation of the cutter mechanism comprising an element which is sufficiently sensitive to be shifted by and which engages the edge of the flexible web without buckling and connected to start said mechanism, and power-operated means to automatically restore said element to a predetermined normal position after each operation.

1,482,895. GAS REGULATOR. CHRIST HENRICHSEN, Jr., Wilmette, and EDMUND A. LUNEY, Evanston, Ill. Filed Feb. 4, 1921. Serial No. 442,439. 12 Claims. (Cl. 50—10.)



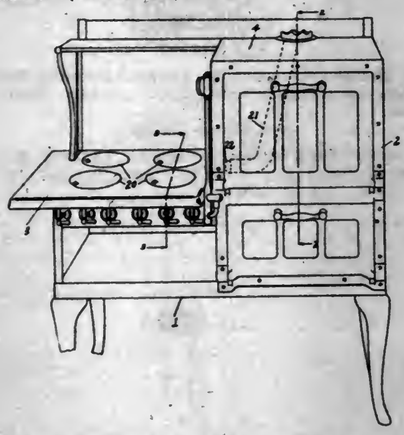
8. The method of delivering gas at a variable pressure from a Reynolds type valve having a main valve and a regulator controlling the same, which comprises varying the load of the regulator as a function of the opening of the main valve.

1,482,896. SPROCKET WHEEL. HIRAM H. HUNTINGTON and EDWARD H. CURETON, Richmond, Ind. Original application filed Aug. 20, 1919, Serial No. 318,630. Divided and this application filed Apr. 17, 1922. Serial No. 554,307. 2 Claims. (Cl. 74—31.)



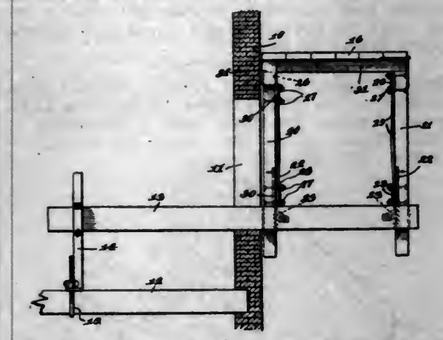
1. A sprocket wheel comprising a flexible band bent into circular form and provided with sprocket teeth struck out radially therefrom and a plurality of supporting brackets fixed to the inner side of the band at spaced points in its circumference, one of which has the united ends of the band fixed thereon.

1,482,897. GAS STOVE. GEORGE W. HOWES, Dowagiac, Mich., assignor to The Beckwith Company, Dowagiac, Mich. Filed July 19, 1923. Serial No. 652,503. 3 Claims. (Cl. 126—39.)



3. The combination in a gas stove, of an oven comprising spaced inner and outer walls providing a circulating passage, there being a flue discharge for said passage, a burner chamber disposed at the side of said oven and provided with a grid top, and a discharge flue for said second burner chamber disposed in said circulating passage.

1,482,898. SCAFFOLD. FRANK B. JOHNSTON, New York, N. Y., assignor to American Safety Device Company, a Corporation of New York. Filed Jan. 11, 1922. Serial No. 528,567. 9 Claims. (Cl. 304—26.)



1. In a scaffold, outriggers, inner and outer uprights mounted for vertical adjustment upon the outriggers, a platform adapted to be removably supported across the outriggers, and braces carried by the uprights adapted to be folded into positions above the outriggers for supporting said platform at various elevations above the outriggers.

1,482,899. PROCESS OF PURIFYING CRUDE SYNTHETIC CAMPHOR. JOHANNES M. KESSLER, West Orange, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 16, 1920. Serial No. 351,936. 10 Claims. (Cl. 260—133.)

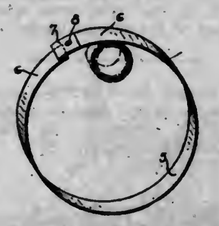
1. The process which comprises heating crude synthetic camphor for from about 20 to 30 hours at a temperature above 190° C. and below that at which camphor itself begins to decompose.

1,482,900. CAR BASKET RACK. JOHN KIRBY, Jr., Dayton, Ohio, assignor to The Dayton Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed June 26, 1922. Serial No. 571,012. 2 Claims. (Cl. 224—29.5.)



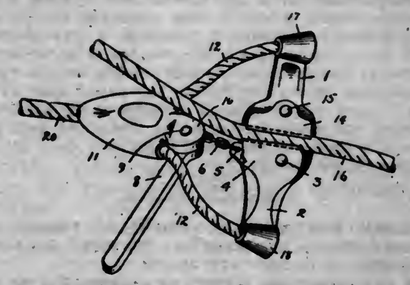
1. In a basket rack, end brackets having provision for attaching the same to a suitable support, supporting lugs adjacent the rear ends of the brackets, and screw threaded members at the front ends thereof; said lugs and said members projecting laterally from the sides of the brackets, in combination with a bottom-section between said brackets the rear of which is supported upon said lugs clear of the brackets, horizontally disposed covering lugs projecting from the sides of the brackets above said bottom-section adapted to prevent upward movement of the latter, and means for coupling the front of said bottom-section to said screw threaded members.

1,482,901. RIM LINER. ABRAHAM I. LEVIN, Far Rockaway, N. Y. Filed May 28, 1923. Serial No. 641,806. 1 Claim. (Cl. 152—20.)



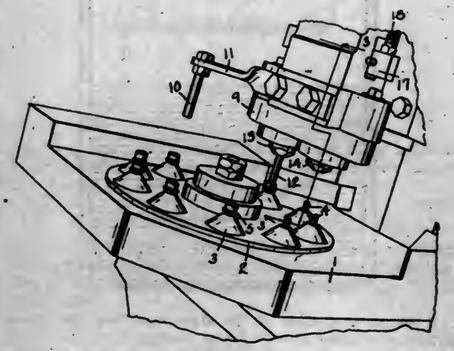
A rim liner consisting of a fabric band, adapted to be placed around the rim of a wheel, the ends of said band being adapted to be joined and held together by an adhesive substance, and one of said ends being reinforced.

1,482,902. CABLE CLAMP. JOHN MARTINSON, Wrenshall, Minn. Filed June 18, 1923. Serial No. 645,939. 3 Claims. (Cl. 24—132.)



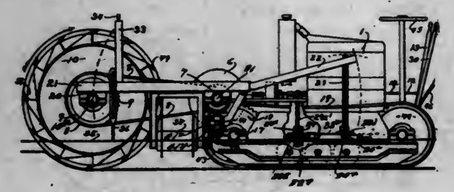
1. A cable take up comprising in combination a holding cable, a spider permanently attached to the end of said cable having resilient bridle arms extending therefrom, and two pivotally united cable gripping elements suspended upon the free termini of the bridle cables.

1,482,903. MACHINE TOOL AND METHOD OF MANUFACTURING NUTS AND THE LIKE. WILLIAM R. MORGAN, Jackson, Mich. Filed July 24, 1922. Serial No. 577,140. 6 Claims. (Cl. 10—77.)



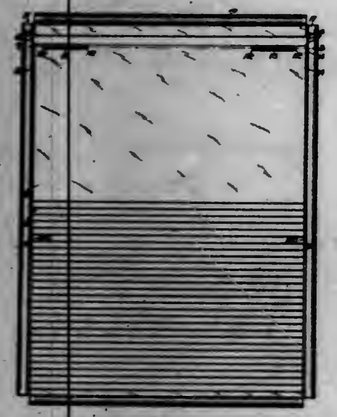
4. In a structure of the class described, the combination with a plunger head, of a work table, a plurality of work holders on said work table having studs adapted to receive the work, roughing and finishing cutters mounted on said plunger head, said cutters being mounted so that they act successively on the work as it advanced by said table, a stripper coacting with said roughing cutter to prevent the withdrawal of the work from the holder on the retracting movement of the roughing cutter, and a stripper coacting with said finishing cutter for ejecting the work therefrom on the return stroke of the plunger.

1,482,904. ROAD-SURFACING MACHINE. JAMES R. MOORE and THOMAS B. MOORE, Wichita, Kans. Filed Nov. 15, 1921. Serial No. 515,237. 2 Claims. (Cl. 37—108.)



1. In a tractor driven road surfacing machine, a horizontal transverse driven shaft rotatably mounted thereupon; a driven drum horizontally rotatable at the forward end of said machine; a driven conveying mechanism transversely arranged directly in rear of said drum, knife elements on said drum leading from end to end thereof, and recessed shoveling elements under said knives; and means for rotating said shaft, drum and conveyor whereby under intermittent forward movements of the tractor, the knife and recessed elements of the drum are rotatable towards the transverse conveying mechanism from above.

1,482,905. FILING AND INDEXING EQUIPMENT. JOHN T. QUIGLEY, Boston, Mass., assignor to Costmeter Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 2, 1918. Serial No. 260,845. 14 Claims. (Cl. 129—16.)



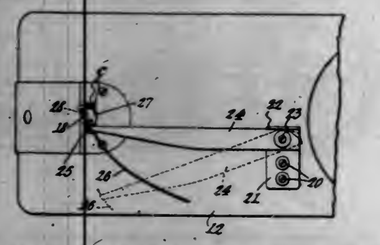
2. In an equipment of the class described, the combination of a sheet provided with perforations, sheet-holding means comprising two individually distinct members mounted to slide into and out of said perforations, and means providing supports for said members.

1,482,906. POWDER FOR REDUCING IRRITATION. WILLIAM H. ALLEN, Detroit, Mich. Filed July 28, 1922. Serial No. 578,232. 4 Claims. (Cl. 167—9.)

1. The process of preparing a powder for reducing the irritation of human skin, which consists in moistening powdered talc with a solution of basic chromium sulphate and then drying the mixture, the amount of chromium salt in the dried mixture being about five percent of the whole.

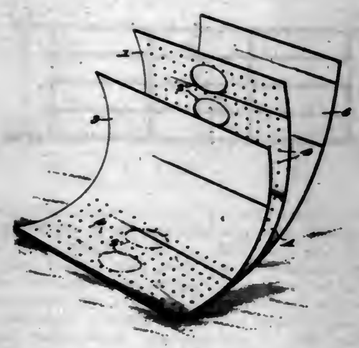
4. Powdered talc having its particles covered with a film of soluble chromium sulphate.

1,482,907. SEWING-MACHINE ATTACHMENT FOR SPIRAL STITCHING. WINFIELD L. BROOKS and WILLIAM M. SMITH, Worcester, Mass., assignors to Royal Worcester Corset Company, a Corporation of Massachusetts. Filed Oct. 12, 1922. Serial No. 594,140. 10 Claims. (Cl. 112—139.)



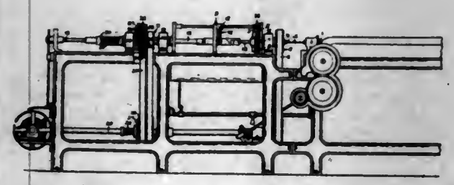
9. A sewing machine attachment for spiral stitching comprising a vertically movable and yieldingly mounted impaling pin on which the work may be turned, a guide adapted to direct a filling element between two plies of fabric and closely adjacent to the needle of the machine, a presser foot having in its bottom a plurality of curved grooves which are located mostly at one side of the feed dog of the machine, the said guide being carried by a pivoted arm which may be swung outward away from the needle when the guide is not in use, and means for lifting said impaling pin and holding same in raised position.

1,482,908. LAMINATED STRUCTURE. JOHN W. BUNKER and ASHTON M. BONEY, New York, N. Y., assignors to Service Bag Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 26, 1921. Serial No. 448,177. 1 Claim. (Cl. 154—46.)



A flexible, composite material composed of a plurality of laminations, including an intermediate lamination of thin sheet metal having holes therethrough and indentations made from one side thereof, the projecting ends of which are made to enter and fasten to the adjacent lamination and an agglutinant between the metal layer and the other adjacent fibrous layer which causes the two to adhere by covering the adjacent surfaces, entering the indentations and extending through the holes to the layer on the opposite side of the metal layer whereby a single product is formed of the several layers.

1,482,909. WINDING APPARATUS. JAMES BIRDSALL CALKINS, Auburn, N. Y., assignor to Marcus E. Calkins, Ithaca, N. Y. Filed Apr. 16, 1923. Serial No. 632,378. 15 Claims. (Cl. 118—51.)



1. In an apparatus of the character described, a delivering element driven at a constant rate of speed, a receiving element, a rotary shaft connected to the receiving element and rotating therewith, a disk rotating with the rotary shaft, a gear journaled on an eccentric portion of said disk, a second gear meshing with the first-named gear, means for driving the second gear at a rate of speed corresponding to the speed of the delivering element, and means driven by the first-named gear for causing a traversing movement of the said shaft during its rotary movement.

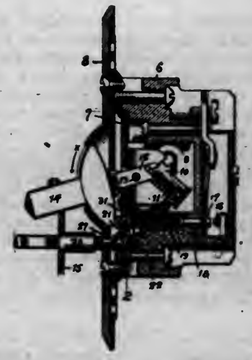
1,482,910. PERFORMANCE PEDESTAL. VIRGILIO CARONTI, Chicago, Ill. Filed Apr. 13, 1923. Serial No. 631,756. 5 Claims. (Cl. 46—70.)

1. In a performance pedestal for acrobatic and like exhibitions, the combination of a tubular post the lower end of which is adapted to rest upon the floor, guy ropes for holding the post in a vertical position, a platform

revolubly mounted at the upper end of the post by a plate on the underside of said platform, with said plate having a depending sleeve portion encircling the upper end of the post and a vertical spindle fitting and turning in the upper end of the bore of said post.



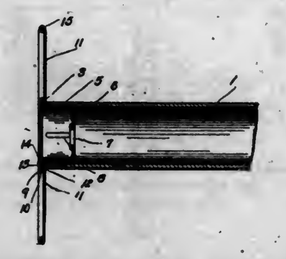
1,482,911. ELECTRIC SWITCH. HOYT CATLIN, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 7, 1922. Serial No. 573,423. 12 Claims. (Cl. 177—339.)



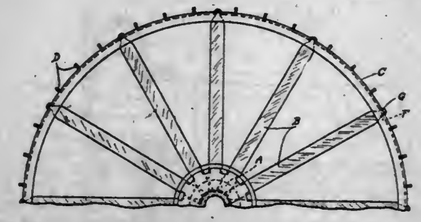
7. In a signal system having independent signal devices, control means therefor comprising a series of pairs of switch devices, each pair adapted to control said independent signal devices, and means for rendering impotent, in any pair, the switch controlling one of the signal devices without affecting the operation of the other switch of said pair, or the operation of any of the switches of the remaining pairs.

1,482,912. PAPER REEL. ARTHUR W. CAPS, Kansas City, Mo. Filed Dec. 22, 1922. Serial No. 608,433. 3 Claims. (Cl. 242—124.)

1. A removable head for reels comprising a cylindrical member having one end turned inwardly to provide an inwardly projecting flange surrounding an opening, and the other end having an outwardly projecting flange, and a separate, ring-shaped flange member having a central opening, the metal of the flange member surrounding the central opening being bent back upon itself to form a reinforcing fold and then again bent in to form a wall in spaced relation to the fold whereby a groove is provided to receive the outwardly projecting flange on the end of the cylindrical member, the cylindrical member being adapted to be received in one end of a tubular mandrel upon which the material to be wound is received.

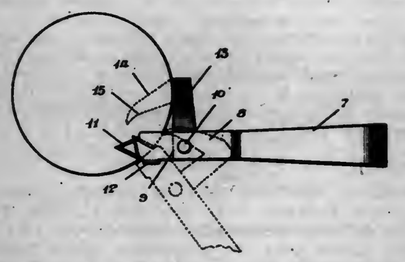


1,482,913. TRACTOR WHEEL. JAMES HARRY CLARK and THOMAS C. WHITEHEAD, Detroit, Mich. Filed Apr. 20, 1921. Serial No. 463,026. 5 Claims. (Cl. 301—104.)



2. A vehicle wheel comprising a hub, a rim and spokes formed of bar metal, tubularly fashioned at their outer ends and engaged in openings in the rim and upset to form heads upon the exterior face of the rim.

1,482,914. CAN OPENER. JOSEPH J. DAIGLE, Robertville, New Brunswick, Canada. Filed Mar. 14, 1922. Serial No. 543,795. 2 Claims. (Cl. 30—3.)



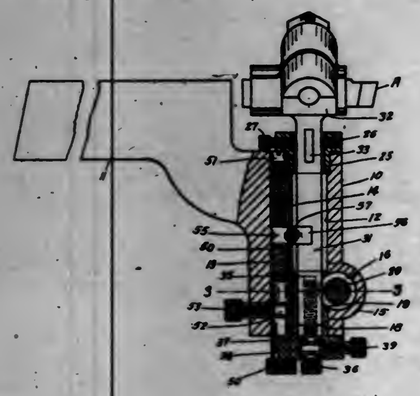
1. A can opener composed of a single piece of material and comprising a looped handle having one end portion secured on the other, the upper end portion projecting beyond the lower end portion to overlap the top of the can, said projecting portion having a downwardly bent lug to bear against the can, the lower end portion having a rigid arm extending laterally and provided with a cutting blade to enter the can.

1,482,915. WINDOW VENTILATOR. ROBERT F. DOLEZAL, Chicago, Ill., assignor of one-half to Frederick C. Whippey, Chicago, Ill. Filed Feb. 18, 1922. Serial No. 537,459. 8 Claims. (Cl. 98—31.)



2. A ventilator comprising a plurality of inclined slats, the top edge of each slat being connected to the next adjacent slat by a substantially horizontal strip which joins the said adjacent slat at a point between the upper and lower edges of the inclined portion thereof.

1,482,916. TOOL HOLDER. DELANO H. DUGAR, Cleveland, Ohio. Filed Aug. 6, 1921. Serial No. 490,286. 2 Claims. (Cl. 29—98.)



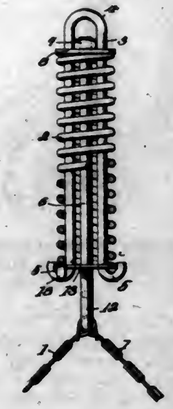
1. A tool holder comprising a body having a shank portion for mounting said body in a suitable support, a tool-post carried by said body, means for rigidly clamping the lower end of said tool-post in said body while leaving the upper end of said tool-post free to oscillate or vibrate laterally, means adjustable longitudinally of the tool-post for reenforcing the post at any point above its fixed support in the body and means for mounting a cutting tool in the upper end of the said post.

1,482,917. MOTION-CHECKING DEVICE. JOHN H. DURNO, Rochester, N. Y. Filed July 17, 1922. Serial No. 575,497. 6 Claims. (Cl. 16—51.)



1. The combination with a cylinder attachable to one of a pair of relatively movable elements and arranged in approximately horizontal position when in operation, of a piston movable in the cylinder and provided with a free opening near the bottom thereof, a piston-rod carrying said piston and attachable to the other of said pair of relatively movable elements, and a relatively small body of liquid in said cylinder, said opening in the piston permitting flow of said liquid in either direction through the piston whereby the liquid passes to opposite sides of the piston only through said opening.

1,482,918. COMPRESSIBLE SPRING. FRANK DUTCHER, Versailles, Pa. Filed May 26, 1922. Serial No. 563,805. 3 Claims. (Cl. 267—72.)



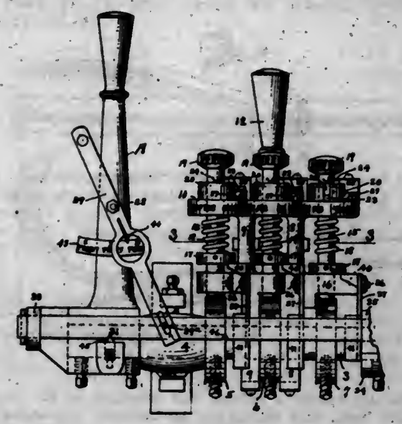
1. A compressible spring comprising a coil spring, a U-shaped member having its free ends provided with out-turned hooks and passing longitudinally through the spring and of a length extending beyond the spring to form an eye, a washer having a slot and an opening for the free ends of the U-shaped member and located between that end of the spring and the hooks, the outer wall of the slot of the washer turned downward, a washer for the opposite end of the spring provided with oppositely extending slots to receive the legs of the U-shaped member, the washers having centralized openings, a rod passing through said openings with its screw-threaded end at the bend of the U-shaped member, a nut on the screw-threaded end locked by engagement with the legs thereof, the opposite end of the bolt provided with supporting means for the purpose described.

1,482,919. PROCESS OF MAKING RESINOUS MATERIALS. CARLETON ELLIS, Montclair, and HARRY M. WEBER, Bloomfield, N. J., assignors to Ellis-Foster Company, a Corporation of New Jersey. Filed May 9, 1921. Serial No. 468,140. 10 Claims. (Cl. 134—26.)

7. A process of making a resinous material which comprises heating an alkaline earth metal resinate with an alcohol to form a resinous complex of relatively low acid number, and treating such resinous complex with a liquid which is a solvent of the acid resins but which is not a good solvent for the non-acid resins present.

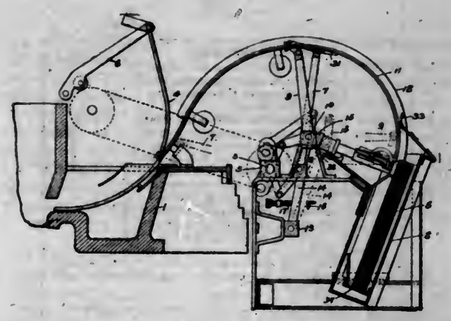
1,482,920. SWITCH-CONTROL DEVICE. HARRISON J. L. FRANK, Detroit, Mich., assignor to Mutual Electric and Machine Company, Detroit, Mich., a Corporation of West Virginia. Filed Dec. 29, 1922. Serial No. 609,561. 12 Claims. (Cl. 74—39.)

1. In a switch control device, a shaft and a handle thereon to turn the shaft back and forth, a switch-operating frame rotatably mounted on the shaft, a plurality of collars attached to the shaft, a stem slidable in said frame in alinement with each coller, a spring to move each stem into operative engagement with its collar so



that any desired movements of the shaft will be imparted to the switch-operating frame, and means to select the stem to be connected to its collar.

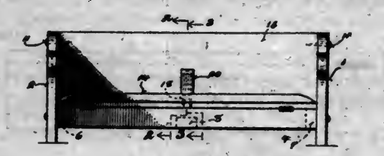
1,482,921. TRANSFER APPARATUS. JOHN W. FREE, Woodlawn, Pa. Filed Oct. 12, 1922. Serial No. 594,014. 10 Claims. (Cl. 271—27.)



1. The method herein described of separating sheets one by one from a pack, which consists in causing the pack to rest by gravity upon one edge while submerged in liquid, and imposing upon the outermost sheet two successive movements, first, a swinging movement upon its lower edge as an axis of turning, while still resting on its gravitational support, and in so doing opening an upwardly widening V-shaped space between it and the remainder of the pack, and, second, raising the so separated sheet upwardly through the liquid.

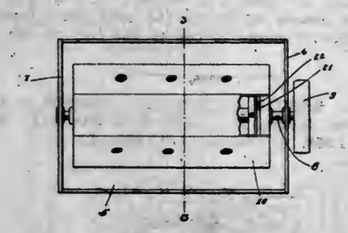
1,482,922. TOY DAVENPORT. HANNES GREEN, Racine, Wis. Filed Nov. 9, 1922. Serial No. 599,801. 1 Claim. (Cl. 5—29.)

A convertible toy davenport comprising a body portion having a lower frame, ends and a back; a flap extending the full length of the davenport between the end and having its front edge hingedly jointed to the front edge of the lower frame; and a substantially rigid tab extending upwardly from the rear edge of the flap and lying against the back when the davenport is closed, and acting as a leg to support the flap when the davenport is open, said tab comprising a substantially rigid wire



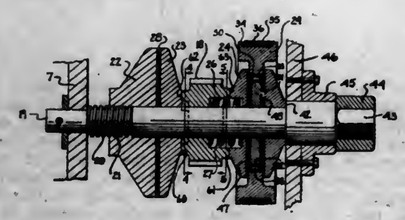
having a looped portion and terminal extensions at right angles thereto and projecting into said flap, and a covering for the looped portion of said wire.

1,482,923. DEVICE FOR BURNISHING METALLIC ARTICLES. PAUL J. GOKE and GILBERT L. KEMPER, Cincinnati, Ohio, assignors to The Cincinnati Coffin Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 3, 1922. Serial No. 549,221. 8 Claims. (Cl. 51—164.)



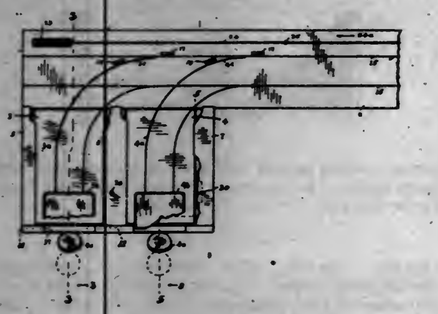
1. In a device of the class described the combination of a tank adapted to contain a cleansing fluid, a porous drum revolubly mounted in the tank adapted to extend into the fluid and to contain cleansing elements, and a holder revolubly contained within the drum adapted to support articles, and means to revolve the drum and holder.

1,482,924. PORTABLE ELEVATOR. ETHAN N. HESCOCK, Westfield, N. J., assignor to New Jersey Foundry and Machine Company, a Corporation of New Jersey. Filed Mar. 3, 1923. Serial No. 622,584. 4 Claims. (Cl. 192—15.)



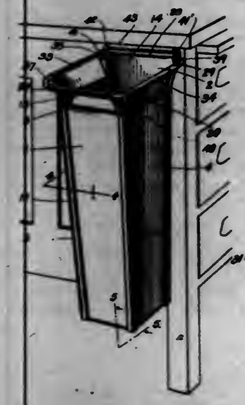
1. In a hoist mechanism the combination of an axle, a pinion loosely mounted on the axle, friction discs loosely mounted on the axle, a clutch member mounted on the axle, a brake wheel mounted on the clutch member, means to automatically connect the clutch member and brake wheel on one direction of rotation and release said members on the reverse direction of rotation, means to clamp said friction discs and clutch member together on rotation of the axle in one direction and to permit slipping of the parts when the loose members rotate, or tend to rotate, faster than the axle, and friction means bearing on the brake member.

1,482,925. SANITARY WAITER. MATTHEW A. HIGH, Anderson, Ind. Filed Mar. 10, 1923. Serial No. 624,264. 14 Claims. (Cl. 186—1.)



10. In a device of the kind described, a main deck, a lower deck, a tray deck operable to decline to the lower deck, a roller tray adapted to roll from the tray deck, means to convey the tray away from the tray deck, and means to convey the tray to the tray deck.

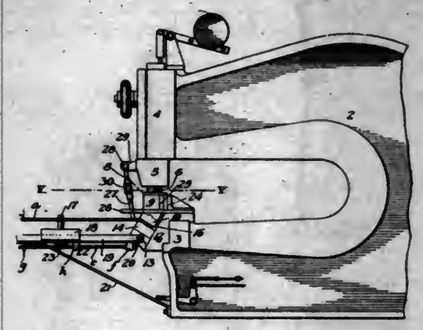
1,482,926. REFUSE RECEPTACLE. NEWTON S. HILLYARD, St. Joseph, Mo. Filed June 30, 1922. Serial No. 571,958. 4 Claims. (Cl. 220—4.)



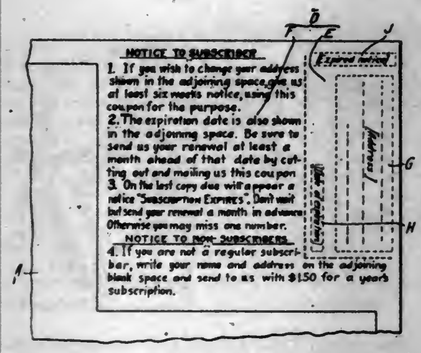
1. A refuse receptacle comprising a front panel, a back panel and two side panels, the longitudinal edges of each panel being bent back to form reversibly extending tongues, channel-shaped locking members having inwardly bent edges to engage the tongues of the panels to secure them together to form a substantially rectangular tube, an end member for closing the bottom of the tube, the upper ends of the front member and two side members being bent outwardly to provide a flared open end for the receptacle and the back member being straight, and means on the back member for engagement with a support whereby the receptacle may be supported in a suspended position.

1,482,927. SHEET-METAL-BENDING DIES. JOHN HUBER, Bellwood, Pa. Filed Jan. 19, 1922. Serial No. 530,306. 14 Claims. (Cl. 153—25.)

1. In flanging mechanism, the combination with a supporting base and an upper reciprocable power driven head, of an anvil block mounted on the base having a bending edge and a continuous plane backwardly and downwardly sloping face extending therefrom, a co-acting die having a similar face mounted on the reciprocable head, and means for horizontally supporting a plate with its edge portion extending across the anvil block.



1,482,928. COVER FOR MAGAZINES AND THE LIKE. FRANS HUTTER, New York, N. Y., assignor to The McCall Company, a Corporation of New York. Filed June 23, 1920. Serial No. 390,990. 5 Claims. (Cl. 283—56.)



1. A magazine cover having a delineated portion adapted to be used as an order for subscription and showing on its outer face an indicated space distant from and entirely outside of the remainder of the cover, the said indicated space adapted to carry the address of the individual subscribers and an adjoining space carrying a notice common to all copies and directing the attention of the purchaser to the use to which said delineated portion may be put.

1,482,929. KETONIC RESIN AND PROCESS OF MAKING SAME. TREVOR S. HUXHAM, Bloomfield, N. J., assignor, by mesne assignments, to Carleton Ellis, Montclair, N. J. Filed Sept. 10, 1921. Serial No. 499,783. 5 Claims. (Cl. 260—31.)

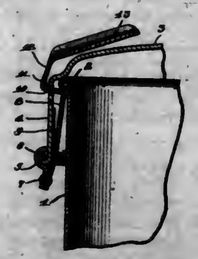
1. The process of making an insoluble and infusible resin which comprises reacting on a soluble and fusible ketone-aldehyde resin with formaldehyde and an alkaline activating agent.

1,482,930. PARALLEL RULER. CHARLES E. JOHNSON, Ridgefield Park, N. J., assignor to Johnsyedon Corporation, New York, N. Y., a Corporation of New York. Filed June 4, 1921. Serial No. 474,992. 1 Claim. (Cl. 33—32.)



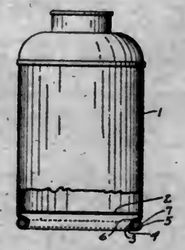
A combination ruler comprising a housing and a flat ruling edge both integral with said housing, and a roller mounted in said housing, said ruler having incisions cut in the flat ruling edge adapted to control the drawing of lines perpendicular to said edge.

1,482,931. COVERED RECEPTACLE. CLARENCE C. KEEHN, Canandaigua, N. Y., assignor of one-half to The Lisk Manufacturing Company, Ltd., Canandaigua, N. Y., a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,479. 5 Claims. (Cl. 220—55.)



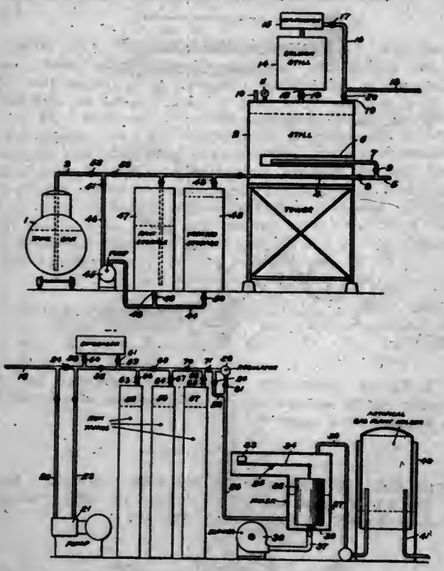
1. The combination with a receptacle having an annular projection and a cover having a depending flange receiving the upper end of the receptacle and said annular projection, and having an opening therein, of a locking member pivotally mounted at the lower end of the flange, extending upwardly from said pivot between the flange and the receptacle, having an abutment operating through the opening in the flange, and having also an operating portion rigid therewith extending upwardly from said abutment and inwardly over said cover.

1,482,932. SHEET-METAL CONTAINER. HENRY A. KEINER, Richmond Hill, N. Y., assignor to Keiner-Williams Stamping Company, a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,548. 4 Claims. (Cl. 220—66.)



1. A sheet metal container comprising a hollow cylindrical body member, a ring having an outer diameter not greater than that of said body member, the edge of one end of said body member being contracted and extending directly into and partially enclosing said ring, and a bottom member having a closure portion having its periphery contacting with the inner face of said body member above said contracted edge and having a marginal flange extending downwardly in close engagement with the inner face of said body member and curved around said edge thereof and said ring, into engagement with the outer face of said body member and having an outer diameter substantially equal to that of said body member.

1,482,933. METHOD OF TREATING NATURAL-GAS GASOLINE AND OF MAKING GAS THEREFROM. ARTHUR N. KERR, Bellevue, Pa. Filed May 9, 1921. Serial No. 467,926. 3 Claims. (Cl. 48—212.)



2. The method of converting the whole of natural gas gasoline into marketable products, which comprises distilling the lighter combustible constituents from said gasoline, and without intermediate condensation mixing the vapor distillate with air to form a transportable artificial gas.

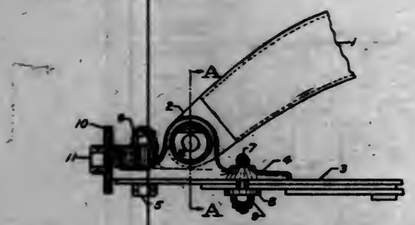
1,482,934. ILLUMINATED LICENSE TAG AND CASE. BENJAMIN W. LANCE and ARTHUR E. OLSON, Geneva, Ill. Filed Mar. 16, 1923. Serial No. 625,649. 1 Claim. (Cl. 40—132.)



The combination with a license tag display light box, said light box comprising a main casing having rearwardly extending chambers therein, license tag illumi-

nating lamps, a tail light illuminating lamp, of a reflecter disposed within the casing and provided with rearwardly extending extensions extending into the rearwardly extending chambers of the casing, said lamps supported in the extensions of the reflector, a hinged cover for the casing, said hinged cover having means for supporting a license number in front of the lights within the casing and an upwardly extending extension having a lens therein adapted to register with the tail light when the cover is closed.

1,482,935. COMBINATION SPRING END AND BUMPER SUPPORT. VINCENT LINK, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Sept. 7, 1922. Serial No. 586,684. 11 Claims. (Cl. 293—55.)



2. In an automobile, a spring end member and a spring rigidly secured thereto, said member also forming a support for a bumper.

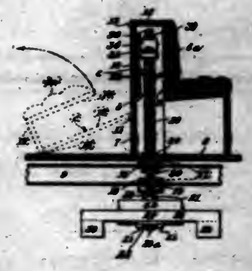
1,482,936. SHADE-ROLLER HOLDER. MICHAEL MACIEJKO, Meriden, Conn. Filed July 11, 1921. Serial No. 483,753. 1 Claim. (Cl. 156—24.)



A shade roller holder comprising a bracket plate having opposite ends adapted for attachment to a window frame in a horizontal position, said bracket plate having a longitudinal slot therein, a shade roller supporting member comprising a flat perpendicular leg adapted to be secured to the bracket plate and flatly engage the front face of the same when securely clamped thereto and to tilt and frictionally engage the lower longitudinal edge of said plate and the upper portion of the securing means should the latter loosen, the said leg having a longitudinal slot therein, a longitudinally depending arm formed with the said leg and bent into a plane at right angles to the plane of the leg portion, and positioned forwardly of the last mentioned plane, the said depending arm having an aperture therein for engaging the shade roller pin, a screw passing through the slot of the shade roller supporting leg and the bracket plate, a nut for receiving the projecting end of the screw, a rectangular projection carried by said nut and extending into the bracket plate groove to prevent rotation of the nut when the screw is tightened, and a washer interposed between the head of the screw and the shade roller supporting arm, the screw head being countersunk within the outer face of said washer.

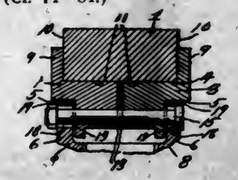
1,482,937. AUTOMOBILE TURNTABLE. IGNAZIO MARINO, Washington, D. C. Filed May 24, 1923. Serial No. 641,224. 10 Claims. (Cl. 254—87.)

10. The combination with an automobile, of a pair of bars removably secured to the frame of said automobile, posts movably carried by said bars, a plate secured to said posts, a base having a series of annularly arranged recesses rotatably secured to said plate, means for causing relative vertical movement between said base and said automobile for raising or lowering the latter bodily in respect to the ground, and means for selectively



preventing relative rotary movement between said base and plate, said first mentioned means comprising a locking bar vertically, movably associated with the bars secured to said automobile adapted for selectively occupying one of said recesses formed in said base.

1,482,938. CROSSHEAD. JOHN O. MCARTHUR, Philadelphia, Pa. Filed Dec. 21, 1921. Serial No. 523,930. 6 Claims. (Cl. 74—84.)



1. A crosshead comprising spaced crosshead plates, spaced crosshead shoes carried by said plates and having crosshead guide channels, said crosshead shoes having portions disposed between the crosshead plates and portions overlying the ends of the crosshead plates, bolts extending through the crosshead shoes and the crosshead plates, and removable angularly shaped liners disposed between the shoes and the plates and having portions overlying the ends of the plates.

1,482,939. PROCESS OF MAKING CARBON. JAMES MCINTOSH, Norristown, Pa., assignor to Diamond State Fibre Company, Elsmere, Del., a Corporation of Delaware. Filed June 24, 1921. Serial No. 480,207. 1 Claim. (Cl. 252—3.)

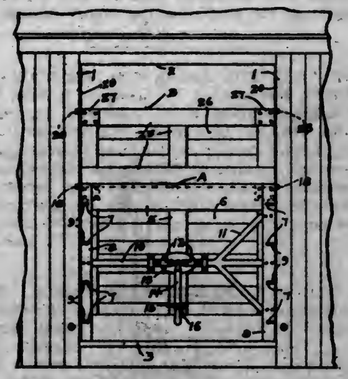
The process which consists in parchmentizing vegetable fibrous material; subjecting said material to heat and to a pressure above that of the atmosphere; washing the parchmentizing chemicals from the parchmentized material; and carbonizing the washed product.

1,482,940. SHOE-BUTTON CAP. HENRY MUNZER, New York, N. Y. Filed May 29, 1923. Serial No. 642,305. 1 Claim. (Cl. 24—113.)



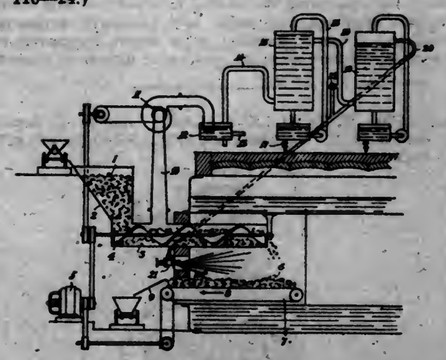
As a new article of manufacture, a shoe-button cap comprising a body, and a clip carried by and spaced from the inner side of the body and arranged in parallelism to said side and joined by opposite angularly disposed arms to opposite points of said side and having a bifurcation with a contracted throat to receive the shank of a button, the opposed side walls of said throat being convex and the inner end wall of the bifurcation being at right angles to the length thereof and considerably longer than the throat is wide.

1,482,941. GRAIN DOOR FOR CARS. HERBERT S. NESBITT, Minneapolis, Minn., assignor of one-third to Oscar P. Gustavsen, Minneapolis, Minn., and one-third to Thomas D. McMahon, St. Paul, Minn. Filed July 10, 1922. Serial No. 573,865. 3 Claims. (Cl. 20—38.)



1. A car door structure comprising door posts having vertical grooves in the lower portions of their adjacent sides, said grooves having their forward walls outwardly inclined, metal plates covering said sides of the posts and extending along said inclined walls, a door section disposed between said posts having laterally movable metal plates extending along its vertical side edges, the outer edges of said plates being beveled at their front portions to be disposed in said grooves and co-operating with the plates therein.

1,482,942. POWER-PRODUCING SYSTEM. WILLIAM HERBERT NIELD, Stockport, England, assignor of one-half to William Melland, Manchester, England. Filed Dec. 8, 1919. Serial No. 343,272. 1 Claim. (Cl. 110—24.)



A fuel consuming device comprising a furnace for industrial use including a grate to consume the fuel, a tube in the combustion chamber of the furnace, means to pass fuel continuously into said tube and out of the inner end on to said grate, means to move the fuel passing out of said tube on to said grate along the grate in an opposite direction to the direction of its passage through the tube, means to discharge ash from the furnace, means to draw off gases from the tube evolved in the absence of air, means to remove condensation products from the gases, means to pass the stripped gases back to the furnace and a burner in the combustion chamber to burn said stripped gases below the tube to coke the fuel therein previous to its passing on to the grate.

1,482,943. SALES-CHECK HOLDER. THOMAS R. F. POTTER, Brooklyn, N. Y. Filed Feb. 9, 1923. Serial No. 617,977. 10 Claims. (Cl. 211—37.)



1. In a device of the class described, the combination of a support for a pad of checks; a plate secured to said support and adapted to have its outer end moved toward said support, said end having an opening therein; and a pivoted cutter interposed between said plate and support with its cutting edges normally above said opening but adapted to enter said opening and coact with the wall thereof when the end of said plate is moved toward said support.

1,482,944. RELEASABLE WIRE-ROPE SOCKET. JOHN D. RUSS, Spencer, W. Va., assignor of one-half to Wirt N. Russ, Spencer, W. Va. Filed Dec. 14, 1922. Serial No. 606,990. 5 Claims. (Cl. 103—226.)



1. A wire-rope socket device comprising two members, mortised to provide mating tongues, means for normally holding said members in assembled position with said tongues disposed face to face, said means comprising a roller carried transversely of one tongue and normally engaging the other tongue, and a spring-pressed latch carried by one member and normally engaging the other member.

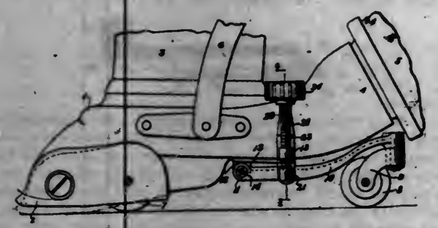
1,482,945. LOOSE-LEAF BINDER. ARTHUR R. SELDEN, Rochester, N. Y. Filed Oct. 31, 1921. Serial No. 511,864. 4 Claims. (Cl. 129—8.)



1. A loose leaf binder embodying an impaling post or projection comprising two sections one of which has a screw-thread engagement with the other to effect the ad-

justment of such post or projection and is provided with a longitudinally extending notch, and a locking device cooperating with the walls of the notch to hold the section against turning.

1,482,946. CASTER. ADAM A. SERVA and WALTER S. SIMPSON, Canton, Ohio, assignors to The United Electric Company, Canton, Ohio, a Corporation of Ohio. Filed Feb. 1, 1923. Serial No. 616,294. 9 Claims. (Cl. 16—34.)



1. In combination with a vacuum cleaner, an arm pivoted thereto at one end and having a caster at the other end, bearings on the cleaner and arm, an adjusting screw on one of the bearings and swivelled to the other bearing, and spring means for preventing vibration of said parts.

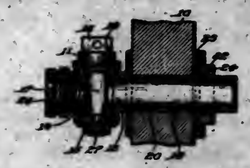
1,482,947. COMBINATION VALVE STEM AND PRESSURE GAUGE. NELSON TALMAGE SHORTS, Fern, Pa. Filed Jan. 6, 1923. Serial No. 611,069. 2 Claims. (Cl. 152—11.5.)



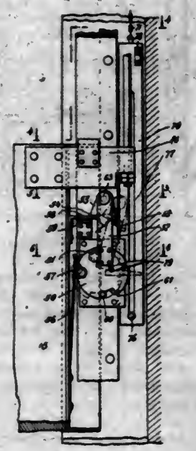
2. A combination valve stem and pressure gauge comprising a valve stem body, a barrel having one end screw-threaded on the body and having an inturned flange at its opposite end, a pressure indicating plunger slidable in the barrel and projectable from the last named end thereof, an air valve in the plunger, and a spring between the barrel and plunger confined between said flange and a portion of the plunger, said flange having a feather, the plunger having a longitudinal groove to engage said feather, said feather being removed from said groove by forcing the plunger into the barrel.

1,482,948. VALVE FITTING. JAMES J. SMITH, Philadelphia, Pa. Filed May 3, 1921. Serial No. 466,391. 2 Claims. (Cl. 251—91.)

1. A drain faucet for ice cream containers and the like, comprising a one piece body having a flange to cooperate with the outer wall of the container, a packing cooperating with the inner wall of the container, a passage alined with the faucet passage, and a rotary plug for regulating the flow from the faucet passage.

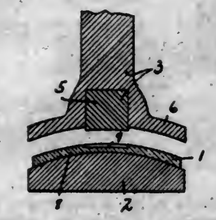


1,482,949. CONTROL MECHANISM FOR DOORS. EZRA B. SMITH, Ravenswood, Ill., assignor to John Edward Ogden, Mountainville, N. Y. Filed Dec. 11, 1922. Serial No. 606,276. 26 Claims. (Cl. 187—59.)



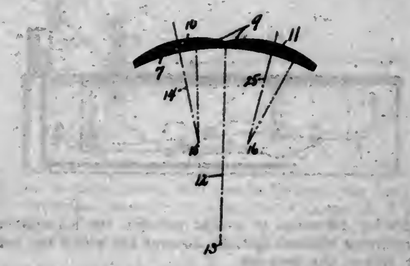
15. In combination, a plurality of movable hatchway door sections adapted to move toward each other to closed position and means including a pneumatic device mounted on a fixed support and engageable by one of the doors for cushioning the closing movement of said doors as they approach each other, said pneumatic device including a piston so weighted as to return by gravity to operative position after the cushioning movement thereof.

1,482,950. BIFOCAL-LENS BLANK. HAROLD J. STEAD, Geneva, N. Y. Filed Mar. 23, 1921. Serial No. 454,627. 9 Claims. (Cl. 88—54.)



1. A lens blank having upon one face a relatively small depressed central portion molded to an accurate curvature suitable for visual purposes without grinding or polishing, and a relatively large surrounding surface molded to an approximate curvature, and the other face of the blank molded to an approximate curvature.

1,482,951. BIFOCAL-LENS BLANK. HAROLD J. STEAD, Geneva, N. Y. Filed Apr. 16, 1923. Serial No. 632,339. 4 Claims. (Cl. 88—54.)

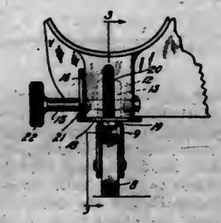


1. A bifocal lens blank having a concave inner surface of substantially uniform curvature throughout, and an outer surface formed with two separate curved surfaces having substantially the same radius of curvature, but differing in radius of curvature from the concave inner surface of the blank.

1,482,952. REENFORCED-RUBBER FLOORING AND PROCESS OF MAKING THE SAME. JAMES HERBERT STEDMAN, Braintree, Mass. Filed Oct. 4, 1922. Serial No. 592,423. 7 Claims. (Cl. 18—50.)

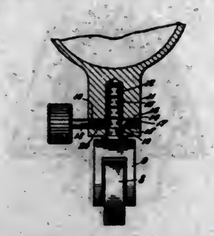
4. The method of making vulcanized rubber flooring, or the like, which comprises treating a compound of unvulcanized rubber, cotton fiber and pigment in a manner to mix the pigment and fiber throughout the compound, then repeatedly folding and passing the mixed batch through a refining mill the heavy pressure and differential action of which tears the fiber into minute shreds and distributes the fibre throughout the batch as it is shredded, a fine comminution of the fiber and its intimate association with the rubber being accomplished by continuing the refining of the batch until it is reduced to a sheet of substantially paper thickness, then mixing a plurality of such batches each of a distinctive color to form a variegated sheet in which the interspersed fiber, in the condition described, causes the colors to resist amalgamation under prolonged mixing with a final result of mingling without losing color identities, and then vulcanizing the sheet.

1,482,953. ADJUSTABLE CASTER. WILLIAM J. TIDEMAN, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation. Filed Dec. 10, 1921. Serial No. 521,340. 3 Claims. (Cl. 16—19.)



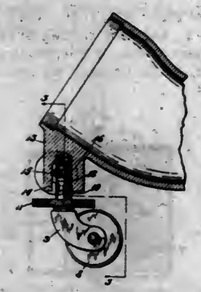
1. A caster for a vacuum cleaner or the like having a vertical bore therein, a shank vertically adjustable within the bore, and provided with a vertical slot, said shank being provided with a disc, a caster upon the shank, spring means for normally urging the shank upward, a shaft extending transversely through the slot and an eccentric cam upon the shaft engaging said disc to move the shank downward.

1,482,954. ADJUSTABLE CASTER. WILLIAM J. TIDEMAN, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation. Filed Dec. 10, 1921. Serial No. 521,341. 4 Claims. (Cl. 16—19.)



1. A caster for vacuum cleaners or the like including, a vertically adjustable, annularly grooved shank, a caster carried thereby and a bearing screw for engagement with the shank for holding the same in adjusted positions and friction means cooperating therewith.

1,482,955. ADJUSTABLE CASTER. WILLIAM J. TIDEMAN, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation. Filed Dec. 10, 1921. Serial No. 521,342. 3 Claims. (Cl. 16—19.)



1. A caster for vacuum cleaners or the like including an adjusting screw having an annular groove, a caster carried thereby, and a locking screw extending tangentially through the groove in the adjusting screw and vertically movable with the adjusting screw.

1,482,956. ADJUSTABLE CASTER. WILLIAM J. TIDEMAN, Canton, Ohio, assignor to The United Electric Company, Canton, Ohio, a Corporation. Filed Dec. 10, 1921. Serial No. 521,343. 3 Claims. (Cl. 16—19.)



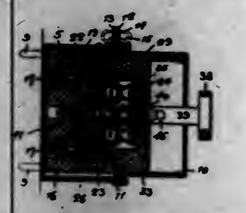
1. A caster for vacuum cleaners, or the like including an inclined, notched guideway, a plunger slidably located therein and having ears for engagement with the notches, means for normally holding the plunger in adjusted position and a caster carried by the plunger.

1,482,957. SHADE HOLDER. ARTHUR J. TILLEY, Brooklyn, N. Y. Filed July 22, 1921. Serial No. 486,722. 5 Claims. (Cl. 240—148.)



1. For use with a lamp shade having a skeleton frame element extending inwardly from the upper margin of the shade, a shade carrier comprising an attaching member for mounting the same upon a lamp base, supporting arm means rigid therewith, carrier arm means pivoted thereto a bridge extending between and integral with said carrier arm means, and means associated with the carrier arm means for detachably engaging said skeleton frame element of the lamp shade, said shade-frame engaging means being engageable with frames of different sizes.

1,482,958. ELECTRIC SWITCH. EMIL H. W. ULLRICH, New York, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 12, 1921. Serial No. 468,909. 6 Claims. (Cl. 200—114.)



1. A switch of the character described, comprising a connection block, switch contacts and associated terminal connections thereon, a cover block of insulating material mounted on and secured to said connection block and covering the electrical conductors thereon, said block being apertured in register with the switch contacts, together with an independent switch block of insulating material, switch blades thereon, associated fuse terminals adapted to receive and electrically connect a fuse between said switch blades, a box encasing said parts, and a switch operating handle passing through the said box and connected to said switch block for shifting the latter rectilinearly to open or close the switch, said switch box having side walls affording a guide for the switch block during its switch opening and closing movements.

1,482,959. SCALE. CARLOS LUIS TOMÁS ABÁLSAMO, Buenos Aires, Argentina. Filed Aug. 18, 1922. Serial No. 582,720. 2 Claims. (Cl. 265—58.)

1. A scale, comprising in combination, a beam; a receiving element for the material to be weighed; a lever system connecting the beam and receiving element to operate the former in accordance with the movements of the latter; an indicator system for setting the scale to weigh different definite amounts and including at least one weight adjustable along the beam in accordance with the particular amount to be weighed, an indicator arm connected to the weight to be shifted thereby, and a graduated scale member with which the indicator arm coacts; and a separate indicating device embodying an indicator arm connected to be shifted by the beam during the movements thereof, and a graduated scale member with which the last-named indicator arm coacts to indicate

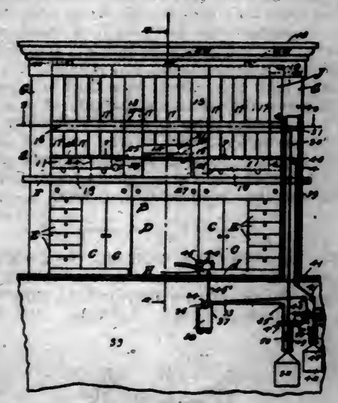


the precise difference in weight between the material on the receiving element and the amount for which the indicator system has been set.

1,482,960. PROCESS OF MANUFACTURING AND LAYING BITUMINOUS SHEET PAVEMENTS AND MATERIALS THEREFOR. FREDERICK C. ALSDORF, Columbus, Ohio. Filed Sept. 16, 1922. Serial No. 588,722. 6 Claims. (Cl. 94—23.)

1. The process of manufacturing and laying a bituminous paving material, which consists in agitating a heated mixture of bitumen and a base, and while the mixture is still warm adding a hydrocarbon distillate thereto.

1,482,961. BANK-TELLER'S WINDOW GUARD. JOHN N. BANITT and JACOB THIEMANN, Goodhue, Minn. Filed May 23, 1922. Serial No. 563,079. 3 Claims. (Cl. 268—2.)

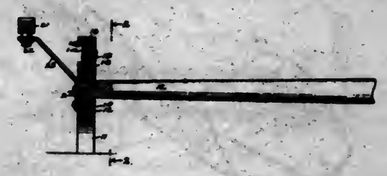


2. In a window of the class described, a closure, said closure having a window opening therethrough, a closure movable independently of the first closure to cover said opening, draw cables movable to different extents to operate the closures, means to urge drawing movement of both cables, a detent to which both cables are connected, catch means engageable by the detent, and means operable to disengage the detent from the catch means.

1,482,962. BRIDGE FOR BILLIARD AND POOL TABLES. WALTER WILGUS BANKS, Salem, N. J. Filed Aug. 9, 1922. Serial No. 580,736. 3 Claims. (Cl. 46—6.)

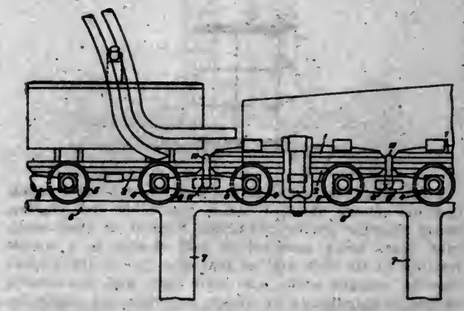
1. A bridge for billiard and pool tables, including a handled body formed with a transversal groove at the upper portion thereof, an extension element formed with

depressions adjacent each end thereof arranged to slide in said groove, said extension element being totally ar-



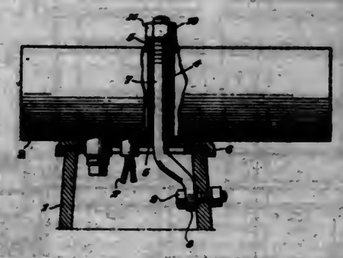
ranged in said groove, and means between the body and the extension element to hold said element in a given position.

1,482,963. MACHINERY FOR MAKING WAFER BISCUITS, CUP WAFERS, AND SIMILAR ARTICLES FROM LIQUID. THOMAS O. BATES, Liverpool, England. Filed Aug. 24, 1921. Serial No. 494,778. 2 Claims. (Cl. 107—58.)



1. In a wafer biscuit making machine, a movable series of plates, and a baffle interposed between adjacent plates to prevent a fresh charge introduced in one set of plates from being interfered with by steam generated from the charge of the preceding plate, said baffle projecting above the material receiving plane of the plates and being wholly free of connection with any of the plates.

1,482,964. ANCHOR. HERSHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, Jersey City, N. J. Filed Nov. 26, 1921. Serial No. 518,078. 6 Claims. (Cl. 64—24.)



1. In a device of the character described, a tank having a tube closed with respect to the interior of the tank and open at its opposite ends to the exterior of the tank, an anchor bolt of greater length than said tube having means at one end for attaching the same to a bearing housing and arranged and adapted to project through said tube for securing the tank in place.

1,482,965. POOL-BALL CABINET. ELMER A. BLACK, Louisville, Ky. Filed May 1, 1923. Serial No. 635,952. 3 Claims. (Cl. 46—6.)



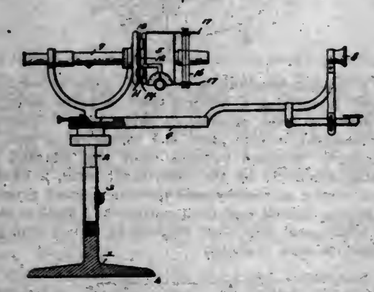
1. A pool ball cabinet comprising a back portion, an outwardly extending support attached at the lower end thereof, a rotatable rack pivotally mounted on said back portion and provided with a plurality of spaced, grooved ball receiving trays, an arcuate guard member carried by said back member and extending concentrically with said pivoted rack, and means for holding said rack in operative position.

1,482,966. BACTERIOLOGICAL TEST APPARATUS. LLEWELLYN E. W. BEVAN, Salisbury, Southern Rhodesia, South Africa. Filed June 24, 1922. Serial No. 570,749. 1 Claim. (Cl. 23—3.)



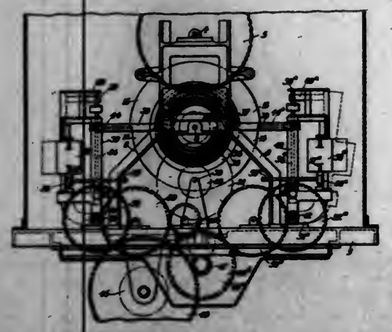
A device for use in bacteriological tests, comprising a vessel for the reception of a diluted emulsion containing bacteria in suspension, a closure for sealing the vessel, and a capillary filament carried by and depending from the closure, said closure also sealing said filament from the atmosphere.

1,482,967. OPTOMETRICAL INSTRUMENT. BENJAMIN E. BRIERTON, Birmingham, Ala. Filed Oct. 26, 1922. Serial No. 597,020. 6 Claims. (Cl. 88—20.)



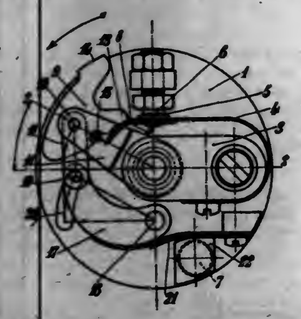
1. In an instrument of the class described, the combination of mire-boxes, an ophthalmostat located in front thereof, and means located between the respective mire-boxes and the ophthalmostat for deflecting the light rays passing from the mire-boxes to the corneal surface of the eye under examination.

1,482,968. TRANSMITTER FOR ELECTRIC RECORDING AND SIGNALING SYSTEMS. ARTHUR BURTON BUCKLEY, Cairo, Egypt. Filed June 14, 1921. Serial No. 477,549. 10 Claims. (Cl. 177—351.)



1. In a device for transmitting the movements of an object to a distant indicator, a pair of independently driven intermittent current impulse transmitters, a device having means co-operating with said transmitters whereby both of said transmitters are restrained from movement when said device is in normal position and whereby one or other of the transmitters is released for movement when the device is moved in one direction or the other, a connection between said device and said object whereby the object moves the device and means controlled by the impulses transmitted to the distant indicator and co-operating with said device for returning said device to normal restraining position.

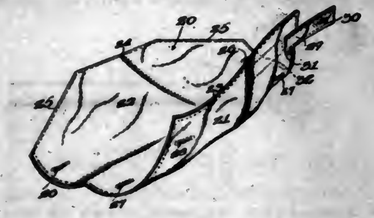
1,482,969. CONTACT BREAKER FOR INTERNAL-COMBUSTION ENGINES. PAUL AUGUSTE VICTOR CERESOLE, London, England. Filed Jan. 4, 1923. Serial No. 610,666. 5 Claims. (Cl. 200—31.)



2. A contact-breaking device for internal combustion engines, comprising a driving shaft, a plate mounted on said shaft, a lever pivoted on said shaft, a centrifugal mass mounted on said plate and connected to said lever, a trip-lever mounted on said lever and adapted to be adjusted angularly by the centrifugal mass, a fixed contact, a spring carried by said plate, a contact pressed by said spring against said fixed contact and fixed abutments with which said trip lever engages to deflect said spring to separate said contacts.

1,482,970. SHIRT AND CUFF THEREFOR. GEORGE P. CRAGIN, Spokane, Wash. Filed Feb. 9, 1920. Serial No. 357,460. 2 Claims. (Cl. 2—79.)

1. A soft reversible cuff adapted to form an inner and an outer fold, said inner fold having its corners cut away and provided with cuff-button-holes, said outer fold having complementary button holes and a sleeve-button hole at one end, and said outer fold having at its opposite



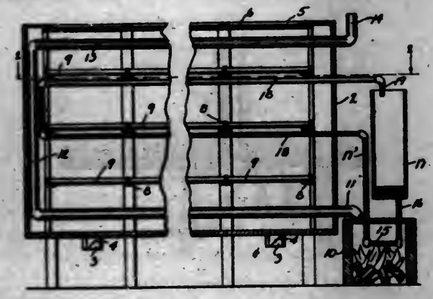
end a slot and a sleeve-button-hole tab adapted for use with said sleeve-button-hole at selective sides of the outer fold.

1,482,971. WIREBOUND BOX. CHARLES ALLEN CUMMINGS, Battle Creek, Mich., assignor to Battle Creek Box Co., Battle Creek, Mich. Filed Jan. 25, 1921. Serial No. 439,730. 3 Claims. (Cl. 217—12.)



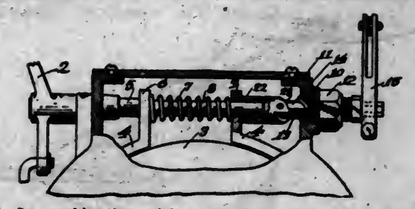
1. In a box, the combination with the side wall panels and end cleats therefor, of a removable end closure, cleats therefor having projecting tongues at their ends, said cleats being mounted on said closure in a spaced relation to its ends and so that one end of the closure may be engaged under one wall cleat and the closure shifted longitudinally to engage its other end under the opposite wall cleat, the other pair of wall cleats having rabbet-like recesses in their inner edges adapted to receive the projecting tongues of said closure cleats, and a locking block adapted to be disposed between one of the closure cleats and the adjacent wall cleat when the other closure cleat is in engagement with the opposite wall cleat thereby preventing longitudinal disengaging movement of the closure.

1,482,972. FRUIT DRIER. JOHN CHANDLER, Chino, Calif. Filed Oct. 26, 1922. Serial No. 597,066. 2 Claims. (Cl. 34—39.)



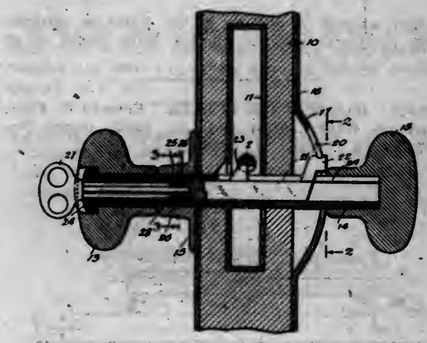
2. A dehydrating apparatus comprising a compartment having racks upon which trays containing substance to be treated are to be arranged, a fire box outside of chamber, smoke flues from the fire box in parallelism through and up in the compartment, a water tank having water pipes leading to the fire box and thence parallel to and just below trays on the racks and returning to the tank.

1,482,973. LOW-GEAR ATTACHMENT FOR FORDS. CARL B. CRAMER, Los Angeles, Calif. Filed Nov. 24, 1922. Serial No. 602,999. 7 Claims. (Cl. 74—39.)



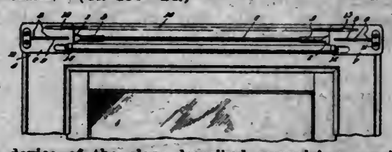
1. In combination with a low speed mechanism including the usual operating lever, and an independent auxiliary low speed mechanism setting device.

1,482,974. LOCK. ERNEST DAELE, New York, N. Y. Filed Apr. 12, 1923. Serial No. 631,705. 3 Claims. (Cl. 70—91.)



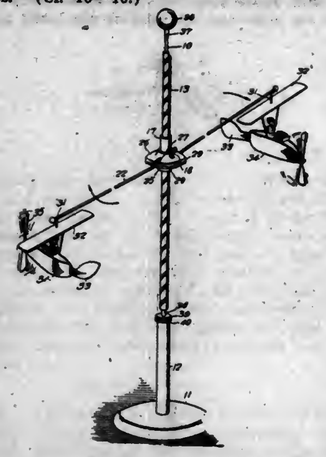
1. In a door lock including a hollow spindle, bearing plates in which said hollow spindle is mounted and a latch operated by said hollow spindle, means for locking the hollow spindle against rotation and the latch against movement, comprising a bar slidably mounted in said hollow spindle, projections formed on said bar and extending through a slot provided in the hollow spindle, one of said projections serving to engage in a slot provided in one of the bearing plates, the other projection being positioned to engage the latch to retain it against movement, and means for operating said bar.

1,482,975. SHADE BRACKET. BURWELL M. DAVIS, Raleigh, N. C. Filed Apr. 1, 1922. Serial No. 548,733. 1 Claim. (Cl. 156—24.)



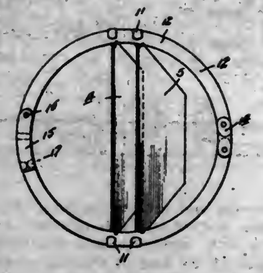
A device of the class described comprising a pair of plates, each having one end bent and its other end cut and rolled to provide a screw threaded socket, and a rod having its ends screw threaded for engaging said sockets, a pair of flat members slotted longitudinally, screws passing through the slots and openings in the plates respectively for associating the members with the plates for horizontal adjustment thereon, a shade roller bracket formed on each member by cutting the member and bending the cut portion at right angles, a spring clamp connected with each member for supporting a curtain pole, a hook formed on each member by cutting the same and bending the cut portion at right angles and a spring engaging said hooks for supporting a curtain.

1,482,976. TOY. WILLIAM H. J. DOWNEY, Wilmington, Del. Filed Sept. 29, 1921. Serial No. 504,136. 4 Claims. (Cl. 46—40.)



1. A toy comprising a vertical mast, a helical guide extending approximately the length of the mast but stopping short at the upper and lower ends, a hub slidable upon the mast, manually-operable means carried by the hub for engaging the helical guide and so positioned as to escape the guide at the lower end where the helical guide is interrupted, an anti-friction member disposed to receive and support the hub after escaping the helical guide, radial arms carried by the hub, and devices carried adjacent the extremities of the radial arms.

1,482,977. ANTIGLARE HEADLIGHT FOR AUTOMOBILES. WILLIAM H. J. DOWNEY, Wilmington, Del. Filed Mar. 27, 1923. Serial No. 627,973. 2 Claims. (Cl. 240—48.4.)



1. An automobile headlight structure provided with a reflector, a lens for location in front of the reflector, a supporting ring for the lens with said ring having its continuity interrupted, and a pair of transverse shields associated for joint action and provided with terminal portions for embracing the ring and extensible to be adapted for attachment to reflectors of different sizes.

1,482,978. WINDOW SHADE. JOSIAH P. EDWARDS, Spiceland, Ind. Filed Aug. 31, 1922. Serial No. 585,454. 6 Claims. (Cl. 156—10.)

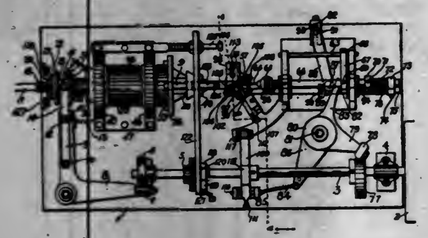
5. A shade of the character described comprising in combination, a flexible sheet; an upper transverse stretcher bar therefor; a lower transverse stretcher bar therefor, a series of intermediate transverse stretcher bars attached alternately to the front and back of said sheet at vertically spaced intervals between said upper and lower stretcher bars, said shade being provided just below each, with the exception of the lowermost, of said

intermediate stretcher bars, with a centrally located opening; a lock pulley attached centrally of the inner face of said upper stretcher bar; and a draw cord secured at its inner end centrally of the lower portion of



the lowermost intermediate stretcher bar and extending upwardly through said openings alternately along the inner and outer faces of said shade across said intermediate stretcher bars, thence through said pulley and downwardly along the inner face of said sheet.

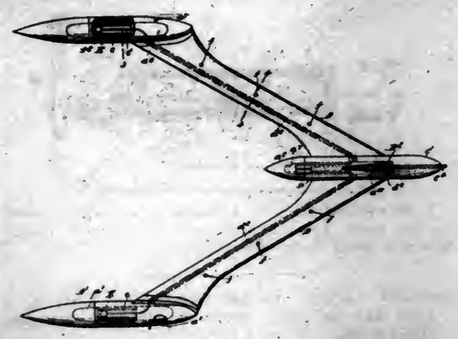
1,482,979. TURNING AND DRILLING MACHINE. GEORGE H. FAGAN, Bloomfield, N. J. Filed Oct. 17, 1919. Serial No. 331,420. 13 Claims. (Cl. 144—46.)



1. In a turning and drilling machine, the combination with a machine bed, of revoluble intermittent rod-feeding mechanism, a drill, spring tension drill-feeding devices, means for limiting the feed of the rod towards the drill, a tool carriage movable horizontally, a turning tool secured upon the carriage, a fixed pattern, the said carriage having a member arranged to contact with and to follow the pattern, means for pivotally supporting the tool carriage whereby it may be tilted bodily up and down, means for moving the tool carriage and the said drill-feeding devices at the same time back and forth lengthwise of the said bed, a parting tool, and means for operating the parting tool and for tilting the tool carriage in timed relation to the movements of the said tool carriage and drill.

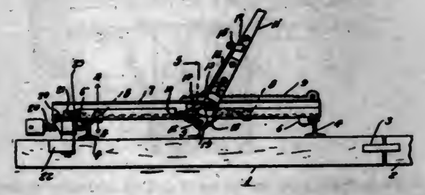
1,482,980. DIRECTION DETECTOR FOR SUBMARINE SOUNDS. RICHARD D. FAY, Nahant, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed June 27, 1919. Serial No. 307,231. 9 Claims. (Cl. 181—0.5.)

6. A device of the kind described comprising three receivers located substantially equidistant from each other, a towing member, and ribs connecting said receivers and said towing member, said device being



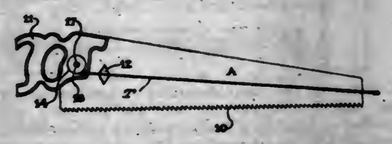
weighted whereby it will be in the water in approximately horizontal position whether being towed or at rest.

1,482,981. RAILWAY-TIE PULLER. EDWARD H. FISH, Spokane, Wash. Filed Oct. 27, 1922. Serial No. 597,355. 6 Claims. (Cl. 254—43.)



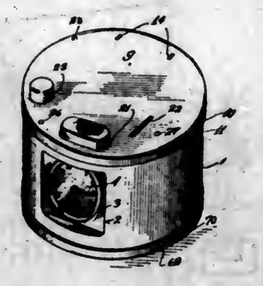
6. A railway tie remover comprising complemental members, one of said members being provided with means for connecting it to the rails and the other of said members being provided with means for connecting it to the tie to be removed, an operating lever fulcrumed to the movable member, two sets of pawls carried by the operating lever and disposed at different distances from the fulcrum thereof, ratchet bars carried by the movable member and adapted to cooperate with the respective set of pawls and means on said operating lever to hold either set of said pawls in inoperative position.

1,482,982. COMBINATION TOOL. OLIVER E. FOWLER, Baldwin, Ga. Filed May 27, 1922. Serial No. 564,216. 1 Claim. (Cl. 7—13.)



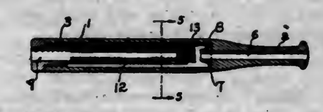
A lumber measuring device for saws having a handle and a sight opening in the blade thereof adjacent the handle, said measuring device comprising a graduated tape, a casing arranged in a recess in the handle, a spring-actuated spool mounted for rotation in the case and about which the tape is adapted to be wound and unwound, and said tape being arranged longitudinally of the saw when in use and traversing the sight opening whereby the tape can be read from the opposite side of the saw as specified.

1,482,983. SAVINGS BANK. GEORGE D. GALLAGHER, Washington, D. C., assignor to John Floyd Cissel, Washington, D. C. Filed Nov. 22, 1921. Serial No. 517,087. 10 Claims. (Cl. 194—78.)



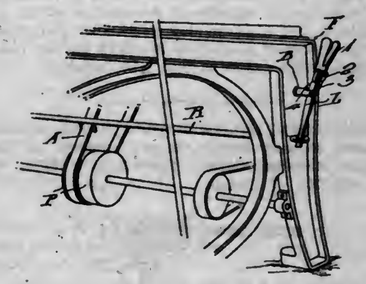
3. A bank including a time piece having a winding stem, and a coin controlled winding stem guard embracing the stem to prevent gripping thereof except on deposit of a coin.

1,482,984. CIGARETTE HOLDER OR THE LIKE. JOSÉ DANIEL GARCÍA, Buenos Aires, Argentina. Filed Jan. 27, 1923. Serial No. 615,292. 2 Claims. (Cl. 131—10.)



1. A cigarette holder comprising an outer casing, a filtering tube therein, a plurality of slits in the filtering tube, the said slits presenting an unobstructed passage for the smoke to the outer surface of the filtering tube.

1,482,985. LEVER CHOCK. OMER C. GOULET, Fall River, Mass., assignor of one-half to Albert E. Perron, Fall River, Mass. Filed Apr. 30, 1923. Serial No. 635,738. 2 Claims. (Cl. 74—39.)



1. In combination, a lever mounting bracket having an ear thereon forming a shoulder, a shifting lever pivoted on the bracket at a point beyond said shoulder, said lever having a socket, a spring in the socket, and a chock lever pivoted to the first named lever, said spring exerting yielding pressure against the chock lever so that it will automatically engage with said shoulder when the shifting lever is moved outwardly a predetermined extent.

1,482,986. DRAIN GATE. EUGENE E. GRIMES, Tiffin, Ohio, assignor to Frederick A. Damschroeder, Tiffin, Ohio. Filed May 19, 1921. Serial No. 470,823. 2 Claims. (Cl. 251—125.)



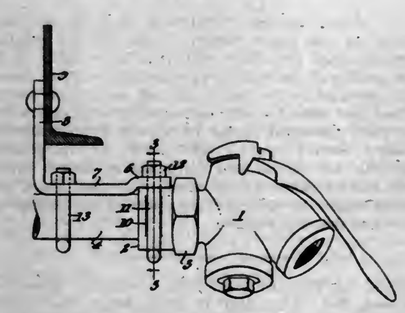
1. A drain gate including a spout having a discharge passage and having its mouth beveled downwardly and outwardly from its upper side, a pair of upstanding ears on the spout adjacent its mouth, a flap valve having a pair of rearwardly projecting ears near its upper end, a pintle inserted through the ears whereby to pivot the valve to the spout in position to lie upon and over the beveled mouth, and a spring coiled around the pintle and housed between the ears and having its ends bearing respectively upon the upper side of the spout and the rear side of the valve.

1,482,987. ANGLE-COCK HOLDER AND TRAIN-PIPE CLAMP. CLEON M. HANNAFORD, Richmond, Va. Filed Mar. 27, 1922. Serial No. 546,997. 4 Claims. (Cl. 248—31.)



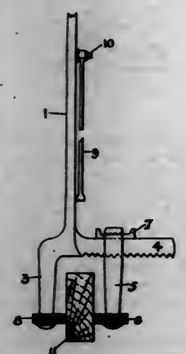
1. An angle-cock holder, made in two longitudinally separable parts and having a pocket formation to receive and engage the hex of the angle-cock and a trough to receive and engage the train pipe and provided with laterally extended horizontal flanges, and a supporting bracket therefor, said bracket adapted to be carried by a car and having a horizontal portion to engage the top of a train pipe and the holder flanges and to serve as a direct support for holding the angle-cock and train pipe rigidly and thereby prevent the angle-cock from moving forward, backward, and laterally, and hold the same in proper position.

1,482,988. HOLDER FOR ANGLE COCKS. CLEON M. HANNAFORD, Richmond, Va. Filed Sept. 18, 1922. Serial No. 589,374. 5 Claims. (Cl. 248—31.)



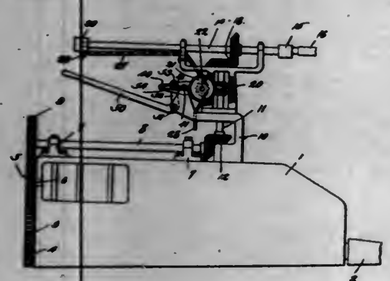
5. An angle cock, having a shell or body provided with an extension rearward of its hex and made in one piece with its shell or body and adapted to be engaged with a train pipe and a supporting bracket, said extension provided with a terminal flange adapted to cooperate with a fastening medium for uniting the extension, train pipe and supporting bracket.

1,482,989. APPLIANCE FOR CLAMPS OR CRAMPS AND THE LIKE. LESLIE FREDERICK HEBING, Launceston, Tasmania. Filed Apr. 18, 1923. Serial No. 633,007. 6 Claims. (Cl. 254—15.)



1. A clamp of the character described, comprising a lever having two downwardly extending jaws provided with rotatable cams, and means for adjusting the jaws relatively one to the other.

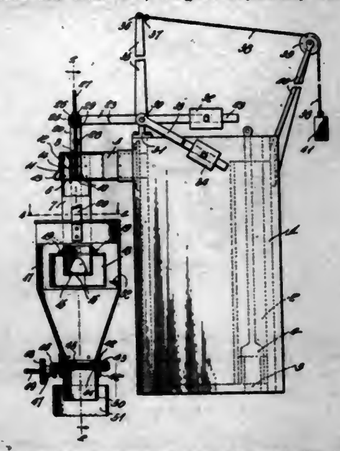
1,482,990. AUGER. LOUIS F. HESS, Ansted, W. Va., assignor, by direct and mesne assignments, to Daniel Boone Mining Machine Company, a Corporation of West Virginia. Filed Aug. 13, 1921. Serial No. 491,984. 3 Claims. (Cl. 262—9.)



1. A mining machine comprising a body, a frame mounted on the upper portion of the body, a substantially horizontal first shaft supported for rotation on the upper portion of the body, a substantially vertical second shaft journaled in the frame, beveled pinions connecting the first and second shafts, an approximately horizontal third shaft journaled in the frame and slidable therein, an auger carried by the third shaft, beveled pinions connecting the second and third shafts, means driven by the second shaft for advancing the third shaft, and a clutch under the control of an operator and interposed in the last specified means.

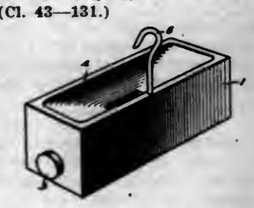
1,482,991. STOCK REGULATOR. ALBERT T. HILAMAN, Newark, Del. Filed May 15, 1922, Serial No. 561,104. Renewed Sept. 10, 1923. 9 Claims. (Cl. 92—46.)

3. In a structure of the character described, a stuff box, an outlet pipe for the stuff box having a depending spout, a gate in the pipe slidable upwardly to an open position, a pulp bucket positioned about the lower portion of the spout and having an outlet in its lower portion and a control for the outlet, hanger arms extending upwardly from the bucket, a rotatably mounted rocker shaft, lever arms carried by the rocker shaft, a cross bar extending between the lever arms and pivotally connecting the hanger arms with the same, a threaded stem pivotally connected with said gate and adjustably held in engagement with the cross bar, weights adjustably carried by



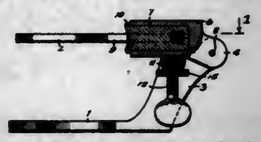
the lever arms, crane arms extending upwardly from said rocker shaft, a support carried by said stuff box and provided with a pulley wheel, a weight carrying cable connected with the crane arms and engaged with said pulley, a handle arm carried by said rocker shaft, and a weight adjustable upon said handle arm.

1,482,992. INSECT TRAP. AUGUST HOFFBAUER, Brooklyn, N. Y. Filed May 9, 1923. Serial No. 637,745. 1 Claim. (Cl. 43—131.)



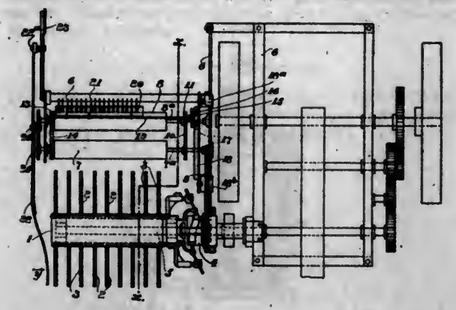
An insect trap which includes a block of wood impregnated with an oil waterproof material to act as a bait for insects, said block having a chamber containing insecticide, the upper surface of the block having a shallow depression therein opening into said chamber.

1,482,993. DENTAL ARTICULATOR OR RELATOR. JOSEPH HOMER, Boston, Mass., assignor to Corinne Homer, Brookline, Mass. Filed June 6, 1923. Serial No. 643,730. 3 Claims. (Cl. 32—1.)



1. A dental articulator comprising fixed and movable frame members, said movable frame member provided with a chamber, a jaw member having a portion adapted to extend into said chamber, and a plastic medium disposed in said chamber surrounding the end of said jaw member to connect it to said frame member while permitting a certain movement thereof relative to the frame member.

1,482,994. FLAX AND LIKE PULLING OR HARVESTING MACHINE. SAMUEL CRAWFORD IRVINE, Belfast, Ireland. Filed Jan. 5, 1923. Serial No. 610,864. 12 Claims. (Cl. 55—66.)

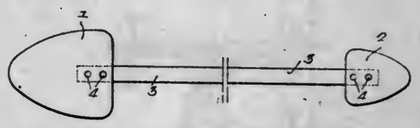


1. In a flax or like pulling and harvesting machine, the combination with means for pulling the material out of the ground and releasing it at a suitable point, of a comb for engaging the pulled material and means for moving said comb to deposit said material away from said pulling means.

2. In a flax or like pulling and harvesting machine, the combination with means for pulling the material out of the ground and releasing it at a suitable point, of a comb for engaging the pulled material and means for imparting a combined angular and translatory movement to said comb in order to deposit said material away from said pulling means.

7. In a flax or like pulling and harvesting machine, the combination with means for pulling the material out of the ground and releasing it at a suitable point, a side bar for engaging fallen material at the side of the machine for lifting same into engagement with the means for pulling the material out of the ground, and a comb for engaging the pulled material and means for moving said comb to deposit said material away from said pulling means.

1,482,995. SHOE TREE. ARTHUR C. JACKSON, Philadelphia, Pa., assignor to The Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1922. Serial No. 556,106. 2 Claims. (Cl. 12—128.1.)



1. A shoe tree consisting of a spring metal strip having a toe piece at each end, one toe piece being larger the the other, and each toe piece being formed to fit a shoe of a given shape.

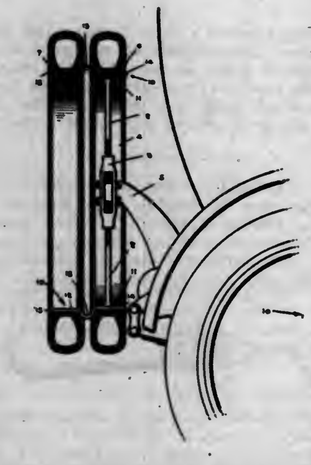
1,482,996. GLASS VENTILATOR. THOMAS A. JENKINS, Jersey City, N. J. Filed Mar. 17, 1922. Serial No. 544,541. 2 Claims. (Cl. 98—31.)

1. In a ventilator opposed spaced sets of fixed panel supports of each set arranged in spaced relation, each of said supports comprising an inclined rectangular supporting member, a flange integral with and of less length than one longitudinal edge of said member and further integral with one end edge and spaced from the other end edge of said member, a flange integral with the other longitudinal edge of and spaced from the flanged end of said member and further projecting beyond the other end edge of said member, said flanges disposed at right angles with respect to said member opposing each other and further one projecting beyond one end of the other, and means extending through the portion of that flange



which projects beyond one end edge of said member for securing a panel supported by the opposed flanges against the flanged end of said member.

1,482,997. SPARE-RIM CARRIER. NELS JENSEN, Berlin, Wis. Filed Oct. 5, 1922. Serial No. 592,519. 1 Claim. (Cl. 224—29.)

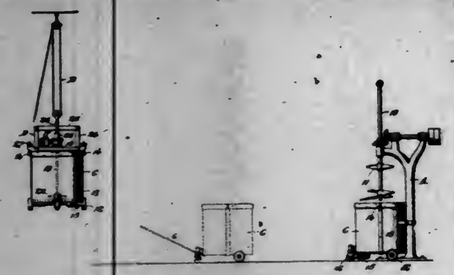


A spare rim carrier comprising aligning rods, a turnbuckle threaded on the adjacent terminals thereof, and heads secured to the opposite ends of said rods, each head having a portion to fit in and bear against a rim carrier, another portion to fit in and bear against an extra rim, an arched bend between said portions, and bent portions at the opposite ends of said portions to engage the last named carrier and rim, the second-named portion of each head being offset relatively to the first named portion of the head away from the turn-buckle.

1,482,998. AGITATING APPARATUS. JAMES W. KENT, Brooklyn, N. Y., assignor to Kent Machine Works, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,766. 3 Claims. (Cl. 259—1.)

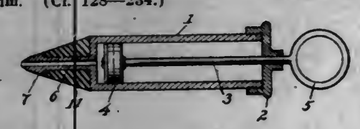
1. In apparatus of the class described, a suspended stirring mechanism, means for elevating and lowering

said mechanism in suspension, and means for detachably and operatively connecting the mechanism to a dispensing



tank whereby the tank and mechanism may be elevated in operative union to facilitate dispensing and effect stirring of the tank's contents during dispensing.

1,482,999. SYRINGE. EDWARD H. KOHNEN, Cincinnati, Ohio. Filed Nov. 3, 1919. Serial No. 335,826. 1 Claim. (Cl. 128—234.)



In a syringe, a barrel, a piston in said barrel, an outlet from the barrel, an extension from the barrel of reduced width, a tapered nozzle on the end of the extension of greater width than the extension but integral therewith, and a tapered soft rubber body mounted on the extension and filling the space between the tapered nozzle and the barrel wall.

1,483,000. ELECTRIC COOKING UTENSIL. HENRY KRUESHELD, New Washington, Ohio, assignor to The Perfection Electric Products Co., New Washington, Ohio, a Corporation of Ohio. Original application filed Apr. 18, 1922, Serial No. 554,703. Divided and this application filed Apr. 9, 1923. Serial No. 630,982. 1 Claim. (Cl. 53—10.)



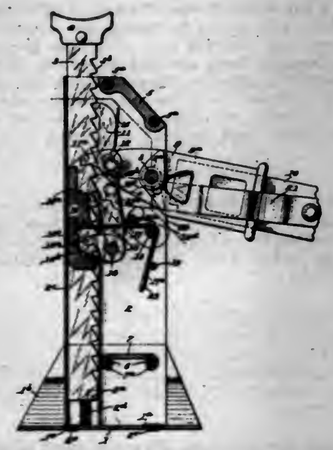
A handle connection for cooking utensils comprising a socket member the walls of which are flattened together for attachment to the utensil, a block having a threaded bore fitting in the socket, the walls of the socket having depressed nibs engaging the block to hold it in place, and a handle fitting in the end of the socket and having a screw at its inner end engaging the bore of the block.

1,483,001. CURB COCK. AUGUST KUEBE, Brooklyn, N. Y. Filed Nov. 6, 1922. Serial No. 599,309. 1 Claim. (Cl. 251—113.)

In a cock having a rotatable valve member, an all-metal casing for the valve member having a valve seat for said member and also having fluid passage openings leading to said valve seat, a stem projecting beyond the casing and carried by the valve member for manually turning the latter, and all metal means associated with the casing and the valve member for limiting endwise movement of the latter in the casing, the combination of means carried by the cock to retard chemical and electrolytic corrosion of the all-metal parts when the cock is used as an underground shut-off; said means including a supplementary all-metal casing partially permanently carried by the main casing and partially comprising an all-metal annular structure detachably carried by the cock, said supplementary casing having the parts thereof so shaped that when said annular structure is attached a chamber is provided between the two casings completely non-communicant with said valve seat, and a collection of oleaginous material packed tight in said chamber, said chamber extending along the main casing except where the latter is interrupted by said openings.



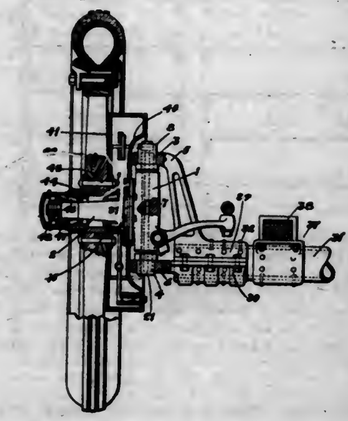
1,483,002. LIFTING JACK. GEORGE LANE, Poughkeepsie, N. Y., assignor to Lane Brothers Company, Poughkeepsie, N. Y., a Joint Stock Association of New York. Filed Mar. 19, 1923. Serial No. 626,205. 15 Claims. (Cl. 254—111.)



1. A lifting jack comprising a standard, a lifting bar slidably guided therein, lifting and holding pawls cooperating with said lifting bar, spring means normally pressing said pawls into operative relation to said lifting bar, angularly disposed contact arms rigidly connected with said pawls and extending at right angles to the pivotal axes of the pawls, a floating member having spaced abutments for contact with the lower sides of said arms, yielding means tending normally to force said floating member into position to contact with said arms, and means for positioning said floating member so that its abutments will be inactive with respect to said arms.

15. In a lifting jack, a standard of pressed sheet metal of channel shape having outwardly pressed portions in its sides forming lengthwise disposed internal grooves and external ribs, a relatively broad base to the intermediate portion of which the lower end of the standard is secured, said base having upwardly and inwardly converging wing portions, the upper edges of which are bent into parallelism with the side walls of the standard and secured thereto, the parallel portions having outwardly pressed portions forming grooves to receive the ribs of the standard.

1,483,003. STEERING-KNUCKLE CONSTRUCTION FOR VEHICLES. RALPH M. LOVEJOY, Meredith, N. H. Filed Feb. 6, 1922. Serial No. 534,451. 11 Claims. (Cl. 280—96.1.)



1. A steering knuckle construction for vehicles comprising a steering knuckle having oppositely extending trunnions and a yoke formed in separable sections having sockets for the respective trunnions and complementary base portions surrounding the vehicle axle, means for detachably securing one of said base sections to the axle and means for securing said base sections together.

1,483,004. CONSTRUCTION JACK. JOHN W. MACDOW, Newark, N. J. Filed May 15, 1922. Serial No. 561,070. 2 Claims. (Cl. 254—100.)



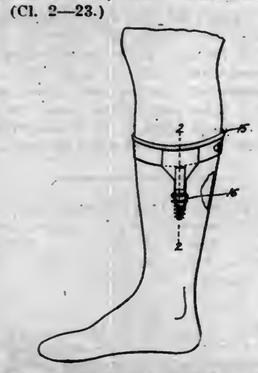
2. A jack of the class described comprising a supporting base, an object engaging head mounted thereon and composed of laterally spaced parallel angle bars, the upright flanges of which are equipped with a plurality of registering apertures, clamping jaws mounted to slide between said bars and recessed in their opposed faces to receive the upright members of the bars, the recessed portion of said jaws being apertured to register with the apertures in said bars, and pins to extend through the apertures in the bars and jaws for holding said jaws in adjusted position.

1,483,005. ELECTRIC FENCE. ALBERT DUY MCNAIR, Fayetteville, Ark. Filed July 23, 1921. Serial No. 486,979. 5 Claims. (Cl. 175—265.)



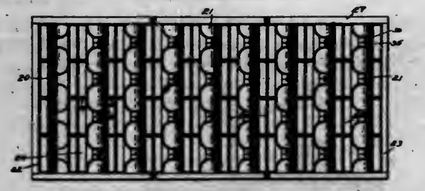
3. An electric fence comprising a normally open circuit, and means operated to close said circuit upon application of pressure to the fence.

1,483,006. HOSE. GROVER B. MELLUS, Los Angeles, Calif. Filed Oct. 31, 1921. Serial No. 511,587. 5 Claims. (Cl. 2—23.)



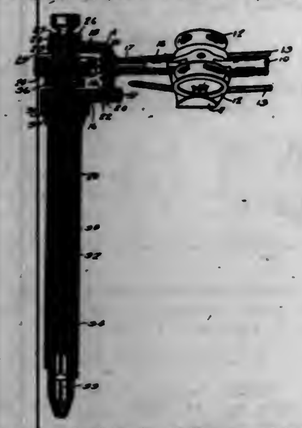
1. A hose having an annular bead formed at its open end, and a slit at its intermediate portion adapted to receive the head portion of a garter clasp for the purpose set forth.

1,483,007. BLOCK MOLD. FRED H. MORRISON, Marion, Ohio. Filed Jan. 11, 1923. Serial No. 612,086. 10 Claims. (Cl. 25—121.)



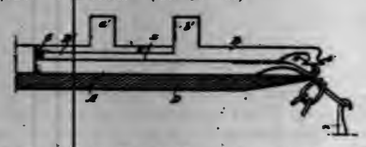
1. A molding apparatus comprising a plurality of parallel sets of molds, and each of the molds of each set consisting of a pair of vertically extending and oppositely disposed concave-convex front and rear cores, each provided with a pair of oppositely extending rightangularly disposed end portions, an upper core common to the molds of and mounted on the vertical cores of the molds of each set, a bottom core common to and having the vertical cores of each set mounted thereon, and partitions each common to the molds of the set and having the end portions at one side of the vertical cores of the molds of the set abutting there against.

1,483,008. DENTAL HANDPIECE FOR DRILLS. HAROLD H. OZANNE, Emmetsburg, Iowa, assignor of one-third to Leonard Vaughan and one-third to Laurens D. Potter, both of Emmetsburg, Iowa. Filed Sept. 17, 1923. Serial No. 663,093. 5 Claims. (Cl. 32—15.)



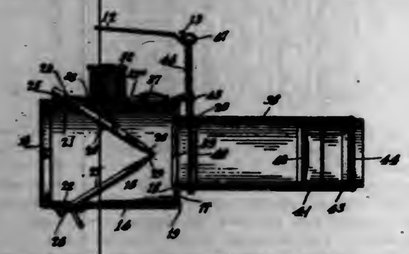
1. A dental hand piece for drills comprising a hand piece casing, a frame, means for detachably connecting the casing to the frame, a pulley wheel mounted in said frame, said frame comprising an upper and lower part demountably connected together, said pulley wheel being journalled in the upper part of the frame for permitting the parts of the hand piece to be disassembled without disconnecting the pulley wheel from its belt.

1,483,009. KNITTING-MACHINE NEEDLE. ALBERT E. PAGE, Flatbush, Brooklyn, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of Massachusetts. Filed May 23, 1921. Serial No. 471,715. 5 Claims. (Cl. 66—5.)



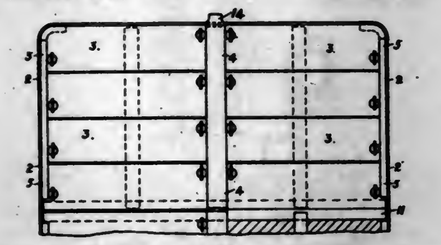
1. A knitting machine needle in two parts, comprising a needle body and a latch in sliding relation to each other, one of the parts having an open groove in its side to receive and guide a part on the other.

1,483,010. ELECTRICAL THERAPEUTIC DEVICE. SAMUEL E. FEDEN, St. Louis, Mo. Filed Dec. 5, 1922. Serial No. 605,141. 4 Claims. (Cl. 174—177.)



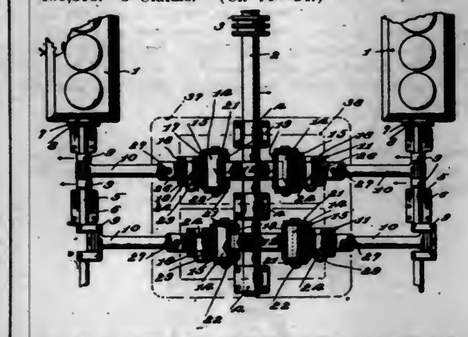
1. A therapeutic device comprising a light casing provided with a light directing tube, inclined carbon holders projecting into said casing, circuit connections leading to said holders, carbons carried by said holders to provide an arc, a magnetic device for shifting one of said holders, a pair of concavo-convex lenses mounted in said tube and spaced from each other, one of said lenses arranged in proximity to the arc, the other of said lenses being colored, and a bi-convex lens mounted in said tube forwardly of said colored lens.

1,483,011. HATCH COVERING FOR NAVIGABLE VESSELS, APPLICABLE TO OTHER SIMILAR PURPOSES. WILLIAM GEORGE READ, Prescot, England. Filed Aug. 2, 1922. Serial No. 579,259. 4 Claims. (Cl. 114—208.)



1. In combination, a hatch cover, a locking means therefor, comprising a locking bar having an extension to overlie the hatch cover, means for removably holding one end of said bar, a socket to receive the other end of said bar, and a locking member seating flush in a recess in said socket and having a projection to pass through openings formed in said bar and the walls of said socket.

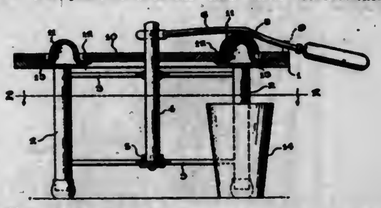
1,483,012. REDUCTION AND MULTISTROKE POWER-TRANSMITTING MECHANISM. CHARLES REINEKE, New York, N. Y. Filed Mar. 7, 1921. Serial No. 450,308. 5 Claims. (Cl. 74—14.)



1. The combination with a plurality of parallel high speed driving shafts and a relatively slow speed driven shaft arranged between the same, of a cam fixed to the driven shaft, a cross head adapted to reciprocate in a plane perpendicular to the axis of the driven shaft and provided with oppositely arranged abutment members constructed and positioned to engage said cam at substantially diametrically opposite points, and means connecting said cross-head to said driving shafts in such manner that one of the driving shafts will pull the cross-head in one direction while the other driving shaft is pushing the cross-head in the same direction.

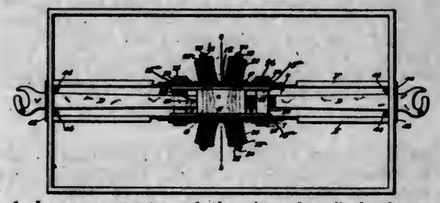
1,483,013. EXTRACTOR. SPURGEON ROBERTS, Corsicana, Tex. Filed Jan. 24, 1923. Serial No. 614,625. 3 Claims. (Cl. 100—41.)

1. A device of the class described comprising a frame, a disc rotatably mounted thereon, means for holding portions of fruit on the disc, a handle, a compression cup thereon and means for permitting the handle to be moved vertically in order to place the compression cup in contact with a portion of fruit on the disc to squeeze the juice therefrom and then horizontally to



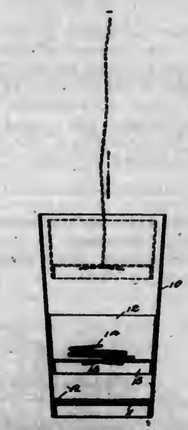
partially rotate the disc to bring another portion of fruit into compression position so that it can be engaged by the cup when the handle is brought back to a compression position.

1,483,014. PRESSURE DRAFT GEAR. HENRY J. SCHAEFER, Ashtabula, Ohio. Filed Dec. 1, 1920. Serial No. 427,529. 7 Claims. (Cl. 213—44.)



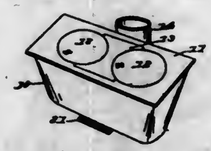
1. In an apparatus of the class described, the combination with a draw bar; of pull distributing means, and a connection between said means and bar whereby a pull on the bar will be distributed throughout the car.

1,483,015. OUTFIT FOR PRODUCING DRINKS. HENRY SCHNACKENBERG, Stroudsburg, Pa. Filed July 15, 1922. Serial No. 575,402. 3 Claims. (Cl. 206—56.)



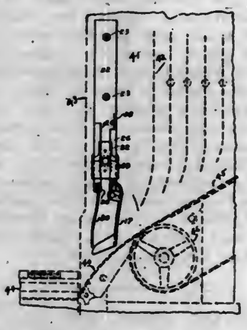
1. As a new article of manufacture, an outfit for producing drinks, said outfit comprising an outer cup having a closed bottom, a cuplike closure within the outer cup and having a bottom forming with the bottom of the outer cup a chamber, and commodity in said chamber, said chamber being air and moisture-tight by reason of the fit of said inner cuplike device within the outer cup; together with an extensible strip attached to said inner cuplike device and serving for use in pulling said device from the outer cup, said strip when extended having a length to constitute a stirrer for the commodity in the outer cup.

1,483,016. HEATING ATTACHMENT FOR COOK-STOVES. JOHN F. SECKINGER, Humboldt, Saskatchewan, Canada. Filed May 27, 1920. Serial No. 384,615. 1 Claim. (Cl. 126—301.)



The combination with a cook stove having a stove pipe for connection with a chimney, of a downwardly tapered shell comprising side and end walls and provided with a top plate constructed to receive the stove lids I-bar of the stove, said shell being open at the bottom for interior communication with the stove through the space provided by the removal of the lids and I-bar, said shell on its front wall being provided with a tongue at the lower edge for engagement under the edge of the top plate of the stove, and an auxiliary draft connection between the shell and the stove pipe and communicating with the former adjacent the top.

1,483,017. ADJUSTABLE CHUTE SPRING FOR TYPE-SETTING MACHINES. ROBERT SHIELDS, Brooklyn, N. Y. Filed Mar. 4, 1922. Serial No. 541,074. 4 Claims. (Cl. 199—28.)



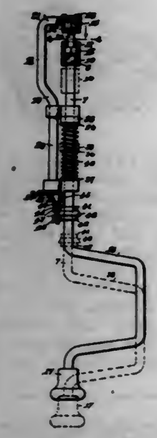
1. In a typesetting machine, the combination with a master chute spring mounted for vertical adjustments and means for effecting vertical adjustments thereof, of an auxiliary chute spring, and means for effecting simultaneous relative movement of the auxiliary chute spring in an opposite direction upon movement of the master chute spring.

1,483,018. METHOD OF PRODUCING COMPOSITE BEARINGS. GEORGE A. SHOEMAKER, Philadelphia, Pa., assignor to Bound Brook Oil-Less Bearing Company, a Corporation of New Jersey. Filed Sept. 27, 1921. Serial No. 503,475. 4 Claims. (Cl. 22—194.)



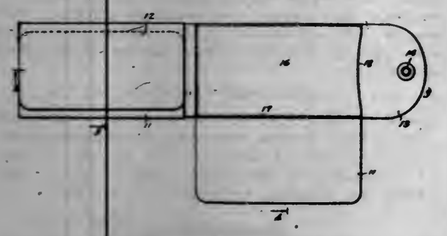
1. A core for casting hollow cylindrical or semicylindrical bodies having radial openings therein to provide radial studs or protuberances on the inner face of the casting, said radial openings of the core being formed by displacing the material of the core through openings in a liner arranged within the core box while filling and ramming the core.

1,483,019. WRENCH. EDWIN R. SMITH and JOHN A. CROSBY, Wilacoochee, Ga. Filed Nov. 2, 1922. Serial No. 598,545. 5 Claims. (Cl. 81—55.)



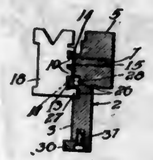
1. A wrench comprising a nut holding element provided with a nut receiving socket open at each end, a lengthwise shiftable and rotatable bolt removing element provided with a bolt head receiving socket opposing the nut receiving socket, means for locking said nut receiving element with the bolt removing element whereby movement of the former is arrested during the operation of the bolt removing element, an inner and an outer coupling member for connecting said elements together, said inner member carrying said locking means for said element, a resilient element surrounding said bolt removing element and confined by said member, and a shiftable and a stationary annular member mounted on said bolt removing element and interposed between said coupling members and provided with conical extensions projecting into said resilient elements.

1,483,020. CHANGE PURSE AND BILL FOLD. EDWARD SPERLING, New York, N. Y. Filed Jan. 26, 1923. Serial No. 615,018. 1 Claim. (Cl. 150—38.)



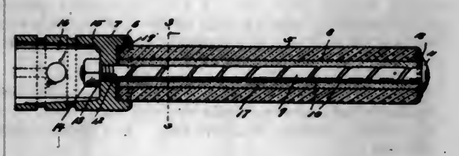
The combination with a bill fold consisting of a strip of material, a pair of inwardly foldable flaps at the opposite side edges of one end, an inwardly foldable flap at one side of the other end, an inwardly foldable end flap at the latter end, said strip being medially foldable to dispose the side flaps in confronting relation, and interengageable means provided respectively on the end flap and the outer side of the opposite end of the bill fold for retaining the same in folded condition, of a change pocket arranged to lie parallel and under the single inwardly foldable side flap, said change pocket having its mouth disposed adjacent the end flap whereby said end flap also constitutes a closure for the pocket.

1,483,021. CASTING MACHINE. ASHTON G. STEVENSON, Chicago, Ill. Filed Jan. 29, 1921. Serial No. 441,077. 4 Claims. (Cl. 199—55.)



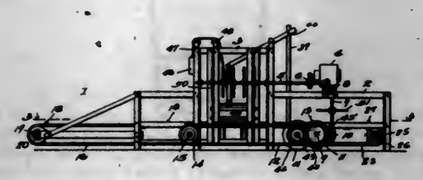
1. In a machine of the character described, a slug mold lower than the standard mold, closure means for forming the upper face of the slug, positioned in front of the mold, and spaced therefrom equal to the reduction in the height of the mold, a mask positioned between the face of the mold and said closing means for carrying the mold slot forward from the face of the mold to said closing means and causing the production of a full height slug, the mold having a guide groove in its face, other slot closing means associated with said closing means and formed for engagement with the mask and for entering said guide groove to cause the proper registration of the three parts of the slug forming cavity.

1,483,022. PUMP PLUNGER AND CROSSHEAD. JOHN W. STEWART, Martinsburg, W. Va. Filed July 20, 1923. Serial No. 652,824. 7 Claims. (Cl. 74—108.)



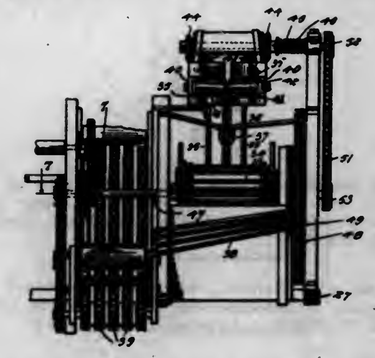
4. The combination with a cross head, of a pump plunger consisting of an outer vitreous cylinder, a metallic securing bolt of a non-corrosive nature extending the full length of and secured in the cylinder and having an outer headed end and a inner screw-threaded and nutted end connected to the cross head, and a wood fiber washer interposed between the inner end of the vitreous cylinder and the cross head around the bolt.

1,483,023. AUTOMATIC ICE-SCORING MACHINE. GEORGE R. THEIS, Winchester, Va., assignor to Snapp Foundry, Inc., Winchester, Va. Filed Mar. 6, 1923. Serial No. 623,154. 5 Claims. (Cl. 125—13.)



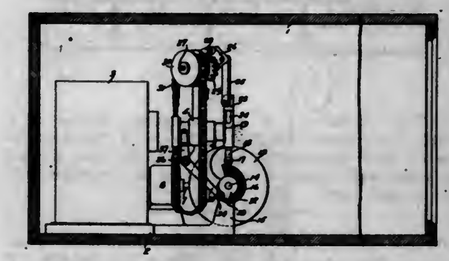
1. The combination in an ice scoring machine with a horizontally disposed conveyer for an ice plate, of an elevator and means thereon for lifting said plate, means for raising and lowering said elevator, means in the path of movement of said plate as it is being elevated for transversely scoring said plate, and means located between said elevator and the delivery end of the conveyer for longitudinally scoring said ice plate.

1,483,024. POTATO HARVESTER. WILLIAM T. TRAVIS and PAUL J. TRAVIS, Oyster, Va. Filed Aug. 26, 1920. Serial No. 406,227. 4 Claims. (Cl. 55—51.)



1. A potato harvester having a digger and a vine and earth separator consisting of a potato supporting conveyor and a superjacent vine engaging and advancing carrier, and a transverse stripper having a potato engaging loop for detaching potatoes from the vines.

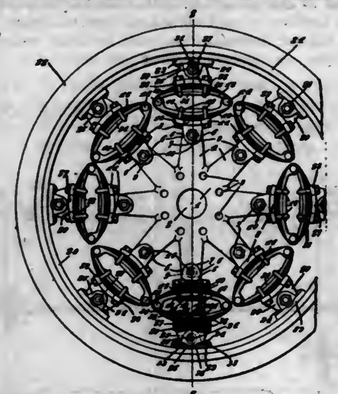
1,483,025. PROJECTING MACHINE. GILBERT M. TUCKER, Jr., Glenmont, N. Y. Filed Sept. 27, 1921. Serial No. 503,556. 8 Claims. (Cl. 88—28).



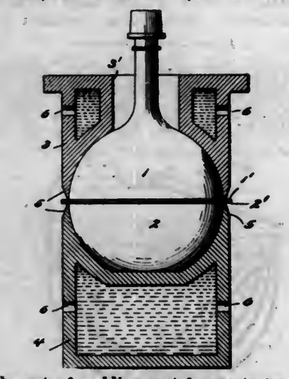
1. A projecting apparatus which comprises a plurality of spaced picture sections, a projecting frame through which said picture sections are successively passed, means for moving said series of pictures through said projecting frame, and means operated by said picture-moving means to clamp each picture successively in position in said projecting frame and to interpose a shield between the clamped section and the adjacent section to prevent the spread of fire.

1,483,026. RESILIENT SPRING WHEEL. ARTHUR DARBY WACK, St. Louis, Mo., assignor to Giant Resilient Wheel Company, St. Louis, Mo., a Corporation. Filed Dec. 9, 1920, Serial No. 429,400. Renewed Nov. 26, 1923. 1 Claim. (Cl. 152—32.)

A device for use in the making of a spring wheel, comprising symmetrical elliptical leaf springs each including inner and outer members; securing devices connecting the leaves of the inner and outer members; clips cooperating with the inner surfaces of the inner and outer members, brackets cooperating with the outer surfaces of the inner members, and brackets cooperating with the outer surfaces of the outer members, the brackets and the clips having recesses receiving the ends of the securing elements, the first specified brackets having wings, and the last specified brackets having webs, each web including an intermediate bearing projection, and being supplied with inclined stop edges located on opposite sides of the bearing projection; pivot elements mounted in the brackets; and U shaped connectors detachably assembled with the brackets and extended about the inner and outer members of the springs and about the clips, the clips having grooves for the reception of the connectors.

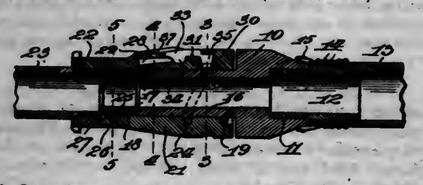


1,483,027. ART OF WELDING METAL RECEPTACLES. WALTER WAGNER, Chicago, Ill. Filed Oct. 5, 1922. Serial No. 592,665. 3 Claims. (Cl. 113—99.)



1. In the art of welding metal receptacles of the type including an upper and lower half section having meeting marginal flanges, means positioned upon the receptacle for preventing the heating of the same while the marginal flanges undergo the welding operation, said means being so formed as to allow the said marginal flanges to project therefrom.

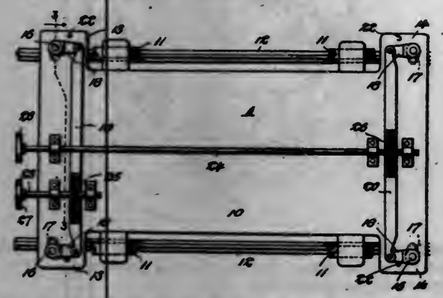
1,483,028. COUPLING FOR HOSE, PIPE, AND THE LIKE. HARRY R. WALSH, San Pedro, Calif., assignor to Walsh Automatic Coupling Company, Los Angeles, Calif., a Corporation of California. Filed Mar. 9, 1922. Serial No. 542,275. 9 Claims. (Cl. 285—75.)



1. In a hose coupling, a pair of tubular members, a tubular extension on one of said members, which extension has threaded engagement with the other member,

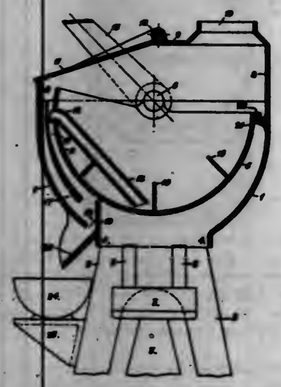
the thread between said members being notched, and a latching member arranged in an aperture extending lengthwise of one of said tubular members adapted to engage the notches in said thread to lock the parts of the coupling against disconnection, said latching means being pivoted upon an imperforate lug and secured by a ring.

1,483,029. SANDING DEVICE FOR MINE MOTORS. IRA F. WHITE, Oakwood, Ill. Filed Oct. 15, 1923. Serial No. 668,753. 3 Claims. (Cl. 291—28.)



2. A sanding device for mine motors including a sand box having a delivery opening, a rotatable shaft within said box, a plate carried by said shaft to control delivery of sand through said opening, means for rotating said shaft, and means carried by said shaft to agitate and break up sand within the box when the shaft is rotated.

1,483,030. FURNACE FOR MELTING STEREO AND SIMILAR METALS, AND OTHER MATERIALS. HERBERT W. V. WILSON, Meols, England. Filed Oct. 24, 1922. Serial No. 596,642. 6 Claims. (Cl. 266—13.)



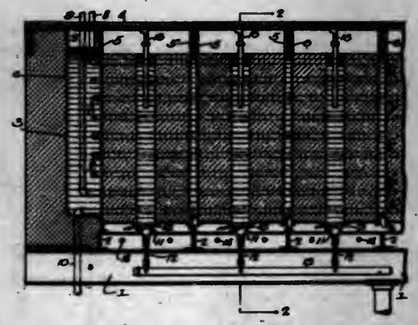
2. A furnace for melting stereo and other metals or materials, comprising an outer casing, comprising upper and lower separate parts, the upper part including a hinged lid or door and formed to provide a gas discharge flue, the lower part having a discharge channel, and a pot supported in the outer casing on a horizontal axis for oscillation, and blades in the pot for mixing the material during the oscillation of the pot.

1,483,031. ROPE-GUIDE DEVICE. DANIEL M. WINANS, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed July 21, 1923. Serial No. 653,003. 18 Claims. (Cl. 156—15.)

8. In combination with an awning or shade, having a flexible fabric, a guide device comprising a loop strap of circular contour with ends thereof formed into abutments to close said loop, an integral foot flange for each of the respective abutments disposed upon one side of the fabric, a clinch prong for each said foot flanges extending through said fabric, and a keeper plate on the opposite side of said fabric adapted to engage said prongs for fastening said flanges to the fabric, substantially as described.

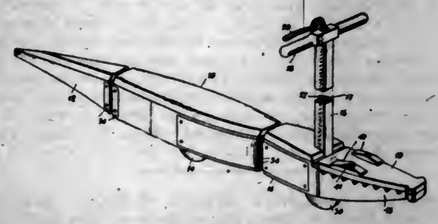


1,483,032. ICE-MAKING APPARATUS. JOSEPH F. WINKLER, Philadelphia, Pa. Filed Feb. 23, 1922. Serial No. 538,677. 4 Claims. (Cl. 62—157.)



1. The combination in a refrigerating system of a tank; cans therein adapted to receive a liquid to be frozen; heat transferring medium in the tank around the cans; and means for establishing an electrical current in said liquid.

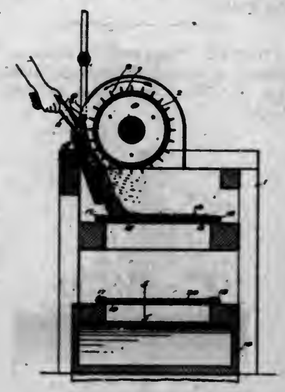
1,483,033. SCOOTER. PHILIP H. WISMAN, Washington, D. C. Filed Aug. 12, 1922. Serial No. 581,498. 7 Claims. (Cl. 280—87.5.)



4. In an amusement vehicle a plurality of hinged sections simulating in contour the body of an animal, certain of said sections being supported by rollers positioned midway of their length, a steering post rigid with and a member hingedly secured to the forward section, and means controlled at will by the operator for moving said hinged member.

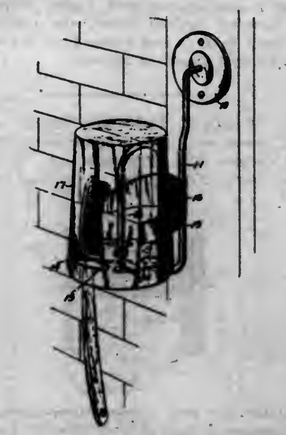
1,483,034. HACKLING MACHINE. LUCIUS B. WOOTTON, Jacksonville, Fla. Filed Nov. 11, 1922. Serial No. 600,361. 5 Claims. (Cl. 19—7.)

2. A hackling machine, comprising a hackling drum provided with comparatively thin teeth, a chute for directing matter to be hackled to a point adjacent said drum whereby it is entered and shredded by said teeth,



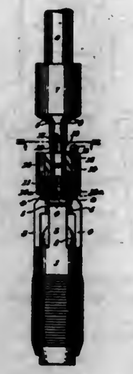
and means for directing water under high pressure against the matter to be hackled during the hackling operation.

1,483,035. TOILET DEVICE. WILLIAM EDWARD WYATT, Toronto, Ontario, Canada. Filed Oct. 6, 1922. Serial No. 592,789. 1 Claim. (Cl. 248—63.)



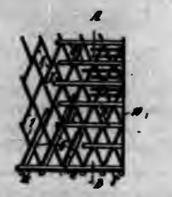
In a tooth brush holder, a bracket having one end adapted to be secured to a wall and having a portion extending downwardly therefrom and bent outwardly and upwardly to form a U-shaped portion, the upwardly extending leg of the U-portion of said bracket being bent outwardly and downwardly to form an inverted U-shaped portion, the free leg of said last-mentioned downwardly extending portion having a circular plate secured thereto adapted to support a drinking glass in an inverted position over said inverted U-shaped portion with the intermediate leg of the U-portions in supporting contact with the inner side of the glass, said circular plate having a slightly less diameter than the internal diameter of the glass, whereby the periphery of said plate contacts with the inner surface of the glass adjacent the upper peripheral edge thereof, said plate having a series of recesses spaced around the periphery for receiving brushes, and a clamping member carried by the bracket having portions curved to conform with the glass and extending in opposite directions about the glass to embrace the same at substantially diametral points, substantially as set forth.

1,483,036. VALVE EXTRACTOR FOR WELLS. ROBERT L. WYCKOFF, Independence, Kans. Filed Jan. 18, 1923. Serial No. 613,546. 3 Claims. (Cl. 294—86.)



1. In a valve extractor for wells, a socket member carrying a depending screw, a block threaded on said screw, and cooperating means carried by the block and screw permitting rotation of the block on the screw in one direction, said cooperating means including a pawl carried by the upper edge of the block, and a longitudinal groove formed in the screw into which the pawl ratchets.

1,483,037. MEANS OF MANUFACTURING SPACE-COVERING STRUCTURES SUCH AS ROOFS, FRAME WALLS, AND THE LIKE. FRIEDRICH ZOLLINGER, Merseburg, Germany. Filed Jan. 11, 1922. Serial No. 528,460. 8 Claims. (Cl. 108—1.)

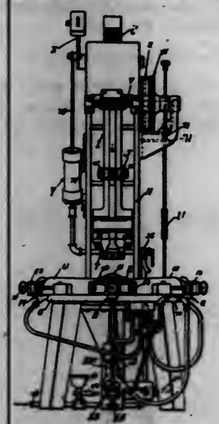


1. Space enclosing structural elements such as walls, roofs, lattice work and the like, comprising angularly related elements, each of which, extending in one general direction, engages at its ends with approximately central points of elements which extend in another general direction.

1,483,038. SWAGING MACHINE. MICHEL CARL ZEDERBAUM, JOB FISH, Jr., and LOUIS JOHN KIRCHENBAUER, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 25, 1920. Serial No. 412,801. 25 Claims. (Cl. 78—13.)

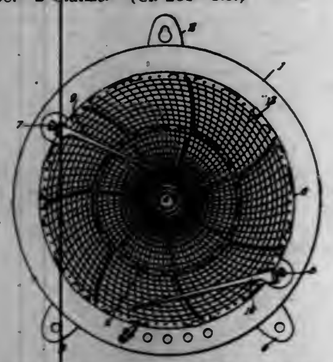
1. In a forging machine, a table having a central recess, dies therein, radial recesses in said table, hammers in said recesses, said radial recesses having an opening

in line with said central recess, a vertical opening in the bottom of said central recess, a hammer in said opening, the dies being adapted to receive an article to



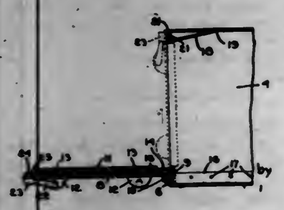
be forged and the hammers to be operated to deliver blows or pressure upon the dies, and article to be forged therein.

1,483,039. METER. JOSEPH W. BICKEL, Chicago Heights, Ill., assignor of one-half to George S. Bartlett, Evanston, Ill. Filed Jan. 27, 1921. Serial No. 440,258. 2 Claims. (Cl. 234—5.5.)



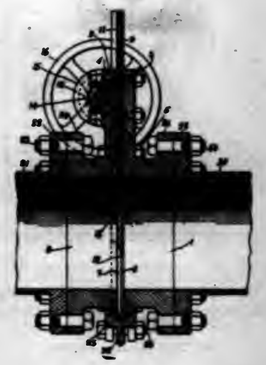
1. In combination, a one-piece chart having two concentric portions, each portion carrying graduations and complete indicia for reading the same, whereby the two portions may be separated for independent use.

1,483,040. COMBINED RECEPTACLE AND CUTTING BOARD. LOUIS P. BONIER, Woonsocket, R. I. Filed Apr. 8, 1922. Serial No. 550,706. 6 Claims. (Cl. 45—71.)



1. A sheet metal receptacle comprising a body, a door hinged to said body adjacent to the bottom thereof having a plate of fibrous material secured to the inner face thereof to provide a cutting board and a plurality of standards secured to said door for supporting said door upon the base upon which the receptacle rests, to prevent strain upon the hinge when cutting is done upon said cutting board.

1,483,041. VALVE. WILLIAM J. BROOKS, Middletown, Ohio, assignor to George H. Harvey, Middletown, Ohio. Filed Feb. 25, 1921. Serial No. 447,782. 4 Claims. (Cl. 251—54.)



1. In a valve of the character described, the combination, with two members comprising a casing, a valve slide mounted to slide back and forth across the casing and having a cutting edge, and a gate having a bed of yieldable material against which the cutting edge of the blade may contact and secured to the casing in a manner to be held closed or opened.

1,483,042. BUILDING CONSTRUCTION. ARTHUR H. COOMBS, Atascadero, Calif., assignor of one-fourth to Wendell Coombs Hill, Washington, D. C. Filed Sept. 19, 1922. Serial No. 589,209. 9 Claims. (Cl. 72—30.)



5. A tie rod for wall constructions having an intermediate corrugated portion and spaced vertical extensions at each end thereof.

1,483,043. FIRE EXTINGUISHER. CHARLES M. FAHNESTOCK, Cincinnati, Ohio, assignor to The "Save-M" Fire Extinguisher Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 23, 1922. Serial No. 602,827. 1 Claim. (Cl. 169—35.)

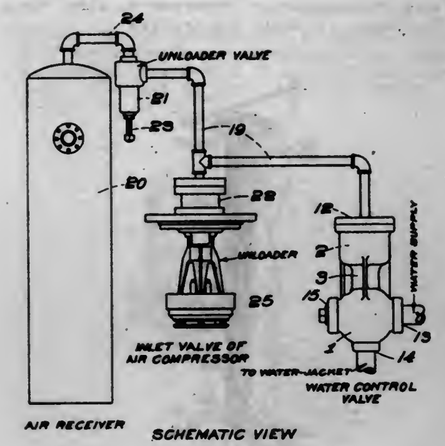
A fire extinguisher including a hollow body portion adapted to contain fire extinguishing material and provided at one end with an annular shoulder from which a smooth frustro-conical wall extends outwardly, a perforated plate arranged at the outer end of said wall and forming with said shoulder and wall a head for said body portion, a hollow cap for said having a socket provided with a smooth frustro-conical resilient wall adapted to engage the frustro-conical wall of the body portion and prevent accidental detachment of said cap, and a finger

projecting from the edge of said cap toward the body portion to permit the extinguisher to be hung on a hook, said frustro-conical walls exerting sufficient friction on



one another to support the body portion from the cap until sufficient force is exerted on the body portion to pull the same from the cap.

1,483,044. WATER-REGULATING SYSTEM FOR AIR COMPRESSORS. LEON F. HOFFMAN and HARRY C. WASSON, Franklin, Pa. Filed Nov. 8, 1921. Serial No. 513,714. 4 Claims. (Cl. 230—24.)



SCHEMATIC VIEW

1. In a water-regulating system for the cooling water of air compressors, in combination, an air compressor having a water-jacketed cylinder, a conduit through which water is supplied to said water-jacket, a valve in said conduit, means normally and yieldably retaining said valve in the open position, means adapting said valve to be actuated to its closed position by the use of compressed air, a compressed air actuated unloading device for said air compressor, and means whereby compressed air is simultaneously applied to both said valve and to said unloading device, and simultaneously released therefrom.

1,483,045. TUBULAR STUD. WILLIAM A. REINHARDT, Ashland, Wis. Filed Aug. 28, 1922. Serial No. 584,739. 3 Claims. (Cl. 240—85.)



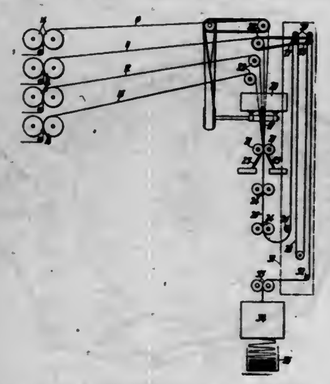
1. A stud of the character described having a tapered body portion, an annular projection about the base of the tapered portion, and opposed clinching tongues formed within the tapered portion for engaging a support between the annular projection and the tongues.

1,483,046. ROOF COVERING. GEORGE RITTER, Perth Amboy, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Mar. 8, 1922. Serial No. 541,892. 10 Claims. (Cl. 108—7.)



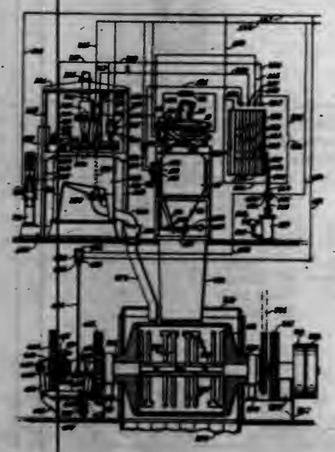
2. A roof covering comprising an aggregate of unit shingles laid in staggered overlapping courses, a strip of material laid between adjacent courses, and means on the strips and shingles coacting to lock each shingle between an overlying and underlying pair of strips.

1,483,047. PROCESS AND APPARATUS FOR PRODUCING MULTIPLE-PLY WEBS. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 9, 1923. Serial No. 611,620. 14 Claims. (Cl. 270—4.)



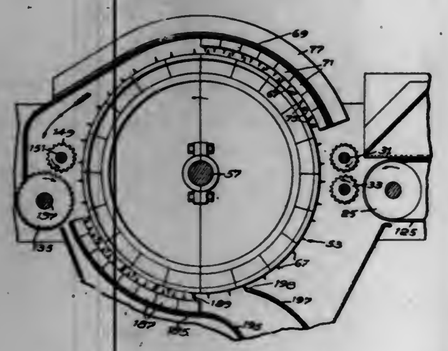
1. The method of manufacturing a composite web for use in a typewriting machine, consisting in printing successions of forms upon a plurality of plies, assembling the plies with the forms in register, applying adhesive material to one set of edges of the assembled plies to form a padded web, and reducing the composite web to a compact multiple-layer form or coil.

1,483,048. APPARATUS FOR MEASURING AND MIXING MATERIALS. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1921. Serial No. 508,491. 20 Claims. (Cl. 83—73.)



1. An apparatus of the character described, comprising, in combination, a mixer, scales having containers, inlet valves for admitting materials to said containers, outlet valves for delivering the materials from said containers to said mixer, that they may be mixed by the latter, and electrical means operable in response to operation of the scales for closing the inlet valves on delivery of charges of predetermined weight to said containers.

1,483,049. MACHINE FOR FLUFFING FIBERS. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1923. Serial No. 633,317. 6 Claims. (Cl. 19—83.)



1. A machine for fluffing fibers comprising, in combination, a cylinder having pins on the peripbery thereof, means to feed a mass of fibers to the cylinder, members having pins projecting toward the cylinder, said members being spaced circumferentially of the cylinder, a pair of rolls adjacent the cylinder and intermediate said members for feeding fibers to the cylinder, and means to rotate said cylinder, thereby to cause its pins to sweep past said feeding means, members and rolls, thereby to pick the fibers from the feeding means and rolls and fluff up the fibers.

1,483,050. HOSE CLAMP. ERNEST D. WELLS, Atlanta, Ga., assignor of one-half to Stiles Hopkins, Atlanta, Ga. Filed Feb. 13, 1923. Serial No. 618,804. 1 Claim. (Cl. 24—19.)



A hose clamp comprising arcuate members formed from resilient wire and having crimped side portions said members being pivotally connected together, a longitudinally curved locking plate provided at its side edges and at a point between its ends which are disposed within the concaved side of the plate, one of the arcuate members having the ends of its side portions pivotally engaged in the gears, the plate being provided at one end with a concaved lip adapted to engage in the end of the other arcuate member, the parts being so arranged that when the device is applied to a hose section and the locking member is closed, the said part will lie in close proximity to the exterior surface of the hose.

1,483,051. ADJUSTABLE SUPPORT. JOHN L. SAUNDERS, Washington, D. C. Filed July 31, 1920. Serial No. 400,411. 1 Claim. (Cl. 45—111.)



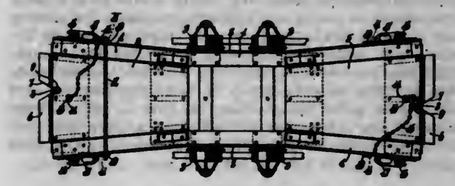
An adjustable support having a base with an upwardly extending standard having internal screw threads, a platform, and a screw threaded rod extending within said standard and cooperating with the screw threads thereof, said rod being secured at its upper end to the platform, in combination with a hollow sheath secured to said platform surrounding the screw threaded rod and of sufficient diameter to encircle and engage frictionally the exterior surface of the standard throughout the range of the adjustment of the screw threaded rod, whereby the sheath acts to prevent premature turning of the screw threaded rod and the inadvertent lowering of the platform.

1,483,052. PROCESS OF MAKING A NONMETALLIC LACE TIP. CARL A. MATSON, Lynnfield, Mass., assignor to Matson Lace Tipping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1923. Serial No. 630,134. 1 Claim. (Cl. 24—143.)



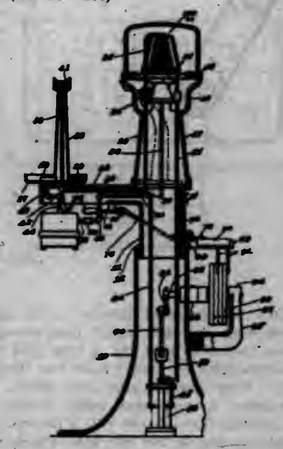
The process of making a non-metallic tipped lacing, having a corrugated contour, which consists in applying to a predetermined portion of the lacing, moldable material in plastic form, and thereafter molding said treated portion into corrugated form.

1,483,053. MINING-MACHINE TRUCK. ROY NORMAN, St. Louis, Mo., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 19, 1922, Serial No. 562,231. Renewed June 18, 1923. 24 Claims. (Cl. 105—161.)



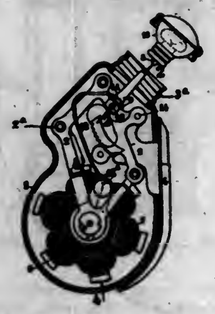
1. A mining machine truck comprising a body having provision for receiving a mining machine at either end thereof.

1,483,054. INSIDE LIP-TURNING MACHINE. SIDNEY C. WILSON, Rochester, N. Y., assignor to Wilson Process, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1922. Serial No. 583,993. 3 Claims. (Cl. 12—29.)



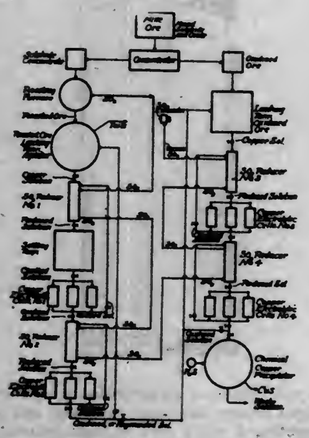
2. In a machine of the class described, the combination of a hollow base, a platform secured to the top thereof, a hollow standard mounted on the top of the platform, a fluid heating element located in the top of said hollow column, a horn mounted on the platform, a wetting element located in the top open end of the horn, a conduit extending from the heating element to the steaming element, controlling means located in said conduit for regulating the supply of steam to the steaming element, moisture collecting means mounted on the platform at the base of the wetting horn, a sediment pot provided with a plurality of chambers located beneath the platform, a conduit connecting the moisture collecting means with the lower chamber of the sediment pot, a conduit connecting the upper chamber of said sediment pot with the pump in the base, and means for controlling the operations of the pump at will.

1,483,055. ELECTROMECHANICAL LAMP. PAUL BLOT, Paris, France, assignor to Societe Blot-Garnier & Chevalier, Paris, France. Filed Mar. 14, 1922. Serial No. 543,759. 5 Claims. (Cl. 240—8.5.)



1. An electro-mechanical pocket lamp comprising a casing,—a cage secured in the said casing,—an electric generator of the magneto type and its driving members carried by the said cage,—a metal socket on an inclined face of the casing,—an electric bulb secured on the said socket,—a resilient metal strip secured on the cage and in contact with the metal cap of the electric bulb,—an insulated contact-piece on the said strip and in contact with the insulated contact-piece of the said bulb,—means for conveying the current from the electric generator to the insulated contact piece of the resilient metal strip,—means for ensuring the actuation of the rotary magnet.

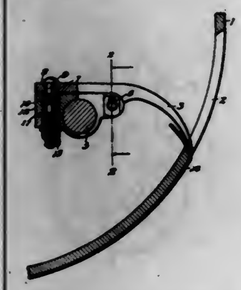
1,483,056. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Dec. 6, 1921. Serial No. 520,241. 32 Claims. (Cl. 204—15.)



1. A process of treating sulphide and oxide ores of copper comprising, treating the sulphide ore to get a sulphide concentrate, roasting the concentrate, leaching the

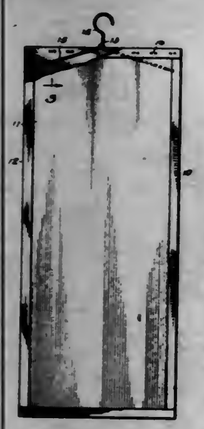
roasted concentrate with a dilute acid solution, treating the resulting copper solution with sulphur dioxide obtained from roasting the sulphide concentrate, electrolyzing the solution to deposit the copper and regenerate acid, returning a portion of the regenerated solution to the roasted concentrate to extract the remaining copper, applying the excess regenerated acid solution to the unroasted oxidized ore to extract the copper therefrom, precipitating the copper from the resulting solution obtained from leaching the unroasted oxidized ore, and then wasting the solution.

1,483,057. GRIPPER FOR PRINTING PRESSES. AUGUST W. WARSEN, Brooklyn, N. Y. Filed Mar. 11, 1922. Serial No. 542,837. 3 Claims. (Cl. 101—412.)



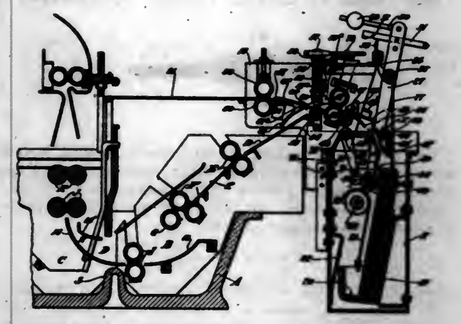
1. In a gripper mechanism for printing presses, a gripper finger, a rockable block pivotally mounting said gripper finger and formed with a threaded opening, a tubular member threaded in said opening, and a bolt passing through the bore of said tubular member and through an opening in said finger for limiting the pivotal movement of said finger.

1,483,058. DRESS SEPARATOR. PAUL M. FRANK, New York, N. Y. Filed Jan. 30, 1923. Serial No. 615,974. 4 Claims. (Cl. 45—37.)



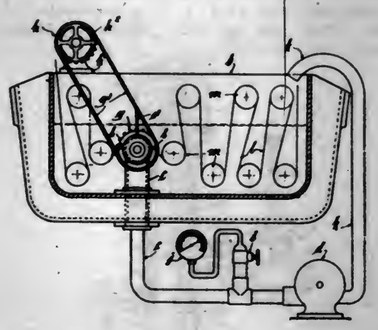
2. As a new article of manufacture, a separator board for suspended dresses and other garments, said separator board presenting a broad area of stiff material adapted to be disposed between adjacent suspending garments to completely separate the same, and hanger means on said separator at the top.

1,483,059. DEFLECTOR FOR PLATE-FEEDING MECHANISMS. ELMER C. POOL, New Castle, Pa. Filed Dec. 15, 1922. Serial No. 607,122. 3 Claims. (Cl. 271—56.)



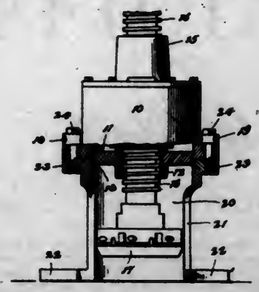
1. In an automatic plate feeding mechanism, a pair of calipering members, means for feeding plates from a pack, guide means on one of said calipering members for guiding said plates downwardly when only single plates pass between said calipering members, a second plate guide adapted to receive the plates from said first named guide when said first named guide is in its normal position, said first named guide being raised to form a gap between said first and second named guides when more than one plate passes between said calipering members, so that said plurality of plates will be fed over said second guide.

1,483,060. APPARATUS FOR IMPREGNATING FABRICS WITH A MERCERIZING OR OTHER LIQUID. ERNEST FARRELL, Salford, Manchester, England. Filed Mar. 13, 1923. Serial No. 624,837. 4 Claims. (Cl. 8—20.)



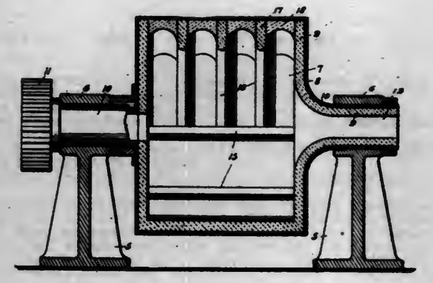
1. Apparatus for enabling fabrics to be impregnated with a mercerizing or other liquor comprising a vat, a series of guide rollers in said vat, a long pipe in said vat extending horizontally to points near two opposite sides and having a long narrow slot, the fabric to be impregnated passing around said guide rollers and over said slot in passing through the vat, a branch outlet pipe and an outlet opening in the vat with which the branch pipe communicates, guides in the long pipe, guide plates carried by said guides and extending upwards through the slot and well above the pipe, a spindle with right and left hand screw threads for adjusting the guides and guide plates, relatively to each other, and a pump for continuously extracting liquor from the long pipe through the branch pipe, and returning it to the vat, substantially as herein set forth.

1,483,061. CYLINDER-REBORING MACHNIE. FREDERICK T. FLINCHBAUGH, York, Pa. Filed Dec. 14, 1920. Serial No. 430,640. 1 Claim. (Cl. 77—2.)



In a cylinder reboring machine, the combination with a gear case carrying a boring head and having an annular shoulder concentric with said head; of a base having a bore coincident with said annular shoulder and adapted to be attached to an engine cylinder, ears on said gear case and bolts engaging with said ears and threaded in said base for securing the gear case and base together; and a second base having a bore of larger diameter than said first base, an adapter intended to be inserted between said second base and said gear case and having a bore of the same diameter as said first base and a seat of the same diameter as the second base adapted to fit the bore thereof; means for rigidly securing said adapter to said second base, and tapped apertures provided in said adapter for said bolts, whereby the gear case may be shifted from said first base to said second base and attached to said adapter.

1,483,062. METAL-WORKING FURNACE. OSWALD S. PULLIAM, New York, N. Y., assignor to Hibbard Process Corporation, New York, N. Y., a Corporation of New Jersey. Filed Feb. 3, 1922. Serial No. 533,893. 6 Claims. (Cl. 263—33.)



1. In a metal balling furnace, means for forming a plurality of individual balls, and means for selectively discharging said balls from the furnace.

Patents Nos. 1,483,063 to 1,483,861.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office.

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Issue of February 12, 1924.

Trade-Marks	209—No.	179,425 to No.	179,793, inclusive.
Labels	61—No.	26,881 to No.	26,941, inclusive.
Prints	10—No.	7,173 to No.	7,182, inclusive.
Reissues	10—No.	15,757 to No.	15,766, inclusive.
Designs	66—No.	63,925 to No.	63,990, inclusive.
Patents	799—No.	1,483,063 to No.	1,483,861, inclusive.
Total	1305		

Amendment to Rules of the Court of Appeals of the District of Columbia.

The following communication received from the clerk of the Court of Appeals of the District of Columbia relative to an amendment to the rules of the court as revised December 4, 1920, is published for the information of those concerned:

Amend Rule VIII as follows:

Paragraph 3: Strike out "September 10" and insert in lieu thereof "September 1." Strike out "October 10" and insert in lieu thereof "October 1."

Paragraph 4: Strike out the words "until the first day of the October Term," and insert in lieu thereof the words "20 days after the first of September." Strike out the words "until the first Monday in November," and insert in lieu thereof the words "20 days after the first of October."

PER CURIAM.

Test:

HENRY W. HODGES,
Clerk.

Promulgated January 26, 1924.

Interference Notice.

U. S. PATENT OFFICE, *Washington, Jan. 19, 1924.*

Philip A. Luckett, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Friedman & Friedman, 1368 De Kalb Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered January 9, 1917, No. 114,897, to Philip A. Luckett, Salisbury, Md., and a notice of such declaration sent by registered mail to said Philip A. Luckett at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless said Philip A. Luckett, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Jan. 22, 1924.*

Lady Jane Hat Shops, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of The Samuel Stores, Inc., 456 Fourth Avenue, New York, N. Y., to effect the cancellation of the trade-mark registration of Lady Jane Hat Shops, Inc., of 2826 Broadway, New York, N. Y. No. 136,063, dated October 26, 1920, and the notice of such proceeding sent by registered mail to said Lady Jane Hat Shops, Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Lady Jane Hat Shops, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Jan. 14, 1924.*

John R. Edmiston, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of James Brothers, of 1519 Boardwalk, Atlantic City, N. J., to effect the cancellation of the trade-mark registration of John R. Edmiston, of 1231 Pennsylvania Avenue, Washington, D. C., No. 172,016, dated August 21, 1923, and the notice of such proceeding sent by registered mail to the said John R. Edmiston at the said address and also to No. 7 North Howard Street, Baltimore, Md., having been returned by the post office authorities as undeliverable, notice is hereby given that unless said John R. Edmiston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice Regarding Payment of Fees.

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business February 1, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 64,223; Trade-Mark Division, 1,744. Oldest new case, May 2, 1923; oldest amended, May 5, 1923. The dates given are 1923 except where * indicates 1924.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 11	June 5	1,136
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 21	May 26	1,193
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 14	Sept. 27	938
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	June 7	June 21	1,261
167	5. MACRAE, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	May 26	May 26	1,421
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	May 7	June 25	1,808
312	7. JARDOE, C. G., Games and Toys; Optics; Photography	July 3	July 2	2,501
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Aug. 14	Sept. 4	1,590
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 15	*Jan. 2	736
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	June 18	June 18	1,457
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Sept. 6	Aug. 25	762
322	12. PIERCE, P. F., Machine Elements	July 5	July 11	1,080
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	May 25	Aug. 24	1,138
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 14	Dec. 19	1,037
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	May 7	May 25	1,972
112	16. BACHUS, C. D., Radiant Energy; Telegraphy; Telephony	May 21	May 18	2,602
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 4	Sept. 22	1,353
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	May 11	May 12	1,990
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Sept. 6	Nov. 3	1,074
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 18	July 2	1,294
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	May 16	Nov. 7	910
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 10	Aug. 16	419
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	May 7	May 5	614
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 2	July 11	1,022
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Oct. 4	Oct. 24	809
105	26. HODGES, J. S., Electricity, Generation: Motive Power; Prime-Mover Dynamo Plants	May 19	May 25	951
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	June 11	June 30	1,262
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 18	1,294
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 11	June 9	1,210
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 12	Nov. 8	1,092
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	June 28	July 5	1,355
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	May 14	May 26	1,267
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	July 2	June 11	1,365
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	July 27	July 21	854
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 26	Oct. 1	900
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug. 1	July 26	1,781
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	June 2	May 26	1,752
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	May 14	May 9	1,577
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 2	May 8	1,065
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 16	Oct. 30	1,905
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles: Resilient Tires and Wheels	May 16	July 12	966
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 4	June 1	1,794
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	June 11	June 4	1,692
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	May 14	Sept. 19	1,037
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Aug. 7	July 14	1,458
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Aug. 13	Aug. 29	1,123
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	June 18	Sept. 10	994
116	48. ROEHKE, O. B., Electricity Conductors; Electricity, General Applications	May 7	May 14	2,361
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	July 7	July 26	502
102	DESIGNS: C. O. MARKHAM (Acting)	Dec. 28	Dec. 18	430
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	Dec. 26	*Jan. 5	1,642
	(Labels and Prints	*Jan. 17	*Jan. 24	201

REPORT OF THE COMMISSIONER OF PATENTS TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1923.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 22, 1924.

To the Senate and House of Representatives:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1923:

In the years 1921 and 1922 this office received over 9,000 applications each month. With a capacity to act upon only 7,500 cases per month it followed that the office went behind about 30,000 cases in the two years. These arrears, added to the 42,000 cases already awaiting attention at the beginning of the Harding administration made an accumulation of cases equaling in volume the entire amount of work received by the office in any one year before this country entered the Great War. To reduce the accumulations of years, this office was provided, on July 1 last, with 45 additional examiners and 40 additional clerks. Although it took over 4 months to enroll this force, and it is still untrained, rapid progress is being made as evidenced by the reduction, since the increase in force, of 6,567 patent cases, 1,697 design cases, and 1,542 trade-mark cases, a total reduction of 9,806 cases.

Progress is further shown by the fact that one year ago an applicant in some branches of the work had to wait 15 months before his patent case could be taken up for the first reading (7 months in design cases, and 5½ months in trade-mark cases), while to-day no applicant has to wait more than 9 months in patent cases, or 7 weeks in either design or trade-mark cases.

The office is now gaining at the rate of more than 1,000 cases per month and, in the absence of unexpected circumstances, it is confidently believed that this gain will increase rather than decrease as the force becomes better trained. Nevertheless, there are now on hand 67,000 patent cases, 900 design cases, and 2,100 trade-mark cases awaiting action. Even with a gain of 1,000 cases per month, it will be 5 years before the technical work can be current. To accomplish this within a reasonable time the force would have to be augmented by at least 100 more examiners.

In view of the fact that during the first two years of this administration the office received over 9,000 applications a month (216,170 cases in two years or a gain of 50 per cent in patent work and 100 per cent in trade-mark work, during which period there was an increase of only 7 per cent in personnel); radical changes were introduced in a determined effort to prevent the office from being completely submerged with new work. It therefore seems appropriate at this time to report to the Congress some of the improvements in methods which have been made during the past 3 years.

CLERICAL DIVISIONS.

The methods of the 10 clerical divisions were so revised that they are practically up to date. For the first time in years, particularly in the summer months, the manuscript division has been able to furnish almost immediately copies of records demanded by the public and the courts.

APPLICATION ROOM.

In the application room an entirely new system of keeping the records resulted in permitting the handling of the clerical work of 108,000 incoming applications per year with 17 clerks, whereas in 1920, 20 clerks were required to handle 104,000 cases.

A new form of file wrapper has just been adopted which will make a further saving by eliminating the recording of upwards of 400,000 dates every year.

ISSUE DIVISION.

This division is responsible for the publication, weekly, of the OFFICIAL GAZETTE, containing 250 pages and 1,100 cuts, and also for printing the *weekly* issue of about 1,000 *original* patents and trade-marks. It is a stupendous job, the printing alone costing over $750,000 annually. Radical changes have made it possible to issue these patents and trade-marks and the OFFICIAL GAZETTE on time each week rather than to publish the GAZETTE many days late, as sometimes previously occurred.

Heretofore the proof reading of patents, trade-marks, and the OFFICIAL GAZETTE has been done at the Government Printing Office and then has been done a second time in the Patent Office. A year ago I notified the Public Printer that we would rely upon his office to make its proof reading accurate. Thus the services of those who read proof in the Patent Office was saved, although some supervision will always be necessary in questionable cases.

The forms of grants of patents and certificates of registration of trade-marks have been simplified, so as to eliminate approximately one-half the typewriting necessary on the 50,000 individual grants per year.

A new procedure reduces by two weeks the time necessary to issue a certificate of correction and eliminates entirely the services of the engrosser.

SAVING IN PRINTING.

One index of the OFFICIAL GAZETTE has been omitted saving $10,000 annually; printing the trade-

marks has been simplified, the Public Printer estimating a saving of $5,400 annually; the headings of the drawings are multigraphed instead of printed, saving clerical time and about $2,000 cash annually; and the matter common to the weekly issue of 1,000 patents and trade-marks is printed, instead of typewritten, saving $1,000 annually, besides making for accuracy.

As the result of careful investigation and considerable labor, the free mailing list of the OFFICIAL GAZETTE has been reduced by 300 copies, saving $2,500 per year.

A new manual of classification in loose-leaf form has been published and at an expense of $2,000 less than the manual published in 1920. Heretofore this has been printed in book form in a very expensive manner every three or four years, and these manuals have become out of date before they were one year old. The loose-leaf form will avoid the necessity for reprinting the entire book every few years and make it possible to keep the manuals up to date by merely reprinting pages to be substituted for the old sheets, arrangements having been made with the Public Printer to hold the type set up for this purpose. Not only is the first cost greatly reduced but classification manuals for the 500 technical examiners will always be up to date, thus increasing their usefulness and adding to the efficiency of the examiners. Moreover, this new form will benefit hundreds of inventors and attorneys in all parts of the country who purchase these manuals and constantly use them.

DRAFTING DIVISION.

Simplified methods have enabled this division to dispense with one employee and still handle a large increase in work.

FINANCIAL DIVISION.

The financial clerk, who handles $3,000,000 in Government fees each year, has been enabled, through the introduction of a bookkeeping machine, to dispense with two employees.

The method of handling and acknowledging 40,000 final fees per year has been changed so as to simplify and expedite the application of the fees to the various cases and the preparation of the patents for publication.

CIRCULARS OF INFORMATION.

Instead of mailing expensive complete Rules of Practice, condensed circulars giving all needed information in the language of the layman have been prepared, saving at least $500 per annum in printing as well as saving clerks, who formerly wrote about 20,000 information letters annually.

10-CENT STACKS.

Printed copies of patents cost about 6 or 7 cents and sell for 10 cents. There are about 50,000,000 copies in stock; 200,000 are sold monthly, bringing in $20,000 *each month*. As patents are usually ordered singly, storing, selecting, and delivering is a serious problem. New methods of handling have given greater efficiency. Recent issues have been placed upon newly designed stacks, enabling copies to be selected and delivered in about one-half the former time and very materially lessening the wastage of copies.

REPRODUCTION OF COPIES.

When copies are out of print, they are reproduced by photolithography at less than 60 cents per page for 50 copies, where the original cost is over $4 per page for 100 copies. In 1921 this work was 160 days in arrears; now it is under 30 days. Since the office delivers almost 5,000,000 copies annually, prompt delivery to the various industries of the country is of national importance.

Trade-marks and designs were printed on two sheets, the text being printed at the Government Printing Office and the drawings reproduced by private photolithographers. In reproducing these papers the text and drawings are now put on opposite sides of a single sheet, thereby saving one-half of the storage space, facilitating the pulling of complete copies from the storage bulk, and preventing wastage.

REPRODUCING FOREIGN PATENTS.

A change in the method of reproducing foreign patent drawings for the use of about 500 technical examiners, has resulted in a saving of $15,641.25, and permitting work to be completed in 6 months instead of 3 years.

ASSIGNMENT DIVISION.

Changed methods of recording and indexing 40,000 assignments annually has saved two clerks, and will save more in the future.

A card index is gradually being prepared in spare time which it is hoped will be completed and ready for use by July, 1925, at which time the office will begin to receive from 3,000 to 6,000 trade-mark renewals per year, each of which will entail a title search covering 20 years. These title searches would swamp the office without this index. The index will not only be a great convenience to the attorneys and the public, but will effect a marked economy in making thousands of official searches. Incidentally these renewals will add revenue of from $30,000 to $60,000 per year.

TRADE-MARKS DIVISION.

Three years ago the office received 8,000 trade-mark applications annually; the last two years 17,000 per year. The trade-mark search room has been reorganized, most of the force voluntarily working nights for 4 weeks to attain this end. The reorganization has effected an enormous saving in time in the making of 400 official searches each week, whereby the trade-mark division was brought 4 months nearer to date than before reorganization. The increased force provided on July 1st has permitted the work to be brought within 7 weeks instead of 8 months, and in a few weeks the work will be within 30 days. This reorganization has been of such benefit to the attorneys and the public in making their private searches that the American Patent Law Association passed special resolutions commending the work.

There has been installed in the trade-mark search room a classified file of trade-marks published, but not yet registered. This was done at small expense, in spare time, answering a long felt want of the public and expediting the work of the official examiners.

LIBRARY.

The increased salary provided by Congress made it possible to obtain a trained librarian, who has been placed in charge of the Scientific Library, with the result that it is being reorganized with conspicuously beneficial results, including increased aid to both the public and the officials. Much more improvement could be made if sufficient funds were available. Better library facilities should be provided, particularly since there is no counterpart of this library in the country, if in the world. It is frequented by searchers from all parts of the country, and it is doubtful if there is a single industry in the country that does not make use of it.

OTHER CHANGES.

The changed method of handling 2,400 petitions annually saves one clerk.

Returning about 45,000 letters of inquiry and requests per year with replies thereto instead of filing and indexing them has amounted to a considerable saving of clerical time and storage space.

The decisions of the Commissioner and the Assistant Commissioners are recorded in volumes. A card index of these decisions is now being made, so that any particular case may be found without going through the indexes heretofore kept in each separate book.

The spare time of some of the employees is being used now to make a card index of the 1,600,000 patents issued, indicating the class and subclass to which each patent has been assigned. This will be placed in the search room and open to the public, thereby not only adding greatly to the public convenience, but saving much time of the employees of the office, who must now furnish this information.

MORE SPACE.

The addition of 85 employees in July, 1923, greatly aggravated an already deplorable condition. The 1,146 employees now in this office, including 520 technical examiners, can not perform their work efficiently when crowded as they are, many of them working in halls and with artificial light. A single necessary conference with an inventor or his attorney may disturb a half dozen examiners in the present crowded quarters. I feel compelled to quote from my last annual report:

> More room is an absolute necessity to permit the office to perform the duties imposed by statute. Every nook and corner of the building is used, including the ends of all the halls not used as exits, and also including the main entrance on Ninth Street. The technical work of the examiners can not be efficiently done in such makeshift quarters, and it is a tremendous waste to pay $2,085,000 annually in salaries and fail to provide room where such technical work can be properly performed. At least 50 more rooms are of vital necessity and would be a real economy.

In order to perform its work economically and expeditiously the Patent Office must be provided with more room either by giving it ample room in the old Land Office Building across the street from the Patent Office, already connected to it by a tunnel, or by reconstructing the present building. The Patent Office could be remodeled with good results. The upper floor was never adapted for office purposes. The basement floor on the Ninth Street side should be remodeled, so that the public-service features of the office could be located on the ground floor. Thus the public search room could be moved from the top floor to the basement floor, and the financial clerk's room, which receives over $3,000,000 in fees, ranging from 10 cents to $20, could also be located on the ground floor at the entrance to the building, so that attorneys and the public generally who pay their fees can pay them at the entrance rather than be compelled to take the elevator to one of the upper floors. If these and other public-service features were removed from the upper floor to the basement, the upper floor could be remodeled to provide well-lighted rooms for the technical examining force. Further quarters could be provided by building a fourth story on the court side of the building, as was done in the Treasury Building and the House Office Building. The courtyard could also be excavated to provide a storage space for the millions of copies of patents which now bring in a revenue of $20,000 monthly. These changes would enable the present building to be more efficiently used and would be a great aid in bringing the work to date. To show its practicability, the Secretary of the Interior has had preliminary plans prepared providing for such changes. These plans prove the feasibility of remodeling the building, and I can not urge too strongly that an appropriation for such changes be provided at the earliest possible moment and that in the meantime adequate space in the Land Office Building be placed at the disposal of this Bureau in order that its work may be so efficiently performed that the Patent Office will stimulate rather than be a drag upon the industries of the country. In this connection attention is called to an editorial in "Chemical and Metallurgical Engineering" of December 17, 1923, as follows:

> The relation of the Patent Office to industrial prosperity in the United States is so intimate that progress may almost be measured by the speed with which applications for patents are disposed of. New construction, employment, and production frequently depend on the patentability of a process or product. Business and industry stand ready to risk investment if patents are granted, but are likely to become weary of waiting a year or 16 months for an undermanned Government institution to function.

In order to take care of the burden of work on this office we have adopted every method of economy and efficiency possible within the means at our disposal but even these and further improvements and economies can not carry the burden satisfactorily. While it is evident that much has been done, if the office is to continue the progress which has been made, relief in the nature of additional space and other employees must be provided.

Respectfully submitted.

THOMAS E. ROBERTSON,
Commissioner of Patents.

STATISTICS OF THE BUSINESS OF THE PATENT OFFICE.

NET RECEIPTS.

Detailed statement of receipts from all sources for the calendar year ended December 31, 1923.

	Cash receipts.	Charges against account.	Furnished on coupons.	Totals.	Totals.
Applications:					
Inventions				$1,496,756.81	
Reissues				9,840.00	
Final fees				770,042.60	
Designs				41,380.00	
Design extensions				11,035.00	
Trade-marks				166,183.50	
Labels and prints				13,503.00	
Total					$2,508,540.91
Appeals, etc.:					
Appeals				18,820.00	
Disclaimers				200.00	
Oppositions				7,440.00	
Total					26,460.00
Copies and services:					
Copies of patents	$44,858.95	$43,990.20	$156,991.80	245,840.95	
Photoprints	2,772.45	7,275.70	793.80	10,841.95	
Photostats	1,068.35	18,648.20	10,506.15	30,222.70	
Manuscript	11,659.90	32,346.05	38.20	44,044.15	
Miscellaneous	2,123.85	5,122.10	102.95	7,348.90	
Recording articles of incorporation	435.00	589.00		1,024.00	
Drawings	6,060.02	5,924.00	26.55	12,010.57	
Miscellaneous services	1,188.01	58.00		1,246.01	
Assignments	37,517.46	32,039.20		69,556.66	
Total	107,683.99	145,992.45	168,459.45	422,135.80	422,135.80
Accounts—deposits	188,025.89	−187,530.45		495.44	
Coupons	116,676.61	41,538.00	−168,459.45	−10,244.84	
Total	304,702.50	−145,992.45	−168,459.45	−9,749.40	−9,749.40
Grand total					2,947,387.40
Receipts from sale of Official Gazette and other publications through Government Printing Office, estimated					22,520.00
Total receipts from all sources					2,969,907.40

EXPENDITURES.

Amount expended under the several appropriations from January 1 to December 31, 1923.

Salaries		$1,983,020.07
Scientific library		3,806.44
International Union for Protection of Industrial Property		1,700.00
Stationery		18,434.83
Postage on foreign matter		1,100.00
Furniture, filing cases, contingent expenses, and fixed charges for the upkeep and maintenance of the building		49,264.55
Photolithographing:		
Current issue	$53,000.13	
Reproductions	191,916.03	
Photographic copies	5,907.76	
Photostat supplies	18,102.83	
Dry mounting tissue	2,607.80	
Transportation of foreign exchange	2,195.60	
Total		273,730.15
Printing and binding:		
Official Gazette with indexes	178,169.36	
Specifications	472,593.88	
Total for Gazette and specifications		650,763.24
Miscellaneous		24,154.44
Defending suits		586.23
Rent and storage of Patent Office models		1,800.00
Total under above heading		3,008,359.95
Increase in compensation		207,983.31
Grand total		3,216,343.26

RECEIPTS AND EXPENDITURES.

Receipts from all sources	$2,969,907.40
Expenditures, including increase in compensation	3,216,343.26
Net deficit	246,435.86
Amount of total net surplus in Treasury January 1, 1923	8,587,776.81
Deficit for the year 1923	246,435.86
Total net surplus December 31, 1923	8,341,340.95

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions	76,652
Applications for patents for designs	3,550
Applications for reissues of patents	320
Total	80,522
Applications without fees:	
For inventions (act of March 3, 1883)	130
For inventions (rule 170)	1
Total	131
Applications for registration of trade-marks	16,817
Applications for registration of labels	1,605
Applications for registration of prints	785
Total	19,207
Grand total	99,860
Disclaimers	20
Appeals on the merits	1,610
Notices of opposition	781
Total	2,411
Applications filed:	
For patents, with fees	80,522
For registrations, with fees	19,207
For patents, without fees	131
Grand total	99,860

ISSUES.

Patents issued, excluding designs	38,634
Design patents issued	1,927
Patents reissued	226
Total	40,787
Trade-marks registered	14,845
Labels registered	1,261
Prints registered	619
Total	16,725
Total of issues	57,512
Patents expired during the year	31,181
Applications forfeited for nonpayment of final fees	6,122
Applications allowed awaiting payment of final fees	15,537
Trade-mark applications passed for publication	13,639
Applications allowed:	
Patents	45,546
Designs	2,001
Reissues	218

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama	106	14,146	North Carolina	164	15,604
Arizona	64	5,217	North Dakota	114	5,664
Arkansas	94	18,641	Ohio	3,007	1,915
California	2,340	1,465	Oklahoma	289	41,621
Colorado	438	2,145	Oregon	266	2,945
Connecticut	1,010	1,367	Pennsylvania	3,105	2,809
Delaware	81	2,753	Rhode Island	322	1,877
Florida	177	5,472	South Carolina	77	21,867
Georgia	192	15,062	South Dakota	114	5,584
Idaho	92	477	Tennessee	244	9,581
Illinois	3,925	1,652	Texas	617	7,558
Indiana	826	3,548	Utah	136	3,304
Iowa	611	3,935	Vermont	64	5,507
Kansas	313	5,653	Virginia	267	8,649
Kentucky	245	9,864	Washington	566	2,397
Louisiana	186	9,669	West Virginia	294	4,979
Maine	118	6,509	Wisconsin	989	2,662
Maryland	351	4,130	Wyoming	64	3,038
Massachusetts	2,065	1,866			
Michigan	1,491	2,460	Alaska	12	4,575
Minnesota	803	2,973	Canal Zone	4	5,714
Mississippi	88	20,348	District of Columbia	332	1,318
Missouri	945	3,708	Hawaii	35	7,312
Montana	145	3,786	Philippine Islands	12	862,553
Nebraska	275	4,715	Porto Rico	4	324,952
Nevada	25	3,097	United States Army	13	
New Hampshire	141	3,143	United States Navy	6	
New Jersey	1,998	1,580			
New Mexico	34	10,595	Total	[1] 36,408	
New York	6,052	1,716			

[1] Not including 226 reissues and 20 patents withdrawn.

Patents granted to residents of foreign countries.

Argentina	21	Dutch East Indies	2	Luxemburg	1	South Australia	10
Australia	6	Egypt	1	Mexico	19	Spain	20
Austria	59	England	1,122	Netherlands	40	Sumatra	1
Bahama Islands	1	Finland	3	Newfoundland	1	Sweden	116
Belgium	73	France	424	New South Wales	53	Switzerland	161
Bohemia	4	Germany	782	New Zealand	52	Tasmania	2
Brazil	8	Guatemala	2	North Queensland	1	Transvaal	12
British India	3	Hungary	12	Norway	51	Turkey	1
Canada	660	India	4	Peru	3	Venezuela	1
Chile	6	Ireland	20	Poland	3	Victoria	44
China	4	Isle of Man	1	Queensland	4	Virgin Islands	1
Cooks Island	1	Isle of Wight	1	Rumania	1	Wales	14
Cuba	23	Italy	80	Salvador	1	West Australia	6
Czechoslovakia	23	Japan	52	Santo Domingo Republic	1		
Danzig, Free City of	3	Java	1	Scotland	62	Total	4,133
Denmark	39	Jugoslavia	2	South Africa	8		

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1923, inclusive.

Year.	Applications.[1]	Caveats filed.[2]	Patents and reissues.	Cash received.	Cash expended.	Surplus.
1837			435	$29,289.08	$33,506.98	
1838			520	42,123.54	37,338.92	$4,784.62
1839			425	38,019.97	34,543.51	3,476.46
1840	765	228	473	38,056.51	39,020.67	
1841	847	212	495	40,413.01	52,666.87	
1842	761	291	517	36,505.63	31,241.43	5,264.20
1843	819	315	519	35,315.81	30,776.96	4,538.85
1844	1,045	380	497	42,509.26	36,344.53	6,164.73
1845	1,246	452	503	51,076.14	39,395.65	11,680.49
1846	1,272	448	638	50,264.16	46,158.71	4,105.45
1847	1,531	533	569	63,111.19	41,878.35	21,232.84
1848	1,628	607	653	67,576.60	58,905.84	8,760.85
1849	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850	2,193	602	903	86,827.05	80,100.95	6,826.10
1851	2,258	760	872	95,738.61	86,916.93	8,821.68
1852	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853	2,673	901	961	121,527.45	132,869.53	
1854	3,324	868	1,844	163,789.84	167,146.32	
1855	4,435	906	2,013	216,459.35	179,540.33	36,919.02
1856	4,960	1,024	2,505	192,588.02	199,931.02	
1857	4,771	1,010	2,886	196,132.01	211,582.09	
1858	5,364	943	3,710	203,716.16	193,193.74	10,522.42
1859	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860	7,653	1,084	4,819	256,252.59	262,820.80	4,531.79
1861	4,643	700	3,340	137,354.44	221,491.91	
1862	5,038	824	3,521	215,754.99	182,810.39	32,944.06
1863	6,014	787	4,170	195,593.29	189,414.14	6,179.15
1864	6,972	1,063	5,020	240,919.98	229,868.00	11,051.98
1865	10,664	1,932	6,616	348,791.84	274,199.34	74,592.50
1866	15,269	2,723	9,450	495,665.38	361,724.28	133,941.10
1867	21,276	[3]3,597	13,015	646,581.92	639,263.32	7,318.60
1868	20,445	3,705	13,378	681,565.86	628,679.77	52,886.09
1869	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870	19,171	3,278	13,321	669,456.76	557,147.19	112,309.57
1871	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872	18,246	3,090	12,590	699,726.39	665,595.00	34,131.39
1873	20,414	3,248	12,864	703,191.77	691,178.98	12,012.79
1874	21,602	3,181	13,591	728,278.17	679,288.41	58,959.76
1875	21,638	3,094	14,837	743,458.36	721,657.71	21,795.65
1876	21,425	2,697	15,595	757,967.65	652,542.60	105,445.05
1877	20,308	2,809	14,187	732,342.85	613,152.62	119,190.23
1878	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881	26,059	2,406	16,584	853,665.89	604,173.28	248,492.61
1882	31,522	2,553	19,267	1,009,219.45	683,967.67	325,351.78
1883	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886	35,968	2,513	22,508	1,154,561.40	992,503.45	162,047.95
1887	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891	40,552	2,406	23,244	1,271,285.78	1,139,713.35	131,572.43
1892	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900	41,980	1,731	26,499	1,350,828.53	1,260,010.62	90,908.91
1901	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910	64,629	970	35,930	2,025,536.69	2,005,711.94	9,824.75
1911	69,121		34,084	2,019,388.03	1,953,689.91	65,698.12
1912	70,976		37,731	2,118,158.30	2,022,066.11	96,092.19
1913	70,367		35,788	2,084,417.79	1,947,383.28	137,034.51
1914	70,404		41,850	2,251,892.82	2,000,770.12	251,122.70
1915	70,069		44,934	2,290,773.47	2,053,442.15	236,331.32
1916	71,033		45,927	2,345,540.94	2,115,367.91	228,173.03
1917	70,373		42,760	2,258,377.10	2,048,173.16	210,203.94
1918	59,615		39,941	1,977,518.82	2,050,938.17	−73,419.35
1919	80,400		38,598	2,417,071.77	2,310,420.02	106,651.75
1920	86,815		39,882	2,679,948.31	2,572,097.56	107,850.75
1921	93,328		41,401	2,775,982.33	2,612,429.48	163,552.85
1922	88,930		40,297	3,013,954.43	2,954,697.07	59,257.36
1923	80,522		40,787	2,969,907.40	3,216,343.26	−246,435.86

[1] Including patents, designs, and reissues.

[2] Caveat law repealed June 25, 1910.

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of Letters Patent commenced.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836), was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.					
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.
1836 (July 28)	1					
1837	110					
1838	546		1			
1839	1,061		7			
1840	1,465		20			
1841	1,923		30			
1842	2,413		36			
1843	2,901	1	49			
1844	3,395	15	60			
1845	3,873	27	67			
1846	4,348	44	78			
1847	4,914	103	91			
1848	5,409	163	105			
1849	5,993	209	128			
1850	6,981	258	158			
1851	7,865	341	184			
1852	8,622	431	209			
1853	9,512	540	229			
1854	10,358	626	258			
1855	12,117	683	286			
1856	14,009	753	337			
1857	16,324	860	420			
1858	19,010	973	517			
1859	22,477	1,075	643			
1860	26,642	1,183	674			
1861	31,005	1,366	1,106			
1862	34,045	1,508	1,253			
1863	37,266	1,703	1,369			
1864	41,047	1,879	1,596			
1865	45,685	2,018	1,844			
1866	51,784	2,239	2,140			
1867	60,658	2,533	2,430			
1868	72,959	2,858	2,830			
1869	85,503	3,304	3,250			
1870	98,460	3,810	3,784	1		
1871	110,617	4,547	4,223	122		
1872	122,304	5,452	4,687	608		
1873	134,504	6,336	5,216	1,099		
1874	146,120	7,063	5,717	1,591	1	
1875	158,350	7,999	6,200	2,150	233	
1876	171,641	8,884	6,831	3,283	465	
1877	185,813	9,698	7,432	4,427	937	
1878	198,733	10,385	8,020	5,463	1,329	
1879	211,078	10,975	8,539	6,918	1,821	
1880	223,211	11,567	9,017	7,790	2,176	
1881	236,137	12,052	9,533	8,139	2,379	
1882	251,685	12,647	9,994	5,973	2,581	
1883	269,820	13,508	10,265	9,920	2,885	
1884	291,016	14,528	10,432	10,822	3,791	
1885	310,163	15,678	10,548	11,843	4,304	
1886	333,494	16,451	10,677	12,910	4,695	
1887	355,291	17,048	10,793	13,939	5,073	
1888	375,720	17,995	10,892	15,072	5,453	
1889	395,305	18,830	10,978	16,131	5,780	
1890	418,665	19,553	11,053	17,360	6,099	
1891	443,987	20,430	11,137	18,775	6,403	
1892	466,315	21,275	11,217	20,537	6,540	
1893	488,976	22,082	11,298	22,274	None.	1
1894	511,744	22,994	11,397	23,951	None.	3
1895	531,619	23,922	11,461	25,757	None.	7
1896	552,502	25,037	11,520	27,586	6,546	10
1897	574,309	26,432	11,581	29,399	6,547	42
1898	596,467	28,113	11,646	31,070	6,561	56
1899	616,871	29,916	11,706	32,308	6,761	93
1900	640,167	32,055	11,796	33,957	7,272	183
1901	664,827	33,813	11,879	35,678	8,009	286
1902	690,385	35,547	11,960	37,606	8,887	445
1903	717,521	36,187	12,070	39,612	9,654	603
1904	748,567	36,723	12,189	41,798	10,644	873
1905	778,534	37,220	12,299	43,956	11,758	1,170
1906	808,618	37,706	12,423	48,466	12,588	1,620
1907	839,799	38,391	12,587	50,014	13,297	1,874
1908	875,679	38,980	12,738	66,892	13,964	2,193
1909	908,436	39,737	12,906	72,088	14,582	2,409
1910	945,010	40,424	13,066	76,267	15,074	2,657
1911	980,178	41,063	13,189	80,506	15,444	2,677
1912	1,013,095	42,073	13,346	84,711	16,103	2,925
1913	1,049,326	43,415	13,504	89,731	16,736	3,168
1914	1,083,267	45,098	13,668	94,796	17,444	3,458
1915	1,123,212	46,813	13,858	101,613	18,163	3,799
1916	1,166,419	48,358	14,040	107,875	18,966	4,167
1917	1,210,389	50,117	14,238	114,666	19,836	4,497
1918	1,251,458	51,629	14,417	120,005	20,443	4,844
1919	1,290,027	52,836	14,582	124,066	21,097	5,041
1920	1,326,899	54,359	14,785	128,274	21,617	5,187
1921	1,364,063	56,844	15,018	138,556	22,377	5,439
1922	1,401,948	60,121	15,257	150,210	23,962	5,905
1923	1,440,362	61,748	15,513	163,003	25,474	6,492
1924	1,478,996	63,675	15,739	177,848	26,735	7,111

Statement showing the total number of patents, design patents, and reissued patents, and the total number of certificates of registration of trade-marks, labels, and prints issued in each calendar year since July 28, 1836, when the present series of numbers of Letters Patent commenced.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836), was 9,957.]

Calendar year.	Number of patents and certificates of registration issued during each calendar year.							
	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certificates.
1836 (July 28)	109							
1837	436							
1838	515		6					
1839	404		13					
1840	458		10					
1841	490		6					
1842	488		13					
1843	494	14	11	519				
1844	478	12	7	497				
1845	475	17	11	503				
1846	566	59	13	638				
1847	495	60	14	569				
1848	584	46	23	653				
1849	988	49	30	1,067				
1850	884	83	26	993				
1851	757	90	25	872				
1852	890	109	20	1,019				
1853	846	86	29	961				
1854	1,759	57	28	1,844				
1855	1,892	70	51	2,013				
1856	2,315	107	83	2,505				
1857	2,686	113	97	2,896				
1858	3,467	102	126	3,695				
1859	4,165	108	231	4,504				
1860	4,363	183	232	4,778				
1861	3,040	142	147	3,329				
1862	3,221	195	116	3,522				
1863	3,781	176	227	4,184				
1864	4,638	139	248	5,025				
1865	6,099	221	296	6,616				
1866	8,874	294	290	9,458				
1867	12,301	325	400	13,026				
1868	12,544	446	420	13,410				
1869	12,957	506	534	13,997				
1870	12,157	737	439	13,333	121			121
1871	11,687	905	464	13,056	486			486
1872	12,200	884	529	13,613	491			491
1873	11,616	747	501	12,864	492			492
1874	12,230	886	483	13,599	559	232		791
1875	13,291	915	631	14,837	1,138	232		1,370
1876	14,172	802	621	15,595	959	472		1,431
1877	12,920	699	568	14,187	1,216	392		1,608
1878	12,345	590	509	13,444	1,455	492		1,947
1879	12,133	592	488	13,213	872	355		1,227
1880	12,926	515	506	13,947	349	203		552
1881	15,548	565	471	16,584	834	202		1,036
1882	18,135	861	271	19,267	947	304		1,251
1883	21,196	1,020	167	22,383	902	906		1,808
1884	19,147	1,150	116	20,413	1,021	513		1,534
1885	23,331	773	129	24,233	1,067	391		1,458
1886	21,767	595	116	22,508	1,029	378		1,407
1887	20,429	949	99	21,477	1,133	380		1,513
1888	19,585	835	86	20,506	1,059	327		1,386
1889	23,360	723	75	24,158	1,229	319		1,548
1890	25,322	886	84	26,292	1,415	304		1,719
1891	22,328	836	80	23,244	1,762	137		1,899
1892	22,661	817	81	23,559	1,737	[1] 6		1,743
1893	22,768	902	99	23,769	1,677	None.	2	1,679
1894	19,875	928	64	20,857	1,806	None.	4	1,810
1895	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896	21,867	1,445	61	23,373	1,813	1	32	1,846
1897	22,098	1,631	65	23,794	1,671	14	16	1,701
1898	20,404	1,803	60	22,267	1,238	200	35	1,473
1899	23,296	2,139	92	25,527	1,649	511	100	2,260
1900	24,660	1,758	81	26,499	1,721	737	93	2,551
1901	25,558	1,734	81	27,373	1,925	878	159	2,965
1902	27,136	640	110	27,886	2,006	767	158	2,931
1903	31,046	536	117	31,699	2,196	990	270	3,446
1904	30,267	557	110	30,934	2,158	1,114	297	3,569
1905	29,784	486	129	30,399	4,490	830	359	5,679
1906	31,181	625	159	31,965	10,568	709	656	11,933
1907	35,880	589	151	36,620	7,878	667	315	8,860
1908	32,757	757	168	33,682	5,191	618	220	6,029
1909	36,574	687	160	37,421	4,184	492	148	4,824
1910	35,168	639	123	35,930	4,239	370	120	4,729
1911	32,917	1,010	157	34,084	4,205	650	248	5,112
1912	36,231	1,342	158	37,731	5,020	633	243	5,896
1913	33,941	1,683	164	35,788	5,065	708	290	6,063
1914	39,945	1,715	190	41,850	6,817	719	338	7,874
1915	43,207	1,545	182	44,934	6,262	803	371	7,436
1916	43,970	1,750	198	45,927	6,791	864	432	8,087
1917	41,069	1,512	179	42,760	5,339	613	245	6,197
1918	38,569	1,207	165	39,941	4,061	654	197	4,912
1919	36,872	1,523	203	38,598	4,208	520	146	4,874
1920	37,164	2,485	233	39,882	10,282	760	252	11,294
1921	37,985	3,277	239	41,401	11,654	1,485	466	13,605
1922	38,414	1,627	258	40,297	12,793	1,612	567	14,972
1923	38,634	1,927	226	40,787	14,845	1,361	619	16,725

[1] Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in Higgins et al. *v.* Keuffel et al. (55 O. G. 1130) with the registration No. 6545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6546.

Expenditures for photolithographic and photographic work since 1920.

[The contract for reproduction of exhausted copies for the fiscal year 1923 was split between two contractors.]

Fiscal year ending June 30—	Contractor.	Price per page.			Total.
		Current issue.	Reproduction of exhausted copies, etc.	Photographic copies.	
1920	Columbia Planograph Co.	[1] 1.74 [7] 1.64			175,000
	Sackett & Wilhelms Co.		[3] .573 [4] .71		
	Commercial Photo. Co.			[5] .069 [6] .079	
	Columbia Planograph Co.		[5] .54		
1921 (first half)	Columbia Planograph Co.	[1] 1.18 [7] 1.96			[9] 235,000
	Sackett & Wilhelms Corporation		[3] .77 [4] .99		
	Federal Photolithograph Co.		[6] .54		
	Commercial Photo. Co			[5] .085 [6] .095	
1921 (second half)	Norris Peters (Inc.)	[1] 1.02			
	Columbia Planograph Co.	[7] .95			
	Sackett & Wilhelms Corporation		[3] .77 [4] .97		
	Federal Lithograph Co.		[6] .54		
	Commercial Photo. Co			[5] .374 [6] .09	
1922 (first half)	Washington Planograph Co.	[1] .85			[10] 230,000
	Norris Peters (Inc.)	[7] .78			
	Sackett & Wilhelms Corp		[3] .715 [4] .89		
	Commercial Photo. Co.			[4] .079 [6] .09	
	Norris Peters (Inc.)		[6] .45		
1922 (second half)	Washington Planograph Co.	[1] .795 [7] .70			
	Norris Peters (Inc.)		[3] .533 [4] .81		
	Fuller & Bryant (Inc.)			[5] .064 [6] .085	
	Fuller & Bryant (Inc.)			.075	
1923 (first half)	Columbia Planograph Co.	[1] .7825 [7] .72			[11] 290,000
	Sackett & Wilhelms Co.		[3] .6025 [4] .775		
	Norris Peters (Inc.)		[3] .6075 [4] .775		
	Commercial Photo. Co			[5] .06 [6] .08	
1923 (second half)	Columbia Planograph Co.	[1] .775 [7] .72			
	Sackett & Wilhelms Corp		[3] .58 [4] .17		
	Norris Peters, Inc.		[3] .6025		
	Commercial Photo. Co.			[5] .069 [6] .084	
1924 (first half)	Columbia Planograph Co.	[1] .7675 [7] .71			[12] 280,000
	Sackett & Wilhelms Corp		[3] .575 [4] .18		
	Commercial Photo. Co.			[6] .0625 [6] .08	

[1] For 100 thin, 2 thick, and 1 bond copies of patents.
[3] For 50 copies each, mechanical and design patents and trade-marks.
[4] For 100 copies each, mechanical and design patents and trade-marks.
[5] Size, 8 by 12½ inches.
[6] Size, 10 by 15 inches.
[7] For 50 thin, 2 thick, and 1 bond copies of designs.
[9] For 2 copies of drawings of foreign patents.
[10] Including deficiency appropriation.
[11] For fiscal year ending June 30, 1922.
[12] For fiscal year ending June 30, 1923.
[13] For fiscal year ending June 30, 1924.

Number of patents issued by the United States to December 31, 1923, and by foreign countries to December 31, 1921.

Countries.	To 1870, inclusive.	1871 to 1921.	Total.
Argentina	83	18,297	18,380
Australia	.....	26,179	26,179
Austria	.....	115,350	115,350
Austria-Hungary	15,785	58,811	74,596
Bahamas [1]	.....	16	16
Barbados	.....	186	186
Belgium [2]	36,333	285,665	321,998
Bolivia [1]	42	65	107
Brazil [2]	185	12,700	12,885
British Guiana [1]	32	94	126
British Honduras [1]	1	25	26
Canada	4,081	207,546	211,627
Ceylon [1]	58	829	887
Chile	266	4,263	4,529
Colombia	.....	1,406	1,406
Congo Free State	.....	294	294
Costa Rica	.....	100	100
Cuba	.....	4,046	4,046
Czechoslovakia	.....	7,300	7,300
Denmark	464	36,136	36,600
Ecuador [1]	.....	10	10
Fiji Islands [1]	.....	47	47
Finland	112	9,216	9,328
France	137,254	508,228	645,482
Germany	9,996	355,888	365,884
Great Britain	53,527	540,619	594,146
Guatemala [1]	.....	57	57
Hawaii	.....	176	176
Hongkong	.....	394	394
Hungary	.....	81,145	81,145
India	445	16,733	17,178
Italy and Sardinia [2]	4,665	161,400	166,065
Jamaica [1]	22	287	309
Japan [2]	.....	39,453	39,453
Leeward Islands	.....	47	47
Liberia [1]	.....	2	2
Luxemburg	.....	12,345	12,345
Malta	.....	171	171
Mauritius [1]	113	311	424
Mexico	22	21,054	21,076
Morocco (French Zone) [1]	.....	87	87
Netherlands	4,535	6,771	11,306
Newfoundland	40	734	774
New South Wales	236	11,740	11,976
New Zealand	109	21,826	21,935
Norway	737	34,556	35,293
Paraguay [1]	.....	102	102
Peru [1]	.....	909	909
Portugal [2]	306	11,333	11,639
Queensland	67	6,050	6,117
Russia [1]	1,464	30,844	32,308
St. Helena	.....	4	4
South African Republics	.....	1,262	1,262
South Australia	123	6,675	6,798
Spain [2]	.....	69,681	69,681
Straits Settlements [1]	.....	458	458
Sweden	1,629	52,285	53,914
Switzerland	.....	94,610	94,610
Tasmania	49	3,040	3,089
Trinidad [1]	6	317	323
Tunis	.....	1,102	1,102
Turkey	.....	2,560	2,560
Union of South Africa	.....	6,592	6,592
Uruguay [1]	.....	1,331	1,331
Venezuela	.....	454	454
Victoria	822	12,713	13,535
West Australia	.....	3,401	3,401
Total foreign	273,609	2,908,028	3,181,637
United States	120,573	1,291,331	1,411,904
Total to 1870	394,182	.....	.....
Total 1871–1921	.....	4,199,359	4,593,541
United States 1922	.....	.....	38,414
United States 1923	.....	.....	38,634
Grand total, including United States	.....	.....	4,670,589

[1] No change made in numbers of last year's report. No definite information received.
[2] 1921 figures estimated on account of lack of information.

OTHER DETAILS OF BUSINESS.

During the year a total of 80,522 applications for patents, reissues of patents, and designs and 174,141 amendments in pending applications were filed. This represents a decrease of 8,408 in the number of applications, and an increase of 209 in the number of amendments. There were filed without fees, under the act of March 3, 1883, 130 applications for patent, and under rule 170 of the Rules of Practice, 1 application for reissue, making a total of 131 applications without fees.

The fees received by mail and express amounted to $1,911,286.87, and the fees paid by hand amounted to $1,061,095.24. The number of letters indexed and filed, constituting the general correspondence of the office, was 309,121, a decrease of 9,393 over last year. In addition 50,386 letters of inquiry were returned with indorsements or circulars of information answering the questions propounded, a decrease of 3,518 over last year. The number of parcels received by registered mail was 20,276, and the number of parcels by express was 1,306.

During the year 6,122 applications were forfeited by reason of failure to pay the final fee within the time prescribed by section 4885, Revised Statutes. Since March 3, 1861, about 248,788 forfeited cases have become abandoned.

In the drafting division 995 drawings were made for inventors, who paid $4,741.80 therefor, and 6,952 drawings previously filed were corrected upon request by the inventors, for which the office received $7,006.75. There were also 2 tracings made for $1.00. The total fees received for work by the drafting division amounted to $11,749.55. In addition to this 5,032 corrections in drawings were made without cost to the inventors; 141,547 sheets of drawings were inspected, and 16,721 letters were answered.

In the assignment division 36,935 deeds, transferring the titles to patents, etc., and containing 16,256,200 words, averaging 440 words per deed, were recorded. For this work the office received $66,112.96. In addition to this the assignment division prepared 2,924 abstracts of title and 4,224 briefs, for which fees amounting to $6,331.05 were paid. The total earnings of the assignment division were $72,444.01.

Typewritten copies of 18,540,700 words of records were furnished at 10¢ per hundred words, for which the office received $18,540.70; for 3,532,600 words, received to be compared, the office made a charge of $3,532.60; for photostatic copies of manuscript pages at 15¢ per page the office received $17,596.05, and for certifying to these copies $2,020.50, with $16.50 additional for certificates attached to photoprints of drawings, making a total of $41,706.35. For 8,137 certified printed copies, etc., the office received $6,810.70. For 546 certificates of standing of attorneys furnished from August 22d to end of year the office received $546.00. For 172,709 photostatic copies of foreign patents, etc., the office received $34,374.65, and for 70,748 photographic copies $11,156.60. For all of this class of work the office received a total of $94,594.30. The office furnished to other departments, without charge, 1,404 photostatic copies, and made for its own use 12,082 copies; 17,280 photographic copies were made for its own use.

Printed copies of specifications and drawings of patents to the number of 2,464,261 were sold at 10¢ each, bringing to this office on this account $246,426.10. For 599,425 copies sold to libraries the office received $775.00. The total received from the sale of copies of patents was $247,201.10, an increase of $4,622.70 over the receipts of last year. Copies to the number of 1,089,338 were shipped to foreign Governments in exchange for copies of foreign patents, which would otherwise have cost the office about $75,000. 471,849 copies were drawn for office use. The total number of printed copies of patents distributed during the year was 4,624,873.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

INTERNATIONAL BEDDING CO. *v.* OSTERMOOR & CO.

Decided February 13, 1923.

1. TRADE-MARKS—CANCELLATION—PICTURE OF GOODS.

Where the statement accompanying the certificate of registration shows that it was the intention of the registrants to indicate that their mark was a picture of their goods, *Held* that the mark is merely descriptive of their goods.

2. SAME — SAME — SAME — ILLUSTRATION OF GOODS IN PARTLY-FINISHED STATE.

Where the mark consists of the representation of a mattress in parts, of which one part appears finished and the other part appears opened up, disclosing superimposed layers, *Held* that the mark illustrates the goods, notwithstanding the fact that one part is not shown made up as ordinarily sold.

3. SAME—SAME—WHO MAY APPLY FOR CANCELLATION.

Where the applicant for cancellation has been threatened with suit by the registrant for alleged infringement of the trade-mark in issue by publishing advertisements illustrating goods made by the applicant, *Held* that this shows sufficient interest in the threatened party to warrant it in bringing proceedings for cancellation of the registered mark.

4. SAME—MERELY DESCRIPTIVE MARK—SECONDARY SIGNIFICANCE.

Even if it is true that long use of a mark has given it a secondary significance and that its merely descriptive character has disappeared, *Held* that the mark is not entitled to registration where it is of the same character as that passed upon in *Hercules Powder Co.* v. *Newton*, 266 Fed. 169.

5. SAME—CANCELLATION—INSTIGATED BY A MANUFACTURER'S ASSOCIATION—NOT FOR SOLE BENEFIT OF APPLICANT FOR CANCELLATION.

Where registrant requests permission to show that the proceeding is instituted by the National Association of Bedding Manufacturers and is not brought by the applicant for cancellation for its sole benefit, *Held* that if all that is alleged were proved the fact would still remain that the applicant is damaged by the registration of the mark and an order for cancellation would still be proper.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR MATTRESSES, PILLOWS, CUSHIONS, AND HASSOCKS.

Mr. Frank F. Reed, Mr. Edward S. Rogers, Mr. Allen M. Reed, Mr. Frank L. Browne, Mr. Dudley Browne, and *Mr. J. T. Dowling* for International Bedding Company.

Messrs. Munn & Co. and *Mr. C. C. Cousins* for Ostermoor & Co. (*Mr. John K. Brachvogel* of counsel).

FENNING, *Assistant Commissioner:*

In 1905 Ostermoor & Co. registered their Trade-Mark No. 47,833, for mattresses, pillows, cushions, and hassocks, consisting—

of the representation of a tufted mattress in parts, of which one part appears finished or complete and the other part appears opened up, disclosing expanded, superimposed layers of a fabric-material.

[1, 2, 3] This quotation from the statement accompanying the certificate of registration seems to clearly show that it was the intention of Ostermoor & Co. to indicate that their mark was a picture of their goods. It is urged that since mattresses are ordinarily sold entirely made up and not with one end open to disclose the filling, the mark does not illustrate the goods. I am unable to so find and must hold that the mark is merely descriptive of the goods. The International Bedding Company makes mattresses and urges that purchasers from it have been threatened with litigation by Ostermoor & Co. for alleged infringement of the trade-mark here in issue by publishing advertisements illustrating mattresses made by the International Bedding Company. This shows sufficient interest in the International Bedding Company to warrent them in bringing the present proceedings for cancellation of the registered mark.

[4] Ostermoor & Co. claim that long use of the mark has given it a secondary significance and that its merely descriptive character has so disappeared.

Even if this is so the mark is not entitled to registration under the present law, as pointed out in *Hercules Powder Co.* v. *Newton*, 266 Fed. 169.

[5] Registrant requests permission to reopen the case and take additional testimony to show that the present proceeding is instigated by the National Association of Bedding Manufacturers and is not brought by the International Bedding Company for its sole benefit. The circumstances do not justify reopening the case. If all that is alleged in the moving papers were proved, the fact would still remain that the International Company is damaged by the registration of the descriptive mark and an order for cancellation would still be proper.

Affirmed and the mark will be canceled.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

842,154, H. G. Martin, Telegraphic transmitters, final consent decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction, filed Dec. 31, 1923, D. C., S. D. N. Y., *The Vibroplex Co., Inc.*, v. *J. H. Bunnell & Co.*

1,063,076, O. G. Simmons, File, suit filed Jan. 3, 1924, D. C., S. D. N. Y., Doc. E 28/240, *Vixen Tool Co.* v. *Scandinavian Western Importing Co., Ltd.*

1,149,404, J. S. Patrick, Crude oil burners, suit filed Dec. 29, 1923, D. C., W. D. Okla., Doc. E 627, *J. S. Patrick* v. *R. M. Stone et al.*

1,153,704, P. M. Pierce, Wrapping; 1,263,923, same, Tire-wrapping machine; 1,158,278, Pierce & Pierce, Wrapping machine; 1,432,034, P. Pierce, same; 1,238,318, T. Midgley, Paper-wrapping machines for tires, suit filed Jan. 2, 1924, D. C., Mass., Doc. E 1883, *Pierce Wrapping Machine Co.* v. *Terkelsen Machine Co.*

1,158,278. (See 1,153,704.)

1,168,945, J. L. G. Lehman, Foldable cuffs, appeal filed Dec. 14, 1923, C. C. of Appeals (8th Cir.), Doc. 6567, *J. L. G. Lehman* v. *G. A. Ripley et al.*

1,192,336, S. Mueller, Machine for folding noodles; 1,217,891, same, Method of folding noodles; Des. 42,608, same, Noodle or macaroni, suit filed Nov. 9, 1923, D. C., E. D. N. Y., Doc. 1346, *C. F. Mueller Co.* v. *A. Zerega's Sons Consolidated.*

1,217,891. (See 1,192,336.)

1,222,358, 1,241,090, H. E. Campbell, Metal window frame and sash, suit filed Jan. 3, 1924, D. C., S. D. N. Y., Doc. E 28/239, *Campbell Metal Window Corp.* v. *David Lupton's Sons Co.*

1,238,318. (See 1,153,704.)

1,241,090. (See 1,222,358.)

1,263,923. (See 1,153,704.)

1,383,906, Re. 15,654, E. E. Clark, Lingerie clip, suit filed Jan. 5, 1924, D. C., R. I., Doc. 183, *Wilson Fastener Co.* v. *Parks Bros. & Rogers, Inc.*

1,400,370, C. Nessler, Hair-waving apparatus, suit filed Jan. 28, 1922, D. C., S. D. N. Y., Doc. E 23/74, *Nestle Patent Holding Co., Inc., et al.* v. *Gem Air Permanent Wave Co., Inc.* Final decree in favor of plaintiff, sustaining patent as to claims 3, 10, 12, 18, 20, and 22, adjudging infringement as to above named claims, and granting injunction, filed Jan. 5, 1924.

1,432,034. (See 1,153,704.)

1,465,535, J. E. Valentine, Powder puff, suit filed Nov. 16, 1923, D. C., E. D. N. Y., Doc. 1347, *Valmont Mfg. Co., Inc.*, v. *Alva Mfg. Co., Inc., et al.*

1,466,484, N. Rosen, Lamp reflector, suit filed Nov. 19, 1923, D. C., E. D. N. Y., Doc. 1348, *N. Rosen* v. *United Metal Spinning Co., Inc.*

Des. 42,608. (See 1,192,336.)

Des. 55,432, A. J. D. Ohm, Electric lamp; Des. 57,254, same, Lighting-fixture bracket backs, suit filed Jan. 2, 1924, D. C., S. D. N. Y., Doc. E 28/237, *Lion Electric Appliance Co., Inc.*, v. *Brettler & Hollander* (*Ideal Art Bent Glass Co.*).

Des. 57,254. (See Des. 55,432.)

Des. 63,184, Des. 63,185, J. F. Kohler, Combined lamp shade and stand, suit filed Dec. 31, 1923, D. C., S. D. N. Y., Doc. E 28/209, *Metal Lamp Corp.* v. *Wrought Iron & Art Glass Fixture Co.*

Des. 63,185. (See Des. 63,184.)

T. M. 140,567, The Boss Mfg. Co., Gloves and mittens; T. M. 140,568, The Boston Mfg. Co., Gingham, suit filed Oct. 1, 1923, D. C., E. D. N. Y., Doc. 1338, *Liberty Mfg. Co.* v. *Rosenberg & Kronenberg* (*Liberty House Dress & Apron Co.*) Final decree entered by stipulation in favor of plaintiff Oct. 26, 1923.

T. M. 140,568. (See T. M. 140,567.)

Re. 15,654. (See 1,383,906.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,383,275, S. E. Adair, Amplifier, decided January 2, 1924, claim 1.

Pat. 1,403,161, C. L. Harralson, Roller-bearing swivel wrench plate, decided December 24, 1923, claim 1.

Pat. 1,429,031, P. Harder, Puncture-healing tube, decided December 26, 1923, claim 1.

Pat. 1,441,661, C. S. Church, Brick-handling mechanism, decided January 3, 1924, claims 5 and 6.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 12, 1924.

[VOL. 319. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 136,096. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) STANDARD METAL MANUFACTURING COMPANY, Newark, N. J. Filed Aug. 13, 1920.

STANDARD

No claim is made for the word "Standard" apart from the mark shown on the drawing.

Particular description of goods.—Horns for Automobiles and Motor Cycles, Both Hand Operated and Bulb Operated.

Claims use since early in 1905.

Ser. No. 139,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMILY F. DAVIS, Dover, N. H. Filed Nov. 1, 1920.

Septalon

Trade-mark "Septalon."

Particular description of goods.—Tablets for the Prevention of Colds, Grippe, Pneumonia, Coughs, and All Catarrhal Conditions.

Claims use since Jan. 1, 1918.

Ser. No. 149,147. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE PETERS & HERRON CO., Columbus, Ohio. Filed June 14, 1921.

The Mastertone

Particular description of goods.—Phonographs.

Claims use since 1917.

Ser. No. 153,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIA L. BELDEN, doing business as A. G. Belden & Co., Brooklyn, N. Y. Filed Sept. 29, 1921.

HUILE D'OLIVE VIERGE

Grand Monarque



LOUIS XIV

No claim is made to the words "Huile d'Olive Vierge" apart from the mark shown.

Particular description of goods.—Olive Oil.

Claims use since Jan. 1, 1891.

Ser. No. 154,481. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BOEING AIRPLANE COMPANY, Seattle, Wash. Filed Oct. 24, 1921.

BOEING

The representation of the goods is disclaimed except in connection with the mark shown.

Particular description of goods.—Airplanes and Parts and Accessories Thereto—Namely, Propellers, Struts, Landing Gear, Metal Fittings, and Wooden Parts.

Claims use since May 23, 1921.

Ser. No. 154,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEBHARDT CHILI POWDER CO., San Antonio, Tex. Filed Oct. 25, 1921.

EAGLE BRAND

No claim is made for the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Canned Chili Meat.

Claims use since 1898.

Ser. No. 157,634. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GLATZ BROS., Manchester, Mich. Filed Jan. 9, 1922.

M.M.

Particular description of goods.—Concrete-Marker Molds.

Claims use since Sept. 6, 1921.

Ser. No. 157,868. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WIGHTMAN AND HOUGH COMPANY, Providence, R. I. Filed Jan. 12, 1922.

YANKEE

The lining on the drawing indicates shading.

Particular description of goods.—Cigarette Cases, Cigar Cases, Matchcases, Cigarette Holders, Humidors, Cigarette Boxes, Ash Trays, and Match Stands, All of Which are Made of Base Metals, Leather, or of Molded Material Other Than Precious Metal.

Claims use since Jan. 23, 1918.

Ser. No. 158,308. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANGELO GRILLI, Milwaukee, Wis. Filed Jan. 23, 1922.

Angelo Al Grilli

Particular description of goods.—Propellers.

Claims use since Jan. 10, 1922.

Ser. No. 158,548. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y. Filed Jan. 27, 1922.

YOLA

Particular description of goods.—White and Colored Silk and Cotton Piece Goods.

Claims use since Dec. 28, 1921.

Ser. No. 159,052. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN G. PATTON, Philadelphia, Pa. Filed Feb. 8, 1922.

L'Aiglon

Particular description of goods.—Candy—Namely, Fudge.

Claims use since about September, 1918.

Ser. No. 159,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Feb. 11, 1922.

SOFT BUN

Particular description of goods.—Loaf Bread.

Claims use since Jan. 27, 1922.

Ser. No. 159,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BISCUIT COMPANY, San Francisco, Calif. Filed Feb. 18, 1922.

JUMBO FIESTA

Particular description of goods.—Cakes, Biscuits, and Crackers.

Claims use since Oct. 1, 1921.

Ser. No. 160,024. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PIONEER COFFEE COMPANY, Moorhead, Minn. Filed Mar. 1, 1922.

PIONEER



Particular description of goods.—Coffee.

Claims use since 1916.

Ser. No. 162,264. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PITTSBURGH STEEL PRODCTS CO., Pittsburgh, Monessen, and Allenport, Pa. Filed Apr. 13, 1922.

SUPER

Particular description of goods.—Rotary Drill Pipe, Bull Plugs, Swage Nipples, and Casings.

Claims use since about Apr. 1, 1922.

Ser. No. 164,440. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed May 24, 1922.

KELSWORTH

NEW YORK

No claim made to the words "New York" apart from the mark shown.

Particular description of goods.—Pianos, Organs, Phonographs, and Parts Thereof.

Claims use since about Mar. 15, 1922.

Ser. No. 166,688. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. HILL COMPANY, Nashville, Tenn. Filed July 10, 1922.

CIRCLE H

Particular description of goods.—Tea and Corn Meal.

Claims use since 1905.

Ser. No. 167,204. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STEPHENS ENGINEERING COMPANY, Pittsburgh, Pa. Filed July 21, 1922.

VORTICAL Combustion

No exclusive right is claimed in the words "Vortical" or "Combustion" except in the relation shown.

Particular description of goods.—Furnaces, Parts of Furnaces for Burning Solid Fuel, and Furnace Appliances.

Claims use since Feb. 5, 1921.

Ser. No. 167,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO MARTENS, San Francisco, Calif. Filed July 24, 1922.

HIDNKIX

Particular description of goods.—Confections Consisting of a Candy Body Having a Flavored Sirup Center Contained Within a Shell of Crystallized Sugar Embedded Within the Candy.

Claims use since May 25, 1922.

Ser. No. 168,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCISCO COTERA, doing business as The Cotera Brothers, El Paso, Tex. Filed Aug. 14, 1922.



Particular description of goods.—Coffee.

Claims use since July, 1919.

Ser. No. 168,272. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORITE PRODUCTS COMPANY, Seattle, Wash. Filed Aug. 15, 1922.

MOORITE

Particular description of goods.—Mineral Powders, Mineral Body Massage and Poultice Cream, Mineral Emulsion, Mineral Pyorrhea Powder, Mineral Disappearing Toilet Cream, Mineral Disappearing Toilet Lotion, Mineral Dental Cream, Mineral Pile Suppositories, and Mineral Beauty Pack and Facial Massage Cream.
Claims use since Feb. 25, 1921.

Ser. No. 168,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD H. HUBBARD, doing business as H. H. Hubbard Butter & Egg Company, Rochester, N. Y. Filed Aug. 24, 1922.



The picture appearing in the drawing is fanciful. No claim is made to the exclusive use of the words "Fancy Creamery" and "Butter" apart from the mark shown.
Particular description of goods.—Butter.
Claims use since Jan. 5, 1922.

Ser. No. 169,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. A. RAILTON COMPANY, Chicago, Ill. Filed Sept. 18, 1922.



Particular description of goods.—Vinegar; Canned Vegetables—viz, Asparagus, Tomatoes, Sweet Potatoes, Pork and Beans, Baked Beans, Red Kidney Beans, Lima Beans, String Beans, Stringless Beans, Sifted Peas, Early June Peas, Sweet Corn, Small Beets, Hominy, Rhubarb, Sauerkraut, Spinach, Pumpkin, Tomato Puree, Mushrooms, Wax Beans, Succotash, Apple Sauce, Cepes, Pimientoes; Preserved Vegetables; Canned Fruits—viz, Sliced Peaches, Yellow Cling Peaches, Hawaiian Pineapple, Grated Pineapple, Egg Plums, Green-Gage Plums, Bartlett Pears, Royal Anne Cherries, Red Pitted Cherries, Apricots, Blueberries, Loganberries, Gooseberries, Red Raspberries, Black Raspberries, Strawberries, Apples, and Olives; Preserved Fruits, Dried Fruits, Crushed Fruits, Fruit Jams, Fruit Butters, Fruit Marmalades, Fruit Jellies; Canned Fish—viz, Clams, Salmon, Crab Meat; Salt Fish, Clam Juice; Canned Meats—Namely, Chile Con Carne, Dried Chipped Beef, Cooked Corned Beef, Corned-Beef Hash, Deviled Ham, Potted Ham, Mexican Tamales, Veal Loaf, Sausage and Cereal, Deviled Tongue, Potted Tongue, Chicken, Chop Suey; Cereals—viz, Tapioca, Bran, Oatmeal, Rolled Oats, Rice, Corn Flakes, Farina; Graham Flour, Wheat Flour, Rye Flour, Buckwheat Flour, Waffle Flour, Pancake Flour, Prepared Cake Flour; Corn Meal; Vermicelli, Macaroni, Spaghetti, Noodles; Cornstarch, Food-Flavoring Extracts, Honey, Molasses, Sirups for Food Purposes, Minced Meat, Gelatine, Ice-Cream Powders, Jelly Powders, Tea, Cocoa, Coffee, Chicory, Chocolate, Pickles, Catchup, Spices, Allspice, Prepared Mustard, Mayonnaise Dressing, Salad Dressing, Salad Oil, Cooking Oil, Olive Oil, Cottonseed Salad Oil, Lard, Lard Compound, Oleomargarine, Cheese, Evaporated Milk, Compound Milk, Powdered Sugar, Bouillon Cubes, Soups, Peanut Butter, Essences for Food Purposes, Chop-Suey Sauce, Chile Con Carne, Horse-Radish, Chili Sauce, Chow-chow, Oyster-Cocktail Sauce, Worcestershire Sauce, Clam Chowder, Biscuits, Cookies, and Crackers.
Claims use since July 17, 1922.

Ser. No. 169,912. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MERCURY RADIO PRODUCTS COMPANY, Little Falls, N. J. Filed Sept. 25, 1922.

Mercury

Particular description of goods.—Radio Receiving Sets, Transformers, Loops, and Sockets.
Claims use since March, 1922.

Ser. No. 169,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OAKFORD & FAHNESTOCK, Peoria, Ill. Filed Sept. 25, 1922.

COMPANION

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Grain, Canned Berries, Canned Pork and Beans, Canned Fish, Canned Shell Fish; Canned Sirup, Including Sorghum, Corn Sirup, Table Sirup, and Molasses; Canned Meat, Pickles, Olives, Dressings, Such as Salad Dressing, Olive Oil, Cottonseed Oil, Vinegar, Horse-Radish, Catchup, Pepper Sauce, Mustard, Chili Sauce; Food Flavoring Extracts, Such as Lemon and Vanilla; Dry Fruits, Such as Prunes, Peaches, Apricots; Fruit and Vegetable Preserves, Such as Apple, Raspberry; Jelly, Such as Apple, Currant, Strawberry; Peanut Butter, Apple Butter, Evaporated Milk, Mincemeat, Pepper, Cheese, Sugar, Cocoa, Tea, and Coffee.
Claims use since May 16, 1912.

Ser. No. 170,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) "400" PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 29, 1922.

"400"

Particular description of goods.—Food Beverage Composed of Flavoring, Milk, and Skimmed Milk, and Sirup for Making Same.
Claims use since June 22, 1922.

Ser. No. 170,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. R. MONTAGUE COMPANY, La Crosse, Wis. Filed Sept. 29, 1922.

ADAIR

No claim is made to the representation of the cooky as illustrated apart from the mark shown. The lines appearing on the drawing indicate shading.
Particular description of goods.—Cracker Products and Dutch-Style Cookies.
Claims use since June 3, 1922.

Ser. No. 170,528. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE IDEAL CONCRETE MACHINERY COMPANY, Cincinnati, Ohio. Filed Oct. 10, 1922.

Ideal
ALL THAT THE NAME IMPLIES

No claim is made to the words "All That the Name Implies" except in the form and association shown in the drawing.
Particular description of goods.—Concrete Machinery—Namely, Concrete Mixers, Gravel Screeners, Sand Driers; Concrete Block, Brick, Sill, and Lintel; Pillar, Capital, and Base Tile; Ball, Pier-Coping, and the Like Molds and the Product of Such Molds, Also Interchangeable Faceplates, Pallets, Cores, Liners, and Dividing Plates for Such Molds; Tools and Implements for Making Artificial Stone and Cement Pavements, Comprising Tampers, Jointers, Edgers, Trowels, Markers, Rollers, Pounders, and Levelers.
Claims use since December, 1918.

Ser. No. 170,576. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GENERAL BOILERS COMPANY, Waukegan, Ill. Filed Oct. 11, 1922.

PACIFIC

Particular description of goods.—Steel Boilers in the Nature of a Heating Unit Adapted to Burn Coal, Oil, Gas, or Wood.
Claims use since 1914.

Ser. No. 170,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEATTLE FLOUR MILLS, Seattle, Wash. Filed Oct. 20, 1922.



The lines in the drawing are for shading purposes only; those on the words "Good Luck," brown.
Particular description of goods.—Wheat Flour.
Claims use since 1910.

Ser. No. 171,525. (CLASS 39. CLOTHING.) DAVID W. BRILL, Cleveland, Ohio. Filed Nov. 3, 1922.



Particular description of goods.—Leather Shoes.
Claims use since Oct. 10, 1922.

Ser. No. 171,993. (CLASS 39. CLOTHING.) E. H. HORWOOD & CO., Hoboken, N. J., and New York, N. Y. Filed Nov. 14, 1922.

LITTLE BEAUTY

Particular description of goods.—Union Suits of Knitted and Textile Fabrics.
Claims use since June 5, 1922.

Ser. No. 171,995. (CLASS 39. CLOTHING.) E. H. HORWOOD & CO., Hoboken, N. J., and New York, N. Y. Filed Nov. 14, 1922.

LITTLE BEAUTY

Particular description of goods.—Bloomers.
Claims use since Aug. 1, 1922.

Ser. No. 172,354. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Nov. 21, 1922.

BILLET DOUX

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powders.
Claims use since Nov. 1, 1922.

Ser. No. 172,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Nov. 21, 1922.

MON TRÉSOR

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, and Talcum Powders.
Claims use since Nov. 1, 1922.

Ser. No. 172,542. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. G. LASHER COLOR CO., INC., New York, N. Y. Filed Nov. 25, 1922.

MADE IN U.S.A. LASHER'S LAKES

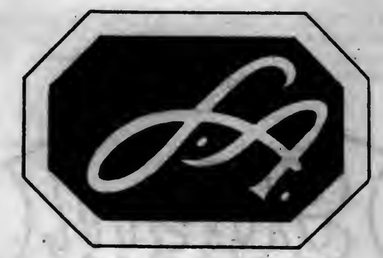
No claim is made to the words "Lakes" and "Made in U. S. A." apart from the mark shown, no common-law rights, however, being waived.
Particular description of goods.—Pigments and More Particularly Dry Colors and Lakes.
Claims use since April, 1915.

Ser. No. 172,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWLING & SON, La Mesa, San Diego, Calif. Filed Dec. 2, 1922.

KE-PEG

Particular description of goods.—Egg-Preserving Compounds.
Claims use since May 1, 1922.

Ser. No. 172,854. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LOUIS ALLIS COMPANY, Milwaukee, Wis. Filed Dec. 4, 1922.



Particular description of goods.—Electric Motors, Generators, Rotary Converters, Inverted Converters, Rotaries, Frequency Changers, Controllers, and Compensators.
Claims use since about Sept. 1, 1922.

Ser. No. 172,875. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 4, 1922.

COLORBESTON

The mark consists of the word "Colorbeston."
Particular description of goods.—Insulated Electrical Conductors and Especially Asbestos-Covered Conductors.
Claims use since July, 1921.

Ser. No. 172,908. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOUTH BEND BAIT CO., South Bend, Ind. Filed Dec. 4, 1922.

ORENO

Particular description of goods.—Fishing Reels, Fishing Rods, Artificial Fishing Baits and Lures, Fish Hooks, Fishing Lines, Leaders for Fish Hooks.
Claims use since Aug. 1, 1922.

Ser. No. 173,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANN M. WEBER, Gary, Ind. Filed Dec. 6, 1922.

ANN M. WEBER'S Hair Pomade

No claim is made to the words "Hair Pomade" apar from the mark shown in the accompanying drawing.
Particular description of goods.—Hair Pomade.
Claims use since December, 1921.

Ser. No. 173,089. (CLASS 37. PAPER AND STATIONERY.) OTTO KECLIK, doing business as O. K. Press, Chicago, Ill. Filed Dec. 8, 1922.

O·K· Press

Particular description of goods.—Building and Loan Association Forms, Blank Books, and Job and Commercial Printing and Loose-Leaf Systems.
Claims use since Jan. 2, 1915.

Ser. No. 173,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. C. LYSLE MILLING COMPANY, Leavenworth, Kans. Filed Dec. 8, 1922.



GOLDEN AGE

Particular description of goods.—Wheat Flour.
Claims use since 1882.

Ser. No. 173,216. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SIBYL A. SCOTT, doing business as Scott-Block Co., New York, N. Y. Filed Dec. 11, 1922.



The applicant disclaims the two representations of the blocks apart from her mark.
Particular description of goods.—Wooden Wedge Blocks.
Claims use since Jan. 1, 1921.

Ser. No. 173,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANVILLE WHOLESALE GROCERY CO., Danville, Ill. Filed Dec. 16, 1922.

VANITY MAID

Particular description of goods.—Canned Fruit.
Claims use since June, 1922.

Ser. No. 173,420. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. HALL, INC., Rochester, N. Y. Filed Dec. 16, 1922.

BLUE DIAMOND

Particular description of goods.—Dried Fruits.
Claims use since Nov. 15, 1922.

Ser. No. 173,573. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MCCREA MFG. CO., Minneapolis, Minn. Filed Dec. 19, 1922.

STORM KING

Particular description of goods.—Commercial Cab Bodies.
Claims use since August, 1919.

Ser. No. 173,684. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STENTORPHONE COMPANY, Los Angeles, Calif. Filed Dec. 21, 1922.



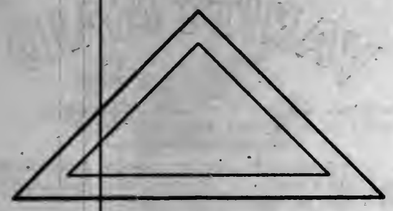
Particular description of goods.—Radio Loud Speakers.
Claims use since Aug. 1, 1921.

Ser. No. 173,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOLALCO COMPANY, New York, N. Y. Filed Dec. 26, 1922.

HOLALCO

Particular description of goods.—Rubbing Lotion.
Claims use since about Oct. 25, 1922.

Ser. No. 173,865. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TRIANGLE WATER HEATER CO., Monrovia, Calif. Filed Dec. 26, 1922.



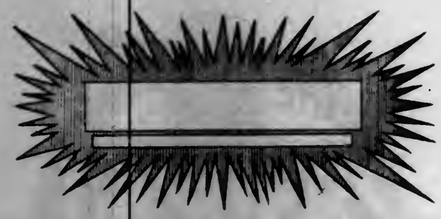
Particular description of goods.—Automatic Gas Heaters.
Claims use since January, 1919.

Ser. No. 173,893. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LANSBURGH & BRO., INC., Washington, D. C. Filed Dec. 27, 1922. Under ten-year proviso.

Lansburgh & Bro.

Particular description of goods.—Gold and Silver Jewelry for Personal Wear, Not Including Watches, Solid and Plated Silver Hollow Ware, Flatware, Tableware; Gold-Plated, Solid-Silver, and Silver-Plated Umbrella and Cane Handles, and Platinumized Jewel Settings, Toilet Articles, Flasks, Picture and Mirror Frames, Desk Fittings, Smokers' Articles, Mesh Bags, Vases, Rosaries, and Thermometer Cases, All Made of or Plated with Precious Metal.
Claims use since 1885.

Ser. No. 174,075. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ENERGINE REFINING AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 2, 1923.



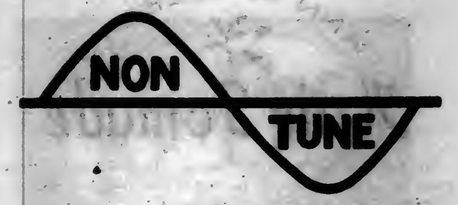
The lining indicates the color red.
Particular description of goods.—Liquid Hydrocarbons Employed in Medical Purposes and in the Industrial Arts.
Claims use since Feb. 3, 1903.

Ser. No. 175,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. A. WRIGHT & SON, Atlanta, Mo. Filed Jan. 22, 1923.

TURKEY-TONE

Particular description of goods.—Poultry Remedy for the Treatment of Blackhead, Droopiness, and Live Troubles in Turkeys and Other Poultry.
Claims use since Apr. 1, 1920.

Ser. No. 175,252. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEICH ELECTRIC COMPANY, Genoa, Ill. Filed Jan. 29, 1923.



Particular description of goods.—Electric-Current Rectifiers.
Claims use since about Feb. 1, 1922.

Ser. No. 175,822. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN S. TIMMONS, Philadelphia, Pa. Filed Feb. 9, 1923.

TT

Particular description of goods.—Radio Loud Speakers and Electrical Announcing and Calling Devices for Use in Halls, Auditoriums, and Similar Places.
Claims use since about July 31, 1922.

Ser. No. 175,864. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HANSON BROTHERS SCALE COMPANY, Chicago, Ill. Filed Feb. 10, 1923.

HANSON

Particular description of goods.—Weighing Scales.
Claims use since Dec. 28, 1922.

Ser. No. 175,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM C. LAYDEN, doing business as Layden Remedy Co., Detroit, Mich., and Cleveland, Ohio. Filed Feb. 12, 1923.

W. C. Layden's

The trade-mark is a reproduction of the applicant's signature.
Particular description of goods.—Rheumatic and System Tonic Used for the Treatment of Liver and Kidney Ailments and Blood Purifier.
Claims use since Oct. 1, 1921.

Ser. No. 175,984. (CLASS 39. CLOTHING.) A. FISHER SHIRT CO. INC., New York, N. Y. Filed Feb. 18, 1923.

Lucky BRAND

No claim is made to the word "Brand" apart from the mark shown on the drawing.
Particular description of goods.—Dress Shirts.
Claims use since January, 1922.

Ser. No. 176,490. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS J. MCCARTHY, Los Angeles, Calif. Filed Feb. 23, 1923.

SWEET VAPOR



Particular description of goods.—Face Cream.
Claims use since Jan. 31, 1923.

Ser. No. 176,549. (CLASS 2. RECEPTACLES.) HYGIENIC TUBE COMPANY, Newark, N. J. Filed Feb 24, 1923.

HYGULOID

Particular description of goods.—Nitrocellulose Products—Namely, Tube Containers and Boxes for Creams, Salves, Ointments, Emulsion, and Other Compositions.
Claims use since Dec. 22, 1921.

Ser. No. 176,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. T. MULLIKIN CO., INC., Philadelphia, Pa. Filed Feb. 24, 1923.

PURITY

Particular description of goods.—Salted Peanuts, Peanut Butter, a Pop-Corn Confection, and Dates.
Claims use since 1905.

Ser. No. 176,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALIÑO HERMANOS Y COMPAÑIA, Buenos Aires, Argentina. Filed Mar. 2, 1923.



The words "Marca Registrada" appearing on the drawing are disclaimed apart from the mark as shown.
Particular description of goods.—Food Product Composed of a Flour Made from Cereals and Slightly Treated with Dextrine for the Nourishment of Children and Sick Persons.
Claims use since July 29, 1914.

Ser. No. 176,965. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRAY-HAWLEY MFG. CO., Detroit, Mich. Filed Mar. 5, 1923.

GRAY

Particular description of goods.—Mufflers for Internal-Combustion Engines.
Claims use since Dec. 1, 1922.

Ser. No. 178,190. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) PORZELLANFABRIK PH. ROSENTHAL & CO. A. G., Berlin, Germany. Filed Mar. 28, 1923.



The trade-mark consists of the word "Rosenthal," written in two halves ("Rosen" to the left, "thal" to the right), with a gap between them, and two crossed sticks in this gap with a crown intermediate the upper ends of the sticks, a flourish extending from the letter "T" below the word, the words "Selb-Bavaria" appearing below the flourish, the whole being surrounded by four marginal flourishes combined to form a substantially oval label, the background as well as the inscription, signs, and marginal flourishes being printed in gold and everything except the background being embossed, so as to appear in alto-rellevo on the background. The words "Selb-Bavaria" are disclaimed also.
Particular description of goods.—Crockery, Earthenware, and Porcelain.
Claims use since Jan. 2, 1922.

Ser. No. 178,781. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TREXLER COMPANY OF AMERICA, Philadelphia, Pa. Filed Apr. 7, 1923.

TREX

Particular description of goods.—Tire Pumps and Piston-Ring Expanders.
Claims use since Feb. 1, 1923.

Ser. No. 178,924. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM B. KHOSKY, Manchester, N. H. Filed April 10, 1923.

Hen and Duck OIL NO. 6

The words "Hen and Duck Oil" are not claimed apart from the mark shown in the drawing.
Particular description of goods.—Oil for Pain in the Side, Appendix, Liver, and Veins, and for the Removal of Warts from the Hands.
Claims use since Aug. 1, 1922.

Ser. No. 178,940. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TORK COMPANY, INC., New York, N. Y. Filed Apr. 10, 1923.

TORK

Particular description of goods.—Electrical or Electrically Operated Switches.
Claims use since Jan. 27, 1923.

Ser. No. 179,116. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) M. SCHECHTER & BRO., New York, N. Y. Filed Apr. 13, 1923.

WESTERN SEAL

No claim is made to the word "Seal" apart from the mark shown on the drawing.
Particular description of goods.—Dyed Rabbit Skins.
Claims use since Mar. 1, 1923.

Ser. No. 179,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNIVERSAL IMPORTING COMPANY, Montreal, Quebec, Canada. Filed Apr. 16, 1923.

ARMISTICE BRAND

The lining of the drawing indicates a blue background, while the crossed lines thereupon indicate orange. The word "Brand" is disclaimed apart from the mark as shown.
Particular description of goods.—Canned Fish, Including Sardines and Kipper Snacks.
Claims use since Mar. 1, 1922.

Ser. No. 179,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINCHELL SMITH, Farmington, Conn. Filed Apr. 18, 1923.

MILL STREAMS

Particular description of goods.—Whole-Wheat Flour, Buckwheat Flour, Rye Flour, Graham Flour, Corn Meal, Laying Mash, Scratch Feed, Hog Feed, and Bread.
Claims use since Oct. 1, 1920.

Ser. No. 179,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAYLOR BROS., Camden, N. J. Filed Apr. 20, 1923.

DANDY

Trade-mark consists of the word "Dandy."
Particular description of goods.—Chicken and Poultry Feed—viz, Scratch Food, Chicken Food, and Laying Mash.
Claims use since Apr. 1, 1914.

Ser. No. 179,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS). HERMAN POPPITZ, Chaska, Minn. Filed Apr. 21, 1923.

LIGHTNING

Particular description of goods.—Corns.
Claims use since Jan. 1, 1923.

Ser. No. 179,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TOURAINE COMPANY, Boston, Mass. Filed Apr. 21, 1923.

THE RITZ PACKAGE

No claim made to the word "Package" apart from the other features of the mark.
Particular description of goods.—Candy.
Claims use since 1907.

Ser. No. 179,829. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HYMAN SLATKIN, doing business as Felmor Chemical Works, Baltimore, Md. Filed Apr. 27, 1923.

EVER-GLO

Particular description of goods.—Paint Enamel.
Claims use since Apr. 16, 1923.

Ser. No. 179,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MISNER MANUFACTURING CO., Detroit, Mich. Filed Apr. 28, 1923.

Komb-Rite

Particular description of goods.—Hair Dressing.
Claims use since Mar. 12, 1923.

Ser. No. 179,958. (CLASS 39. CLOTHING.) RANDEL & GRUSKY, New York, N. Y. Filed Apr. 30, 1923.

RG & PANTS

No claim is made to the word "Pants" or to the representation of the goods, apart from the mark shown on the drawing.
Particular description of goods.—Men's and Boys' Trousers.
Claims use since Jan. 1, 1923.

Ser. No. 179,959. (CLASS 39. CLOTHING.) RANDEL & GRUSKY, New York, N. Y. Filed Apr. 30, 1923.

GR & PANTS

No claim is made to the word "Pants" or to the representation of the goods apart from the mark shown on the drawing.
Particular description of goods.—Men's and Boys' Trousers.
Claims use since Jan. 1, 1923.

Ser. No. 180,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed May 3, 1923.

L'ORIGAN

Particular description of goods.—Perfume, Toilet Water, Face Powder, Compact Powder, Sachet Powder, Talcum Powder, Brilliantine, Eau de Cologne, Lotion for the Hair, and Lip-Stick Rouge.
Claims use since 1909.

Ser. No. 180,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL FITZGERALD, Watertown, Wis. Filed May 12, 1923.



No claim made to the word "Brand," the words "Brick Cheese," the words "Warranted Whole Milk," or the background apart from the mark as shown. I having sold to Swift and Company, of Chicago, Illinois, all of my good will, trade, business, and trade-mark right in the word "Buttercup" for processed cheese, I make no claim to said trade-mark for processed cheese, in the manufacture of which ordinary cheese is used as raw material, said processed cheese being recognized as having distinctive descriptive properties.

Particular description of goods.—Cheese Other Than Processed Cheese.

Claims use since 1905.

Ser. No. 181,161. (CLASS 27. HOROLOGICAL INSTRUMENTS.) AMERICAN WATCH IMPORT COMPANY, Detroit, Mich. Filed May 26, 1923.

"Americus"

Particular description of goods.—Watches.

Claims use since June 1, 1922.

Ser. No. 181,213. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABST CORPORATION, Milwaukee, Wis. Filed May 26, 1923.



The drawing is lined for red.

Particular description of goods.—Malt Extract Used for Food Purposes.

Claims use since May 16, 1919.

Ser. No. 181,224. (CLASS 17. TOBACCO PRODUCTS.) STEACY-SHAEFFER TOBACCO CO. INC., York, Pa. Filed May 26, 1923.

MI-TE GOOD

No claim is made to the words "Mi-te-Good" apart from the association shown.

Particular description of goods.—Tobacco, and Particularly Chewing Tobacco.

Claims use since May 18, 1923.

Ser. No. 181,320. (CLASS 17. TOBACCO PRODUCTS.) R. G. SULLIVAN ESTATE, Manchester, N. H. Filed May 28, 1923. Under ten-year proviso.

7-20-4

Particular description of goods.—Cigars.

Claims use since 1874.

Ser. No. 181,322. (CLASS 17. TOBACCO PRODUCTS.) R. G. SULLIVAN ESTATE, Manchester, N. H. Filed May 28, 1923. Under ten-year proviso.

R.G.SULLIVAN'S

Particular description of goods.—Cigars.

Claims use since 1874.

Ser. No. 181,350. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARDS CHEMICAL CO., Glenolden, Pa. Filed May 29, 1923.

ACIDO
Richards

The word "Richards" is written in the facsimile signature of the president of the applicant corporation.

Particular description of goods.—Bacillus Acidophil-Aerogenes in Oil Suspension, Liquid Culture, Capsules for the Treatment of Nasal, Mucous, and Intestinal Affections, and Tablets.

Claims use since Apr. 26, 1922.

Ser. No. 181,469. (CLASS 39. CLOTHING.) WEISMAN & SONS COMPANY, Detroit, Mich. Filed June 1, 1923.

Wyson

Particular description of goods.—Arm Bands, Bloomers, Men's Belts, Ladies' Belts, Boudoir Caps, Camisoles, Bathing Caps, Children's Dresses, Infants' Dresses, Garters, Children's Hats, Infants' Hosiery, Sweaters for Boys and Children, Bootees for Infants, Men's Neckties, Cravats, and Scarfs, Suspenders; Sockets, Necktles for Ladies and Children.

Claims use since January, 1922.

Ser. No. 181,511. (CLASS 45. BEVERAGES, NONALCOHOLIC. WILLIAM E. BROBST, Jr., doing business as W. E. Brobst Company, Noblesville, Ind. Filed June 4, 1923.

"TOAST-O"

Particular description of goods.—Maltless Flavoring Base in Powder, Paste, or Sirup Form for Flavoring Beverages.

Claims use since Mar. 15, 1923.

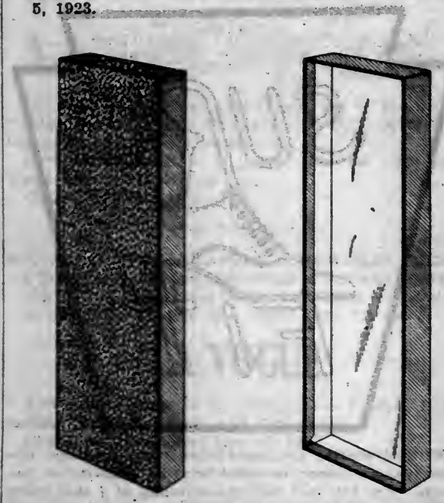
Ser. No. 181,515. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANCES FLORENCE DELL, London, England. Filed June 4, 1923.

DELLEX

Particular description of goods.—Table Mats Made of Net or Lace, with Heat Insulators Inside, the Predominating Material Being Vulcanized Plantation Crêpe (Vulcanized Rubber.)

Claims use since May 10, 1923.

Ser. No. 181,561. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FLEXIBLE STEEL LACING CO., Chicago, Ill. Filed June 5, 1923.



The trade-mark is applied or affixed to the goods by printing or otherwise coloring the top and two ends of the box, container, or package, buff, and the two opposite sides dark green. In the accompanying drawing the cover and tray of the box to which the trade-mark is applied, are shown separately in perspective, and the trade-mark consists in so arbitrarily coloring the box or container that, when the cover is assembled or telescoped with respect to the tray, the box or container as an entirety presents a top and two ends colored buff and two opposite sides colored dark green, as expressed by the lining, no claim being made to the representation of the box, container, or package apart from the mark shown.

Particular description of goods.—Flexible or Hinged Belt Fasteners.

Claims use since early in the year 1908.

Ser. No. 181,609. (CLASS 15. OILS AND GREASES.) OIL CREEK REFINING COMPANY, East Titusville, Pa. Filed June 6, 1923.

JUSTFINE

Particular description of goods.—Petroleum Products, and Particularly Lubricating Oils, Motor Oils, Gas-Engine Oils, Tractor Oils, Gasoline, Kerosene, Lubricating Greases, Paraffin-Wax, Fuel Oil, Cutting Oil, Transmission and Differential Oil, Transformer, Turbine, Dynamo, Steam Cylinder, and Oils, Black Oil, Plate Oil, Cordage Oil, Counter Oil, Windmill Oil, Compressor Oil, Red Engine Oil, Jack Oil, Hydraulic Oil, Mine Oil, 300 Burning Oil, Marine-Engine Oil, Aeroplane Oil; Mill Oils, Such as Gas Engine, Red Engine, Transformer, Turbine, and Steam-Cylinder Oils Ordinarily Used in Mills; Car Oil, Gun Oil, Sewing-Machine Oil, Cream-Separator Oil, and Tempering Oil.

Claims use since Mar. 19, 1921.

Ser. No. 181,672. (CLASS 39. CLOTHING.) SMALTZ-GOODWIN COMPANY, Philadelphia, Pa. Filed June 6, 1923.



Without waiving any common-law rights applicant disclaims any attempt to cover in this registration the words "Sure Fit" and the representation of a shoe apart from the mark as shown in the drawing.

Particular description of goods.—Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric, Leather and Rubber, and Fabric and Rubber.

Claims use since May 4, 1923.

Ser. No. 181,850. (CLASS 37. PAPER AND STATIONERY.) SOCIETE ANONYME "CRAYONS CONTE," Regny and Paris, France. Filed June 7, 1923. Under ten-year proviso.

CONTÉ

Particular description of goods.—Crayons, Crayon Holders, Pencils, Penholders, Pens, Rubber Erasers, Rubber Bands, and Writing Paper.

Claims use since 1800.

Ser. No. 181,851. (CLASS 37. PAPER AND STATIONERY.) SOCIETE ANONYME "CRAYONS CONTE," Regny and Paris, France. Filed June 7, 1923. Under ten-year proviso.

CONTÉ À PARIS

Particular description of goods.—Crayons, Crayon Holders, Pencils, Penholders, Pens, Rubber Erasers, Rubber Bands, and Writing Paper.

Claims use since 1800.

Ser. No. 181,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZALOOM BROTHERS COMPANY, INC., New York, N. Y. Filed June 9, 1923.

ROYAL SHAH

Particular description of goods.—Unshelled, Roasted and Salted Pistachio Nuts.

Claims use since Jan. 1, 1923.

Ser. No. 181,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZALOOM BROTHERS COMPANY, INC., New York, N. Y. Filed June 9, 1923.

ROYAL TULIP

Particular description of goods.—Unshelled, Roasted, and Salted Pistachio Nuts.

Claims use since Jan. 1, 1921.

Ser. No. 181,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVIS & LAWRENCE CO., New York, N. Y. Filed June 13, 1923.



All of the wording appearing on the drawing, with the exception of applicant's name, the word "The," and the letters "D & L," being disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Ointment.

Claims use since January, 1897.

Ser. No. 182,163. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) C. W. MCCLURE, Atlanta, Ga. Filed June 18, 1923.

TEN-CENT-TERIA

No claim is made to the parallelogram surrounding the mark apart from the mark as shown on the drawing.

Particular description of goods.—Card, Board, and Table Games; Toys—Namely, Sectional Wooden Toy Favors, Rubber Toys, Toy Whistles, Toy Musical Instruments, Toy Vehicles, Balloons, Mechanical Toys, Toy Trunks, Suitcases, and Bags; Doll Carriages, Doll Sulkies, Doll Pianos; Toy Blackboards, Desks, Drums, Trains; Toy Tea Sets (China, Aluminum, and Tin); Marbles, Papier-mâché Toys, Paper Bells, Paper Garlands, Christmas Tree Ornaments, Toy Pistols, Toy Guns, Sand Toys; Dolls and Sporting Goods—Namely, Footballs, Basketballs, and Golf Balls.

Claims use since May 31, 1923.

Ser. No. 182,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED W. SCARFF, doing business as Avalon Laboratories, Chicago, Ill. Filed June 18, 1923.



The picture on drawing is fanciful.

Particular description of goods.—Beauty Clay, Vanishing Cream, a Depilatory, Lemon Cleansing Cream, Face Powder, Shampoo, Cold Cream, Deodorant Cream, Tooth Paste, Almond Cream, and Beauty Packet Consisting of Beauty Clay, Cold Cream, Vanishing Cream, and Face Powder.

Claims use since Feb. 10, 1923.

Ser. No. 182,230. (CLASS 39. CLOTHING.) JENNIE M. BODENSIEK, New York, N. Y. Filed June 20, 1923.

MALLYN WON

Particular description of goods.—Corsets, Brassières, and Abdominal Belts for Personal Wear.

Claims use since June 1, 1923.

Ser. No. 182,247. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NORBERT F. KEMPEL, doing business as Kempel Manufacturing Co., Not Inc., Chicago, Ill. Filed June 20, 1923.

RADIA-METER

Particular description of goods.—Pressure-Indicating Signal for Automobile Radiators and Pressure Tanks.

Claims use since Apr. 26, 1923.

Ser. No. 182,351. (CLASS 39. CLOTHING.) LEW-MAR PRODUCTS COMPANY, New York, N. Y. Filed June 22, 1923.

SUBMARINE Water Guard "IT FITS BEHIND THE EARS"

No claim is made to the exclusive use of the words "Water Guard It Fits Behind the Ears," apart from the mark as shown on the drawing.

Particular description of goods.—Bathing Caps and Water Guards for Bathing Caps.

Claims use since April, 1923.

Ser. No. 182,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. DICK, doing business as United States Cosmetics Co., St. Louis, Mo. Filed June 25, 1923.

LA VOGUE

Particular description of goods.—Face Powder, Hand Lotion, Vanishing Cream, and Cold Cream.

Claims use since about May 13, 1923.

Ser. No. 182,551. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TERRY TEXTILE CORPORATION, New York, N. Y. Filed June 28, 1923.



The drawing is lined for shading.

Particular description of goods.—Cotton Piece Goods.

Claims use since June 19, 1923.

Ser. No. 182,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DAVIS-MASON-ENGLAND CO., Jackson, Mich. Filed June 29, 1923.

UNXLD

Particular description of goods.—Coffee, Olives, Canned Tomatoes, Fruit Preserves; Codfish, Dried, Shredded, and Canned; Salad Dressing, Pickles, Prepared Mustard, Black Pepper, Cornstarch, Dried Prunes, Rice and Vinegar.

Claims use since 1892.

Ser. No. 182,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN PACKING COMPANY, Grand Forks, N. Dak. Filed June 30, 1923.

WILD ROSE

Particular description of goods.—Sausage, Ham, and Bacon.
Claims use since Dec. 18, 1919.

Ser. No. 182,694. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABBOTT'S ALDERNEY DAIRIES, INC., Philadelphia, Pa. Filed July 2, 1923.

Abbottmaid
SEALED BY NATURE
Special

No claim is made to the words "Sealed by Nature" and "Special" apart from the mark as shown in the drawing.
Particular description of goods.—Ice Cream in Brick Form.
Claims use since Apr. 1, 1923.

Ser. No. 182,703. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DE LANCEY, FELCH & COMPANY, Pawtucket, R. I. Filed July 2, 1923.

DELFELCO

Particular description of goods.—Dry Batteries.
Claims use since Jan. 10, 1921.

Ser. No. 182,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TETONE MANUFACTURING COMPANY, New York, N. Y. Filed July 6, 1923.

SOOTHES THE NERVES
CALMS THE MIND
TETONE
GUARANTEED UNDER THE PURE FOOD AND DRUG ACT
MADE EXCLUSIVELY BY
TETONE MFG. CO. NEW YORK.

No claim is made to the words "Soothes the Nerves," "Calms the Mind," "Guaranteed under the Pure Food and Drug Act," "Made Exclusively by," and "New York" apart from the mark shown in the drawing.
Particular description of goods.—Medicine for Soothing the Nerves.
Claims use since Jan. 1, 1923.

Ser. No. 182,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STUDE BAKING COMPANY, Houston, Tex. Filed July 7, 1923. Under ten-year proviso.

Studes

Particular description of goods.—Bread, Rolls, and Pastry.
Claims use since Jan. 1, 1895.

Ser. No. 182,972. (CLASS 39. CLOTHING.) ILLINOIS GLOVE CO., Chicago, Ill. Filed July 9, 1923.

Mike Malone

Particular description of goods.—Men's Leather Gloves.
Claims use since Jan. 1, 1921.

Ser. No. 182,988. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OYSTER SHELL PRODUCTS CORPORATION, New York, N. Y. Filed July 9, 1923.

PILOT
BRAND

No rights are asserted to the exclusive use of the word "Brand" except as forming part of the trade-mark shown in the drawing.
Particular description of goods.—Ground Oyster Shell in Flake Form for Poultry and Pulverized for Hogs and Cattle.
Claims use since June 7, 1923.

Ser. No. 183,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 10, 1923. Under ten-year proviso.

HECKERS' SUPERLATIVE

Particular description of goods.—Wheat Flour.
Claims use since 1892.

Ser. No. 183,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONNELL RICE COMPANY, New York, N. Y. Filed July 13, 1923.

Connell

Particular description of goods.—Rice.
Claims use since May 1, 1922.

Ser. No. 183,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 13, 1923.

DURYEA'S
MAIZENA
EXPRESSLY FOR FOOD

All the wording shown on the drawing is disclaimed with the exception of applicant's name and the words "Duryea's" and "Maizena."
Particular description of goods.—Corn Flour.
Claims use since Jan. 2, 1919.

Ser. No. 183,146. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GULF CITY MANUFACTURING CO., INC., Mobile, Ala. Filed July 13, 1923.

SEA GULL

Particular description of goods.—Crushed Oyster Shells for Poultry.
Claims use since October, 1916.

Ser. No. 183,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 16, 1923.

GREEN DIAMOND
Hecker's

In the drawing the lining represents the color green.
Particular description of goods.—Wheat Flour.
Claims use since Mar. 11, 1895.

Ser. No. 183,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 16, 1923.



In the drawing the lining represents the color red.
Particular description of goods.—Wheat Flour.
Claims use since Mar. 11, 1895.

Ser. No. 183,463. (CLASS 39. CLOTHING.) THE ATKINS COMPANY, INC., Hartford, Conn. Filed July 20, 1923.

ATCO

Particular description of goods.—Hosiery and Underwear of Knitted and Textile Fabric for Men, Women, and Children.
Claims use since April, 1920.

Ser. No. 183,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 20, 1923.



Particular description of goods.—Wheat Flour.
Claims use since August, 1892.

Ser. No. 183,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923.



The words "Brilliantine Stick" and "Paris" are hereby disclaimed apart from the mark shown.
Particular description of goods.—Brilliantine.
Claims use since 1919.

Ser. No. 183,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923. Under ten-year proviso.

ROUGE DU BENGALE

Particular description of goods.—Perfumery.
Claims use since 1857.

Ser. No. 183,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923.



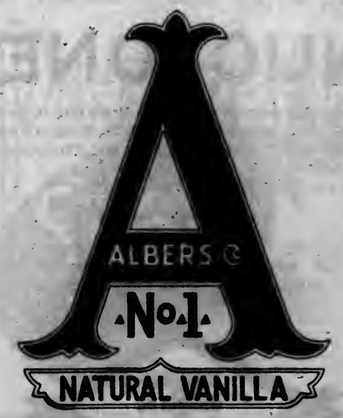
The words "Paris, France" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Perfumery.
Claims use since 1879.

Ser. No. 183,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923.



The words "Paris, France" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Perfumery.
Claims use since 1879.

Ser. No. 183,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed July 28, 1923.



The words "Natural Vanilla" are disclaimed apart from the mark shown.
Particular description of goods.—Flavoring for Bakers' and Household Use in Cakes, Ice Cream, and Other Food Products.
Claims use since May 12, 1923.

Ser. No. 184,133. (CLASS 39. CLOTHING.) LITTLE QUEEN HAT COMPANY, INC., New York, N. Y. Filed Aug. 6, 1923.

The Little Queen

Particular description of goods.—Children's Hats.
Claims use since Apr. 27, 1921.

Ser. No. 184,288. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FEDERAL WOOLEN CO., INCORPORATED, New York, N. Y. Filed Aug. 9, 1923.



Particular description of goods.—Piece Goods of Wool and Worsted for Men's Suits and Overcoats.
Claims use since May 10, 1923.

Ser. No. 184,325. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GUY A. COMBS, doing business as Standard Paint Manufacturing Co., Minneapolis, Minn. Filed Aug. 11, 1923.



Particular description of goods.—Ready-Mixed Paint, Varnishes, Paint Enamels, and Stains.
Claims use since July 1, 1920.

Ser. No. 184,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMBRY E. ANDERSON, Memphis, Tenn. Filed Aug. 13, 1923.



The words "Fancy Texas Red Rust Proof" are disclaimed apart from the remainder of the mark as shown in the drawing.
Particular description of goods.—Cattle Feed.
Claims use since July 1, 1923.

Ser. No. 184,383. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CONEMAUGH IRON WORKS, Blairsville, Pa. Filed Aug. 13, 1923.



No claim is made to the use of the words "Blairsville" and "Penna." apart from the mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.

Particular description of goods.—Cast-Iron Enamel Ware—Namely, Bathtubs, Lavatories, Flush Tanks, Sinks, Drain Boards, and Laundry Trays.

Claims use since January, 1923.

Ser. No. 184,442. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE RECTA S. A. Bienne, Switzerland. Filed Aug. 14, 1923.

Recta

Particular description of goods.—Watches and Parts of Watches.

Claims use since Dec. 5, 1913.

Ser. No. 184,487. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN BRASS & ELECTRIC SUPPLY COMPANY, Brooklyn, N. Y. Filed Aug. 15, 1923.

AMBESCO

Particular description of goods.—Lighting-Fixture Units and Parts Thereof.

Claims use since July 2, 1923.

Ser. No. 184,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES STEWART, Edinburgh and Dundee, Scotland. Filed Aug. 15, 1923.

NUCTONE

Particular description of goods.—Preparation for Gradually Darkening Hair Which is Turning Gray, Combining a Germicide and Stimulant for Hair and Preventing Formation of Scurf.

Claims use since Dec. 16, 1920.

Ser. No. 184,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OSAKA ZOSU KABUSHIKI KAISHA, Sakai, Japan. Filed Aug. 16, 1923.

玉
玉酢井迺

The character within the diamond is pronounced Tama, and means "a jewel." The characters outside the diamond are pronounced Tama-no-i-su, and means "vinegar bearing the brand, a jewel in a well." The character at left and outside the diamond is disclaimed. It means "vinegar bearing the brand."

Particular description of goods.—Vinegar.

Claims use since Dec. 22, 1916.

Ser. No. 184,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM R. KENAN, Jr., doing business as Randleigh Farm, Lockport, N. Y. Filed Aug. 17, 1923.

RANDLEIGH

Particular description of goods.—Dairy Products—Namely, Milk and Cream and Live Cattle.

Claims use since about Mar. 1, 1922.

Ser. No. 184,667. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FITZ-JAMES HOOD, Atlanta, Ga. Filed Aug. 18, 1923.

Nala

Particular description of goods.—Prevention-of-Theft Device for Vehicles—Namely, a Metallic Tag to be Inserted in the Structure Thereof and Made Fast.

Claims use since June 1, 1923.

Ser. No. 184,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LUMARTIN J. LEA, Burlington, N. C. Filed Aug. 21, 1923.



Particular description of goods.—Flavored Ice or Sherbet.

Claims use since Apr. 1, 1915.

Ser. No. 184,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed Aug. 21, 1923.

Cottan

Particular description of goods.—Perfumery.

Claims use since 1879.

Ser. No. 184,928. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AM-PLUS STORAGE BATTERY COMPANY, Chicago, Ill. Filed Aug. 24, 1923.

Am-plus

Particular description of goods.—Storage Batteries.

Claims use since July, 1919.

Ser. No. 184,935. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRANK C. CARLAND COAL COMPANY, Chicago, Ill. Filed Aug. 24, 1923.

"Red Arrow"
SEMI-ANTHRACITE

No separate claim is made to the expression "Semi-Anthracite" apart from the mark as shown.

Particular description of goods.—Coal.

Claims use since Apr. 1, 1922.

Ser. No. 184,958. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PETER A. BROUILLETTE, doing business as The Brouillette Co., Sioux City, Iowa. Filed Aug. 25, 1923.



THREE BEARS

Particular description of goods.—Infants' Knives, Forks, and Spoons of Plated Silver.

Claims use since June 16, 1923.

Ser. No. 185,292. (CLASS 39. CLOTHING.) THE GREEN SHOE MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 4, 1923.

GreenfleX

Particular description of goods.—Boots and Shoes Made of Leather, Fabric, or Combinations.

Claims use since Aug. 1, 1923.

Ser. No. 185,386. (CLASS 37. PAPER AND STATIONERY.) SPRINGFIELD GLAZED PAPER COMPANY, Springfield, Mass. Filed Sept. 6, 1923.

SHADEX

Particular description of goods.—Paper Window-Shade Material.

Claims use since Aug. 31, 1923.

Ser. No. 185,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Sept. 8, 1923.

CIBALBUMIN

Particular description of goods.—Pharmaceutical Preparation for Use in Nonspecific Protein Therapy, and Particularly Applicable for Internal Medicine and Surgery, Acute Infectious Diseases, Pneumonia, Influenza, Endocarditis, Scarlet Fever, Diphtheria, Dysentery, Colitis, Arthritis, Myositis, Neuralgia, Migraine, Local Tubercular Affections, Ulcers, Phlegmon, Infected Wounds; Gynecology and Obstetrics: Inflammatory Affections of

the Female Genitals, Exudates, Salpingitis, Puerperal Fever, Febrile Miscarriage, Gonorrhea (Provocative Doses); Pediatrics: Atrophy and Anemia of the New Born and Infants; Ophthalmology: Iritis, Rheumatic Scleritis, Recent Affections of the Vitreous Body, Acute Traumatic Iridocyclitis, Corneal Herpes, Ulcerous Corneal Complications of Trachoma, Acute Conjunctivitis, Conjunctival Gonorrhea, Ophthalmia Neonatorum; Otology, Rhinology, Laryngology: Affections of the Upper Respiratory Tract, of the Larynx and Bronchi, Vaso-Moto-Rhinitis Hay Fever, Angina, Etc.; Urology: Cystitis and Urethritis, Gonorrheal Complications, Epididymitis.

Claims use since Dec. 20, 1922.

Ser. No. 185,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CONSUMERS DISTRIBUTING CO., Pittsburgh, Pa. Filed Sept. 10, 1923.

CODISCO

The drawing is lined in the conventional manner to indicate the color of red.

Particular description of goods.—Food-Flavoring Extracts.

Claims use since Aug. 13, 1923.

Ser. No. 185,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED WHOLESALE GROCERY COMPANY, Worcester, Mass. Filed Sept. 10, 1923.

Elm Park



Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Dried Beef, Canned Fish, Canned Evaporated Milk, Canned Spaghetti, Canned Molasses, Fruit Sirup and Maple Sirup, Honey, Tomato Catchup, Prepared Mustard, Olives, Fruit Jams, Fruit Jellies, Food-Flavoring Extracts, Spices, Pickles, Peanut Butter, Coffee, Cornstarch for Cooking Purposes, and Wheat Flour.

Claims use since Aug. 1, 1922.

Ser. No. 185,718. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEWTON LABORATORIES, INC., New York, N. Y. Filed Sept. 12, 1923.

MATAMEL

Particular description of goods.—Sirup Made from the Mexican Maguey Plant, Used in the Treatment of Chronic Diseases of the Organs of the Genito-Urinary System.

Claims use since July 20, 1923.

Ser. No. 185,763. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERRY & NELSON, Dunlow, W. Va. Filed Sept. 13, 1923.



PERRY & NELSON'S

The portraits shown in the drawing are those of the applicants.

Particular description of goods.—Medicinal Preparation for All Kinds of Rheumatism, Kidney Troubles, and Catarrh.

Claims use since Aug. 15, 1923.

Ser. No. 185,779. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BUSH & LANE PIANO COMPANY, Holland, Mich. Filed Sept. 14, 1923.



Applicant disclaims the words "Music Divine" and "The Player of the Ages" and the representation of the goods apart from the mark shown in the drawing, no waiver being made as to applicant's common-law rights therein.

Particular description of goods.—Pianos and Player Pianos.

Claims use since Apr. 19, 1909.

Ser. No. 185,812. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Sept. 15, 1923.

Music Box

The mark consists of the words "Music Box."

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, Metal Pencils, Vanity Cases, Puff Boxes, Coin Purses, Mesh Bags and Metal Purses, All of Precious Metal or Plated with Precious Metal, and Necklace Sets, Consisting of Beads of Precious Metal or Plated with Precious Metal, or of Imitation Pearl, Composition, or Base Metal.

Claims use since Mar. 9, 1923.

Ser. No. 185,813. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC. New York, N. Y. Filed Sept. 15, 1923.

Corolite

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, Metal Pencils, Vanity Cases, Puff Boxes, Coin Purses, Mesh Bags and Metal Purses, All of Precious Metal or Plated with Precious Metal, and Necklace Sets, Consisting of Beads of Precious Metal or Plated with Precious Metal, or of Imitation Pearl, Composition, or base metal.

Claims use since Aug. 29, 1923.

Ser. No. 185,881. (CLASS 12. CONSTRUCTION MATERIALS.) TEXICO STUCCO CO., El Paso, Tex. Filed Sept. 17, 1923.

TEXICO STUCCO COMPANY
TEXICO
STUCCO
EL PASO, TEXAS

TRADE MARK

No claim is made to the words "El Paso, Texas," "Stucco," and "Trade Mark."

Particular description of goods.—Exterior Stucco.

Claims use since July 31, 1923.

Ser. No. 185,958. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Sept. 20, 1923.

CRAMP



Particular description of goods.—Brass and Bronze Castings, Babbitt Metal, Bronze Ingots, and Iron and Steel Castings and Forgings.

Claims use since Aug. 15, 1923.

Ser. No. 185,962. (CLASS 39. CLOTHING.) DOERMAN & HERBST SHOE MFG. CO., South Milwaukee, Wis. Filed Sept. 20, 1923.

"GREAT SCOTT"

Particular description of goods.—Leather Shoes.

Claims use since Aug. 7, 1923.

Ser. No. 185,986. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETERSEN & PEGAU BAKING CO., Omaha, Nebr. Filed Sept. 20, 1923.

Peter Pan

Particular description of goods.—Bread.

Claims use since July 27, 1923.

Ser. No. 185,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATTHEW RICHARTZ, New York, N. Y. Filed Sept. 20, 1923.

M. Richartz
Safe-lax

No claim made to the use of the words "Safe" and "Lax" apart from the mark shown in the drawing.
Particular description of goods.—Laxative Tablets.
Claims use since August, 1923.

Ser. No. 186,053. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GREAT-WEST COAL & LUMBER COMPANY, Chicago, Ill. Filed Sept. 22, 1923.

"BURNRITE"

Particular description of goods.—Coal.
Claims use since Jan. 1, 1917.

Ser. No. 186,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK S. RADWAY, doing business as I. L. Radwaner Seed Company, New York, N. Y. Filed Sept. 22, 1923.

HARMONY

Particular description of goods.—Bird Seeds.
Claims use since Sept. 20, 1920.

Ser. No. 186,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADVANCE MILLING CO., Chicago, Ill. Filed Sept. 24, 1923.

ULIKET

Particular description of goods.—Bread.
Claims use since Aug. 18, 1923.

Ser. No. 186,107. (CLASS 39. CLOTHING.) MILTON G. COOPER DRY GOODS CO., Los Angeles, Calif. Filed Sept. 24, 1923.

KIDDIES LEVER LOTHES

The word "Klothes" forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Dresses and Suits for Boys and Girls.
Claims use since 1917.

Ser. No. 186,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH PACIFIC CO-OPERATIVE BERRY GROWERS, Seattle, Wash. Filed Sept. 24, 1923.

TOTEM

Particular description of goods.—Fresh Berries.
Claims use since June 1, 1923.

Ser. No. 186,204. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HENRY B. TAYLOR, Montreal, Quebec, Canada. Filed Sept. 25, 1923.

Tatchit

Particular description of goods.—Hangers for Pictures and Like Articles and Devices for Fastening Pictures, Calendars, Cards, and Wall Ornaments to Walls.
Claims use since Apr. 19, 1923.

Ser. No. 186,368. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 29, 1923.

FURELLA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Mar. 1, 1922.

Ser. No. 186,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 29, 1923.

FLEURETTE

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Mar. 1, 1922.

Ser. No. 186,394. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SMITH-MCCORD-TOWNSEND DRY GOODS CO., Kansas City, Mo. Filed Sept. 29, 1923.

SMITHCORD
FADE PROOF
FABRICS...

No claim is made to the words "Fade Proof Fabrics" apart from the mark shown on the drawing, but reserving all common-law rights.
Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 12, 1923.

Ser. No. 186,409. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BESTYETTE TRADING CORP., New York, N. Y. Filed Oct. 1, 1923.



The picture forming a feature of the mark is fanciful.
Particular description of goods.—Human-Hair Nets.
Claims use since Oct. 15, 1922.

Ser. No. 186,489. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE WHIGELT, New York, N. Y. Filed Oct. 2, 1923.

SI-CO

Particular description of goods.—Wall Sizes in the Nature of an Undercoat for Wall Coverings and Paints.
Claims use since 1909.

Ser. No. 186,490. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WHITING & DAVIS COMPANY, Plainville, Mass. Filed Oct. 2, 1923.

Music Box

Particular description of goods.—Mesh Bags Made of Precious Metals.
Claims use since July, 1923.

Ser. No. 186,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. AUGENBLICK & BRO., Newark, N. J. Filed Oct. 5, 1923.



The representation of an egg, the words "Air Sealed Eggs" and "The Farm's Best" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Eggs.
Claims use since Sept. 11, 1923.

Ser. No. 186,604. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MOTOTERIA COMPANY, Cleveland, Ohio. Filed Oct. 5, 1923.

Mototeria

Particular description of goods.—Vehicles Adapted for Use as Traveling Stores.
Claims use since July 1, 1923.

Ser. No. 186,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD COLONY CANDY COMPANY, Detroit, Mich. Filed Oct. 5, 1923.



No claim is made to the word "Candies" or to the geographical term "Detroit" apart from the mark shown in the drawing heretofore submitted.
Particular description of goods.—Candies.
Claims use since May 15, 1923.

Ser. No. 186,609. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PERFECTONE RADIO CORPORATION, New York, N. Y. Filed Oct. 5, 1923.

Perfectone

Particular description of goods.—Loud Speakers for Radioreception, and Radio Supplies and Wireless and Electrical Equipment—Namely, Head Sets, Condensers, Rheostats, Variocouplers, Coils, Fuse Terminals, Lightning Arresters, Vacuum-Tube Sockets, Crystal Detectors, and Receiving Sets.
Claims use since Oct. 1, 1923.

Ser. No. 186,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTAGE WHOLESALE GROCERY COMPANY, Portage, Wis. Filed Oct. 6, 1923.

PORTAGE



Particular description of goods.—Coffee, Tea, Peanut Butter, Tomato Catchup, Rolled Oats, Prepared Mustard, Olives, Pickles, Fruit Jellies, Canned Vegetables, Salted Nuts.
Claims use since Jan. 1, 1922.

Ser. No. 186,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MANUEL RUANO, doing business as Melero, Rodriguez & Ruano, Mendoza, Argentina. Filed Oct. 6, 1923.



No claim is made of any right of registration under the statute of the words "Establecimiento Fruticola," "Mendoza," and "Nueva Almeria," nor to the exclusive right to use the representation of bunches of grapes displayed upon said trade-mark, except in connection with the mark as shown, applicant reserving, however, all common-law rights in the mark as a whole, with or without color, and to said words. The head and bust of the girl is not the picture of any living individual, but is purely fanciful. The drawing herewith presented is shaded to show coloring: (*a*) the border of the oval is lined for blue; (*b*) the words "Nueva Almeria" are lined for red; (*c*) the star symbols are lined for gold.
Particular description of goods.—Fresh Grapes in Their Natural State.
Claims use since Mar. 1, 1922.

Ser. No. 186,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIRST LADY COMPANY, INC., Salt Lake City, Utah. Filed Oct. 8, 1923.

FIRST LADY

Particular description of goods.—Face Powder, Lemon and Other Cleansing Creams, Tissue Cream, Skin Bleach, Vanishing Cream; Preparation Known as Tar Treatment for Cleansing the Scalp, Removing Dandruff, and Promoting the Growth of the Hair; Acne Cream, a Preparation for Removing Undesirable Hair Growth; Honey and Almond Cream, Rose Lotion, Lemon Lotion, Coconut-Oil Shampoo, Beauty Pack, Rouge Compact, Lip Sticks, Eyebrow Pencils, Toilet Water, and Perfume.
Claims use since July 30, 1919.

Ser. No. 186,842. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EMMETT M. HOWARD, Portsmouth, Va. Filed Oct. 11, 1923.

"SKEET-O-GUN"

Particular description of goods.—Devices for Applying Insecticides.
Claims use since Aug. 1, 1923.

Ser. No. 186,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND-O'NEAL MILLING CO., Mount Vernon and Springfield, Mo. Filed Oct. 12, 1923.

CREMO

Particular description of goods.—Yellow-Corn Chop, Soft-Wheat Bran, Soft-Wheat Mill-Run, Mixed Feed, Soft-Wheat Shorts, Hog Feed, Alfalfa Molasses Feed, Horse and Mule Feed, Hen Scratch, Chick Scratch, Laying Mash, Cream Meal, and Corn Meal.
Claims use since August, 1904.

Ser. No. 186,911. (CLASS 15. OILS AND GREASES.) KAY AND ELLINGER, INC., New York, N. Y. Filed Oct. 12, 1923.

HOSTESS

Particular description of goods.—Candles.
Claims use since Sept. 26, 1923.

Ser. No. 186,912. (CLASS 15. OILS AND GREASES.) KAY AND ELLINGER INC., New York, N. Y. Filed Oct. 12, 1923.

GOLD STRIPE

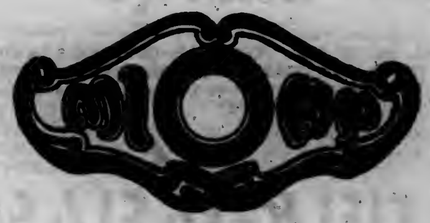
Particular description of goods.—Candles.
Claims use since Sept. 26, 1923.

Ser. No. 187,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KELP-O-DINE COMPANY, Indianapolis, Ind. Filed Oct. 15, 1923.

Kelp-O-Dine

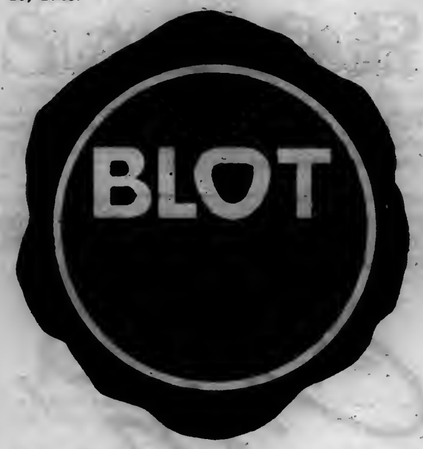
Particular description of goods.—Tonic Tending to Prevent the Serious Ailments from the Deficiency of Iodine in Diet and a Corrective for the Treatment of Glandular Affections and an Improper Metabolism, Containing Assimilable Iodides.
Claims use since July 11, 1923.

Ser. No. 187,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LANG & PEETS, New York, N. Y. Filed Oct. 15, 1923.



Particular description of goods.—Face Cream.
Claims use since Aug. 1, 1923.

Ser. No. 187,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STAR LABORATORIES, INC., River Falls, Wis. Filed Oct. 15, 1923.



Particular description of goods.—Remedy for Corns.
Claims use since about Sept. 1, 1923.

Ser. No. 187,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS C. STEPHAN, doing business as The Starlett Laboratories, Chicago, Ill. Filed Oct. 15, 1923.

ALCAPEP

Particular description of goods.—Prophylactic and Mouth Wash.
Claims use since on or about Oct. 2, 1922.

Ser. No. 187,044. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CONSERVENFABRIK RORSCHACH A. G., Rorschach, Switzerland. Filed Oct. 16, 1923.

POMOL

Particular description of goods.—Nonalcoholic Concentrated Apple Juice.
Claims use since Dec. 10, 1922.

Ser. No. 187,101. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERICO MACARONI MFG. CO., INC., New Orleans, La. Filed Oct. 17, 1923.

LA FAVORITA

Particular description of goods.—Macaroni and Spaghetti.
Claims use since 1886.

Ser. No. 187,125. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) QUINN MARSHALL COMPANY, Lynchburg, Va. Filed Oct. 17, 1923.

MOSS-ROSE

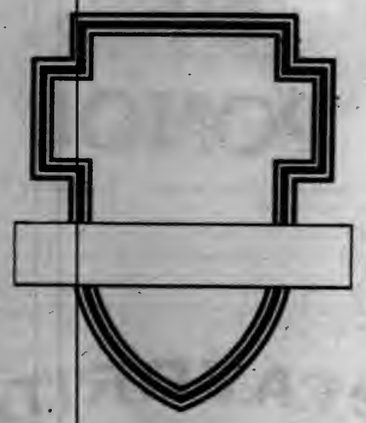
Particular description of goods.—Bleached Cottons, Cambrics, and Nainsooks in the Piece.
Claims use since Sept. 11, 1923.

Ser. No. 187,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEN KLEIN, Chicago, Ill. Filed Oct. 19, 1923.

"Me"

Particular description of goods.—Hair Tonic, Hair Dressing, Cold Cream, Face Powder, Toilet Water, Talcum Powder, Vanishing Cream, Massage Cream, Shampoo, and Perfume.
Claims use since Apr. 2, 1923.

Ser. No. 187,254. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Oct. 20, 1923.



Particular description of goods.—Insecticides and Fungicides.
Claims use since Sept. 11, 1923.

Ser. No. 187,259. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS H. LEVINE, doing business as M. H. Levine Co., New York, N. Y. Filed Oct. 20, 1923.



The picture forming the mark is fanciful and represents the head of a woman. Applicant disclaims the exclusive right to the use of the words "Pattern," "Brand," and "N. Y."
Particular description of goods.—Knitted and Woven Fabrics of Silk in the Piece.
Claims use since 1920.

Ser. No. 187,280. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ART METAL RADIATOR COVER CO., Chicago, Ill. Filed Oct. 22, 1923.



Particular description of goods.—Radiator Covers for Heating Radiators.
Claims use since 1917.

Ser. No. 187,284. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIG 4 CHEMICAL PRODUCTS COMPANY, Indiana Harbor, Ind. Filed Oct. 22, 1923.

Evercomb

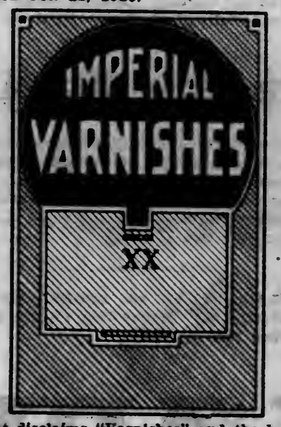
Particular description of goods.—Hair Dressing.
Claims use since May 10, 1923.

Ser. No. 187,305. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed Oct. 22, 1923.

NUMIUM

Particular description of goods.—Key Chains, Buckles, Collar Buttons, Collar Fasteners, Eyeglass Holders, Knife Handles, Badges, Key Rings, Chain Fasteners, Snap Fasteners, Spring Rings, Ornamental Hairpins, Swivels, Tie Clasps, Rivet Wire, Eyeglass Wires, Belt Clasps, Belt Supporters, Bib Holders, Eyeglass Reels, and Vanity Cases, All of Which are Made of or Plated with Precious Metals; Chains for Personal Adornment, Bracelets, Cuff Buttons, Cuff Links, Lockets, Charms, Fobs, Pendants, Finger Rings Ornamental Clasp Pins, Pin Stems, Pin Joints, and Pin Catches.
Claims use since Aug. 1, 1923.

Ser. No. 187,321. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. C. LICHT COMPANY, Chicago, Ill. Filed Oct. 22, 1923.



Applicant disclaims "Varnishes" and the letters "XX." The lining for color upon the drawing submitted consists of vertical minute lines in pale green.
Particular description of goods.—Floor Varnish, Enamel, Enamel Underbody, and Cement Coating.
Claims use since Jan. 1, 1908.

Ser. No. 187,383. (CLASS 27. HOROLOGICAL INSTRUMENTS.) OPTIMA SOCIETE ANONYME, Grenchen, Switzerland. Filed Oct. 23, 1923.

Optima

Particular description of goods.—Watches, Watch Movements, and Parts Thereof.
Claims use since about 1919.

Ser. No. 187,506. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Detroit, Mich. Filed Oct. 26, 1923.

PARAGARD

Particular description of goods.—Bumpers.
Claims use since about Oct. 1, 1923.

Ser. No. 187,510. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COWITZ & COMPANY, Worcester, Mass. Filed Oct. 26, 1923.

SATOR

Particular description of goods.—Ointment for the Treatment of Rheumatism, Neuralgia, Neuritis, Muscular Soreness, and Analogous Uses.
Claims use since Sept. 10, 1922.

Ser. No. 187,513. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DORMEUIL FRERES, Paris, France. Filed Oct. 26, 1923.

Sportex

Particular description of goods.—Woolen Piece Goods.
Claims use since December, 1921.

Ser. No. 187,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COFFEE PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 27, 1923.



Particular description of goods.—Coffee and Coffee Substantially Freed From Caffein.
Claims use since Oct. 4, 1923.

Ser. No. 187,600. (CLASS 15. OILS AND GREASES.) WILLIAM P. BAGBY, doing business as Pittsburg Oil Company, Pittsburg, Kans. Filed Oct. 29, 1923.



Particular description of goods.—Light, Medium, and Heavy Cylinder Oils and Differential, Transmission, and Cup Greases.
Claims use since April, 1922.

Ser. No. 187,603. (CLASS 39. CLOTHING.) THE BENDIX COMPANY, Milwaukee, Wis. Filed Oct. 29, 1923.

Leads 'em all Overall

PILOTALLS

UNION MADE

No claim is made to the words "Union Made" nor to the words "Leads 'em all Overall" apart from the mark as shown.

Particular description of goods.—Overalls, Jackets, Pants, Coats, Aprons, and Jumpers Made from Cotton Fabrics of All Kinds and Such Other Fabrics as Are Used in the Making of Garments of this Nature.

Claims use since about Apr. 7, 1923.

Ser. No. 187,624. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMUEL HIRD & SONS, INC., Passaic, N. J. Filed Oct. 29, 1923.

Hird's Vigoureux

The word "Vigoureux" is disclaimed except in the connection shown.

Particular description of goods.—Worsted Suitings in the Piece.

Claims use since Aug. 1, 1923.

Ser. No. 187,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MIDY LABORATORIES, INC., New York, N. Y. Filed Oct. 29, 1923.



Applicant does not claim for this registration any right to the exclusive use of the descriptive word "Piperazine" except in the precise relation and association in which the same appears in the labels and drawings.

Particular description of goods.—Preparation for the Treatment of Gout, Lumbago, Sciatica, Gravel, Stone, and Other Manifestations of the Uric-Acid Diathesis and to Control the Formation of Urates.

Claims use since Dec. 1, 1907.

Ser No. 187,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Oct. 29, 1923.

FLAVILLA

Particular description of goods.—Flavorings for Food.

Claims use since Oct. 17, 1923.

Ser. No. 187,678. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERNATIONAL SILVER CO., Meriden and Wallingford, Conn. Filed Oct. 30, 1923.

INTERNATIONAL STERLING

No claim is made to the word "Sterling" apart from the mark shown in the drawing.

Particular description of goods.—Sterling-Silver Flatware and Hollow Ware.

Claims use since Oct. 17, 1923.

Ser. No. 187,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed Nov. 1, 1923.

LADY ALICE

Particular description of goods.—Coffee and Peanut Butter.

Claims use since Jan. 1, 1921.

Ser. No. 187,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAURY-COLE COMPANY, Memphis, Tenn. Filed Nov. 1, 1923.

BELL BOY

Particular description of goods.—Coffee.

Claims use since Jan. 1, 1921.

Ser. No. 187,834. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NATIONAL BITUMINOUS ENAMEL AND PAINT CORPORATION, Baltimore, Md. Filed Nov. 1, 1923.

NA-BEP-CO.

Particular description of goods.—Bituminous Paints of a General Character, Bituminous Roof Paints, Bituminous Acidproof Paints, Bituminous Waterproofing Paints, Bituminous Dampproofing Paints, Bituminous Marine Paints, Bituminous Paints for Coating Over Creosote, Bituminous Enamel, Bituminous Decking, and Bituminous Plastic.

Claims use since March, 1920.

Ser. No. 187,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSCAR E. MOORE, Jr., Portsmouth, Ohio. Filed Nov. 2, 1923.

SHURE - SHOT

Particular description of goods.—Prophylactics.

Claims use since Aug. 16, 1923.

Ser. No. 187,943. (CLASS 27. HOROLOGICAL INSTRUMENTS.) R. GSELL & CO., INC., New York, N. Y. Filed Nov. 3, 1923.

The Lady's Versatile

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.

Claims use since August, 1923.

Ser. No. 187,953. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE PIONEER RUBBER COMPANY, Willard, Ohio. Filed Nov. 3, 1923.

PIONEER

Particular description of goods.—Game Balls and the Rubber Bladders Therefor.

Claims use since 1922.

Ser. No. 187,961. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRED S. BENNETT, INC., New York, N. Y. Filed Nov. 5, 1923.

VIVAWITE

Particular description of goods.—Waterproof and Water-Repellent Knitted, Netted, and Woven Fabrics.

Claims use since on or about Sept. 18, 1922.

Ser. No. 187,982. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRED S. BENNETT, INC., New York, N. Y. Filed Nov. 5, 1923.

Vivatex

Particular description of goods.—Waterproof and Water-Repellent Knitted, Netted, and Woven Fabrics.

Claims use since on or about July 28, 1922.

Ser. No. 187,983. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRED S. BENNETT, INC., New York, N. Y. Filed Nov. 5, 1923.

THŌRATEX

Particular description of goods.—Waterproof and Water-Repellent Knitted, Netted, and Woven Fabrics.

Claims use since on or about July 28, 1922.

Ser. No. 188,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAVERLY PRODUCE COMPANY, Waverly, Iowa. Filed Nov. 5, 1923.



Particular description of goods.—Eggs and Dressed Poultry.

Claims use since on or about Mar. 1, 1921, on containers of eggs; since on or about Aug. 1, 1921, on containers of dressed poultry.

Ser. No. 188,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEINSTEIN & SMITH, doing business as Littell Candy Company, Washington, D. C. Filed Nov. 5, 1923.

Lucy Anna
Old Time Home Made
Candies

The phrase "Old Time Home Made Candies" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since Oct. 26, 1923.

Ser. No. 188,048. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. E. HARMON, doing business as Edward P. Sharp, Buffalo, N. Y. Filed Nov. 6, 1923.

IDEAL

Particular description of goods.—Electric Trolley Wheels.
Claims use since about 1905.

Ser. No. 188,086. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Providence, R. I. Filed Nov. 7, 1923.

Twilleen

Particular description of goods.—Woolen, Cotton, and Woolen and Cotton Piece Goods.
Claims use since June, 1923.

Ser. No. 188,221. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JACOB SHANKS, St. Louis, Mo. Filed Nov. 10, 1923.

RUB-NO-MORE

Particular description of goods.—Polishing Compound Other Than as Abrasive or Detergent.
Claims use since about Nov. 1, 1921.

Ser. No. 188,246. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) K. & B. FENDER BRACE COMPANY, Wichita Falls, Tex. Filed Nov. 12, 1923.

K AND B
FENDER BRACE

Applicant disclaims exclusive right to the words "Fender Brace" as a part of the trade-mark.
Particular description of goods.—Automobile Fender Braces.
Claims use since Nov. 10, 1920.

Ser. No. 188,247. (CLASS 15. OILS AND GREASES.) LIBERTY OIL COMPANY, Des Moines, Iowa. Filed Nov. 12, 1923.

GEARELENE

"Gearelene."
Particular description of goods.—Lubricant or Grease Specially Adapted for Use as a Differential Grease, Transmission Grease, and Places Where Heavy Grease is Desired on Automobiles.
Claims use since October, 1916.

Ser. No. 188,280. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STAR MOTORS INCORPORATED, New York, N. Y. Filed Nov. 13, 1923.

RUGBY

The appearance of the trade-mark is as shown in the drawing, the border lines of the letters of the word and of the respective white and blue areas being in silver.
Particular description of goods.—Automobiles and Constructive Parts Thereof.
Claims use since Sept. 29, 1923.

Ser. No. 188,284. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I. Filed Nov. 13, 1923.

DURAFLEX

Particular description of goods.—Flexible Armored Cables and Cords and Flexible Steel Conduits for Electrical Wires.
Claims use since on or about Jan. 12, 1922.

Ser. No. 188,299. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FARISH COMPANY, Greenwich, Conn., and New York, N. Y. Filed Nov. 14, 1923.

COTTONDALE

"Cottondale."
Particular description of goods.—Cotton Goods, Finished and Unfinished, and Particularly Bleached and Unbleached Sheeting.
Claims use since Jan. 1, 1920, and prior thereto.

Ser. No. 188,301. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB MARLOWE GARVER, doing business as Pirate Pete Company, Chicago, Ill. Filed Nov. 14, 1923.

Pirate Pete

Particular description of goods.—Candy.
Claims use since Nov. 2, 1923.

Ser. No. 188,316. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM C. LOUD, doing business as Glassmobile Co., Detroit, Mich. Filed Nov. 14, 1923.

GLASS CO MOBILE

Particular description of goods.—Automobile Curtains.
Claims use since Jan. 1, 1923.

Ser. No. 188,321. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) NATIONAL SMELTING & REFINING CORP., New York, N. Y. Filed Nov. 14, 1923.

Albium

Particular description of goods.—Raw Metals of Nonferrous Character.
Claims use since Oct. 20, 1922.

Ser. No. 188,356. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MANUFACTURING COMPANY, Richmond, Va. Filed Nov. 14, 1923.

PIEDMONT

Particular description of goods.—Toilet Paper in Rolls, Paper Towels, and Paper Napkins.
Claims use since Sept. 9, 1908.

Ser. No. 188,365. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LESTER E. GRISWOLD, Columbus, Ohio. Filed Nov. 15, 1923.

EL CUERO

No claim is made to the word "El Cuero" apart from the other features of the mark as shown.
Particular description of goods.—Outfits Including Leather and Cutting and Plaiting Implements for Forming and Plaiting Leather Strips or Thongs.
Claims use since Aug. 15, 1923.

Ser. No. 188,388. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 15, 1923.

CONY

Particular description of goods.—Edible Oils—Namely, Technical White Oil.
Claims use since Oct. 2, 1923.

Ser. No. 188,394. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE VISCOLOID COMPANY, Leominster, Mass. Filed Nov. 15, 1923.

Viscoloid

Particular description of goods.—Pyroxylin Plastic Product and Compositions Formed Therefrom and Sold in the Form of Sheets, Rods, Bars, and Tubes.
Claims use since Apr. 25, 1901.

Ser. No. 188,421. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE KOPPERS COMPANY, Pittsburgh, Pa. Filed Nov. 16, 1923.

KOPPERS CHICAGO COKE

No claim is made to the exclusive right to use the word "Coke" or the word "Chicago" except as shown on the accompanying drawing of the trade-mark "Koppers Chicago Coke."
Particular description of goods.—Coke.
Claims use since Oct. 20, 1923.

Ser. No. 188,430. (CLASS 5. ADHESIVES.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.

RESEARCH

Particular description of goods.—Iron Cement, Tire Tape, Shellac for Gaskets and Bicycle Rims, and Soldering Paste.
Claims use since Feb. 25, 1922, on iron cement; since May 6, 1922, on tire tape; since Mar. 31, 1922, on soldering paste; since Sept. 20, 1921, on shellac.

Ser. No. 188,431. (CLASS 5. ADHESIVES.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.



Particular description of goods.—Iron Cement, Tire Tape, Shellac for Gaskets and Bicycle Rims, and Soldering Paste.
Claims use since Feb. 25, 1922, on iron cement; since May 6, 1922, on tire tape; since Mar. 31, 1922, on soldering paste; since Sept. 20, 1921, on shellac.

Ser. No. 188,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE GUERLAIN, Paris, France. Filed Nov. 16, 1923.

CHAMPS-ELYSÉES

Particular description of goods.—Perfumery.
Claims use since 1914.

Ser. No. 188,474. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOS. FLASHNER, doing business as Hirsch & Flashner, New York, N. Y. Filed Nov. 17, 1923.

RAMLE

Particular description of goods.—Watches.
Claims use since on or about Sept. 1, 1923.

Ser. No. 188,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHOOT CHOCOLATE CO., Cleveland, Ohio. Filed Nov. 17, 1923.

SILVER QUEEN

Particular description of goods.—Candy.
Claims use since Oct. 25, 1923.

Ser. No. 188,510. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN SEED GROWERS MARKETING CO., Salt Lake City, Utah. Filed Nov. 17, 1923.



Particular description of goods.—Alfalfa, Red Clover, Alsike Clover, White Clover, and Sweet-Clover Seeds.
Claims use since July 1, 1923.

Ser. No. 188,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. D. WHITE & CO., Wilkes-Barre, Pa. Filed Nov. 17, 1923.

PEACOCK'S
OIL OF JOY

Particular description of goods.—Remedies for External and Internal Use for the Treatment of Rheumatism, Neuralgia, Earache, Salt Rheum, Burns, Scalds, Pains in the Head, Side, and Back; Sprains, Bruises, Tumors, Varicose Veins, Lame Backs, Corns, Mosquito and Other Insect Bites.
Claims use since on or about 1866.

Ser. No. 188,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H-A-S COFFEE COMPANY, St. Louis, Mo. Filed Nov. 19, 1923.

GOLDEN AGE

Particular description of goods.—Coffee.
Claims use since Feb. 19, 1923.

Ser. No. 188,594. (CLASS 39. CLOTHING.) BESSIE KLAPPERT, doing business as Convertible Knicker Garment Co., New York, N. Y. Filed Nov. 20, 1923.



Particular description of goods.—Clothing for Women and Girls—Namely, Skirts, Knickers, and Dresses.
Claims use since about Nov. 1, 1923.

Ser. No. 188,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SOUTH MOUNTAIN HENNERY COMPANY, Middletown, Md. Filed Nov. 20, 1923.

BLUE MIST

Particular description of goods.—Remedy for Poultry Diseases and for the Elimination of Vermin.
Claims use since Oct. 1, 1923.

Ser. No. 188,610. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PHOENIX HERMETIC COMPANY, Chicago, Ill., and Brooklyn, N. Y. Filed Nov. 20, 1923.

CAPITOL CAP

No claim is made to the descriptive word "Cap" aside from the combinative use.
Particular description of goods.—Bottle and Jar Closures, or Caps.
Claims use since Oct. 24, 1923.

Ser. No. 188,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIO GRANDE VALLEY DAIRY ASSOCIATION, El Paso, Tex. Filed Nov. 21, 1923.

Fairy

Particular description of goods.—Milk.
Claims use since Aug. 1, 1923.

Ser. No. 188,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIO GRANDE VALLEY DAIRY ASSOCIATION, El Paso, Tex. Filed Nov. 21, 1923.



Particular description of goods.—Milk, Buttermilk, Cream, and Creamed Cottage Cheese.
Claims use since Jan. 1, 1923.

Ser. No. 188,645. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SAMUEL P. STORY, doing business as Ded-E-Zee Cleaner Company, Cairo, Ill. Filed Nov. 21, 1923.

DED-E-ZEE

Particular description of goods.—Combined Cleaning and Polishing Preparation.
Claims use since Oct. 1, 1923.

Ser. No. 188,649. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE WILSON FASTENER COMPANY, Cleveland, Ohio. Filed Nov. 21, 1923.

WILSNAP

Particular description of goods.—Lingerie Clasps.
Claims use since Nov. 10, 1923.

Ser. No. 188,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Nov 22, 1923.

Peridore

"Peridore."
Particular description of goods.—Face Powder, Perfume, and Rouge.
Claims use since Nov. 1, 1923.

Ser. No. 188,656. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CYCLONE FENCE COMPANY, North Chicago, Ill. Filed Nov. 22, 1923.

Red Tag

Particular description of goods.—Ornamental Lawn Fence and Gates, Chain-Link Industrial Fence, Flower-Bed Borders, Trellis, Arches, Farm Gates, Window and Skylight Guards, and Wire Partitions.
Claims use since June 1, 1918.

Ser. No. 188,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCHALK CHEMICAL COMPANY, Los Angeles, Calif. Filed Nov. 22, 1923.

EXIT

Particular description of goods.—Compound for Cleaning Drains and Drain Pipes.
Claims use since Sept. 15, 1923.

Ser. No. 188,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. THOMPSON, INC., Seattle, Wash. Filed Nov. 22, 1923.



Particular description of goods.—Candy.
Claims use since Sept. 15, 1919.

Ser. No. 188,721. (CLASS 37. PAPER AND STATIONERY.) LEMUEL A. WATKINS, Boston, Mass. Filed Nov. 22, 1923.

Jel-o-pad

Particular description of goods.—Memorandum Sheets in Loose or Pad Form.
Claims use since Nov. 1, 1923.

Ser. No. 188,722. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif. Filed Nov. 22, 1923.

WELCO

Particular description of goods.—Wallets for Personal Use.
Claims use since January, 1919.

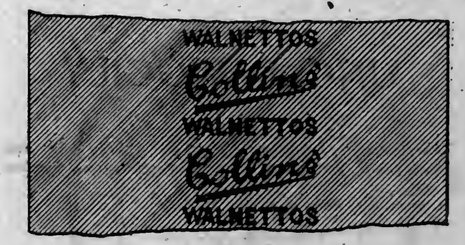
Ser. No. 188,735. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AUGUST ANDERSON, doing business as Anderson Furnace Co., Chicago, Ill. Filed Nov. 23, 1923.

VIKING

SUPER-HEATER

No claim is made to the word "Superheater" apart from the trade-mark as shown.
Particular description of goods.—Hard Coal, Soft Coal, Coke, or Wood Burning Furnaces.
Claims use since July 25, 1923.

Ser. No. 188,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. N. COLLINS COMPANY, Minneapolis, Minn. Filed Nov. 23, 1923.



Particular description of goods.—Candies.
Claims use since Jan. 2, 1922.

Ser. No. 188,749. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OSKAR EISENKRAMER, doing business as The International Manufacturers Agency, New York, N. Y. Filed Nov. 23, 1923.

PURITEX

Particular description of goods.—Sanitary Napkins, Sanitary Aprons, and Sanitary Step-Ins.
Claims use since Sept. 28, 1923.

Ser. No. 188,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NIAGARA ALKALI COMPANY, Niagara Falls, N. Y. Filed Nov. 23, 1923.

PARA

Particular description of goods.—Insecticides, Disinfectants, and Deodorants.
Claims use since Nov. 14, 1923.

Ser. No. 188,862. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PHOTO IMPROVEMENTS INC., New York, N. Y. Filed Nov. 24, 1923.

COLORSCOPE

Particular description of goods.—Light Screens, Color Screens, Light Transmitting and Reflecting Devices, Troughs and Containers for Light-Transmitting Liquids, Copyholders, and Modified Light Sources, All for Use with Photographic Apparatus.
Claims use since Nov. 15, 1923.

Ser. No. 188,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT I. BIGLEY, Mifflintown, Pa. Filed Nov. 26, 1923.

Erb Eye Opener

Particular description of goods.—Herb Remedies for the Treatment of Membrane Croup, Cramps, Coughs, Yellow Jaundice, Dropsy, Fevers, Tapeworms, Scrofula, Influenza, All Blood Diseases, Rheumatism, and Cancer.
Claims use since Nov. 4, 1923.

Ser. No. 188,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CASSIDY CANDY COMPANY, Altoona, Pa. Filed Nov. 26, 1923.

PENN-ALTO

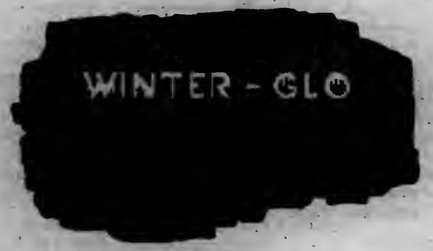
Particular description of goods.—Candy.
Claims use since October, 1921.

Ser. No. 188,909. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INDIANAPOLIS PUMP AND TUBE CO., Indianapolis, Ind. Filed Nov. 26, 1923.



The words "Heater" and "Products" and the representation of the heater are hereby disclaimed as a part of the mark as shown.
Particular description of goods.—Vehicle Exhaust Heater.
Claims use since July 15, 1923.

Ser. No. 188,911. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KNOX CONSOLIDATED COAL COMPANY, Indianapolis, Ind. Filed Nov. 26, 1923.



In accompanying drawing the shading forming the background for the name "Winter Glo" indicates the color red. For purposes of registration and without waiving common-law rights, the phrase "Certified by the Producer" and the representation of a lump of coal are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Coal.
Claims use since July 1, 1923.

Ser. No. 188,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL LESLIE, doing business as General Utilities Co., Los Angeles, Calif. Filed Nov. 26, 1923.

Classic

Particular description of goods.—Face Creams, Massage Creams, Perfumes, Sachets, Toilet Waters, Bath Salts, Smelling Salts, Talcum Powder, Tooth Paste, Tooth Wash, Lip Stick, Rouge; Bandoline, Liquid and Solid; Shampoo, Hair Tonic, Incense.
Claims use since Sept. 1, 1923.

Ser. No. 188,921. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LESLIE MILLER, doing business as United Paint Co., Los Angeles, Calif. Filed Nov. 26, 1923.

ROOFTIGHT

Particular description of goods.—Dry, Paste, and Ready-Mixed Paint.
Claims use since May, 1923.

Ser. No. 188,942. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAY B. WHITE, also doing business as Barrel Inn, Glendale, Calif. Filed Nov. 26, 1923.

BARREL INN



Particular description of goods.—Beverages—Namely, Orange Juice, Grape Juice, Cider Punch.
Claims use since September, 1923.

Ser. No. 188,943. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CALIFORNIA BOTTLING ASSOCIATION, San Francisco, Calif. Filed Nov. 27, 1923.

CALBOA

Particular description of goods.—Table Water.
Claims use since Aug. 1, 1923.

Ser. No. 188,979. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE UNION RUBBER COMPANY, Zelienople, Pa. Filed Nov. 27, 1923.

ZEV

Particular description of goods.—Automobile Rubber Tires and Tubes of Rubber, Fabric, and Combinations of the Same.
Claims use since Nov. 22, 1923.

Ser. No. 188,981. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed Nov. 27, 1923.

UNCLE WIGGILY

Particular description of goods.—China Sets and China Vases, Picture Plaques, Flowerpots, and Serving Trays.
Claims use since Nov. 15, 1923.

Ser. No. 188,982. (CLASS 37. PAPER AND STATIONERY.) YELLOW PINE PAPER MILL COMPANY, Orange, Tex. Filed Nov. 27, 1923.



The orange is lined for the color orange except the words "Orange Kraft," which appear thereon.
Particular description of goods.—Wrapping Paper.
Claims use since Nov. 15, 1923.

Ser. No. 188,990. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DEUTSCH BROTHERS, New York, N. Y. Filed Nov. 28, 1923.

TRAVEL MATE

Particular description of goods.—Traveling Bags and Cases and Suitcases.
Claims use since Mar. 1, 1923.

Ser. No. 189,031. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BRITTON AUTO EQUIPMENT CO., New York, N. Y. Filed Nov. 30, 1923.



Particular description of goods.—Automobile Mirrors.
Claims use since March, 1921.

Ser. No. 189,032. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BRITTON AUTO EQUIPMENT CO., New York, N. Y. Filed Nov. 30, 1923.

THE *Chief*

Particular description of goods.—Automobile Mirrors.
Claims use since March, 1921.

Ser. No. 189,049. (CLASS 12. CONSTRUCTION MATERIALS.) THE GYPSOLITE COMPANY, Batavia, N. Y. Filed Nov. 30, 1923.

GYPSOLITE

Particular description of goods.—Wall Board, Plaster Board, and Plaster.
Claims use since Feb. 8, 1923.

Ser. No. 189,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON COUNTY COMPANY, Boston, Mass., and Dennysville, Me. Filed Nov. 30, 1923.

Aunty's

Particular description of goods.—Fresh and Canned Blueberries.
Claims use since Aug. 3, 1923.

Ser. No. 189,082. (CLASS 37. PAPER AND STATIONERY.) WAX-WRAP PAPER COMPANY OF TEXAS, Dallas, Tex. Filed Nov. 30, 1923.

WWPC

Particular description of goods.—Waxed Wrapping Paper.
Claims use since Aug. 1, 1923.

Ser. No. 189,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM ALLISON, doing business as Albro Laboratories, Bronx, N. Y. Filed Dec. 1, 1923.

ALBRO Products

No claim made for the word "Products" apart from the mark shown by the drawing.
Particular description of goods.—Hair Tonic, Dandruff Remover, Cough Sirup, Laxative Sirup; a Preparation for the Treatment of Obstinate Coughs, Hoarseness, Bronchitis, and All Pulmonary Complaints; a Throat Mixture for the Treatment of Sore Throat; a Mouth Wash; a Preparation for the Treatment of Dyspepsia, Indigestion, Wind Colic, Etc.; a Preparation for the Treatment of Chronic and Inflammatory Rheumatism, Painful Affections of the Bones, Sciatica, and Neuralgia; a Menthol Liniment, Liver Pills, a Corn Remover, a Wart Remover, a Healing Ointment, an Ointment for Treating Eruptions and Irritations of the Skin, a Mustard Cream, Cold Cream, Baby Paste for the Treatment of Chafing Babies; a Drawing Salve for the Treatment of Boils, Carbuncles, Pimples, Etc.; a Preparation for the Treatment of Constipation, Headaches, Biliousness, Coated Tongue, and Stomach, Bowel, and Liver Complaints; Headache and Neuralgia Powders; and a Preparation for the Treatment of Chapped Hands, Face, and Lips and for the Removal of Freckles, Tan, and Sunburn.
Claims use since January, 1916.

Ser. No. 189,104. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOX VALLEY CANNING COMPANY, Hortonville, Wis. Filed Dec. 1, 1923.

SILVER FOX

Particular description of goods.—Canned Peas, Canned Beans, Canned Kraut.
Claims use since Aug. 1, 1922.

Ser. No. 189,126. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS W. HAFT & BROS. INC., New York, N. Y. Filed Dec. 1, 1923.

MAH-JONG

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 10, 1923.

Ser. No. 189,158. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEBRON ROLLER MILLS, Hebron, N. Dak. Filed Dec. 3, 1923.

Dakota Gold

Particular description of goods.—Wheat Flour.
Claims use since Nov. 1, 1923.

Ser. No. 189,244. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GEORGE FRANKE SONS COMPANY, Baltimore, Md. Filed Dec. 5, 1923.

TINSELITES

Particular description of goods.—Christmas-Tree Ornaments and Tinsel Christmas-Tree-Light Reflectors.
Claims use since May, 1923.

Ser. No. 189,246. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GEORGE FRANKE SONS COMPANY, Baltimore, Md. Filed Dec. 5, 1923.

Franke Quality

No claim is made to the word "Quality" apart from the mark shown on the drawing.
Particular description of goods.—Christmas-Tree Ornaments—Namely, Light Shades and Electric Shades for Christmas-Tree Purposes, Tinsel, Christmas-Tree-Light Reflectors, Tinsel Garlands, and Nut Cups.
Claims use since Nov. 20, 1923.

Ser. No. 189,299. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland. Filed Dec. 6, 1923.

MATINAL

Particular description of goods.—Dietetical Biscuit.
Claims use since Sept. 26, 1923.

Ser. No. 189,366. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY DISTRICT ORANGE CO., Lindsay, Calif. Filed Dec. 7, 1923.

National Park

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 9, 1923.

Ser. No. 189,386. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JAMES H. BOYE MANUFACTURING CO., Chicago, Ill. Filed Dec. 8, 1923.

BOYEMACO

Particular description of goods.—Curtain Fixtures.
Claims use since Nov. 1, 1922.

Ser. No. 189,389. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 8, 1923.

BlueBird

Particular description of goods.—Maltless Beverage Flavors and Beverages Made Therefrom.
Claims use since Nov. 1, 1923.

Ser. No. 189,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN J. NORTON, Laurel, Md. Filed Dec. 11, 1923.



Particular description of goods.—Medicinal Oil Used in the Treatment of Cuts, Bruises, Burns, and as Rub After Exercises.
Claims use since September, 1908.

Ser. No. 189,587. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SCHONEBERGER & NOBLE, INC., New York, N. Y. Filed Dec. 12, 1923. Under ten-year proviso.

DR. BROWN'S

Consists of the words "Dr. Brown's."
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages, Sold as Soft Drinks—Namely Ginger Ale, Sarsaparilla, Celery, Lemon Soda, and Cream Soda.
Claims use since 1886.

Ser. No. 189,591. (CLASS 45. BEVERAGES, NON ALCOHOLIC.) SOUTHWESTERN COCA-COLA BOTTLING CO., Deming, N. Mex. Filed Dec. 12, 1923.

OLD MONK

Particular description of goods.—Ginger Ale, Orange, Lemon, Lime, and Punch, All Being Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Nov. 1, 1923.

Ser. No. 189,613. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 13, 1923.

NO-RIVL

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Oct. 26, 1923.

Ser. No. 189,614. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Dec. 13, 1923.

NUNXL

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Oct. 26, 1923.

Ser. No. 189,623. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ITALIAN BED SPREAD CO., INC., New York, N. Y. Filed Dec. 13, 1923.

MORINO

Particular description of goods.—Cotton Bedspreads.
Claims use since Sept. 12, 1923.

Ser. No. 189,681. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Dec. 14, 1923.

Suzanne

Particular description of goods.—Textile Fabrics Consisting of Cotton Goods, Cotton and Silk Mixtures, and Silk Goods.
Claims use since July 1, 1908.

Ser. No. 189,686. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE J. M. NEY COMPANY, Hartford, Conn. Filed Dec. 14, 1923.

Tech-Aloy

The word "Alloy" is disclaimed apart from the mark as shown.
Particular description of goods.—Amalgam Alloy for Inlay Models.
Claims use since Dec. 6, 1923.

Ser. No. 189,690. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE RIESER COMPANY, INC., New York, N. Y. Filed Dec. 14, 1923.

Fina

Particular description of goods.—Hair Nets.
Claims use since Nov. 1, 1923.

Ser. No. 189,709. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) EMMA BOWERMAN, New York, N. Y. Filed Dec. 15, 1923.

ASH-BESTO TRAY

No claim is made specifically to the word "Tray."
Particular description of goods.—Ash Receivers and Trays.
Claims use since Nov. 24, 1923.

Ser. No. 189,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLOYD R. PERKINS, Chicago, Ill., assignor to Charles Miller, Chicago, Ill. Filed Dec. 15, 1923.

FILMKOAT

Particular description of goods.—Hair Dye.
Claims use since Dec. 12, 1923.

Ser. No. 189,778. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed Dec. 17, 1923.

CHECKER

Particular description of goods.—Gasoline, Motor Oils, Distillate, Kerosene, Fuel Oil, and Stove Oil.
Claims use since January, 1923.

Ser. No. 189,782. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN HILGERS, doing business as Prynolis Company, Binghamton, N. Y. Filed Dec. 17, 1923.

Prynolis

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Shampoos, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Dec. 3, 1923.

Ser. No. 189,839. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUSTIN W. BENDER, Sr., doing business as The Pecmint Company, Buffalo, N. Y. Filed Dec. 18, 1923.

PECMINT

Particular description of goods.—Rubefacient or Counterirritant Salve or Ointment.
Claims use since Nov. 1, 1923.

Ser. No. 189,844. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DEBEVOISE COMPANY, Brooklyn, N. Y. Filed Dec. 18, 1923.

CHARACTER

Particular description of goods.—Paste Paints, Ready-Mixed Paints, and Enamels in the Nature of Paint.
Claims use since about October, 1921.

Ser. No. 189,873. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) C. E. VAN LANDINGHAM, doing business as C. E. Van Landingham Co., Los Angeles, Calif. Filed Dec. 18, 1923.

ALOHA

Particular description of goods.—Hawaiian Grape Juice.
Claims use since July 1, 1923.

Ser. No. 189,922. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS J. STERN, doing business as Novopin Company, New York, N. Y. Filed Dec. 19, 1923.

KARMA

Particular description of goods.—Depilatory.
Claims use since 1912.

Ser. No. 189,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIKE UBS, Elgin, Nebr. Filed Dec. 19, 1923.



The mark is a portrait of applicant.
Particular description of goods.—Liquid for Use in the Preparation of Plasters to be Used in the Treatment of Stiff Muscles and Joints and a Liniment to be Used in the Treatment of Stiff Joints and of Broken Veins.
Claims use since Nov. 23, 1923.

Ser. No. 189,957. (CLASS 2. RECEPTACLES.) VICKERS LIMITED, Sheffield and London, England. Filed Dec. 20, 1923.

PERFEX

Particular description of goods.—Folded or Foldable Cartons, Boxes, and Like Containers Manufactured from Cardboard, Strawboard, Millboard, Pasteboard, Stout Paper, and Like Materials.
Claims use since about November, 1922.

Ser. No. 190,081. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FREDERICK C. MENSING, New York, N. Y., assignor to J. D. Moeller, New York, N. Y. Filed Dec. 24, 1923.

Theatis

Particular description of goods.—Binoculars, Opera Glasses, and Field Glasses.
Claims use since Dec. 1, 1923.

Ser. No. 190,082. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FREDERICK C. MENSING, New York, N. Y., assignor to J. D. Moeller, New York, N. Y. Filed Dec. 24, 1923.

Wedel

Particular description of goods.—Binoculars, Opera Glasses, and Field Glasses.
Claims use since Dec. 1, 1923.

Ser. No. 190,083. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FREDERICK C. MENSING, New York, N. Y., assignor to J. D. Moeller, New York, N. Y. Filed Dec. 24, 1923.

Tourix

Particular description of goods.—Binoculars, Opera Glasses, and Field Glasses.
Claims use since Dec. 1, 1923.

Ser. No. 190,102. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

LAKE-WOOD

Particular description of goods.—Prepared Liquid Paint.
Claims use since 1909.

Ser. No. 190,103. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

EL-MO

Particular description of goods.—Prepared Liquid Paint.
Claims use since May 1, 1907.

Ser. No. 190,105. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

SILVERINE

Particular description of goods.—Metallic Enamel Paint.
Claims use since Sept. 7, 1916.

Ser. No. 190,106. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

BLACK-O-LENE

Particular description of goods.—Enamel Paint for Metals.
Claims use since June 1, 1902.

Ser. No. 190,125. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Dec. 26, 1923.

PLASTAPRIME

Particular description of goods.—Ready-Mixed Paints.
Claims use since Aug. 15, 1923.

Ser. No. 190,126. (CLASS 15. OILS AND GREASES.) PETROLEUM PRODUCTS CO., San Francisco, Calif. Filed Dec. 26, 1923.

BLUE STAR

Particular description of goods.—Benzine; Motor Spirit, a Volatile Fuel Composition Derived from Petroleum; Gasoline, Kerosene, Lubricating Oils and Greases.
Claims use since Nov. 15, 1923.

Ser. No. 190,177. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo. Filed Dec. 27, 1923.

Elmo

Particular description of goods.—Paint and Varnish Remover.
Claims use since Jan. 1, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 12, 1924.

179,425. SOLDERING PASTE OR FLUX. CARTTER WEAVER, doing business as Weaver Specialty Company, Pittsburgh, Pa.
Filed July 30, 1923. Serial No. 183,868. PUBLISHED NOVEMBER 20, 1923.

179,426. SHEET-METAL GASOLINE STOVES FOR USE BY CAMPERS. KREMER METAL PRODUCTS CO., Chicago, Ill.
Filed July 16, 1923. Serial No. 183,303. PUBLISHED NOVEMBER 27, 1923.

179,427. SOFT DRINKS AND SIRUPS. UNITED BEVERAGE PRODUCTS COMPANY, Chicago, Ill.
Filed July 26, 1923. Serial No. 183,726. PUBLISHED NOVEMBER 20, 1923.

179,428. APRONS, SKIRTS, AND ROMPERS. MILLER & CANARY, Green Island, N. Y.
Filed July 27, 1923. Serial No. 183,753. PUBLISHED NOVEMBER 20, 1923.

179,429. SUITS AND OVERCOATS FOR CHILDREN AND MEN. BETTMANN-KLEINHAUSER CLOTHING COMPANY, St. Louis, Mo.
Filed July 28, 1923. Serial No. 183,792. PUBLISHED NOVEMBER 20, 1923.

179,430. INSTRUCTION BOOKS. CLARENCE P. BOALS, doing business as The Americanese Society of New York, Buffalo, N. Y.
Filed July 28, 1923. Serial No. 183,793. PUBLISHED NOVEMBER 20, 1923.

179,431. MEN'S NECKTIES. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed August 14, 1923. Serial No. 184,440. PUBLISHED NOVEMBER 20, 1923.

179,432. CIGARETTES AND SMOKING TOBACCO. A. COULAPIDES, INC., New York, N. Y.
Filed August 13, 1923. Serial No. 184,392. PUBLISHED NOVEMBER 20, 1923.

179,433. DAILY PUBLICATION. JOHN L. FRAZIER, Washington, D. C.
Filed August 6, 1923. Serial No. 184,129. PUBLISHED NOVEMBER 20, 1923.

179,434. WATERPROOF DUCK AND TARPAULINS. FULTON BAG & COTTON MILLS, Atlanta, Ga.
Filed August 16, 1923. Serial No. 184,545. PUBLISHED NOVEMBER 20, 1923.

179,435. CIGARS. MARCELINO PEREZ & COMPANY, New York, N. Y.
Filed August 18, 1923. Serial No. 184,681. PUBLISHED NOVEMBER 20, 1923.

179,436. OVERALLS; MEN'S WORK CLOTHING. WILHOITE, EVANS & COHN INC., Los Angeles, Calif.
Filed August 22, 1923. Serial No. 184,882. PUBLISHED NOVEMBER 20, 1923.

179,437. LADIES', MISSES', AND CHILDREN'S UNDERGARMENTS AND NIGHTGOWNS OF KNITTED OR TEXTILE FABRIC. WORTH WHILE GARMENT CO., Hicksville, Ohio.
Filed August 18, 1923. Serial No. 184,701. PUBLISHED NOVEMBER 20, 1923.

179,438. CIGARS. MARCELINO PEREZ & COMPANY, New York, N. Y.
Filed August 18, 1923. Serial No. 184,683. PUBLISHED NOVEMBER 20, 1923.

179,439. CIGARS. MARCELINO PEREZ & COMPANY, New York, N. Y.
Filed August 18, 1923. Serial No. 184,682. PUBLISHED NOVEMBER 20, 1923.

179,440. CAPS, SWEATERS, AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN—NAMELY, KNIT AND CUT AND SEWED UNDERWEAR. MCLOUGHLIN TEXTILE CORPORATION, Utica, N. Y.
Filed August 29, 1923. Serial No. 185,126. PUBLISHED NOVEMBER 20, 1923.

179,441. CIGARS, CIGARETTES, AND SMOKING TOBACCO. JACOB KOPPEL, New York, N. Y.
Filed August 29, 1923. Serial No. 185,125. PUBLISHED NOVEMBER 20, 1923.

179,442. CERTAIN NAMED CLOTHING. KORN BROS., New York, N. Y.
Filed September 5, 1923. Serial No. 185,342. PUBLISHED NOVEMBER 20, 1923.

179,443. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO. INC., New York, N. Y.
Filed September 4, 1923. Serial No. 185,290. PUBLISHED NOVEMBER 20, 1923.

179,444. NOVELIZED ORIGINAL PHOTOPLAY STORIES PUBLISHED FROM TIME TO TIME. GEORGE D. SWARTZ, New York, N. Y.
Filed August 29, 1923. Serial No. 185,162. PUBLISHED NOVEMBER 20, 1923.

179,445. CONFECTIONERY—NAMELY, CHOCOLATE AND ORCHARD CANDIES (CRYSTALLIZED-FRUIT CANDIES). PEEK, FREAN AND COMPANY, LIMITED, London, England.
Filed August 31, 1922. Serial No. 168,937. PUBLISHED DECEMBER 4, 1923.

179,446. OATS FOR USE AS STOCK FEED. EMBRY E. ANDERSON, Memphis, Tenn.
Filed February 10, 1923. Serial No. 175,835. PUBLISHED NOVEMBER 20, 1923.

179,447. CAKE. PURITY CAKE COMPANY, Chicago, Ill.
Filed January 27, 1923. Serial No. 175,212. PUBLISHED NOVEMBER 20, 1923.

179,448. MAYONNAISE SALAD DRESSING AND THOUSAND ISLAND SALAD DRESSING. IRA HAVEN RAGSDALE, doing business as Mrs. Ragsdale, Incorporated, San Antonio, Tex.
Filed February 19, 1923. Serial No. 176,282. PUBLISHED NOVEMBER 27, 1923.

179,449. BREAD. HOCHMAN & WERTHEIM, Brooklyn, N. Y.
Filed February 15, 1923. Serial No. 176,079. PUBLISHED NOVEMBER 20, 1923.

179,450. OATS FOR USE AS STOCK FEED. EMBRY E. ANDERSON, Memphis, Tenn.
Filed February 10, 1923. Serial No. 175,837. PUBLISHED NOVEMBER 20, 1923.

179,451. CHEESE. J. L. KRAFT & BROS. CO., Chicago, Ill.
Filed March 19, 1923. Serial No. 177,678. PUBLISHED NOVEMBER 20, 1923.

179,452. KNIVES, RAZORS, SCISSORS, CLIPPERS, ETC. NATHENBERG-STRAUSS IMPORTING CO., Chicago, Ill.
Filed March 12, 1923. Serial No. 177,316. PUBLISHED AUGUST 7, 1923.

179,453. CHEESE. FELIX M. FREDERIKSEN, Little Falls, N. Y.
Filed February 28, 1923. Serial No. 176,735. PUBLISHED SEPTEMBER 4, 1923.

179,454. OLEOMARGARINE. TROCO NUT BUTTER CO., Chicago, Ill.
Filed April 7 1923. Serial No. 178,782. PUBLISHED NOVEMBER 20, 1923.

179,455. CEREAL FOOD PRODUCT. PERFECTION PRODUCTS COMPANY, New York, N. Y.
Filed March 24, 1923. Serial No. 177,989. PUBLISHED NOVEMBER 20, 1923.

179,456. PLAIN WHEAT FLOUR AND SELF-RISING WHEAT FLOUR. FARMERS MILLING CO. INC., Weyers Cave, Va.
Filed March 24, 1923. Serial No. 177,965. PUBLISHED NOVEMBER 20, 1923.

179,457. SOFT DRINKS AND SIRUPS. NATIONAL CHEMICAL PRODUCTS CO. INC., Union, N. J.
Filed April 16, 1923. Serial No. 179,215. PUBLISHED NOVEMBER 27, 1923.

179,458. CHEESE. C. PERCEVAL, New York, N. Y.
Filed April 9 1923. Serial No. 178,865. PUBLISHED NOVEMBER 20, 1923.

179,459. STOCK AND POULTRY FEEDS AND MASHES. UNIVERSAL MILLS, Fort Worth, Tex.
Filed May 2, 1923. Serial No. 180,090. PUBLISHED NOVEMBER 20, 1923.

179,460. STOCK AND POULTRY FEEDS AND MASHES. UNIVERSAL MILLS, Fort Worth, Tex.
Filed May 2, 1923. Serial No. 180,089. PUBLISHED NOVEMBER 20, 1923.

179,461. SHAVING-SOAP CREAM. WM. MCDONAGH & SONS, New York, N. Y.
Filed April 23, 1923. Serial No. 179,673. PUBLISHED NOVEMBER 20, 1923.

179,462. ART NEEDLEWORK—NAMELY, TEXTILE FABRICS WHICH HAVE BEEN STAMPED READY FOR EMBROIDERY. SOUTHERN YARN EXCHANGE, Baltimore, Md.
Filed May 25 1923. Serial No. 181,153. PUBLISHED NOVEMBER 20, 1923.

179,463. WHEAT FLOUR. ARCHBOLD-GIGER & CO., Paterson, N. J.
Filed June 11, 1923. Serial No. 181,808. PUBLISHED NOVEMBER 20, 1923.

179,464. SOFT DRINK AND SIRUPS. CORA EMILY CHAPMAN, San Bernardino, Calif.
Filed June 1, 1923. Serial No. 181,484. PUBLISHED NOVEMBER 27, 1923.

179,465. HORSE AND MULE FEED. LOUISVILLE CEREAL MILL COMPANY, Louisville, Ky.
Filed May 28, 1923. Serial No. 181,291. PUBLISHED NOVEMBER 20, 1923.

179,466. PRESERVED CRUSHED FRUITS FOR SODA-FOUNTAIN PURPOSES. THE VIRGINIA DARE COMPANY, Baltimore, Md.
Filed October 11, 1921. Serial No. 154,004. PUBLISHED NOVEMBER 20, 1923.

179,467. AUTOMOBILE BODIES, TOPS, AND WHEELS. EMIL W. ERDMANN, St. Louis, Mo.
Filed October 12, 1921. Serial No. 154,016. PUBLISHED NOVEMBER 20, 1923.

179,468. RICE. SEABOARD RICE MILLING CO., Galveston, Tex.
Filed December 12, 1921. Serial No. 156,603. PUBLISHED NOVEMBER 20, 1923.

179,469. BREAD. MACKECHNIE BREAD COMPANY, Los Angeles, Calif.
Filed November 30, 1921. Serial No. 156,097. PUBLISHED NOVEMBER 20, 1923.

179,470. BUTTER. HENRY N. BRAWNER, Jr., doing business as Chestnut Farms Dairy, Washington, D. C.
Filed March 28, 1922. Serial No. 161,348. PUBLISHED NOVEMBER 20, 1923.

179,471. PORK AND BEANS AND CANNED CONCENTRATED STRAINED TOMATOES. EDWARD V. STOCKHAM INC., Havre de Grace, Md.
Filed January 31, 1922. Serial No. 158,689. PUBLISHED JULY 3, 1923.

179,472. BREAD. WILLIAM P. M. GERLACK, St. Paul, Minn.
Filed April 24, 1922. Serial No. 162,815. PUBLISHED NOVEMBER 20, 1923.

179,473. WHEAT FLOUR. LEVENSON, SHEVELOVE CO., INC., Newark, N. J.
Filed April 8, 1922. Serial No. 161,929. PUBLISHED NOVEMBER 20, 1923.

179,474. CERTAIN NAMED FOOD PRODUCTS. ALLIED PACKERS, INCORPORATED, Chicago, Ill.
Filed May 4, 1922. Serial No. 163,309. PUBLISHED NOVEMBER 20, 1923.

179,475. NUT BUTTER. E. F. DREW & CO., INC., doing business in Boston, Mass., as J. A. Morse, New York, N. Y.
Filed May 10, 1922. Serial No. 163,617. PUBLISHED NOVEMBER 20, 1923.

179,476. EGG MASH, CHICK STARTER AND BABY-CHICK FEED, SCRATCH FEED, CATTLE FATTENER, HOG FEED, DAIRY FEED, ALFALFA-MOLASSES FEED, MOLASSES FEED, HORSE AND MULE FEED, AND FLOUR. MISSOURI FARMERS' ASSOCIATION, Columbia, Mo.
Filed January 22, 1923. Serial No. 174,911. PUBLISHED NOVEMBER 20, 1923.

179,477. BAGGAGE CARRIER FOR AUTOMOBILES. LEATHER MAT MANUFACTURING CO., INC., San Francisco, Calif.
Filed September 27, 1922. Serial No. 169,978. PUBLISHED NOVEMBER 20, 1923.

179,478. BUTTER AND CHEESE. THE NEW ZEALAND CO-OPERATIVE DAIRY COMPANY LIMITED, Hamilton, New Zealand.
Filed August 16, 1922. Serial No. 168,335. PUBLISHED NOVEMBER 20, 1923.

179,479. SOAP. RICHARD HUDNUT, New York, N. Y.
Filed July 31, 1923. Serial No. 183,880. PUBLISHED NOVEMBER 20, 1923.

179,480. LUTING COMPOSITION. FRANK R. SCHULZ, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,859. PUBLISHED NOVEMBER 20, 1923.

179,481. A PREPARED TEXTILE STOVE POLISHER. KATE CARPENTER RAWLES, Fernley, Nev.
Filed July 17. 1923. Serial No. 183,548. PUBLISHED NOVEMBER 20, 1923.

179,482. SOFT-DRINK SIRUP. JOHN PAUL JONES, doing business as Pep-So Beverage Company, Fort Morgan, Colo.
Filed August 11, 1923. Serial No. 184,340. PUBLISHED NOVEMBER 27, 1923.

179,483. SWEEPING COMPOUND. MUTUAL OIL COMPANY, Kansas City, Mo.
Filed August 6, 1923. Serial No. 184,141. PUBLISHED NOVEMBER 20, 1923.

179,484. FURNACE CEMENT IN LAYING UP FIRE BRICK AND KINDRED USES. THE S. OBERMAYER CO., Chicago, Ill.
Filed August 4, 1923. Serial No. 184,094. PUBLISHED NOVEMBER 20, 1923.

179,485. ASPHALT. THE UNITED STATES ASPHALT REFINING COMPANY, New York, N. Y.
Filed July 18, 1923. Serial No. 183,425. PUBLISHED NOVEMBER 20, 1923.

179,486. BRICKS. F. GRAHAM WILLIAMS BRICK CO. INC., Atlanta, Ga.
Filed September 2, 1922. Serial No. 169,044. PUBLISHED NOVEMBER 20, 1923.

179,487. PETROLEUM OIL USED AS A FINISHING OIL, PARTICULARLY FOR LEATHER. VACUUM OIL COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,294. PUBLISHED NOVEMBER 20, 1923.

179,488. FRESH CITROUS FRUITS. DE LAND CITRUS GROWERS ASSN., De Land, Fla.
Filed December 4, 1922. Serial No. 172,863. PUBLISHED DECEMBER 4. 1923.

179,489. DIAPER CLOTH IN THE PIECE. THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 11, 1922. Serial No. 171,854. PUBLISHED DECEMBER 4, 1923.

179,490. COTTON PIECE GOODS. EDWIN E. BERLINER & CO., New York, N. Y.
Filed November 1, 1922. Serial No. 171,444. PUBLISHED NOVEMBER 13, 1923.

179,491. PELTS. HENRY ROSENBERG, New York, N. Y.
Filed December 12, 1922. Serial No. 173,248. PUBLISHED NOVEMBER 20, 1923.

179,492. COTTON PIECE GOODS. EVERETT, HEANEY & CO. INC., New York, N. Y.
Filed December 11, 1922. Serial No. 173,182. PUBLISHED DECEMBER 4, 1923.

179,493. MEN'S WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed January 18, 1923. Serial No. 174,754. PUBLISHED NOVEMBER 20, 1923.

179,494. SOLID RUBBER TIRES, PNEUMATIC RUBBER TIRES, AND TIRES COMPOSED OF RUBBER FABRIC. ABRAHAM GRINBERG, doing business as The Chesterfield Tire and Rubber Co. (not incorporated), Chicago, Ill.
Filed April 21, 1923. Serial No. 179,468. PUBLISHED NOVEMBER 27, 1923.

179,495. MONTHLY PUBLICATION. ORDER OF SCOTTISH CLANS, Boston, Mass.
Filed October 12, 1923. Serial No. 186,924. PUBLISHED NOVEMBER 20, 1923.

179,496. CERTAIN-NAMED NOTIONS. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md.
Filed May 7, 1923. Serial No. 180,262. PUBLISHED NOVEMBER 27, 1923.

179,497. STRAWBERRY PLANTS. R. M. KELLOGG CO., Three Rivers, Mich.
Filed April 28, 1923. Serial No. 179,871. PUBLISHED NOVEMBER 27, 1923.

179,498. STRAWBERRY PLANTS. R. M. KELLOGG CO., Three Rivers, Mich.
Filed April 28, 1923. Serial No. 179,870. PUBLISHED NOVEMBER 27, 1923.

179,499. CONFECTION MADE FROM SUGAR AND NUTS. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed May 28, 1923. Serial No. 181,239. PUBLISHED NOVEMBER 20, 1923.

179,500. MANUFACTURED FURS—NAMELY, SCARFS, MUFFS, COATS, AND WRAPS. A. JABCKEL & CO., New York, N. Y.
Filed June 16, 1923. Serial No. 182,097. PUBLISHED NOVEMBER 27, 1923.

179,501. SPAGHETTI, SPAGHETTI SAUCES, AND CHEESE. PASQUALE ADALBERTO CAPORALE, doing business as Leoncavallo Sauce Company, Philadelphia, Pa.
Filed June 18, 1923. Serial No. 181,938. PUBLISHED NOVEMBER 27, 1923.

179,502. VEGETABLE-FIBER ROPE. WHITLOCK CORDAGE CO., Jersey City, N. J., and New York, N. Y.
Filed June 22, 1923. Serial No. 182,370. PUBLISHED NOVEMBER 27, 1923.

179,503. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL. ADSIT AND RUGG INC., Burlington, Vt.
Filed January 11, 1923. Serial No. 174,421. PUBLISHED NOVEMBER 20, 1923.

179,504. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 18, 1923. Serial No. 182,179. PUBLISHED NOVEMBER 20, 1923.

179,505. DRESS FORMS. THE GUMMED PRODUCTS COMPANY, Troy, Ohio.
Filed June 28, 1923. Serial No. 182,537. PUBLISHED NOVEMBER 27, 1923.

179,506. CLEANING AND POLISHING PREPARATION FOR PIANOS, FURNITURE, WOODWORK, AND OTHER HIGHLY-FINISHED SURFACES. RICHARD A. OAKLEY, doing business as Benn Chemical Co., Philadelphia, Pa.
Filed June 26, 1923. Serial No. 182,481. PUBLISHED NOVEMBER 27, 1923.

179,507. CASINGS, COVERINGS, AND HOLDERS FOR OIL AND GREASE FOR AUTOMOBILE SPRINGS AND AUTOMOBILE PARTS. LUBRI-GAITERS LIMITED, Montreal, Quebec, Canada.
Filed June 25, 1923. Serial No. 182,421. PUBLISHED OCTOBER 23, 1923.

179,508. HEMPEN PUMPS (ALPARGATAS). N. ADOT Y HNO., Buenos Aires, Argentina.
Filed July 9, 1923. Serial No. 182,952. PUBLISHED NOVEMBER 27, 1923.

179,509. ADHESIVE TAPES. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed October 20, 1922. Serial No. 170,971. PUBLISHED NOVEMBER 20, 1923.

179,510. VAGINAL SYRINGES. THE VANT WOUD RUBBER CO., Harrison, N. J.
Filed October 14, 1921. Serial No. 154,099. PUBLISHED MARCH 7, 1922.

179,511. HOSE COMPOSED OF FABRIC AND RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 12, 1918. Serial No. 111,518. PUBLISHED NOVEMBER 27, 1923.

179,512. CANDIES. SOPHIE MAE CANDY CORPORATION, doing business as Sophie Mae, Atlanta, Ga.
Filed May 18, 1922. Serial No. 164,065. PUBLISHED NOVEMBER 27, 1923.

179,513. PEN NAME OR NOM DE PLUME ON NEWSPAPER ARTICLES. NELLITA NAOMI CHOATE, Los Angeles, Calif.
Filed April 10, 1922. Serial No. 161,967. PUBLISHED NOVEMBER 20, 1923.

179,514. WHEAT FLOUR—NAMELY, PANCAKE AND BUCKWHEAT FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 15, 1922. Serial No. 159,337. PUBLISHED NOVEMBER 20, 1923.

179,515. VEHICLE TIRES AND TUBES COMPOSED WHOLLY OR IN PART OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 6, 1923. Serial No. 174,242. PUBLISHED NOVEMBER 27, 1923.

179,516. MONTHLY MAGAZINE SECTION. WILL M. TRAER, Jacksonville, Fla.
Filed December 30, 1922. Serial No. 174,040. PUBLISHED AUGUST 21, 1923.

179,517. CANNED FRUITS AND VEGETABLES. WM. J. DORGAN, doing business as W. J. Dorgan Co., Riverside, Calif.
Filed September 27, 1923. Serial No. 186,271. PUBLISHED NOVEMBER 27, 1923.

179,518. CHOCOLATES. HERSHEY CHOCOLATE COMPANY, Hershey, Pa.
Filed September 25, 1923. Serial No. 186,185. PUBLISHED NOVEMBER 27, 1923.

179,519. COMBS. JULIUS SCHMID, INC., New York, N. Y.
Filed October 6, 1923. Serial No. 186,674. PUBLISHED NOVEMBER 27, 1923.

179,520. READY-MIXED PAINTS. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio.
Filed October 4, 1923. Serial No. 186,553. PUBLISHED NOVEMBER 27, 1923.

179,521. LIQUIDS FOR CLEANING AND POLISHING AUTOMOBILE BODIES, FURNITURE, AND THE LIKE. MOTOR CAR PAINTING & TRIMMING CO., Chicago, Ill.
Filed October 1, 1923. Serial No. 186,441. PUBLISHED NOVEMBER 27, 1923.

179,522. HAIRPINS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed October 1, 1923. Serial No. 186,403. PUBLISHED NOVEMBER 27, 1923.

179,523. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed October 12, 1923. Serial No. 186,936. PUBLISHED NOVEMBER 27, 1923.

179,524. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed October 8, 1923. Serial No. 186,726. PUBLISHED NOVEMBER 27, 1923.

179,525. UNDERWEAR FOR MEN, OTHER THAN KNITTED; DRESS, NEGLIGEE, AND WORK SHIRTS; DUCK, MOLESKIN, LEATHER, AND MACKINAW CLOTHING, SUCH AS SHEEPSKIN-LINED VESTS AND COATS, ALSO PANTS. CARLEY, RICH, COMPANY, Milwaukee, Wis.
Filed February 26, 1923. Serial No. 176,600. PUBLISHED NOVEMBER 27, 1923.

179,526. TANKS FOR CHEMICAL TOILETS, SEPTIC TANKS, SEWAGE-DISPOSAL TANKS, SETTLING BASINS, SEDIMENTATION TANKS, AND STORAGE TANKS FOR VARIOUS PURPOSES. KAUSTINE COMPANY, INC., Buffalo, N. Y.
Filed March 7, 1923. Serial No. 177,086. PUBLISHED NOVEMBER 27, 1923.

179,527. MOTOR-DRIVEN VEHICLES—NAMELY, AUTOMOBILE TAXICABS. YELLOW CAB MANUFACTURING CO., Chicago, Ill.
Filed April 7, 1923. Serial No. 178,794. PUBLISHED NOVEMBER 27, 1923.

179,528. MANICURE SETS. JULIUS RICHTER, doing business as Globe Import Company, New York, N. Y.
Filed March 15, 1923. Serial No. 177,516. PUBLISHED NOVEMBER 27, 1923.

179,529. A MIXTURE OF DRIED CHILI AND SPICES—NAMELY, CANNED CHILI. PABLO BACA G., doing business as La Victoria Packing Co., Los Angeles, Calif.
Filed April 19, 1923. Serial No. 179,349. PUBLISHED NOVEMBER 20, 1923.

179,530. FROZEN CONFECTIONS AND OTHER FOOD PRODUCTS. DELICO PRODUCTS COMPANY, Sheridan, Wyo.
Filed May 11, 1922. Serial No. 163,673. PUBLISHED NOVEMBER 27, 1923.

179,531. SILKS IN THE PIECE. JANSEN & PRETZFELD, INC., New York, N. Y.
Filed May 29, 1922. Serial No. 164,645. PUBLISHED NOVEMBER 13, 1923.

179,532. WOOLEN CLOTHS IN THE PIECE, INTENDED FOR SUITINGS, ETC. S. STEIN & CO., New York, N. Y.
Filed May 24, 1922. Serial No. 164,462. PUBLISHED JUNE 12, 1923.

179,533. SANITARY PROTECTIVE BLOOMER. SOL H. SHONINGER, doing business as The Solvos Company, Chicago, Ill.
Filed May 11, 1922. Serial No. 163,708. PUBLISHED DECEMBER 4, 1923.

179,534. MEN'S OUTER GARMENTS OF CLOTHING—NAMELY, SUITS, COATS, TROUSERS, AND OVERCOATS. HIRSH, WICKWIRE COMPANY, Chicago, Ill.
Filed June 8, 1922. Serial No. 165,192. PUBLISHED DECEMBER 4, 1923.

179,535. GASOLINE, NAPHTHA, BENZENE, KEROSENE, ETC. SPOKANE WYOMING PETROLEUM COMPANY, Lander, Wyo.
Filed June 15, 1922. Serial No. 165,570. PUBLISHED NOVEMBER 27, 1923.

179,536. MEN'S SUITS AND OVERCOATS. FAMOUS TAILORS CORPORATION, Chicago, Ill.
Filed June 14, 1922. Serial No. 165,491. PUBLISHED DECEMBER 4, 1923.

179,537. COFFEE. THE FISHBACK CO., Indianapolis, Ind.
Filed July 10, 1922. Serial No. 166,671. PUBLISHED DECEMBER 4, 1923.

179,538. PELTS OF FUR-BEARING ANIMALS. JOSEPHINE L. ALVORD, Henderson, N. Y.
Filed June 21, 1922. Serial No. 165,776. PUBLISHED DECEMBER 4, 1923.

179,539. COTTONSEED. SAUNDERS LONE STAR SEED CO. INC., Greenville, Tex.
Filed June 23, 1922. Serial No. 165,970. PUBLISHED DECEMBER 4, 1923.

179,540. OUTER DRESS SHIRTS. GEORGE P. IDE & COMPANY, INC., Troy, N. Y.
Filed July 13, 1922. Serial No. 166,832. PUBLISHED NOVEMBER 27, 1923.

179,541. OUTER DRESS SHIRTS. GEORGE P. IDE & COMPANY, INC., Troy, N. Y.
Filed July 13, 1922. Serial No. 166,831. PUBLISHED DECEMBER 4, 1923.

179,542. COTTON PIECE GOODS. WHITWORTH & MITCHELL, LIMITED, Manchester, England.
Filed August 5, 1922. Serial No. 167,859. PUBLISHED NOVEMBER 13, 1923.

179,543. COFFEE. WALTER BENSON LAW, Dunellen, N. J.
Filed July 25, 1922. Serial No. 167,357. PUBLISHED DECEMBER 4, 1923.

179,544. UNDERWEAR—NAMELY, LADIES' SILK UNDERWEAR MADE OF TEXTILE FABRIC. LORIS UNDERGARMENT CO. INC., New York, N. Y.
Filed August 16, 1922. Serial No. 168,322. PUBLISHED NOVEMBER 27, 1923.

179,545. SCREW DRIVERS. TIMOTHY B. POWERS, doing business as Powers Manufacturing Company, New York, N. Y.
Filed August 7, 1922. Serial No. 167,895. PUBLISHED DECEMBER 4, 1923.

179,546. WHEAT FLOUR. PACIFIC COMMERCIAL COMPANY, Manila, Philippine Islands, and New York, N. Y.
Filed August 26, 1922. Serial No. 168,728. PUBLISHED DECEMBER 4, 1923.

179,547. SILK PIECE GOODS. THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J.
Filed September 15, 1922. Serial No. 169,520. PUBLISHED DECEMBER 12, 1922.

179,548. FRESH FRUITS AND VEGETABLES. STANDARD GROWERS EXCHANGE, Orlando, Fla.
Filed September 11, 1922. Serial No. 169,334. PUBLISHED NOVEMBER 13, 1923.

179,549. DISPLAY CHESTS OR CABINETS FOR SILVERWARE OR OTHER SIMILAR ARTICLES. ONEIDA COMMUNITY LIMITED, Oneida, N. Y.
Filed September 20, 1922. Serial No. 169,728. PUBLISHED NOVEMBER 27, 1923.

179,550. WOVEN COTTON PIECE GOODS. NEUSS, HESSLEIN & CO., INC., New York, N. Y.
Filed August 22, 1919. Serial No. 121,908. PUBLISHED DECEMBER 13, 1921.

179,551. GREEN AND ROASTED PEANUTS. LUMMIS & CO., Camden, N. J., and Philadelphia, Pa.
Filed March 29, 1917. Serial No. 102,566. PUBLISHED OCTOBER 30, 1923.

179,552. GREEN AND ROASTED PEANUTS. LUMMIS & CO., Camden, N. J., and Philadelphia, Pa.
Filed March 29, 1917. Serial No. 102,565. PUBLISHED OCTOBER 30, 1923.

179,553. LADIES' SHOES MADE OF LEATHER, KID, AND COMBINATION LEATHER AND FABRIC. JACOBS & THATCHER CO., Brooklyn, N. Y.
Filed October 19, 1920. Serial No. 138,498. PUBLISHED NOVEMBER 13, 1923.

179,554. SHEET-METAL BUILDING PRODUCTS. MILWAUKEE CORRUGATING COMPANY, Greenfield, Wis.
Filed September 18, 1920. Serial No. 137,326. PUBLISHED NOVEMBER 20, 1923.

179,555. CERTAIN NAMED CLOTHING. INTERNATIONAL STANDARD EXPORTING CORPORATION, New York, N. Y.
Filed May 23, 1921. Serial No. 148,076. PUBLISHED DECEMBER 4, 1923.

179,556. PENETRATING LUBRICATING OILS. JOHN FRANKLIN PIATT, doing business as Jack's Products Company, Cape Girardeau, Mo.
Filed November 5, 1921. Serial No. 155,069. PUBLISHED NOVEMBER 27, 1923.

179,557. BREAD. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed October 8, 1921. Serial No. 153,885. PUBLISHED DECEMBER 4, 1923.

179,558. CROCKERY AND PORCELAIN. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed August 27, 1921. Serial No. 152,251. PUBLISHED NOVEMBER 20, 1923.

179,559. RAW TOBACCO, TOBACCO FOR SMOKING, CHEWING TOBACCO, AND SNUFF, CIGARS, CIGARILLAS, AND CIGARETTES. ORIENTALISCHE TABAK- U. CIGARETTENFABRIK YENIDZE, INHABER, HUGO ZIETZ, Dresden, Germany.
Filed January 4, 1922. Serial No. 157,507. PUBLISHED JUNE 19, 1923.

179,560. KNIT SKIRTS, KNIT PRINCESS SLIPS, KNIT COMBINATION CORSET COVER AND SKIRT, AND KNIT COMBINATION WAIST AND SKIRT. ETHEL L. MARSHALL, Winston-Salem, N. C., assignor to American Knit Products Company, Wilmington, Del., a Corporation of Delaware.
Filed December 31, 1921. Serial No. 157,385. PUBLISHED NOVEMBER 27, 1923.

179,561. THERAPEUTICAL APPARATUSES CALLED OXYHEALER USED FOR INJECTING OXYGEN INTO THE BODY. SHINTARO MAESHIMA, Tokyo, Japan.
Filed November 25, 1921. Serial No. 155,900. PUBLISHED JULY 10, 1923.

179,562. CHEESE. GERBER & CO., LTD., Thoune, Switzerland.
Filed January 24, 1922. Serial No. 158,389. PUBLISHED DECEMBER 4, 1923.

179,563. ALUMINUM PAINT. SALVATORE PORCELL, New York, N. Y.
Filed January 20, 1922. Serial No. 158,193. PUBLISHED NOVEMBER 27, 1923.

179,564. LADIES', MISSES', AND JUNIORS' COATS. TOBIAS KLIPSTEIN, New York, N. Y.
Filed February 13, 1922. Serial No. 159,267. PUBLISHED DECEMBER 4, 1923.

179,565. FUEL OILS, MOTOR-LUBRICATING OILS, AND LUBRICANTS. BARNSDALL REFINING COMPANY, Tulsa, Okla.
Filed January 28, 1922. Serial No. 158,560. PUBLISHED NOVEMBER 27, 1923.

179,566. SHOE THREAD. THE BARBOUR BROTHERS CO., Paterson, N. J.
Filed March 8, 1922. Serial No. 160,335. PUBLISHED JUNE 26, 1923.

179,567. ICE CREAM. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed February 23, 1922. Serial No. 159,687. PUBLISHED NOVEMBER 13, 1923.

179,568. CHILDREN'S FURNITURE. SELRITE PRODUCTS INC., New York, N. Y.
Filed April 14, 1922. Serial No. 162,319. PUBLISHED NOVEMBER 27, 1923.

179,569. CANDIES OF ALL TYPES. ISAAC E. BLOCK, doing business as Peggy Page Candy Co., Chicago, Ill.
Filed April 13, 1922. Serial No. 162,237. PUBLISHED DECEMBER 4, 1923.

179,570. CAVIAR. SAMUEL ROSENBERG, doing business as Phenix Packing Co., New York, N. Y.
Filed March 30, 1923. Serial No. 178,362. PUBLISHED OCTOBER 2, 1923.

179,571. FRUIT SALAD, CANNED FRUITS, AND CANNED VEGETABLES. CALIFORNIA CO-OPERATIVE CANNERIES, San Francisco, Calif.
Filed March 29, 1923. Serial No. 178,222. PUBLISHD DECEMBER 4, 1923.

179,572. INFANTS' SUITS, CONSISTING OF COAT, LEGGINGS, CAP, AND MITTENS, MADE OF FABRICS. WILLIAM GREILICH & SONS, INC., Brooklyn, N. Y.
Filed March 27, 1923. Serial No. 178,098. PUBLISHED NOVEMBER 27, 1923.

179,573. ROOFING SLATE. THE JOHN D. EMACK COMPANY, Philadelphia, Pa.
Filed April 12, 1923. Serial No. 179,034. PUBLISHED NOVEMBER 27, 1923.

179,574. MIRRORED LENSES AS LIGHT TRANSMITTING AND REFLECTING DEVICES. CHARLES F. BACON, Trustee, Toledo, Ohio.
Filed April 12, 1923. Serial No. 179,024. PUBLISHED NOVEMBER 20, 1923.

179,575. CAST-IRON PIPES, CAST-IRON BENDS, T'S, Y'S, AND DRAINAGE TRAPS. THE EASTERN FOUNDRY COMPANY, Boyertown, Pa.
Filed April 4, 1923. Serial No. 178,557. PUBLISHED NOVEMBER 27, 1923.

179,576. COTTON THREAD. SMITH & DOVE MANUFACTURING CO., Andover, Mass.
Filed April 16, 1923. Serial No. 179,231. PUBLISHED NOVEMBER 13, 1923.

179,577. HAIR NETS. THE GRACENET COMPANY, INC., New York, N. Y.
Filed April 14, 1923. Serial No. 179,147. PUBLISHED NOVEMBER 20, 1923.

179,578. HAIR NETS. JULIEN GIGUET, Lyon, France.
Filed May 4, 1923. Serial No. 180,176. PUBLISHED NOVEMBER 20, 1923.

179,579. PIPES AND CIGAR HOLDERS. CHAS. HENRY LONGBOTTOM, New York, N. Y.
Filed April 24, 1923. Serial No. 179,612. PUBLISHED NOVEMBER 13, 1923.

179,580. STAVES. BOBET BROTHERS, INC., New Orleans, La.
Filed April 24, 1923. Serial No. 179,581. PUBLISHED DECEMBER 4, 1923.

179,581. BLACK ENAMEL AND RUBBER PAINT. NATIONAL COMPOUND CO., INC., Boston, Mass.
Filed April 18, 1923. Serial No. 179,318. PUBLISHED NOVEMBER 27, 1923.

179,582. CORN MEAL, CEREAL SCRATCH AND CHICK FEED FOR POULTRY, CEREAL FEED FOR HOGS. CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware.
Filed May 7, 1923. Serial No. 180,297. PUBLISHED NOVEMBER 6, 1923.

179,583. HAIR NETS. JULIEN GIGUET, Lyon, France.
Filed May 4, 1923. Serial No. 180,177. PUBLISHED NOVEMBER 20, 1923.

179,584. FASTENERS FOR SECURING AND SPACING METAL LATH. BULL DOG PLASTER GRIP COMPANY, Oakland, Calif.
Filed May 8, 1923. Serial No. 180,324. PUBLISHED DECEMBER 4, 1923.

179,585. EDIBLE OILS—NAMELY, OLIVE OIL. FLOR. BARBLAN Y HIJMATHÉ, Malaga, Spain.
Filed May 8, 1923. Serial No. 180,320. PUBLISHED DECEMBER 4, 1923.

179,586. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS, AND MEN'S COLLARS, CRAVATS, NIGHTSHIRTS, AND PYJAMAS. GROSNER, MILICH COMPANY, INC., New York, N. Y.
Filed May 16, 1923. Serial No. 180,700. PUBLISHED NOVEMBER 27, 1923.

179,587. SKUFF AND STEP PLATES FOR VEHICLES. COAST SPECIALTY SALES COMPANY, Oakland, Calif.
Filed May 16, 1923. Serial No. 180,689. PUBLISHED NOVEMBER 27, 1923.

179,588. FLEXIBLE METAL HOSE. ATLANTIC METAL HOSE CO., INC., New York, N. Y.
Filed May 16, 1923. Serial No. 180,684. PUBLISHED DECEMBER 4, 1923.

179,589. MOTOR-DRIVEN VEHICLES—NAMELY, AUTOMOBILE TAXICABS. YELLOW CAB MANUFACTURING CO., Chicago, Ill.
Filed May 7, 1923. Serial No. 180,315. PUBLISHED NOVEMBER 27, 1923.

179,590. CANNED, SMOKED, DRIED, AND SALT FISH. CHARLES F. MATTLAGE & SONS, INC., New York, N. Y.
Filed February 2, 1922. Serial No. 158,785. PUBLISHED AUGUST 14, 1923.

179,591. CANNED AND DEHYDRATED FRUITS AND CANNED AND DEHYDRATED VEGETABLES. KING'S FOOD PRODUCTS COMPANY, Portland, Oreg.
Filed June [illegible], 1922. Serial No. 165,392. PUBLISHED DECEMBER 4, 1923.

179,592. CERTAIN NAMED LEATHER. SETON LEATHER CO., Newark, N. J.
Filed March 9, 1923. Serial No. 177,202. PUBLISHED NOVEMBER 20, 1923.

179,593. CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. H. P. LAU CO., Lincoln, Nebr.
Filed March 13, 1923. Serial No. 177,390. PUBLISHED NOVEMBER 20, 1923.

179,594. OCCASIONAL OR MONTHLY PUBLICATION. CHARLES CROSS, San Francisco, Calif.
Filed March 15, 1923. Serial No. 177,476. PUBLISHED NOVEMBER 20, 1923.

179,595. A LIQUID MALTLESS MILK-CHOCOLATE BEVERAGE FOR FOOD PURPOSES. MISSOURI VALLEY CREAMERY COMPANY, Washington, Mo.
Filed March 16, 1923. Serial No. 177,568. PUBLISHED NOVEMBER 20, 1923.

179,596. BROWN COTTONS IN THE PIECE. THE LOUIS STIX CO., Cincinnati, Ohio, and New York, N. Y.
Filed April 6, 1923. Serial No. 178,680. PUBLISHED DECEMBER 4, 1923.

179,597. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed April 23, 1923. Serial No. 179,518. PUBLISHED DECEMBER 4, 1923.

179,598. CANNED BERRIES AND CANNED VEGETABLES. HUMBIRD CANNING CO., Humbird, Wis.
Filed April 23, 1923. Serial No. 179,535. PUBLISHED NOVEMBER 27, 1923.

179,599. A MONTHLY MAGAZINE FOR WRITERS AND AUTHORS. PHOTODRAMATIST PUBLISHING COMPANY, Hollywood, Calif.
Filed April 23, 1923. Serial No. 179,550. PUBLISHED NOVEMBER 20, 1923.

179,600. TOY PIANOS. NORTH AMERICAN TOY CO., INC., New York, N. Y.
Filed May 14, 1923. Serial No. 180,616. PUBLISHED NOVEMBER 27, 1923.

179,601. FURNITURE AND AUTOMOBILE CLEANER HAVING INCIDENTAL PROPERTIES AS A POLISH, ALSO ENAMEL CLEANER. JACOB A. MEINHARDT, doing business as J. A. Meinhardt Company, Chicago, Ill.
Filed May 19, 1923. Serial No. 180,875. PUBLISHED NOVEMBER 27, 1923.

179,602. SPICES, PREPARED MUSTARD, AND PREPARED MUSTARD CREAM SALAD. C. A. MURDOCK MFG. CO., Kansas City, Mo.
Filed May 19, 1923. Serial No. 180,879. PUBLISHED DECEMBER 4, 1923.

179,603. SHAVING SOAPS AND SHAVING CREAMS IN THE FORM OF SOAP CREAM FOR USE IN SHAVING. CLIO & CIE, INC., New York, N. Y.
Filed May 28, 1923. Serial No. 181,247. PUBLISHED NOVEMBER 20, 1923.

179,604. WATER-SOLUBLE WHITE POWDER FOR GENERAL CLEANING PURPOSES. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa.
Filed May 28, 1923. Serial No. 181,235. PUBLISHED NOVEMBER 20, 1923.

179,605. SUITS, SKIRTS, BLOUSES, JACQUETTES, WOMEN'S HATS, AND NECKWEAR, AS FOLLOWS, TO WIT—FICHUS, GUIMPES, JABOTS, RUFFS, AND STOLES. LORD & TAYLOR, New York, N. Y.
Filed May 31, 1923. Serial No. 181,409. PUBLISHED NOVEMBER 20, 1923.

179,606. SOFT DRINKS. JAMES A. MITCHELL, doing business as Denison Bottling Works, Denison, Iowa.
Filed June 2, 1923. Serial No. 181,491. PUBLISHED NOVEMBER 20, 1923.

179,607. LADIES', MISSES', AND CHILDREN'S HATS AND CAPS. NEMO HAT COMPANY, New York, N. Y.
Filed June 4, 1923. Serial No. 181,535. PUBLISHED NOVEMBER 20, 1923.

179,608. SWEATERS. ISODOR BERGER, doing business as Eclipse Knitting Mills, Newark, N. J.
Filed June 9, 1923. Serial No. 181,719. PUBLISHED NOVEMBER 20, 1923.

179,609. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed June 27, 1923. Serial No. 182,494. PUBLISHED NOVEMBER 27, 1923.

179,610. NONALCOHOLIC SOLUTION OF THE ACTIVE MEDICINAL PRINCIPLES OF HYDRASTIS CANADENSIS. THE WILLIAM S. MERRELL COMPANY, Cincinnati, Ohio.
Filed July 5, 1923. Serial No. 182,834. PUBLISHED NOVEMBER 20, 1923.

179,611. ICE. THE IMPERIAL ICE AND DEVELOPMENT COMPANY, Riverside, Calif.
Filed June 25, 1923. Serial No. 182,418. PUBLISHED NOVEMBER 20, 1923.

179,612. CANNED FRUITS AND CANNED VEGETABLES. LUCIDO BROTHERS GROCERY COMPANY, Granite City, Ill.
Filed June 18, 1923. Serial No. 182,159. PUBLISHED NOVEMBER 27, 1923.

179,613. BRUSHES. LINCOLN PAINT & COLOR COMPANY, Lincoln, Nebr.
Filed July 9, 1923. Serial No. 182,978. PUBLISHED NOVEMBER 20, 1923.

179,614. FLOOR BRUSHES, PAINTBRUSHES, BRUSHES FOR PAINTERS' USE, DUSTBRUSHES, AND BROOM BRUSHES. PENINSULAR PAINT & VARNISH COMPANY, Hamtramck, Mich.
Filed July 9, 1923. Serial No. 182,992. PUBLISHED NOVEMBER 20, 1923.

179,615. TOPCOATS AND OVERCOATS FOR MEN, WOMEN, AND CHILDREN. PIPER & SALERNO CO., INC., New York, N. Y.
Filed August 31, 1923. Serial No. 185,229. PUBLISHED NOVEMBER 20, 1923.

179,616. BOYS' SUITS AND OVERCOATS. WINNING, RATTNER CO., New York, N. Y.
Filed September 6, 1923. Serial No. 185,396. PUBLISHED NOVEMBER 20, 1923.

179,617. CARTOONS. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,468. PUBLISHED NOVEMBER 20, 1923.

179,618. MONTHLY MAGAZINE. F. W. DODGE CORPORATION, New York, N. Y.
Filed September 10, 1923. Serial No. 185,570. PUBLISHED NOVEMBER 20, 1923.

179,619. WEEKLY MAGAZINE. F. W. DODGE CORPORATION, New York, N. Y.
Filed September 10, 1923. Serial No. 185,571. PUBLISHED NOVEMBER 20, 1923.

179,620. WEEKLY MAGAZINE. F. W. DODGE CORPORATION, New York, N. Y.
Filed September 10, 1923. Serial No. 185,572. PUBLISHED NOVEMBER 20, 1923.

179,621. CLEANSING PREPARATION FOR HOUSEHOLD USE AND ALSO FOR CLEANING HANDS AND FEET. WILLIAM GREEVER, doing business as Wundamova Company, Knoxville, Tenn.
Filed September 10, 1923. Serial No. 185,579. PUBLISHED NOVEMBER 20, 1923.

179,622. SWEATERS, KNIT COATS, AND BATHING SUITS. HATHEWAY & REYNOLDS, Oriskany Falls and New York, N. Y.
Filed September 11, 1923. Serial No. 185,658. PUBLISHED DECEMBER 4, 1923.

179,623. SIRUP. THE BOURBON-OLA COMPANY, INC., Paris, Ky.
Filed September 24, 1923. Serial No. 186,101. PUBLISHED NOVEMBER 20, 1923.

179,624. SOAP POWDER. LUCKEL, KING & CAKE SOAP CO., Portland, Oreg.
Filed September 24, 1923. Serial No. 186,145. PUBLISHED NOVEMBER 20, 1923.

179,625. CHOCOLATE COATING. WASHINGTON CHOCOLATE CO., Seattle, Wash.
Filed September 24, 1923. Serial No. 186,171. PUBLISHED NOVEMBER 27, 1923.

179,626. SOFT DRINKS AND SIRUPS. CALIFORNIA CRUSHED FRUIT COMPANY, Los Angeles, Calif.
Filed September 29, 1923. Serial No. 186,349. PUBLISHED NOVEMBER 20, 1923.

179,627. GOLF BALLS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed October 1, 1923. Serial No. 186,429. PUBLISHED NOVEMBER 27, 1923.

179,628. PLAYING CARDS. HAROLD HOWARD HAVARD, Berkeley, Calif.
Filed October 8, 1923. Serial No. 186,706. PUBLISHED NOVEMBER 27, 1923.

179,629. MINERAL WATER. SILVER KING MINERAL WATER CO., INC., New York, N. Y.
Filed October 9, 1923. Serial No. 186,759. PUBLISHED NOVEMBER 20, 1923.

179,630. GEARINGS FOR MOTOR CARS. WARREN GEAR PRODUCTS COMPANY, Warren, Pa.
Filed June 2, 1923. Serial No. 181,504. PUBLISHED DECEMBER 4, 1923.

179,631. CERTAIN NAMED MACHINERY. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed May 28, 1923. Serial No. 181,280. PUBLISHED DECEMBER 4, 1923.

179,632. PHOTOGRAPHIC LENSES. ICA, AKTIENGESELLSCHAFT, Dresden, Germany.
Filed May 24, 1923. Serial No. 181,075. PUBLISHED DECEMBER 4, 1923.

179,633. SPAGHETTI, SPAGHETTI SAUCES, AND CHEESE. PASQUALE ADALBERTO CAPORALE, doing business as Leoncavallo Sauce Company, Philadelphia, Pa.
Filed June 13, 1923. Serial No. 181,936. PUBLISHED NOVEMBER 27, 1923.

179,634. CANNED FRUITS AND VEGETABLES. NIELSEN PACKING CO., San Francisco, Calif.
Filed June 11, 1923. Serial No. 181,852. PUBLISHED DECEMBER 4, 1923.

179,635. CANNED FRUITS AND VEGETABLES. NIELSEN PACKING CO., San Francisco, Calif.
Filed June 11, 1923. Serial No. 181,848. PUBLISHED DECEMBER 4, 1923.

179,636. CANDY. E. A. HOFFMAN CANDY CO., Los Angeles, Calif.
Filed June 16, 1923. Serial No. 182,096. PUBLISHED DECEMBER 4, 1923.

179,637. VEGETABLE, FLOWER, AND GRASS SEEDS AND FLOWERING BULBS. STUMPP & WALTER CO., New York, N. Y.
Filed June 14, 1923. Serial No. 182,019. PUBLISHED DECEMBER 4, 1923.

179,638. SPAGHETTI, SPAGHETTI SAUCES, AND CHEESE. PASQUALE ADALBERTO CAPORALE, doing business as Leoncavallo Sauce Company, Philadelphia, Pa.
Filed June 13, 1923. Serial No. 181,937. PUBLISHED NOVEMBER 27, 1923.

179,639. OPTICAL APPARATUS FOR ADDING ATTRACTION TO ADVERTISEMENTS. FORTUNA-WERKE SPEZIALMASCHINENFABRIK G. M. B. H., Cannstatt, Germany.
Filed June 27, 1923. Serial No. 182,507. PUBLISHED DECEMBER 4, 1923.

179,640. MEN'S AND BOYS' READY-TO-WEAR CLOTHING—NAMELY, OVERALLS AND WORK JACKETS MADE OF DRILL AND DENIM MATERIALS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed June 26, 1923. Serial No. 182,483. PUBLISHED NOVEMBER 27, 1923.

179,641. FRESH GRAPES, FRESH PEACHES, FRESH PLUMS, AND FRESH CITROUS FRUITS. FEDERAL FRUIT DISTRIBUTORS, Fresno, Calif.
Filed June 23, 1923. Serial No. 182,374. PUBLISHED DECEMBER 4, 1923.

179,642. BOATS. ELECTRIC BOAT COMPANY, Bayonne, N. J.
Filed July 2, 1293. Serial No. 182,706. PUBLISHED NOVEMBER 27, 1923.

179,643. SERVICE COVERS FOR AUTOMOBILES AND PARTS THEREOF. RIVERSIDE MANUFACTURING COMPANY, Moultrie, Ga.
Filed June 29, 1923. Serial No. 182,611. PUBLISHED NOVEMBER 20, 1923.

179,644. MACHINES AND APPARATUS FOR WORKING LEATHER AND OTHER SOFT MATERIALS AND FOR THE MANUFACTURING OF BOOTS. FORTUNA-WERKE SPEZIALMASCHINENFABRIK G. M. B. H., Cannstatt, Germany.
Filed June 27, 1923. Serial No. 182,508. PUBLISHED DECEMBER 4, 1923.

179,645. BOYS' AND CHILDREN'S OUTER-WEAR SUITS. JOSEPH S. HOFFMAN, Baltimore, Md.
Filed July 9, 1923. Serial No. 182,970. PUBLISHED DECEMBER 4, 1923.

179,646. ELASTIC VEHICLE TIRES. THE NORWALK TIRE & RUBBER COMPANY, Norwalk, Conn.
Filed July 7, 1923. Serial No. 182,926. PUBLISHED DECEMBER 4, 1923.

179,647. AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES. HARTWELL BROTHERS, Memphis, Tenn.
Filed July 7, 1923. Serial No. 182,908. PUBLISHED NOVEMBER 27, 1923.

179,648. LUBRICATING OILS AND GREASES. MOTIVE LUBRICANT CORPORATION, Detroit, Mich.
Filed July 10, 1923. Serial No. 183,039. PUBLISHED NOVEMBER 27, 1923.

179,649. BOTTLE FILLING AND CAPPING MACHINES, DAIRY MACHINERY, AND PARTS AND FITTINGS FOR BOTTLE FILLING AND CAPPING MACHINES AND DAIRY MACHINERY. THE H. H. MILLER INDUSTRIES COMPANY, Canton, Ohio.
Filed July 9, 1923. Serial No. 182,982. PUBLISHED NOVEMBER 27, 1923.

179,650. WOVEN PILE FABRICS MADE OF MOHAIR. TINGUE MANUFACTURING COMPANY, Seymour, Conn., and New York, N. Y.
Filed July 31, 1923. Serial No. 183,895. PUBLISHED OCTOBER 2, 1923.

179,651. PAMPHLETS PUBLISHED SEMIMONTHLY. LEVEL CLUB, INC., New York, N. Y.
Filed July 25, 1923. Serial No. 183,657. PUBLISHED NOVEMBER 27, 1923.

179,652. HOPS. BROWNELL MCGIBBON, doing business as B. McGibbon & Bro., New York, N. Y.
Filed July 25, 1923. Serial No. 183,660. PUBLISHED NOVEMBER 13, 1923.

179,653. MANUAL FACIAL MASSAGING OR TAPPING DEVICE. EVELYN H. TREINIES, Portland, Oreg.
Filed August 27, 1923. Serial No. 185,061. PUBLISHED NOVEMBER 27, 1923.

179,654. ELASTIC WEBBING. THE ANSONIA O & C CO., Ansonia, Conn.
Filed August 25, 1923. Serial No. 184,954. PUBLISHED NOVEMBER 27, 1923.

179,655. FINANCIAL MAGAZINE PUBLISHED MONTHLY. THE FINANCIER PUBLISHING CO., New York, N. Y.
Filed August 23, 1923. Serial No. 184,903. PUBLISHED NOVEMBER 20, 1923.

179,656. STOVES, GAS FIREPLACE HEATERS, AND INCINERATORS. THE GUARDIAN GAS APPLIANCE COMPANY, Cleveland, Ohio.
Filed August 22, 1923. Serial No. 184,852. PUBLISHED NOVEMBER 27, 1923.

179,657. TANKAGE AND FERTILIZER. E. RAUH & SONS FERTILIZER COMPANY, Indianapolis, Ind.
Filed August 20, 1923. Serial No. 184,762. PUBLISHED NOVEMBER 27, 1923.

179,658. BREAD, BUTTER, EGGS, COFFEE, TEA, SPICES, FOOD-FLAVORING EXTRACTS, ROLLED OATS, SALAD DRESSING, AND POULTRY SEASONING. WRIGHT & PARKER COMPANY, Detroit, Mich.
Filed August 20, 1923. Serial No. 184,778. PUBLISHED NOVEMBER 27, 1923.

179,659. CABS FOR VEHICLES, INCLUDING CABS FOR TRUCKS. SHEET STEEL PRODUCTS CO., Michigan City, Ind.
Filed August 18, 1923. Serial No. 184,686. PUBLISHED NOVEMBER 27, 1923.

179,660. LAMP WICK. GILL BROTHERS' COMPANY, Steubenville, Ohio.
Filed August 18, 1923. Serial No. 184,665. PUBLISHED NOVEMBER 27, 1923.

179,661. FRESH VEGETABLES—NAMELY, ONIONS. DINGFELDER & BALISH, New York, N. Y.
Filed August 17, 1923. Serial No. 184,604. PUBLISHED NOVEMBER 6, 1923.

179,662. BRICK. SIMONS BRICK COMPANY, Los Angeles, Calif.
Filed August 13, 1923. Serial No. 184,426. PUBLISHED NOVEMBER 27, 1923.

179,663. CERTAIN NAMED NOTIONS. S. BLECHMAN & SONS INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,160. PUBLISHED NOVEMBER 27, 1923.

179,664. SEPTIC TANKS, GASOLINE TANKS, GASOLINE TRUCK TANKS, WATER TANKS, INSECTICIDE TANKS, ALL BUILT OF STEEL PLATE. ERNST W. EARLEY, doing business as Richmond Engineering Company, Richmond, Va.
Filed August 1, 1923. Serial No. 183,942. PUBLISHED NOVEMBER 27, 1923.

179,665. LEATHER BOOTS AND SHOES. INTERNATIONAL SHOE COMPANY, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y.
Filed July 26, 1923. Serial No. 183,707. PUBLISHED NOVEMBER 27, 1923.

179,666. RUBBER SOLES AND RUBBER HEELS. PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass.
Filed July 21, 1923. Serial No. 183,539. PUBLISHED NOVEMBER 27, 1923.

179,667. LAMINATED PHENOLIC CONDENSATION PRODUCT. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa.
Filed July 19, 1923. Serial No. 183,442. PUBLISHED NOVEMBER 27, 1923.

179,668. LAMINATED PHENOLIC CONDENSATION PRODUCT. DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa.
Filed July 19, 1923. Serial No. 183,439. PUBLISHED NOVEMBER 27, 1923.

179,669. CALCIMINES IN DRY-POWDER FORM. THE MURALO COMPANY, INC., New Brighton, N. Y.
Filed July 18, 1923. Serial No. 183,398. PUBLISHED NOVEMBER 27, 1923.

179,670. MEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed July 16, 1923. Serial No. 183,297. PUBLISHED NOVEMBER 27, 1923.

179,671. IMITATION VANILLA. THE CARROLL CORPORATION OF BALTIMORE CITY, Baltimore, Md.
Filed July 14, 1923. Serial No. 183,194. PUBLISHED NOVEMBER 20, 1923.

179,672. PECTIN. ALBERT LEO, doing business as Leo Pectin Company, St. Joseph, Mo.
Filed July 11, 1923. Serial No. 183,073. PUBLISHED NOVEMBER 27, 1923.

179,673. A WEEKLY PERIODICAL. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed July 19, 1923. Serial No. 183,436. PUBLISHED NOVEMBER 27, 1923.

179,674. ICE CREAM. FRANKLIN ICE CREAM COMPANY, Kansas City, Mo.
Filed July 25, 1923. Serial No. 183,649. PUBLISHED NOVEMBER 27, 1923.

179,675. A DAILY PERIODICAL. THE DERRICK PUBLISHING COMPANY, Oil City, Pa.
Filed July 19, 1923. Serial No. 183,435. PUBLISHED NOVEMBER 27, 1923.

179,676. MEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed July 16, 1923. Serial No. 183,298. PUBLISHED DECEMBER 4, 1923.

179,677. ASPHALT. KENTUCKY ROCK ASPHALT COMPANY, Louisville, Ky.
Filed July 18, 1923. Serial No. 183,387. PUBLISHED NOVEMBER 27, 1923.

179,678. OFFICE, HOUSEHOLD, AND FACTORY CHAIRS. WILLIAM S. FERRIS, doing business as Domore Chair Company, Elkhart, Ind.
Filed July 12, 1923. Serial No. 183,102. PUBLISHED NOVEMBER 27, 1923.

179,679. DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, BOYS' BLOUSES, AND PYJAMAS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed July 12, 1923. Serial No. 183,121. PUBLISHED NOVEMBER 27, 1923.

179,680. STAINS, VARNISHES, FILLERS, AND LAC AND PASTE AND READY-MIXED PAINTS. BRIDGE-SULLIVAN MANUFACTURING COMPANY, Seattle, Wash.
Filed July 16, 1923. Serial No. 183,249. PUBLISHED NOVEMBER 27, 1923.

179,681. POLISHES FOR FURNITURE, FLOORS, AND AUTOMOBILES. THE CHISWICK POLISH CO., LTD., Chiswick, London, England.
Filed July 27, 1923. Serial No. 183,731. PUBLISHED DECEMBER 4, 1923.

179,682. DESKS, HOUSEHOLD TABLES, CAFETERIA TABLES, STORE TABLES, STANDS, COUNTERS, AND WOOD TOPS FOR THE SAME. WAGEMAKER COMPANY, Grand Rapids, Mich.
Filed July 30, 1923. Serial No. 183,867. PUBLISHED NOVEMBER 27, 1923.

179,683. COLLAPSIBLE BABY CRIB. DOROTHY DEWEY COMSTOCK, Boston, Mass.
Filed August 1, 1923. Serial No. 183,909. PUBLISHED NOVEMBER 27, 1923.

179,684. KEROSENE. ASSOCIATED OIL COMPANY, San Francisco, Calif.
Filed August 3, 1923. Serial No. 184,015. PUBLISHED NOVEMBER 27, 1923.

179,685. PERIODICALS PUBLISHED WEEKLY. LESLIE-JUDGE COMPANY, New York, N. Y.
Filed August 2, 1923. Serial No. 183,982. PUBLISHED NOVEMBER 27, 1923.

179,686. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHES—NAMELY, OVERCOATS; TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. CHAS. DOUGLIS MACK CO., New York, N. Y.
Filed August 4, 1923. Serial No. 184,069. PUBLISHED DECEMBER 4, 1923.

179,687. NEW AND RENEWED STEEL RAILS. L. B. FOSTER CO. INC., Pittsburgh, Pa.
Filed August 4, 1923. Serial No. 184,073. PUBLISHED DECEMBER 4, 1923.

179,688. NEW AND RENEWED STEEL RAILS. L. B. FOSTER CO., INC., Pittsburgh, Pa.
Filed August 4, 1923. Serial No. 184,072. PUBLISHED DECEMBER 4, 1923.

179,689. UNCOLORED VARNISH FOR LINOLEUM AND CONGOLEUM RUGS AND OTHER FLOOR COVERINGS OF A SIMILAR NATURE. B. AND T. VARNISH COMPANY, Cincinnati, Ohio.
Filed August 6, 1923. Serial No. 184,113. PUBLISHED NOVEMBER 27, 1923.

179,690. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 18, 1923. Serial No. 184,691. PUBLISHED DECEMBER 4, 1923.

179,691. MOTOR BUSSES AND PARTS THEREOF. NEW YORK TRANSPORTATION CO., New York, N. Y.
Filed August 18, 1923. Serial No. 184,675. PUBLISHED NOVEMBER 27, 1923.

179,692. AUTOMOBILES, AUTOMOBILE TRUCKS, BOATS, AUTOMOBILE CHASSIS, CANOES, LAUNCHES, AND PARTS OF THE ABOVE. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France.
Filed August 10, 1923. Serial No. 184,305. PUBLISHED DECEMBER 4, 1923.

179,693. WOOLEN CLOTH IN THE PIECE. S. STEIN & COMPANY, New York, N. Y.
Filed August 7, 1923. Serial No. 184,190. PUBLISHED NOVEMBER 13, 1923.

179,694. AUTOMOBILES, AUTOMOBILE TRUCKS, BOATS, AUTOMOBILE CHASSIS, CANOES, LAUNCHES, AND PARTS OF THE ABOVE. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France.
Filed August 10, 1923. Serial No. 184,307. PUBLISHED DECEMBER 4, 1923.

179,695. AUTOMOBILE TIRES, INCLUDING BOTH OUTER CASINGS AND INNER TUBES. MICHELIN TIRE COMPANY, Milltown, N. J.
Filed August 13, 1923. Serial No. 184,413. PUBLISHED NOVEMBER 18, 1923.

179,696. CHOCOLATE. SUCHARD, S. A., Serrieres, Switzerland.
Filed August 16, 1923. Serial No. 184,569. PUBLISHED NOVEMBER 27, 1923.

179,697. TABLE DAMASKS. A. W. BAYLIS CO., New York, N. Y.
Filed August 18, 1923. Serial No. 184,632. PUBLISHED NOVEMBER 20, 1923.

179,698. CERTAIN NAMED CLOTHING. THE H. P. KING COMPANY, Bristol, Tenn.
Filed August 17, 1923. Serial No. 184,615. PUBLISHED NOVEMBER 27, 1923.

179,699. HOSIERY. THE APTER CO., INC., New York, N. Y.
Filed August 17, 1923. Serial No. 184,577. PUBLISHED NOVEMBER 27, 1923.

179,700. CHOCOLATE. SUCHARD, S. A., Serrieres, Switzerland.
Filed August 16, 1923. Serial No. 184,570. PUBLISHED NOVEMBER 27, 1923.

179,701. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 18, 1923. Serial No. 184,690. PUBLISHED DECEMBER 4, 1923.

179,702. CITROUS FRUITS IN THEIR NATURAL STATE. RANCHO SESPE, Sespe, Calif.
Filed August 18, 1923. Serial No. 184,685. PUBLISHED DECEMBER 4, 1923.

179,703. HOOKS AND EYES, SAFETY PINS, AND TOILET PINS. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa.
Filed September 24, 1923. Serial No. 186,114. PUBLISHED NOVEMBER 27, 1923.

179,704. COFFEE. SUNBURY WHOLESALE GROCERY COMPANY, Sunbury, Pa.
Filed September 22, 1923. Serial No. 186,090. PUBLISHED NOVEMBER 27, 1923.

179,705. DRIED BANANA SLICES. DANNEL MARONIK, Detroit, Mich.
Filed September 20, 1923. Serial No. 185,981. PUBLISHED NOVEMBER 27, 1923.

179,706. BANANA JELLY. DANNEL MARONIK, Detroit, Mich.
Filed September 20, 1923. Serial No. 185,980. PUBLISHED NOVEMBER 27, 1923.

179,707. CHEWING GUM. MORTON GUM CO. INC., Kansas City, Mo.
Filed September 19, 1923. Serial No. 185,932. PUBLISHED NOVEMBER 27, 1923.

179,708. CANNED SARDINES. COAST FISHING COMPANY, Wilmington, Calif.
Filed September 19, 1923. Serial No. 185,919. PUBLISHED NOVEMBER 27, 1923.

179,709. CANDIES. THE C. S. BALL CANDY CO., Dayton, Ohio.
Filed September 17, 1923. Serial No. 185,856. PUBLISHED NOVEMBER 27, 1923.

179,710. CANDY. A. G. MORSE CO., INC., doing business as Morse's, Chicago, Ill.
Filed September 15, 1923. Serial No. 185,834. PUBLISHED NOVEMBER 27, 1923.

179,711. CHOCOLATE-COVERED CANDY BAR. CONFECTION PRODUCTS INC., Jersey City, N. J.
Filed September 15, 1923. Serial No. 185,818. PUBLISHED NOVEMBER 27, 1923.

179,712. CROSS STRAPS FOR CONNECTING THE SUPPORTING STRAPS OF LADIES' UNDERGARMENTS, SUCH AS VESTS, BRASSIÈRES, CAMISOLES, ETC. EVELYN A. ROBINSON, doing business as The Vestrap Co., Minneapolis, Minn.
Filed September 13, 1923. Serial No. 185,765. PUBLISHED NOVEMBER 27, 1923.

179,713. FRESH GRAPES. STARRY, YOUNG & WAY, Exeter, Calif.
Filed September 12, 1923. Serial No. 185,724. PUBLISHED NOVEMBER 20, 1923.

179,714. COFFEE. LEWIS, HUBBARD AND COMPANY, Charleston, W. Va.
Filed September 12, 1923. Serial No. 185,712. PUBLISHED NOVEMBER 20, 1923.

179,715. CANNED FRUITS AND VEGETABLES. BERSEMER-WAGGONER, INC., Los Angeles, Calif.
Filed September 11, 1923. Serial No. 185,650. PUBLISHED NOVEMBER 20, 1923.

179,716. MONTHLY PUBLICATION. CARRIE E. BRADLEY, Cincinnati, Ohio.
Filed September 7, 1923. Serial No. 185,407. PUBLISHED NOVEMBER 20, 1923.

179,717. HEATING APPARATUS—VIZ, GAS HEATERS AND PARTS THEREOF. GENERAL GAS MANTLE CO., Camden, N. J.
Filed September 5, 1923. Serial No. 185,354. PUBLISHED NOVEMBER 27, 1923.

179,718. AUTOMOBILE CLEANSER AND POLISH MADE FROM GASOLINE, BOILED LINSEED OIL, VINEGAR, DENATURED ALCOHOL, JAPAN DRIER, AND TURPENTINE, PUT UP IN BOTTLES. W. M. MYERS, San Antonio, Tex.
Filed September 4, 1923. Serial No. 185,306. PUBLISHED NOVEMBER 27, 1923.

179,719. BRAID ELASTIC GOODS. W. L. M. CLARK INCORPORATED, St. Louis, Mo.
Filed August 29, 1923. Serial No. 185,107. PUBLISHED NOVEMBER 27, 1923.

179,720. ASH CANS, GARBAGE CANS, OIL CANS, TRASH BURNERS, ASH SIFTERS, WATER COOLERS, BREAD BOXES, CAKE BOXES, WATER PAILS, MILK PAILS, AND MILK CANS. H. P. CHANDLER SONS CO., Baltimore, Md.
Filed August 29, 1923. Serial No. 185,106. PUBLISHED NOVEMBER 27, 1923.

179,721. SNAP FASTENERS. CHARLES H. CROWLEY, New York, N. Y.
Filed August 28, 1923. Serial No. 185,075. PUBLISHED NOVEMBER 27, 1923.

179,722. SAFETY PINS. CHARLES H. CROWLEY, New York, N. Y.
Filed August 28, 1923. Serial No. 185,074. PUBLISHED NOVEMBER 27, 1923.

179,723. POTATO CHIPS AND CARAMELS. WHITE SEAL POTATO CHIP CO., Baltimore, Md.
Filed October 1, 1923. Serial No. 186,452. PUBLISHED NOVEMBER 27, 1923.

179,724. SOFT DRINKS. L. GORDON LEECH, Washington, D. C.
Filed October 3, 1923. Serial No. 186,512. PUBLISHED NOVEMBER 27, 1923.

179,725. SQUASH BALLS. THE AUTOMOBILE PROPRIETARY, LIMITED, Westminster and London, England.
Filed October 8, 1923. Serial No. 186,686. PUBLISHED NOVEMBER 27, 1923.

179,726. BRUSHES, VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed October 8, 1923. Serial No. 186,729. PUBLISHED NOVEMBER 27, 1923.

179,727. CIGARS. A. E. MCCALL, doing business as McCall Cigar Company, Kansas City, Mo.
Filed October 15, 1923. Serial No. 187,012. PUBLISHED NOVEMBER 27, 1923.

179,728. CIGARS. CONRAD H. MICHAEL, Brooklyn, Conn.
Filed September 15, 1923. Serial No. 185,832. PUBLISHED NOVEMBER 27, 1923.

179,729. CLEANER FOR SATIN FOOTWEAR. THE REX-OIL COMPANY, INC., Pittsburgh, Pa.
Filed September 24, 1923. Serial No. 186,158. PUBLISHED NOVEMBER 20, 1923.

179,730. PURE PUMICE ARTIFICIAL RUBBING STONE. VARGO TRADING CORPORATION, New York, N. Y.
Filed September 24, 1923. Serial No. 186,170. PUBLISHED NOVEMBER 20, 1923.

179,731. MEDICATED SOAP. MENLEY & JAMES, LIMITED, New York, N. Y.
Filed September 10, 1923. Serial No. 185,607. PUBLISHED NOVEMBER 20, 1923.

179,732. CIGARETTES. LIMPERIS J. LIMPER, New York, N. Y.
Filed September 14, 1923. Serial No. 185,787. PUBLISHED NOVEMBER 27, 1923.

179,733. SOAP. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed September 14, 1923. Serial No. 185,806. PUBLISHED NOVEMBER 20, 1923.

179,734. LAUNDRY AND TOILET SOAP. J. R. BEATON CO. INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,405. PUBLISHED NOVEMBER 20, 1923.

179,735. MEDICATED SOAP. THE L. D. CAULK COMPANY, Milford, Del.
Filed September 7, 1923. Serial No. 185,412. PUBLISHED NOVEMBER 20, 1923.

179,736. LAUNDRY SOAP. SZABADY SOAP MFG. CO., INC., Perth Amboy, N. J.
Filed September 7, 1923. Serial No. 185,503. PUBLISHED NOVEMBER 20, 1923.

179,737. SHOE LACERS. HATJY GEORGE BROS., New York, N. Y.
Filed August 13, 1923. Serial No. 184,402. PUBLISHED NOVEMBER 20, 1923.

179,738. SOFT DRINKS AND SIRUPS. CALIFORNIA LABORATORIES, INC., Los Angeles, Calif.
Filed August 17, 1923. Serial No. 184,587. PUBLISHED NOVEMBER 27, 1923.

179,739. HONE. AMERICAN HONE CO., Olean, N. Y.
Filed September 1, 1923. Serial No. 185,237. PUBLISHED NOVEMBER 20, 1923.

179,740. WATERPROOFING, SOFTENING, AND PRESERVING PREPARATION FOR LEATHER. DAVID B. HOSTETTER, doing business as Can Vas Bak Products Co., Indianapolis, Ind.
Filed September 1, 1923. Serial No. 185,251. PUBLISHED NOVEMBER 20, 1923.

179,741. BREAD. JAMES C. DEMPSTER, Toronto, Ontario, Canada.
Filed July 2, 1923. Serial No. 182,704. PUBLISHED NOVEMBER 20, 1923.

179,742. WHEAT FLOUR. THE KING MILLING CO., Lowell, Mich.
Filed July 3, 1923. Serial No. 182,755. PUBLISHED NOVEMBER 20, 1923.

179,743. OIL BURNERS, BALANCED DRAFT EQUIPMENT FOR FURNACES, STOKER-CONTROL EQUIPMENT, AND BAFFLE-WALL CONSTRUCTIONS. THE ENGINEER COMPANY, New York, N. Y.
Filed June 12, 1923. Serial No. 181,882. PUBLISHED NOVEMBER 20, 1923.

179,744. CAKE. CHARLES A. HELLWIG, San Francisco, Calif.
Filed June 14, 1923. Serial No. 181,988. PUBLISHED NOVEMBER 20, 1923.

179,745. COMB AND EXTRACTED HONEY. PENINSULAR HONEY PRODUCERS, Rudyard, Mich.
Filed September 21, 1922. Serial No. 171,194. PUBLISHED DECEMBER 4, 1923.

179,746. ROAD MAPS AND PRINTED ROAD GUIDES PUBLISHED IN THE FORM OF A BOOK IN A CONTINUING SERIES. UNITED STATES SURVEY COMPANY, INCORPORATED, Rochester, N. Y.
Filed October 16, 1922. Serial No. 170,800. PUBLISHED NOVEMBER 27, 1923.

179,747. CANNED VEGETABLES. CENTRAL WHOLESALE GROCERS, INC., Chicago, Ill.
Filed October 11, 1922. Serial No. 170,559. PUBLISHED NOVEMBER 27, 1923.

179,748. CHEESE. SWIFT AND COMPANY, Chicago, Ill.
Filed November 17, 1922. Serial No. 172,188. PUBLISHED MARCH 20, 1923.

179,749. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 8, 1922. Serial No. 171,744. PUBLISHED DECEMBER 4, 1923.

179,750. ARTIFICIAL-SILK FABRIC MADE FROM FIBERS PRODUCED FROM ACETATE OF CELLULOSE. SOCIÉTÉ POUR LA FABRICATION DE LA SOIE "RHODIASETA", Paris, France.
Filed December 18, 1922. Serial No. 173,540. PUBLISHED NOVEMBER 20, 1923.

179,751. TOASTED POP CORN. J. A. PARDOE CO., Omaha, Nebr.
Filed December 21, 1922. Serial No. 173,671. PUBLISHED DECEMBER 4, 1923.

179,752. SILK KNITTED CRÊPE IN THE PIECE. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed February 1, 1923. Serial No. 175,378. PUBLISHED MAY 1, 1923.

179,753. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,377. PUBLISHED NOVEMBER 13, 1923.

179,754. RAW MILK. KENWOOD DAIRY COMPANY, Chicago, Ill.
Filed February 15, 1923. Serial No. 176,082. PUBLISHED DECEMBER 4, 1923.

179,755. SILK PIECE GOODS. ZOLLINGER & SCHROTH, INC., New York, N. Y.
Filed February 10, 1923. Serial No. 175,906. PUBLISHED APRIL 10, 1923.

179,756. HAND-KNITTING WOOL YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,381. PUBLISHED NOVEMBER 13, 1923.

179,757. GOLF-BAG HOLDERS—NAMELY, RACKS OR HOLDERS WHICH ARE SPECIALLY ADAPTED TO BE ATTACHED TO AUTOMOBILES. SMITH & GREGORY, New York, N. Y.
Filed March 15, 1923. Serial No. 177,525. PUBLISHED NOVEMBER 27, 1923.

179,758. HUMAN AND ANIMAL HAIR. LOUIS LEVUSOVE, New York, N. Y.
Filed March 15, 1923. Serial No. 177,496. PUBLISHED DECEMBER 4, 1923.

179,759. DRESSES, GOWNS, COSTUMES, WAISTS, SKIRTS, LADIES' AND GIRLS' HATS AND NECK-SCARFS. MIRACLE DRESS CO., INC., New York, N. Y.
Filed February 24, 1923. Serial No. 176,564. PUBLISHED NOVEMBER 27, 1923.

179,760. COTTON PIECE GOODS. HERBERT J. CATHCART, doing business as The Cathcart Company, New York, N. Y.
Filed March 16, 1923. Serial No. 177,546. PUBLISHED JUNE 12, 1923.

179,761. COTTON PIECE GOODS. WILTON MANUFACTURING CO. INC., New York, N. Y.
Filed March 15, 1923. Serial No. 177,536. PUBLISHED JULY 24, 1923.

179,762. VENDIBLE COUPON BONDS, COUPONS, ETC. PRUDENCE-BONDS CORPORATION, New York and Brooklyn, N. Y.
Filed March 23, 1923. Serial No. 177,924. PUBLISHED NOVEMBER 27, 1923.

179,763. HOSIERY. DETROIT HOSIERY COMPANY, Detroit, Mich.
Filed March 24, 1923. Serial No. 177,964. PUBLISHED DECEMBER 4, 1923.

179,764. SILK PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 23, 1923. Serial No. 177,934. PUBLISHED DECEMBER 4, 1923.

179,765. COAL. THE H. M. SCHAFF COAL COMPANY, Cleveland, Ohio.
Filed August 16, 1923. Serial No. 184,567. PUBLISHED DECEMBER 4, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

179,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LABADIE FLOUR MILLS CORPORATION, Kansas City, Mo. Filed Aug. 29, 1921. Serial No. 152,233.

IBERIA

Particular description of goods.—Wheat Flour.
Claims use since July 1, 1921.

179,767. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INLAND RUBBER COMPANY, Chicago, Ill. Filed Aug. 27, 1921. Serial No. 152,257.

INLAND

Particular description of goods.—Automobile Rubber Tires.
Claims use since Dec. 16, 1918.

179,768. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MENNEL MILLING COMPANY, Toledo, Ohio. Filed Oct. 26, 1923. Serial No. 187,529.

"The Country's Best"

The Mennel Milling Co.

Particular description of goods.—Wheat Flour.
Claims use for not less than one year.

179,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. J. BUSH & CO., INC., New York, N. Y. Filed Dec. 11, 1922. Serial No. 173,172.

Potter & Moore

Particular description of goods.—Toilet Water.
Claims use since Mar. 1, 1903.

179,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FOSTER HONEY & MUSC. CO., Boulder, Colo. Filed Jan. 13, 1923. Serial No. 174,569.

HONEY BUTTER

Particular description of goods.—Honey.
Claims use since Dec. 7, 1922.

179,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa. Filed Jan. 22, 1923. Serial No. 174,945.

GOLD MEDAL CREAM

Particular description of goods.—Raw, Pasteurized, and Certified Cream, Buttermilk, and Ice Cream.
Claims use since 1911.

179,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa. Filed Jan. 22, 1923. Serial No. 174,946.

GOLD MEDAL MILK

Particular description of goods.—Milk (Raw, Pasteurized, and Certified), Butter, Cream (Raw, Pasteurized, and Certified), Buttermilk, Ice Cream and Ices, and Cottage Cheese.
Claims use since 1911.

179,773. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RICHARDSON-MARSH CORPORATION, Orlando, Fla. Filed Apr. 9, 1923. Serial No. 178,868.

HY-GRADE

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 1, 1922.

179,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. WILKES & CO., INC., Nashville, Tenn. Filed July 9, 1923. Serial No. 183,015.

Good Goods

Particular description of goods.—Wheat Flour, Grains, and Feeds (for Poultry and Other Live Stock).
Claims use since 1906.

179,775. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JESSUP NEEDLE SCREEN SEPARATOR COMPANY, Oakland, Calif. Filed Aug. 7, 1923. Serial No. 184,166.

JESSUP

Particular description of goods.—Gravity Separators of Grain and Other Agricultural Seeds.
Claims use since October, 1895.

179,776. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 29, 1923. Serial No. 186,870.

VALENCIA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Mar. 1, 1922.

179,777. (CLASS 12. CONSTRUCTION MATERIALS.) EDGE HILL SILICA ROCK COMPANY, New Brunswick, N. J. Filed Oct. 19, 1923. Serial No. 187,211.

MICA SCHIST

Particular description of goods.—Linings in Block Form and in the Nature of Fire Brick for Use in Furnaces in Steel Works and Foundries and for Use in Cupolas, Ladles, Bessemer Converters, Soaking Pits, and Hot-Metal Mixers.
Claims use since Sept. 14, 1902.

179,778. (CLASS 43. THREAD AND YARN.) NORTH JERSEY BRAIDING CO., Newark, N. J. Filed Nov. 8, 1923. Serial No. 188,129.

PERFECTSEAM

Particular description of goods.—Thread.
Claims use since about May, 1922.

179,779. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOUTH BEND BAIT CO., South Bend, Ind. Filed Dec. 4, 1922. Serial No. 172,907.

ST. JOE

Particular description of goods.—Artificial Lures and Baits, Fishing Hooks, Lures for Fishhooks, Leaders, Lines, Reels, and Fish Rods.
Claims use since June 1, 1922.

179,780. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa. Filed Nov. 20, 1922. Serial No. 172,298.

Gold Medal Cream

Particular description of goods.—Raw, Pasteurized, and Certified Cream and Ice Cream.
Claims use for not less than one year.

179,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GUARANTEE REMEDIES COMPANY, Asheville, N. C. Filed Nov. 1, 1922. Serial No. 171,457.

Guarantee

Particular description of goods.—Medicines for Use in the Treatment of Dogs for Distemper, Mange, and Worms; a Tonic for Dogs, a Pill for Constipation, and a Lotion for the Treatment of Skin Diseases of Persons.
Claims use since July 15, 1922.

179,782. (CLASS 39. CLOTHING.) COLUMBIA KNITTING MILLS, Portland, Oreg. Filed Sept. 18, 1922. Serial No. 169,578.

Columbiaknit

Particular description of goods.—Sweaters, Dresses, Suits, Scarfs, Bathing Suits, and Caps for Men, Women, and Children.
Claims use since Aug. 1, 1921.

179,783. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CLEMENT D. HELLYER, doing business as Hellyer Steel Parts Company, Los Angeles, Calif. Filed June 13, 1922. Serial No. 165,445.



Particular description of goods.—Piston Rings.
Claims use since Jan. 1, 1922.

179,784. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PEDIGREED SEED COMPANY, Hartsville, S. C. Filed Aug. 7, 1922. Serial No. 167,892.

HARDIWHITE

The mark consists of the word "Hardiwhite."
Particular description of goods.—Seed Oats.
Claims use since Dec. 1, 1920.

179,785. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Jan. 6, 1921. Serial No. 141,921.

SPINE LOCK SELF CORRECTOR

Particular description of goods.—Corsets, Corset Waists, Brassières.
Claims use since Oct. 1, 1920.

179,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed Feb. 1, 1921. Serial No. 143,046.

CREAM SALAD

Particular description of goods.—Prepared Mustard.
Claims use since July 1, 1904.

179,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL PRODUCTS SALES COMPANY, New Brunswick, N. J. Filed Apr. 12, 1922. Serial No. 162,221.

"TASTI MASH"

Particular description of goods.—Agricultural Animal Food for Cattle, Swine, and Poultry.
Claims use since Dec. 12, 1921.

179,788. (CLASS 39. CLOTHING.) V. PERRIN & CIE., Grenoble, France; London, England; and New York, N. Y. Filed Nov. 10, 1920. Serial No. 139,472.

RIPPROOF

Particular description of goods.—Leather Gloves.
Claims use since June 6, 1917.

179,789. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Jan. 6, 1921. Serial No. 141,918.

MOTHER'S SELF EXPANSION

Particular description of goods.—Corsets, Corset Waists, Brassières.
Claims use since Oct. 1, 1920.

179,790. (CLASS 17. TOBACCO PRODUCTS.) SAMUEL JOSEPHSON, doing business as Josephson Brothers, New York, N. Y. Filed Nov. 30, 1923. Serial No. 189,055.



Particular description of goods.—Cigars.
Claims use since Oct. 1, 1921.

179,791. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHEKFLO ASSOCIATES, New York, N. Y. Filed Oct. 27, 1923. Serial No. 187,561.

CHEKFLO

Particular description of goods.—Plumbing Fixtures—Namely, Pipe Couplings.
Claims use since July 1, 1918.

179,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK C. WORTHY, Atlanta, Ga. Filed Nov. 1, 1923. Serial No. 187,905.

Worthy's

Particular description of goods.—Medicine to be Used Externally in the Treatment of Skin Diseases in Animals.
Claims use since Oct. 22, 1920.

179,793. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ALBERT LEA BOTTLING WORKS, Albert Lea, Minn. Filed Nov. 21, 1923. Serial No. 188,621.

Dr. Sterns'

Particular description of goods.—Root Beer.
Claims use since Mar. 5, 1915.

LABELS

REGISTERED FEBRUARY 12, 1924.

26,891.—*Title:* FACIAL TISSUE. For Toilet Paper. ADIRONDACK TISSUE PAPER CO., Utica, N. Y. Published December 24, 1923.

26,892.—*Title:* BUGLE. For Oranges and Grapefruit. AUBURNDALE CITRUS GROWERS ASSOCIATION, Auburndale, Fla. Published November 19, 1923.

26,893.—*Title:* AMMONE. For Compound Powder Ammonia. DANIEL CAMERON, doing business as Ammone Company, Boston, Mass. Published December 5, 1923.

26,894.—*Title:* CHUMS. For Shoes. THE CEDAR GROVE SHOE MFG. CO., Cedar Grove, Wis. Published December 18, 1923.

26,895.—*Title:* CHAMPION. For Apples. THE CEDAREDGE FRUIT COMPANY, Cedaredge, Colo. Published September 5, 1923.

26,896.—*Title:* OLD RELIABLE COFFEE. For Coffee. THE DAYTON SPICE MILLS COMPANY, Dayton, Ohio. Published December 29, 1923.

26,897.—*Title:* OLD DUTCH RUSK. For Rusks. HENRY DIEDERICH, Brooklyn and Valley Stream, N. Y. Published April 16, 1923.

26,898.—*Title:* WHITE ROSE. For Dry Goods—Namely, Cotton and Linen Cloth. THE FARLEY HARVEY COMPANY, Boston, Mass. Published June 1, 1923.

26,899.—*Title:* FLINT'S OLD FASHIONED COUGH SYRUP. For Cartons Containing Bottles of Cough Sirup. FLINT DRUG COMPANY, Glens Falls, N. Y. Published October 27, 1923.

26,900.—*Title:* GINJA MEL. For Nonalcoholic Beverages. FLORIDA PRODUCTS COMPANY, INC., New York, N. Y. Published December 28, 1923.

26,901.—*Title:* SOUTH SEA. For Cocoa. FORTUNE PRODUCTS COMPANY, Chicago, Ill. Published October 18, 1923.

26,902.—*Title:* SUPER X. For Oranges and Grapefruit. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,903.—*Title:* REX. For Citrous Fruits. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,904.—*Title:* BOSTON TERRIER. For Citrous Fruits. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,905.—*Title:* FLORIDA ARMS. For Grapefruit and Oranges. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,906.—*Title:* GENTILE SPECIAL. For Citrous Fruits. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,907.—*Title:* QUEEN. For Oranges and Grapefruit. GENTILE BROS. COMPANY, Orlando, Fla. Published October 26, 1923.

26,908.—*Title:* GAYETY REAL HUMAN HAIR NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published December 6, 1923.

26,909.—*Title:* WINSOME SILK NET. For Hair Nets. S. GLEMBY'S SONS CO., INC., New York, N. Y. Published November 28, 1923.

26,910.—*Title:* CHECKER. For Gasoline. HERCULES GASOLINE CO., Los Angeles, Calif. Published September 4, 1923.

26,911.—*Title:* GIANT. For Gasoline. HERCULES GASOLINE CO., Los Angeles, Calif. Published September 4, 1923.

26,912.—*Title:* TORPEDO. For Gasoline. HERCULES GASOLINE CO., Los Angeles, Calif. Published September 4, 1923.

26,913.—*Title:* THE HUDSON FAVORITE. For Sprayers. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Published September 20, 1923.

26,914.—*Title:* FAIRY GOLD. For Butter. FRANK HURWITZ & SONS, Baltimore, Md. Published November 1, 1923.

26,915.—*Title:* SPEEDY SPAR. For Varnish. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Published December 1, 1923.

26,916.—*Title:* INDIAN PRINCESS. For Tomatoes. BENJAMIN FRANKLIN JULIAN, doing business as Marshfield Supply Co., Marshfield, Mo. Published October 25, 1923.

26,917.—*Title:* OZARK CHIEF. For Tomatoes. BENJAMIN FRANKLIN JULIAN, doing business as Marshfield Supply Co., Marshfield, Mo. Published October 25, 1923.

26,918.—*Title:* APRICOT SHEIK. For Soft Beverages of Apricot Flavor. KING AND COMPANY, Chicago, Ill. Published December 26, 1923.

26,919.—*Title:* PORT SHEIK. For Soft Beverages of Grape Flavor. KING AND COMPANY, Chicago, Ill. Published December 26, 1923.

26,920.—*Title:* BOOSTER. For Florida Fruits. A. M. KLEMM & SON, Winterhaven, Fla. Published October 30, 1923.

26,921.—*Title:* MEADOW LAKE. For Canned String Beans. KLUTE FLEMING PACKING CO., San Francisco, Calif. Published August 2, 1923.

26,922.—*Title:* BLACK-O-LENE. For Enamel Paint for Metals. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Published December 24, 1923.

26,923.—*Title:* PLAYMORE. For Player-Roll Boxes for Player Pianos. IOWEN LAWSON, New York, N. Y. Published December 15, 1923.

26,924.—*Title:* GRANITE. For Peaches. LUCIDO BROTHERS GROCERY COMPANY, Granite City, Ill. Published September 25, 1923.

26,925.—*Title:* NU-FLOOR MAKES OLD HARDWOOD FLOORS LOOK LIKE NEW. For Nu-Floor Preparation. GEORGE E. MARSHALL, doing business as Nu-Floor Manufacturing Co., San Francisco, Calif. Published December 1, 1923.

26,926.—*Title:* LEADER. For Citrous Fruits. GREGG MAXCY, doing business as The Ridge Fruit Company, Frostproof, Fla. Published October 1, 1923.

26,927.—*Title:* TOPMOST. For Citrous Fruits. GREGG MAXCY, doing business as The Ridge Fruit Company, Frostproof, Fla. Published October 1, 1923.

26,928.—*Title:* STARLIGHT. For Wrapper for Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Star Baking Company, Cleveland, Ohio. Published October 13, 1923.

26,929.—*Title:* MUSTO'S THREE DAY PILE REMEDY. For a Medicinal Preparation for Piles. DANIEL MUSTO, Columbus, Ohio. Published November 1, 1922.

26,930.—*Title:* SQUAW VINE. For a Medicinal Preparation—Namely, a Cordial for Women. NEWBRO MANUFACTURING COMPANY, Atlanta, Ga. Published October 16, 1923.

26,931.—*Title:* ROSELLE JUICE—THE HERBACEOUS JUICE WITH A FRUIT FLAVOR. For Pure Juice of Roselle to be Used in Making Nonalcoholic Drink, and Jelly Formed from Said Juice. MRS. NYE'S ROSELLE PRODUCTS COMPANY, Turlock, Calif. Published December 1, 1923.

26,932.—*Title:* PARAMOUNT. For Loganberries. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,933.—*Title:* HOLSUM. For Pears. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,934.—*Title:* DELECTAS. For Royal Anne Cherries. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,935.—*Title:* OLYMPIA. For Apples. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,936.—*Title:* CLASS A. For Loganberries. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,937.—*Title:* FULL VALUE. For Pears. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,938.—*Title:* WELLWORTH. For Plums. OLYMPIA CANNING COMPANY, Olympia, Wash. Published October 8, 1923.

26,939.—*Title:* RIESEL TICKING. For Ticking Feather Inlets. S. RIESEL & SON, New York, N. Y. Published July 15, 1923.

26,940.—*Title:* BAKER BOY. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published December 22, 1923.

26,941.—*Title:* RAINBOW. For Citrous Fruits. SOUTHERN CITRUS PACKING COMPANY, INC., Lakeland, Fla. Published October 3, 1923.

PRINTS

REGISTERED FEBRUARY 12, 1924.

7,173.—*Title:* BLUEBIRDS FOR HAPPINESS LIVER PILLS. For Liver Pills. BLUEBIRD PHARMACAL CO., Cambridge, Boston, Mass. Published December 15, 1923.

7,174.—*Title:* BOYSHFORM BRASSIERES. For Brassières. THE BOYSHFORM BRASSIERE CO., New York, N. Y. Published July 1, 1921.

7,175.—*Title:* ARROW FORMAL DAY SHIRTS NO MATTER WHAT THE NATURE (ETC.). For Arrow Shirts. CLUETT, PEABODY & CO., INC., Troy, N. Y. Published December 24, 1923.

7,176.—*Title:* LES POUDRES DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published December 20, 1923.

7,177.—*Title:* MOTHER GOOSE BANK. For Paper Banks. EMPIRE PAPER PRODUCTS CORPORATION, New York, N. Y. Published September 4, 1923.

7,178.—*Title:* FRUHAUF AUTHENTIC HAND TAILORED CLOTHES. For Clothing. FRUHAUF BROS. & CO., New York, N. Y. Published November 24, 1923.

7,179.—*Title:* 1000^{00} GUARANTEED ANT-BANE. For Insecticide for Ridding Premises of Ants. B. HELLER & COMPANY, Chicago, Ill. Published December 19, 1923.

7,180.—*Title:* YES, WE HAVE NO BANANAS BUT WE DO KNOW HOW TO PRINT. For Advertising Specialties. A. W. LEWIS, doing business as Lewis Printing Company, Kansas City, Mo. Published October 18, 1923.

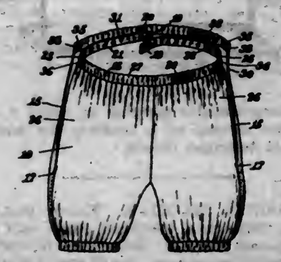
7,181.—*Title:* IT'S PURE, THAT'S SURE. For Dairy PRODUCTS. JAMES E. WARD, Springfield, Ohio. Published September 1, 1922.

7,182.—*Title:* WILLSON GOGGLES SUN-DUST-WIND-GLARE. For Goggles. WILLSON GOGGLES, INC., Reading, Pa. Published December 12, 1923.

REISSUES

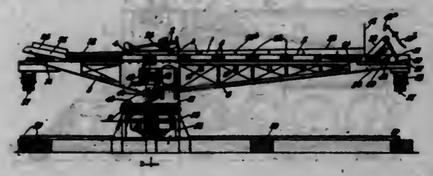
FEBRUARY 12, 1924.

15,757. GARMENT. DAVID L. FINE, Newton, Mass. Filed Nov. 9, 1922. Serial No. 599,948. Original No. 1,426,973, dated Aug. 22, 1922, Serial No. 204,446, filed Nov. 28, 1917. 3 Claims. (Cl. 2—143.)



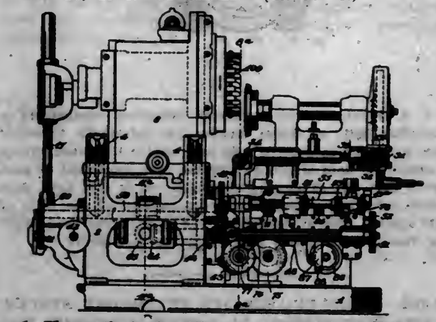
1. In a waist supported garment, a body covering having the top portion thereof divided at the hip sections of the same to form a forepart and a drop flap, said forepart being provided at the waistline thereof with an elastic band having the ends thereof permanently secured at the ends of said forepart with the intermediate parts of said forepart slidably supported on said elastic band to effect a gathering feature to said forepart, and a restraining means extending rearwardly beyond said forepart for engaging the same in supported relation about the waist of the wearer, and said drop-flap being also provided at the waistline thereof with an elastic band having the ends thereof permanently secured to the sides of said drop-flap with the intermediate portions of said drop-flap slidably supported on said last mentioned elastic band for effecting a gathering and self-contracting feature for the waistline of said drop-flap; and coacting fastening means provided at the sides of said forepart and said drop-flap at the waistline sections thereof, adapted to temporarily support said drop-flap in wearing relation with said forepart of said garment.

15,758. AIRPLANE-RECEIVING APPARATUS. RICHARD GIBBONS, Brooklyn, N. Y., assignor to Mary A. Kenney, Brooklyn, N. Y. Filed Dec. 14, 1923. Serial No. 680,771. Original No. 1,437,236, dated Nov. 28, 1922, Serial No. 317,672, filed Aug. 15, 1919. 29 Claims. (Cl. 244—2.)



1. An airplane receiving apparatus comprising a runway adapted to receive an airplane, and means for moving the airplane supporting surface of said runway in a plane substantially parallel to the direction of movement of an airplane along said runway, said means being operative to move the portions of said runway adjacent one end thereof at speeds progressively greater than the speeds at which the portions of the runway at the other end are moved.

15,759. METHOD OF AND MACHINE FOR CUTTING GEARS OR WHEELS. JAMES E. GLEASON and ARTHUR L. STEWART, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed June 25, 1923. Serial No. 647,746. Original No. 1,349,951, dated Aug. 17, 1920, Serial No. 879,026, filed Dec. 26, 1914. 51 Claims. (Cl. 90—4.)



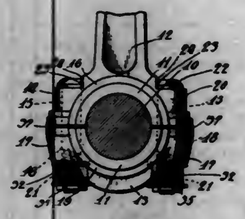
1. The method of cutting a gear or wheel which consists in moving a tool in a curved path with its point in a plane tangent to the root surface of the gear to be produced to shape the tooth, imparting a continuous indexing movement to the blank, and simultaneously producing a relative rolling motion between the blank and tool to generate the tooth.

15,760. ROTARY JAR. JAMES ALLEN KAMMERDINER, Los Angeles, Calif. Filed Dec. 17, 1923. Serial No. 681,306. Original No. 1,469,305, dated Oct. 2, 1923, Serial No. 597,726, filed Oct. 30, 1922. 10 Claims. (Cl. 255—27.)



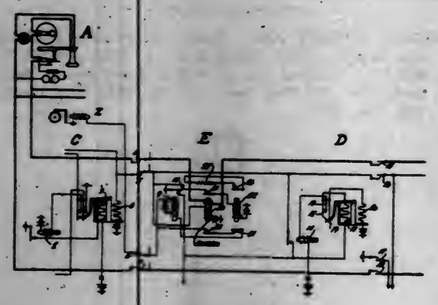
1. A rotary jar comprising two sections slackly linked together and rotatable with respect to one another, shoulders on said sections arranged so that they may engage one another and hold said sections in a contracted position, said shoulders being arranged so that by rotating said sections they may disengage thereby tripping and permitting the sections to be arrested by impact of the linked parts.

15,761. AUTOMATIC BEARING ADJUSTER. JOHN F. ROSE, Davenport, Iowa, assignor to Kil-Nock Company, a Corporation of Illinois. Filed Aug. 15, 1923. Serial No. 657,645. Original No. 1,453,184, dated Apr. 24, 1923, Serial No. 453,932, filed Mar. 21, 1921. 4 Claims. (Cl. 85—32.)



3. A device of the character described comprising a threaded bolt, a sleeve having an interiorly threaded bore arranged to receive said bolt, and a torsional spring mounted on said sleeve having one end connected to said sleeve and the other end connected with said bolt, said sleeve extending substantially throughout all the coils of said spring, thereby supporting the coils thereof and limiting the space occupied by said spring and sleeve.

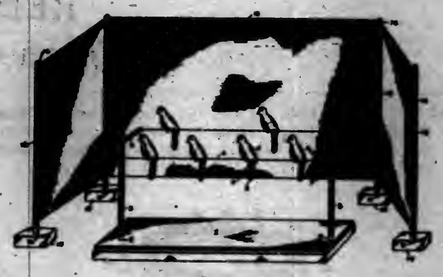
15,762. MEASURED-SERVICE TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1923. Serial No. 610,340. Original No 1,379,068, dated May 24, 1921, Serial No. 276,463, filed Feb. 12, 1919. 20 Claims. (Cl. 179—9).



1. In a telephone system, a meter, a circuit therefor, a meter controlling relay, means for operating said meter controlling relay to close one point of said circuit, and auxiliary controlling means for delaying the operation of said meter by holding said circuit open at another point for a predetermined interval beginning when said circuit is closed at the first point.

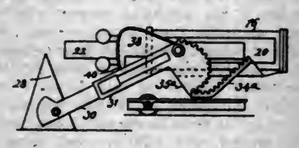
15,763. GAME. ISAAC W. DOREMUS, West Englewood, N. J., assignor, by mesne assignments, to Doremus, Schoen & Co., Inc., New York, N. Y., a Corporation of New York. Filed July 3, 1923. Serial No. 649,222. Original No. 1,383,610, dated July 5, 1921, Serial No. 468,682, filed May 11, 1921. 8 Claims. (Cl. 124—15.)

1. In a game the combination of a base member supporting upright rigid members, around the upper ends of which is strung a flexible member on which is supported a group of objects resting in balanced position, together with a number of secondary base members each



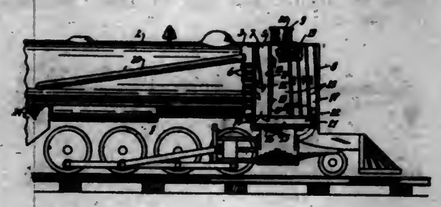
supporting perpendicular uprights on which a net is secured, thereby serving as a backstop for missiles projected at said balanced objects.

15,764. LOADING MACHINE. FRANK BILLINGS and ROBERT P. GREENLEAF, Cleveland, Ohio; said Greenleaf assignor to said Billings. Filed July 16, 1920. Serial No. 396,836. Original No. 1,322,476, dated Nov. 18, 1919, Serial No. 179,300, filed July 9, 1917. 17 Claims. (Cl. 214—134.)



16. In a loading machine, a shovel and power operated mechanism for giving the shovel a filling movement and a lifting movement for dumping purposes, the lifting means including an element through which force is transmitted through a leverage which is at a maximum at substantially the time of greatest resistance to lifting, and which gradually decreases as dumping position is approached.

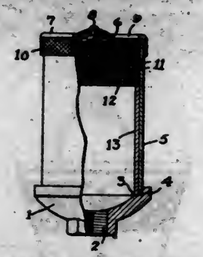
15,765. SPARK ARRESTER FOR LOCOMOTIVES. COTTER S. CHALFANT, Chicago, Ill. Filed Mar. 9, 1923. Serial No. 624,025. Original No. 1,408,075, dated Feb. 28, 1922, Serial No. 426,643, filed Nov. 26, 1920. 8 Claims. (Cl. 110—50.)



1. The combination with a flue outlet chamber and a smoke outlet chamber at the front end of a locomotive engine, said smoke outlet chamber being provided with a stack, and said flue outlet chamber having an inlet for a pressure fluid, of a spiral conduit arranged in said chambers with one open end thereof positioned directly above the inlet for the pressure fluid and with the other end thereof positioned directly beneath and adjacent to the stack orifice, means for conducting the gases of combustion from the fire tubes with the entrained unconsumed solid substances into position to enter the conduit at its first named end, and a declined conduit communicating with the spiral conduit at its last named end and leading to the fire box of the engine for conducting the unconsumed solid substances to the latter.

15,766. AIR HUMIDIFIER. ROBERT W. HARDIE, Fanwood, N. J. Filed Nov. 20, 1923. Serial No. 675,962. Original No. 1,404,700, dated Jan. 24, 1922, Serial No. 491,088, filed Aug 10, 1921. 6 Claims. (Cl. 183—44.)

1. An air humidifying device comprising a casing having an inlet aperture and a plurality of discharge apertures, a vapor conditioning member having a plurality of superimposed layers of foraminous, non-absorbent material within said casing, with its discharge face adjacent to the interior surface of the apertured part of the discharge end of said casing, with apertures of said member communicating directly with the discharge apertures

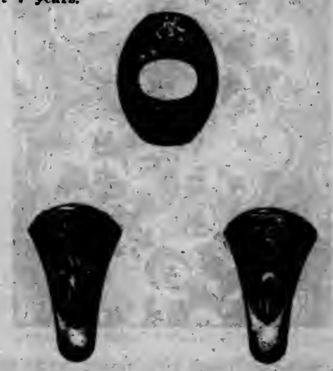


of said casing, and a discharge control plate mounted upon said casing and adapted to expose or cover said discharge apertures.

DESIGNS

FEBRUARY 12, 1924.

63,925. RING. CHARLES W. BAILEY, Philadelphia, Pa., assignor to The Bailey, Banks & Biddle Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1922. Serial No. 3,600. Term of patent 7 years.



The ornamental design for a ring, as shown.

63,926. RING. CHAMP J. BARTH and JOSEPH RAYMOND PIERCE, Minneapolis, Minn. Filed Feb. 20, 1923. Serial No. 5,215. Term of patent 7 years.



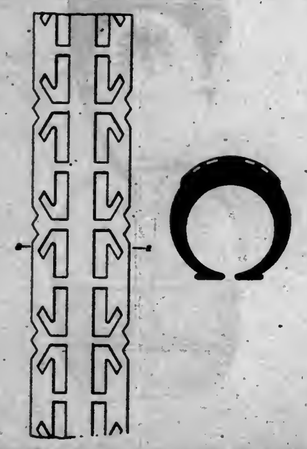
The ornamental design for a ring as shown.

63,927. FINGER RING. DAVID BELAIS, New York, N. Y., assignor to David Belais, Inc., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1923. Serial No. 5,627. Term of patent 3½ years.



The ornamental design for a finger ring, or similar article as shown.

63,928. TIRE. JOSEPH J. BLACK, Dayton, Ohio, assignor to The Master Tire & Rubber Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 13, 1923. Serial No. 5,815. Term of patent 3½ years.



The ornamental design for a tire, as shown.

63,929. GOBLET OR SIMILAR ARTICLE. EDGAR MOTT BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Dec. 20, 1922. Serial No. 4,645. Term of patent 14 years.



The ornamental design for a goblet or similar article, as shown.

63,930. GOBLET OR SIMILAR ARTICLE. EDGAR MOTT BOTTOME, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Dec. 20, 1922. Serial No. 4,646. Term of patent 14 years.



The ornamental design for a goblet or similar article, as shown.

63,931. RING. GARDINER S. BOWDEN, Brooklyn, N. Y., assignor to J. B. Bowden & Co., New York, N. Y., a Copartnership composed of Martin L. Bowden, Martin L. Bowden, jr., and Gardiner S. Bowden. Filed Aug. 28, 1923. Serial No. 7,109. Term of patent 3½ years.



The ornamental design for a ring substantially as shown.

63,932. TEXTILE FABRIC. JAMES H. BUNTING, Clifton, N. J., assignor to Susquehanna Silk Mills, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1923. Serial No. 7,519. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

63,933. SHOE VAMP. ROCCO CENTRONE, Brooklyn, N. Y., assignor of one-half to Frank Napoli, Brooklyn, N. Y. Filed Dec. 16, 1922. Serial No. 4,622. Term of patent 3½ years.



The ornamental design for a shoe vamp, as shown.

63,934. ARM FOR LIGHTING FIXTURES. ABRAHAM COOPER, Brooklyn, N. Y. Filed Mar. 16, 1923. Serial No. 5,490. Term of patent 3½ years.





The ornamental design for an arm for lighting fixtures, as shown.

63,935. TUBE CAP. THOMAS J. DOBBINS, Brooklyn, N. Y., assignor to Chesebrough Manufacturing Company (Consolidated), New York, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 4,533. Term of patent 14 years.





The ornamental design for a tube cap as shown.

63,936. RUG. JOHN A. FARRELL, Amsterdam, N. Y., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 7,405. Term of patent 7 years.



The ornamental design for a rug, substantially as shown.

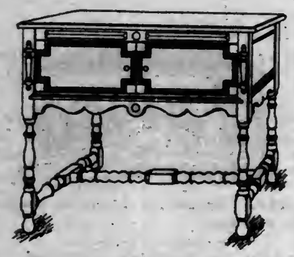
63,937. FINGER RING OR ARTICLE OF SIMILAR NATURE. LOUIS FIEDLER, New York, N. Y., assignor to Benjamin Gross Company, Inc., New York, N. Y., a Corporation of New York. Filed July 28, 1923. Serial No. 6,886. Term of patent 3½ years.





The ornamental design for a finger ring or article of similar nature as shown.

63,938. RADIO CABINET. WILLIAM A. FRENCH, Minneapolis, Minn., assignor to Wm. A. French Furniture Company, Minneapolis, Minn. Filed Aug. 4, 1923. Serial No. 6,940. Term of patent 7 years.



The ornamental design for a radio cabinet, as shown.

63,939. KETTLE OR SIMILAR ARTICLE. JOSEPH FRIEDMAN, Brooklyn, N. Y. Filed June 8, 1922. Serial No. 2,588. Term of patent 7 years.



The ornamental design for a kettle or similar article, as shown.

63,940. KETTLE OR SIMILAR ARTICLE. JOSEPH FRIEDMAN, Brooklyn, N. Y. Filed June 8, 1922. Serial No. 2,590. Term of patent 7 years.



The ornamental design for a kettle or similar article as shown.

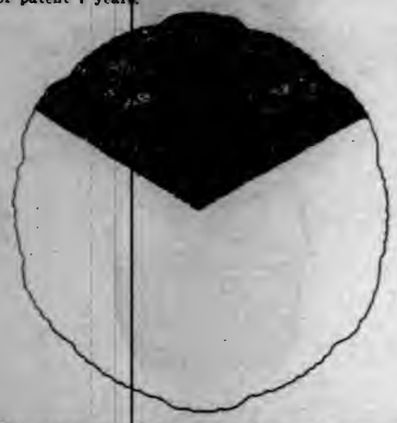
63,941. BOX OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Aug. 13, 1923. Serial No. 7,000. Term of patent 7 years.





The ornamental design for a box or similar article substantially as shown.

63,942. PLATE OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Aug. 31, 1923. Serial No. 7,131. Term of patent 7 years.



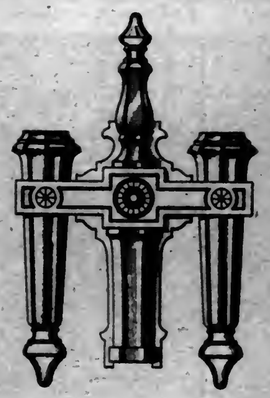
The ornamental design for a plate or similar article substantially as shown.

63,943. LIGHTING FIXTURE. WILFRED B. GODDARD, San Francisco, Calif. Filed Dec. 6, 1923. Serial No. 7,966. Term of patent 3½ years.



The ornamental design for a lighting fixture substantially as shown.

63,944. LIGHT FIXTURE. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1923. Serial No. 6,139. Term of patent 14 years.



The ornamental design for a light fixture as shown.

63,945. GLASS GOBLET OR SIMILAR ARTICLE. FRANK D. GREENAN, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 10, 1923. Serial No. 4,856. Term of patent 14 years.



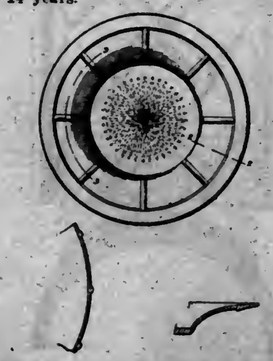
The ornamental design for a glass goblet or similar article, as shown.

63,946. DOLL. AGNES P. HANDLEY, Oakland, Calif. Filed Aug. 29, 1923. Serial No. 7,117. Term of patent 14 years.



The ornamental design for a doll, as shown.

63,947. PLATE. T. CLARENCE HEISEY, Newark, Ohio assignor to A. H. Heisey & Company, Newark, Ohio. Filed Mar. 14, 1923. Serial No. 5,467. Term of patent 14 years.



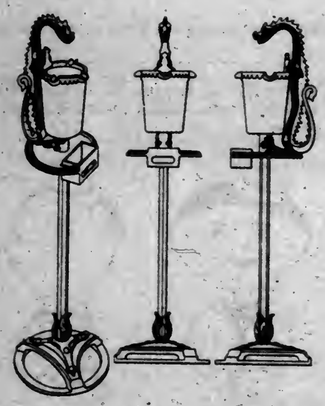
The ornamental design for a plate, as shown.

63,948. STATUETTE. ALMA V. HENDLEY, Kansas City, Mo. Filed Feb. 2, 1923. Serial No. 5,057. Term of patent 3½ years.



The ornamental design for a statuette as shown.

63,949. COMBINED ASH TRAY, RECEIVER, AND STAND. SYLVANUS D. LOCKE, Bridgeport, Conn. Filed Aug. 29, 1923. Serial No. 7,118. Term of patent 8½ years.



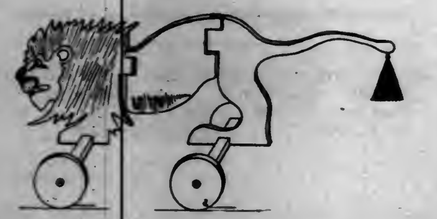
The ornamental design for a combined ash tray, receiver and stand, as shown.

63,950. TIRE TREAD. CARL G. LUNDSTROM, Cleveland, Ohio. Filed Dec. 6, 1922. Serial No. 4,514. Term of patent 3½ years.



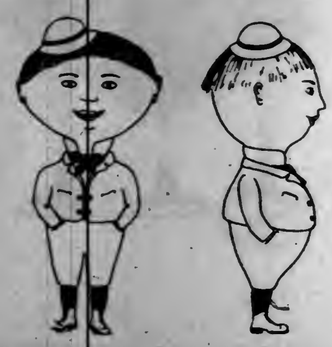
The ornamental design for a tire tread, substantially as shown.

63,951. TOY ANIMAL. RODNEY H. MARCHANT, Oakland, Calif. Filed Feb. 8, 1922. Serial No. 597. Term of patent 3½ years.



The ornamental design for a toy animal, as shown.

63,952. STATUETTE. GABRIEL MAROTTA, Seattle, Wash. Filed Sept. 29, 1923. Serial No. 7,367. Term of patent 3½ years.



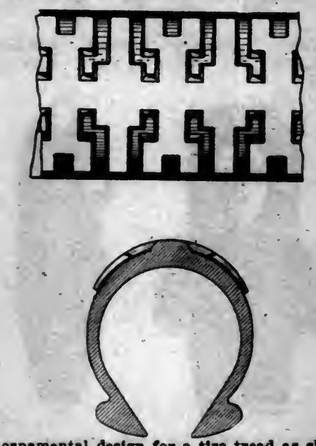
The ornamental design for a statuette, as shown.

63,953. DESK. JOSEPH R. MCCABGAR, Grand Rapids, Mich., assignor to Stow & Davis Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Nov. 1, 1923. Serial No. 7,644. Term of patent 3½ years.



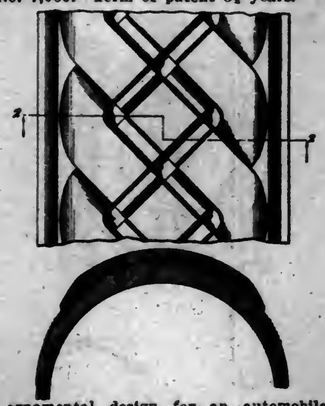
The ornamental design for a desk, substantially as shown.

63,954. TIRE TREAD. GEORGE C. MCCONNELL, Massillon, Ohio, assignor to Fidelity Tire & Rubber Co., a Corporation of Illinois. Filed Feb. 13, 1922. Serial No. 675. Term of patent 3½ years.



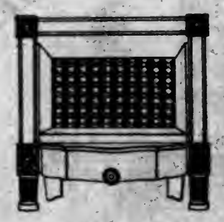
The ornamental design for a tire tread as shown.

63,955. AUTOMOBILE TIRE. JULES HAUVETTE MICHELIN, New Brunswick, N. J. Filed Aug. 22, 1923. Serial No. 7,060. Term of patent 3½ years.



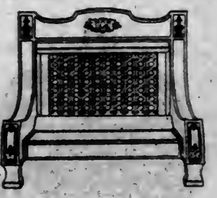
The ornamental design for an automobile tire as shown.

63,956. HEATER. FRANK A. NIEBERDING, Cleveland, Ohio, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 7,297. Term of patent 3½ years.



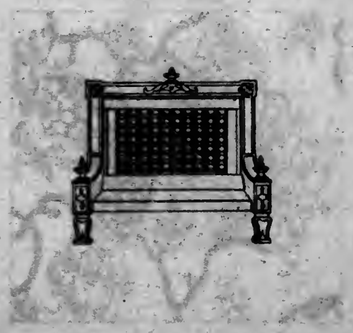
The ornamental design for a heater, as shown.

63,957. HEATER. FRANK A. NIEBERDING, Cleveland, Ohio, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 7,298. Term of patent 3½ years.



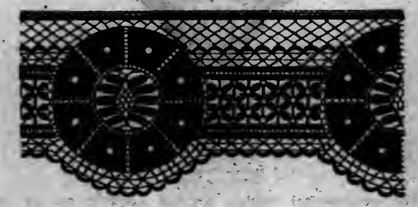
The ornamental design for a heater, as shown.

63,958. HEATER. FRANK A. NIEBERDING, Cleveland, Ohio, assignor to The Guardian Gas Appliance Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 7,299. Term of patent 3½ years.



The ornamental design for a heater, as shown.

63,959. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Nov. 20, 1923. Serial No. 7,826. Term of patent 14 years.



The ornamental design for lace substantially as shown.

63,960. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Nov. 21, 1923. Serial No. 7,838. Term of patent 14 years.

The ornamental design for lace substantially as shown.

63,961. EARRING. HENRY L. PEACOCK, Dallas, Tex. Filed Apr. 30, 1923. Serial No. 6,008. Term of patent 3½ years.



The ornamental design for an earring, as shown.

63,962. ELECTRIC CANOPY. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 12, 1923. Serial No. 7,475. Term of patent 3½ years.



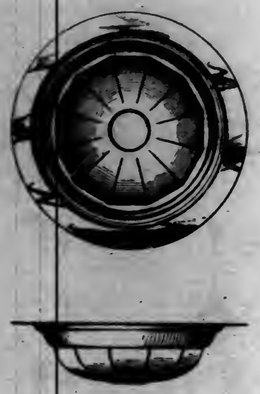
The ornamental design for an electric canopy, as shown.

63,963. ELECTRIC-SOCKET COVER. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 12, 1923. Serial No. 7,477. Term of patent 3½ years.



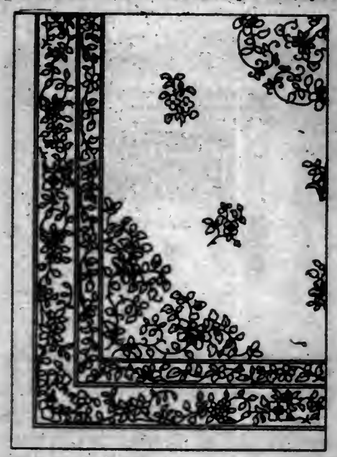
The ornamental design for an electric socket cover, as shown.

63,964. FRUIT BOWL OR SIMILAR ARTICLE. PHILIP PUTTERMAN, New York, N. Y. Filed Nov. 5, 1923. Serial No. 7,684. Term of patent 3½ years.



The design for a fruit bowl or similar article as shown.

63,965. RUG. FRANCIS F. RAINSFORD, Amsterdam, N. Y., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Oct. 13, 1923. Serial No. 7,494. Term of patent 7 years.



The ornamental design for a rug, substantially as shown.

63,966. WAFFLE-BAKING IRON. EDDIE ROBINSON and ALBERT F. ABREO, Kansas City, Mo. Filed Sept. 10, 1923. Serial No. 7,176. Term of patent 7 years.



The ornamental design for a waffle baking iron, as shown.

63,967. TEXTILE FABRIC. MAX ROTHSCHILD, New York, N. Y., assignor to Susquehanna Silk Mills, a Corporation of New York. Filed Nov. 19, 1923. Serial No. 7,814. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

63,968. BOTTLE. CLAUD A. SEARS, Columbus, Ga., assignor to Chero-Cola Company, Columbus, Ga., a Corporation of Georgia. Filed Sept. 15, 1923. Serial No. 7,217. Term of patent 14 years.



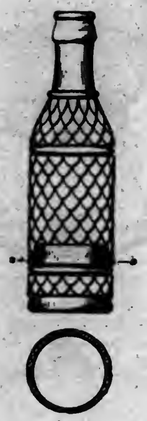
The ornamental design for a bottle, as shown.

63,969. BOTTLE. CLAUD A. SEARS, Columbus, Ga., assignor to Chero-Cola Company, Columbus, Ga., a Corporation of Georgia. Filed Sept. 19, 1923. Serial No. 7,265. Term of patent 14 years.



The ornamental design for a bottle, as shown.

63,970. BOTTLE. CLAUD A. SEARS, Columbus, Ga., assignor to Chero-Cola Company, Columbus, Ga., a Corporation of Georgia. Filed Sept. 19, 1923. Serial No. 7,266. Term of patent 14 years.



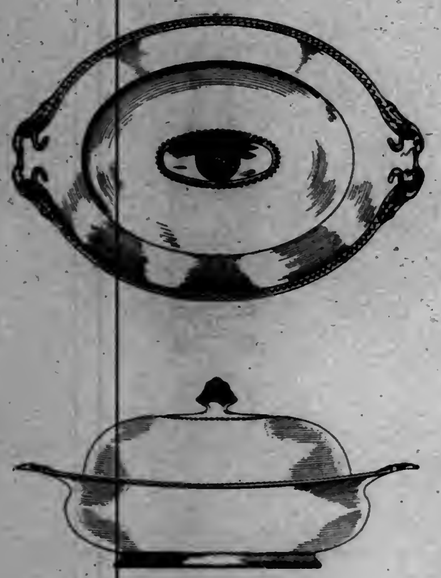
The ornamental design for a bottle, as shown.

63,971. BOTTLE. CLAUD A. SEARS, Columbus, Ga., assignor to Chero-Cola Company, Columbus, Ga., a Corporation of Georgia. Filed Sept. 19, 1923. Serial No. 7,267. Term of patent 14 years.



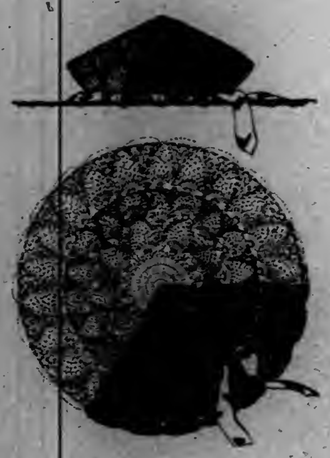
The ornamental design for a bottle, as shown.

63,972. COVERED DISH. CHARLES L. SEBRING and EDWARD BROOKS, Sebring, Ohio, assignors to The Sebring Pottery Company, Sebring, Ohio, a Corporation of Ohio. Filed Nov. 17. 1923. Serial No. 7,801. Term of patent 7 years.



The ornamental design for a covered dish, substantially as shown.

62,973. HAT. BERTHA SCHARPEN, Fessenden, N. Dak. Filed Oct. 29. 1923. Serial No. 7,618. Term of patent 7 years.



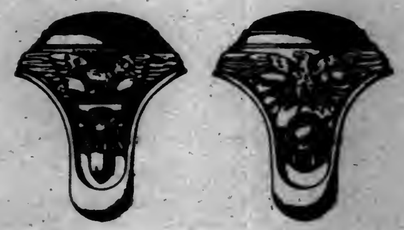
The ornamental design for a hat, as shown.

63,974. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Oct. 23, 1923. Serial No. 7,575. Term of patent 7 years.



The ornamental design for a belt buckle frame, as shown.

63,975. RING. FREDERICK A. SHIMP, Philadelphia, Pa., assignor to Skillkrafters Incorporated, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 13, 1923. Serial No. 4,876. Term of patent 3½ years.



The ornamental design for a ring, as shown.

63,976. DOLL. MAY R. SMITH, Brooklyn, N. Y. Filed July 12, 1922. Serial No. 3,042. Term of patent 3½ years.



The ornamental design for a doll substantially as shown.

63,977. LAMP SHADE. ELMER L. SNYDER, Sioux City, Iowa. Filed Mar. 26, 1923. Serial No. 5,594. Term of patent 3½ years.



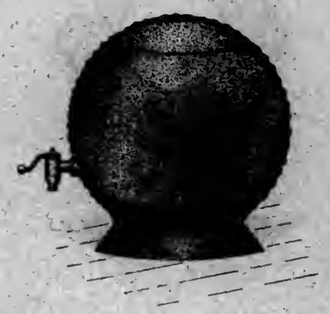
The ornamental design for a lamp shade, as shown.

63,978. MONUMENT. WILLIAM V. TIPPING, Marshall, Mo. Filed Oct. 15, 1923. Serial No. 7,505. Term of patent 14 years.



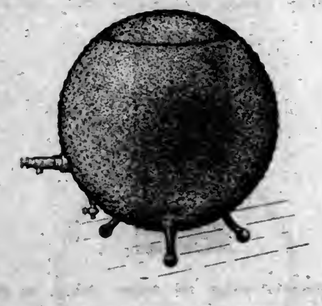
The ornamental design for a monument as shown.

63,979. BEVERAGE-DISPENSING APPARATUS. JOHN M. TRAVIS, St. Louis, Mo. Filed July 27, 1921. Serial No. 488,013. Term of patent 14 years.



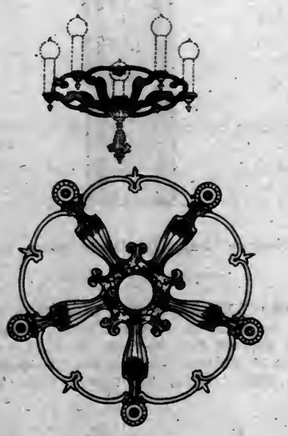
The ornamental design for a beverage dispensing apparatus, as shown.

63,980. BEVERAGE-DISPENSING APPARATUS. JOHN M. TRAVIS, St. Louis, Mo. Filed July 27, 1921. Serial No. 488,014. Term of patent 14 years.



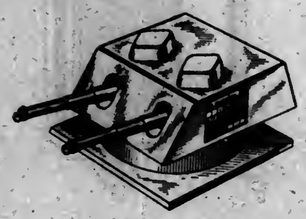
The ornamental design for a beverage dispensing apparatus, as shown.

63,981. LIGHTING-FIXTURE UNIT. ALBERT ULLMAN, Cleveland, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio., a Corporation of Ohio. Filed Mar. 5, 1923. Serial No. 5,366. Term of patent 3½ years.



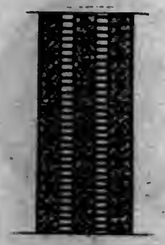
The ornamental design for a lighting fixture unit, as shown.

63,982. COMBINATION INKSTAND AND DESK-SUPPLIES HOLDER. FRANK L. WAASER, Glenbrook, Conn. Filed Nov. 22, 1921. Serial No. 517,118. Term of patent 7 years.



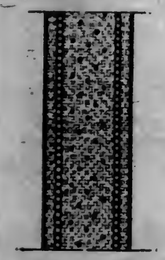
The ornamental design for a combination inkstand and desk supplies holder substantially as shown.

63,983. FABRIC RIBBON. ERNEST WALBRECKER, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a Corporation of Pennsylvania. Filed Sept. 19, 1923. Serial No. 7,272. Term of patent 7 years.



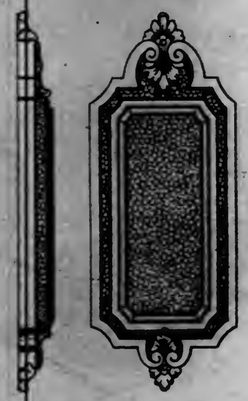
The ornamental design for fabric ribbon, as shown.

63,984. FABRIC RIBBON. ERNEST WALBRECKER, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a Corporation of Pennsylvania. Filed Sept. 19, 1923. Serial No. 7,273. Term of patent 7 years.



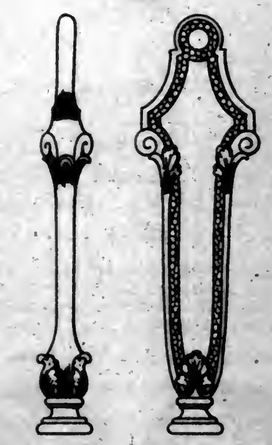
The ornamental design for fabric ribbon, as shown.

63,985. BRACKET BACK FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., Newark, N. J., a Copartnership composed of William Goldberg and Abe Goldberg. Filed Nov. 6, 1923. Serial No. 7,691. Term of patent years.



The ornamental design for a bracket-back for lighting fixtures, as shown.

63,986. LOOP FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., Newark, N. J., a Copartnership composed of William Goldberg and Abe Goldberg. Filed Nov. 6, 1923. Serial No. 7,692. Term of patent 7 years.



The ornamental design for a loop for lighting fixtures, as shown.

63,987. CANOPY RING FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., Newark, N. J., a Copartnership composed of William Goldberg and Abe Goldberg. Filed Nov. 6, 1923. Serial No. 7,693. Term of patent 7 years.



The ornamental design for a canopy ring for lighting fixtures, as shown.

63,988. TIRE. CHARLES H. WHEELER, East Palestine, Ohio, assignor to The National Tire & Rubber Company, East Palestine, Ohio. Filed Dec. 8, 1923. Serial No. 7,976. Term of patent 14 years.



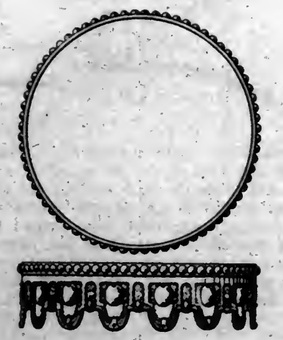
The ornamental design for a tire as shown.

63,989. GARTER OR ARMLET. ALMA WOODWARD, New York, N. Y. Filed Sept. 15, 1923. Serial No. 7,207. Term of patent 7 years.



The ornamental design for a garter or armlet as shown.

63,990. BAND FOR CHANDELIER FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,319. Term of patent 7 years.



The ornamental design for a band for chandelier fixtures, as shown.

PATENTS

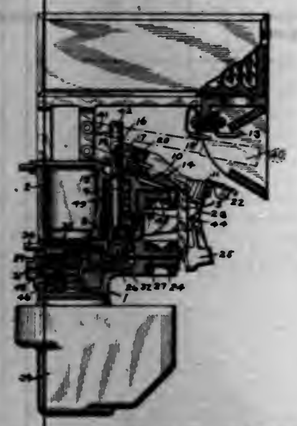
GRANTED FEBRUARY 12, 1924.

1,483,063. PARING KNIFE. WILLIAM E. ANDERSON, Jamestown, N. Y. Filed Nov. 20, 1922. Serial No. 602,027. 14 Claims. (Cl. 30—20.)



1. A paring-knife guard comprising a frame or body constructed and arranged to be mounted on the knife-blade and said frame having a curved part for engaging and bending the inserted knife-blade laterally on itself, the lower part of said frame being spaced apart from the cutting-edge of the knife-blade and forming a gage for the cutting-edge and being curved on a greater radius or arc than said cutting-edge, the two said curves forming a crescent shaped space between them.

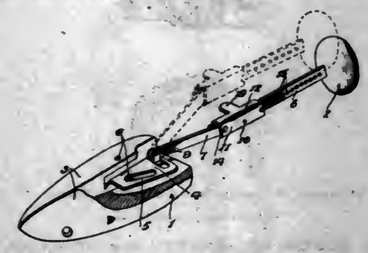
1,483,064. MOTOR-CONTROLLING DEVICE. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 14, 1919. Serial No. 330,601. 9 Claims. (Cl. 172—288.)



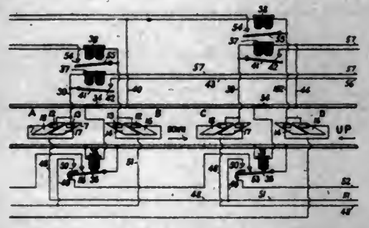
1. In a motor controlling device, the combination with a resistance, of a switch mechanism movable to an initial position for connecting said resistance into the motor circuit and adapted upon a further movement to a final position to short-circuit said resistance, means for moving said switch mechanism to its initial position, and a spring for moving said switch mechanism to its final position upon the reverse movement of said means.

1,483,065. SHOE TREE. ANDREW R. ANDERSON, North Arlington, N. J.; Arthur R. Anderson executor of said Andrew R. Anderson, deceased. Filed Jan. 27, 1922. Serial No. 532,185. 7 Claims. (Cl. 12—128.2.)

1. In a shoe last, toe and heel parts, shank members connected with said parts, means connecting the shank members for relative longitudinal adjustment comprising a locking member pivotally connected to one of said shank members and slidably engaging the other shank member, the locking member and its supporting shank member, as one unit, and the second mentioned shank member, as another unit, being relatively laterally displaceable, means yieldably holding the units against such displacement, and coacting locking means upon the locking and second mentioned shank members arranged to be rendered inactive upon displacement of said members.



1,483,066. RAILWAY SAFE-RUNNING DEVICE. ARTHUR REGINALD ANGUS, Minehead, England. Filed Oct. 1, 1913. Serial No. 792,706. 7 Claims. (Cl. 246—71.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A train protecting device comprising a bonded track having one of the rails divided into insulated sections, a normally deenergized testing relay connected across the rails at one end of each section and adapted to control current paths, track contacts pertaining to the other end of each of said sections and located appropriately for controlling admission thereto and connected to said current paths respectively, other track contacts pertaining to each of said sections respectively, electrically controlled train means including warning and stopping means, a vertically displaceable train contact coacting with the first mentioned track contacts, and a laterally displaceable train contact co-acting with the second mentioned track contacts, said train means being designed to energize the testing relays and pass a current of predetermined value through the train means to restrain the warning and stopping means when the track is clear.

1,483,067. INTERCHANGEABLE AND ADJUSTABLE SIGN. CULLYE T. BERRY, Montgomery County, near Dayton, Ohio. Filed Jan. 19, 1923. Serial No. 613,790. 3 Claims. (Cl. 85—32.)

3. The combination with a sign, of a lamp for illuminating the same, a wire-containing conduit mounted on the sign for supporting said lamp in front of the latter, a conical reflector rotatably mounted on said conduit around the lamp, different colored lenses secured within the periphery of said reflector, means for rotating said reflector, a conical shield having a hub portion secured to said conduit within the reflector, and a conical



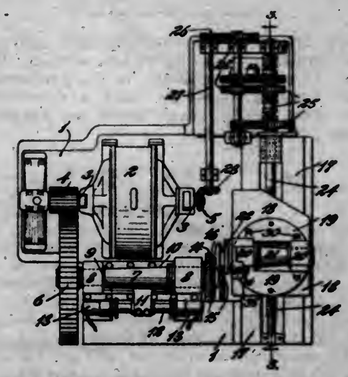
shutter free to turn on said hub portion within the shield for the purpose of providing between it and the shutter an adjustable opening to project the rays of the lamp through each lens upon the sign when said lens is carried past the opening by the rotatable reflector.

1,483,068. SAFETY DEVICE FOR BOMB FUSES. WILLIAM A. BORDEN, U. S. Army. Filed June 27, 1922. Serial No. 571,222. 4 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



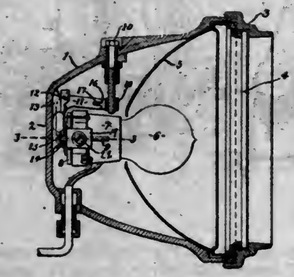
1. The combination with a fuse, including a wind wheel formed with a radially extending portion provided with an aperture, a portion stationary with respect to the wind wheel and adjacent thereto, said portion formed with a radial extension provided with an aperture with which the aperture in the wind wheel may be brought into alinement, of a wire passing through the apertures and formed with a loop whereby the wire may be withdrawn from the apertures when a bomb carrying the fuse is launched.

1,483,069. RING-ROLLING MACHINE. GOUVERNEUR G. BROWNE, Winchester, N. H. Filed June 22, 1921. Serial No. 479,472. 4 Claims. (Cl. 80—5.)



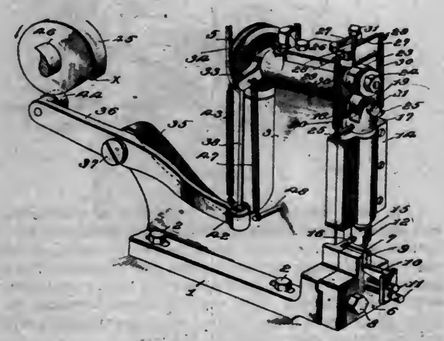
4. A ring rolling machine, comprising a rotatably mounted forming roll, a swivel head adjacent to said forming roll, a second forming roll rotatably mounted in said swivel head to cooperate with said first forming roll, means for moving said swivel head bodily so as to feed said second forming roll transversely of said first forming roll, and means for rotating said first forming roll, said feed means and said rotating means having a common source of power.

1,483,070. HEADLIGHT. FRANK BUCHANAN, Syracuse, N. Y. Filed Aug. 27, 1919. Serial No. 320,082. 2 Claims. (Cl. 240—44.)



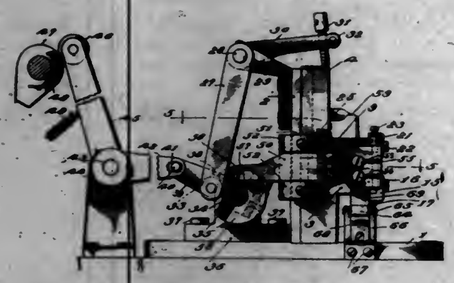
1. A headlight comprising a casing, a concave reflector in the casing, a guide carried by the rear wall of the casing in the rear of the reflector, a lamp socket support mounted on the guide and movable thereon axially of the reflector, means for shifting the support along the guide comprising an angle lever carried by the casing and having one arm thereof connected to the support substantially centrally thereof in the axial line of the lamp socket, and an operating member connected to the other arm of the lever and arranged at an angle to the axis of the support and extending through a peripheral wall of the casing, substantially as and for the purpose specified.

1,483,071. RIVETING MACHINE. JOHN A. CALDER, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed June 15, 1921. Serial No. 477,708. 8 Claims. (Cl. 78—38.)



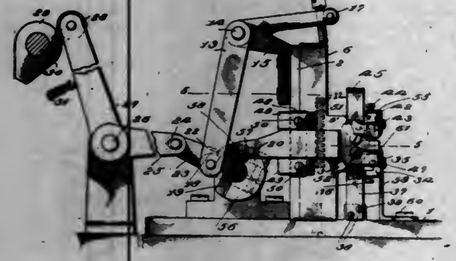
1. A riveting machine including in combination, a riveting hammer, a rotating shaft, a reciprocating member carrying said hammer, an actuating member carried by the shaft for moving said reciprocating member, means for yieldingly holding said reciprocating member in contact with the actuating member on the shaft, and means for shifting the actuating shaft toward and from the article being riveted for varying the reciprocating position of the riveting hammer.

1,483,072. RIVET-CUTTING DEVICE. JOHN A. CALDER, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed July 13, 1921. Serial No. 484,406. 14 Claims. (Cl. 164—44.)



1. A rivet cutting machine including in combination, two pairs of cooperating cutters, means for operating the cutters in the respective pairs for cutting the rivet at each end thereof, and means for moving one pair of cutters bodily toward and from the other for clamping the article carrying the rivet to be cut and thus holding the rivet relative to the cutters for the cutting action thereon.

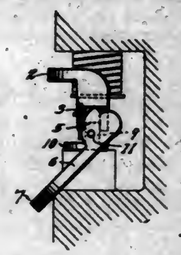
1,483,073. RIVET-CUTTING MACHINE. JOHN A. CALDER, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed July 13, 1921. Serial No. 484,407. 8 Claims. (Cl. 164—44.)



1. A rivet cutting machine including in combination, two pairs of cooperating cutters, means for operating the cutters of the respective pairs to cut the rivet at each end thereof, means for moving one pair of cutters toward and from the other for determining the length of the rivet, said cutters having their cutting edges arranged in a plane at an acute angle to the line of reciprocation of the cutters during the cutting of the rivet.

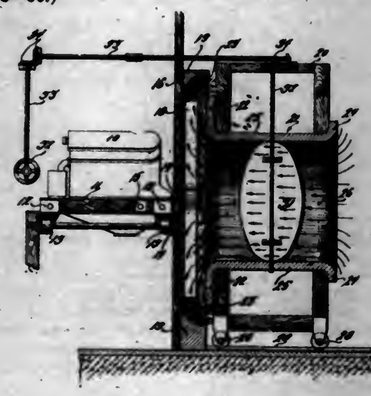
1,483,074. VALVE TOOL. WALTER D. CARROW, Chicopee Falls, Mass. Filed July 3, 1922. Serial No. 572,611. 2 Claims. (Cl. 29—86.3.)

1. A device of the class described comprising a chair for insertion under the greater portion of the valve spring of an engine, a semi-circular handle attached to the chair and arranged to encompass the valve spring, a plurality of cams having a peaked end portion, said cams being arranged to engage with the chair for raising and lowering the same, and means for operating the cams



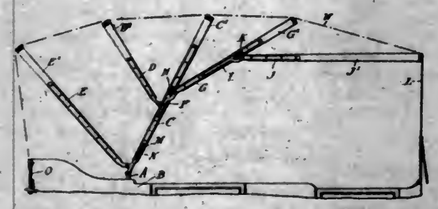
whereby the cams will actuate under the chair for raising and lowering the same and for locking in a set position on the peaked portion.

1,483,075. MOTOR-TESTING APPARATUS. ROLAND CHILTON, Keyport, N. J., assignor to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Jan. 17, 1923. Serial No. 613,261. 22 Claims. (Cl. 188—90.)



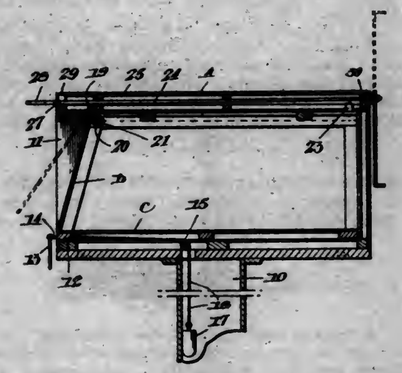
1. In the art of testing an engine, a test club adapted for rotation in a fluid and drivably secured to the engine to be tested, in combination with means for controllably leading said fluid to the center of said club.

1,483,076. FOLDING TOP FOR VEHICLES AND OTHER STRUCTURES. JAMES H. CLOYES, Chicago, Ill., assignor, by mesne assignments, to The Ashtabula Bow Socket Company, Ashtabula, Ohio, a Corporation of Ohio. Filed Oct. 8, 1913. Serial No. 794,032. 26 Claims. (Cl. 296—116.)



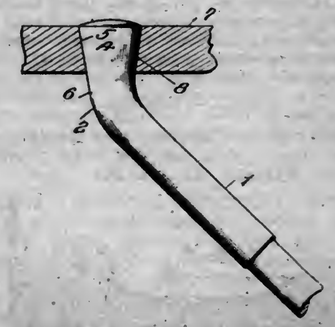
1. In a vehicle top, the combination with a main bow pivotally attached to the vehicle body, of an articulated outrigger bow supported from said main bow intermediate the base and top thereof so as to be foldable into substantially parallel relation therewith, and means independent of the joints of said outrigger bow adapted to limit the amount of bending at such joints past the center, when the top is extended, to a point where an upstanding arched structure is formed.

1,483,077. RURAL MAIL BOX. JOSEPH ELWELL COLE, Dacre, Ontario, Canada. Filed Mar. 12, 1923. Serial No. 624,640. 5 Claims. (Cl. 232—45.)



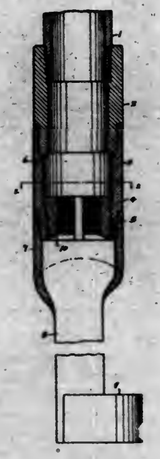
1. A mail box of the character described comprising a casing closed at one end and open at the other end, a reciprocal carriage in the casing, a door adapted to automatically open and close as the carriage is moved forwardly and rearwardly, said door being hingedly mounted on the casing and a roller on the carriage adapted to engage the door.

1,483,078. SPOKE CONNECTION. HARMON J. COOK, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Oct. 20, 1921. Serial No. 508,973. 2 Claims. (Cl. 301—59.)



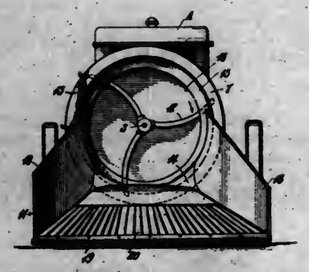
2. A spoke connection comprising a hub formed with a conical shaped spoke hole, the walls of which in longitudinal section are straight lines substantially symmetrically disposed about the center line of the hole, and a spoke formed with a conical enlargement shaped to conform to the spoke hole, the end of the spoke being slightly rounded and substantially flush with the inner face of the hub, and the body portion of the spoke being bent at an acute angle to the longitudinal center of the spoke hole said conical enlargement continuing its taper beyond the point of its connection with the hub and extended toward the main or central portion of the spoke.

1,483,079. FISHING TOOL. THOMAS B. COUCH, Wichita Falls, Tex. Filed Apr. 10, 1922. Serial No. 551,022. 3 Claims. (Cl. 294—102.)



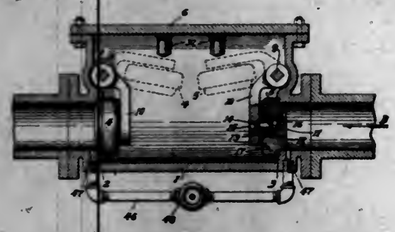
1. A fishing tool, including a tubular body formed with a downwardly tapering seat, a pipe engaging jaw resting on said tapering seat, a shank depending from said body at one side, a pipe engaging hook carried by the lower end of the shank, said fishing tool being provided with a water course extending therethrough from the upper to the lower end.

1,483,080. SNOWPLOW. FRANK SHIELDS CURRIE, Webster City, Iowa. Filed Sept. 26, 1921. Serial No. 503,263. 1 Claim. (Cl. 37—43.)



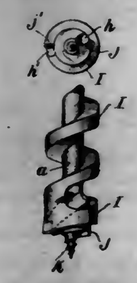
In a snow-shovelling attachment for an automobile, the combination of a fan attachable to the automobile's crank-shaft, a channel in which the fan is rotatable by means of a crank-shaft, a pair of brackets attachable to opposite sides of the automobile's chassis and having said channel secured thereto, a scoop secured on said brackets and having an air inlet in its lower rear portion and a snow outlet through which the snow can pass over the air inlets in the said channel, said channel having a snow outlet, said fan being adapted to suck air through the air inlet and thereby raise snow from said scoop to prevent clogging of the snow in the scoop's rear end.

1,483,081. VALVE. PETER P. DEAN, Sound Beach, Conn. Filed Mar. 17, 1921. Serial No. 451,868. 12 Claims. (Cl. 137—139.)



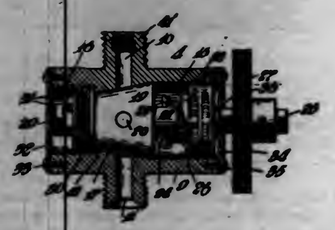
7. A valve having in combination two gates to control the flow of fluid therethrough, and means to close the gates at a predetermined rate of speed when fluid is not flowing and to close one of the gates at a higher rate when fluid is flowing.

1,483,082. DRILL BIT OR AUGER. HENRI DOSIMONT, Arville, Belgium, assignor to Etablissements Dosimont, Societe Anonyme, Brussels, Belgium, a Corporation. Filed Apr. 13, 1921. Serial No. 461,050. 6 Claims. (Cl. 145—117.)



1. In a bit or auger, a body formed of a cylindrical rod provided with a helical groove, a head at the end of said rod, the said head having an unbroken periphery and passages forming cutting orifices in said head, the said passages being formed as extensions of the helical groove, and ending in the face of the head perpendicularly to the longitudinal axis of the rod.

1,483,083. VALVE MECHANISM FOR LIQUID-VENDING MACHINES. JOHN FRITSCHE, Merion, Pa. Original application filed Sept. 16, 1919, Serial No. 324,154. Divided and this application filed May 24, 1922. Serial No. 563,201. 5 Claims. (Cl. 251—113.)



1. In a liquid vending machine, a valve casing having a plurality of ports and provided with a bore having a tapered valve seat therebetween and through which said ports open, said bore having a cylindrical portion forming with said seat a shoulder a conical valve to engage said seat, a ball bearing, and means to secure said ball bearing to said valve whereby said ball bearing engages said shoulder and serves to secure said valve in proper relation with respect to said ports and also as an anti-friction bearing.

1,483,084. MANUFACTURE OF N-SULPHATO-ALKYL COMPOUNDS. ARTHUR GEORGE GREEN and KENNETH HERBERT SAUNDERS, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Nov. 29, 1921. Serial No. 518,569. 11 Claims. (Cl. 260—27.)

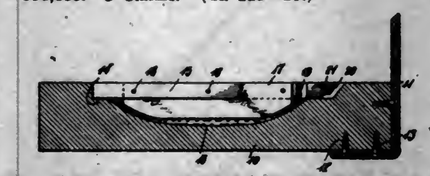
11. As new compounds green acid mordant dyeing triphenylmethane colouring matters which contain a carboxy group and are N-sulphato-ethyl compounds containing at least one ethyl sulphuric acid group attached to nitrogen and which upon treatment with caustic alkalies split off the SO_4H groups as alkaline sulphate.

1,483,085. SURGICAL BONE-CUTTING DEVICE. JAY A. HEIDBRINK, Minneapolis, Minn. Filed Apr. 21, 1921. Serial No. 463,421. 3 Claims. (Cl. 128—305.)



1. A surgical bone-cutting device comprising a holder for a cutting tool, a tubular member which receives an enlarged portion of said holder, a head secured to the forward end of said tubular member and having a bore through which a reduced portion of said holder extends slidably, a stop on the forward end of said holder which by engagement with said head limits rearward movement of said holder, a shaft-supporting member secured to the rear end of said tubular member, means for attaching said shaft-supporting member to the handle member of a dental engine, a shaft in said shaft-supporting member adapted for operation by the dental engine, a cam on the forward end of said shaft, a collar fixed in intermediate position in said tubular member, a shank extending slidably through said collar and having an enlargement on its rear end, a hammer head in the forward end of said shank, a coiled spring surrounding said shank between said hammer head and said collar, a roller carried by the rear of said shank and adapted to be forced rearwardly by the rotation of said cam, a fixed pin extending through a slot in said hammer head, and resilient means interposed between said pin and the rear of said tool holder.

1,483,086. CHICKEN ROOST. FRED HEINRICH, Whittemore, Iowa. Filed Apr. 18, 1922. Serial No. 554,488. 3 Claims. (Cl. 119—25.)

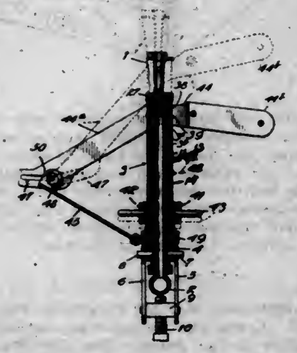


1. A chicken roost of the character described, comprising a body portion provided with a cut out portion open to its upper face and a reservoir open to said cut out portion and terminating short of the ends thereof, spaced inserts arranged in said cut out portion, a wick arranged in said inserts and extending into said reservoir, said inserts provided with an opening communicating with said reservoir, and said body portion being provided with an opening spaced from said cut out portion having communication with said reservoir, substantially as described.

1,483,087. AMMONIUM-NITRATE EXPLOSIVE. ROY LINDEN HILL, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,580. 9 Claims. (Cl. 52—11.)

1. An ammonium nitrate explosive containing 17 to 32% nitroaromatics of which at least 50% is trinitro toluene, a non-explosive inorganic nitrate and a liquid organic nitrate.

1,483,088. OIL STOVE. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Original application filed July 19, 1919, Serial No. 311,953. Divided and this application filed Jan. 3, 1921. Serial No. 434,497. 25 Claims. (Cl. 158—42.)



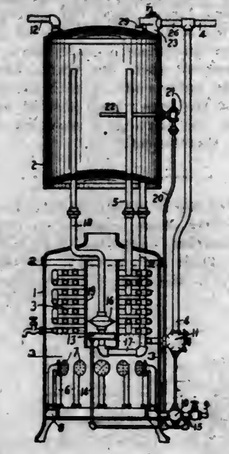
1. In an oil stove, the combination with an oil supply pipe and a burner, of a fitting mounted on said supply pipe, an extensible pipe connection between said fitting and said burner comprising an inner pipe section rising from the fitting, an outer section depending from the burner and telescoping over the inner pipe section, a tubular stem providing an annular channel around said inner pipe section for the reception of a quantity of mercury or the like into which the lower end of the outer pipe section is immersed, a pair of valve members upon said outer pipe section adapted to be seated upon the upper ends of said inner pipe section, a stem to form a closure for said annular channel, a locking sleeve rigid with said outer pipe section and surrounding said stem, said sleeve having at its lower end a shoulder, a lock-nut engaging said shoulder and said fitting to draw said sleeve downwardly and clamp said valve members upon their seats, and raising and lowering means for the burner comprising a bracket carried by said fitting, and a lever fulcrumed on said bracket and pivotally connected to said locking sleeve.

1,483,089. MOTION-TRANSMITTING MECHANISM. EARL B. HOUGH, Chicago, Ill., assignor to Guy M Peters, trustee, Chicago, Ill. Filed Sept. 11, 1920. Serial No. 409,560. 11 Claims. (Cl. 298—21.)



1. In combination, a load, a source of power, a pair of lever arms and a flexible element secured to one of said lever arms for applying power from said source to said load through said arms, first substantially directly through one of said arms and thereafter through a leverage including said arms.

1,483,090. WATER HEATER. RUFUS J. HUTCHINS, Middletown, Ohio. Filed July 18, 1921. Serial No. 485,602. 6 Claims. (Cl. 236—23.)



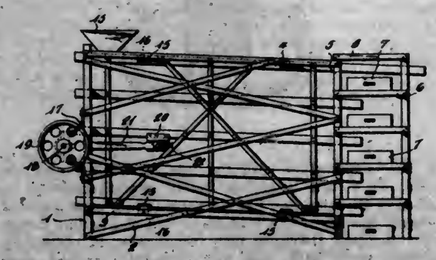
1. In a water heater, a tank, a heating element connected with said tank and comprising a plurality of superimposed coils, a burner arranged beneath said heating element, means to automatically control said burner, a casing arranged within the coils of the first mentioned heating element, a second heating element arranged wholly within said casing and having circulating connection with said tank, and a burner for said second heating element.

1,483,091. STORGAE-BATTERY CASING. LEO IMBLUM, Pueblo, Colo. Filed Dec. 23, 1921. Serial No. 524,430. 8 Claims. (Cl. 204—29.)



1. A unitary battery casing comprising a box having a plurality of transverse partitions, each of which is provided with a notch near the side of the box, and a channel in the top of each partition for the reception of a sealing compound.

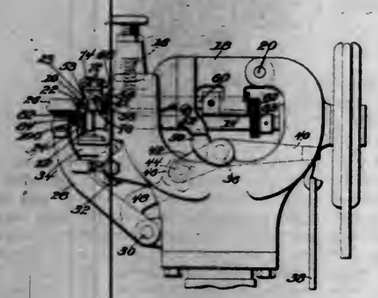
1,483,092. PEA SEPARATOR AND GRADER. PAUL CARL KRASKA, Amery, Wis. Filed Apr. 19, 1923. Serial No. 633,297. 8 Claims. (Cl. 130—32.)



1. A pea grader comprising a supporting frame, a plurality of interconnected collectively movable trays disposed longitudinally of and slidably supported upon

said frame, the bottom portions of each of said trays being perforated and the outer end of the uppermost tray being extended beyond the corresponding ends of the lower trays and having said extended end formed with perforations larger than the perforations in the remaining portion of the bottom thereof, means for imparting vibratory movement to said trays, and receiving receptacle supported upon the frame beneath and in proximity to the outer ends of each of said trays, the extended end of the upper tray passing over and being disposed beyond the particular receiving receptacle arranged directly therebeneath.

1,843,093. STOCK-FITTING MACHINE. ALBERT E. JOHNSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 2, 1919. Serial No. 287,009. 18 Claims. (Cl. 12—30.)



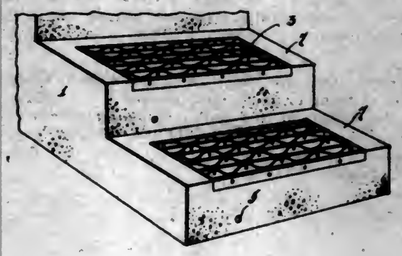
9. A machine for operating on lipped soles having, in combination, a frame, a shaft journaled therein, a roll carried by one end of the shaft to bear on one side of the lip, an arm pivoted on the frame, a parallel countershaft journaled therein, means for rotating said shafts one from the other, a stud-shaft mounted on said pivoted arm, a roll of relatively small diameter carried by the stud-shaft to bear on the other side of the lip, a driving mechanism between the stud-shaft and the countershaft for rotating the small roll at the same surface speed as the other roll.

1,483,094. SPONGE MOUNTING FOR FINGER MOISTENERS. GRIFFIN WILLIAMS JONES, Toronto, Ontario, Canada. Filed Jan. 20, 1923. Serial No. 613,909. 4 Claims. (Cl. 9—51.)



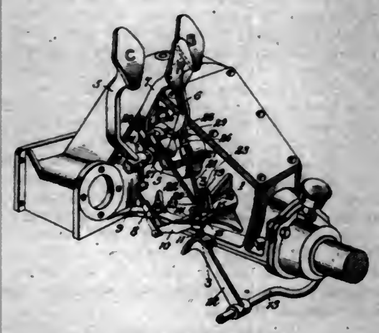
4. The combination with the liquid container and the sponge, of a rod extending freely therethrough in a transverse direction and having hook shaped ends adapted to engage the lip of the container, said rod having downwardly directed U shaped lugs terminating in outwardly extending ends, said lugs and outwardly turned ends adapted to engage respectively the inside face of the lip and its upper edge, said rod being constructed of resilient material.

1,483,095. MEANS FOR COLLECTING MUD, FOOT SCRAPINGS, WATER, AND THE LIKE DEPOSITED ON STEPS. CHARLES E. KAIN, Dallas, Tex. Filed Aug. 18, 1922. Serial No. 582,742. 4 Claims. (Cl. 72—96.)



1. In a step construction, a concrete body having a mud-receiving chamber and formed with a cut-out extending through the riser of the step and along the sides and ends of the chamber and through the top of the tread of the step to form a shoulder, and a removable grating conformably fitted in the top of the chamber and seated on said shoulder and having its front side disposed flush with the front face of the riser.

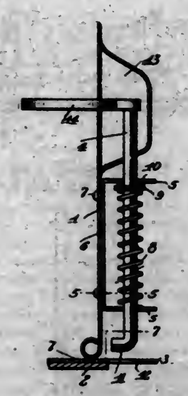
1,483,096. REVERSE BRAKE CONTROL FOR AUTOMOBILES. LAWRENCE CHARLES KARCHER, Henderson, Ky., assignor to The Karcher Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 21, 1920. Serial No. 411,743. 4 Claims. (Cl. 74—81.)



1. An attachment for automobiles for preventing the application of either the brake or the reverse mechanism while the forward or high speed clutch is in action, comprising a bracket for attachment to the clutch lever, and a pair of connecting rods leading from the bracket to the brake and reverse levers of the automobile, whereby on the application of either the brake or the reverse mechanism the clutch is moved into the neutral or out-of-action position.

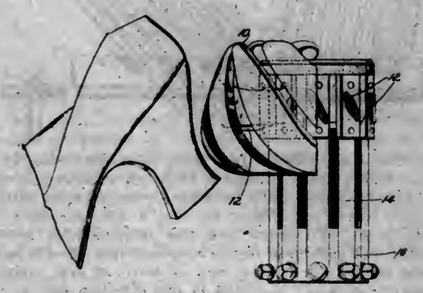
1,483,097. LOCKING MECHANISM FOR AUTOMOBILE HOODS. EDWARD S. KLINE, Rochester, N. Y. Filed Feb. 28, 1922. Serial No. 539,985. 4 Claims. (Cl. 292—62.)

1. The combination with a hood of an automobile having a pocket in an exterior wall and a keeper arranged on a fixed part on the inner side of the hood, of a rotatable latch for cooperating with the keeper, said latch having an arm rigid therewith lying within the pocket when the latch is engaged with the keeper and movable to



project from the pocket when the latch is rotated to disengage the latch from the keeper, to act as a handle through which the hood may be raised and lowered.

1,483,098. BURNISHING TOOL. ARTHUR D. MANSON, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 19, 1920. Serial No. 374,968. 8 Claims. (Cl. 12—105.)

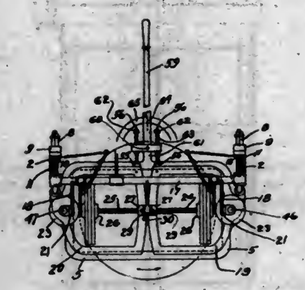


1. A rotary heel finishing tool made up of a series of relatively movable finishing elements each having its front and rear portions of substantially the same diameter and its median portion of a greater diameter than its front and rear portions, said tool being constructed and arranged thereby to generate a work engaging surface adapted to treat one part of a heel at one side of the greater diameter and a surface adapted to treat another part of a heel at the other side of said diameter.

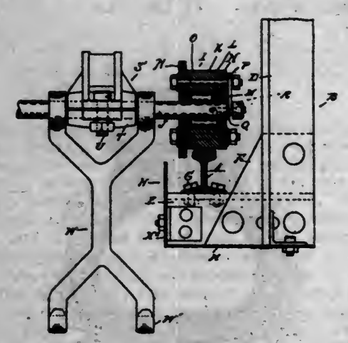
8. A rotary heel finishing tool having a working face comprising two differently formed work engaging surfaces, one surface constructed and arranged to finish a certain portion of a heel and the other surface constructed and arranged to finish a different portion of the heel, said surfaces meeting near the maximum diameter of the tool as a whole thereby leaving clearance for that part of the heel not being treated.

1,483,099. TRANSMISSION FOR MOTOR VEHICLES. ROY V. MARTIN, Oakland, Calif. Filed June 17, 1919. Serial No. 304,807. 9 Claims. (Cl. 74—26.)

7. In a transmission for motor vehicles, a fiber-faced driving-disk, independent horizontal shafts normally positioned on the same plane across the center of the face of said driving-disk, means for automatically changing the planes of said shafts with respect to each other, right and left hand groups of friction-disks slidably mounted on said horizontal shafts and adapted to contact with the face of said driving-disk and to receive motion therefrom, means for compensating the respective speeds of the rear wheels when the vehicle is running off a straight course, and means for imparting motion to the rear wheels of the vehicle.



1,483,100. CONVEYER. JESSE E. MCBRIDE, Highland Park, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 10, 1919. Serial No. 270,536. 6 Claims. (Cl. 198—177.)

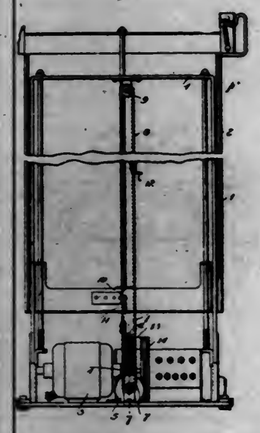


2. The combination with parallel tracks, of members engageable with said tracks and movable therealong, a rod between said members, a conveyer chain having a link fixedly secured intermediate said members to said rod, and a work supporting hanger secured to said rod and depending therefrom and between said tracks.

1,483,101. COPYHOLDER. ANDREW S. MACDOWELL, Rochester, N. Y. Filed May 11, 1922. Serial No. 560,047. 11 Claims. (Cl. 120—29.)

6. The combination with a frame, of a copy support movable upwardly or downwardly thereon, a driven shaft, a reversible electric motor operating the shaft, a pinion on the shaft, a second pinion journalled on the frame, a chain engaging the pinions and having one end connected directly to the copy support, a spring connecting the other end of the chain with the copy support, a pair of switches controlling the motor and operating to auto-

matically open the motor circuit as the copy support reaches the limit of its upward or downward travel, and



lugs carried by the chain arranged to engage and move said switches as the copy support reaches the limit of its respective movements.

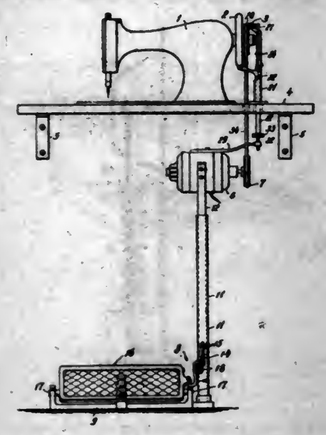
1,483,102. NONSKID DEVICE. HARRY M. MCCUNE, Kenmore, Ohio. Filed Feb. 13, 1922. Serial No. 536,395. 9 Claims. (Cl. 152—14.)



1. A skid preventing device comprising, the combination with circumferential chains and spaced transverse chains connected to the circumferential chains and adapted to be received over a tire, a removable plate positioned over one of said transverse chains, a lug interval with the plate forming a side-skid preventing projection, and means passing through the plate and the chain and adapted to attach the plate in position on the chain.

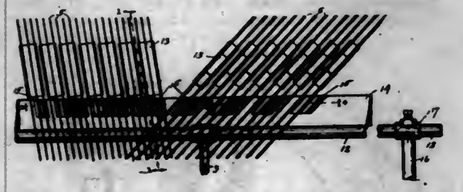
1,483,103. MOTOR-DRIVING UNIT FOR SEWING MACHINES. HYMAN MAIMIN, New York, N. Y. Filed Jan. 16, 1923. Serial No. 612,938. 17 Claims. (Cl. 192—11.)

1. A driving unit for sewing machines comprising the combination of a standard adapted to be positioned adjacent the driving wheel of the machine, a motor mounted on the standard for vertical movement toward and away



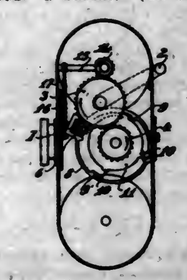
from the machine, and means for effecting such movement.

1,483,104. DAMPER ATTACHMENT FOR PIANOS. DAVID MCILWRATH, Newcastle, Ind. Filed Apr. 21, 1922. Serial No. 555,901. 3 Claims. (Cl. 84—219.)



1. The combination with a group of treble strings of a piano and a group of bass strings, all substantially in a common plane, of a rock-bar crossing both string groups, means for rocking the bar, a mute-bar fixed to move with the rock-bar and also crossing both string groups, and pads fixed to the mute-bar, each of said pads being adapted to contact one or more of said strings when the rock-bar is rocked in one direction and to be disengaged therefrom when the rock-bar is oppositely rocked.

1,483,105. CINEMATOGRAPHIC APPARATUS. GIORGIO MICHETTI, Rome, Italy. Filed Oct. 3, 1921. Serial No. 504,983. 2 Claims. (Cl. 88—18.)



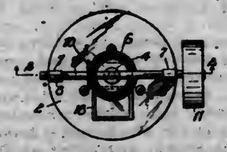
1. In a cinematographic apparatus, a feed drum, actuating mechanism for the drum, a boss fixed to the drum, and a ring shaped balance member, cooperating with the boss, for regulating motion of the drum.

1,483,106. CHART. FRANK E. MIELKE, Shawano, Wis. Filed Sept. 3, 1921. Serial No. 498,269. 3 Claims. (Cl. 84—485.)



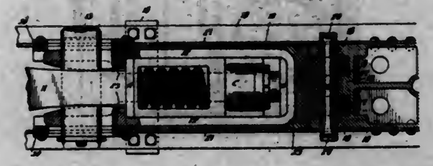
2. A device of the class described comprising a base, note carrying devices disposed upon the base and arranged in rows corresponding to string and fret positions on the instrument to be played, certain of said note carrying devices comprising a pair of superposed leaves, means pivotally connecting said leaves to one another and to the base, means carried by the uppermost of said leaves and engaging the connecting member to limit the movement of the leaf to the elevated position, and means carried by the lower leaf and coacting with the upper leaf to limit the movement of the lower leaf to the raised position, the notes of said note supporting members being exposed to view when the note supporting members are elevated, and concealed by the note supporting members when the note supporting members are in the lowered position.

1,483,107. AGITATOR FOR USE IN BLEACHING FLOUR. BURTON NEAL, St. Louis, and GEORGE H. HERBRAND, Kinloch, Mo. Filed Jan. 18, 1923. Serial No. 613,881. 9 Claims. (Cl. 83—42.)



1. A device for use in subjecting flour to the action of a gas, comprising an extended casing providing a gas-tight chamber, means located, respectively, at opposite ends of said chamber for continuously compressing and feeding flour into, and continuously compressing and discharging it from the chamber, thereby maintaining the seal of the chamber by means of said compressed bodies of flour, and means for supplying a gas to said chamber.

1,483,108. RAILWAY DRAFT RIGGING. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed May 6, 1920. Serial No. 379,328. 2 Claims. (Cl. 213—50.)



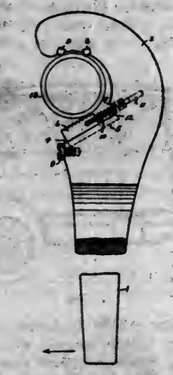
1. In a railway draft rigging, the combination with draft sills and a rear abutment block; of a pair of laterally spaced stop castings integrally united at their rear ends and adapted to sustain a shock absorbing means and a draw bar, said castings being spaced apart laterally to permit removal of the shock absorbing mechanism bodily in a vertical direction, means for pivotally anchoring said integrally formed stop castings to said abutment block to swing about a horizontal axis; and a single detachable means for normally separately supporting the forward ends of the stop castings and the draw bar.

1,483,109. MOTION-PICTURE FILM. OLE ANDREW OWEN, Detroit, Mich. Filed Feb. 20, 1923. Serial No. 620,201. 8 Claims. (Cl. 88—19.5.)



1. A motion picture film having a section provided with a series of different scenes, a second section provided with immobilized scenes, and characters superposed upon said immobilized scenes.

1,483,110. PIPE WRENCH. OSCAR PEARCE and IVAN BALES, Houston, Tex. Filed Mar. 14, 1922. Serial No. 543,564. 1 Claim. (Cl. 81—179.)

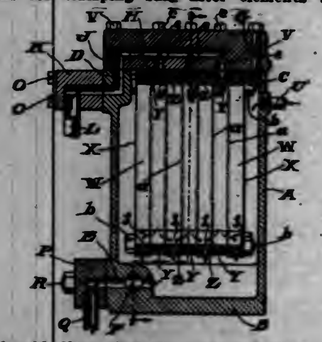


A pipe wrench including a handle having a curved jaw formed integrally with one end thereof and adapted to fit around one side of the pipe to be turned, pipe engaging teeth carried by said curved end, a flat face formed on said handle opposite said jaw, said face diverging outwardly with respect to a plane passing through said teeth, said face being formed with a dove tailed groove, a slidable jaw having a bearing on said face and formed with a dove-tailed tenon which slides in said groove, the operative face of said last mentioned jaw being toothed, a set screw threaded into the handle and against the head of which said tenon is adapted to abut, a shoulder formed on said handle opposite the inner end of the jaw, and against which said inner end of said jaw is adapted to abut said handle having a deep socket in alignment with said slidable jaw, a rod attached to the inner end of the jaw and working in said bearing, the outer end of said bearing being enlarged, and a coil spring surrounding said rod, one end of which is seated in the enlarged outer end of the socket and the other end of which rests against the inner end of said jaw.

1,483,111. FILTER. WILLIAM T. PRICE, deceased, late of Easton, Pa.; by Helen C. Price, executrix, Easton, Pa., assignor to Price Engine Corporation, New York, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,436. 4 Claims. (Cl. 210—178.)

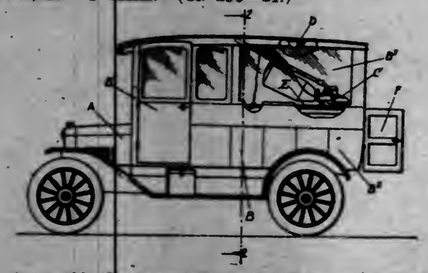
1. A filter comprising a casing having an inlet and outlet for the circulation of liquid, a cover for said casing, a removable filter member suspended at right angles from said cover and comprising filter elements in the form of frames having filter fabric stretched thereon, the outer

frames of the filter elements having open outer sides, and means for clamping said filter elements together,



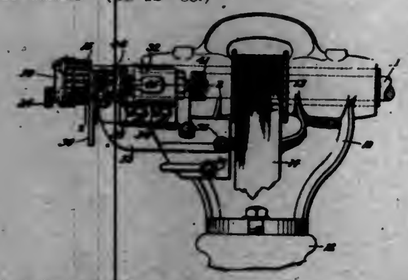
certain of said filter elements communicating with the inlet of the casing and elements alternate thereto communicating with the outlet of the casing.

1,483,112. DELIVERY WAGON. FLOYD M. RHED, Kansas City, Mo. Filed Oct. 17, 1919. Serial No. 331,413. 1 Claim. (Cl. 296—21.)



A movable display exhibit including in combination a display and delivery vehicle formed with a forward driving compartment, a rearward lower closed delivery compartment, and superimposed thereupon a closed glazed display compartment, the floor of said compartment being substantially on a level with the lower edge of the glazing and being carpeted, and in combination with said vehicle a floor cleaning machine mounted within said display compartment upon said carpet in its normal operative position, and means within said vehicle for furnishing operating current to said device so that it may be displayed in operation.

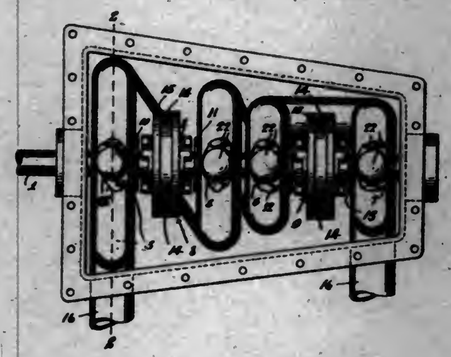
1,483,113. HEEL-TRIMMING MACHINE. LE ROY W. ROLLINS, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 1, 1921. Serial No. 519,138. 13 Claims. (Cl. 12—88.)



1. A heel-trimming machine comprising a rotary trimming cutter, an adjustable tread-rest arranged to execute its adjusting movement along lines substantially perpendicular to its tread face, and a one-way clutch arranged normally to hold said tread-rest against movement in one direction along said lines.

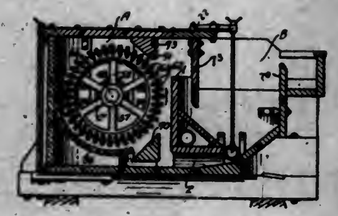
13. A heel-trimming machine comprising trimming means, an adjustable work-gage arranged in cooperative relation thereto, a spring arranged normally to adjust said work-gage in one direction, and means arranged to act automatically so as to hold said work-gage against adjusting movement but operable manually to release the work-gage.

1,483,114. CHANGE-SPEED POWER-TRANSMITTING MECHANISM. FRANCIS H. ROOT, Watertown, N. Y. Filed Feb. 4, 1921. Serial No. 442,411. 3 Claims. (Cl. 74—32.)



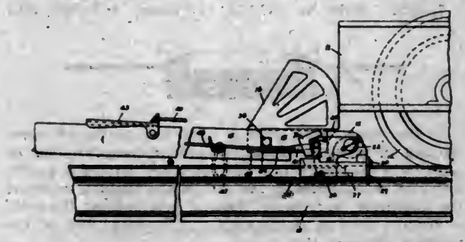
1. A change speed power transmitting mechanism comprising driving and driven shafts, and power transmitting mechanism between the shafts comprising wheels mounted on the shafts, a continuous conduit looped around the wheels, the conduit being formed with slots for receiving the peripheries of the wheels, power transmitting means movable in the conduit and acting on the wheels, and mechanism for connecting and disconnecting the wheels on one of said shafts to and from said shaft, substantially as and for the purpose described.

1,483,115. IMPELLER FOR FLOTATION MACHINES. CHARLES E. ROSE, Douglas, Ariz., and AUGUST SANDBERG, New York, N. Y., assignors to William A. Butchart, Denver, Colo. Original application filed June 13, 1917, Serial No. 174,583. Divided and this application filed Dec. 29, 1920. Serial No. 433,867. 1 Claim. (Cl. 259—136.)



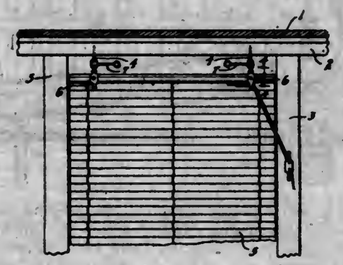
A combined aerating device and pulp agitator for flotation machines, comprising a horizontally-disposed, rotatable shaft, rigid spiders on said shaft arranged in spaced relation and each provided with a circular rim portion, a plurality of blades arranged parallel to said shaft and set edgewise in the rim portions of said spiders with their outer edge portions pointing forwardly and projecting beyond the rim portions of the spiders, and removable keys for detachably connecting said blades to said spiders arranged longitudinally of said blades in co-operating key-ways formed in the blades and in the circular rim portions of the spiders.

1,483,116. CAR MOVER. FREDERICK W. RUBIN, Indianapolis, Ind. Filed Aug. 25, 1922. Serial No. 584,227. 5 Claims. (Cl. 254—35.)



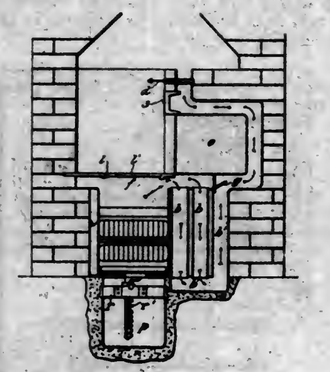
5. A hand operated railway rail mover including a hand lever, a fulcrum shoe adapted to rest on a railway rail to which one end of the lever is fulcrumed and which is slotted longitudinally and has a downward extension at each side of the railway rail and a longitudinal slot in one side thereof, a wedge shaped block, a bolt extending from said block through the slot in the side of the fulcrum shoe so as to adjust the shoe to loosely fit on a railway rail, a clamping plate pivoted at the fulcrum of said lever with a wedge shaped portion extending down through the slot in the edge of the shoe and against the other side of the shoe in position to wedge between said side of the shoe and the rail for clamping the shoe on the rail, a plate on the side of the lever carrying a lug in position to engage the top of the clamping plate when the lever is moved downward for forcing said clamping plate to the clamping position, a rod mounted on the lever and adapted to have longitudinal movement, a catch on one end of said rod for engaging a notch in said clamping plate for releasing the clamping plate when the lever is elevated, a spring on said rod forcing the catch into engagement with the clamping plate, a small bell shaped lever on said main lever for withholding said rod and catch from engaging with the clamping plate, and a pushing block on said lever near its fulcrum adapted to engage the object to be moved.

1,483,117. VENTILATING SHADE HANGER. ZACHARY E. RUSSELL, Sauk Rapids, Minn., assignor to Clyde W. Warren, Sauk Rapids, Minn. Filed Apr. 28, 1923. Serial No. 635,267. 3 Claims. (Cl. 156—16.)



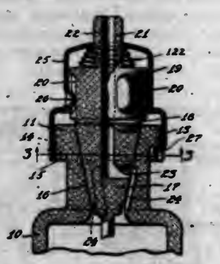
2. A hanger for a shade comprising a piece of rod or wire having an eyelet at one end adapted to engage a supporting hook at the top of said shade and having a loop at its other end adapted to be carried in an eyelet in the supporting member for said shade, said loop having a laterally extending portion with converging sides whereby the loop may simultaneously engage the supporting means at the top of the shade and the eyelet in the supporting member with said lateral portion engaging the eyelet in the supporting member so that when the curtain is supported said hanger will assume a lateral position.

1,483,118. RANGE OR STOVE. JOHN MIDDLETON RUTTER, Guildford, England. Filed Aug. 31, 1921. Serial No. 497,410. 2 Claims. (Cl. 126—1.)



1. A stove comprising, in combination, a boiler forming the back and two sides of a fire place, a plurality of flue tubes passing through the boiler, a hot plate over the fire place for deflecting the flames and hot gases from the fire place down the flue tubes of the boiler, another flue at the outer side of the boiler, communicating with the said flue tubes of the boiler, an oven above the boiler, a flue around the oven in connection with the side flue communicating with the flue tubes of the boiler and means for supporting the boiler, the hot plate and the oven in their relative positions.

1,483,119. BOTTLE STOPPER. SAMUEL M. SCHENKEIN, Lyndhurst, N. J. Filed Sept. 8, 1922. Serial No. 586,015. 11 Claims. (Cl. 215—83.)



1. A bottle stopper, a cap connected thereto and movable longitudinally thereof, and a spring between the stopper and cap: in combination with a bottle having a lip said cap having lugs engaging below said lip and permitting the cap to rotate.

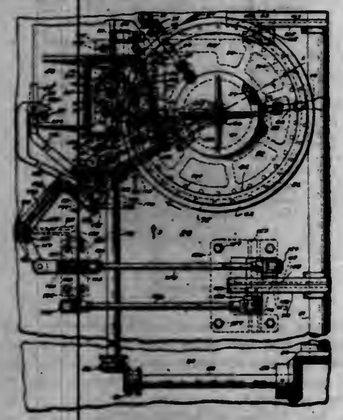
1,483,120. COATING MACHINE. REINHOLD D. SCHOENWETTER, Baltimore, Md., assignor, by mesne assignments, to The National Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Jan. 8, 1920. Serial No. 350,186. 18 Claims. (Cl. 91—39.)

1. In a coating machine, the combination of a clamp for holding an article, means for wetting said article and a non-corrosive support for said article.

2. In a coating machine, the combination of a clamp for holding an article, means for wetting said article, means for removing said article from said clamp, and means for varying the period of time between said wetting and said removal.

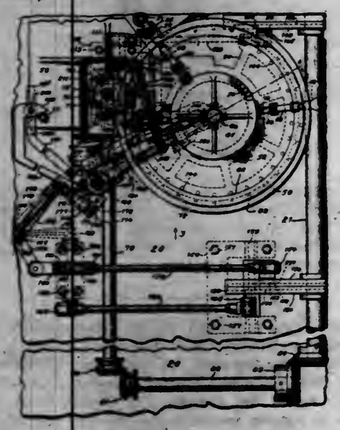
11. In a coating machine, the combination with a conveyor for articles to be wetted, means for rotating said conveyor in a plurality of angular movements alternating

with dwells, a plurality of clamps on said conveyer angularly spaced apart on a parity with the extent of each angular movement, means for delivering an article to a clamp during each dwell, means for wetting an article during each dwell and means for removing an article from a clamp during each dwell.



18. In a coating machine, the combination with means for holding an article to be coated, means for coating said article, means for removing said article from said holding means and means for varying the time interval between the coating of said article and the removal of said article from said holding means.

1,483,121. CONVEYER MECHANISM. REINHOLD D. SCHOENWETTER, Baltimore, Md., assignor to National Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Original application filed Jan. 8, 1920, Serial No. 350,186. Divided and this application filed Feb. 7, 1922. Serial No. 534,655. 7 Claims. (Cl. 198—210.)



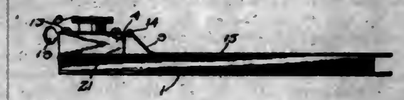
1. In a coating machine, the combination with a conveyer, of a plurality of clamps thereon, means for opening each of said clamps to receive an article, means for closing said clamps, a depositor for moving an article from each clamp and means for opening each clamp to deliver an article to said depositor, said means also acting to open a plurality of adjacent clamps in order to provide clearance for said article during its movement by said depositor.

1,483,122. BUNG FOR METAL CONTAINERS. ANTHONY SCHROEDER, Cleveland, Ohio, assignor of one-half to James Merle Finney, Cleveland, Ohio. Filed May 7, 1921. Serial No. 467,718. 4 Claims. (Cl. 220—39.)



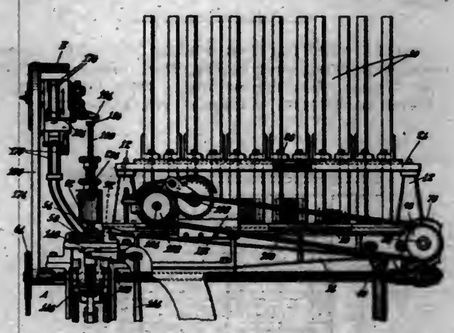
1. The combination with a container having an opening and an inwardly extending annular flange around the same, of a bushing within the container, having a groove in which the flange fits, the end of the bushing adjacent the container wall being reduced and swaged inwardly to form a bead in said flange overlying the end of the bushing adjacent the groove.

1,483,123. LOOSE-LEAF BINDER. ALEXANDER G. SIEGER, Chicago, Ill. Filed Aug. 1, 1921. Serial No. 489,026. 4 Claims. (Cl. 129—4.)



2. A loose leaf binder comprising a back plate, posts secured to said back plate and being adapted to carry sheets of paper, a casing slidably mounted on said posts, means associated with said posts for preventing upward movement of said casing with respect to said posts, and for moving said casing downwardly into clamping engagement with the paper.

1,483,124. HEEL-BUILDING MACHINE. RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 4, 1918. Serial No. 260,996. 19 Claims. (Cl. 12—50.)

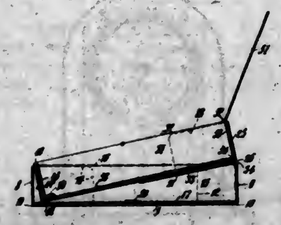


1. In a heel building machine, the combination of a movable lift assembling carrier, means for producing a series of lifts and depositing them in a dispersed row upon the carrier, and means for actuating the carrier in a single movement to assemble the lifts in the form of a heel pile.

1,483,125. FOLDING DISPLAY BOX. JOSEPH B. SINGER and ARTHUR B. LEVY, New York, N. Y. Filed Mar. 23, 1921. Serial No. 454,607. 11 Claims. (Cl. 206—44.)

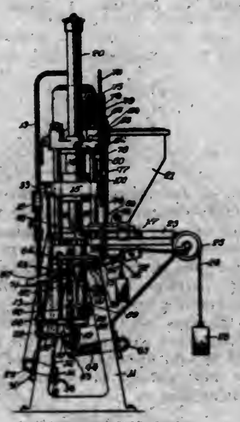
1. A folding display box comprising a body and a cover adapted to telescope together in the closed position of the box, said body having a section cut therefrom, said section having hinged connection both with the cover and with the body and adapted to connect such cover and body for relative swinging movement of the cover about

the lower forward end of said body with reference to the display position of the body, said section and cover acting to support the body in an inclined position with the front



end of the body resting in the cover, and a supplementary bottom fitted in said body and covering the void made by said hinged section.

1,483,126. PRESS. HARVEY SLATER, Chicago, Ill., assignor to Charles F. Elmes Engineering Works, Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1919. Serial No. 273,350. 23 Claims. (Cl. 100—57.)



1. The combination with a continuous pressure fluid operated press, and a control valve therefor, of a connection between the press and valve whereby to synchronize the operation of the press and valve under all variations in speed of press operation.

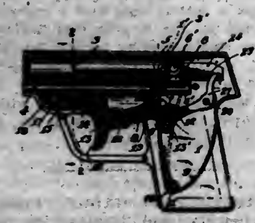
12. The combination with a pressure fluid operated press, and a control valve therefor comprising inlet, press and exhaust ports and a valve plug to connect the press port alternatively with the supply and exhaust, of a connection between the press and valve whereby to synchronize the operation of the press and valve under all variations in press operation and to reverse the press when the pressure exerted thereby reaches a predetermined degree, said connecting mechanism comprising a pop-valve subject to the pressure within the press, a restraining lever fulcrumed on the pop-valve to hold it seated, a shiftable weight on the lever to vary the action on the pop-valve, a toggle arranged when straightened to hold the valve plug in position to maintain the press in communication with the inlet port and not with the exhaust port and when broken to shift the valve plug to close the inlet port and connect the press with the exhaust port, a weighted lever tending by gravity to break the toggle, a releasable connection between the toggle lever and restraining lever whereby when the pop-valve is unseated the toggle will be broken and the control valve shifted to effect communication between the press and the exhaust port and to reverse the press when the pressure exerted thereby reaches a degree predetermined by the adjustment of the weight on the restraining lever, a valve-actuating rod connected with the restraining lever and tending by the gravital action thereof to move to a position of reversal, a spring bearing on the rod in a direction opposed to gravity, an abutment for the spring disposed in the path of a moving part of the press whereby to compress the spring as the press reverses, a detent to hold the rod in reverse position, a tappet actuated by the movement of the press near its reverse limit to disengage the detent whereby the stressed spring thereupon effects movement of the actuating rod against gravity to shift the valve plug and start the press on its work stroke and as the spring abutment is relieved from the action of the press the unstressed spring permits gravity to move the actuating rod in the opposite direction to shift the valve plug and again reverse the press, the action of the stressed spring being to again connect the released connection between the toggle operating lever and the weighted restraining lever.

1,483,127. DANCING FIGURE. ERNEST STARBUCK, Peoria, Ill. Filed May 20, 1921. Serial No. 471,266. 14 Claims. (Cl. 46—40.)



1. In a dancing figure including a body and legs pivoted thereto, in combination, a source of power mounted in the body, a drive wheel operated thereby, separate operating means connected with each leg including a slidable clutch-portion, a driving clutch-member disposed between the clutch-portions continuously rotated by the power source, and means operated by the said power source adapted to shift the clutch-member alternately into and out of engagement with said clutch-portions.

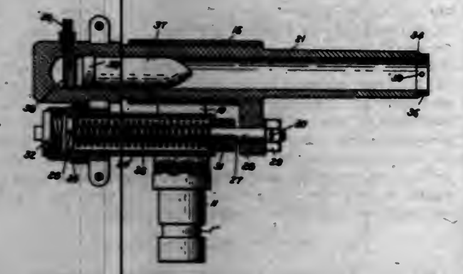
1,483,128. TOY PISTOL. ERNEST STARBUCK, Peoria, Ill. Filed Feb. 20, 1922. Serial No. 537,840. 6 Claims. (Cl. 124—12.)



1. A toy pistol including with its barrel a spring extending at one end thereinto adapted to eject a projectile, a trigger to engage the spring to place it under stress, a movable magazine for holding the projectiles adapted to feed one projectile into the barrel in each movement thereof, and a member engaging both the magazine and

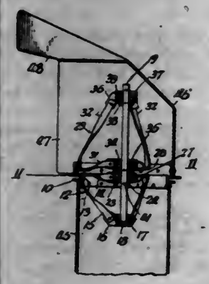
the trigger adapted to simultaneously move the trigger to release it from the spring and to impart movement to said magazine during the movement of said trigger to initiate the feeding of projectiles into said barrel.

1,483,129. LINE-THROWING GUN. JOHN W. STOCKETT, Washington, D. C. Filed Oct. 16, 1923. Serial No. 668,874. 4 Claims. (Cl. 89—1.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. A line throwing gun, including a gun barrel counterbored at its muzzle end to provide a seat in the muzzle opening for line carrying means.

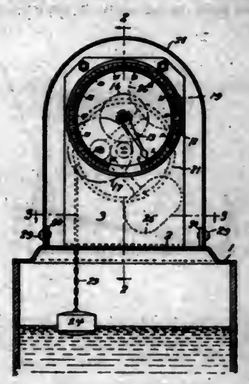
1,483,130. BEARING SUPPORT FOR ROTARY VENTILATORS, CHIMNEY TOPS, AND THE LIKE. JOSEPH SYLVAN, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,449. 4 Claims. (Cl. 98—3.)



1. A bearing support for rotary ventilators and the like, comprising a bottom ring and a top ring, a central standard carried by the bottom ring, adjustable means on said bottom ring providing for the lateral support of said standard, vertically spaced collars secured to said standard, and bearing sleeves carried by the top ring for engaging said standard and coacting with the collars thereon to provide a rotative bearing for the top ring with respect to the bottom ring.

1,483,131. LIQUID-LEVEL GAUGE. FERDINAND TAUSZ, Cleveland Heights, and CHARLES D. BENSON, Jr., Cleveland, Ohio. Filed Feb. 5, 1921. Serial No. 442,813. 1 Claim. (Cl. 73—82.)

A gauge of the class described comprising a float member adapted to rise and fall with the fluid level of a container, a winding drum, a flexible member engaged about the surface of said drum and connected with said float, an indicating mechanism geared to said winding drum, and a counterweight interposed in said connection, said counterweight comprising a weighted arm rigidly connected to one of the gears and being adapted to rise



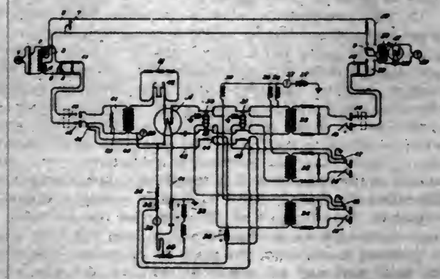
and fall respectively with the fall and rise of said float member thereby to keep said flexible member taut at all positions of said float.

1,483,132. BRACELET. KARL L. TOELCKE, AATE MIKKOLA, and LEON SHAPIRO, Chicago, Ill. Filed Oct. 9, 1922. Serial No. 593,455. 1 Claim. (Cl. 59—80.)



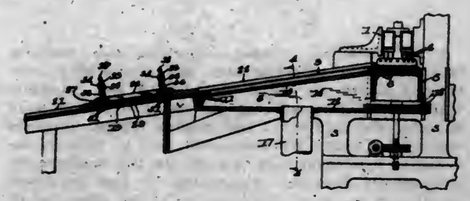
A bracelet of the character described comprising a plurality of links substantially U-shaped in cross section, the side walls of said links being formed with an outwardly extending lug portion at one end thereof, each of said lug portions having an opening therethrough, and integral shaft portions in the side walls adjacent the opposite end thereof arranged to be received in the opening in the lugs of the adjacent links when said links are engaged one with another, the ends of each of the side walls of said links being tapered slightly so that said bracelet may conform to the curvature of the arm to which it is applied.

1,483,133. ELECTRICAL TESTING SYSTEM. JOHN F. TOOMEY, New York, N. Y., and GEORGE CRISSON, Hackensack, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed June 10, 1921. Serial No. 476,588. 14 Claims. (Cl. 179—175.)



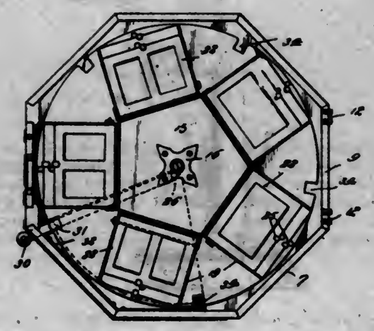
2. In an electrical testing sytem, the combination of a source of varying potential, an indicating instrument, a plurality of circuits for applying said potential to said instrument, one of said circuits having means associated therewith for connecting an amplifier and its proper output network to the said circuit, and means for measuring the gain attainable by the said amplifier.

1,483,134. NEEDLING MACHINE. WILLIAM H. WAGNER, Burlington, Wis., assignor to Burlington Blanket Company, Burlington, Wis., a Corporation of Wisconsin. Filed Sept. 12, 1921. Serial No. 500,203. 9 Claims. (Cl. 24—4.)



1. In a needling machine the combination of a reciprocating needle beam provided with needles, and a hollow bed having openings with which the needles register, and an air exhausting connection with the bed.

1,483,135. COMBINATION TABLE AND PICTURE ALBUM. SAMUEL J. WALASCHEK, New York, N. Y. Filed June 25, 1923. Serial No. 647,472. 2 Claims. (Cl. 40—72.)

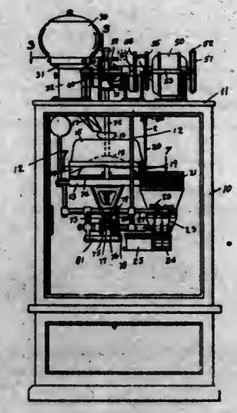


2. An article of the class described including a table top portion having a housing provided with a bottom wall, side walls, and a table top hingedly connected to said side walls, said top having a section thereof hingedly connected to the remaining portion and foldable thereon to provide access to the interior of the housing, a plate rotatable in said housing, a plurality of U-shaped frame members arranged in spaced relation on said plate and having the free ends extending outwardly and terminating adjacent the edge of the plate, a plurality of picture holders hingedly mounted in said U-shaped frame members, each picture holder including a pair of relatively movable members adapted for interfitting relation and providing with picture viewing openings, and means for holding said members in interfitting relation whereby pictures may be secured therebetween to be viewed through said openings therein, and means for rotating said plate so that the U-shaped frame member may be successively positioned under the hinge section of the table top so that the pictures carried in the picture holders hinged in said member may be viewed.

1,483,136. COMPOSITION FOR PAINT. JOHN WALSH, Prides Crossing, Mass. Filed Dec. 14, 1922. Serial No. 606,962. 3 Claims. (Cl. 134—46.)

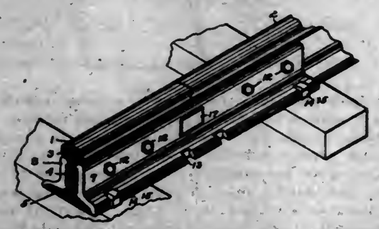
3. A composition for coating glass comprising the ingredients and in substantially the proportions as follows:—4 ounces of ground gelatin, 6 ounces of powdered starch, 6 ounces of whiting, mixed together and dissolved in approximately one gallon of water.

1,483,137. POP-CORN MACHINE. HOMER A. WALTMAN and GEORGE H. ROSSEBO, Indianapolis, Ind., assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind., a Corporation. Filed Jan. 30, 1923. Serial No. 615,962. 11 Claims. (Cl. 33—4.)



1. A pop corn machine comprising a supporting frame, a popping element mounted in said frame, means for discharging unpopped corn therein, means for causing the discharge of the popped corn therefrom, a hopper supported adjacent said popping element for receiving said discharged corn, means for applying butter to the corn discharged therein, and means mounted in said hopper for engaging and removing the corn therefrom.

1,483,138. RAIL-JOINT CONNECTION. MILTON N. WEBBER, Fort Wayne, Ind. Filed July 10, 1922. Serial No. 573,884. 1 Claim. (Cl. 238—182.)



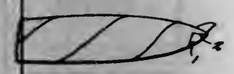
A rail-joint connection comprising two fish-plates secured to opposite sides of two meeting rails, each plate engaging the webs of the rails adjacent the treads and also at the junction point between the said webs and the bases of the rails, said plate also contacting with the surface of the bases of the rails, each plate having a rectangular opening therein adapted to register with rectangular openings in the meeting ends of the rails, a rectangular bolt forcibly engaged in the registered openings and having a threaded cylindrical portion at one end for the reception of a nut and a washer having a rectangular opening adapted to receive the rectangular body of the bolt and the washer being adapted to be clamped against the adjacent fish-plate by the nut, each fish plate also having spike receiving notches.

1,483,139. BADGE. EDWARD L. WEED, Providence, R. I., assignor to Potter & Buffinton Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 14, 1923. Serial No. 632,051. 3 Claims. (Cl. 40—1.5.)



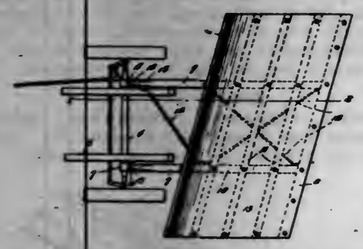
1. A badge comprising a back plate of triangular shape with a side as a base, a front plate formed in halves which combined are of the shape and size of the back plate and which halves are hinged to opposite side edges of the back plate to be swung outwardly therefrom to expose the symbols on their inner faces also that on the inner face of the back plate and adapted to be swung to partly closed position to cooperate with the back plate to form a base to support the device in upright position.

1,483,140. FALSE HEAD FOR CIGARS. MILTON WERTHEIMER, Baltimore, Md. Filed Nov. 13, 1922. Serial No. 600,596. 2 Claims. (Cl. 131—52.)



1. A false head for cigars comprising a disk having an incision extending from its margin to its center.

1,483,141. SNOWPLOW. CHARLES E. WHITE, Newport, Wash. Filed Mar. 20, 1923. Serial No. 626,280. 2 Claims. (Cl. 37—42.)



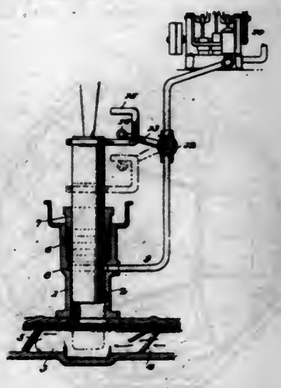
1. A snow plow for attachment to a motor vehicle including a pair of bars arranged in parallel relation and of unequal length, the rear end of said bars having a detachable pivotal connection with the front axle of a vehicle, a cross bar connecting the forward end of said parallel bars having the end portions extending beyond the connection with said bars, a pair of vertical standards mounted on said bars intermediate the ends thereof and arranged in a plane parallel with the cross bar, inclined bars connecting each vertical standard to the forward end of the respective bar adjacent the cross bar, a bar member connecting the upper ends of said uprights, a plurality of transverse bars mounted on the inclined bars in parallel spaced relation with each other and the cross bar, and a seat member extending from the cross bar to the bar member connecting said upright and supported by said transverse bar for forming a scoop, and means for supporting the forward ends of said bar in spaced relation with the ground surface, whereby the cross bar at the forward end of said parallel bar will receive and transmit the stresses applied to the scoop in the use thereof directly in the line of said parallel bars to the axle of the vehicle.

1,483,142. AUTOMOBILE BUMPER. FREDERIK G. WHITTINGTON, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1920. Serial No. 414,300. 4 Claims. (Cl. 293—55.)



1. An automobile bumper comprising two similarly formed flat bar members, each having a portion commencing nearer one end than the other and extending toward the middle, deflected edgewise a relatively short distance, and said other end portion reflexed rearward and inward behind the undeflected part to form an inwardly-open resilient loop or hook, the two members being reversely positioned for lapping the first mentioned end of each on the forward portion of the other end of the other bar member; whereby the deflected portions of the two bar members constitute respectively an upper and a lower impact bar spaced apart a relatively short distance.

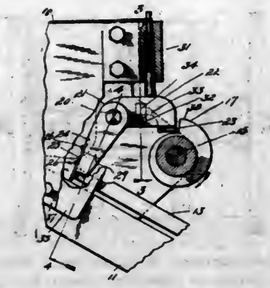
1,483,143. DREDGING PUMP. JAMES GILBERT WHITLOCK, Richmond, Va. Filed Dec. 23, 1920. Serial No. 432,796. 1 Claim. (Cl. 103—204.)



In a pump, the combination with a plunger, of a cylinder having an internal annular channel formed therein, a water supply pipe leading to said channel, means for supplying water under pressure to said pipe, a valve in said pipe, and means operated by said plunger in its reciprocation for opening and closing said valve.

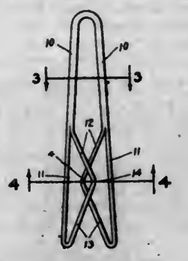
1,483,144. CLEARING MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 6, 1922. Serial No. 534,542. 11 Claims. (Cl. 10—162.)

4. In combination with a feed chute, of means for stripping therefrom all blanks which are not in regular processional line therein, comprising a rock member pivotally mounted upon a fixed part, means for actuating the same whereby the movement of the end thereof that is adjacent to the blanks is unrestrained when traveling against the path of movement of the blanks and controlled while moving in the opposite direction, an element connected and movable with said rock member that projects over the head of the blanks and during its movement swings over the top of said chute, positive means for actuating said rock member when the said element connected therewith is moving over said chute in a path



substantially parallel to the direction of movement of the blank therein, and yielding means for moving the same in the opposite direction.

1,483,145. HAIRPIN. FRANK A. WILDASON, Indianapolis, Ind. Filed Aug. 25, 1922. Serial No. 584,229. 6 Claims. (Cl. 132—52.)



1. A hair pin having a pair of shank members and projections formed near the free ends thereof, said projections being returned portions of the shanks and providing closed ends for the latter, said projections being so arranged as to overlap and adapted to bear against each other under spring tension, when said shank members are in normal position.

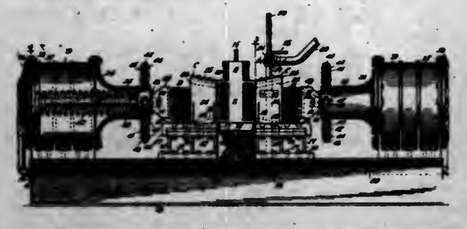
1,483,146. FIREARM. SAMUEL WILEY, Metuchen, N. J. Filed Nov. 8, 1923. Serial No. 673,444. 3 Claims. (Cl. 42—77.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a fire arm, a bore chamber formed in one piece, a dividing wall integral with the bore chamber and serving to separate the bore chamber into a pair of barrels, said dividing wall formed with an opening whereby the barrels may communicate with one another, one of the barrels adapted to contain a service projectile and serve as a passageway therefor, the other of said barrels adapted to contain a second projectile and serve as a passageway therefor, whereby the service projectile while traversing its barrel upon the firing of the piece, acts as an obturator and checks the gases generated by firing, the gases collecting in the second barrel to propel the projectile therefrom, and means adapted to be removably positioned in the opening in the dividing wall whereby the fire arm may be converted into an ordinary service piece.

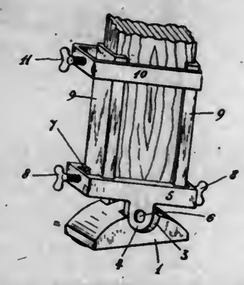
2. In a fire arm, a stock, firing means secured to the stock, a cartridge chamber secured to the stock, a bore chamber formed in one piece and secured to the cartridge chamber and adapted to butt against the forward end of the stock, a dividing wall integral with the bore chamber and serving to separate the bore chamber into a pair of barrels, said dividing wall formed with an opening whereby the barrels may communicate with one another, one of the barrels adapted to contain a service projectile and serve as a passageway therefor, the other of said barrels adapted to contain a second projectile and serve as a passageway therefor, whereby the service projectile while traversing its barrel upon the firing of the piece acts as an obturator and checks the gases generated by firing, the gases collecting in the second barrel to propel the projectile therefrom.

1,483,147. ASSEMBLING MACHINE. KEITH WILLIAMS, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed June 13, 1921. Serial No. 476,991. 8 Claims. (Cl. 29—87.1.)



1. In an assembling machine of the character described, the combination with a spring guiding and contracting means through which a spring is adapted to be forced; of a support adjacent the delivery end of said guide means on which an article is adapted to rest while having the spring inserted therein; a support at the admission end of said guide means on which a spring is adapted to rest prior to being forced through the guide; and power actuated means, including a reciprocating plunger, in alinement with the guide means arranged to force the spring through the guide means into the said article.

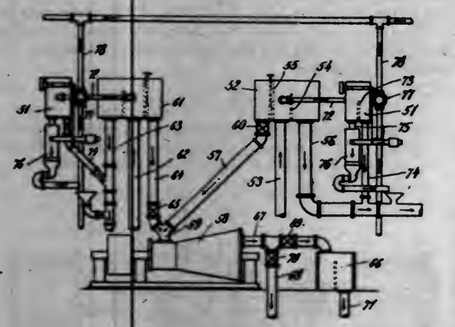
1,483,148. SAFETY DEVICE FOR LADDERS. AUGUST WINKLER, Zurich, Switzerland. Filed Nov. 6, 1922. Serial No. 599,417. 1 Claim. (Cl. 228—62.)



In the herein-described safety device for ladders, the combination, with a shoe having recesses in its flat bottom, and rubber discs in said recesses, of a supporting member pivoted to and mounted centrally of the shoe and having the form of a rectangular frame provided with a longitudinally disposed slot, two U-shaped clamp-

ing plates engaging the slot and made slidable therein and adapted to partially embrace the bottom end of the upright of the ladder, and means to adjust the clamping plates within the said slot and cause them to tightly grip variously sized ladder uprights.

1,483,149. STOCK-BLENDING MECHANISM. GEORGE STANFORD WITHAM, Jr., Hudson Falls, N. Y., assignor to Union Bag and Paper Corporation, a Corporation of New Jersey. Filed Feb. 17, 1921. Serial No. 445,589. 6 Claims. (Cl. 92—20.)



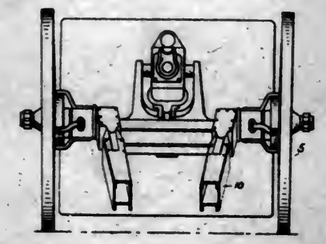
1. Apparatus for treating hard or soft stock, comprising a Jordan engine, a density regulator for each character of stock to be treated, each regulator delivering to the Jordan engine, and means for disconnecting any regulator from the Jordan engine.

1,483,150. TOY BALLOON. ARTHUR P. WITTEN, Akron, Ohio. Filed May 6, 1920. Serial No. 379,264. 2 Claims. (Cl. 46—37.)



1. In a toy balloon, the combination of an elastic inflatable body portion, having an opening in each end thereof, an elastic inflatable head portion and a cylindrical ring, one end of said body portion being secured to said ring and turned backwardly thereupon; the mouth of said head portion being secured over said ring so that a fluid tight connection is maintained between said body portion and head portion.

1,483,151. GUN TRAIL. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 20, 1923. Serial No. 663,907. 7 Claims. (Cl. 89—40.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

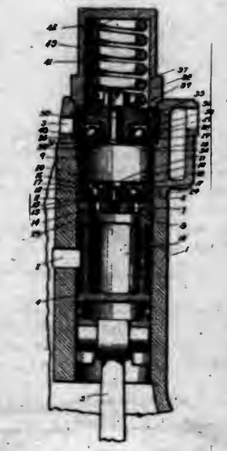


7. In a gun carriage, a hollow trail arm embodying spaced end plates of identical structure, each formed with a pair of legs, and means connecting the end plates together.

1,483,152. PROCESS FOR THE PRODUCTION OF SOLUTIONS OF VOLATILE OILS. JEAN ALTWEGG, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Apr. 11, 1922. Serial No. 551,651. 3 Claims. (Cl. 167—9.)

2. The process of producing a solution of a volatile oil, which consists in dissolving oil of thyme in an alkali salt solution of bile acid.

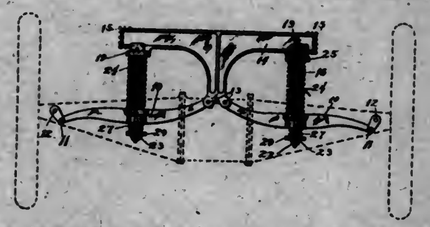
1,483,153. VALVE MECHANISM. CHESTER A. BAKER, Omaha, Nebr. Filed Aug. 12, 1922. Serial No. 581,531. 4 Claims. (Cl. 251—121.)



1. A valve mechanism for compressors comprising two disks, at least one of which is provided with a circular series of recesses about its center, valve cages in the recesses, each valve cage comprising a ring having longitudinal fingers projecting therefrom, means for clamping the valve cages between the disks, and ball valves in the valve cages.

1,483,154. SPRING SUSPENSION FOR VEHICLES. RANSOM Y. BOVEE, Maywood, Ill. Filed Jan. 17, 1921. Serial No. 437,891. Renewed Dec. 31, 1923. 7 Claims. (Cl. 267—20.)

1. A spring suspension embodying cooperation supporting members, means pivotally anchoring one end of each of the members, a hanger connected with the vehicle and to which hanger the other ends of the said suspension members are pivotally connected, bolt members pivotally connected by one end to the said hanger and passing through and beyond the said supporting members intermediate the outward suspension limits of the latter, and elastic members encompassing the said bolt members on opposite sides of the said supporting members and operating upon the latter and also upon the said hanger.

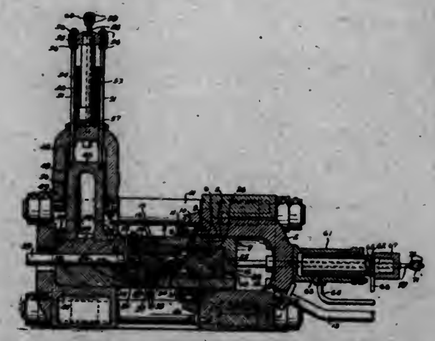


1,483,155. FOOD PRODUCT AND MANUFACTURE THEREOF. JAMES BOYCE, Holland, Mich., assignor to The American Cotton Oil Company, New York, N. Y., a Corporation of New Jersey. Filed June 1, 1914, Serial No. 842,281. Renewed June 22, 1923. 3 Claims. (Cl. 99—13.)

1. The method of obtaining from vegetable oil, a liquid product of improved quality, which consists in subjecting the oil to hydrogenization, stopping the conversion at a point where the oil treated hardens at ordinary room temperatures (70°–80° Fahr.), and then separating the hydrogenized liquid constituent from the hydrogenized solid constituent.

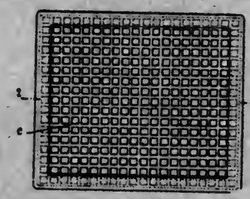
3. A liquid food product, consisting of the liquid constituent obtained by chilling and pressing an edible vegetable oil hydrogenized up to the point where it hardens at ordinary room temperature (70°–80° Fahr.) said liquid food product having an iodin number not substantially greater than 90 and having the quality of remaining clear for at least 5 hours at a temperature of 0°C.

1,483,156. PRESS. GOUVERNEUR GRAHAM BROWNE, Oakmont, Pa. Filed Apr. 20, 1921. Serial No. 462,956. 15 Claims. (Cl. 10—72.)



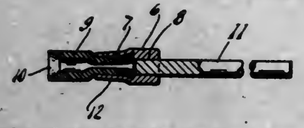
1. A press comprising a cylinder communicating with a source of fluid pressure, a hollow plunger in said cylinder constituting a cylinder for a second plunger and having an opening in its back portion communicating with a source of fluid pressure, a second plunger in said hollow plunger, means for holding a bar or the like in position to be operated on by said plungers, and means for controlling the supply of fluid pressure to said cylinders to cause said plungers acting together to upset the end of said bar and then to cause said second plunger to punch out a ring from said upset portion.

1,483,157. COUCH OR BED PAN. PAUL ELIE JULES CHARBERT, Castres, France. Filed Jan. 17, 1923. Serial No. 613,278. 3 Claims. (Cl. 4—112.)



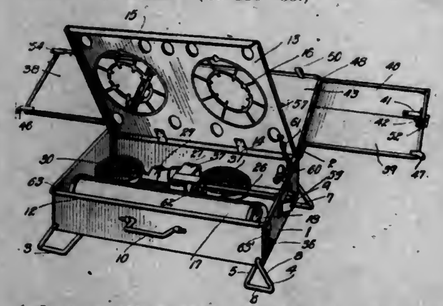
1. A flexible and removable couch or bed-pan adapted to insulate recumbent persons from their liquid dejections and to protect the bed linen, comprising a pan, of flexible and waterproof material, forming a collector, an apertured cover member, composed of a grid of moulded rubber, with bars intercrossing in the same plane upon their upper face and projections upon the lower face of said grid-bars, and means for separating the said cover member from the bottom of the pan and for allowing dejections to drain through the apertured cover member into the bottom of the pan.

1,483,158. TEETH-CLEANING INSTRUMENT. EDWARD L. CHOTT, Chicago, Ill. Filed Oct. 13, 1923. Serial No. 668,263. 3 Claims. (Cl. 32—13.)



1. A device of the class described comprising a head having a socket at one end and a bore extending through the other end thereof and into the bottom of said socket; a contact piece inserted in said socket, the walls of said socket being compressed inwardly to compress the inserted portion of said contact piece; and a stem inserted in the bore in said head, substantially as described.

1,483,159. PORTABLE STOVE. WILLIAM C. COLEMAN, Wichita, Kans. Filed Mar. 30, 1923. Serial No. 628,764. 4 Claims. (Cl. 126—38.)



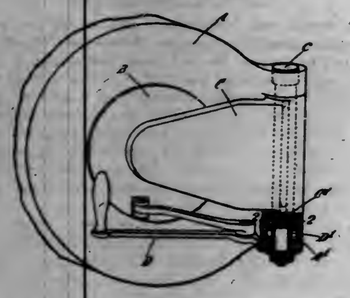
4. In a portable stove, a case having a hinged cover, a burner mechanism, means for shifting the burner mechanism to one side of the case, and a fuel tank for the burner mechanism mounted to swing into the case when the burner mechanism is shifted to one side thereof and to swing out of the case to permit the burner mechanism to be shifted toward the center of the case.

1,483,160. RECOVERING SODA AND ACTIVE CARBON. MAYNARD J. CREIGHTON, Wilmington, Del., assignor to Darco Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 28, 1922. Serial No. 547,540. 3 Claims. (Cl. 252—3.)

1. In the treatment of black liquors for the recovery of soda therefrom and for the production of activated

carbon, the process which comprises incinerating evaporated residues of such a liquor, reheating the incinerated material at a temperature around 600° C. or above in the presence of steam and separating soda from carbon by washing.

1,483,161. ORDNANCE BREECH MECHANISM. ARTHUR TREVOR DAWSON, GEORGE THOMAS BUCKHAM, and WILLIAM ROBERTSON PURVIS, Westminster, London, England, assignors to Vickers Limited, Westminster, London, England. Filed Nov. 13, 1923. Serial No. 674,455. 7 Claims. (Cl. 89—20.)



1. In ordnance breech mechanism, the combination of a movable carrier, means which are not of a self-locking character for operating said carrier, an operating member for said means, a self-locking device which operates to retain the carrier in any position in which it is placed and means operated by said member for releasing said device on movement of said member in either direction.

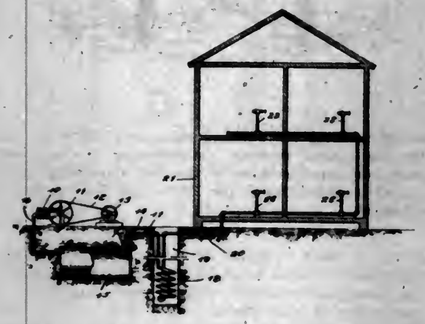
1,483,162. MECHANICAL MOVEMENT. VICTOR R. DESPARD, Hinsdale, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Sept. 19, 1919. Serial No. 324,773. 7 Claims. (Cl. 173—354.)



1. Operating mechanism for switches comprising a tubular operating lever having an inturned flange at one end provided with an opening through the side of the lever connecting with an opening through the flanged end, a ball chain passed through the side opening of the tube and a ball link of which engages the lever flange to support the chain, and means for holding the chain in its supported position.

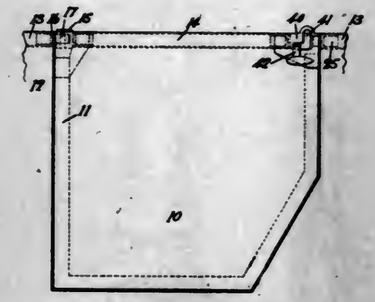
1,483,163. TEMPERATURE-REGULATING SYSTEM FOR HOUSES. EDWARD L. DOUGLASS, Jacksboro, Tex. Filed Sept. 30, 1922. Serial No. 591,533. 1 Claim. (Cl. 98—27.)

A system for stabilizing the atmospheric temperature of a building structure comprising a well tapping a subterranean volume of water, a tank buried in the earth at a location spaced from the side of the well, pumping means for forcing atmospheric air, a pipe for conducting the air from the pump to the tank, the transverse sectional area of the pipe being less than the transverse sectional area of the tank, a second pipe leading from the tank at a point which is spaced from the point of entrance of the first mentioned pipe with the tank, the second mentioned pipe being substantially of the same diameter as that of the first mentioned pipe and being less in transverse sectional area than the transverse sectional area of the tank, the second mentioned pipe



having a coil section disposed in the well and extending below the level of the bottom of the tank, said coil being above the surface level of the water in the well and lying within the radiating zone affected by the temperature of the water, the second mentioned pipe having a section leading from the coil and entering the building and provided with an air opening which is located within the building.

1,483,164. DOOR FOR AIRCRAFT BODIES. IVAN H. DRIGGS, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 12, 1921. Serial No. 507,238. 4 Claims. (Cl. 244—30.)



1. An aircraft body having a stress member therein, a door in the body, said stress member having a section cut away at the door, a brace carried by the door to lie in alignment with the ends of said stress member and complete the cut away section when the door is closed, and hinge means and bolt means for securing the brace to the stress member, whereby the stress member is rendered continuous in effect, said hinge means and bolt means lying in direct alignment with said stress member.

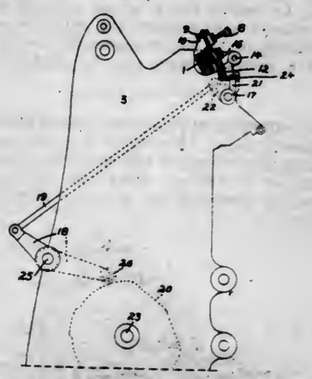
1,483,165. PRACTICE GOLF BALL. WASHINGTON LIBBEY EATON, Holyoke, Mass. Filed May 4, 1922. Serial No. 558,413. 2 Claims. (Cl. 46—4.)

1. A golf practice ball, said ball being hollow in construction, of substantially the same size as the balls employed in the usual golf game, and being provided with numerous apertures communicating with the interior of



the ball, said apertures being of a size such as not to materially detract from the rotundity of the ball.

1,483,166. THREAD-CLAMPING DEVICE. LOUIS EGGER, Summiswald-Grunen, Switzerland. Original application filed Dec. 21, 1921, Serial No. 523,989. Patent No. 1,450,914, dated Apr. 10, 1923. Divided and this application filed Dec. 4, 1922. Serial No. 604,920. 4 Claims. (Cl. 112—59.)



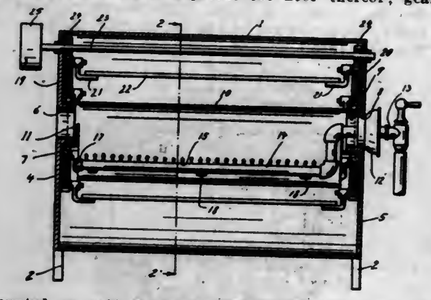
4. In a thread clamping device of the character set forth, in combination with suitable supporting means, a cross-bar rigidly mounted on said supporting means, a plurality of laterally slit housings presenting downwardly tapering bores on said cross-bar, a bridge member rigidly secured to said cross-bar, thread tensioners on said bridge member, plugs adapted for reciprocal cooperation with said housing bores and means for normally retaining said plugs in their relative clamping position, means for periodically lifting said plugs, comprising a swing bar in operative contact with the lower faces of said plugs, a bell crank pivoted on said supporting means, one arm of which coacts with said swing bar, an adjusting member on this bell crank arm, a main drive shaft, a cam fixed thereto, a second bell crank pivoted on said supporting means and operable by said cam, and a connecting link between said cam operated bell crank and said swing bar operating bell crank.

1,483,167. BURNER CHAMBER FOR ROTARY BAKING OVENS. HENRY EICHNER, Chicago, Ill. Filed Sept. 24, 1921. Serial No. 502,960. 6 Claims. (Cl. 107—59.)

1. In combination with a rotary oven having a carrier axially mounted therein; a plurality of shelves pivotally mounted adjacent the periphery of said carrier; and a heating chamber mounted co-axially with said carrier and having a portion offset with respect to the axis thereof.

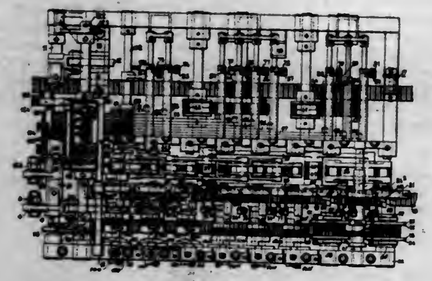
6. The combination with a rotary baking oven, a burner chamber adapted to be mounted within the revolving carrier of said oven; apertures in the end walls of said oven and inwardly turned flanges surrounding said apertures; sockets in said burner chamber engaging said flanges; a

mixer mounted in one of said apertures; a curved perforated burner pipe attached to said mixer and extending through said chamber adjacent the floor thereof; gears



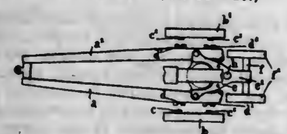
mounted on said flanges and held in position by said sockets; shelves mounted on said gears and revolving therewith; and means for synchronously driving said gears, substantially as described.

1,483,168. AUTOMATIC OPERATING DEVICE FOR EMBROIDERY MACHINES. OTTO FAHRNI, Blumlimatt, near Thun, Switzerland, assignor to Gottlieb Rieser and Leopold Wyler, both of Berne, Switzerland. Filed Apr. 15, 1918. Serial No. 228,572. 11 Claims. (Cl. 112—86.)



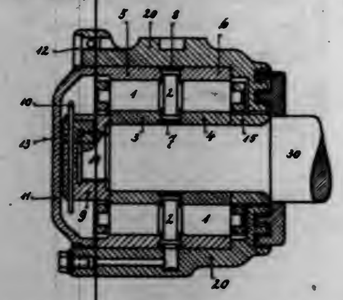
1. An automatic operating mechanism for embroidery machines, of the type in which the simultaneous vertical and horizontal displacements of the frame which jointly determine the shifting thereof are, for each stitch, controlled by means of holes formed in a pattern-strip, said mechanism including a frame-actuating rack; a lever attached thereto; a series of cranks having different arm-lengths and adjustable, independently of one another in two positions opposite one to the other, each crank being capable of producing a displacement of the rack corresponding to the throw of the crank; and a series of two-armed levers which connect the cranks with the first-named lever and transmit thereto the throws of the cranks.

1,483,169. GUN CARRIAGE. LOUIS JEAN FRANÇOIS FILLOUX, Le Havre, France. Filed Jan. 12, 1922. Serial No. 528,815. 11 Claims. (Cl. 89—40.)



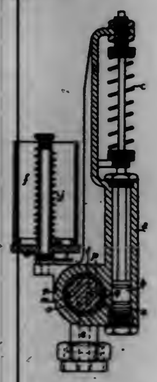
1. A gun carriage of the split trail type comprising, in combination, a frame, two trail members pivoted thereon, and a chain track directly mounted, independently of the trail pivot, on each of said trail members, for the purpose described.

1,483,170. BEARING. LEO FLESCH, Elberfeld, Germany, assignor to the Firm G. & J. Jaeger Kommanditgesellschaft, Elberfeld, Germany. Filed June 1, 1921. Serial No. 474,212. 6 Claims. (Cl. 64—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



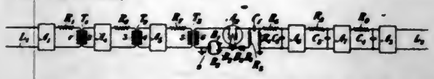
6. A bearing comprising an outer casing, a plurality of rollers axially disposed with respect to said casing for transmitting radial thrust, a collar on each of said rollers disposed intermediate the ends thereof, a pair of inner bushings disposed on each side of said collars, and adapted to transmit radial and axial loads to said collers, the axial loads being transmitted to said collars by the ends of said bushings adjacent said collars, spacing means between said bushings, means for clamping said bushings in position, a pair of outer bushings disposed on each side of said collars and adapted to take up radial and axial loads, spacing means between said outer bushings and means associated with said casing for clamping said outer bushings and spacing means, said collars extending between said bushings but not into contact with said spacing means.

1,483,171. INDICATOR FOR RECIPROCATING ENGINES. CHARLES HENRY GALE, St. Johns, Bishopstoke, England. Filed Dec. 1, 1922. Serial No. 604,436. 4 Claims. (Cl. 234—21.)



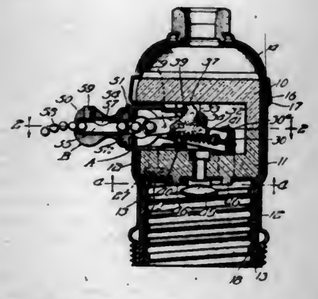
1. A fluid pressure engine indicator comprising a bracket a pressure recorder mounted on said bracket, a valve chamber mounted on said bracket, two co-axial ported sleeves relatively rotatable and in close contact forming a valve mounted on said chamber, means for rotating one sleeve in harmony with the engine, means for adjustably rotating the second sleeve independently of the engine to enable the ports in said sleeves to register at any desired point in the engine cycle, means for connecting said valve with the pressure recorder and simultaneously the engine cylinder at a predetermined point in each cycle, a recording drum mounted on said bracket, a cam connected with said independently adjustable sleeve and adapted to impart to the said recording drum a movement representing the movement of the engine piston and a dashpot device connected with the pressure recorder.

1,483,172. SIGNALING SYSTEM. DANFORTH K. GANNETT, Arverne, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 19, 1920. Serial No. 375,077. 7 Claims. (Cl. 178—44.)



1. In a signaling system the combination with a signal transmission line exposed to interference from extraneous sources of a network comprising bridged inductance across which the waves transmitted over the said line are impressed and adapted to produce the first derivative of the said waves, a translating device whose characteristic curve has a saturation point upon which the said derivative wave may be impressed whereby the amplitude of the wave may be limited and a second network comprising bridged capacity across which the output wave of the said translating device may be impressed whereby the integral of the impressed wave may be obtained.

1,483,173. SWITCH-OPERATING APPARATUS. DAVID D. GORDON, Chicago, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Apr. 20, 1918, Serial No. 229,743. Renewed Oct. 8, 1923. 13 Claims. (Cl. 173—354.)



1. Switching mechanism for lamp sockets comprising a shell a switch movement having a frame carrying a fixed seat protruding from the shell, and a externally secured readily removable universal lever tiltably resting on the seat and connected with the switch movement.

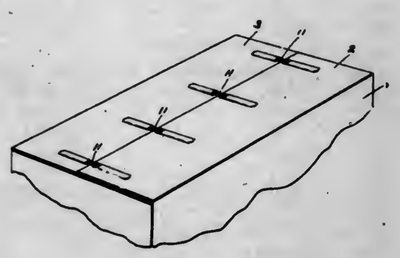
1,483,174. BOX. JASON H. GREENSTREET, Indianapolis, Ind.; Charles J. Greenstreet executor of the estate of said Jason H. Greenstreet, deceased. Filed Oct. 13, 1922. Serial No. 594,255. 7 Claims. (Cl. 217—12.)



1. In a package the combination with a series of side forming sections each section having secured at the opposite ends thereof cleats, of end members associated with said sections each comprising a pair of veneer panels the grain of one panel extending transversely to the grain of the other panel, diagonally disposed braces arranged between said panels spacing the same apart to receive said

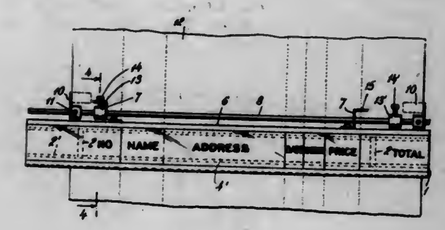
cleats and having their ends abutting against said cleats and means extending through the veneers and through the cleats for securing the end members in position with respect to the side sections.

1,483,175. SEALING DEVICE. ARTHUR G. G. GUENTHER, Chicago, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 25, 1918. Serial No. 218,976. 4 Claims. (Cl. 229—47.)



3. A fibre carton having oppositely disposed flaps, a plurality of tongues secured to each of said flaps extending in opposite directions in overlapping relation and aligned in pairs, a sleeve formed integral with one of the tongues of each pair and adapted to receive the other tongue of the pair, the sleeve and tongue of each pair being crimped together to provide a sealed tension resisting joint connecting said tongues.

1,483,176. COLUMN GUIDE. HERBERT ANDREW HENRIKSON, Providence, R. I. Filed June 17, 1922. Serial No. 568,938. 8 Claims. (Cl. 281—42.)



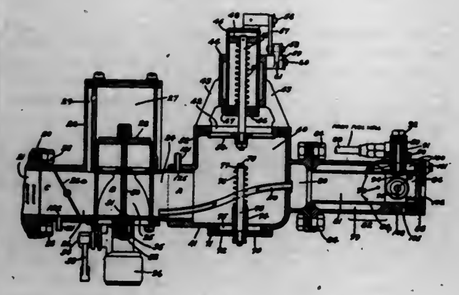
7. A column guide for use with ruled or unruled paper, comprising a substantially wedge shaped base, means for holding a strip of material bearing column headings, means for supporting said strip holding means out of contact with the paper, and a pair of alignment guides adjustably mounted on one edge of said base.

1,483,177. SUCTION BURNER. JOHN H. HUNT and JOHN T. FITZSIMMONS, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed May 19, 1921. Serial No. 470,981. 25 Claims. (Cl. 123—122.)

1. In a fuel charge heater for internal combustion engines, the combination with a burner head and a heating chamber member adapted for heating the engine fuel and communicating with the engine intake; of a nozzle for admitting fuel spray; ignition means for said spray; means for admitting combustion air to said burner head; and means for distributing combustion air including provisions for directing air toward said nozzle.

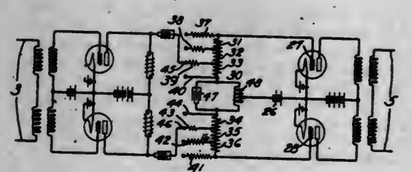


1,483,178. SUCTION BURNER. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 20, 1922. Serial No. 555,670. 14 Claims. (Cl. 123—122.)



1. In a fuel vaporizing device, the combination with an engine having an intake; of a carburetor connected therewith; a suction operated liquid fuel burner discharging into the carburetor for heating the same; and means for automatically restricting the variation of burner suction to a range less than the range of engine suction.

1,483,179. MEANS FOR CONTROLLING ELECTRICAL TRANSMISSION. JACOB S. JAMMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 17, 1922. Serial No. 568,940. 5 Claims. (Cl. 178—44.)



1. An attenuating device and an input and an output lead therefor, said device comprising a resonant circuit, a resistance, means for connecting an adjustable amount of said resistance between said circuit and said input lead, and means for so connecting said output lead to

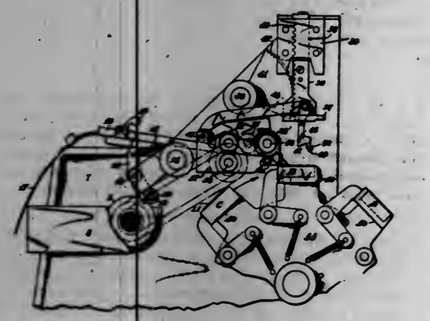
said resistance that during normal operation of said device said output lead is at a potential between the potentials of the points of connection of said input lead and said circuit to said resistance.

1,483,180. PRESSURE-FLUID-ACTUATED TOOL. WILLIAM H. KELLER, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Mar. 15, 1920. Serial No. 365,787. 5 Claims. (Cl. 121—36.)



1. A pressure-fluid actuated tool comprising, in combination, a cylinder, a handle screw-threaded on the rear end of the cylinder, and means for locking the handle upon the cylinder comprising a locking pin, said cylinder and handle having openings adapted to receive said pin, and an annular member surrounding the handle and cylinder and arranged to retain said pin in operative position, said member forming with the handle and cylinder an annular chamber and having openings therein leading from the chamber to the atmosphere, and said cylinder having one or more exhaust passages discharging into said chamber.

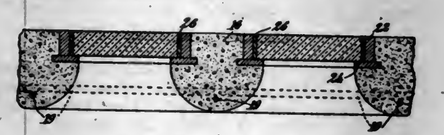
1,483,181. LABELING MACHINE. JAMES A. KNYBS, New York, N. Y. Filed Nov. 20, 1922. Serial No. 601,988. 10 Claims. (Cl. 216—33.)



1. The method of detaching a label from a label strip which consists of maintaining a portion of the label strip on both sides of the line of detachment in a substantially even plane, holding one marginal edge only of the label strip on one side of the line of detachment of the label from the label strip, holding the label to be detached on the other side of the line of detachment, and straining the label strip between the holding points until the label is parted from the strip.

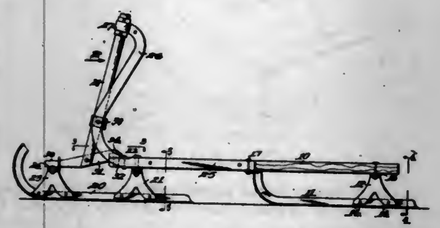
1,483,182. VAULT LIGHT. FRANK ADOLPH LEERS, Bogota, N. J. Filed May 31, 1923. Serial No. 642,526. 5 Claims. (Cl. 88—59.)

1. A vault light comprising a grating structure, lights or lenses adapted to set in the openings in said grating structure, and rings or frames in said openings between said grating structure and said lenses, having a less coefficient of expansion with temperature than that of



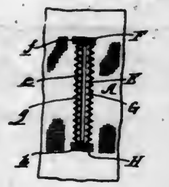
said lenses, adapted to relieve said lenses from contraction stresses exerted by said grating structure due to temperature changes.

1,483,183. SLIDING SCOOTER. ALFRED E. LINDBERG, Worcester, Mass. Filed Feb. 6, 1923. Serial No. 617,214. 4 Claims. (Cl. 280—16.)



1. In a scooter of the character described, the combination with a top having front side runners supporting it, a stationary member extending upwardly above the top and having two bearings one above the other, a steering rod adapted to turn in said bearings and extending upwardly, a lever connected with the bottom of the steering rod, and means for transmitting the turning motion of the lever to said runners to steer the device.

1,483,184. BUTTONHOLE AND METHOD OF MAKING THE SAME. MICHAEL MCCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed May 9, 1922. Serial No. 559,572. 4 Claims. (Cl. 112—264.)

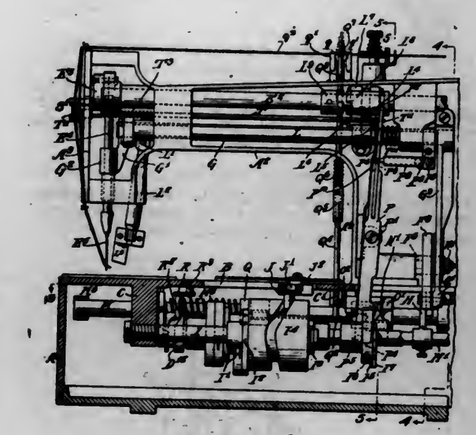


1. As a new article of manufacture a button hole having two parallel lines of straight stitches extending from end to end of the button hole one on each side thereof and two lines of zig zag stitches formed over the straight stitches.

1,483,185. PULL-OFF MECHANISM FOR BUTTONHOLE-SEWING MACHINES. MICHAEL MCCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1922. Serial No. 579,794. 7 Claims. (Cl. 112—242.)

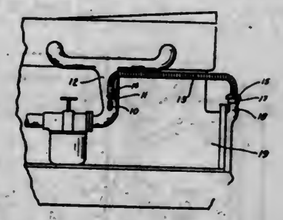
1. In a button hole sewing machine having means for stopping the machine as the button hole is finished, comprising and actuated by a longitudinally movable shaft

and a spring acting to move the shaft in a direction to actuate the stop mechanism, the combination with said shaft of a latch normally holding it in inoperative position, means acting to release said latch as the button hole nears completion, a bar pivoted on the stop shaft



and moving with it, said bar having a pull off actuating extension, a rotating cam actuated by the driving shaft and located to register with and actuate the pivoted bar when the stop motion shaft is released from its latch, and a pull off device arranged to be actuated by the bar extension aforesaid.

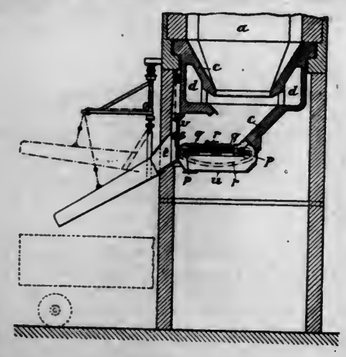
1,483,186. COMBINATION INLET VALVE AND PRIMING CUP. EINAR MINOR, Chicago, Ill. Filed Feb. 16, 1921. Serial No. 445,305. 1 Claim. (Cl. 123—119.)



The combination with the inlet manifold and the breather pipe of an automobile engine, of a cup mounted in a wall of said manifold, a valve in said cup, spring means to normally hold said valve closed, said valve opening automatically during intake of fluid through said manifold, a sleeve fitting the top of said breathe pipe, in place of the usual breather pipe cap and a fluid conduit between said cup and said sleeve.

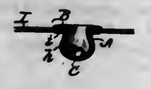
1,483,187. CONTAINER FOR THE DRY COOLING OF COKE. ARNOLD MOETTELI, Oberwinterthur, Switzerland. Filed Feb. 1, 1923. Serial No. 616,298. 1 Claim. (Cl. 202—11.)

A device for dry cooling coke comprising a container with a conical bottom, an enclosed space below said container, means for introducing cooling gases through said enclosed space into the container; a conveyor belt



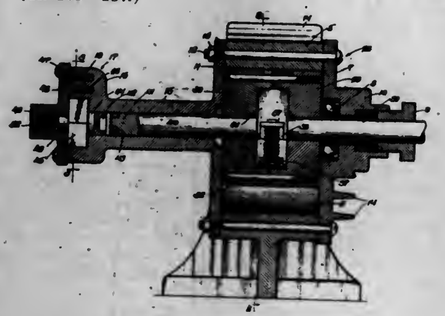
below the conical bottom and within the enclosed space for discharging the coke, whereby the coke is discharged without interrupting the flow of cooling gases.

1,483,188. SEPARABLE FASTENER. WILLIAM B. MURPHY, Weehawken, N. J., assignor to Defiance Button Machine Co., New York, N. Y., a Corporation of New York. Filed Feb. 11, 1922. Serial No. 535,771. 3 Claims. (Cl. 24—213.)



1. In a separable fastener, the combination with a shell, of a seamless tubular post the metal at one end of which is deformed, said post being expanded within said shell for the metal at the deformed end thereof to conform under pressure to the contour of said shell.

1,483,189. PUMP. CARL F. PEARSON, Chicago, Ill. Filed Apr. 5, 1922. Serial No. 549,815. 5 Claims. (Cl. 103—137.)



1. A pump structure comprising a cylinder housing; a hollow rotary sleeve therein eccentric to the axis of the cylinder, said sleeve transversely divided into two members and having a peripheral wall of substantially uniform thickness said sleeve having parallel slots extending therethrough, one on each side of its axis of rotation; means to hold the members together a blade in each slot; an arm attached to each blade and extending toward the other blade beyond the axis of rotation and wholly within the wall of the sleeve and a spring between the arms to yieldingly hold the blades in outward positions.

1,483,190. CENTERING DEVICE FOR WORK OR TOOL HOLDERS. ADOLF KAEGI-TREULIN, Pfaeffikon, Switzerland. Filed July 25, 1922. Serial No. 577,332. 3 Claims. (Cl. 279—1.)



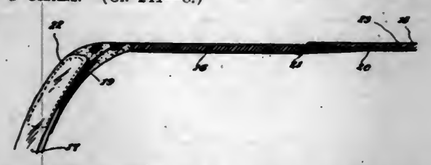
1. In a work or tool holder of the character set forth, in combination, a body member, clamping means for rough-adjustment on the one face of said body member; a flange member mounted on the other face of said body member and presenting two diametrically opposed guide slots and adapted to be mounted on the machine spindle; and means for allowing of displacement of said body member relative to said flange member, comprising an adjusting nut operable in one of said flange member slots and an eccentric operable in the other flange member slot, and means supporting, and operating through said adjusting nut and said eccentric respectively for clampingly retaining the relatively displaced parts in the adjusted position.

1,483,191. RESILIENT WHEEL. RUPERT H. LANGDALE, Cincinnati, Ohio. Filed Nov. 4, 1921. Serial No. 512,801. 7 Claims. (Cl. 152—28.)



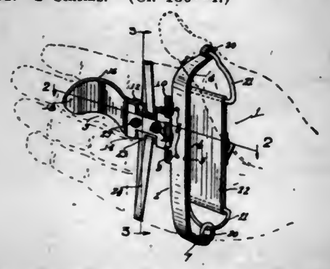
1. A resilient supporting element in wheels, comprising inner and outer concentric rubber portions, one of said portions being formed with a plurality of ridges therein, the other of said portions formed with individual ridges adapted to be seated within the plural ridges, and a hanger device on the plural ridges to support the individual ridges in position inset within them, for the purpose described.

1,483,192. ELASTIC BELT. GEORGE LANGGONS, Brooklyn, N. Y. Filed Mar. 30, 1922. Serial No. 548,075. 3 Claims. (Cl. 241—8.)



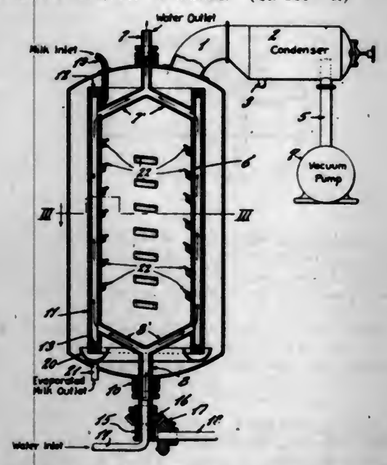
1. A belt comprising end sections of leather and an intermediate section of rubber, a strip of canvas vulcanized to each end of said rubber section and secured by means of stitching to the leather sections.

1,483,193. CORN-HUSKING TOOL. FREDERIC MARTIN, Columbus, Ohio. Filed May 22, 1922. Serial No. 562,761. 2 Claims. (Cl. 130—4.)



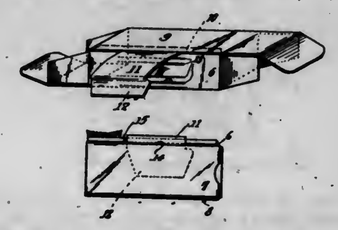
1. In a corn husking tool, a sheet metal base strip formed to include inner and outer integral layers, eyes formed with said layers, a claw holder of sheet metal bent to provide integral inner and outer layers, the latter being integrally joined by an eye portion arranged to register with the eyes of said base strip, a pin passing through said eyes to flexibly unite said strip and holder, and a claw member secured between the inner and outer layers of said holder.

1,483,194. EVAPORATING APPARATUS. HENRY C. PETERSEN, Ste. Genevieve, Mo. Filed Oct. 4, 1920. Serial No. 414,686. 4 Claims. (Cl. 159—6.)



1. In an evaporator of the character described, a vacuum chamber having a vapor outlet, means for maintaining a vacuum in said chamber, a centrifugal device including a heating element in the form of a cylinder having an inner face adapted to receive the liquid to be evaporated and a jacket surrounding said cylinder, means for delivering the liquid to said inner face of the cylinder, bearings in which said cylinder is rotatably mounted said cylinder being provided with hollow trunnions arranged in said bearings, means for rotating said cylinder to forcibly spread the liquid in the form of a film on said inner face of the cylinder, and means for transmitting a heating fluid through said hollow trunnions and through said jacket so as to heat the film of liquid on said inner face of the cylinder, the interior of said cylinder being in free communication with said vacuum chamber to provide for vaporization of the liquid at a relatively low temperature.

1,483,195. DISPLAY BOX. EDWARD E. PINKERTON, Chicago, Ill., assignor of one-half to Joshua R. H. Potts, Chicago, Ill. Filed Mar. 16, 1922. Serial No. 544,122. 2 Claims. (Cl. 211—40.)



1. A display box comprising a foldable box body; and a flexible strip secured at one end of said body, there being slits formed in said body through which the free end of said strip is laced to form a retainer for holding an article to be displayed.

1,483,196. SANITARY WRAPPER FOR ICE-CREAM CONTAINERS. WILLIAM H. PRINCE, Minneapolis, Minn. Filed June 26, 1922. Serial No. 570,911. 7 Claims. (Cl. 229—87.)

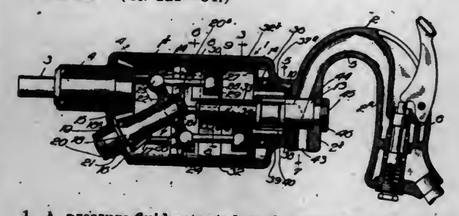


1. A wrapping for an edible container comprising an inner wrapper normally entirely housing the container and formed for permitting one end thereof to be turned outwardly to freely expose the mouth of the container, and an outer wrapper open at both ends and in which the container when housed by the inner wrapper is freely slidable.

1,483,197. PROCESS OF PRODUCING NITROGEN CONTAINING COMPOUNDS. JAMES H. REID, Pittsburgh, Pa., assignor to International Nitrogen Co. Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 14, 1919. Serial No. 338,109. 10 Claims (Cl. 23—13.)

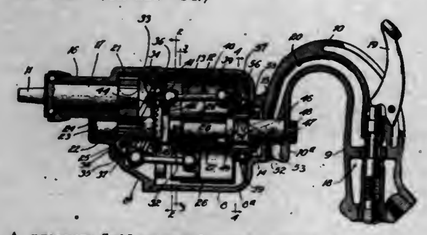
1. The process of producing a nitrified product which consists in conducting the material to be nitrified through a progressively heated zone and subjecting the carbide in such zone to an atmosphere of nitrogen having an activating agent mingled therewith.

1,483,198. ROTARY PISTON DRILL. ALBERT SCHINKEZ, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Mar. 27, 1920. Serial No. 369,160. 2 Claims. (Cl. 121—34.)



1. A pressure-fluid-actuated tool comprising, in combination, a casing having a forward section and a rear section, the rear section having a handle rigid therewith and the forward section having a forwardly projecting journal bearing, said handle having a valve controlled air passage therein, valve means mounted in the rear section and adapted to control the flow of pressure fluid from said passage, said valve means including a stationary member having rigid therewith a journal extending forwardly into the rear section of the casing substantially coaxially thereof, a plurality of cylinders rotatable as a unit upon said journal, said valve means being adapted to control the flow of pressure fluid to and from said cylinders, pistons in said cylinders, an inclined disk mounted in the forward casing section to rotate on an axis intersecting the axis of the cylinder unit, means operatively connecting said pistons with said inclined member whereby in the reciprocation of the pistons to cause the said member to rotate, and a shaft journaled in the bearing in the forward casing section and having a gearing connection with said inclined member.

1,483,199. ROTARY PISTON DRILL. ALBERT SCHINKEZ, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Dec. 16, 1920. Serial No. 431,129. 1 Claim. (Cl. 121—34.)

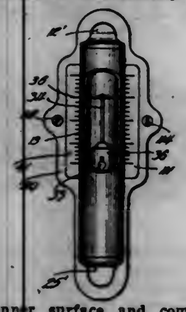


A pressure-fluid-actuated tool comprising, in combination, a casing, a rotary element providing a plurality of circumferentially arranged cylinders rotatably mounted as a unit in said casing and each having a piston therein, a tool spindle journalled in the casing, a rotary inclined member operatively connected with said pistons and with said spindle, said connection being adapted to maintain the member and cylinders in rotative alinement and comprising a gear element journalled at its forward end in the casing and fixed at its rear end in said rotary element, said gear element having a spur pinion and a bevel pinion, said tool spindle having a spur gear adapted to mesh with said spur pinion, and said annular member having bevel gear teeth meshing with said bevel pinion.

1,483,200. FLOW METER. JOHN F. SKOLD, Chicago, Ill. Filed May 6, 1921. Serial No. 467,510. 3 Claims. (Cl. 73—167.)

3. A flow meter comprising a tubular support having a sight opening formed therein, a gauge glass in said tubular support, a tubular member projecting from said

tubular support and into said gauge glass and provided at its inner end with a discharge opening, the said tubular member having a longitudinally extending groove



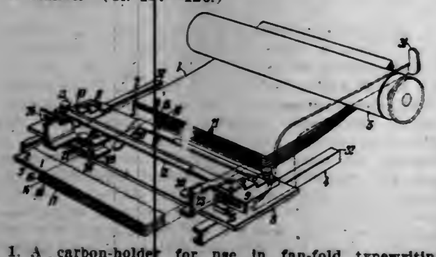
formed in its inner surface and communicating with said discharge opening, the depth of said groove increasing toward the inner end of said tubular member, and a disc mounted to reciprocate in said tubular member.

1,483,201. TYPEWRITING MACHINE. CHARLES E. SMITH, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Original application filed Apr. 6, 1922, Serial No. 550,045. Divided and this application filed Jan. 11, 1923. Serial No. 611,922. 29 Claims. (Cl. 197—186.)



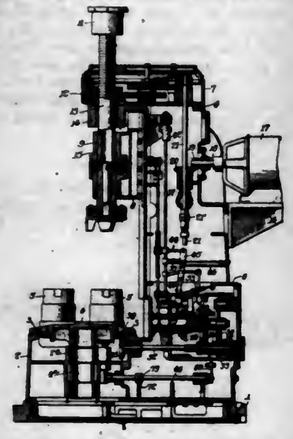
1. In a typewriting or like machine, the combination of a carriage, a platen carried thereby, feed mechanism for said carriage, a finger piece for turning said platen said finger piece being shiftable to and from compact position and adapted to remain indefinitely in either o said positions, and means controlled by said finger piece for releasing the carriage from the restraint of its feed mechanism.

1,483,202. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 28, 1920. Serial No. 377,189. 9 Claims. (Cl. 197—126.)



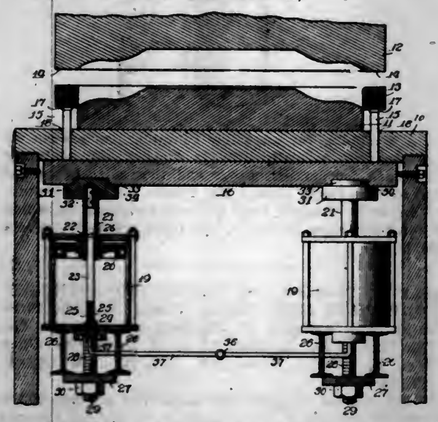
1. A carbon-holder for use in fan-fold typewriting machines, comprising a piece of sheet-metal formed to provide a thin carbon-holding body-portion to which a sheet of carbon may be secured and a thin work-web-cutting blade-portion of the same thickness as the body-portion, extending obliquely from the body-portion at the end thereof, and integral therewith, the construction being such that the combined carbon-holding body and work-web-cutting blade may be made by a single stamping operation.

1,483,203. AUTOMATIC TABLE INDEXING AND LOCKING MECHANISM. WILLIAM N. STEVENS, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Original application filed Aug. 26, 1921, Serial No. 495,707. Divided and this application filed Oct. 9, 1922. Serial No. 593,165. 6 Claims. (Cl. 29—50.)



1. In an automatic table indexing mechanism, the combination with an upright frame structure, and a bed, of a slide mounted to reciprocate vertically on said frame structure, a spindle carried by said slide, a table rotatably mounted on said bed and carrying work holders movable in succession to a position beneath said spindle, means, including a pair of normally separated clutch members, for turning said table, spring actuated means for coupling said clutch members, detent mechanism normally holding said coupling means inactive, means actuated by said slide on its return travel for retracting said detent mechanism, and means for automatically uncoupling said clutch members at the end of the indexing movement of said table.

1,483,204. DIE CUSHION. DAVID STRAND, Chicago, Ill., assignor, by mesne assignments, to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 11, 1918. Serial No. 227,940. 3 Claims. (Cl. 113—46.)



1. Means for converting an ordinary power punch press into a sheet metal drawing press while maintaining the press intact for its original designed purposes, said

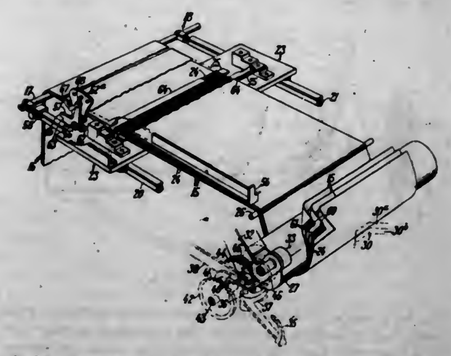
means embodying a cushion, the said cushion embodying a plurality of pressure cushions, and gripping means for the material carrying projecting operating and guiding means, a plate engaged by such projecting means, and with which plate the cushions are operatively connected, whereby a substantially unvarying pressure will be exerted by the cushions upon the gripping means, said cushions and the mechanism responsive to the operation thereof being adapted to be rendered inactive at will, while the remaining parts of the press remain active.

1,483,205. LOCKER LOCK. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois Filed Mar. 24, 1921. Serial No. 455,030. 11 Claims. (Cl. 70—14.)



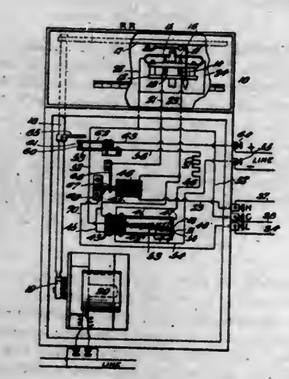
2. A front for lockers and the like, comprising a door a door casing, a slidable latching bar in said door, a handle fixedly secured to said bar, keeper members on said casing adapted to cooperate with said bar to latch th door closed, and a plurality of locks, for locking the door said latching bar and keeper member being disengageabl by removal of one of said locks.

1,483,206. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Type writer Company, New York, N. Y., a Corporation o Delaware. Filed Apr. 9, 1920. Serial No. 372,445 18 Claims. (Cl. 197—126.)



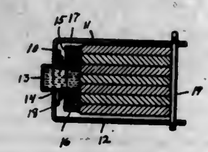
1. In a typewriter machine, the combination with platen, a releasable feeding device, to receive and line feed work-sheets, of an interleaved copying elemen having a plurality of fields of different colors, and means settable to a plurality of operative positions to shift the copying element relatively to said work-sheets to selectively render any one of the fields effective.

1,483,207. SAFETY DEVICE FOR CONTROL INSTRUMENTS. CHRISTIAN WILHJELM, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 9, 1922. Serial No. 587,252. 18 Claims. (Cl. 236—1.)



1. A safety system for a control instrument, comprising a safety circuit arranged to control a mechanism to prevent abnormal or danger conditions in a system controlled by said instrument, a control circuit, means controlled by said instrument for opening and closing said control circuit, and means actuated by said control circuit for controlling said safety circuit, said last means being arranged to affect said safety circuit in one manner when said control circuit is periodically closed, and to affect said safety circuit in another manner when said control circuit is continuously closed.

1,483,208. SPRING OILER. SAMUEL BARUCH, New York, N. Y. Filed Apr. 12, 1923. Serial No. 631,512. 11 Claims. (Cl. 184—1.)



1. A lubricating device for laminated springs, including a lubricant container having an open end and a peripheral flange, an annular gasket engaging with the face of said flange, and a frame having an opening receiving said container but smaller than said flange.

1,483,209. APPARATUS FOR BLASTING BY THE USE OF ELECTRICITY. JOHN H. BILLS, deceased, late of Denver, Colo.; by Mollie R. Bills, administratrix, Denver, Colo. Filed June 12, 1922. Serial No. 567,777. 2 Claims. (Cl. 102—6.)

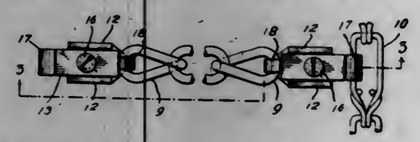
2. A toroidal-shaped cartridge whose length exceeds its diameter, said cartridge being formed of two concentric tubular members of different diameters whose ends are

autogenously welded, whereby a closed cylindrical chamber is formed, said chamber being provided with an open-



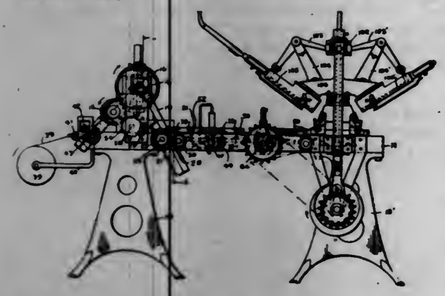
ing for introducing a liquid thereinto, a plug in said opening, and an electric heater element within the innermost tubular member.

1,483,210. CONNECTER FOR CHAIN LINKS. JOSEPH BLAEKER, New York, N. Y., assignor of one-half to Maxwell Eisenstein, New York, N. Y. Filed Mar. 6, 1923. Serial No. 623,239. 5 Claims. (Cl. 24—238.)



1. A connecter for chain links comprising an elongated body portion having upturned hook extensions at the opposite ends thereof and side guide plates upturned at the sides thereof, and a closure member operatively disposed between said guide plates for closing the entrances to said hook-like extensions; and means for moving the said closure member to and from between the ends of said extensions.

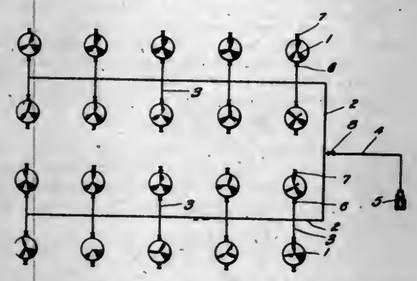
1,483,211. TRAY-MAKING MACHINE. HENRY BRADY Bloomfield, N. J., assignor to Henry Brady, Inc., a Corporation of New Jersey. Continuation of application Serial No. 71,931, filed Jan. 13, 1916. This application filed Nov. 11, 1919. Serial No. 337,302. 4 Claims. (Cl. 93—42.)



3. The combination of blank forming devices, a die and plunger for folding the blanks to the required shape, a gripping rod normally retracted from the die and guided through the centre of one part of the same to force portions of the blanks toward the plunger before the blank is in the die, means to reciprocate said rod, means external of the die for folding the corners and stapling devices adjacent to the end of the die.

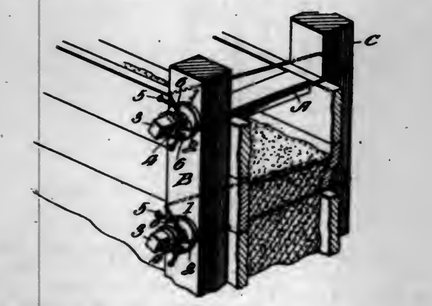
1,483,212. VAPOR-CONSERVATION SYSTEM. STEPHEN H. BROOKS, Muskogee, Okla., assignor to Oil Conservation Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 17, 1921. Serial No. 453,086. 7 Claims. (Cl. 220—85.)

1. A system for conserving the lighter hydrocarbons generated from hydrocarbon oils comprising a tank, a pipe leading from the tank, an exhauster at one end of the pipe, a pressure-actuated valve in the pipe movable to open position only upon accumulation of pressure in the tank to allow communication with the exhauster, and a



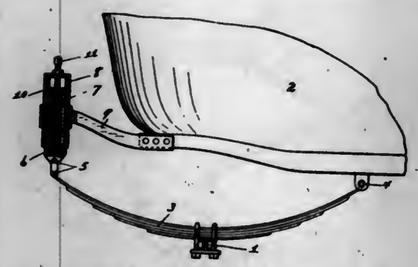
suction-actuated valve in the pipe between the pressure-actuated valve and the exhauster and normally open to atmosphere.

1,483,213. CLAMP FOR TIE WIRES. JOHN R. BULLIS, Winston-Salem, N. C. Filed Mar. 23, 1923. Serial No. 627,206. 5 Claims. (Cl. 25—131.)



1. A clamp for tie wires including a flat base for floating contact with a support, a part projecting from said base and formed to receive the ends of a tie wire, and means for turning said clamp.

1,483,214. VEHICLE SPRING. CHARLES H. CROCKETT, Troy, N. Y. Filed Dec. 1, 1916, Serial No. 134,255. Renewed June 16, 1922. Serial No. 568,820. 9 Claims. (Cl. 267—29.)



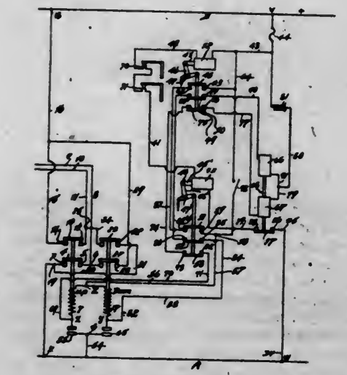
1. In a suspension system, a main-spring having a relatively low deflection-load-ratio; an auxiliary-spring having a relatively high deflection-load-ratio; and means constructed and arranged to so support them that the spring force of the auxiliary spring is never substantially greater than that due to the normal load.

1,483,215. VISIBLE INDEX. WILLIAM P. DE SAUSSURE, Jr., Englewood, N. J. Filed Aug. 31, 1921. Serial No. 497,154. 8 Claims. (Cl. 129—16.)



1. A visible index comprising in combination a rack having a back and a series of card holders slidably mounted in the rack, each card holder having a rearward projection adapted to support the lower edge of the holder next above and to engage said back, causing each holder to assume a forwardly inclined position in the rack.

1,483,216. ELEVATOR SEQUENCE SAFETY DEVICE. NEVILLE S. DICKINSON, Glen Ridge, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New York. Filed June 18, 1920. Serial No. 390,048. 15 Claims. (Cl. 187—31.)



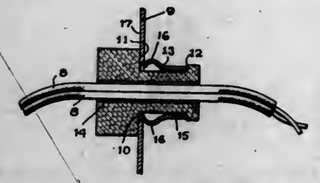
5. In an elevator safety appliance, the combination with an elevator operating circuit, a line switch magnet and a starting switch for controlling said circuit, of a gate circuit, means actuated on closing said gate circuit followed by actuation of said starting switch for closing a circuit through said line switch magnet, and means for breaking said gate circuit if said starting switch is first closed.

1,483,217. ANALGESIC COMPOUND AND PROCESS OF PRODUCING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,932. 10 Claims. (Cl. 260—104.)

1. As an analgesic, a therapeutically pure alkali salt of salicylo-salicylic acid.

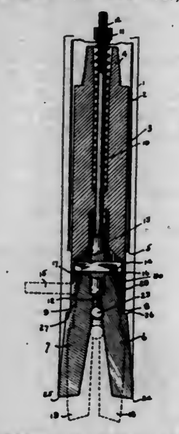
3. The process of making a water-soluble salt of salicylo-salicylic acid, which consists in treating salicylo-salicylic acid dissolved in an inert organic solvent with an alkaline compound, and isolating the salt of salicylo-salicylic acid so formed.

1,483,218. INSULATING BUSHING. ARCHIE P. FAHNESTOCK, Long Island City, N. Y., assignor to Fahnestock Electric Company, a Corporation of West Virginia. Filed Sept. 27, 1919. Serial No. 326,815. 13 Claims. (Cl. 16—2.)



1. In a device of the class described, a bushing composed of insulating material and adapted to be inserted into an aperture, a shoulder for limiting the depth of insertion of said bushing within said aperture and adapted to abut on the end face thereof, a second shoulder on said bushing, and resilient locking means cooperating with said second shoulder for maintaining said first shoulder in abutting contact with the end face of said aperture.

1,483,219. UNDERREAMER. PROSPER J. FORREST, Alameda, Calif., assignor of one-half to Nettie Forrest, San Francisco, Calif. Filed Jan. 24, 1922. Serial No. 531,401. 4 Claims. (Cl. 255—75.)

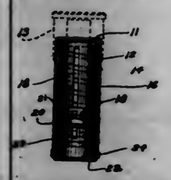


1. In an underreamer, a reamer head and a plurality of cutting blades joined in pivotal relation intermediate their ends, each blade having a lower cutting end and an upper end adapted to sheath in a recess in the head to hold the cutting ends expanded in their cutting position, a rod passing through the head and having a ball shaped end over which the said blades are adapted to pivot, a spring associated with said rod whereby the blades are normally retracted with their upper ends within said recess, shoulders on the blades adapted to contact with a well casing when the head is drawn upward thereby actuating the rod and spring to release the upper ends of the blades from the recess when the said cutting ends collapse inwards as the blades pivot over the said rod end, and a key which is passed through the blades and the rod, and engaging within the head.

1,483,220. CONTAINER FOR TOILET PREPARATIONS. THEODORE W. FOSTER, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed May 24, 1922. Serial No. 563,417. 2 Claims. (Cl. 206—56.)

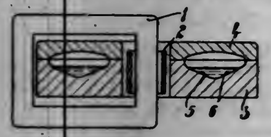
1. A holder for toilet preparations comprising a tubular outer shell and a closure member therefor, an in-

termediate threaded tube non-rotatably mounted within said shell, a tube rotatably mounted with said threaded tube and provided with a longitudinal slot, a preparation carrying socket adjustably mounted in said slotted



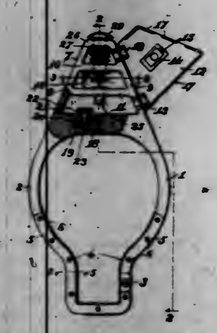
tube and having an integral projection extending through said slot and engaging the threads in said intermediate tube, and means for rotating said slotted tube relative to said threaded tube whereby said socket is moved axially of said shell.

1,483,221. ELECTRIC INDUCTION FURNACE. OTTO FRICK, Herserud, Sweden. Filed Jan. 16, 1922. Serial No. 529,734. 4 Claims. (Cl. 204—64.)



1. Electric induction furnace, comprising a ring-shaped hearth having a melting channel the inner side wall of which has a less inclination to the horisontal plane than the angle of repose of the repairing material so that such repairing material can be applied and sintered on corroded parts of said wall during operation of the furnace.

1,483,222. AUTOMOBILE ANTITHEFT DEVICE. JOSEPH WALTER GALLOWAY, Wilmington, Del. Filed Aug. 20, 1920. Serial No. 404,835. 5 Claims. (Cl. 116—33.)



4. A device as set forth in claim 1 in which the said housing comprises a pyramidal member open upon one side, a closure for said open side, means within said housing for supporting a detonating charge and a plunger extending inwardly from the end of said housing and adapted when driven inwardly to detonate said charge, substantially as described.

1,483,223. MANUFACTURE OF BUTTONS, BADGES, OR THE LIKE. CHARLES F. GAUNT, Birmingham, England. Filed Sept. 25, 1922. Serial No. 590,549. 3 Claims. (Cl. 76—5.)

1. The method of manufacturing buttons consisting in forming a sheet metal disc with a plurality of spaced radial projections on its periphery mounting the disc upon a stiffening member of dome form and making it conform thereto mounting a piece of fabric upon the

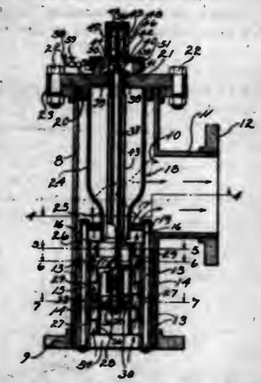


disc, turning the projections up and back upon the fabric and folding the edge thus formed and which protrudes beyond the stiffener beneath the latter.

1,483,224. PUTTY POWDER. CHARLES A. HAMEL, Swanton, Vt. Filed Apr. 16, 1923. Serial No. 632,588. 2 Claims. (Cl. 51—280.)

2. A putty powder for marble polishing comprising a mixture of French chalk, oxalic acid, tin oxide, pulverised stone, and chrome oxide, in about the proportions of French chalk 4½ lbs., oxalic acid 1 lb., tin oxide 1 lb., pulverized stone 4 lbs., and chrome oxide 1½ lbs.

1,483,225. LIQUID METER. HARRY RICE HAMMETT, Bakersfield, Calif. Filed Apr. 29, 1922. Serial No. 557,277. 7 Claims. (Cl. 73—37.)



3. In a meter, the combination of a casing having an inlet and an outlet, upper and lower bearings connected with the casing, a shaft mounted in said bearings, propeller means in the casing associated with the shaft, means to form a gas pocket around the lower bearing, means enclosing the upper bearing and including a case having an opening, a glass closing the opening, registering mechanism in the case operated by the shaft, and means affording communication between the gas pocket and the upper bearing whereby any gas leaking through the upper bearing will be retained by the case.

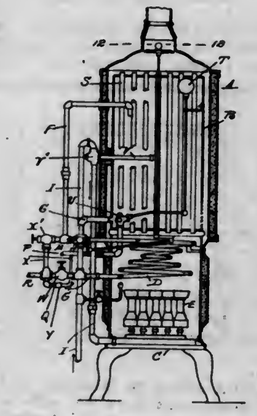
1,483,226. BATHING CAP WITH GOGGLES. ALPHONZO GLENDON JOHNSON, Cardenas, N. C. Filed Nov. 19, 1923. Serial No. 675,763. 4 Claims. (Cl. 2—106.)



1. A waterproof bathing cap, comprising nose and ear covering and transparent eye covering portions, said cap terminating at its lower edge in a face encircling water

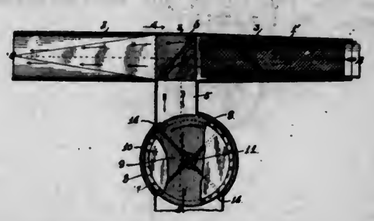
seal portion for preventing entrance of water into said nose, ear and eye covering portions, said lower edge terminating above the mouth of the wearer when the cap is in a worn position.

1,483,227. COMBINED WATER HEATER AND STEAM GENERATOR. AUGUST H. KOHLMEYER, Detroit, Mich. Filed Sept. 7, 1917, Serial No. 190,256. Renewed June 25, 1923. 22 Claims. (Cl. 122—4.)



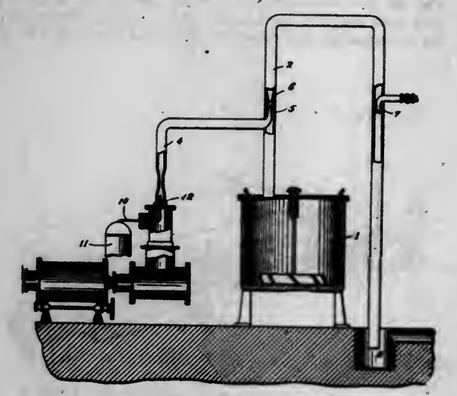
4. The combination with a coil alternatively used to heat water and generate steam, of pipes for respectively drawing off steam and water from said coil, means for supplying water to said coil, and a common means for varying the supply of water to the coil and for varying its outlet connection according as the coil is used as a water heater or a steam generator.

1,483,228. DUST SEPARATOR. JAMES A. MCCULLOUGH, Fresno, Calif. Filed Jan. 16, 1923. Serial No. 612,901. 2 Claims. (Cl. 130—17.)



1. A dust-separator comprising a conduit having an inlet section to which the material is supplied, a discharge section for the separated dust, and an enlarged section between said inlet and discharge sections; means for establishing an air-current through said conduit to carry the material forward; a screen traversing the conduit in its enlarged section to intercept and divert the material while permitting the air and dust to pass; a screen-walled nozzle fitted to the end of the inlet section and lying within and spaced from the enlarged section with its delivery end spaced from and registering with the middle area of the intercepting screen; and a trap communicating with the enlarged section of the conduit below the screen to receive and discharge the cleaned material.

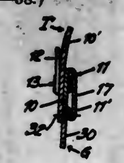
1,483,229. DEODORIZING APPARATUS. ANGUS MACLACHLAN, Perth Amboy, N. J., assignor to Maclachlan Reduction Process Co., Inc., New York, N. Y., a Corporation of Delaware. Filed July 28, 1920. Serial No. 399,589. 6 Claims. (Cl. 167—3.)



2. The method of deodorizing gases resulting from the treatment of waste organic substances, which consists in introducing SO_2 and steam into the conduit along which said gases pass and subsequently cooling the mixture.

6. In an apparatus of the character described, the combination with a tank in which waste organic substances are treated, a stack leading from said tank through which the gases resulting from the treatment of the substances pass, said stack having a restricted portion therein, means for introducing SO_2 into said stack adjacent said restricted portion, and means for spraying the gases in the stack subsequent to the treatment thereof with SO_2.

1,483,230. FASTENER TAPE. DAVIS MARINSKY, New York, N. Y. Filed Mar. 29, 1923. Serial No. 628,544. 7 Claims. (Cl. 2—58.)

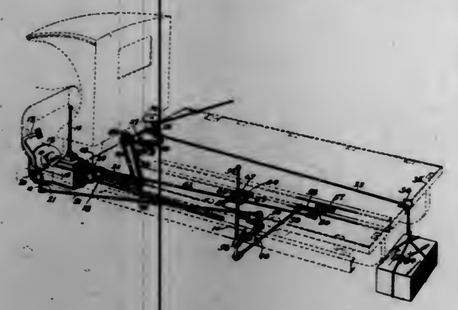


6. Fastener tape comprising a supporting tape a series of fasteners carried by said supporting tape on one side thereof, means for attaching said fasteners to said supporting tape, and an auxiliary tape attached by said attaching means along a portion of the width thereof to the remaining side of said supporting tape and having a portion at least of the remaining width thereof folded over so as to cover said attaching means to thus form a garment-fabric-receiving pocket open in a direction from said attaching means opposite to the direction in which said fasteners extend.

1,483,231. POWER TAKE-OFF-CONTROLLING MECHANISM FOR AUTOMOBILES. ALBERT A. MAYNARD, Buffalo, N. Y., assignor to Stewart Motor Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 18, 1922. Serial No. 560,690. 3 Claims. (Cl. 74—7.)

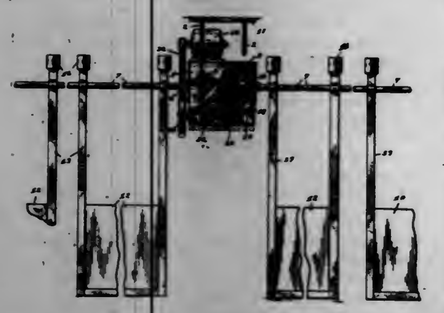
1. An automobile comprising a clutch adapted to connect and disconnect the motor with the propelling gearing and having a clutch operating rock shaft, and a foot lever mounted on said rock shaft, a power take-off having a driven shaft and a coupling mechanism for connecting

and disconnecting said driven shaft and propelling gearing, a controlling rock shaft operatively connected with said clutch operating shaft, a hand lever mounted on said controlling rock shaft so as to be compelled to turn therewith and also capable of swinging in a plane lengthwise of the controlling shaft and operatively connected with said coupling mechanism, and a locking device having a releasing slot in which the hand lever is free to



move in a plane parallel with the axis of the controlling shaft for shifting said coupling from one position to another and a plurality of locking slots which extend at right angles from said releasing slot and into one or another of which said hand lever is adapted to be moved in a plane at right angles to the axis of said controlling shaft and to be held therein against movement parallel with the axis of said controlling shaft.

1,483,232. VENTILATING DEVICE. WALTER MILLER-PEACOCK, San Francisco, Calif. Filed July 24, 1922. Serial No. 577,222. 8 Claims. (Cl. 230—1.)

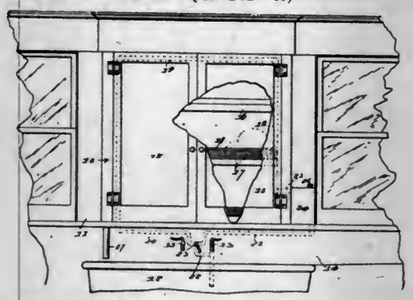


6. A ventilating device comprising a shaft; a pair of gears mounted in spaced relation upon said shaft; a pair of racks slidably mounted in meshing relation with the gears; a rotatable member mounted adjacent the racks; a power driven worm mounted adjacent the rotatable member and operatively connected therto for rotating the same; a pair of parallel connecting members secured between the racks; a roller mounted adjacent the periphery of the rotatable member in engagement with the parallel connecting members for reciprocating the racks with a harmonic movement to impart an oscillating movement to the gears and shaft; punkas connected to the shaft to be oscillated thereby; a housing mounted over the shaft to enclose the shaft actuating members; bearing plates secured upon the ends of the housing to receive the shaft; and means for adjustably supporting the housing.

1,483,233. PROCESS OF PREPARING TRIPHENYLMETHANE DYES. JOSEPH R. MINEVITCH, New York, N. Y., assignor to Dicks, David & Heller Co., New York, N. Y., a Corporation of Delaware. Filed June 30, 1920. Serial No. 392,992. 8 Claims. (Cl. 134—68.)

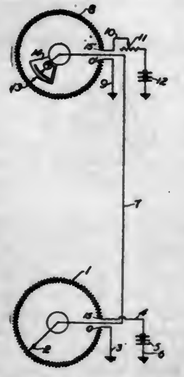
2. The method of preparing organic dyestuffs of the triphenylmethane series which comprises dissolving the leuco base of the dyestuff in acetic acid of more than about 75 per cent strength and oxidizing said base with lead peroxide in the absence of mineral acid.

1,483,234. DISHWASHING CABINET. WILSON M. MOORE, Ontario, Calif. Filed June 21, 1922. Serial No. 569,792. 1 Claim. (Cl. 141—9.)



A dish washing apparatus consisting of a cabinet of water tight construction provided with a drain and containing dish trays, a spray pipe located within the cabinet and extending over said trays for discharging water upon the contents of the latter, a valved supply pipe having arms respectively in communication with opposite ends of the spray pipe and adapted for alternate use in supplying water thereto, and a soap box arranged in intercepting relation with one of the said supply arms whereby the water in passing from said arm to the spray pipe passes through the soap box.

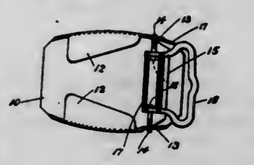
1,483,235. SYSTEM FOR TRANSMITTING SETTINGS. ROBERT V. MORSE, Ithaca, N. Y., assignor to Morse Instrument Company, Inc., Ithaca, N. Y., a Corporation of New York. Filed July 26, 1919. Serial No. 313,506. 3 Claims. (Cl. 177—351.)



2. In an indicating system, the combination of a pivot, a carriage mounted to rotate about the pivot, a support, means for locking the support to the pivot in various positions, a contact, a resistance arranged on the support so that the contact may make electrical connection with it at various points as the carriage is rotated, a transmission

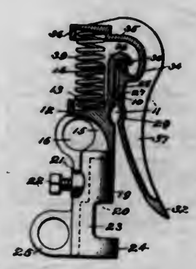
line, a conducting member connected to the line and extending thru the pivot but insulated from the pivot, an indicating instrument susceptible to differences in potential, an electrical connection between the conducting member and the indicating instrument, an electrical connection between the indicating instrument and the contact, means for applying a potential difference to the terminals of the resistance, a variable resistance in series with the first mentioned resistance whereby the applied potential may be precisely regulated, and a sending instrument connected to the transmission line.

1,483,236. BELT BUCKLE. WILLIAM J. MORSE, Attleboro, Mass. Filed Aug. 24, 1923. Serial No. 659,090. 5 Claims. (Cl. 24—191.)



1. A buckle comprising a body portion, a clamping member pivotally mounted in said body to engage and bind a belt therein, a bail member pivotally connected to said clamping member, and means between the pivoted ends of said bail member for preventing said pivoted ends from being inadvertently disconnected from its pivots.

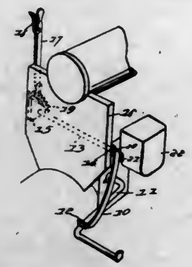
1,483,237. LINE TAPPER. ALBION MOULTON, Philadelphia, Pa., assignor to The Allen Iron & Steel Company, Philadelphia, Pa. Filed Feb. 12, 1921. Serial No. 444,372. 6 Claims. (Cl. 173—273.)



1. In a spring clamp for electrical conductors, a fixed jaw having a rearwardly extending downwardly opening hook at its upper end, a spring seat extending forwardly from the fixed jaw, a movable jaw having its upper end engaged in said hook and provided with an upward and forward extension carrying a spring seat alined above the fixed jaw spring seat, and a compression spring having its ends engaging said spring seats.

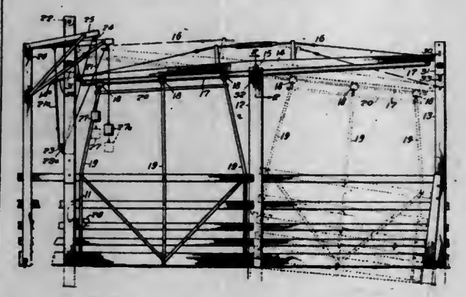
1,483,238. TRACTOR ATTACHMENT. MAGNUS E. NESS, Stevinson, Calif. Filed Feb. 18, 1922. Serial No. 537,455. 1 Claim. (Cl. 74—81.)

The combination with a tractor having a clutch pedal and a dash, of a transverse shaft, bearing brackets mounted on the forward wall of the dash and supporting said shaft for rocking movement, a holding arm carried by the shaft at one extremity and provided with a terminal shoe for engagement with the clutch pedal arm to hold the same depressed, a lever mounted at the opposite extremity



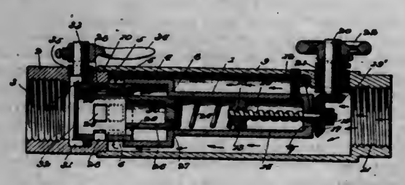
of the shaft and provided with a latch, and a segment carried by one of the bearing brackets and adapted for engagement by said latch.

1,483,239. GATE AND THE LIKE. WILLIAM W. NORMAN, Hiram, Ark. Filed Jan. 12, 1923. Serial No. 612,217. 2 Claims. (Cl. 39—67.)



1. The combination of a gate, a vertically tilting support for the gate upon which the gate is movable by gravity between positions across the roadway and to one side thereof, means to tilt said support to an angle which will cause the gate to move from one of said positions to the other wholly by gravity, and a vertical pivot at the side of the roadway for said support about which it may turn to clear the roadway, said support in the normal operation extending completely across the roadway.

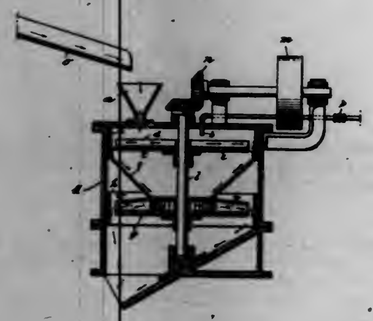
1,483,240. PRESSURE-REGULATING VALVE. CHARLES J. OLSON, Muskegon, Mich., assignor to The Olson Pneumatic Saw and Valve Company, Indianapolis, Ind. Filed July 19, 1920. Serial No. 397,204. 7 Claims. (Cl. 50—10.)



1. A device for the purpose set forth comprising a cylinder, a cut-off mounted axially within the cylinder and actuated directly by back pressure from a motor to open and close under variations in said back pressure,

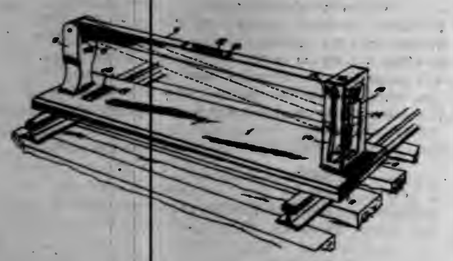
means within the cylinder acting on one end of the cut-off for adjustably setting the cut-off to a normal load, and a counterbalance acting on the opposite end of the cut-off in opposition to the back pressure.

1,483,241. METHOD AND APPARATUS FOR GRANULATING LIQUID SLAG. EMIL OPDERBECK, Gelsenkirchen, Germany. Filed Nov. 24, 1922. Serial No. 602,997. 5 Claims. (Cl. 83—91.)



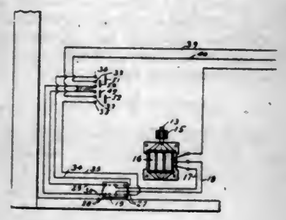
1. Method for granulating liquid slag, consisting in feeding the liquid slag onto a centrifugally operating expelling element, capable of impelling the slag against an abutment, and in supplying water onto said element in quantities limited by the amount which the heat supplied by the slag is capable of converting into steam, to cause the granulation of the slag into dry slag sand.

1,483,242. LEVEL. JESSE C. PEARCE, Sullivan, Ill., assignor of one-half to Henry A. Frederick, Kirksville, Ill. Filed Apr. 10, 1923. Serial No. 631,136. 1 Claim. (Cl. 33—213.)



A level comprising a base, posts rising from the base at the ends thereof, one of said posts being provided with a vertical slot opening through its front and rear faces and having arcuate slots in its side walls and provided upon its front face with graduations, a level indicator arranged transversely in the base adjacent the opposite post, a beam pivoted at one end in the upper end of the last-mentioned post and having its opposite end adapted to play in the vertical slot of the post having graduations and having its end arranged to co-operate with said graduations, a securing bolt carried by the last mentioned end of the beam and adapted to play in the arcuate slots of said post, means carried by said bolt for securing the end of the beam at any desired position of the beam relative to the post, and a level indicator fitted in the upper side of the said beam at the center of the same.

1,483,243. AUTOMATIC MINE-SHAFT GATE. ROBERT QUIGLEY and JAMES CUNNINGHAM, Portage, Pa. Filed Aug. 21, 1922. Serial No. 583,294. 5 Claims. (Cl. 187—54.)



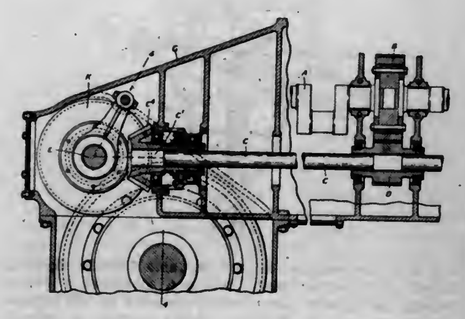
3. An automatic gate operating mechanism for mine shafts comprising a motor for moving said gate; a reversing switch controlled by the cage in said shaft for controlling the direction of rotation of said motor; and a two way switch controlled by said gate interposed between said reversing switch and motor, adapted to alternately break the circuit from said reversing switch for operating said motor in one direction, and to make the circuit from said reversing switch preparatory to operating said motor in the other direction.

1,483,244. MACHINE FOR TREATING TOBACCO STEMS. LAURITS T. RASMUSSEN, Council Bluffs, Iowa, assignor of one-half to Niels K. Skriver, Omaha, Nebr. Filed Mar. 20, 1922. Serial No. 545,266. 4 Claims. (Cl. 131—58.)

4. In a tobacco-stem treating machine, a pair of revoluble cylinders each being provided with a circular channel having projections therein, a pair of revoluble rollers provided with engaging, rugose collars each being disposed at the side of a cylinder with its collar disposed in the channel of a cylinder, and means for moving the cylinders to permit the collars of the rollers to engage the projections in the channels of the cylinders.

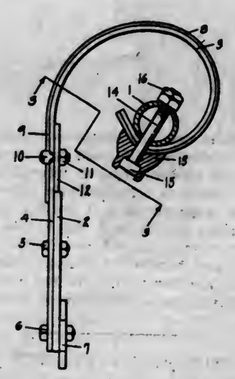
1,483,245. POWER-TRANSMITTING MECHANISM. HARRY RALPH RICARDO, London, England. Filed June 30, 1922. Serial No. 572,007. 1 Claim. (Cl. 74—71.)

In mechanism of the class described, the combination with the crank shaft of a multicylinder reciprocating engine, of means for transmitting power without torque irregularities from this crank shaft to a member to be driven, said means including a transmission shaft arranged in substantial parallelism with the crank shaft and floatingly mounted so as to transmit torque only,



gearing connecting this transmission shaft with the crank shaft at a point intermediate in the length of the cranked portion, said transmission shaft being of resilient material to damp out torsional vibrations.

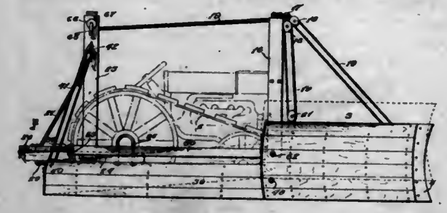
1,483,246. SPRING-SCRAPER CONSTRUCTION. FRED N. ROOT, Kalamazoo, Mich. Filed May 16, 1922 Serial No. 561,548. 4 Claims. (Cl. 37—143.)



1. The combination of a rocker shaft, a series of blade springs with flat straight end portion, with curved engaging portions suitably notched and clipped to the said rocker shaft by cross clip bar secured by cross bolts, the said springs being conformed and clamped together by U-bolts, and a scraper blade structure secured to the straight portion thereof, all coacting substantially as described for the purpose specified.

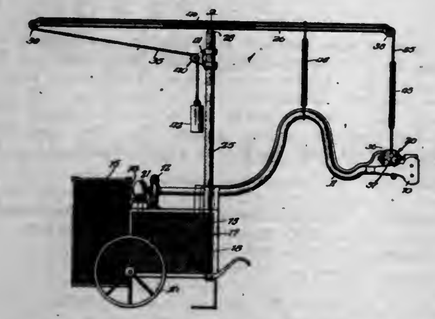
1,483,247. SNOWPLOW. WILLIAM J. ROWE, Portland Me., assignor to Westbrook Garage & Machine Company. Filed Apr. 21, 1923. Serial No. 633,685. 9 Claims. (Cl. 37—44.)

1. A snow plow comprising a push element, means for securing the push element upon the front end of a power unit, a cross bar secured to the push element, a rigid point, coupling pins carried by the point and engaged with the ends of the cross bar and the front end



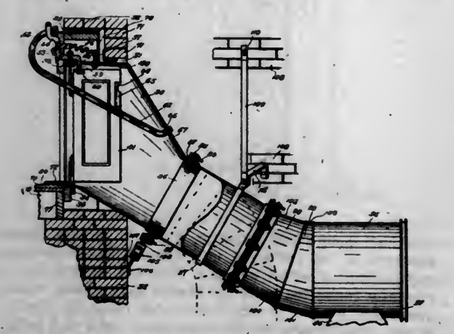
of the push element for vertical movement relative thereto, and means for raising and lowering the point bodily.

1,483,248. COTTON PICKER. LOUIS CARROLL STUKENBORG, Chicago, Ill., assignor to Frederick W. Stukenborg, Chicago, Ill. Filed Apr. 14, 1919. Serial No. 290,032. 25 Claims. (Cl. 56—32.)



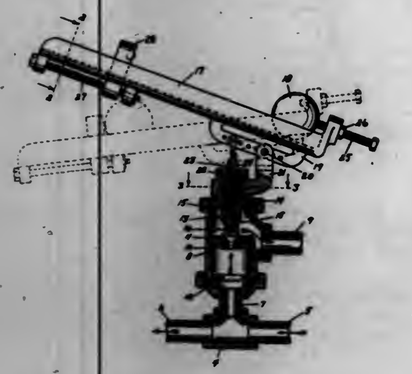
1. A cotton picker comprising interacting picker brushes and a rotative, self-clearing take-off device in contact with, and having its axis parallel to the axes of said brushes.

1,483,249. TUBULAR FIRE ESCAPE. ARTHUR H. STURGES, Omaha, Nebr. Filed Oct. 15, 1923. Serial No. 668,703. 6 Claims. (Cl. 227—7.)



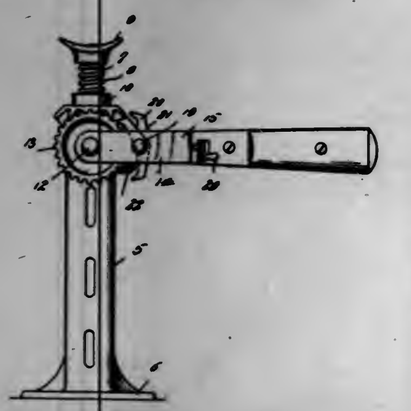
1. In a fire escape, a body portion adapted to be mounted at an opening in a building, a pair of doors hinged at opposite sides of the opening and arranged to swing into the body portion of the fire escape, and a bar disposed substantially in alinement with the entrance to the fire escape and projecting through said doors, said bar being supported at one end above the doors and at its other end having connection with said body portion beyond the doors.

1,483,250. VALVE. ROBERT E. STURMAN, Minneapolis Minn. Filed Dec. 4, 1922. Serial No. 604,722. Claims. (Cl. 251—148.)



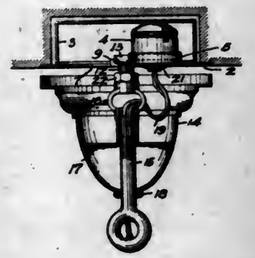
1. In a valve having a cylindrical port, a plunger or core slidably mounted in alignment with said port so as to engage therein during part of its movement, means for yieldingly keeping said core in engagement with the port, and automatic means for materially reducing the closing pressure on said plunger when the same has been removed from engagement with said port.

1,483,251. VEHICLE JACK. ANGUS A. SWAIM, Sunset, Tex. Filed Feb. 28, 1923. Serial No. 621,942. 1 Claim. (Cl. 254—103.)



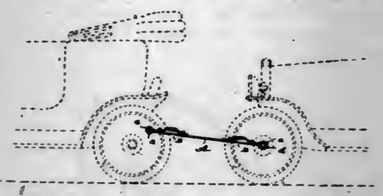
A jack comprising a casing, a screw plunger movably mounted in the casing, a nut mounted upon the casing and having a thread engaged with the plunger, a yoke pivotally connected with the casing, gear wheels mounted upon the pivots of the yoke and engaging the nut double ended dogs pivotally mounted upon the arms o the yoke, other dogs slidably mounted upon the arms of the yoke and engageable with the first mentioned dogs at points opposite the pivots upon which the first mentioned dogs are mounted, the second mentioned dogs having beveled edges which are reversely disposed, cranks connected with the second mentioned dogs and a rod pivotally connected with the said cranks and holding the beveled surfaces of the second mentioned dogs in reverse position with relation to each other.

1,483,252. DETACHABLE ELECTRIC FIXTURE. WHITMAN SYMMES, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Nov. 8, 1921. Serial No. 513,661. 4 Claims. (Cl. 240—85.)



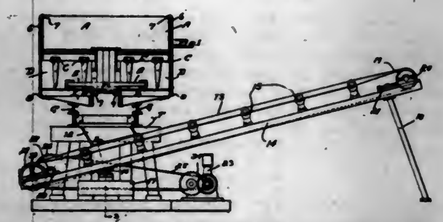
1. The combination in a removable electric lighting fixture of a ceiling plate having a slot and a recess therein, an electric outlet fitting disposed at the bottom of said recess, an electric lighting fixture, a headed stem on said fixture adapted to engage in said slot and an electric plug fitting attached to the fixture and adapted to seat in said recess and engage in said outlet fitting.

1,483,253. TOWING OR PULLING DEVICE. JOHN HOWARD TABLER, Washington, D. C. Filed June 6, 1922. Serial No. 566,261. 4 Claims. (Cl. 280—33.14.)



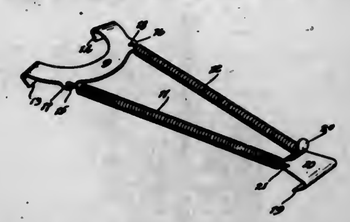
1. A pulling device comprising a flexible strap in connection with buckles each formed in a single piece having side pieces, end cross-pieces and intermediate cross-bars, one of said cross-bars being slightly raised with respect to the other, whereby an end portion of the strap is threaded through and beyond the buckle formed into a loop and the terminal again threaded in reverse direction through said buckle for binding engagement therewith and with another portion of the strap therein, providing engaging loops at the ends of the strap.

1,483,254. UNLOADING APPARATUS. DAVID TERRY, Sacramento, Calif. Filed May 9, 1922. Serial No. 559,503. 6 Claims. (Cl. 214—45.)



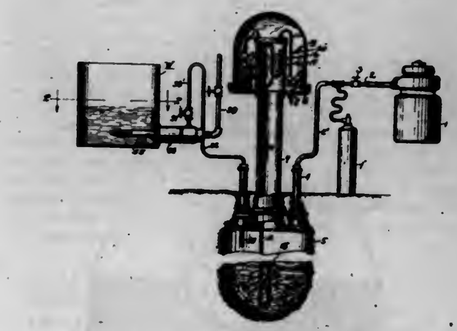
1. In combination with a bottom dump car, a chute having an inclined bottom and adapted to lie transversely under the car with one end near the side thereof, a hook rod adapted for hooking to the edge of the car and connected to the end of the chute.

1,483,255. LID HOLDER. FRANK TONGE, Moose Jaw, Saskatchewan, Canada. Filed May 1, 1923. Serial No. 635,914. 2 Claims. (Cl. 53—8.)



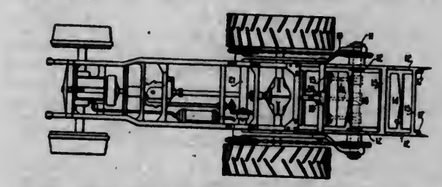
1. A pot holder comprising a substantially U-shaped flat metallic clip having the ends thereof terminating in downturned hook like catches and provided at opposite sides of the body part thereof with eyes, a further clip formed from a flat metallic plate having one end downturned to provide a hook like catch and the other end upturned to provide a finger grip and fitted at the sides adjoining the grip with eyes and diverging coil springs connecting the latter clip with the former, the springs being attached at the eyes.

1,483,256. METHOD OF AND MEANS FOR CHLORINATING FLUIDS. JAMES W. VAN METER, San Francisco, Calif., assignor to Justinian Caire Company, a Corporation of California. Filed Jan. 20, 1922. Serial No. 530,637. 18 Claims. (Cl. 23—3.)



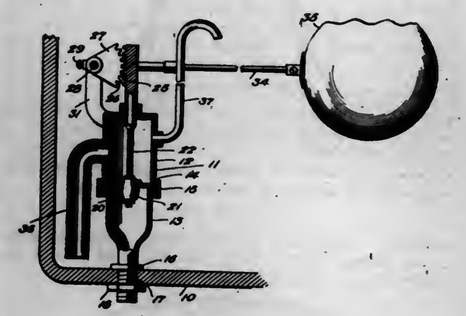
1. In a method of introducing chlorine into a fluid the step of introducing chlorine into the fluid in the form of a fluid mixture and subjecting the mixture to the action of centrifugal force.

1,483,257. DITCHING MACHINE. EUGEN LUDWIG VON BALLUSECK, Godesberg-on-the-Rhine, Germany. Filed Aug. 21, 1922. Serial No. 583,270. 3 Claims. (Cl. 37—94.)



1. A ditching machine including a rotatable shaft, a ditching wheel thereon embodying a plurality of movable ditching cutters adapted to be adjusted concentrically with the shaft after the ditching action and a remover arranged entirely within the ditching wheel and against the trajectory plane of the inner surfaces of the ditching cutters in such manner and having such shape as to remove that portion of the elevated soil which adheres to the ditching cutters without interfering with the velocity of the soil as it is thrown beyond the ditch.

1,483,258. VALVE. EDWARD J. WILLMAN, Sr., Louisville, Ky. Filed Feb. 14, 1921. Serial No. 444,789. 2 Claims. (Cl. 137—104.)



2. A valve comprising upper and lower casing sections detachably held together and divided by a transversely extending partition wall integral with the lower end of the upper section, said wall being formed with a central aperture surrounded by a downwardly facing valve seat, a valve engaging said seat and provided with a stem projecting upwardly through the top wall of the upper casing section, a rack carried by the projecting portion of the stem, a pair of offset brackets carried by the upper casing section, a rotatable shaft journaled in said brackets, a gear segment fixed to the shaft between the brackets for engaging said rack, an arm fixed to one end of the shaft and a float carried by the said arm.

1,483,259. TRANSMISSION BAND. WILLIAM HOWARD WYLAND, Sidney, Ohio. Filed Aug. 21, 1922. Serial No. 583,349. 9 Claims. (Cl. 188—259.)

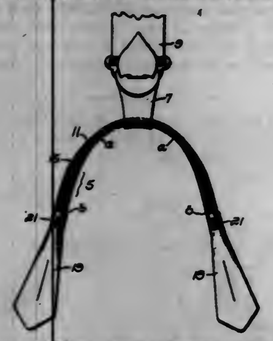


7. As a new article of manufacture, a transmission band lining of a width equal in width to the combined widths of the drums of a transmission, and equipped lengthwise of its upper edge with means to be engaged by the compressing lugs, said means being movable when engaged by said lugs, said movement causing separation of the lining joint and consequent slight movement of the lining when contracted, and inter-engagement of the joint upon retraction of the elements.

1,483,260. GARMENT SUPPORTER. ALFRED M. ZIEGLER, Newton, Mass. Filed Dec. 14, 1921. Serial No. 522,258. 8 Claims. (Cl. 241—27.)

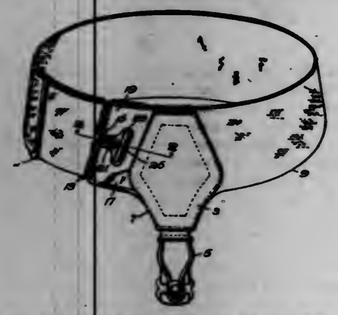
1. In an article of the class described an element of flat flexible strip, a rubber spring and a braided covering

encircling the spring, said element being secured to the covering and suspended in strain-transmitting relation



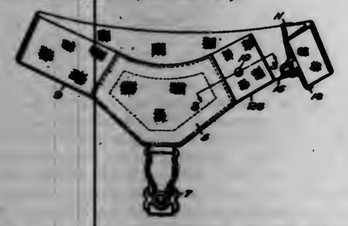
therefrom by stitching passing through the covering at separated points around the end of the spring.

1,483,261. GARMENT SUPPORTER. ALFRED M. ZIEGLER, Newton, Mass. Filed Jan. 14, 1922. Serial No. 529,376. 4 Claims. (Cl. 241—6.)



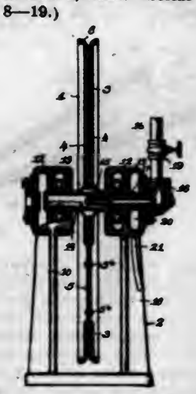
1. A garter comprising a pad, an elastic band secured to one side of the pad and carrying an element of a separable fastener, a doubled loop of similar material, a piece of inextensible material within the loop, said piece and the ends of the loop being secured to the other side of the pad and a cooperating fastener element having an engaging portion presented at the face of the loop within the margins thereof and secured to said piece.

1,483,262. GARMENT SUPPORTER. ALFRED M. ZIEGLER, Newton, Mass. Filed Mar. 8, 1922. Serial No. 542,011. 4 Claims. (Cl. 241—6.)



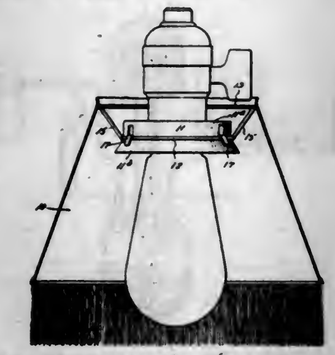
1. In a garter, a joining element, a textile web extending therefrom, a loop of textile material matching said web extending therefrom in the opposite direction, a fastener received in said loop and having a base received within the margins thereof and covered thereby and a stud-projecting therethrough, and means within the loop for securing the fastener in strain transmitting relation to said joining element.

1,483,263. DYEING MACHINE. EDWARD ALLEN, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,186. 7 Claims. (Cl. 8—19.)



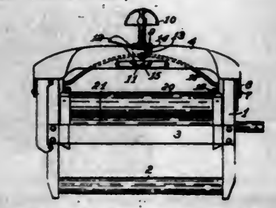
1. In a dyeing machine, the combination of a wheel provided with spaces extending radially from its axis and around its periphery, means for supplying dye to said space adjacent said axis, and a layer of absorbent material in said space.

1,483,264. SHADE HOLDER. LAURITZ W. ANDERSEN, Waterbury, Conn. Filed Feb. 6, 1922. Serial No. 534,458. 5 Claims. (Cl. 240—128.)



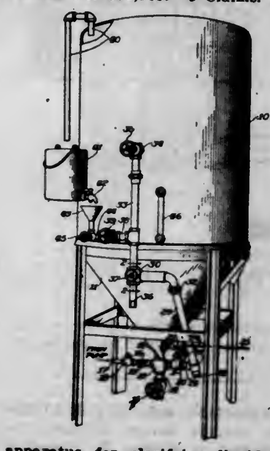
1. A device of the kind described comprising a resilient collar, a band surrounding said collar and arms connecting said collar and band, said band having tongues punched therefrom.

1,483,265. WRINGER. OSCAR T. ANDERSON, Waterloo, Iowa, assignor to Chamberlain Machine Works, Waterloo, Iowa. Filed Dec. 13, 1921. Serial No. 522,040. 3 Claims. (Cl. 68—32.)



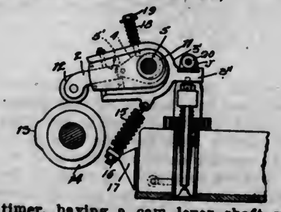
1. The combination with spaced frame-uprights of a wringer, of parts hinged to the uprights to swing to and from each other laterally, coacting rollers, resilient means bearing upon said rollers, adjustable means mounted on one of said parts to releasably tension said resilient means, and means for releasably locking said parts when closed together.

1,483,266. APPARATUS FOR CLARIFYING LIQUIDS. LOUIS J. ARCHAMBAULT, Chicago, Ill. Filed Dec. 4, 1922. Serial No. 604,960. 6 Claims. (Cl. 210—58.)



1. An apparatus for clarifying liquids embodying a container having a conical bottom provided with an outlet at the lowest point of said bottom, a discharge conduit connected with said outlet, a valve for controlling the outlet, means for supplying to the tank a clarifying solution, a draw off pipe for the tank having a plurality of communications with the tank at different levels, valves individual to such communications for controlling them, a discharge pipe communicating with the said draw off pipe at a point spaced from the delivery end of the said draw off pipe, a three way valve at the junction of the discharge and draw off pipes, means establishing direct communication between the first recited outlet and the said discharge pipe, and means for controlling the last recited means.

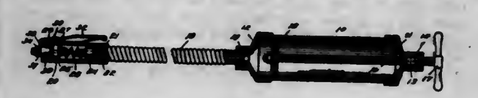
1,483,267. CAM-LEVER TIMING BLOCK WITH CONNECTIONS. AXEL AUGUST ASPLUND, Auburn, N. Y. Filed Feb. 17, 1920, Serial No. 359,410. Renewed July 21, 1923. 9 Claims. (Cl. 123—90.)



1. In a timer, having a cam lever shaft with an eccentric for lifting a cam lever mounted thereon, a timer block slidable in one end of said cam lever, and a link connecting said timer block with the lever shaft to retain the timer block at a constant radial distance therefrom.

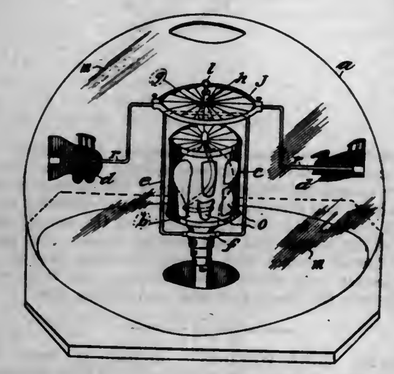
1,483,268. GREASE GUN. JOHN F. BALDAUF, Casper, Wyo. Filed Apr. 10, 1922. Serial No. 551,224. 2 Claims. (Cl. 285—173.)

2. In combination, a tubular body adapted to be connected with a pump cylinder and provided with an enlarged end terminal portion to form a conoidal shaped socket and a shoulder, a spring controlled apertured valve disk seated against said shoulder, a hollow union comprising a conoidal shaped portion seating in said socket and formed with a bore, said union having a spring con-



trolled globular valve arranged in said bore and further provided with a peripheral groove, and means carried by said body and engaging in said groove for connecting the union to said body whereby said valve will normally close the aperture in said disk.

1,483,269. ADVERTISING APPARATUS. WILLIAM GEORGE BARKER and FREDERICK ORLANDO READ, London, England. Filed Jan. 8, 1923. Serial No. 611,501. 5 Claims. (Cl. 40—40.)



1. Advertising apparatus of the kind described comprising a source of light, a colored translucent cylinder rotatable on the axial plane about said light, an air vane pivoted in a cup shaped bearing in the axial plane of said cylinder and having a plurality of horizontal arms with downward offsets, opaque figures secured to said arms, means for causing rotation of said cylinder and figures by the heat from said lamp and a frosted shade enclosing said apparatus.

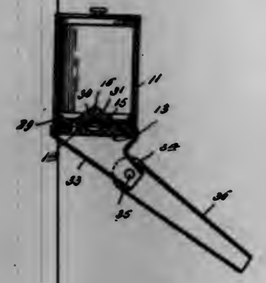
1,483,270. COMBINED SULPHIDATION AND FLOTATION OF ORES, ETC. FRANK E. BARROWS, Upper Montclair, N. J. Filed Jan. 24, 1917, Serial No. 144,116. Renewed May 24, 1923. 6 Claims. (Cl. 83—85.)

1. The method of effecting the flotation of non-sulfide metal values from ores, slimes, and other metal-bearing materials which comprises subjecting such materials containing values in solution to the combined sulfidizing and flotation action of a mixture of hydrogen sulfide and air; substantially as described.

1,483,271. PLANTER ATTACHMENT FOR WALKING CULTIVATORS. JOHN THADDAUS BECK, Embry, Miss. Filed Mar. 7, 1923. Serial No. 623,357. 1 Claim. (Cl. 221—138.)

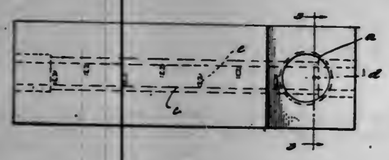
In combination, a hopper having a bottom formed with an upwardly projecting annular rib and formed with an outlet opening extending through said rib, said bottom having a central upwardly projecting stud, a seed feeding plate rotatably mounted on said stud and having bearing contact with the upper edge and extend-

ing beyond the outer edges of said rib, said plate being formed with a plurality of seed receiving openings adapted for successive registering with the seed outlet opening in said bottom, a ring gear removably connected to said seed feeding plate beyond the rib and supported by said plate, means cooperating with said gear for rotating said seed feeding plate, and a seed holder plate mounted for sliding movement in the hopper lengthwise thereof and having bearing contact with the inner side walls



of said hopper and an annular bearing face contacting with the upper face of said seed feeding disc, said plate having an annular recessed part over the annular rib on the bottom, and a centrally and upwardly extending cone shaped portion for directing seeds from the central portion of the hopper into said annular recess, said plate being further formed with a seed delivering opening in the recessed part adapted for delivering seed from said hopper into the opening of said seed feeding disc.

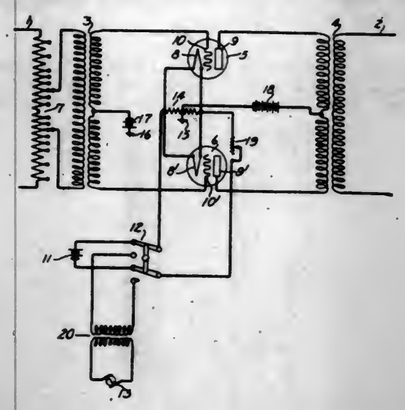
1,483,272. TUBE WELDING. RICHARD O. BERG, Detroit, Mich., assignor to Michigan Steel Tube Products Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 30, 1922. Serial No. 547,975. 5 Claims. (Cl. 158—27.4.)



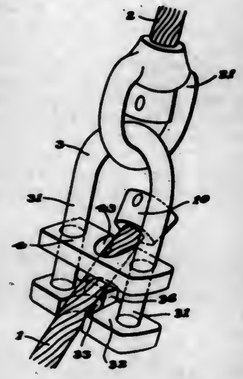
1. A welding tip having a relatively large number of jet passages having the jet passages drilled obliquely to both sides of a plane running longitudinally of the bottom of the tip and perpendicularly thereto, all of said jet passages having discharge openings arranged in line, and coinciding with said longitudinal plane.

1,483,273. CIRCUIT FOR HEATING THE FILAMENTS OF AUDIONS. DAVID G. BLATTNER, Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1920. Serial No. 414,449. 8 Claims. (Cl. 179—171.)

1. In a wave repeating and amplifying system, the combination of electron-discharge devices each having a cathode and an anode connected in opposition, a source of alternating currents for heating said cathodes, and a compensating circuit common to said cathodes, for preventing the alternation in the cathode heating currents from causing current variations in the output circuits of said devices.



1,483,274. CONNECTING MEANS FOR LINES. HENRY A. BOUSCHOR, Victoria, British Columbia, Canada, assignor of one-half to William E. Bouschor, Seattle, Wash. Filed Dec. 29, 1922. Serial No. 609,732. 4 Claims. (Cl. 24—123.)

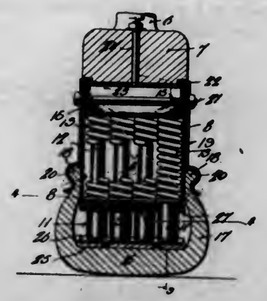


1. A connecting means for lines comprising a link secured to one line and having one end provided with a side-opening notch adapted to receive the other line, and a keeper bar slidable upon the side bars of the link and having a side opening notch complemental to the notch in the link to form therewith an enclosed line-receiving aperture, the line which is to be secured thereby having a terminal knob adapted to be passed between the side bars of the link and between said keeper bar and the notched end of the link.

1,483,275. RESILIENT WHEEL. EDWARD J. BRANDT, Watertown, Wis. Filed Nov. 11, 1916. Serial No. 130,776. Renewed June 30, 1923. 25 Claims. (Cl. 152—8.)

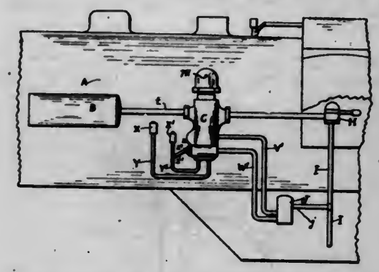
8. A spring wheel including a felly provided with annular recesses in its sides, an annular inner casing portion carried by the felly, spring plungers housed within the casing and projecting from the outer peripheral wall

thereof, a flexible casing disposed about the projecting ends of the plungers with its inner edge portions projecting inwardly of said peripheral wall, annular plates



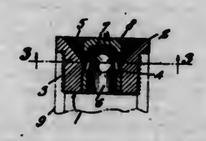
on the side walls of the first named casing portion for securing the flexible casing portion thereto and inturned flanges on said annular plates engageable in the recesses of the felly.

1,483,276. SELECTIVE APPLICATION VALVE FOR AUTOMATIC TRAIN-CONTROL APPARATUS. ANDREW J. BROOKING, Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,436. 10 Claims. (Cl. 303—18.)



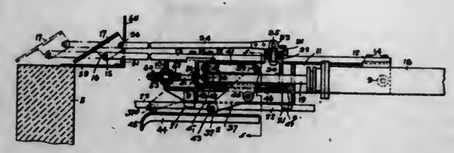
1. A casing provided with a chamber in communication with the air supply of a train, means to direct air under pressure to said chamber, in combination with an additional chamber in said casing, a movably mounted member of two diameters in said first chamber, said part of smaller diameter extending through said first chamber, and a seat in said first chamber arranged to coact with said movable member to cut off communication between said chambers.

1,483,277. SPRINKLER HEAD. STOCKTON BROOME, Jacksonville, Fla. Filed July 12, 1922. Serial No. 574,459. 2 Claims. (Cl. 299—141.)



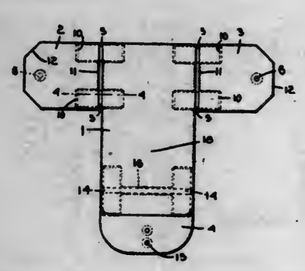
1. A sprinkler head including a body having a bore extending therethrough flared at one end, a plug seated firmly within the bore and having a closed end inclosed within the flared portion of the bore and surrounded by a substantially V-shaped channel, there being a plurality of radial openings within the plug, each opening being partly closed by the wall of the bore and having its remaining portion opening into the said channel thereby to direct a jet segmental in cross section against the wall of the flared portion of the bore and between said wall and the plug.

1,483,278. CHARGING DEVICE. JOHN N. CAREY, Oakmont, Pa. Filed Apr. 13, 1921. Serial No. 460,941. 7 Claims. (Cl. 214—18.)



1. In a charging device, the combination of a carriage, means for advancing and withdrawing the same, a supplemental carriage on said first-named carriage, a forwardly tiltable member, connections between said member and said first-named carriage and between said member and said supplemental carriage, and automatic means for moving said supplemental carriage relatively to said first-named carriage whereby by movement of said supplemental carriage the tiltable member is operated.

1,483,279. BILL FOLDER. CHARLES C. CHENEY, Charlestown, Mass. Filed Apr. 26, 1921. Serial No. 464,593. 1 Claim. (Cl. 150—38.)

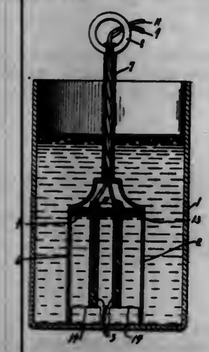


A bill folder comprising a body portion having a length substantially equal to two-thirds the length of paper currency and having two pockets in each edge thereof adjacent one end, two flaps each also having two pockets in one edge, elastic tapes for connecting the flaps and the body, one end of each tape occupying a pocket of a flap and the other end occupying a pocket of the body, said tapes being secured to the flaps and body by stitching located at the inner ends of the pocket, whereby each tape can extend throughout its entire length, means for detachably connecting said flaps when they are folded over onto the body and a flap at the opposite end of the body portion adapted to be folded over onto the folded body and detachably secured thereto.

1,483,280. SELF-CONTROLLING HEATER. FLOYD H. CHERRY, Berkeley, Calif. Filed Jan. 10, 1923. Serial No. 611,890. 3 Claims. (Cl. 219—40.)

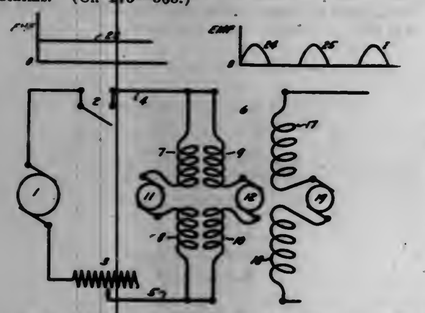
1. A self-controlling electric heater for water or the like, comprising two conductors disposed in spaced relation within the water, means for passing a current from one conductor to the other through the intervening body of water whereby the latter is heated and a hood cover-

ing the conductors adapted to entrap the steam generated by the heated water whereby the water is forced out of the space between the conductors and the flow of



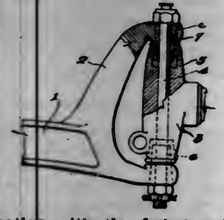
current reduced, said hood being provided with a small vent for allowing air entrapped during the initial operation to escape.

1,483,281. METHOD AND APPARATUS FOR TRANSFORMING DIRECT CURRENT. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-Ray Company, San Francisco, Calif., a Corporation of California. Filed Oct. 16, 1919. Serial No. 331,034. 10 Claims. (Cl. 175—363.)



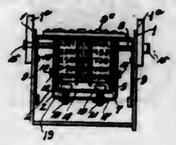
1. In a transformation system a primary winding adapted to energization by a direct current, said winding divided at an intermediate point, and a secondary winding from which an induced current is derived, in combination with a device connected to the termediate terminals of the primary winding adapted to periodically interrupt and complete the circuit of the said primary winding.

1,483,282. BOLT SLEEVE. EDWARD C. COSTON, near Skidmore, Mo. Filed July 22, 1921. Serial No. 486,861. 1 Claim. (Cl. 280—96.1.)



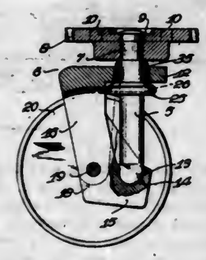
The combination with the forked end of a vehicle front axle, a spindle head, and a spindle bolt, of a substantially frusto-conical bearing bushing embedded in the ends of the spindle and provided with a bore, a portion of which is relatively large and tapered with respect to the spindle bolt, a substantially frusto-conical bearing sleeve extending through the arms of the forked end of the axle and into the tapered portion of the bore of said bearing bushing.

1,483,283. HAND STAMP. WILL T. CRESSLER, Cincinnati, Ohio. Filed Jan. 20, 1922. Serial No. 530,699. 5 Claims. (Cl. 101—105.)



1. In a printing device, a member provided with fixed type characters, a second member associated with the first member and having movable type characters, said second member consisting of a plurality of sections, one of said sections being movable relatively to the other section, and resilient means cooperating with said sections for permitting the movable section to align the movable type characters with the fixed type characters of the first mentioned member.

1,483,284. CASTER. HUGH A. CURRIE, Chicago, Ill. Filed Nov. 18, 1921. Serial No. 516,041. 6 Claims. (Cl. 16—47.)

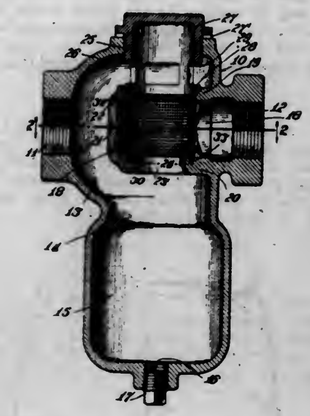


1. In a caster of the class described, a stem, a wheel carrying frame mounted thereupon, a collar removably mounted upon the stem and cooperable with the frame to hold the same against displacement and means engageable with the stem and said collar to hold the collar in place upon the stem.

1,483,285. LIQUID STRAINER. CHARLES J. DE COSTER, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a Corporation of Delaware. Filed May 25, 1921. Serial No. 472,321. 6 Claims. (Cl. 210—165.)

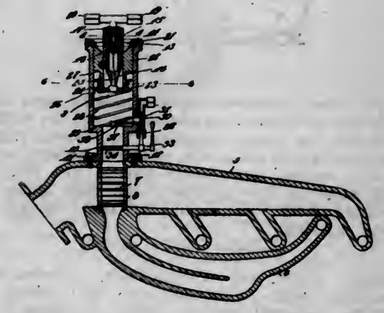
1. A strainer fitting having an inlet chamber, an outlet chamber extending into the inlet chamber and communicating therewith only through aligning openings in the top and bottom walls of the outlet chamber, said walls of the outlet chamber being spaced from the top and bottom walls of the inlet chamber, and the top wall of the inlet chamber having an opening of a size to permit the passage of a screen, a screen-cylinder extending between the top and bottom walls of the outlet chamber, and a plug for said inlet-chamber top-wall open-

ing having a depending open bottomed skirt provided with apertures in the plane of the water flow space above the outlet chamber and arranged to coact, at its bottom



edge, with the screen and the opening through the top wall of the outlet chamber, to hold said screen fixedly in position.

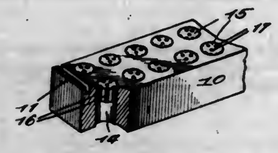
1,483,286. FUEL-MIXING DEVICE. RUAL L. DE LA MATER, San Diego, Calif. Filed May 29, 1922. Serial No. 564,538. 3 Claims. (Cl. 123—25.)



1. A fuel mixing device comprising a housing, a stationary nozzle supported within the upper end of the body portion, a movable valve supporting member operating within the housing, a coiled spring disposed within the housing and contacting with the valve supporting member for normally urging the valve supporting member to the limit of its upward movement, a needle valve carried by the valve supporting member and adapted to restrict the passage of fluid through the nozzle, and means disposed within the path of travel of the fuel passing through the housing for delivering water to the fuel, and means for controlling the passage of fuel through the housing.

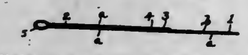
1,483,287. FURNACE AND GRATE THEREFOR. WILLIAM G. DOBBS, Auburn, N. Y. Filed Apr. 16, 1923. Serial No. 632,409. 3 Claims. (Cl. 126—163.)

3. As an article of manufacture, a solid grate bar, rectangular in cross section having flat sides and flat upper and lower faces, the grate bar being formed with a plurality of apertures extending entirely through the grate bar and from the upper to the lower face thereof, each aperture being downwardly tapered, downwardly tapering plugs disposed in said apertures and fitting closely against the walls thereof, each plug having pe-



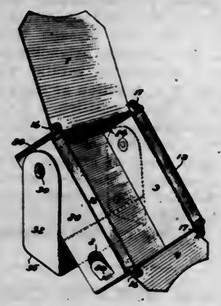
ripheral, longitudinally extending grooves, and a plurality of openings extending entirely through the plug from end to end.

1,483,288. GRAVE LINING. JAMES M. DODDRIDGE, Milton, Ind., assignor to J. M. Doddridge & Sons, Milton, Ind., a Corporation of Indiana. Filed May 13, 1922. Serial No. 560,723. 1 Claim. (Cl. 27—29.)



A grave lining formed of oil-cloth and comprising in combination, a skirt portion 1, a head portion 2 with its back to the back of the skirt portion, a loop portion 5, two rows of stitching connecting the skirt portion and the head portion, the major portion of the head being then turned to bring said loop on the other side of the skirt, a hem portion 7 located on the rear, and a plurality of eyelets securing said hem, the front of the head portion, and the two thicknesses of material therebetween, and means for suspending said lining in a grave by the insertion of spikes through said eyelets, all substantially as set forth.

1,483,289. DISPLAY CARTON. WILLIAM M. DOERING and CHARLES J. DOERING, Cincinnati, Ohio. Filed June 8, 1922. Serial No. 566,846. 9 Claims. (Cl. 206—44.)

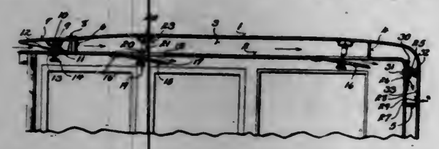


1. The combination with a carton formed by folding, to provide a bottom, sides and two overlappable covers, a collapsible band attached to said carton, and adapted to circumscribe and support the sides thereof, and a collapsible combined prop and cover-retaining means, attached to said band, adapted to retain said covers when closed and overlapped, and adjustable for the support of said carton in contents-displaying position.

1,483,290. AUTOMOBILE VENTILATOR. ERNEST EGGIMANN, Mount Horeb, Wis. Filed Dec. 12, 1922. Serial No. 606,404. 1 Claim. (Cl. 98—22.)

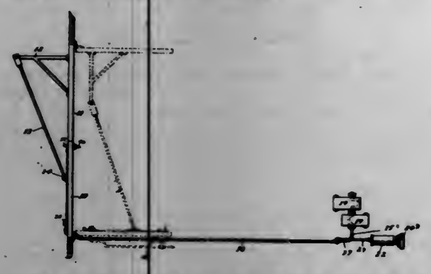
A closed automobile having a double walled top providing an air passage therebetween, a screen mounted transversely of said passage adjacent the front, an adjustable closure for the front end of said passage located in front of said screen, a ventilator providing a variable opening through the lower of the top walls for placing

the passage in communication with the interior of said automobile, a partition interposed between said walls rearwardly of said ventilator for closing the passageway



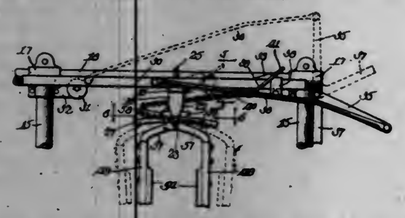
between said walls, and an adjustable rear ventilator for allowing air to flow outwardly from the rear of said automobile.

1,483,291. DOOR OPENER. ELMER LEO EMERSON, Marshalltown, Iowa. Filed Aug. 10, 1922. Serial No. 580,864. 3 Claims. (Cl. 268—9.)



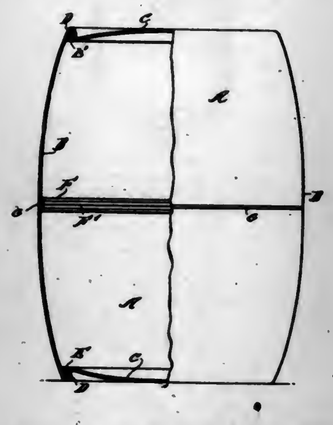
1. In a device of the class described, the combination of a hinged door, a door operating rod, means for operating said rod, said rod having one end extended to a point adjacent to the inner side of the door when it is closed and then parallel with the inner face of the door and then upwardly, a bracket secured to the door and having an opening therein through which the upwardly extending end of the door operating rod is projected, said opening being large enough to permit a limited movement of the upwardly extending end of the operating rod both in a direction parallel with the inner face of the door and in a direction at right angles to the door when it is in its closed position, a door latch secured to the door, and means operated by the movement of the door operating rod within the bracket for releasing said latch, said parts being so arranged that after the latch has been released a continued pull upon the operating rod will swing the door open, a latch mounted on the outer surface of the door, and a coacting latch device secured to the door operating rod to co-operate therewith.

1,483,292. COW STANCHION. JEREMIAH C. FITZGERALD, Dubuque, Iowa. Filed Jan. 5, 1923. Serial No. 610,760. 9 Claims. (Cl. 119—150.)



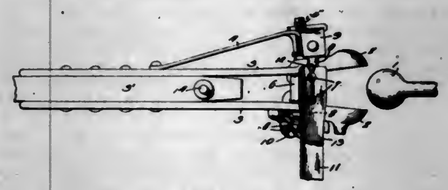
6. A cow stanchion comprising a pair of upright stanchion bars, a sway rod mounted for horizontal movement near the upper ends of said bars, a movable catch located on said rod, a loop encircling the rod and having a looped extension, a flexible connection attached at one of its ends to the upper end of one of the stanchion bars, operatively engaging the upper end of the other stanchion bar and attached at its other end to said loop for the purpose of locking the stanchion bars when the loop is engaged by the catch and so arranged that by moving the loop sidewise, till its looped extension coincides with the catch, the latter may pass through the looped extension and release the stanchions.

1,483,293. SHEET-METAL BARREL. HENRY J. FOSTER and EMIL GRUENFELDT, Cleveland, and GEORGE C. BRAINARD, East Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 10, 1919. Serial No. 270,474. 5 Claims. (Cl. 220—80.)



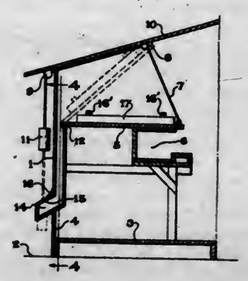
1. The herein described method of making sheet metal barrels which consists in providing two tub like sections having unturned edges, connecting a reinforcing ring to the interior edge of one section so that it projects beyond said edge, bringing said sections together with their unturned edges in close proximity and then filling the intervening space with welding material, uniting the sections and ring.

1,483,294. JOINT OR CONNECTION. GEORGE FOX, Lexington, Nebr. Filed July 24, 1920, Serial No. 398,663. Renewed Dec. 29, 1923. 6 Claims. (Cl. 287—89.)



4. A device of the character described, comprising a support; coacting arms mounted at one end upon the support, their outer ends being free; a member-engaging and retaining means on the outer end of each arm; a spreader disposed between the arms and having edge portions adapted to engage the inner surface of the arms and spread them apart when actuated; a member connecting the spreader and one of the arms; a resilient pressure device normally exerting pressure on one of the arms and tending to force it inwardly; and means for operating the spreader.

1,483,295. POULTRY HOUSE. EDWARD E. GARNER, Jacumba, Calif. Filed Aug. 9, 1922. Serial No. 580,732. 3 Claims. (Cl. 119—21.)



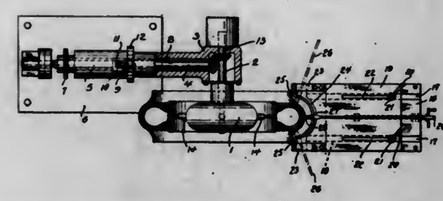
1. The combination, in a poultry house, of a droppings board, a chute to which the droppings board is connected, an outlet receptacle for the chute, a closure therefor, a roost supported from the droppings board, and means normally supporting the droppings board in horizontal position and right angularly with respect to the chute, and means for swinging the board upwardly to deliver droppings therefrom into the chute.

1,483,296. DRILL. FRED A. GILL, Lebanon, Pa. Filed July 26, 1922. Serial No. 577,584. 3 Claims. (Cl. 76—95.)



1. A dolly including a shank having a forming end, opposed guiding fingers formed at the forming end of the dolly, said forming end having a transverse groove and having convex surfaces extending from the side edges of the fingers and terminating at points adjacent to the groove.

1,483,297. TIRE-BUILDING APPARATUS. HENRY R. GILSON, New Rochelle, N. Y., assignor to Revere Rubber Company, a Corporation of Rhode Island. Filed Dec. 17, 1920. Serial No. 431,373. 11 Claims. (Cl. 154—10.)

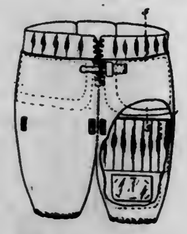


3. Tire stitching apparatus including a lever, a roller supported at one end of said lever, the other end of said lever being manually operable, a semi-circular support for said lever intermediate its ends and shaped to facilitate manual bodily lateral movement of the lever and roller carried thereby.

1,483,298. NEW ALLOY COMPRISING IRON, NICKEL, CHROMIUM, MOLYBDENUM. PIERRE GIRIN, Paris, France, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Original application filed Dec. 9, 1918, Serial No. 265,985. Divided and this application filed Feb. 8, 1922. Serial No. 535,044. 1 Claim. (Cl. 75—1.)

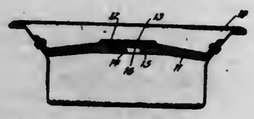
A high nickel ferrous alloy containing nickel, 60 to 70 per cent, chromium, 10 to 15 per cent, molybdenum, 1 to 3 per cent, manganese 1 to 2 per cent and carbon, 0.3 to 0.6 per cent, such alloy having at elevated temperatures great mechanical resistance to chemical agents and susceptible of retaining indefinitely its initial properties, notwithstanding prolonged service.

1,483,299. ATHLETIC PROTECTIVE PAD. HUGO GOLDSMITH, Cincinnati, Ohio, assignor, by mesne assignments, to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 25, 1922. Serial No. 546,821. 3 Claims. (Cl. 2—122.)



1. In a device of the class described the combination of a flexible sheet, padding mounted over one side thereof, vertical curved reinforcing strips mounted upon the opposite side thereof and extending over substantially one half of said last mentioned side, and a resilient shock absorbing pad mounted on the second half of the second mentioned side of the sheet.

1,483,300. SHIPPING AND IDENTIFICATION TAG HOLDER. JOSEPH L. GROSSMAN, Chicago, Ill. Filed Oct. 15, 1921. Serial No. 507,957. 5 Claims. (Cl. 40—10.)

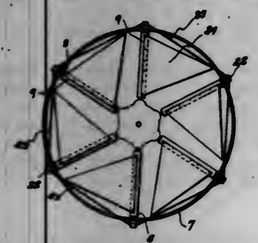


1. A shipping tag and holder of the character described comprising a stiff, flat paper tag having shipping indicia thereon and a ring shaped integral body member having a shallow restricted flanged opening, the walls of which taper slightly outwardly from the restricted entrance to the flange and into which the tag is readily removably pressed to seat against the flange, and means for securing the holder to the article to be shipped.

1,483,301. POWER WINDMILL. GEORGE C. HALKIAS, New York, N. Y. Filed June 6, 1922. Serial No. 566,252. 2 Claims. (Cl. 170—60.)

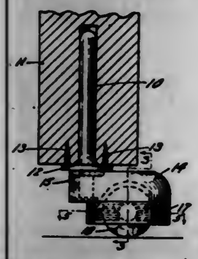
1. A device of the class described comprising a pivoted main bracket, a shaft rotatable therein, an annular rim about said shaft, radially disposed spindles having hollow masts integral therewith, flexible vanes on said masts, pulleys on said spindles, rollers offset from said pulleys

on each of said spindles and adjacent said pulleys, a string connecting a mast pulley with the roller offset from the adjacent mast, the free ends of said vanes be-



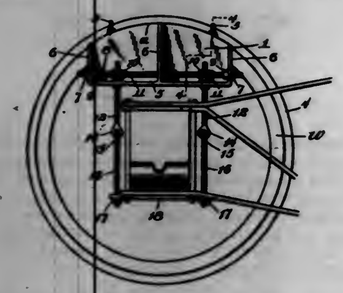
ing secured to said strings, means for furling said vanes upon the mast, and means for automatically unfurling said wind vanes.

1,483,302. CASTER. ALBERT B. HANNA, Denver, Colo. Filed Oct. 14, 1922. Serial No. 594,600. 2 Claims. (Cl. 16—46.)



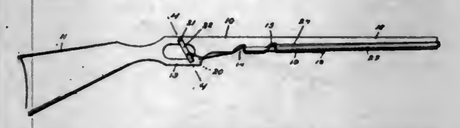
1. A caster comprising, a housing; a shank pivoted therein, and supported upon ball bearings on the top of said housing; a spherical cavity formed in the bottom of said housing eccentric to the axis of said shank; a ball shaped roller carried on two oppositely positioned bearing balls within said cavity, and notches formed in said housing for the reception of said bearing balls.

1,483,303. JOURNAL JACK. LEE U. HAWKINS, Madisonville, Ky. Filed Mar. 31, 1923. Serial No. 629,205 8 Claims. (Cl. 254—34.)



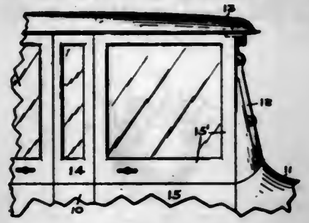
1. A journal jack of the class described comprising a plate, means carried thereby engageable with the wheels to support the device in applied position, an outstanding flange carried by the plate, a second plate adapted to underlie the journal box, shanks operatively engaged with said second plate and disposed upwardly through the flange, members threaded upon the shanks and engaging the flange from above, and means for rotating said members.

1,483,304. TOY GUN. AUGUSTUS C. HEFFNER, Crowley, La. Filed Oct. 15, 1923. Serial No. 668,711. 10 Claims. (Cl. 124—14.)



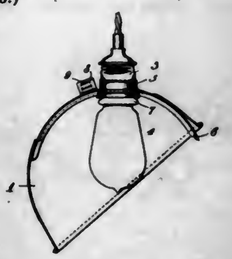
1. A device of the character described comprising a body formed as a representation of a gun and including a stock and a barrel portion, the barrel portion being formed at its lower edge with notches defining retaining shoulders, a flexible member secured at one end to the barrel and extending longitudinally of its lower edge, the barrel being adapted to have elastic bands engaged upon the end thereof and stretched whereby their other ends will be disposed at said notches in engagement with the shoulders, the flexible member being drawn into the notches and retained by the bands and the shoulders, and means for applying tension to the flexible member for unseating the bands from the shoulders.

1,483,305. WEATHER STRIP FOR MOTOR-VEHICLE WINDSHIELDS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation. Filed Apr. 1, 1921. Serial No. 457,775. 6 Claims. (Cl. 296—93.)



1. In a vehicle body, an inclined windshield and inclined posts supporting the same, a weatherstrip fitting between a post and the adjacent side of the windshield, a demountable corner panel supporting the weatherstrip, and means for holding the panel in place, substantially as set forth.

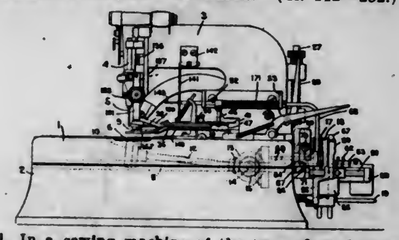
1,483,306. ADJUSTABLE REFLECTOR FOR LAMPS AND THE LIKE. AXEL THEODOR JULIN and OLOF EINAR FRÖDING, Eskilstuna, Sweden, assignors to Aktiebolaget Separator, Stockholm, Sweden, a Corporation. Filed Apr. 21, 1922. Serial No. 555,826. 1 Claim. (Cl. 240—103.)



A reflector for lamps and the like including in combination with a lamp carrying member, a reflecting body provided with a slot for the displacement of the lamp carrying member, a plate connected with the lamp carrying member and covering the slot in the different positions of the reflector relative to the lamp carrying member, and a

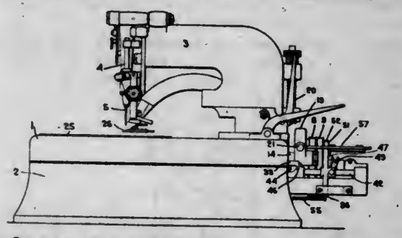
spring device connected with the cover plate the fore ends of which press on the side of the reflector body opposite to that with which the cover plate contacts, substantially as and for the purpose set forth.

1,483,307. THREAD TRIMMER FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Apr. 15, 1922. Serial No. 552,926. 19 Claims. (Cl. 112—252.)



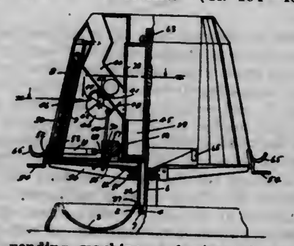
1. In a sewing machine of the type adapted to sew a short seam and then come to rest, the combination with stitch-forming mechanism including a reciprocating needle, of a stop motion for bringing the machine to rest at the end of the sewing operation, and means controlled by the stop motion but actuated independently thereof for cutting the needle thread at the end of the sewing operation and after the machine has come to rest.

1,483,308. THREAD TRIMMER FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Sept. 27, 1922. Serial No. 590,973. 11 Claims. (Cl. 112—252.)



1. In a sewing machine, the combination with work holding means, of a pivoted pull-off arm situated beneath the work and having a cam rib, a pivoted cutter also situated beneath the work and having a cam rib, and an actuator having a forked portion to engage said ribs and thus give said elements their operative movements.

1,483,309. VENDING MACHINE. JAMES WARREN MCCOMMINS, San Diego, Calif. Filed Aug. 11, 1921. Serial No. 491,407. 5 Claims. (Cl. 194—48.)



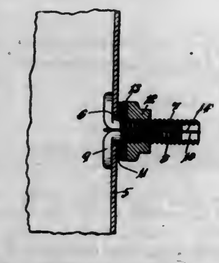
3. In a vending machine, a horizontal arm pivotally supported at one end having a closure associated with the other end and means for locking the same in an active position, comprising a lever supported above the arm, an operative connection between the arm and one end of the lever and a trigger supported above the lever engaging a notch in its other end for holding the same against upward motion.

1,483,310. ATTACHMENT FOR HAIR CLIPPERS. NICHOLAS A. MOLTRUM, Chicago Heights, Ill. Filed Nov. 13, 1922. Serial No. 600,601. 1 Claim. (Cl. 30—1.)



In combination with hair clippers having gear means for reciprocating a cutting blade; a blower attachment consisting of a hood mounted upon the casing of the clippers, and including a circular portion and a tunnel portion leading to the guard teeth and cutting blade of the clippers, a blower fan located within the circular portion of the hood and carried by a shaft journaled through the casing, and a pinion on said shaft meshing with the driving gear of the clipper mechanism.

1,483,311. REPAIR PLUG. MICHAEL G. O'BRIEN, Bristol, Conn. Filed May 7, 1919. Serial No. 295,440. 1 Claim. (Cl. 137—99.)



A repair plug comprising a screw threaded stud divided into two members, feet extending each at an angle to the main part of each of said members and in opposite directions from the stud as a whole, a packing located between said members and extending from side to side thereof and lengthwise therealong to the inner end of said member to prevent flow of fluid between the meeting faces of said members, a packing surrounding said members in contact with the edges of the packing between said members, and a nut to bind said last mentioned packing in place.

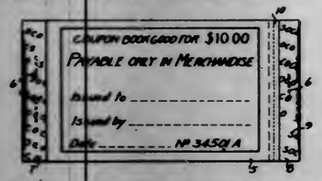
1,483,312. SASH LOCK. MAX OESTERLING, Cleveland, Ohio. Filed Sept. 21, 1922. Serial No. 589,569. 1 Claim. (Cl. 292—153.)

In a lock for windows of the type comprising an upper and lower sliding sash, the side sill of one of the sash members having a series of equally spaced openings therein, a box member positioned in an opening formed in one side sill of the other sash member and having an opening in its bottom wall alining with a similar opening formed in said side sill, a sleeve member secured to said bottom wall in alinement with said openings, a bolt and link pivotally connected at their meeting ends slidably associated with said sleeve, said bolt being positioned within said sleeve with the link folded at right angles thereto and positioned within said box when the bolt is in an inoperative position, said bolt being slid inwardly with the pivot connection and link positioned within said sleeve and the

bolt in engagement with one of said openings in the first mentioned side sill when the bolt is in an operative position, a swinging door secured to said box adapted for closing its open end for the purpose of preventing the withdrawing of said bolt from its operative position, and means for locking said door in its closed position.

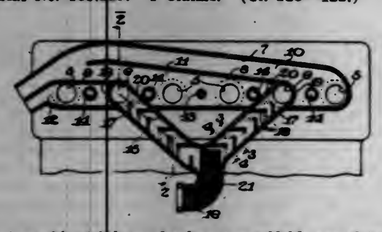


1,483,313. SAFETY COUPON BOOK. ABE RICH, Birmingham, Ala., assignor to Southern Coupon Company, a Corporation of Alabama. Filed Aug. 30, 1920. Serial No. 406,758. 5 Claims. (Cl. 281—18.)



1. A coupon book composed of sheets divided by transverse lines of perforations into end tabs and interposed suitably printed coupons, and means to provide a detachable protective binding for the end tabs comprising stitching and a gummed binding strip of paper applied over the stitching on both sides of the book and of such character as to be defaced by the application of moisture, the stitched and bound tabs and covers being adapted to be torn from the book along registering lines of perforations in the sheets to expose the coupons for detachment.

1,483,314. INLET AND EXHAUST MANIFOLD. AUGUST C. ROSENBROOK, Madison, Wis. Filed May 11, 1921. Serial No. 468,539. 4 Claims. (Cl. 123—122.)



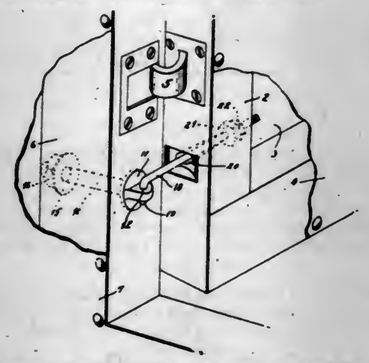
1. A combined inlet-and-exhaust manifold comprising an exhaust housing communicating with the exhaust ports of the engine and inlet conduits leading to the admission ports of the engine and having their upper ends only subjected to direct heat from the exhaust, and partitions in said exhaust housing for directing a greater part of the exhaust from some of the cylinders away from the inlet conduits, said inlet conduits being provided with a series of baffle plates arranged in staggered relation and spaced from the center of the conduits to heat and produce turbulence in the mixture passing therethrough.

1,483,315. HEAD TELEPHONE RECEIVER. HENRY G. SAAL, Chicago, Ill. Filed Aug. 10, 1922. Serial No. 581,030. 1 Claim. (Cl. 179—156.)



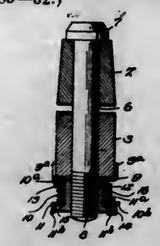
A head telephone receiver including an arcuate head band formed of spring metal; a pair of ears upon one end thereof and placed to form a slot therebetween which is transverse of the band, said ears having aligned openings that are perpendicular to said slot; a watch case telephone receiver; a threaded stem carrying said receiver and passing freely through the aligned openings in said ears; and an adjusting nut threaded upon said stem and disposed in the slot between said ears.

1,483,316. AUTOMOBILE DOORCHECK. WILLIAM J. SEELINGER, Cleveland, Ohio. Filed Dec. 8, 1919. Serial No. 343,296. 4 Claims. (Cl. 292—262.)



1. A device of the character set forth designed for use with elements comprising a door and casing, said elements having bores which align when the door is closed, an eye bolt extending through the bore of one element and having a head occupying a counterbored portion of the bore, a nut applied to the bolt for securing it within th bore, a rod having one of its ends interengaged with the eye of the bolt and extending through the bore of the other element, the rod being threaded where it protrudes beyond the bore, a stop adjustable along the threaded portion of the rod for engagement with a part of the respective element for limiting the swinging movement of the door through an angle not greater than 90°, one of the elements being recessed to accommodate the eye of the bolt.

1,483,317. CONNECTING-ROD BOLT. STEPHEN A. SLAUSON, Cedar Rapids, Iowa, assignor of twenty-five one-hundredths to John H. Brookman and twenty-five one-hundredths to L. O. Hatch, both of Cedar Rapids, Iowa. Filed June 30, 1922. Serial No. 571,955. 9 Claims. (Cl. 85—32.)

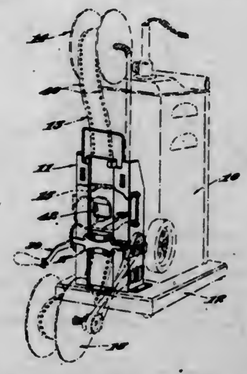


1. A device of the character deacribed, comprising a connecting bolt and a nut therefor, a coil spring surrounding said nut, means for anchoring the end of said spring distant from said nut, a collar mounted on said nut and connected with the free end of said spring, said collar being rotative on said nut for winding said spring, and means for locking said collar from rotation on said nut under the tension of said spring.

1,483,318. COMPOSITION FOR TREATING COAL. RALPH H. SMITH, Wilton, N. Y., assignor to William A. Robeson, Saratoga Springs, N. Y. Filed Jan. 26, 1922. Serial No. 532,042. 5 Claims. (Cl. 44—4.)

1. A fuel-treating composition of matter containing chlorate of potash, chloride of sodium and saltpeter.

1,483,319. MOTION-PICTURE MACHINE. EDWARD M. SWARTZ, Roxbury, Mass., assignor to Keystone Mfg. Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 28, 1923. Serial No. 635,262. 3 Claims. (Cl. 88—17.)

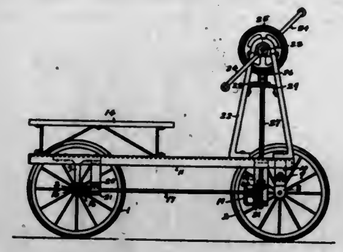


2. A film guide for motion picture machines comprising a metal stamping providing a handle at one end, a channel housing at the other end, and two anti-friction rolls mounted intermediate said handle and housing.

1,483,320. SHEET-METAL CONDUCTOR FOR ROOFS. GEORGE K. THOMPSON, New York, N. Y., assignor to Hoyt Metal Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 9, 1920. Serial No. 350,463. 3 Claims. (Cl. 137—75.)

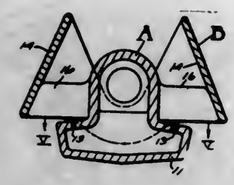
1. As a new article of manufacture, a sheet metal conductor for the purpose described composed of lead and antimony, the antimonial content in said article being not in excess of ten per cent.

1,483,321. HAND-OPERATED VEHICLE. HERBERT F. THOMPSON, Houston, Tex. Filed Oct. 16, 1922. Serial No. 594,742. 2 Claims. (Cl. 208—55.)



1. A vehicle including a front and a rear axle, carrier wheels supporting said axles, a yoke having downwardly turned ends formed with bearings in which the front axle runs, supports formed with bearings in which the rear axle runs, a frame to which said supports are rigidly secured, a bolster fastened to the front end of said frame and pivoted to said yoke, a propeller shaft geared to the rear axle, spaced A frames upstanding from the frame at the front end thereof, a crank shaft rotatably mounted in suitable bearings in said A frames, hand operated cranks fixed to the ends of said crank shaft, a drive shaft in operative connection with said crank shaft and said propeller shaft through which the propeller shaft may be driven from the crank shaft.

1,483,322. GAS BURNER. JEROME TRAVIS, Toledo, Ohio. Filed May 10, 1922. Serial No. 559,745. 12 Claims. (Cl. 158—108.)

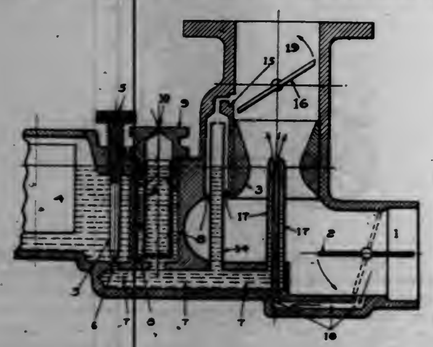


1. A gas burner comprising, in combination, a heating chamber into which the fuel gas is conveyed, means providing outlets below said chamber through which the gas issues in upwardly directed jets for combustion, and means to direct the jets of burning gas in a path adjacent the heating chamber and thereby maintain the latter at a high temperature, said last mentioned means comprising a baffle wall directly in the path of said jets and arranged to deflect the fuel gas toward said chamber and cause it to mix with the air as it strikes said wall.

1,483,323. CARBURETOR. RAYMOND M. ANDERSON, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed Aug. 14, 1920. Serial No. 403,585. 2 Claims. (Cl. 261—41.)

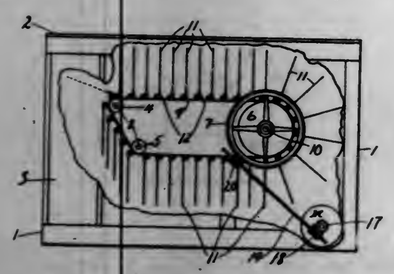
1. A carburetor comprising a body having a constant level fuel reservoir and a mixing chamber adjacent said reservoir, a mixture outlet and a throttle valve in said mixture outlet, a fuel feeding nozzle extending into said mixing chamber, said carburetor being formed with a fuel receiver having its upper end extending to a plane above the fuel level maintained in said nozzle to permit fuel to stand in said receiver so as to be available to cause an increase of flow from the nozzle on opening

movement of the throttle, a regulated connection from said constant fuel liquid reservoir to both said nozzle and said fuel receiver, said fuel receiver having a restricted outlet at its upper end for the discharge of a jet of fuel, said carburetor being formed with an opening for the passage of air past said restricted outlet and



providing a mixing chamber for the air and fuel adjacent said outlet, the carburetor body being further formed with a passage extending from said last mentioned mixing chamber to a point adjacent said throttle valve, and an air vented auxiliary fuel reservoir in communication with said nozzle to supply an intial fuel charge to the nozzle upon an increased air flow past said nozzle.

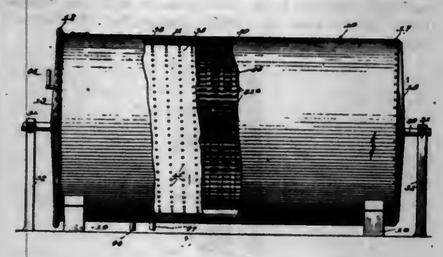
1,483,324. AUTOMATIC DISPLAY APPARATUS. HARRY J. BALDWIN, Colorado Springs, Colo. Filed Feb. 19, 1923. Serial No. 619,925. 4 Claims. (Cl. 40—97.)



1. In an automatic display apparatus of the class described, having an enclosing case with a transparent front, the combination of an endless conveyor belt passing over an actuating revolving drum; and over two idle rollers at its opposite end from said drum; means for driving said drum from an electric motor; a multiplicity of slats rigidly secured transversely to the outer surface of said belt; pivot pins extending from the ends of said slats; and metal card-holders pivotally mounted upon said pivot pins; substantially for the purposes specified.

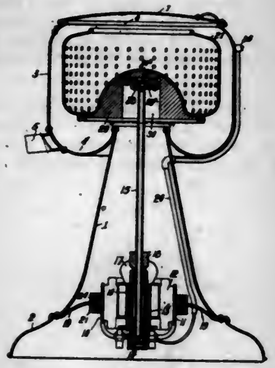
1,483,325. STERILIZING APPARATUS. GEORGE TOMAS BISHOP and WILLARD RAY HAGERMAN, Chehalis, Wash. Filed Apr. 10, 1923. Serial No. 631,142. 9 Claims. (Cl. 126—272.)

1. In an apparatus of the character described, a drum, a rotatable shaft extending through the drum, a shell arranged in the drum and mounted on the shaft, the shell and the shaft being free to partake of relative rotation, a track carried by the shell interiorly thereof, a can carrier mounted on the shaft and keyed thereto and having pockets adapted to receive cans, the track of the shell being adapted to coact with the cans of the carrier



to advance the same on the carrier, releasable interlocking means between the shell and the drum, and means for supplying a heating medium into the drum.

1,483,326. CENTRIFUGAL MACHINE. WILLIAM EMIL BOCK, Eagle Point Colony, Ohio, assignor to Bock Laundry Machine Company, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 28, 1922. Serial No. 557,059. 29 Claims. (Cl. 210—72.)



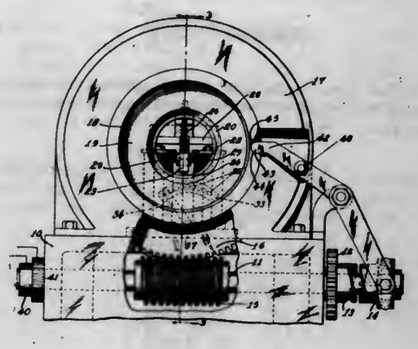
1. In a centrifugal machine, a shaft mounted for universal rocking movements, a bowl supported by the shaft and having universal rocking connection therewith, and a motor connected to the shaft for driving the same and having rocking movements therewith, the weight of the motor being substantially centralized with respect to the rocking center of the shaft.

1,483,327. ALLOY FLUX FOR SOLDERING ALUMINUM AND PROCESS FOR FORMING SAME. WILLIAM G. BOLUS, Rhinelander, Wis. Filed Oct. 27, 1921. Serial No. 510,846. 7 Claims. (Cl. 75—1.)

1. An alloy flux for soldering aluminum to aluminum or other metals, comprising tin, aluminum, bismuth and silver, substantially in the proportions specified.

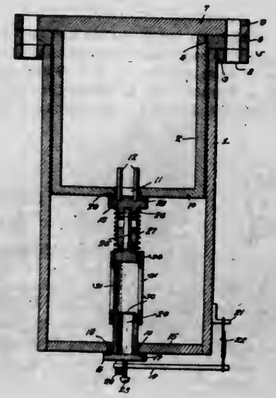
1,483,328. ELECTRIC PEENING MACHINE. RICHARD A. BOOKER, Richmond, Ind. Filed Apr. 29, 1922. Serial No. 557,472. 22 Claims. (Cl. 78—13.)

1. In a machine of the class described, the combination of a work-holder, a peening tool in operative relation to the work in said holder, an electro-magnet to actuate and effect a peening blow of said tool, and automatically



operable means for controlling current flow in said magnet to vary its actuating pull on and graduate the blow of said tool.

1,483,329. FIRE EXTINGUISHER. HAROLD A. BRAMAN, Providence, R. I. Filed Mar. 24, 1922, Serial No. 546,328. Renewed Jan. 2, 1924. 4 Claims. (Cl. 169—27.)

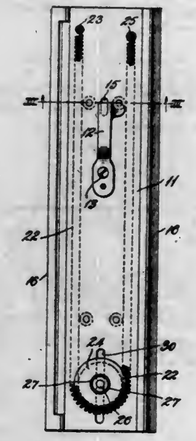


1. A fire extinguisher comprising a main container having an outlet opening, means in said container for containing chemical substances which when mixed together generate a fire extinguishing gas, a valve for normally closing said outlet opening, automatic means for bringing said chemical substances into contact with each other when said valve is opened, and means for closing said valve opening after said valve has been opened until a predetermined chemical reaction has taken place in said container.

1,483,330. PAPER CARRIAGE FOR ADDING MACHINES. CHARLES E. BROMAN, Grand Rapids, Mich., assignor, by mesne assignments, to Add-Index Corporation, a Corporation of Delaware. Filed Mar. 5, 1921. Serial No. 449,995. 5 Claims. (Cl. 197—60.)

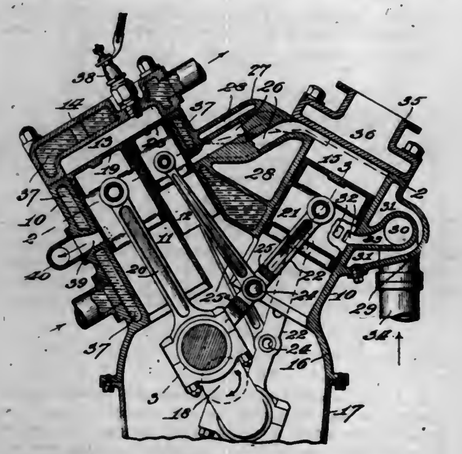
1. In a paper carriage construction for adding machines, the combination of a track, a carriage mounted

and slidable thereon, a pulley having means whereby it is adjustably mounted on the track, and an extended



and doubled helical spring passed around said pulley, and having one end attached to the track and the other end attached to the carriage.

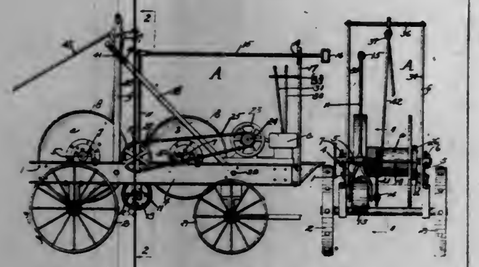
1,483,331. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Charles A. Burtnett, Los Angeles, Calif. Filed Nov. 20, 1922. Serial No. 602,180. 7 Claims. (Cl. 123—53.)



7. An internal combustion engine having a pair of chambers connected at one end to form a single clearance space wherein compression, combustion and expansion take place, the axes of said connected chambers being substantially parallel, said engine also having a gaseous fuel precompression chamber, the axis of which is disposed at an angle with relation to the axes of the connected chambers, pistons arranged for operation within said connected chambers and the precompression chamber, a crank shaft to which said pistons are connected and the axes of all of the cylinders occupying a plane that is substantially at right angles to the axis of the crank shaft, the piston of one of the first mentioned connected chambers and the piston of the precompression

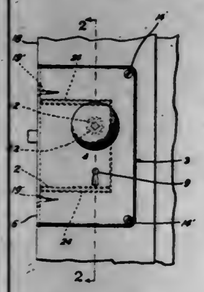
chamber being connected to one of the cranks of said crank shaft, and a connection between the piston of the other one of said connected chambers and the connection between the piston of the precompression chamber and the crank of the crank shaft.

1,483,332. SPOOLING DEVICE. CLAUDE BYLER, Sheridan, Wyo. Filed May 18, 1922. Serial No. 561,797. 6 Claims. (Cl. 242—93.)



1. A spooling device, comprising a carriage, said carriage including a rectangular frame member, two drum members journaled between sides of said frame member, an engine supported upon said carriage, a friction wheel between said drums, means for causing said friction wheel to engage one or the other of said drums, said engine being in coupled relation with said friction wheel and whereby one or the other of said drums may be rotated responsive to engagement by and rotation of said friction wheel.

1,483,333. COMBINED DOOR-LOCK-MOUNTING UNIT. JOSEPH N. CARUCE, Astoria, N. Y. Filed Oct. 26, 1922. Serial No. 596,937. 2 Claims. (Cl. 70—16.)



1. A lock assembling and housing unit for door panels comprising an integrally formed member having two parallel side plates adapted to fit against the opposite faces of a door panel and a vertical connecting web connecting the outer edges of said plates and adapted to rest in suitable grooves or recesses formed on the door edge to form a surface flush with the surface of the door edge and said connecting web having a longitudinal opening for the reception of a door lock mechanism and face plate, the surface of the door edge, the connecting web and the face plate of the lock mechanism being flush with each other.

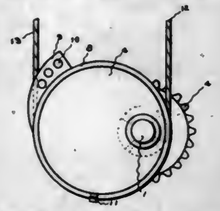
1,483,334. MUTE HOLDER. ABRAHAM CHERNIAVSKY, Los Angeles, Calif. Filed Aug. 24, 1922. Serial No. 584,045. 3 Claims. (Cl. 84—311.)

1. An attachment for a stringed instrument having a tail piece, including a part attachable to the forward end of the tail piece, and a part extending from the first mentioned part outwardly from the end of the tail piece



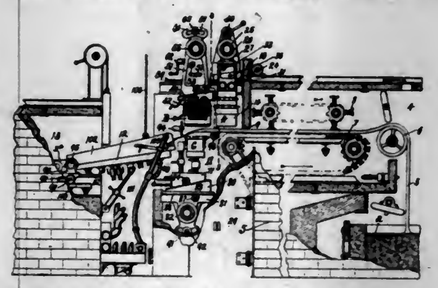
and then downwardly and having openings in the outwardly extending portion adapted to receive some of the prongs of a mute.

1,483,335. ECCENTRIC DRILLING ATTACHMENT. HARRY ALBERT CLARK, Wichita Falls, Tex. Filed Mar. 3, 1923. Serial No. 622,666. 1 Claim. (Cl. 255—7.)



An eccentric drilling attachment of the character described, comprising a shaft mounted upon suitable bearings, a sprocket on said shaft having half of a dental clutch thereon, an eccentric cam on the shaft and having the other half of the clutch thereon, a loose band over the eccentric cam, a flange on the band and carrying rollers, and a clamp arranged transversely of said loose band.

1,483,336. METHOD AND APPARATUS FOR FORMING GLASS. ROBERT M. CORL, Maumee, Ohio, assignor, by mesne assignments, to Erie Glass Company, Toledo, Ohio, a Corporation of Delaware. Filed July 26, 1918. Serial No. 246,877. 34 Claims. (Cl. 49—17.)

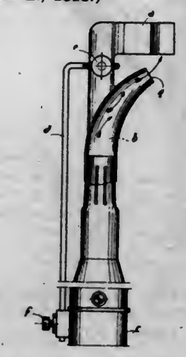


15. The method of forming sheet glass, which consists of continuously drawing a thick mass of glass in sheet form from a molten source of supply, the sheet mass being drawn in a plane at an upward angle to the surface of the molten mass, and, while conveying the sheet mass away from the drawing source and maintaining heat therein, applying a converting heat to the sheet mass to continuously flow a sheet of predetermined thickness therefrom and then conveying the thinned sheet through a gradually reducing temperature.

26. The combination with a furnace of the class described from which a column of metal feeds, of a shaft extending transversely of the column and to one side thereof, and a heater carried by said shaft for adjustment lengthwise thereof to place it in operative or inoperative relation to said column.

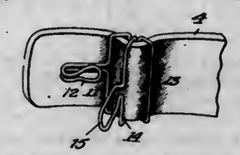
34. The combination with a furnace from which a sheet of glass continuously passes, of a substantially horizontal table for supporting said sheet at a predetermined distance from the furnace as it passes therefrom, the delivery end of said table being pivoted and the receiving end thereof being mounted for vertical swinging adjustment to vary the point of contact of the sheet therewith, the table having its sheet contacting surface corrugated, and means for tiltingly adjusting the table.

1,483,337. DEVICE FOR SOLDERING ALUMINUM. MARCEL SAID CORSAT, Bachet de Pesay, Carouge, Switzerland. Filed Aug. 2, 1921, Serial No. 489,307. Renewed July 16, 1923. 2 Claims. (Cl. 158—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



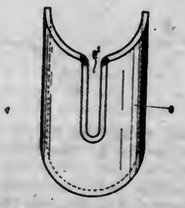
1. In combination a blowpipe, a nozzle therefor telescopically engaging said blowpipe, an extension on said nozzle extending substantially in line with said blowpipe, and a right angular portion to said extension in line with the axis of said nozzle.

1,483,338. APRON TIE. PAUL DILLING, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 597,814. 1 Claim. (Cl. 2—54.)



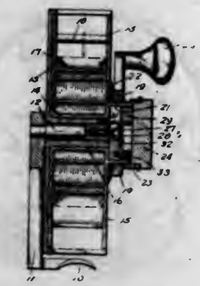
In a device of the class described, a garment having an opening therein adjacent an edge thereof, a strap adapted to encircle the upper edge of such garment, a clasp adjustably carried by said strap comprising a tubular member, a loop pivoted in said member, a hook pivoted in said member and engageable with said opening, and a keeper pivoted in said member and engageable with said hook to retain the same in said opening.

1,483,339. PERMANENT MAGNET FOR ELECTRIC MACHINES. CHARLES FREDERIC DUFAUX, Geneva, Switzerland. Filed Aug. 23, 1921. Serial No. 494,487. 1 Claim. (Cl. 175—21.)



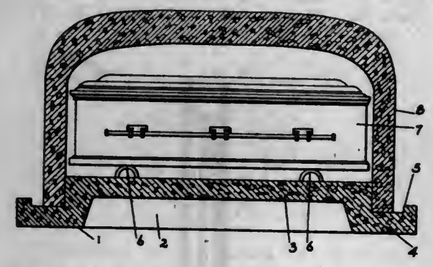
A permanent magnet for electric machines, characterized by the fact that it is composed of at least one steel-plate bent according to a cylindrical surface embracing an angle of at least 180°, and provided, at one of its extremities, with a slit separating both poles.

1,483,340. FISHING-LINE REEL. ELBERT DYER, Bandon, Oreg., assignor of one-fourth to R. V. Leep and one-fourth to L. C. Eaton, both of Bandon, Oreg. Filed Mar. 3, 1923. Serial No. 622,587. 4 Claims. (Cl. 242—84.5.)



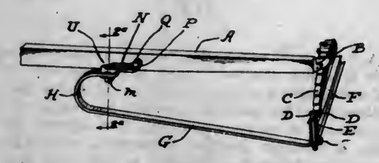
1. In a fishing reel a bracket adapted to be supported on a fishing rod or the like, a hub carried by the said bracket, a cage mounted on said hub, provided with a central extension, a reel arranged within said cage and mounted to rotate on the central extension of said cage, a brake arranged to control the rotation of said reel and means carried by said cage for operating said brake upon a rotation of said cage.

1,483,341. GRAVE VAULT. JOHN C. FITCH, Three Rivers, Mich. Filed Oct. 29, 1921. Serial No. 511,488. 2 Claims. (Cl. 72—7.)



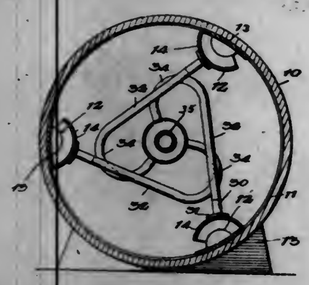
1. In a grave vault, the combination of a concrete base with a raised central platform portion, flanged edge and upturned rib, provided with supporting loops cast in the base which serve as handles, a dome-shaped top portion conformed to fit around the platform of said base, and loop handles on the said dome, as described.

1,483,342. STRUT ROD. CHARLES GITZENDANNER, Ridgewood, N. Y. Filed Aug. 18, 1921. Serial No. 493,386. 6 Claims. (Cl. 267—66.)



1. A radius bar for automobiles or like vehicles, comprising a bar or leaf substantially straight throughout its length, flat end portions on the straight section and an intermediate crimped or flanged portion, a return curved section contiguous with one end portion of the main section, and means for rigid attachment of the radius bar at either end respectively to the relatively moving parts of the vehicle.

1,483,343. SLASHER CYLINDER. EUGENE L. GLADIN, Manchester, Ga. Filed Apr. 18, 1922. Serial No. 554,839. 5 Claims. (Cl. 34—4.)



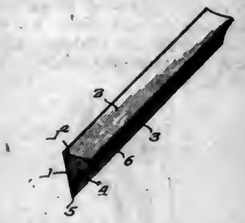
4. In a bucket for use with slasher cylinders, a combined hanger and scoop plate adapted to be disposed flush against the inner periphery of the slasher cylinder, rivets for securing said combined hanger and scoop plate to the slasher cylider, a trough integrally formed with the combined hanger and scoop plate. end plates closing the ends of said trough, and attaching means carried by the end plates and cooperable with the slasher cylinder, said attaching means including a lug carried by one of said end plates, and a bar carried by the other of said end plates.

1,483,344. LEAD PENCIL. CLARENCE O. GRONBERG, Elgin, Ill., assignor of one-third to Albert M. Price, Elgin, Ill. Filed Feb. 25, 1922. Serial No. 539,153. 7 Claims. (Cl. 120—18.)



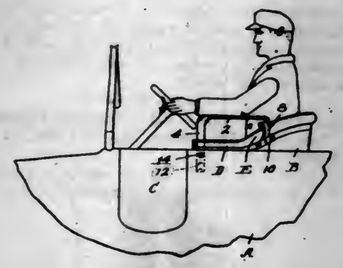
6. A lead pencil comprising, a body portion containing a bore in which the lead, when positioned for use, extends, a magazine for leads having an outlet for discharge therethrough of the leads, lead-feeding mechanism comprising a member movable in said bore and against the lead therein, a movable member cooperating with the lead and said first-referred-to member in said bore and with said outlet, the parts being so constructed and arranged that when either a lead or said first-named member is in said bore and opposes said second-named member, said second-named member obstructs discharge of a lead from said magazine, and when neither said lead nor said first-named member opposes said second-named member, the latter is movable to a position in which a lead may discharge from said magazine.

1,483,345. REPRODUCING NEEDLE FOR TALKING MACHINES. FREDERICK D. HALL, Chicago, Ill., assignor to Hall Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 4, 1922. Serial No. 541,019. 4 Claims. (Cl. 274—38.)



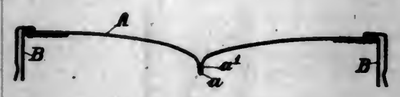
1. A needle of the class specified comprising a strip having a point formed at the junction of two angularly disposed longitudinally extending meeting sides, one of which is longitudinally scooped or hollowed.

1,483,346. ARM REST. LAFE W. HARRIS and MINNIE L. TAYLOR, Kansas City, Mo. Filed Nov. 10, 1922. Serial No. 600,030. 1 Claim. (Cl. 296—1.)



A device of the character described consisting of an arm support, a curved bracket secured to the rear portion of said arm support and terminating in a transverse lower portion adapted to be secured to the back of a motor vehicle seat, a leg extending downwardly from the forward portion of the arm support and twisted to lie against the inner surface of the motor vehicle, substantially as shown and described.

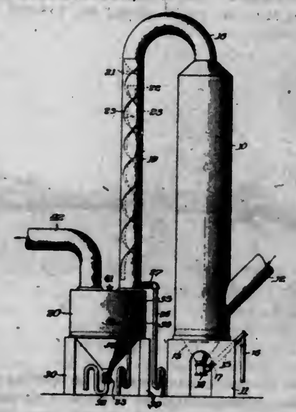
1,483,347. BOOKMARKER. JOHN WILLIAM HARRISON, Preston, England, assignor of one-half to Harry Baiding, Preston, Lancaster, England. Filed Apr. 16, 1923. Serial No. 632,396. 2 Claims. (Cl. 116—119.)



1. A book marker, comprising a strip of elastic material folded double and adapted for insertion between the pages of a book, and clips secured to the ends of the said strip and adapted to engage with the covers of the book and operating to move the strip clear of the pages when the book is opened.

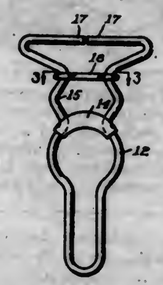
2. A book marker as set forth in claim 1, the end portions of the said strip being cut diagonally and folded over to reinforce them and strengthen their connection with the said clips.

1,483,348. MEANS FOR CLEANING AND DRYING BLAST-FURNACE GAS. JOHN C. HAYES, Jr., and HARRY L. WETHERBEE, Chicago, Ill., assignors to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed Nov. 11, 1918. Serial No. 262,025. 11 Claims. (Cl. 183—21.)



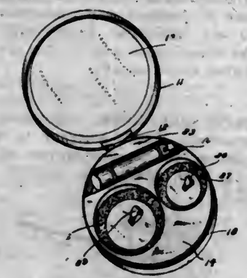
1. The combination with a gas washer including a casing having a gas inlet and a gas outlet, a gas drier disposed externally of the washer and including a casing having dust and liquid separating means therein and also provided with a gas inlet and a gas outlet, and a conduit leading continuously from the gas outlet of the washer to the gas inlet of the drier, of means within said conduit to effect separation of dust particles from washed gas passing through the conduit, and means in advance of the drier for trapping said separated dust particles and dust laden water.

1,483,349. METAL LOOP FOR GARMENT SUPPORTERS. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester Mass., a Corporation of Massachusetts. Filed Dec. 15 1922. Serial No. 607,200. 2 Claims. (Cl. 24—245.)



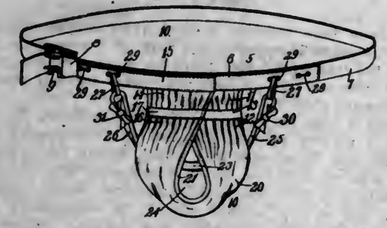
1. As an article of manufacture, a combined button loop and attaching link consisting of a piece of wire doubled on itself at the bottom to form a bottom engaging loop, extending upwardly on each side, widened to provide a space for receiving the button and having a bridge across the top of said space, the wire flaring outwardly near the top to form two opposite nearly horizontal arms and bent inwardly at the top to form two free ends in alignment and nearly in contact at their extremities, thus forming a straight upper bar for entering a loop in a supporting strap, said bar having a space through which the strap can be inserted, and a wire link extending across the device at the bottom of said arms and connected with the wires at that point to hold them together and prevent the spreading of the two ends of the device at the top.

1,483,350. VANITY CASE. HERBERT D. HOUGH, Edgewood, R. I., assignor to Wightman & Hough Company, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 30, 1923. Serial No. 628,745. 3 Claims. (Cl. 132—83.)



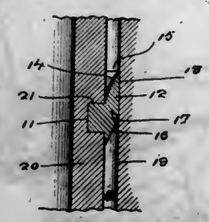
1. A vanity case having a body member and a lid, a deck plate in the body having recesses for the reception of toilet preparations and a lip stick holder, a saddle in one of the recesses for the lip-stick holder of a length less than that of said holder, and arranged to support the holder above the bottom of the body, whereby a downward pressure on one end of the holder will raise its opposite end from its saddle into position to be readily engaged.

1,483,351. SUSPENSORY BANDAGE. CHARLES S. KEIRSTEAD, Andover, Mass. Filed Apr. 18, 1922. Serial No. 555,295. 8 Claims. (Cl. 128—158.)



1. A suspensory bandage having, in combination, a waistband, a pouch adapted to enclose the scrotum, one end of said pouch being permanently secured to said waistband, an auxiliary band fast to the other end of said pouch, said auxiliary band being detachably secured to said waistband and means to yieldingly support the rear of said pouch.

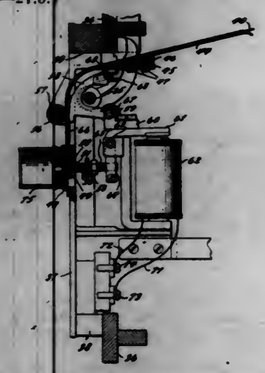
1,483,352. AUTOMATIC CYLINDER RING. EDWARD KIEFER, Falls City, Nebr. Filed May 19, 1922. Serial No. 562,157. 2 Claims. (Cl. 74—109.)



2. A piston ring comprising a transversely split member of substantially rectangular cross sectional shape, a substantially triangular circumferential flange extending around the outside of said member and providing an outer flat bearing face and an inner and upper downwardly and inwardly inclined face spaced from the face

of the piston and co-operating with the latter to provide a cross sectional wedge-shaped expansion channel and a downwardly extending cross sectional wedge-shaped flange extending from the lower edge of the ring, the outer periphery of the flange being within the plane of the bearing face and an inclined wall connecting said outer periphery with the triangular flange, said wall being spaced from the lower inner wall of the said triangular flange and defining an oil groove.

1,483,353. TAPE RECORDER. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor to Kleinschmidt Electric Company, Inc., a Corporation of New York. Filed June 21, 1920. Serial No. 390,600. 10 Claims. (Cl. 234—27.5.)



1. In a tape recorder, a feed wheel for the tape, a movable segment engaging the tape on its opposite side from the feed wheel, and means for moving said segment away from the tape operable where said segment reaches its forward limit of movement.

3. In a tape recorder, a rotatable feed wheel for the tape, a pivoted segment disposed on the opposite side of the tape from said feed wheel, means for bringing said segment into and out of engagement with the tape opposite said feed wheel, and additional means comprising a cam secured to said segment for disengaging said segment from the tape when said segment reaches its forward limit of movement.

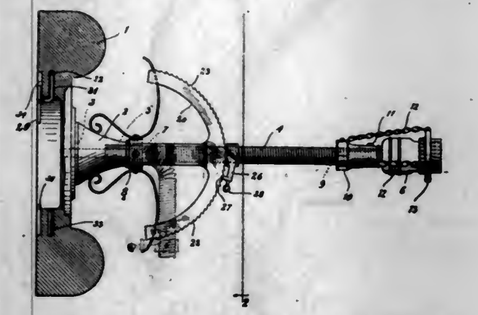
8. A plurality of tape recorders having front plates aligned side by side, a feed wheel for each recorder in front of its front plate, a rotatable shaft common to all recorders in the rear of said front plates, and means for actuating said feed wheels from said shaft.

1,483,354. GAS-ENGINE MUFFLER. FREDERICK KOPPER, Jr., Washington, D. C. Filed Nov. 25, 1919. Serial No. 340,562. 10 Claims. (Cl. 137—160.)



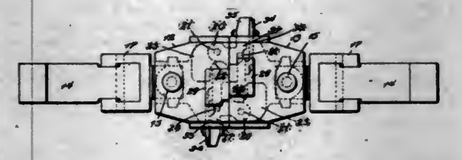
1. A muffler provided with a member having an orifice, a closure pivotally mounted to restrict or enlarge said orifice, a flexible element in operative connection with said closure, and means for bodily moving said element to vary the normal position of said closure.

1,483,355. LAMP. ALEXANDER B. KUPSCHE, Chicago, Ill. Filed Mar. 30, 1922. Serial No. 548,043. 1 Claim. (Cl. 240—81.)



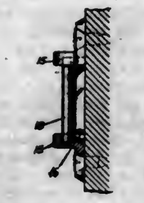
A device of the class described embodying therein a base portion, a lamp carrying portion, a flexible portion extending therebetween, and means for holding the flexible portion in any placed position, said means including a curved serrated member which does not follow the arc of a circle, but is extended farther at the ends than at the middle, and a latch for engagement therewith.

1,483,356. COMBINED AUTOMATIC CAR AND TRAIN-LINE COUPLING. ONESIME H. LE COMPTE, St. Louis, Mo., assignor to Le Compte Standard Automatic Drawbar and Connector Company, Denver, Colo., a Common Law Trust. Filed Feb. 16, 1921. Serial No. 445,474. 7 Claims. (Cl. 213—100.)



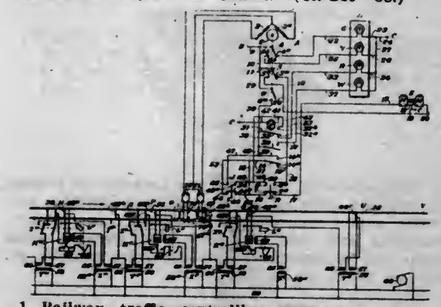
1. In a coupling construction, a draw bar, a coupling provided with a pivoted knuckle member and carried pivotally by said draw bar, and a vertically movable locking pin adapted for coupling engagement with a companion coupler and operative when in coupled relation to prevent pivotal movement of said knuckle member.

1,483,357. LOOP. CHARLES W. LEGUILLON, Akron, Ohio. Filed July 7, 1923. Serial No. 650,092. 7 Claims. (Cl. 24—265.)



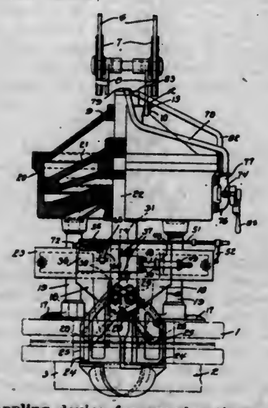
7. As a new article of manufacture, a loop comprising an attaching plate, the under surface of which is recessed, and a pin receivable within the recess and confined therein upon attachment of the plate in position.

1,483,358. RAILWAY TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, and FRANK H. NICHOLSON, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 15, 1922. Serial No. 536,787. 19 Claims. (Cl. 246—38.)



1. Railway traffic controlling apparatus comprising mechanism on a vehicle requiring continuous supply of energy from the trackway to permit unretarded progress of the vehicle, and means on said vehicle including a manually operable device for removing said mechanism from control by trackway energy to permit the vehicle to pass without retardation through territory not equipped for supplying energy to the vehicle, said means being effective only if the manually operable device is actuated just before the supply of energy from the trackway ceases.

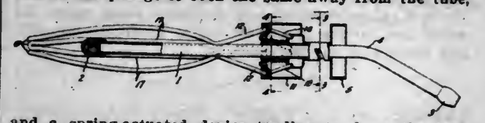
1,483,359. PORTABLE MOLD-CLOSING PRESS. HECTOR V. LOUGH, Hartford, Conn., assignor to The Hartford Rubber Works Company, a Corporation of Connecticut. Filed Apr. 1, 1921. Serial No. 457,681. 20 Claims. (Cl. 18—2.)



20. A grappling device for annular tire molds, including means to enter the mold opening from above and to engage and support the mold from beneath for transportation, means engaging the mold from above to effect clamping action thereupon, and means for applying a compressive effort to the clamping means.

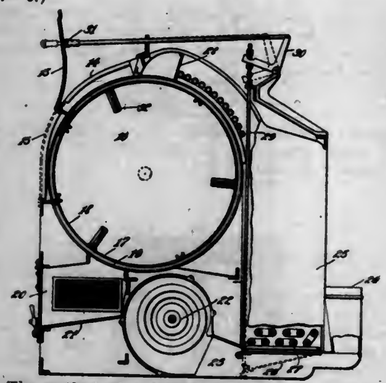
1,483,360. SPRAY DEVICE. CLARENCE M. MCARTHUR, Detroit, Mich. Filed Sept. 1, 1921. Serial No. 497,677. 4 Claims. (Cl. 128—244.)

1. In a spray device, a tube, a spray nozzle, a series of wire fingers or prongs positioned about the tube and having an elongated curved form in side elevation and being normally arranged in converging relation, a support for the prongs carried by the tube, said support including a socket in which the prongs may have a rocking motion in a plane parallel with the longitudinal axis of the tube, said fingers having converging end portions beyond the point of support, means movable longitudinally of the tube and engaging the last named converging ends of the prongs to rock the same away from the tube,



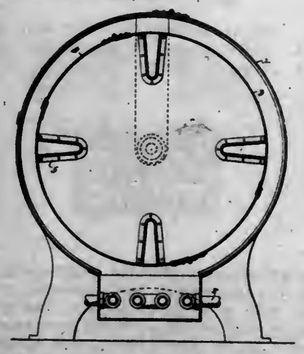
and a spring-actuated device tending to force the last named converging ends and prongs apart to force the body of the prongs or spray device to contracted or closed relationship.

1,483,361. METHOD OF RECLAIMING WASTE. JAMES P. MCCARTHY, Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Oct. 21, 1918, Serial No. 259,119. Renewed Sept. 18, 1923. 6 Claims. (Cl. 87—6.)



4. The method of reclaiming journal box or other similar waste, comprising heating the waste without moistening the same to increase the fluidity of the oil therein, extracting sufficient oil therefrom to reduce the oil content to a known average amount, tumbling the extracted material in a current of air to separate the fibres and remove short fibres and foreign matter, and impregnating the product with a known quantity of oil.

1,483,362. IMPREGNATION OF WASTE WITH LUBRICATING OIL. JAMES P. MCCARTHY, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 7, 1921, Serial No. 450,480. Renewed July 9, 1923. 2 Claims. (Cl. 91—68.)



1. The method of impregnating fibrous waste with oil from an oil bath, consisting in repeatedly removing a mass of the waste in loose form from the oil bath and

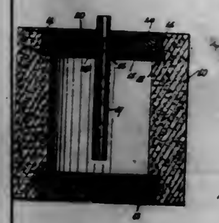
thereby allowing it to compact and the oil to drain therefrom and run into the cavities and cells of the fibres, and repeatedly restoring the mass in loose form to the oil bath, thereby exerting a squeezing action upon the waste and forcing additional oil to penetrate the cells and cavities of the fibres.

1,483,363. COLLAR BUTTON. LESLIE L. MANN, Cleveland, Ohio. Filed Sept. 27, 1923. Serial No. 665,167. 4 Claims. (Cl. 24—101.)



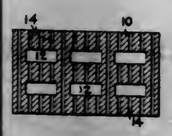
1. A collar button comprising a base, a head, and a shank connecting said base and head and being of greater diameter at its juncture with the head, than at its juncture with the base.

1,483,364. POROUS FILTER. WILLIAM MARTENS, Ackley, Iowa. Filed Dec. 30, 1920. Serial No. 434,087. 3 Claims. (Cl. 210—170.)



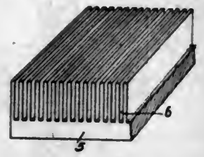
1. A filter for pump pipes formed of a porous hollow casing having one end closed and the other end formed open, a plate to cover the said open end, a pipe extending through said plate from the exterior to the interior of said casing, the inner end extending adjacent to the interior closed end of said casing, means for locking said pipe to said plate, said plate being secured to the said casing, by a plastic material capable of hardening and anchoring the same.

1,483,365. SOUND-ABSORBING METHOD AND MATERIAL. JACOB MAZER, Pittsburgh, Pa. Filed June 27, 1918. Serial No. 242,272. 10 Claims. (Cl. 20—4.)



1. The method of establishing predetermined acoustic conditions for an enclosure that comprises providing in connection with a boundary surface thereof a sound-absorbing material having apertures opening at the surface exposed to the sound waves, said apertures being of such number, dimensions and arrangement as to produce definite and predetermined sound-absorbing capacity per unit area of the said exposed surface.

1,483,366. SOUND-ABSORBING METHOD AND MATERIAL. JACOB MAZER, Philadelphia, Pa. Continuation of application Serial No. 242,272, filed June 27, 1918. This application filed Oct. 9, 1922. Serial No. 593,353. 9 Claims. (Cl. 20—4.)



1. The method of modifying the acoustics of a room, auditorium or other space that comprises providing such a space with a boundary surface having grooves communicating with said space, the said grooves having definite and predetermined sound-absorbing capacity per unit area of the exposed surface.

1,483,367. STORM AND SCREEN SASH HANGER. WILLIAM F. MATTHES, Faribault, Minn. Filed Nov. 3, 1922. Serial No. 598,915. 1 Claim. (Cl. 16—172.)



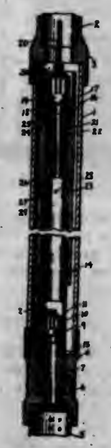
The combination with a window frame or its outside casing, of a sash detachably mounted therein, an outwardly projecting rigid hook fixed upon the sash near each upper corner thereof, an upwardly directed resilient arm fixed on the casing near each upper corner of the sash and arranged to engage under the hook of the adjacent corner of the sash, said resilient arms being arched outward from the casing and offset edgewise in over the sash and inclined with their top ends toward the usual recess for the sash so as to engage the hooks on the sash when the latter is pushed upward to its limit in the recess and said inclined ends arranged to be engaged simultaneously, by the sash, to disengage their upper ends from said hooks, for the purpose described.

1,483,368. MANUFACTURE OF RESINS. VAIKUNTH P. MEHTA, New York, N. Y., assignor to Dhanpat Rai, New York, N. Y. Filed June 12, 1923. Serial No. 644,945. 7 Claims. (Cl. 260—4.)

5. The method of making a resinous product which comprises heating a reaction mixture containing phenol and formaldehyde in about molecular proportions, potassium hydroxide and ammonia in proportions of about 1 part of ammonia to 65 grams of phenol and from 0.1083 parts to 11.2 parts caustic potash to 65 parts of phenol,

and glycerin from 1 to 10% of the mixture, under a vacuum until an oily liquid is produced, pouring the liquid into molds and continuing the heating under a vacuum and later under a higher pressure, and finally completin the process by heating to a high temperature.

1,483,369. RECIPROCATING PUMP. FRANK J. MILLER, Wichita Falls, Tex., assignor, by mesne assignments, to L. E. Trout, Oklahoma City, Okla. Filed Apr. 6, 1923. Serial No. 630,222. 7 Claims. (Cl. 103—179.)



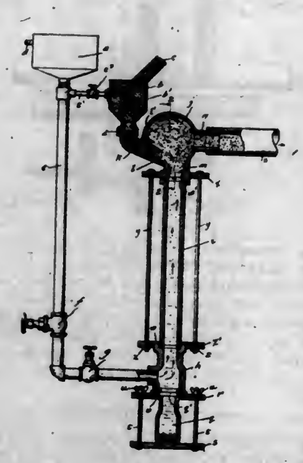
1. In a pump, a tubing, a pump barrel thereon of larger diameter than said tubing, a standing valve secured to the lower end of said pump barrel, a stationary tube projecting upwardly from said standing valve, a plunger, a tube on said plunger telescoping within said stationary tube and a tube of larger diameter secured frictionally to said plunger and adapted to telescope over said stationary tube.

1,483,370. PUMP. FRANK J. MILLER, Wichita Falls, Tex., assignor, by mesne assignments, to L. E. Trout, Oklahoma City, Okla. Filed Apr. 6, 1923. Serial No. 630,223. 3 Claims. (Cl. 103—179.)



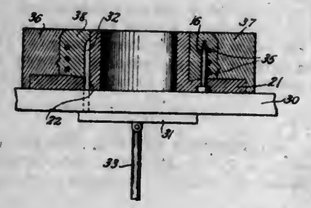
1. In a pump, a tubing, a standing valve coupling thereon, a standing valve tube projecting upwardly from said coupling in said tubing, a valve thereon, downwardly tapered grooves in said tube expansible packing rings fitting in said tapered grooves and a plunger telescoping over said standing valve tube.

1,483,371. HYDRAULIC MINERAL SEPARATOR. JOSEPH B. MILLER, Portland, Oreg., assignor of one-half to Edwin Jacobson, Portland, Oreg. Filed May 10, 1923. Serial No. 638,073. 7 Claims. (Cl. 83—82.)



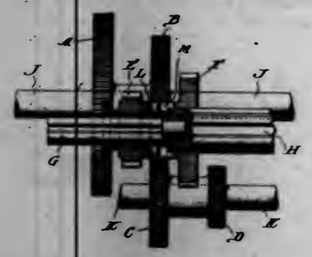
1. A hydraulic mineral separator comprising a stand-pipe of uniform cross section, a connection to the bottom end of said stand-pipe from a head of water, means for controlling the flow thru such connection, an agitation-head mounted on the upper end of said stand-pipe, such head provided with a chamber having its interior wall-surfaces concaved in a vertical plane, the lower end of said agitation-head having a throat connecting with the top of said stand-pipe, said throat being deflected from the longitudinal axis of the stand-pipe towards one of said interior concaved wall-surfaces, a mineral hopper having a spout discharging into one side of said agitation-head, the agitation-head having an outlet in its wall side opposite to the inlet from said spout.

1,483,372. REENFORCED SAND CORE AND METHOD OF MAKING SAME. WILLIAM H. MILLSPAUGH, Sandusky, Ohio. Filed Jan. 10, 1920. Serial No. 350,543. 10 Claims. (Cl. 22—165.)



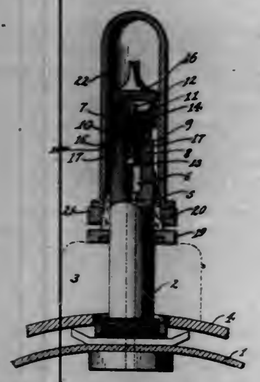
1. A core for use in centrifugal casting machines comprising a metallic support in the form of a tube having an integral outwardly extending radial flange at one end, pins projecting from the flange in spaced concentric relation with respect to the tube and a collar of sand surrounding the tube and embedding said pins, said pins strengthening the core and preventing destruction thereof by centrifugal force.

1,483,373. SPEED CHANGE AND REVERSE GEARING. WILLIAM W. PECK, Muncie, Ind. Filed Mar. 5, 1923. Serial No. 622,975. 3 Claims. (Cl. 74—58.)



1. In a transmission, a drive shaft, a driven shaft arranged in alignment therewith, gears splined upon the meeting ends of said shafts and having their confronting faces formed with clutch members, stationary shafts located parallel with and at one side of said first named shafts, a unit consisting of two gears slidable and rotatable upon one of said stationary shafts, and a unit of two gears slidable and rotatable on the other stationary shaft.

1,483,374. TIRE VALVE. FREDERICK V. PEPPER, Los Angeles, Calif. Filed Mar. 7, 1922. Serial No. 541,752. 2 Claims. (Cl. 152—12.)



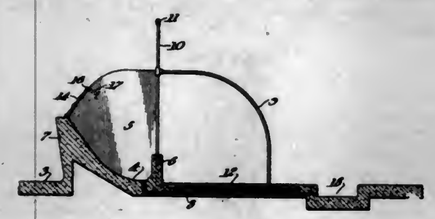
1. The combination of a tire valve having a stem; with a slip nut having a slitted body whose exterior is tapered and threaded and is adapted to be slid upon said stem; a binding nut adapted to screw upon said body and cause said body to frictionally engage the stem, said slip nut engaging the felloe when positioned for use; and a dust cap having interior threads adapted to screw upon said body and act as a nut lock to said binding nut.

1,483,375. OIL-TESTING DEVICE. WILBUR L. PLUCK and HOWARD J. PLUCK, McGuffey, Ohio. Filed Sept. 7, 1923. Serial No. 661,410. 5 Claims. (Cl. 137—139.)



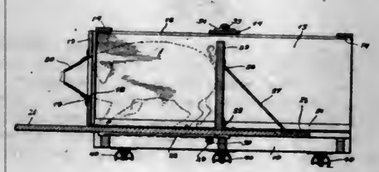
1. A device of the class described comprising an elongated handle, an operating rod mounted therein, means at the outer end of the rod for turning the same, means at the inner end of the rod for engaging the stem of a pet cock, and a cup carried by the inner end of the handle in depending relation to the pet cock for catching oil flowing from the pet cock.

1,483,376. MANGER FOR DAIRY BARNS. EDGAR F. PRICE, Port Chester, N. Y. Filed Jan. 19, 1923. Serial No. 613,716. 2 Claims. (Cl. 119—27.)



1. A manger having a wall comprising separable lower and upper portions, said upper portion being arranged to swing from its normal position about a horizontal axis until it abuts against and is supported by a fixed member attached to the manger.

1,483,377. HOG CHUTE. JESSE M. RAGSDALE and DARRYL W. RAGSDALE, Holden, Mo. Filed June 8, 1920. Serial No. 387,451. 1 Claim. (Cl. 119—98.)



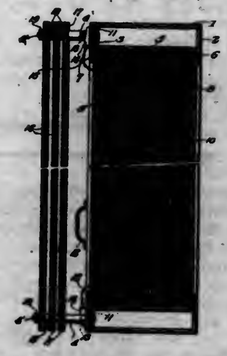
A hog chute of the character described comprising a portable frame including a door secured to the front of the frame, said door being provided with a centrally disposed round opening, a frusto-conical nose piece having open ends projecting from the outer edges of the opening, a movable floor of greater length than the sides and the top of the frame, a tail board hingedly secured to the floor, adjacent its rear end, a rod pivotally secured to the tail board and projecting rearwardly therefrom, a rack bar secured to the floor and being longitudinally arranged in the path of the rod for engagement therewith to hold the tail board in operative position, and means for moving the floor horizontally and a catch rod pivotally secured to the frame and being adapted to engage the floor moving means as and for the purpose specified.

1,483,378. SHOOTING-PRACTICE DUMMY GUN. ROBERT EDWIN REARDON, Washington, D. C. Filed Aug. 5, 1920. Serial No. 401,419. 10 Claims. (Cl. 124—15.5).



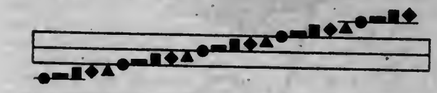
4. In a shooting practice dummy gun a spring hammer part having a sleeve casing, a cartridge insertion slot in said sleeve casing and a dummy cartridge trough in said hammer part.

1,483,379. AIR FILTERING AND CLEANING DEVICE. WILLIAM M. REED, Louisville, Ky., assignor to William Reed Engineering Company, Louisville, Ky., a Corporation of Kentucky. Filed May 15, 1923. Serial No. 639,164. 11 Claims. (Cl. 183—45.)



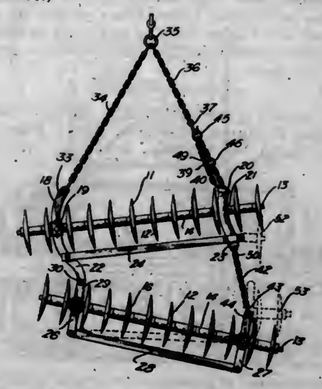
1. An air filtering and cleansing device comprising a frame, screens covering the faces of the frame, and a filter mass filling the frame between the screens comprising a body of loosely felted fibers individually covered with a solid adherent shell-like coating.

1,483,380. MUSICAL NOTATION. SIDNEY ARMOR REEDE, New Brighton, N. Y. Original application filed Mar. 6, 1913, Serial No. 752,258. Divided and this application filed July 14, 1919. Serial No. 310,636. 7 Claims. (Cl. 283—47.)



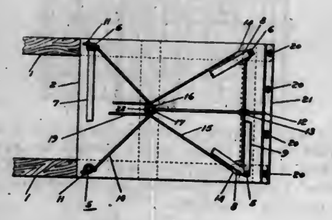
6. A musical notation comprising a blank, lines thereon forming a staff and indicating by their lateral separation certain pitch-intervals, and noteheads of contrasted form associated with said lines in such manner that the distance of the center of area of each notehead from the lines progresses with the pitch indicated by said notehead, substantially as described.

1,483,381. SINGLE AND DOUBLE TANDEM DISK HARROW. JOSEPH S. REYNOLDS, Santa Barbara, Calif. Filed Sept. 21, 1922. Serial No. 589,545. 11 Claims. (Cl. 55—83.)



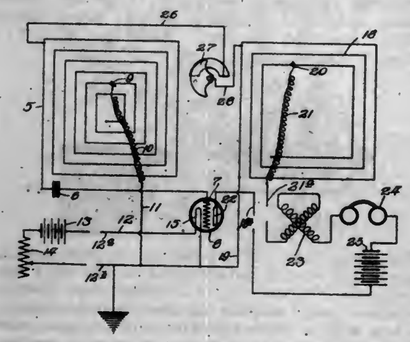
1. In a position adjusting draft device for agricultural implements of the class described, the combination of: a draft member; a divided draft member having a flexible intermediate portion, one end of said divided draft member being attached to one vehicle and the other end thereof being attached to a following vehicle; and means on said draft member for selectively engaging said flexible intermediate portion of said divided draft member at a point giving the desired proportionate lengths of the divisions of said divided draft member.

1,483,382. SNOWPLOW. GEORGE RICHARDSON, Pittsfield, Mass. Filed Mar. 22, 1923. Serial No. 626,931. 2 Claims. (Cl. 37—33.)



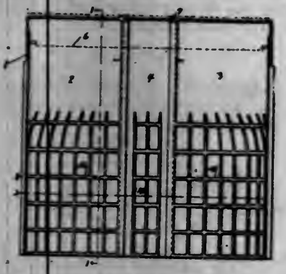
1. A snow plow consisting of two runners, cross bars connected to said runners, a bed plate, four upright supports arising from said bed plate, a center upright support arising from the bed plate and incased in a tube, bars connected to the top of said supports, a tube encasing the center upright support and two sprockets mounted thereon, a sheave rigidly connected to the top of the two forward supports, a scraper blade connected to the forward ends of the runners and to the bed plate, a V shaped back brace secured to the two rear supports by means of a clevis, a movable center blade and a standard secured thereto and arising from the forward end of said center blade, and a chain connected to the said standard, supports attached to the movable center blade and the upright tube encasing the center upright support.

1,483,383. RADIO RECEIVING SYSTEM. HENRY K. SANDELL, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1922. Serial No. 598,553. 5 Claims. (Cl. 250—20.)



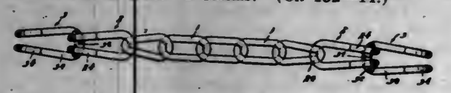
1. In a radio receiving system, a vacuum tube, a loop aerial connected to the grid of said tube, a loop in series with the plate and filament of said tube, said loop aerial and loop having their planes parallel and spaced from each other, a connection between the loop aerial and the loop, and a condenser interposed in said connection.

1,483,384. FIREPLACE LINING. ALBERT H. SANDSTROM, Portland, Oreg., assignor of one-fourth to P. M. Hall-Lewis and one-fourth to E. W. Hansen, both of Portland, Oreg. Filed Aug. 24, 1922. Serial No. 584,059. 5 Claims. (Cl. 126—130).



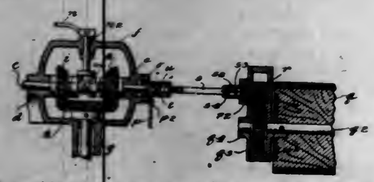
1. In a metal fireplace lining, a right and a left side section each curved to also form a portion of the back of the fireplace with their edges spaced in confronting relation, and a central back section connecting said edges in vertical grooved engagement.

1,483,385. DETACHABLE CROSS CHAIN. OSCAR SCHOYEN, Minneapolis, Minn. Filed June 16, 1921. Serial No. 477,056. 4 Claims. (Cl. 152—14.)



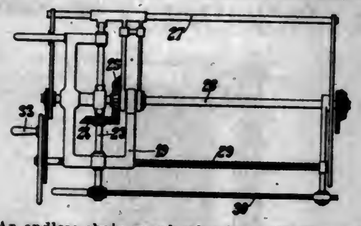
2. A cross chain comprising an end link having a bight portion and adapted to be connected to a standard side chain, a link connected to said end link also having a bight portion, the ends of which are bent in planes at right angles to the bight portion to form hooks engaging through the bight portion of the end link, said hooks being resiliently movable toward each other and being held against the side portions of the bight of the end link whereby relative longitudinal movement of said links is substantially prevented, said first mentioned link having its bight portion flattened to pass between the ends of the hook portion and the bight portion of said second mentioned link when turned and slidden out crosswise thereof.

1,483,386. IRONER. CHESTER L. SCHWARTZ, Ithaca, Mich., assignor of one-half to Jules H. Kraus, Detroit, Mich. Filed Nov. 23, 1921. Serial No. 517,172. 1 Claim. (Cl. 64—103.)



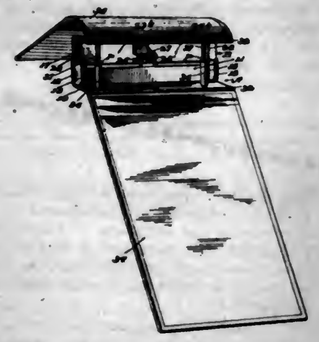
The combination with a power driven shaft journaled for reversible rotation and having at the free end a transversely extending lock pin, and a second shaft journaled for rotation, of a coupling engaging the second shaft to the first shaft to rotate therewith, said coupling comprising a shaft section at each end of which is secured a socket by means of a link loosely pivoted at one end to the shaft section and at the opposite end to the socket, one of said sockets provided with angularly extending grooves adapted to receive the lock pin carried by said first shaft to lock the socket thereto to rotate in one direction with the shaft and adapted to disengage from the shaft when rotated in the opposite direction.

1,483,387. CHAIN-SAW MACHINE. MAURICE CAMILLE HENRI SERIN, Paris, France. Filed May 16, 1922. Serial No. 561,450. 2 Claims. (Cl. 143—32.)



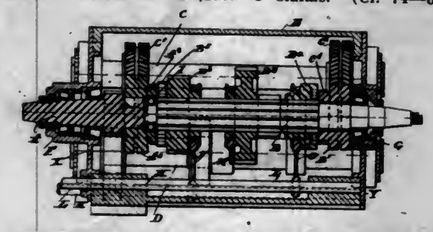
2. An endless chain saw having inwardly directed teeth, a driving sprocket within the chain, guide rollers yieldingly mounted in the plane of said sprocket tending to give the loop of the saw chain a generally triangular outline, in combination with means for moving the driving sprocket towards and from the guide pulleys, and a shaft parallel to the plane of said sprocket and a gear slidable on said shaft and driving said sprocket, this sprocket, guide pulleys and saw being rotatably mounted about said shaft to change the plane of cut of said saw.

1,483,388. LOOSE-LEAF BINDER. BRUCE P. SHEPHERD and MARSHALL HOTCHKISS, Nashville, Tenn. Filed Aug. 22, 1922. Serial No. 583,554. 10 Claims. (Cl. 129—23.)



1. A binder comprising two sections, each having a base plate and a back plate, one of said back plates having return portions provided with teeth or serrations and the other back plate sliding in said return portions, and a two-part spring actuated bolt carried by said sliding section and having teeth or serrations engaging those of the return portions of the back plate, as and for the purpose set forth.

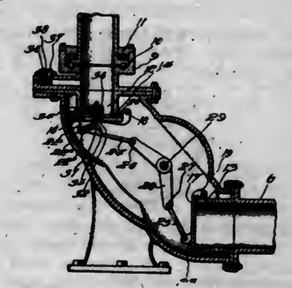
1,483,389. OVERDRIVE FOR MOTOR VEHICLES. WILLIAM C. SMITH, Cleveland, Ohio. Filed Dec. 13, 1920. Serial No. 430,199. 3 Claims. (Cl. 74—58.)



1. In a power transmission device, in combination, a motor shaft and a transmission shaft in alignment therewith, a speed reduction counter shaft and an overdrive

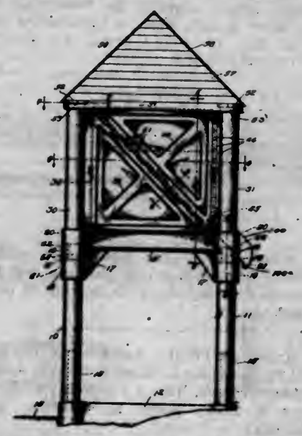
counter shaft, permanent geared connections between said motor shaft and said counter shafts, reducing gears upon said speed reduction shaft for transmitting first and second rates of speed, corresponding gears slidably movable upon said transmission shaft, one of said sliding gears also engageable with said motor shaft for transmitting a third rate of speed, and a loose speed increasing gear for a fourth rate of speed, on said transmission shaft, and a corresponding gear upon the said overdrive shaft, cooperating clutch means upon said transmission shaft and speed increasing gear, a shifting device for moving each transmission gear from neutral to engaging positions, and a locking mechanism for each shifting device.

1,483,390. VALVE MECHANISM. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1920. Serial No. 416,165. 19 Claims. (Cl. 137—21.)



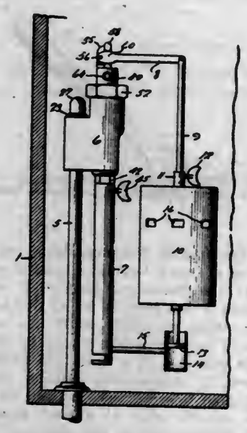
1. A valve mechanism comprising a housing having an inlet port and an outlet port, valves co-operating with said ports, the one of said valves co-operating with said inlet port opening in the direction of flow of the fluid through said housing and the other of said valves closing in the direction of flow of the fluid, said valves being connected together for movement in opposite directions, and means for reducing the pressure of fluid in the housing against the one of said valves controlling said outlet port, in the closed position of the latter.

1,483,391. BUILDING STRUCTURE. BARTON S. SNOW Batavia, Ill., assignor to T. W. Snow Construction Co. Chicago, Ill., a Corporation of Illinois. Filed Jan. 23, 1922. Serial No. 531,255. 18 Claims. (Cl. 72—6.)



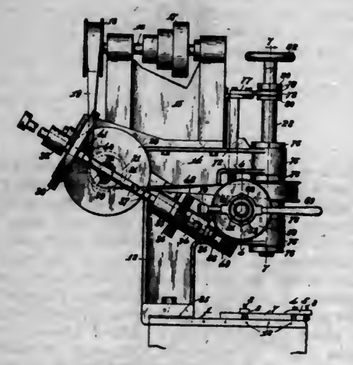
1. A building structure comprising a series of girders, truss-members of angular shape supported in upright condition on said girders, and a floor and side-wall-forming members supported on said girders.

1,483,392. AUTOMATIC PRESSURE VALVE FOR FLUSHING TANKS. JOHN C. SPEARING, Cleveland, Ohio. Filed May 15, 1922. Serial No. 561,028. 5 Claims. (Cl. 4—18.)



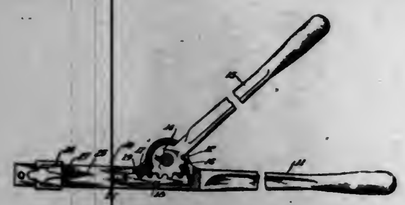
1. The combination with a flush tank and its supply and refill pipes, of a valve casing to which said pipes are connected, an outlet valve to the tank, at the bottom of the casing, said refill pipe being connected to the casing at the top thereof, and said supply pipe opening thru the side of the casing between the refill pipe and the outlet valve, a piston in the casing between the supply pipe connection and the refill pipe connection, said piston being connected to the outlet valve, and a float valve above the piston, controlling the outlet to the refill pipe.

1,483,393. PRECISION JIG-BORING MACHINE. BERNARD T. STEBER, Utica, N. Y. Filed July 1, 1921. Serial No. 481,828. 10 Claims. (Cl. 77—32.)



1. In an apparatus of the class described, the combination, with a frame and a spindle carried thereby, means for shifting the spindle, and means for rotating the spindle, of a driven belt for actuating the rotating means, an idler pulley for guiding the belt, said pulley having a face exposed away from the frame, means receiving power from the exposed face of the idler pulley for shifting the spindle, and means for adjusting the idler pulley axially away from the frame for varying its delivery of power.

1,483,394. FASTENER-INSERTING TOOL. BERNARD M. SWEENEY, Live Oak, Calif., assignor of one-half to Charles E. Sullivan, Yuba City, Calif. Filed Jan. 3, 1923. Serial No. 610,433. 3 Claims. (Cl. 1—50.)



2. A tool for driving fasteners into tree limbs, said tool comprising a frame having a handle, an offset portion formed on the frame and adapted to extend past a limb into which a fastener is to be driven, said offset portion constituting an anvil guide, an anvil slidably mounted on said guide whereby it may be adjusted thereon and engage one side of a limb into which a fastener is to be driven, a reciprocating plunger carried by the frame and adapted to work towards and away from said anvil at the opposite side of a limb engaged thereby, means at the driving end of said plunger for releasably gripping a fastener to be driven, an operating lever pivoted on the frame, and an operating connection between said lever and said plunger whereby oscillation of the lever will reciprocate the plunger and cause the same to drive a fastener.

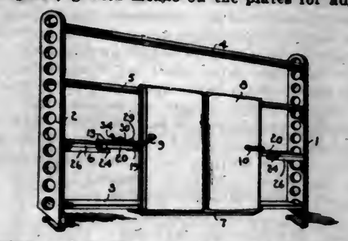
1,483,395. SPARK PLUG. JAMES M. SYME, Fitchburg, Mass., assignor to Brown Bag Filling Machine Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed July 23, 1919. Serial No. 312,774. 2 Claims. (Cl. 123—169.)



1. In a spark plug, an externally threaded gland element for engagement in a plug shell, said gland having an interior seat at the inner end and also a nut faced enlargement adjacent the outer end, said gland having a thin tapered longitudinal extension outwardly of the said enlargement, a porcelain having an enlargement disposed within the gland but of less diameter, affording a clearance; a packing element between the enlargement and the seat, said enlargement being tapered, a soft metal sleeve wedge-shaped in section wedged between the porcelain and gland at the outer part, said extension being set in and against the outer end part of the sleeve, to hold it in wedged engagement.

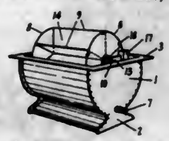
1,483,396. BOOK AND LOOSE-LEAF HOLDER. OLIVER CLARK TERRELL, Portland, Oreg. Filed May 1, 1922. Serial No. 557,540. 14 Claims. (Cl. 45—61.)

6. A holding device comprising a frame with its upper face disposed in a plane, spaced clamping members rockably mounted on the frame with their axes perpendicular to said plane, spaced plates on the frame and perpendicular to said plane, means on the clamping members cooperating with means on the plates for adjustably



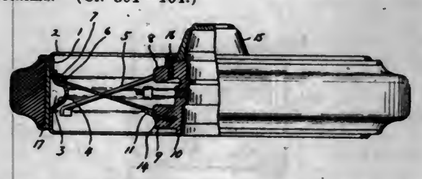
positioning and locking the clamping members longitudinally of their axes, and means for adjusting one of said plates lengthwise of the frame.

1,483,397. LIQUID WEIGHER. WALTER E. TURNER, Springfield, Ohio. Filed Dec. 22, 1922. Serial No. 608,409. 6 Claims. (Cl. 249—19.)



6. In a device of the type described, the combination with a casing, of a rotor having liquid receiving compartments revoluble in said casing, a liquid inlet in said casing above the rotor for discharging liquid successively into each compartment thereof, a shaft upon which the rotor is mounted, a stationary stop in the casing above the rotor, a series of stop elements secured to the rotor for successive engagement with the stationary stop to hold the rotor in a stationary position when a compartment thereof is under the liquid inlet, a swivel bearing in said casing for one end of said shaft, a depressible bearing in said casing for the other end of said shaft, a liquid outlet in the bottom of said casing, and a liquid-containing trough mounted in said casing above the liquid outlet and through which the lower side of the rotor passes for the purpose specified.

1,483,398. VEHICLE WHEEL. THOMAS C. WHITEHEAD, River Rouge, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a Corporation of Michigan. Filed Jan. 15, 1923. Serial No. 612,719. 14 Claims. (Cl. 301—104.)

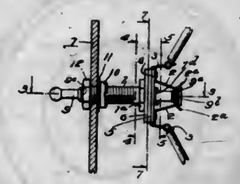


1. In a vehicle wheel, the combination with a hub and a plurality of spokes having portions cast into said hub, and means for reinforcing the portion of each spoke cast into said hub.

1,483,399. DASH SWITCH. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Sept. 5, 1922. Serial No. 586,079. 2 Claims. (Cl. 200—163.)

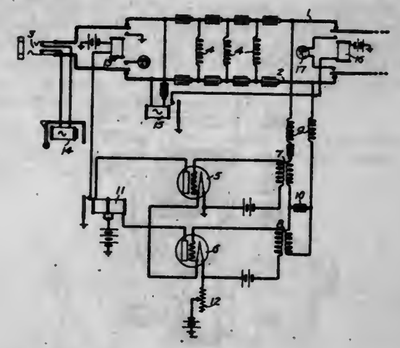
1. An electric switch for mounting on an instrument board and the like, comprising in combination with two contacts which are to be electrically connected, a reciprocable plunger and means carried thereon for connecting

and disconnecting the contacts at the respective limits of the reciprocation of the plunger; an insulated mount for the contacts; a sleeve upon which the said insulated mount is fixedly mounted and in which the plunger is mounted for reciprocation, said sleeve having a stop shoulder for stopping it against the under or back side of the board and being extended from said stop shoulder



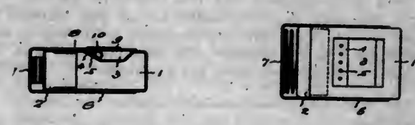
at the opposite side of the insulation from that at which the contacts are mounted thereon, and being threaded outwardly from said stop shoulder for screwing through the board, the plunger being extended through the sleeve for manual access at one end and for carrying at the other end the contact-connecting-and-disconnecting means.

1,483,400. TELEPHONE SYSTEM. RAY S. WILBUR, Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1919. Serial No. 348,585. 8 Claims. (Cl. 179—171.)



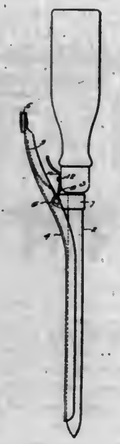
1. In a signaling system, a transmission line, repeaters connected to said line for amplifying alternating current transmitted thereover, a source of alternating current, means for connecting said source of alternating current to the terminating end of said line, and means responsive to and maintained effective by direct current through said repeaters for operating the last named means during the transmission of alternating current over said line.

1,483,401. CONDIMENT CONTAINER. FRANK E. WOLCOTT, Hartford, Conn. Filed Dec. 27, 1922. Serial No. 609,306. 6 Claims. (Cl. 65—45.)



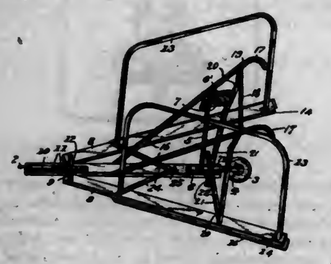
1. A container comprising a box having perforations in one wall, a casing in which the box is slidably fitted, said casing having an opening adjacent to the perforations in the box, means extending from the casing and normally bearing on the wall of the box over the perforations, and a spring normally holding the box with the perforations beneath a wall of the casing and closed by said means, said spring permitting the box to be moved in the casing so as to expose the perforations through the opening in the casing.

1,483,402. CURLING IRON. FRANK E. WOLCOTT, Hartford, Conn. Filed Dec. 27, 1922. Serial No. 609,307. 1 Claim. (Cl. 132—37.)



A curling iron comprising a handle, a ferrule on the end of the handle, a rod projecting from the handle, a clamp adapted to fit the rod, a loop slidably fitted on the rod, a pin pivoting the clamp to the loop, a flat spring doubled about said pin and having one end pressed outward against the inside of the handle end of the clamp, and the other end extending over the end of the rod handle and spaced therefrom, said spring having a perforated section bearing upon said ferrule, and a screw stud securing the ferrule handle and rod together, said stud projecting from the handle through the perforation of said spring, whereby the loop and clamp are positively held from sliding on the rod but may be released by lifting the free end of the spring and disengaging the perforation from the screw stud.

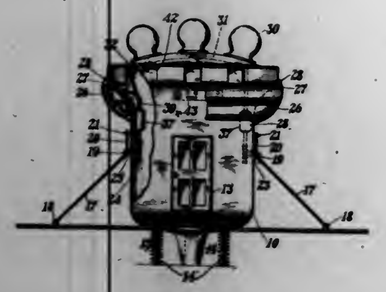
1,483,403. STALK CUTTER. CHARLES L. WOTTRING, Houston, Tex. Filed Dec. 30, 1921. Serial No. 525,826. 4 Claims. (Cl. 55—60.)



1. A stalk cutter comprising a central beam, side beams adjustable upon said central beam and diverging rearwardly therefrom, said side beams serving as runners, stalk cutting blades carried by said runners, draft

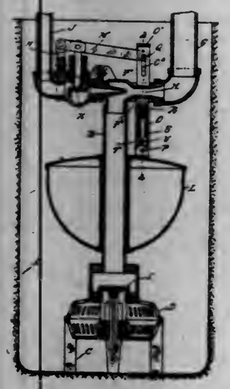
element attaching means carried on said central beam, a guide member carried on said central beam, a driver's seat mounted on said central beam, means for securing said side beams in adjusted position, and stalk engaging fenders carried by said side beams and extending upwardly therefrom.

1,483,404. SHIP'S SAFETY CABIN. JOHN WOZNIAK, Chicago, Ill. Filed June 9, 1923. Serial No. 644,311. 4 Claims. (Cl. 114—189.)



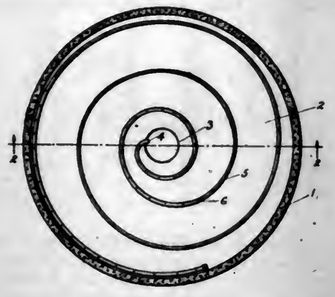
1. In a ship, a cabin resting freely on the deck thereof, a series of inclined tie ropes secured at one end to the deck and having rings on their opposite ends engaging over lugs on the cabin, and hooks releasably engaging said ropes below said lugs to hold said rings in engagement with said lugs.

1,483,405. EJECTOR. HOWARD D. YODER, Detroit, Mich., assignor to Penberthy Injector Company, Detroit, Mich., a Corporation of Michigan. Filed July 3, 1922. Serial No. 572,661. 5 Claims. (Cl. 162—3.)



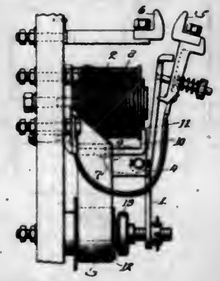
1. The combination with an ejector, a valve for controlling the supply of actuating fluid thereto, and a float for operating said valve, of mechanical means cooperating with said float to delay the rising and falling thereof until a predetermined pressure is accumulated thereon, said means comprising a stationary member and a cooperating member movable with said float, and connecting means between said value and float for transmitting the accumulated pressure on the float to said valve for effecting a full movement thereof.

1,483,406. METHOD AND APPARATUS FOR FUMIGATING GRAIN. ARTHUR R. YOUNG, Kansas City, Mo., assignor to A. R. Young Material Company, Kansas City, Mo., a Corporation of Missouri. Filed Apr. 6, 1923. Serial No. 630,259. 1 Claim. (Cl. 83—28.)



The herein described method of fumigating grain, which consists in collecting the grain in a receptacle and subjecting it to the action of hydrocyanic acid introduced within the mass of grain in the form of a spray.

1,483,407. LOCKOUT SWITCH. THOMAS E. BARNUM, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Continuation of application Serial No. 800,700, filed Nov. 13, 1913. This application filed Feb. 5, 1915. Serial No. 6,247. Renewed Dec. 22, 1920. Serial No. 432,600. 17 Claims. (Cl. 200—94.)



10. An electromagnetic appliance comprising two separate and independent electromagnets one having a comparatively closed or low reluctance magnetic circuit and the other having a comparatively open or high reluctance magnetic circuit, and a movable member attracted in opposite directions by said electromagnets.

15. An electromagnetic appliance comprising two separate and independent electromagnets one having a comparatively closed or low reluctance magnetic circuit of relatively large cross-section and the other having a comparatively open or high reluctance magnetic circuit, and a movable member attracted in opposite directions by said electromagnets, the low reluctance magnet having a magnetic shunt including an air gap between its poles and in shunt with its armature to provide a supplemental flux to increase the magnetization and decrease the initial pull upon the armature.

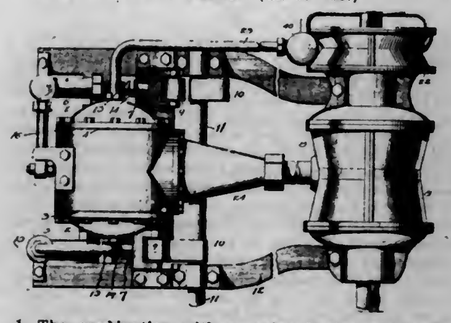
1,483,408. CARD HOLDER. ISAAC BERNSTEIN, San Francisco, Calif. Filed Mar. 21, 1923. Serial No. 626,523. 6 Claims. (Cl. 40—11.)

1. As an article of manufacture, a holder for display cards or the like formed of spring material bent to form a base having a clasp at one end and a card holding clip at the other end, a second clip detachably connected to



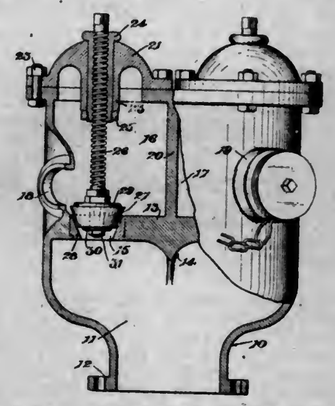
the base, said clips being oppositely disposed and at different angles with relation to the base.

1,483,409. PRESSURE GENERATOR. ALMER NEWTON BLAZER, Mescalero, N. Mex. Filed June 19, 1919. Serial No. 305,251. 7 Claims. (Cl. 60—45.)



1. The combination with a casing having end walls, of diaphragms confined between said end walls and the casing thereby forming fuel, water and air chambers, means supplying water and fuel to their respective chambers, and regulating devices operated by said diaphragms for controlling said supply means.

1,483,410. FIRE HYDRANT. FRANK CAVALLARO, San Jose, Calif. Filed July 6, 1921. Serial No. 482,648. 1 Claim. (Cl. 137—13.)



A fire hydrant comprising a cylindrical lower inlet compartment having a flange whereby it may be connected to a water main, a pair of upper outlet compartments formed above the inlet compartment and disposed on opposite sides of the center thereof, a horizontal partition wall separating the outlet compartment from the inlet compartment, said outlet compartments each having a discharge opening whereby they may be connected to a hose, said discharge opening being located in close proximity to said partition wall whereby the outlet compartments may be substantially drained, said horizontal partition wall having tapered valve openings formed therein between each outlet compartment and the inlet compartment, tapered valve members adapted to seat in and close said openings, a separate covering cap for the upper end of each outlet compartment, each cap having a threaded bore, a threaded valve stem for each valve member, said stem extending through said threaded bore in the cap and threadedly engaging the same, the upper ends of said stems projecting from said caps whereby they may be turned to raise the valves from their seats.

1,483,411. PROCESS OF AMMONIA SYNTHESIS AND MEANS FOR EFFECTING THE SAME. JOHN COLLINS CLANCY, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 24, 1921. Serial No. 455,352. 19 Claims. (Cl. 23—21.)

1. In a process for synthesizing ammonia from its elements the step which comprises passing the gases to be synthesized into contact with a metallic carbide to remove moisture therefrom with the formation of acetylene preparatory to synthesizing ammonia from said gases.

1,483,412. AMMONIA-SYNTHESIS CATALYST. JOHN COLLINS CLANCY, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Mar. 31, 1921. Serial No. 457,461. 29 Claims. (Cl. 23—28.)

1. The process of producing a catalyst for ammonia synthesis, which comprises heating an alkalinous metal oxygen bearing salt in the presence of a catalytically active metal, carbon and a gas containing nitrogen.

1,483,413. PROCESS FOR THE SYNTHETIC PRODUCTION OF AMMONIA. JOHN COLLINS CLANCY, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 2, 1921. Serial No. 458,019. 25 Claims. (Cl. 23—21.)

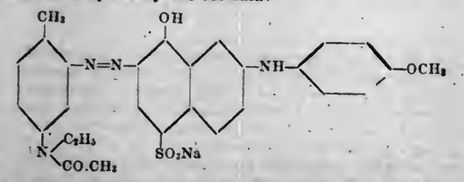
1. In a process for the synthetic production of ammonia the step which comprises passing the gases to be synthesized into contact with an alkalinous carbo-nitrid compound to remove moisture therefrom preparatory to the synthesis of ammonia from said gases.

1,483,414. PROCESS OF REGENERATING AMMONIA-SYNTHESIS CATALYSTS. JOHN COLLINS CLANCY, Providence, R. I., assignor to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 3, 1922. Serial No. 526,662. 12 Claims. (Cl. 23—28.)

1. The process of regenerating an ammonia synthesis catalyst which comprises reacting upon said catalyst with dry ammonia gas.

1,483,415. AZO DYE. HEINRICH CLINGESTEIN, Cologne, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Mar. 29, 1923. Serial No. 628,566. 2 Claims. (Cl. 260—94.)

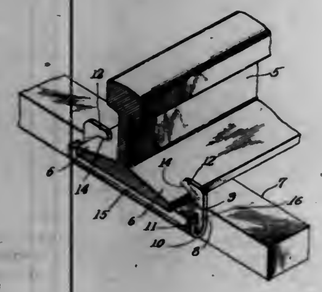
2. The herein described monazo dye having in a free state most probably the formula:



being in the shape of its dried and pulverized sodium salt a brownish powder soluble in water with a yellowish-red and in concentrated sulfuric acid with a red coloration; yielding upon reduction with stannous chlorid and

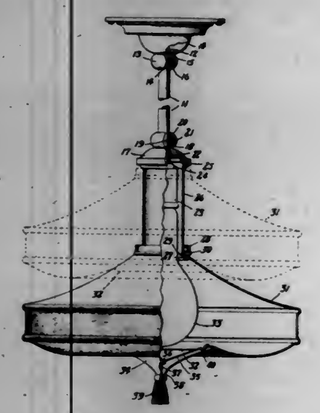
hydrochloric acid 4-ethylacetylamino-2-toluidin and para-methoxyphenyl-2.7-diamino-8-naphthol-6-sulphonic acid; and dyeing wool from said baths a pure yellowish-brown shade fast to milling, substantially as described.

1,483,416. BOLTLESS ANTICREEPING DEVICE FOR RAILROAD RAILS. ADONIRAM J. COOK, Westerlo, N. Y. Filed Aug. 2, 1923. Serial No. 655,273. 6 Claims. (Cl. 238—324.)



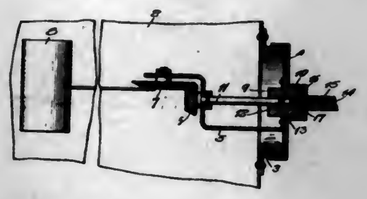
1. An anti-creeping device for rails consisting of a metallic plate having jaws at one edge and the opposite edge disposed parallel with and in a plane below the jaws, and a locking wedge adapted to engage the said edge and the base of a rail.

1,483,417. LIGHTING FIXTURE. LEROY C. DOANE, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1920. Serial No. 408,909. 4 Claims. (Cl. 240—78.)



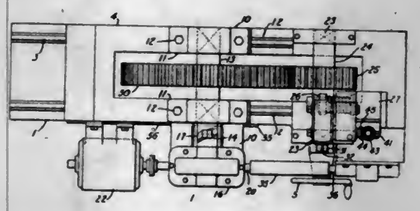
1. In a totally enclosing lighting fixture, the combination of a lamp socket, means for supporting said socket, a lamp in said socket, a canopy supported by and enclosing said socket, a reflector or shade, a member engaging said reflector or shade and slidably supported on said canopy, an aperture in the lower surface of said reflector or shade sufficiently large to provide clearance for said lamp and means for closing said aperture comprising a substantially conical cover, a spring clip attached to said cover and engaging the edges of said aperture and means for drawing said spring clip into said conical cover to disengage the edges of said aperture.

1,483,418. LIQUID-LEVEL INDICATOR. GEORGE J. DUNBAUGH, Jr., Chicago, Ill., assignor to Champion Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 10, 1922. Serial No. 551,180. 1 Claim. (Cl. 73—82.)



In a device of the kind described and in combination, a closure member adapted to be arranged at the opening of a reservoir, a bracket carried by said member comprising a pair of parallel legs spaced apart, and a leg extending transversely from the free end of one of said parallel legs, said last mentioned adjacent mutually transverse legs each provided with an aperture in mutually perpendicular axes, a gear rotatably journaled in each of said apertures and in mesh, a float carried by one of said gears, an indicator adapted to be mounted at a point remote from said reservoir, a flexible shaft detachably connected to the other of said gears and to said indicator, said indicator comprising a casing having a dial, a pointer movable across the face of said dial, a hollow sleeve in said casing and through which said flexible shaft extends out of contact therewith, a rotatable shaft in said sleeve and directly connected with and engaging the opposed end of said flexible shaft, the other end of said rotatable shaft enlarged so as to form a spherical bearing surface, said hollow sleeve provided with a spherical recess to receive said spherical bearing.

1,483,419. GEAR-INSPECTION MACHINE. GEORGE M. EATON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1920. Serial No. 351,829. 10 Claims. (Cl. 234—1.)

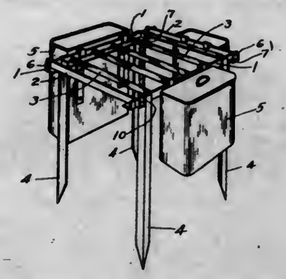


5. A gear wheel testing machine comprising a shaft journaled in the machine base, a crank shaft parallel therewith journaled in said base, means for mounting the gear wheel to be tested on said first named shaft, a master gear wheel rotatably mounted on the crank of said other shaft, a lever secured on the end of said crank shaft and a recording device associated with said lever.

1,483,420. COMBINATION CAMP STOVE AND COOKER. ALBERT L. EWING, Seattle, Wash. Filed Aug. 14, 1922. Serial No. 581,636. 1 Claim. (Cl. 126—30.)

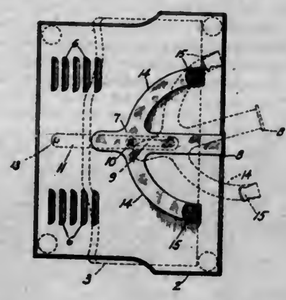
A combination camp stove and cooker of the class described comprising angular shaped horizontal side members having vertical slots and horizontal slots adjacent each end; lugs on the vertical members above the horizontal slots; horizontal angular shaped end members having horizontal slots adjacent to each end; vertical angular

shaped members having vertical slots in their upper ends and having their lower ends pointed; angular shaped



grate bars; and utensils having hooks to fit over the vertical legs of the side and end members, said utensils being of such a size that all of them will fit into the largest one.

1,483,421. BOOKREST. HELEN G. FARNHAM, Minneapolis, Minn. Filed Oct. 7, 1921. Serial No. 506,185. 6 Claims. (Cl. 45—61.)



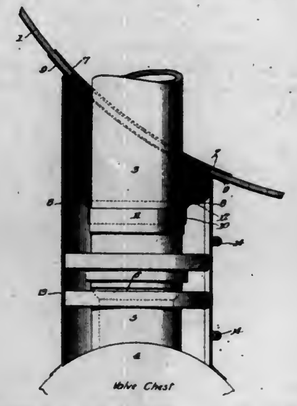
2. In a book-rest, the combination, with a base, of a plate mounted to slide forward and backward thereon and having leaf-holding fingers adapted to bear on the leaves and hold them against accidental turning, said plate being mounted to oscillate on a vertical axis to adjust said fingers for holding a greater number of leaves on one side than on the other side of the book.

1,483,422. FOOD PRODUCT AND PROCESS OF PREPARING SAME. CHARLES EDWIN FENLON, Sandwich Ill., assignor, by mesne assignments, to The Jahn Fenlon Co., Wilmington, Del., a Corporation of Delaware. Filed Nov. 18, 1918. Serial No. 263,069. 3 Claims. (Cl. 99—8.)

1. As a new article of manufacture, a liquid cream product made from fresh cream having at least eighteen per cent of butter fat, the butter fat being finely divided and comminuted and the cream having a predetermined solid content including solids not fat, and being of a predetermined viscosity so that the butter fat remains in suspension uniformly distributed through the body of cream for an indefinite period of time.

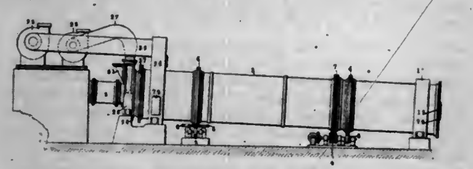
2. The process of canning cream which consists in taking fresh cream and treating it to standardize it to a predetermined solid content of butter fat and of solids not fat; then subjecting the same to the action of a homogenizer with a pressure adapted to finely divide and comminute the butter fat; then placing the cream in hermetically sealed containers, and subjecting the same to sterilization at temperatures from 179° to 250° Fahrenheit during a period to be determined by test on a sample, until the viscosity of the cream shall reach a predetermined viscosity.

1,483,423. CASING FOR LOCOMOTIVE STEAM PIPES. ARTHUR H. FETTERS, Omaha, Nebr. Filed June 15, 1923. Serial No. 645,645. 6 Claims. (Cl. 105—37.)



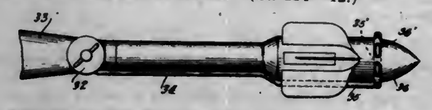
1. In a locomotive, the combination of a smoke-box; a valve chest; a steam pipe passing through the smoke-box shell and connecting with the valve chest; and a casing encompassing said steam pipe, joined at one end to the smoke-box shell and at its other end to the steam pipe, and serving to seal hermetically the opening in the smoke-box shell through which the steam pipe passes.

1,483,424. DRIER. FRANCIS E. FINCH, New York, N. Y., and WALTER H. GLOMB, York, Pa., assignors to Ruggles-Coles Engineering Company, York, Pa., a Corporation of New Jersey. Filed May 21, 1921. Serial No. 471,324. 31 Claims. (Cl. 34—6.)



8. In an apparatus of the character described, in combination, a rotatable drum open at one end having gas ports in its longitudinal wall, a hood surrounding said drum in registry with said gas ports, a gas flue extending through said opening, a second hood surrounding said gas flue and in communication with said drum, auxiliary flues in said drum adapted to lead gas from said gas flue to said gas ports out of contact with the material to be dried, means adapted to establish a current of air from said drum through said second hood, and means separate from said last mentioned means, adapted to establish a current of gas from said gas flue through said first mentioned hood by way of said auxiliary flues and said gas ports.

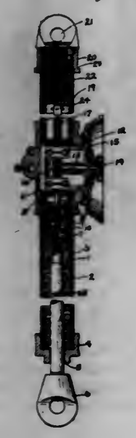
1,483,425. TOOL FOR FORMING SELVAGED FABRIC. WILLIAM C. FISHER, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,849. 9 Claims. (Cl. 154—42.)



4. A fabric cutting and folding tool comprising a guiding portion, a cutting edge mounted on said tool rear-

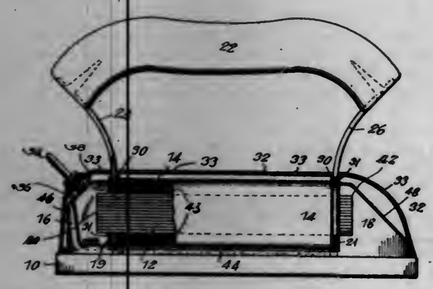
wardly of said guiding portion, a fabric folding means located in said tool adjacent and rearwardly of said cutting edge, and a size applying means carried by said tool.

1,483,426. WEIGHT INDICATOR. HAROLD W. FLETCHER, Houston, Tex., assignor to Hughes Tool Company. Filed Sept. 6, 1921. Serial No. 498,855. 3 Claims. (Cl. 265—68.)



1. In a weight indicating device, a tubular housing, a load supporting shaft slidable in said housing, a spring in said housing supporting said shaft, an indicator actuating rack above said shaft, a spring between said shaft and said rack and resilient means in said housing above said rack, acting to press said rack downwardly.

1,483,427. ELECTRIC HEATING DEVICE. EDWIN G. GAYNOR, Stratford, and LEON T. WILSON, New Haven, Conn.; said Wilson assignor to said Gaynor. Filed Nov. 3, 1921. Serial No. 512,411. 13 Claims. (Cl. 219—25.)



1. An electric heating device comprising a magnetic circuit comprising a heating plate formed of iron containing less than 0.15 per cent of carbon, and an induction winding on a portion of said magnetic circuit outside of said plate.

1,483,428. PIPE-COLLAR PLATE. EDWIN G. GAYNOR, Stratford, Conn. Filed Apr. 11, 1923. Serial No. 631,369. 2 Claims. (Cl. 126—317.)

1. A device of the type described which comprises, a pair of semi-circular plates and a connecting hinge plate having a pair of integral rivet members, one extending through an opening in one plate and the other through an opening in the other plate, said connecting plate having an extension at one end bearing against an outer



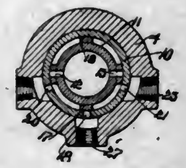
flange of one plate and rounded at the opposite end to permit swinging of its plate about the rivet at this end as a pivot.

1,483,429. REAMER. JOHN N. GOODALL, Portsmouth, N. H. Filed Jan. 4, 1923. Serial No. 610,597. 2 Claims. (Cl. 77—75.5.)



1. A reamer comprising a screw-threaded shank, cutting blades inserted in longitudinal slots in the shank, and confined against endwise movement by adjustable stop nuts engaged with the shank, center guides alternating with the cutting blades, radially movable in corresponding longitudinal slots in the shank, and confined against endwise movement by said stop nuts, and springs normally pressing the center guides outward against the stop nuts, and permitting radial inward yielding movement of said guides, the guides being normally pressed radially outward by the springs, and adapted to be displaced inward from their normal positions and inclined by contact with the bore reamed by the cutting blades, so that the guides are pressed by the springs against spaced apart points in said bore, to prevent injury to the bore by lateral movement of the cutting blades during the reaming operation.

1,483,430. REVERSING VALVE. JAMES E. GREENSMITH, Brookline, Mass., assignor of one-half to Boston Scale & Machine Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Apr. 19, 1920, Serial No. 374,815. Divided and this application filed Jan. 13, 1921. Serial No. 437,068. 7 Claims. (Cl. 121—182.)

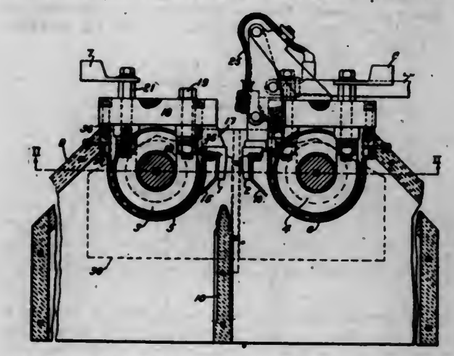


1. In a machine of the character described, in combination, a cylinder having a port at each end, a piston in said cylinder, a reversing valve, said reversing valve including a cage having ports in communication with the cylinder ports, a plug having ports adapted alternately to communicate with the ports of said cage, and an operating member; said plug having an interior inlet and a rotative bearing in said cage by means of partitions adjacent the plug ports, and a passage exteriorly of said plug permitting fluid flow between the cage and plug for exhaust from said cylinder.

1,483,431. CONTROL APPARATUS. ARTHUR J. HALL, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 7, 1919. Serial No. 281,187. 11 Claims. (Cl. 200—147.)

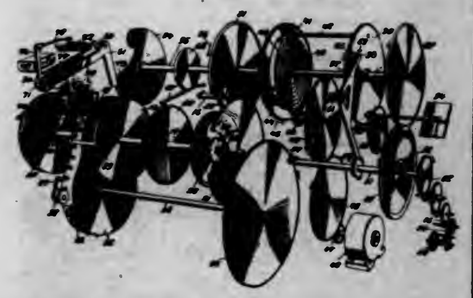
1. The combination with a plurality of relatively movable contact members, of plural means respectively located on opposite sides thereof and in proximity thereto

for inductively quenching the arcs formed between said members, means for guiding said arcs around said quench-



ing means, and means, secured to said contact members, for conducting portions of said arcs into close proximity to the respective guiding means.

1,483,432. DEMAND METER. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed July 19, 1921. Serial No. 486,006. 18 Claims. (Cl. 234—5.5.)



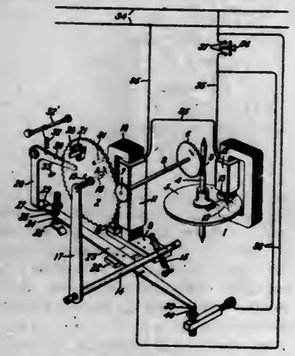
1. In an instrument having a movable member, means for printing a record of the movement of the member during equal intervals of time, comprising a platen, a type carrier actuated in accordance with the movement of the movable member, and mechanical means actuated by a constantly energized motor for causing the platen and type carrier to perform a printing operation periodically.

13. In combination, a spring, a motor arranged to be constantly energized for winding up the spring, a clock movement, a second spring for actuating the clock movement, means operated by the clock movement for periodically allowing the first mentioned spring to unwind, and a pair of friction gears operated by the unwinding of the spring and arranged to wind the clock spring.

16. In a printing mechanism, a type carrier, a member having a surface upon which the printing is to be performed, a rotatably mounted platen having a plurality of active surfaces, a movable support in which the platen is mounted, means for moving said support periodically to perform a printing operation, a pad for inking the surfaces of the platen, and means for rotating the platen after each operation so as to ink the surfaces of the platen successively.

18. In an instrument having a movable member, in combination, means for printing a record of the movable member during equal intervals of time, means for indicating the extent of the movement during any part of an interval, and means for indicating the maximum of the movements of the member.

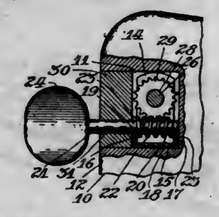
1,483,433. RELAY. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Sept. 24, 1921. Serial No. 502,914. 6 Claims. (Cl. 200—92.)



1. A definite time limit relay comprising an induction disc constant speed motor, an electromagnet having its winding in circuit with said motor, a hinged armature adapted to be attracted by said electromagnet and normally biased therefrom, a rotatable member mounted on a shaft and normally biased to initial position, means comprising said armature for moving said rotatable member into driving relationship with said motor, contacts controlled by said rotatable member, and means adapted to be operated to vary the initial position of said rotatable member whereby the time required by said motor to rotate said rotatable member to contact controlling position may be changed.

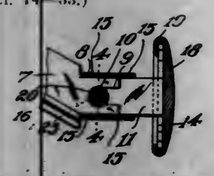
6. A relay comprising an electromagnet provided with a hinged armature normally biased therefrom, a rotatable member, means for rotating said member, a shaft on which said member is mounted supported at one end in a fixed bearing and at the other end in a bearing movable by said armature when said electromagnet is energized to place said rotatable member in driving relationship with said rotating means, a flexible switch member secured to said armature, restraining means for holding one end of said switch member whereby said armature when attracted flexes said switch member, said restraining means being adapted to be released by said rotatable member, means for varying the angular movement of said rotatable member to change the time required by said rotating means to rotate said rotatable member from initial position to releasing position, and countertorque means for rotating said rotatable member to initial position when said electromagnet is deenergized.

1,483,434. TUNING DEVICE FOR STRINGED MUSICAL INSTRUMENTS. HANS O. HAMMER, Chicago, Ill. Filed Mar. 17, 1922. Serial No. 544,465. 4 Claims. (Cl. 84—306.)



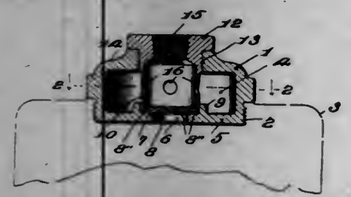
2. A tuning device for stringed musical instrument, comprising a head having a socket formed in the side thereof, a shell-like box positioned in said socket, a spindle having a worm positioned in said box, a gear operatively engaging said worm and positioned in said box and a plug carried by said spindle and positioned on the side of said box for retaining said box in said head.

1,483,435. DETACHABLE HANDLE. SAMUEL HAMMER, New York, N. Y., assignor to United Metal Box Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed July 27, 1921. Serial No. 488,037. 6 Claims. (Cl. 74—33.)



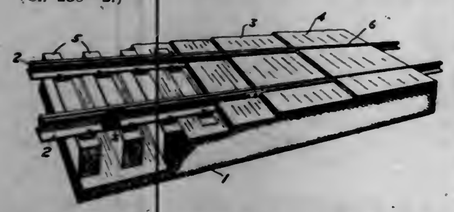
1. In combination with an operating lever, a detachable handle therefor having shank sections provided with oppositely disposed aligned aperatures of different diameters, and an adjustable element permanently connected to the handle in locked engagement with said lever, and having a free rotatable engagement with one of the apertures of said shank sections, and a threaded engagement with the opposite aperture.

1,483,436. VALVE. GEORGE EDGAR HAZARD, Rochester, N. Y., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Filed Aug. 30, 1920. Serial No. 406,920. 4 Claims. (Cl. 251—127.)



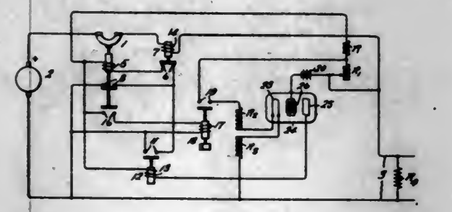
1. A valve structure for air pumps, comprising a housing having a compression chamber, the bottom of the chamber having a valve receiving recess, the bottom of the recess having an air passageway the recess provided with a surrounding flat valve seat around the air passageway, a disk valve having an imperforate central portion of greater area than the air passageway, the periphery of the central portion of the valve having laterally extending arms for the purpose described, an annular member extending through the chamber of the housing with its inner end projecting into the valve recess adjacent the valve to limit its unseating movement, the annular member having lateral passageways in communication with the compression chamber, and a passageway communicating outside of said chamber.

1,483,437. RAILWAY CROSSING AND METHOD OF MAKING THE SAME. WILLIAM T. HEADLEY, Philadelphia, Pa. Filed Aug. 4, 1921, Serial No. 489,687. Renewed Mar. 20, 1922. Serial No. 545,344. 5 Claims. (Cl. 238—2.)



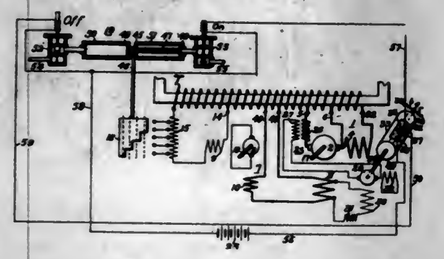
5. The method of making a railway crossing which consists in putting ballast under and in contact with the ties for drainage and air, superposing a cold course of stone and asphaltic binder upon the ballast and against the rails to roof the ties, and making flange ways in the wearing surface before it sets, substantially as described.

1,483,438. AUTOMATIC RECLOSING-CIRCUIT-BREAKER SYSTEM. FRED H. HEDIN, Willimantic, Conn., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1922. Serial No. 596,876. 8 Claims. (Cl. 175—294.)



2. In an automatic reclosing circuit breaker system, a source of current, a load circuit, a circuit breaker for connecting said source to said circuit, an electron discharge tube having its anode, cathode and grid connected to said system so that the potential difference between the points to which the grid and the cathode are connected is zero when the load resistance is a predetermined value, and means responsive to the current through said tube for causing the closing of said circuit breaker when the potential difference between the points to which said grid and cathode are connected is zero.

1,483,439. SYSTEM OF CONTROL. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 11, 1919. Serial No. 281,954. 5 Claims. (Cl. 172—276.)



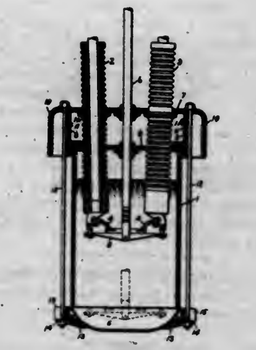
1. In a system of control, the combination with an alternating-current commutator motor having an armature and field-producing means, of an exciter machine for said motor, adjustable phase-shifting means for influencing said exciter machine, a control device for governing said phase-shifting means, and a torque-relay device having its component elements respectively energized in accordance with the motor load current and field excitation for effecting actuation of said control device.

3. In a system of control, the combination with an alternating-current commutator motor having a working and an exciting circuit, means for adjusting the relative values of the impressed and the counterelectromotive forces of the working circuit, and other means for modifying the phase of said counterelectromotive forces, one of said means being operative at will and the other means being automatically controlled in accordance with the phase relation of certain machine circuits.

1,483,440. ELECTRIC SWITCH. EDWARD M. HEWLETT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 31, 1918. Serial No. 260,455. 4 Claims. (Cl. 200—150.)

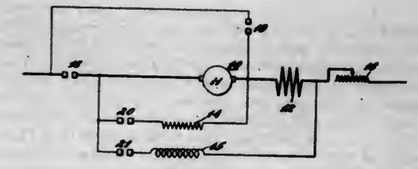
1. An electric switch comprising a vessel adapted to contain an insulating fluid, relatively movable contacts

separable within the fluid in said vessel, a cover formed with passages for the escape of gases formed at the open-



ing of the switch, and a plate secured directly to said cover and arranged to protect the cover from the shock occurring at the separation of the contacts.

1,483,441. MOTOR-CONTROL SYSTEM. LLOYD J. HIBBARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,549. 6 Claims. (Cl. 172—276.)

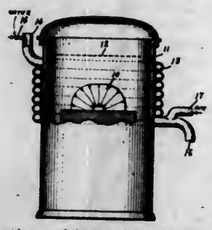


2. In a system of control for an alternating-current motor having an armature and a field-magnet winding, the combination with a reactor and a resistor, of means for effecting a series connection of said reactor and said armature during the shunt operation only of said motor, for including said resistor in a closed circuit with said armature when it is desired to electrically brake said motor, and for also separately exciting said field-magnet winding.

5. In a system of control, the combination with a supply circuit and an alternating-current motor of the commutator type having an armature and a field winding, of a resistor and a reactor, means for connecting said reactor in series relation with said armature during shunt operation of the motor, and means for connecting said resistor in a closed circuit with said armature to produce a braking current.

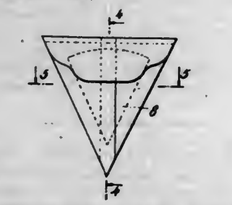
6. In a system of control, the combination with a supply circuit and an alternating-current motor of the commutator type having an armature and a field winding, of a resistor and a reactor, a switch for connecting said armature and field winding in series relation across said supply circuit, a second switch connected between one side of the supply circuit and a point intermediate the armature and the field winding, a third switch for connecting said reactor to the outer terminals of the motor, whereby, upon the concurrent closure of said second and said third switches, the motor operates as a shunt motor, and a fourth switch for connecting said resistor across the armature, whereby, upon the closure of said second and said fourth switches, the armature produces a braking current and the field winding is energized directly from the supply circuit.

1,483,442. MEANS FOR COOLING ELECTRICAL APPARATUS. HENRY M. HOBART, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 15, 1919. Serial No. 290,358. 3 Claims. (Cl. 257—52.)



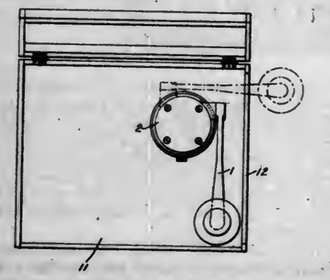
1. The combination with an electrical apparatus of a cooling pipe in the form of a vertical spiral coil, disposed in thermally conducting relation with said apparatus, means for admitting a cooling liquid to said pipe to flow downwardly therein in a current only partially filling the pipe, and means for admitting a current of air to flow through said pipe in contact with said liquid.

1,483,443. ENVELOPE. GEORGE FRANCIS HOGAN, Chicago, Ill. Filed June 14, 1922. Serial No. 568,121. 3 Claims. (Cl. 225—22.)



1. A triangular envelope of paper comprising a triangular front wall having wings extending from the lateral edges thereof, these wings being substantially in the form of triangles with their apices cut off at an angle, and being adapted to be folded back upon the front wall with their free lateral edges lying substantially parallel and in overlapping relation, sealing means for holding these edges of the wings together, a flap projecting from the base margin of the front wall adapted to be folded over the margin and sealing means on the flap to hold it to the overlapping wings whereby to seal the envelope.

1,483,444. TELEGRAPH KEY. SAMUEL C. HOEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,707. 10 Claims. (Cl. 178—103.)



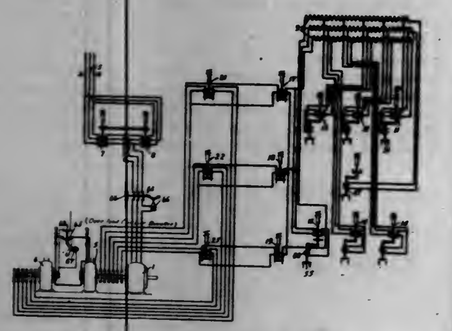
1. A telegraph key comprising an actuating lever and a rotatable base member, and two collector members mounted on said base and two stationary contact members adapted to engage said collector members, co-operating collector members and contact members being continuously in engagement for all positions of said base member.

1,483,445. COTTON-SQUARE PICKER. RUDD T. HOLTON, Hugo, Okla. Filed Sept. 16, 1922. Serial No. 588,652. 2 Claims. (Cl. 294—61.)



1. A gathering device of the class described including a shank, a plate mounted on one end of the shank, a plurality of parallel spikes extending from the plate, a cleaning device including a pair of legs piercing the plate and movable therethrough and a cleaning frame mounted on the bottom ends of the legs including a pair of U-shaped members extending above the spikes and disposed at a plane at right angles to the plane in which are disposed said legs.

1,483,446. ELECTRICAL SYSTEM. GEORGE W. HUEY, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 8, 1917. Serial No. 173,444. 6 Claims. (Cl. 172—274.)



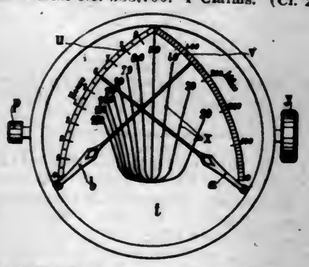
1. In an electrical system, the combination with a direct-current electric motor, an alternating-current motor mechanically connected thereto and a rotary converter electrically connected to said direct-current motor, of means for successively effecting the acceleration of said alternating-current motor and the connection of its secondary winding to said rotary converter, and means for preventing the connection of said windings when the field of said motor is excited.

5. In an electrical system, the combination with an alternating-current motor having a primary winding and a secondary winding, of controlling means therefor comprising a master switch that is operable to successive positions for respectively closing the circuits of said secondary winding and said primary winding and operable in the reverse direction for successively opening said circuits in the reverse order.

1,483,447. AZO DYESTUFF. JOHANN HUISMANN, Wiesdorf, near Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne on-the-Rhine, Germany. Filed Mar. 15, 1923. Serial No. 625,422. 2 Claims. (Cl. 260—44.)

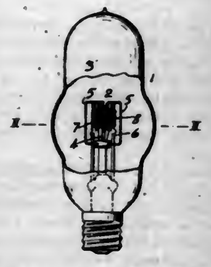
1. The herein described new azodyestuffs which are after being dried and pulverized in the shape of their alkali metal salts dark powders soluble in water generally with a red coloration, soluble in concentrated sulfuric acid generally with a violet coloration; yielding upon reduction with stannous chlorid and hydrochloric acid orthosulfonic acids of aromatic amino-thiazole compounds and amino ureas containing the radicle of a 2.6-diamino-5-naphthol-7-sulfonic acid compound and the radicle of a para-aryldiamine; dying cotton pure red shades distinguished by their good fastness to water and light, substantially as described.

1,483,448. INDICATING DEVICE FOR AVERAGE SPEEDS. EDMOND JAEGER, Paris, France. Filed June 12, 1920. Serial No. 388,700. 4 Claims. (Cl. 235—61.)



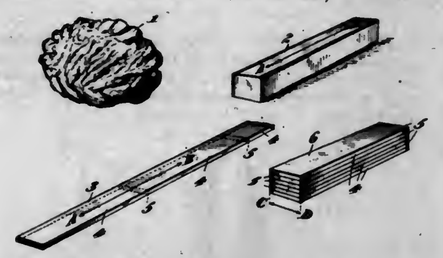
1. In an indicating apparatus comprising two needles each rotating about a different axis and arranged to cross on a graphic chart, means to set one of the needles in rotation proportionally to the time, means to actuate the other needle proportionally to the distance traversed, means to interrupt the movement of the time indicating needle during the stoppages of the distance indicating needle, the arrangement of the needles being such that the point of intersection of the needles indicates thereon a value proportional to the ratio between the angular displacements of the two needles for the purpose of obtaining an indicator of average speed stops excluded.

1,483,449. ELECTRIC LAMP FOR PROJECTION APPARATUS. BERNAYS JOHNSON, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Sept. 15, 1921. Serial No. 500,918. 2 Claims. (Cl. 176—40.)



1. An electric lamp having a filament comprising a plurality of coiled sections of substantially equal length, said sections being disposed in two planes which meet to form a V, the sections in each side of the V being parallel to the meeting line and disposed behind and overlapping one another, and a coiled section at the meeting line also arranged parallel to the other sections and overlapping the sections immediately adjacent thereto, the said sections being spaced from each other a sufficient distance to avoid arcing therebetween.

1,483,450. MAKING IRON AND TUBES. EDWARD F. KENNEY, Philadelphia, Pa. Filed Feb. 21, 1923. Serial No. 620,458. 6 Claims. (Cl. 80—62.)



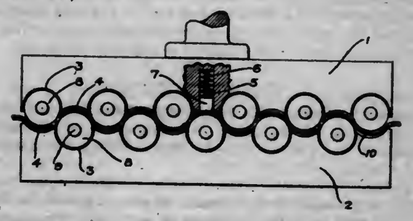
6. The method of forming a tube which consists in taking a heated ball or loup of wrought iron intermingled with slag and oxides, forging and compressing the same to a bloom of approximately rectangular cross section, then rolling said bloom longitudinally, thereby producing a muck bar, then cutting said muck bar into predetermined lengths and placing said lengths together to form a pile, then heating said pile, and rolling it in a direction transverse to the previous direction, thereby forming a wider bar, then transversely cutting strips of predetermined width therefrom, then placing said strips together to form a pile, then heating said pile and rolling the same longitudinally to form a tube skelp, then bending said skelp with its longitudinal edges overlapping, then heating it to welding temperature, and then welding said edges together in welding rolls or otherwise to form a tube.

1,483,451. IRON AND TUBE MAKING. EDWARD F. KENNEY, Bethlehem, Pa. Filed July 11, 1923. Serial No. 650,776. 6 Claims. (Cl. 80—62.)



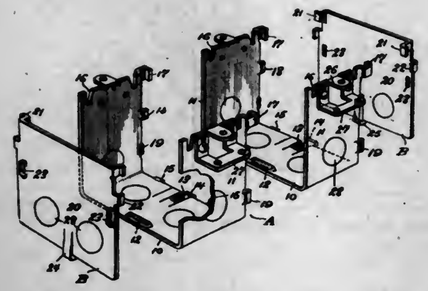
1. The method of making wrought iron which consists in first forming a heated ball thereof, then compressing the same laterally while extending it longitudinally, thereby forming a bloom, then reducing the cross-section of said bloom while extending it laterally thereby forming a plate, then cutting said plate transversely into sections and placing said sections together to form a pile, then heating said pile and reducing its cross-section while extending it longitudinally in a direction different from the first extension, thereby forming a plate or skelp.

1,483,452. MOLDING. JOHN J. KEYES, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,109. 7 Claims. (Cl. 154—30.)



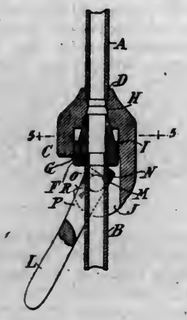
1. A mold comprising a pair of co-operating platens having a plurality of alternate deep and shallow grooves formed therein and a plurality of rotatable dies mounted in said deep grooves to co-operate with said shallow grooves.

1,483,453. OUTLET BOX. HOMER G. KNODERER, Englewood, N. J., assignor to General Electric Company, a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,497. 3 Claims. (Cl. 247—16.)



1. A gang outlet box comprising end members which are alike in structure, and body members which are alike in structure, said end members having hooks at their upper corners and said body member having notches at its upper corners at both ends and hooks on its upper corners at one end, the hooks on both the end members and the body members being adapted to engage the notches in the body members, and means for fastening the end members and body members together at their lower edges.

1,483,454. PIPE COUPLING. HENRY P. KRAFT, Ridgewood, N. J. Filed May 10, 1920. Serial No. 380,025. 7 Claims. (Cl. 285—181.)

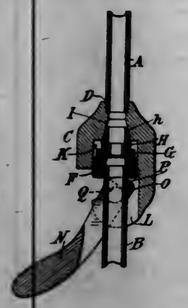


1. A coupling of the type described comprising a seat, a part adapted to contact with said seat, a pipe connected to said part, arms separated to permit the passage of such pipe and part longitudinally between the same, and a lever pivoted to said arms and adapted to act directly against said part to force it to said seat.

1,483,455. PIPE COUPLING. HENRY P. KRAFT, Ridgewood, N. J. Filed Aug. 3, 1921. Serial No. 489,445. 6 Claims. (Cl. 285—181.)

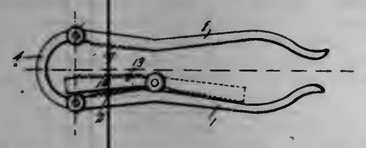
1. A coupling of the type described comprising two sections, one provided with a seat and the other with a head adapted to contact with said seat, said seat and head having non-compressible seating faces, a lever as-

sociated with one of said sections and operable to engage the other section to force the head and seat into locking



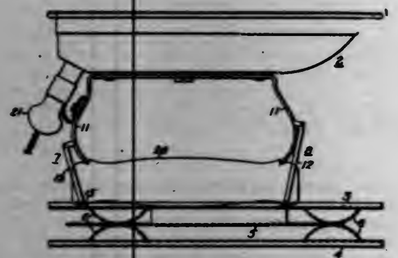
contact, one of said sections being adjustable to compensate for wear on the lever and the engaging surface on the section.

1,483,456. CRACKING DEVICE. JACOBUS PIET HENRI KROON, Amsterdam, Netherlands. Filed Apr. 22, 1922. Serial No. 556,010. 2 Claims. (Cl. 146—13.)



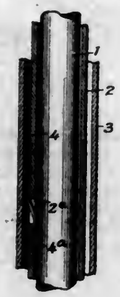
1. A cracking device, comprising two coordinate, relatively movable handles having coacting gripping surfaces, a coupling member connecting said handles and to the ends of which the handles are separately pivoted at their inner ends; said coupling member being bowed outwardly, away from the handles in the direction of the longitudinal axis of the cracking device, to an extent such that the article to be cracked may be brought so far between the coacting gripping surfaces that its point projects beyond an imaginary straight line connecting the centres of pivotal movement of said handles, and an auxiliary member pivoted to one handle and provided at one side with a gripping surface; said auxiliary member being movable between an inoperative position and an operative position in which its gripping surface is adapted to coact with the gripping surface on the other handle.

1,483,457. STAND FOR TRAVELER'S IRON. HENRY KRUESHELD, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Jan. 20, 1920. Serial No. 352,717. 7 Claims. (Cl. 68—27.)



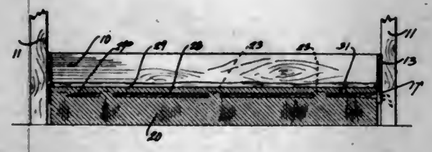
1. The combination with a stand adapted to support a sad iron in normal upright position, of a plurality of members of substantially U-shape pivotally mounted on said stand for holding the iron in an inverted position on the stand.

1,483,458. STEERING GEAR. ARTHUR H. KUMMER, La Fayette, Ind., assignor to The Ross Gear and Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed Nov. 9, 1921. Serial No. 513,952. 13 Claims. (Cl. 74—39.)



1. In a steering gear control member concentrically arranged; and anti-rattling devices each having a shank and a bowed spring portion separate from and interposed between said members to prevent rattling, said devices passing through holes in the intermediate control member.

1,483,459. METHOD FOR FORMATION AND STORAGE OF ICE. HORATIO G. LANE, Whiteball, N. Y. Filed Mar. 21, 1922. Serial No. 545,511. 4 Claims. (Cl. 62—172.)

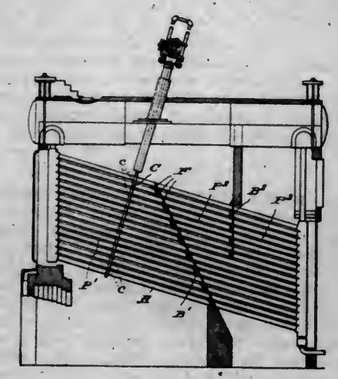


4. That method of forming ice in an atmosphere of freezing temperature, which consists in the formation of a layer of ice, flooding the surface thereof to provide a film of water thereon, disposing supporting members upon said surface so that the film of water when frozen will bind said supporting members to said layer, again flooding the surface of said layer with a body of water to cover said supporting members, permitting said body of water to freeze to a depth just below the tops of said supporting members to a point just above the top of said first mentioned layer of ice to provide an auxiliary layer of ice supported by said supporting members, permitting the water intermediate said first mentioned layer of ice and said auxiliary layer to drain to provide an air space intermediate said first mentioned layer of ice and said auxiliary layer of ice, and augmenting the auxiliary layer of ice to provide a second layer of ice of a required thickness.

1,483,460. COMBINED TUBE SYSTEM AND CLEANER. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Dubois, Pa. Filed Oct. 9, 1920. Serial No. 415,786. 3 Claims. (Cl. 122—392.)

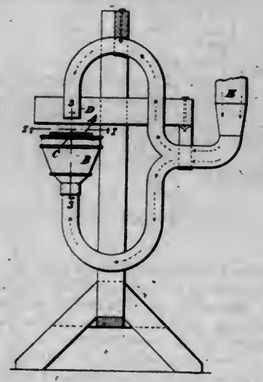
1. In combination, a tube system having a baffle therein, a compressed fluid cleaning element adapted to blow jets of fluid into the intervals in said tube system, and a baffle protector between said cleaning element and said baffle, said cleaner element being rotary, said protector

being adapted to receive the impingement of the pets in that part of the movement of the element where they



blow substantially perpendicularly to said baffle, and said protector comprising an angle bar confined between rows of tubes.

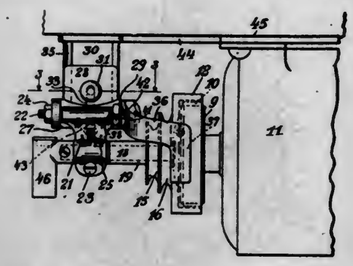
1,483,461. HEAT TREATMENT OF GLASS ARTICLES. JESSE T. LITTLETON, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed July 19, 1921. Serial No. 485,865. 2 Claims. (Cl. 49—89.)



2. The hereinbefore described method of heat treatment of pressed glass articles to increase their thermal and mechanical endurance which consists in heating the article after pressing to equalize the temperature of different parts thereof, and in then rapidly uniformly cooling the article from a substantially uniform temperature above the annealing temperature of the glass of which it is composed by high velocity air jets directed on substantially the entire surfaec of the article.

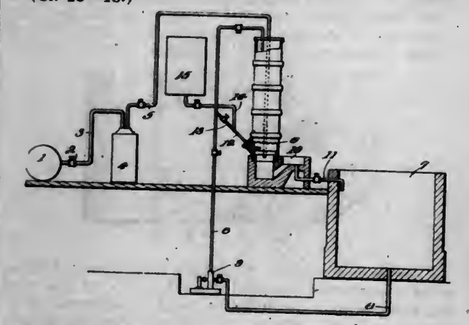
1,483,462. POWER-TRANSMITTING MECHANISM. MICHAEL MCCANN, Glenmore, N. Y., assignor to Frederick Osann Company, a Corporation of New York. Filed June 8, 1922. Serial No. 566,783. 4 Claims. (Cl. 192—4.)

1. A self contained unitary power transmitting mechanism comprising in combination a base, a motor secured thereto, a driving wheel operated by said motor, a driving unit adapted to be operated by said driving wheel, a hanger for supporting said unit, a yoke for pivotally supporting said hanger, means for adjustably supporting said yoke on the said base, means carried by said yoke for automatically normally maintaining said hanger and



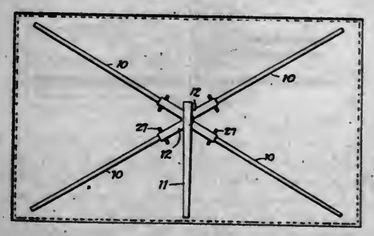
driving unit in non-operative relation with said driving wheel and means for operatively engaging said driving wheel and unit.

1,483,463. MAKING BLEACHING LIQUOR AND APPARATUS THEREFOR. JOHN R. MACMILLAN, La Salle, N. Y., assignor to Electro Bleaching Gas Company, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1921. Serial No. 519,417. 3 Claims. (Cl. 23—13.)



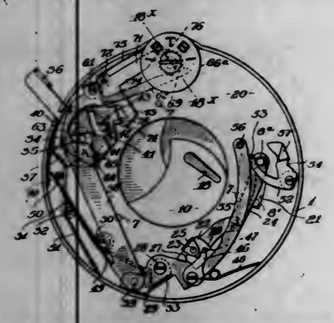
3. In an apparatus for making bleaching liquor, a source of chlorin gas, a vertical reaction tower, chlorin connections near its base, a receiving tank for alkaline liquor, means for circulating the liquor to the top of the tower and back to the tank and a connection for delivering additional alkaline liquor to the tower near the point of chlorin introduction.

1,483,464. NOSE IRON FOR SCALES. JOSEPH JOHN MAGRADY, Chicago, Ill. Filed July 2, 1923. Serial No. 649,065. 4 Claims. (Cl. 285—71.)



1. A double nose iron of the type and for the purpose described consisting of a pair of lever engaging members hingedly connected at one end, and a pivot supporting member held on the nose iron in line with the axis of adjusting movement of said socket members.

1,483,465. PHOTOGRAPHIC SHUTTER. PAUL J. MARKS, Rochester, N. Y. Filed Dec. 29, 1919. Serial No. 348,179. 33 Claims. (Cl. 95—63.)



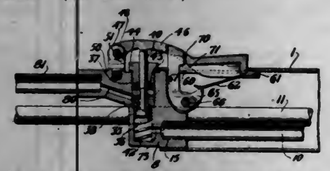
1. In a shutter, the combination of a casing having an aperture therethrough, two sets of blades movable in said casing to open and close said aperture, each set of said blades being adapted to close the aperture independently of the other set, and means for moving said blades.

1,483,466. SCENERY-FORMING PAPER AND METHOD OF PREPARING SAME. CONRAD B. MAURER and HOWARD P. MAURER, Philadelphia, Pa. Filed Feb. 2, 1923. Serial No. 616,473. 5 Claims. (Cl. 41—26.)



1. As a new article of manufacture scenery-forming paper manufactured in roll form for sale by the yard and adapted to be crumpled by hand to represent snow-capped mountain scenery, said paper being sufficiently pliable to permit crumpling without cracking and yet stiff enough to retain a fashioned position without the employment of braces and the like.

1,483,467. CUTTING BLOWPIPE. ELOF H. MEDÉN, Short Hills, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 18, 1920. Serial No. 366,833. 10 Claims. (Cl. 158—27.4.)



1. In a cutting blow pipe or torch having a handle and conduits for conveying the gases to the tip of the blow pipe, the combination of a valve body situated at one end of the handle, a valve situated in said valve body exteriorly of the said handle which valve controls the passage of gas through one of said conduits, means situated exteriorly of the said handle, and in adjacent relation thereto, for actuating the said valve, and means supported within said handle and adapted to engage the said valve actuating means and hold it in position to retain the valve in open position.

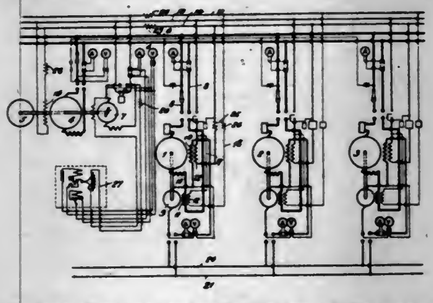
1,483,468. BASIC REFRACTORY AND PROCESS OF MAKING SAME. ALBERT P. MEYER, Pittsburgh, Pa., assignor to Allen S. Davison Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,764. 11 Claims. (Cl. 106—9.)

1. As a new basic refractory, an aggregation of hard, dense, angular individually fired granules of uniform nature and standardized composition, such granules being composed of a basic magnesian refractory containing enough intimately distributed fluxing material to permit bonding at open hearth furnace temperatures.

1,483,469. BASIC REFRACTORY AND PROCESS OF MAKING SAME. ALBERT P. MEYER, Pittsburgh, Pa., assignor to Allen S. Davison Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,765. 5 Claims. (Cl. 106—9.)

1. As a new basic refractory for open hearth furnaces, a granular aggregation of sharp edged, flat faced, hard, dense individually fired granules of a mixture of dolomite and bonding agent, the several granules being of uniform composition and the amount of bonding agent being sufficient to permit bonding of the granules at the temperatures of an open hearth furnace.

1,483,470. EQUALIZING SPEEDS OF MOTOR DRIVES. ADOLPH J. F. MONTABONE, Montreal, Quebec, Canada, assignor to General Electric Company, a Corporation of New York. Filed July 6, 1921. Serial No. 482,726. 9 Claims. (Cl. 172—293.)



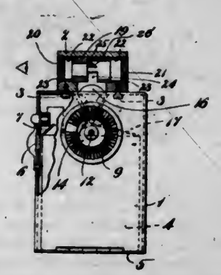
1. In a direct current motor system of the kind described, the means for maintaining the fixed relative speed of a plurality of electrically connected driving motors which are adjusted or adapted to run at varying speeds, comprising the combination with each of said motors of a machine capable of running either as a motor or as a generator and mechanically connected to its respective motor, supplemental field coils for all of the motors, connected with the armature circuits of said machines, and means for adjusting the said motors and said machines in the manner set forth.

1,483,471. TOOL FOR OPERATING UPON INSOLES USED IN BOOTS AND SHOES. JACOB R. NAUGLE, Carlisle, Pa. Filed Oct. 19, 1921. Serial No. 508,724. 1 Claim. (Cl. 12—40.)



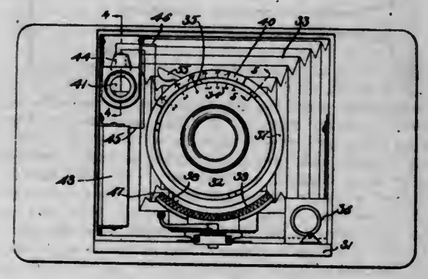
A tool for operating upon insoles including in combination a pair of main blades, a pair of angularly extending blades associated with the main blades for slitting the outer lip of an insole, one angularly extending blade formed on each main blade, said main blades being situated in the same plane with each other and said angularly extending blades being situated so as to converge toward each other, and a third blade for slitting the inner lip of the insole situated so as to have its edge adjacent the converging ends of the angularly extending blades.

1,483,472. METHOD AND MEANS FOR DETERMINING LIGHT INTENSITIES. FREDERICK H. NORTON, Hampton, Va. Filed May 26, 1921. Serial No. 472,842. 7 Claims. (Cl. 88—23.)



1. The method of ascertaining the illumination of an object field which comprises determining the visibility point of an adjustable variable illuminant comparing the illumination of the object field therewith and noting the amount of adjustment required to bring the variable illumination from its visibility point to an adjustment in which it equals the illumination of the object field.

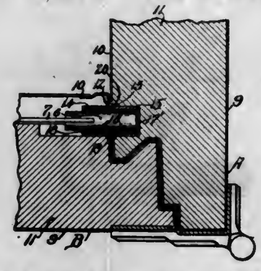
1,483,473. METHOD AND APPARATUS FOR DETERMINING PHOTOGRAPHIC EXPOSURES. FREDERICK H. NORTON, Hampton, Va. Original application filed May 26, 1921, Serial No. 472,842. Divided and this application filed Mar. 3, 1922. Serial No. 540,755. 10 Claims. (Cl. 95—10.)



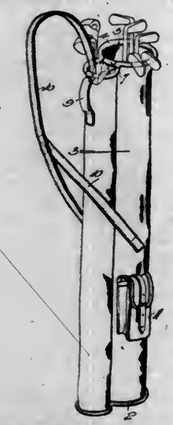
1. The method of determining the exposure of a sensitive element which comprises comparing a variable illumination with the illumination to which said element is to be exposed, and conjunctively adjusting the light opening through which said element is to be exposed and the variable illumination so that the proper exposure is indicated for any opening adjustment.

1,483,474. BOLT AND SOCKET CONSTRUCTION. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Jan. 28, 1922. Serial No. 532,445. 14 Claims. (Cl. 109—2.)

1. In a safe having a sheet metal wall provided with a bolt opening therein, a bolt socket abutting one side of said wall around said opening, and a bushing fitting in said socket, the bushing extending through said opening and overlapping the other side of said wall around the opening.

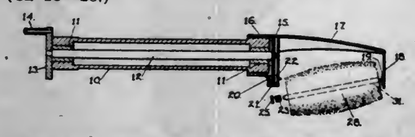


1,483,475. GOLF-CLUB BAG. RODNEY BALDWIN OSTERHOUDT, Kingston, N. Y. Filed Apr. 5, 1923. Serial No. 630,133. 3 Claims. (Cl. 150—1.5.)



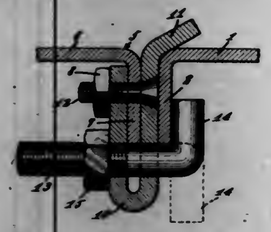
1. A golf bag comprising a top frame in the form of an 8, a bottom having the same outline as said top frame, and a flexible side wall attached at its ends to said frame and bottom, the opposed portions of said wall in line with the contracted portions of said frame and bottom being connected with each other, dividing the bag into two separate containers for wood and metal clubs.

1,483,476. TOOTHBRUSH. FRED J. PARKER, Yorkton, Saskatchewan, Canada, assignor of two-fifths to Thomas Ferguson Acheson, Yorkton, Saskatchewan, Canada. Filed Apr. 18, 1922. Serial No. 554,372. 3 Claims. (Cl. 15—25.)



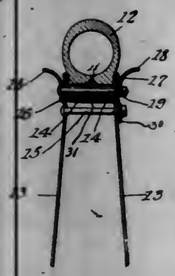
1. A rotary tooth brush comprising a handle, a guard mounted upon one end thereof and formed to provide a housing, a shaft journaled longitudinally of the handle and provided with means whereby to be rotated, a gear on said shaft within said housing, a short shaft within the housing carrying a pinion meshing with said gear, a brush head carried by a spindle having one end removably mounted in the guard, and means for connecting the other end of the spindle with said short shaft.

1,483,477. EXTENSION-WHEEL-RIM CONNECTER. HERSCHEL P. PATHEAL, Greenville, Ill. Filed Feb. 15, 1923. Serial No. 619,179. 2 Claims. (Cl. 301—39.)



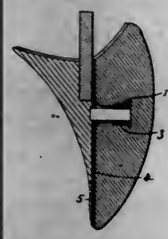
1. An extension wheel rim connecter comprising a U-shaped clip formed of a strip of flat metal with one end extended beyond the other and bent obliquely outward to form a wheel rim engaging member, means for connecting the legs of said clip to the flange of the extension rim to be connected and means carried by the clip to cooperate with said obliquely extending end for detachably securing the clip to a wheel rim.

1,483,478. WHEEL. LOUIS J. PERKINS, Lewiston, Idaho. Filed Sept. 21, 1921. Serial No. 502,098. 1 Claim. (Cl. 301—63.)



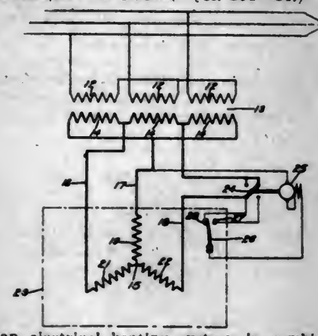
A separable wheel comprising opposed members, each of said opposed members including a pair of inwardly extending circular flanges, the inner edges of the flanges of one member being formed with grooves, the inner edges of the opposite flanges being formed with tongues to fit within the grooves, and means disposed between the flanges of the members for holding the members in their active positions.

1,483,479. ARTIFICIAL TOOTH. BENVENUTO PLATSCHICK, Paris, France. Filed Feb. 21, 1923. Serial No. 620,518. 1 Claim. (Cl. 32—9.)



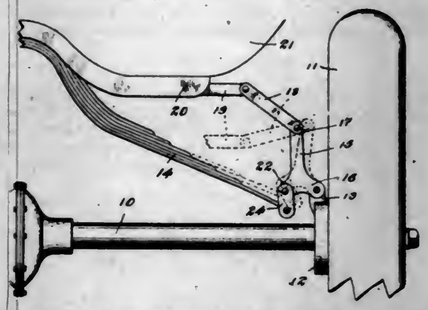
Process for making an artificial tooth having rings embedded in the porcelain body of the tooth before baking, and anchors soldered to the said rings, characterized by the fact that the back of the tooth is flattened through milling after the rings have been inserted and after baking, but before the anchors are attached.

1,483,480. ELECTRIC-FURNACE CONTROL SYSTEM. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,513. 6 Claims. (Cl. 204—64.)



1. In an electrical heating system, in combination, a three-phase transformer secondary, a plurality of substantially equal star-connected resistor sections, conductors for connecting the free ends of said resistor sections to said transformer secondary, and thermally actuated means operatively connected in one of said conductors for interrupting the circuit therethrough.

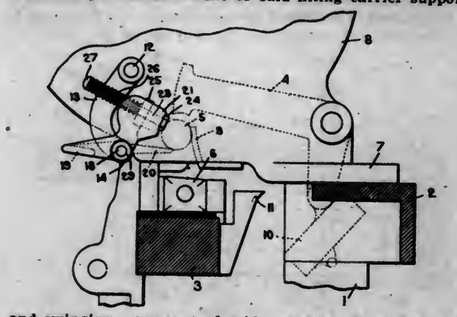
1,483,481. SHOCK ABSORBER. JOHN J. REYNOLDS, Gifford, Ill. Filed May 11, 1921. Serial No. 468,522. 1 Claim. (Cl. 267—19.)



In a device of the character described, an axle element, a body, a spring mounted upon the body, and having a flexing outer part, a lever having a lower portion mounted upon the axle and having a long arm extended upwardly therefrom a distance so that the lever will have its principal movement in a horizontal direction, a link pivotally connected to the upper end of the lever and pivotally connected to the body, and extending diagonally to the lever, said lever having a lateral extension at its lower part, said spring being hung from said extension for the purposes described.

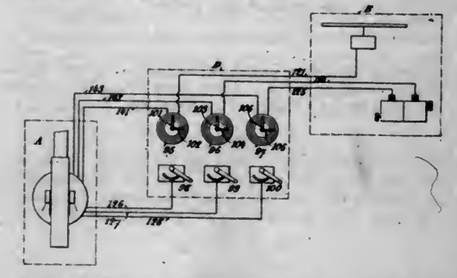
1,483,482. FILLING-CARRIER SUPPORT FOR AUTOMATIC FILLING REPLENISHING LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 19, 1922. Serial No. 595,546. 3 Claims. (Cl. 139—251.)

1. In an automatic filling replenishing loom comprising a hopper plate having a laterally extending lug, transferring mechanism, and means for arresting the filling carriers in said hopper successively in transferring position, a swinging arm, a filling carrier support pivotally mounted on said swinging arm having an upwardly extending member and a resilient device acting upon the upwardly extending member normally to hold it in contact with said lug and thereby position the support beneath the filling carrier which is positioned for transfer and adapted to permit both pivotal movement of said filling carrier support



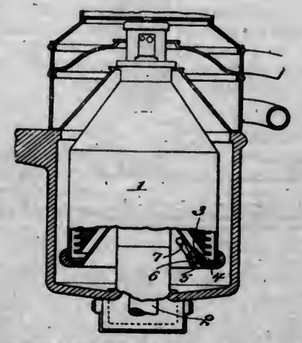
and swinging movement of said arm when the filling carrier support is engaged by the filling carrier being transferred.

1,483,483. DISTANT-CONTROL INSTALLATION FOR ANTIAIRCRAFT ARTILLERY. EMILE RIMAILHO, Paris, France, assignor to The Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France, French Company. Filed Oct. 9, 1923. Serial No. 667,580. 7 Claims. (Cl. 89—41.)



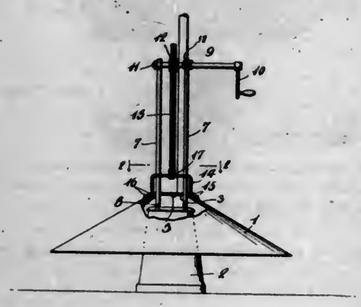
2. In a system of pointing or aiming at a distance for artillery, the combination of means for tracing over a plane surface, on a given scale, the course or travel of the target as the same is travelled over, and of means for forming on the same plane surface according to the tangent at the end of this tracing a rectilinear extension representing, on the same scale, the course the target is supposed to be travelling over while the projectile is moving in order to reach the same.

1,483,484. ATTACHMENT FOR SEPARATORS. LEIGH RUBERT, Forestburg, S. Dak. Filed May 5, 1923. Serial No. 636,936. 1 Claim. (Cl. 233—20.)



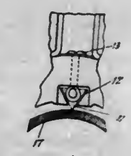
In combination with a bowl of a centrifugal apparatus, a drain in the bottom thereof, a valve in the drain and a weight connected with the valve for holding the same open but closing the valve under the action of centrifugal force when the bowl is rotated.

1,483,485. ELEVATING MEANS FOR HOVERS. HENRY F. SCHULTZ, Fairmont, Minn. Filed Apr. 19, 1923. Serial No. 633,225. 2 Claims. (Cl. 119—32.)



2. A device of the character described comprising in combination with a heater and a hover engaged thereover having a central opening in the same, oppositely disposed uprights fixedly secured at their lower ends to the top of said heater and passing through the opening in said hover, a horizontally positioned shaft rotatably supported in bearings upon the upper ends of said uprights, a crank handle secured to one end of said shaft, a sprocket wheel fixedly mounted on that portion of the shaft intermediate of said uprights, a sprocket chain engaged at one end to said sprocket wheel, and a substantially U shaped bracket connected to the upper side of said hover and extending over the central opening therein having spaced openings therein for slidably receiving said uprights therethrough, the free end of said sprocket chain having connection with the intermediate portion of said bracket.

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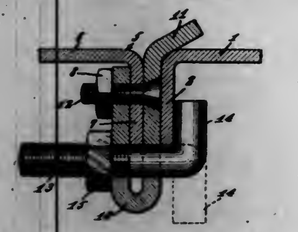


In a pipe wrench, a jaw having a concave inner face, a tooth projecting from said face, said tooth being triangular in transverse section and fitting loosely within an opening in said jaw of larger gauge than said tooth, and cotter pins in said jaw extending over each end of said tooth to prevent removal of said tooth in the operation of said wrench.

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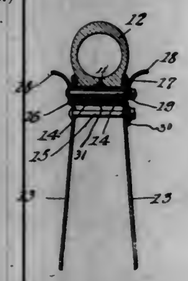
1. In a roller drill, a head, a cutter pin thereon, a bushing fitting over the end of said pin, a rotatable

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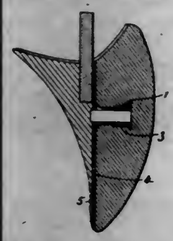
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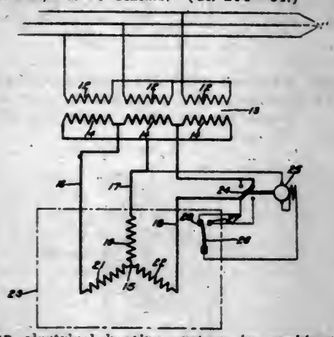
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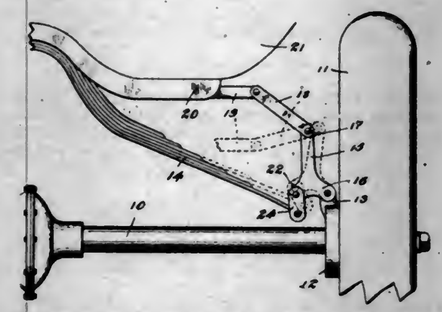
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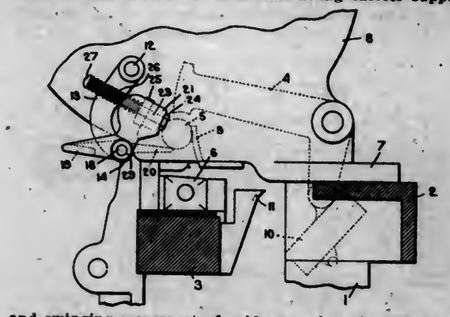
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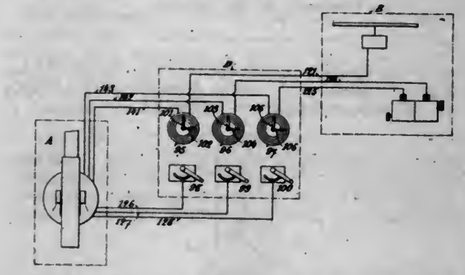
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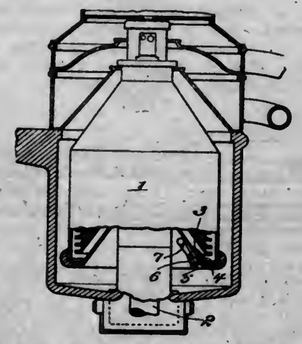
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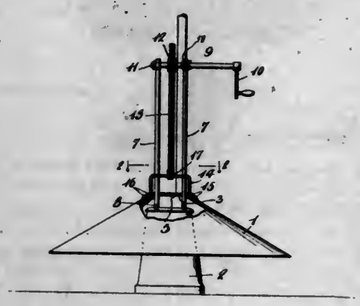
2. In a system of pointing or aiming at a distance for artillery, the combination of means for tracing over a plane surface, on a given scale, the course or travel of the target as the same is travelled over, and of means for forming on the same plane surface according to the tangent at the end of this tracing a rectilinear extension representing, on the same scale, the course the target is supposed to be travelling over while the projectile is moving in order to reach the same.

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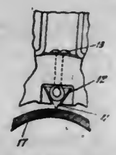
In combination with a bowl of a centrifugal apparatus, a drain in the bottom thereof, a valve in the drain and a weight connected with the valve for holding the same open but closing the valve under the action of centrifugal force when the bowl is rotated.

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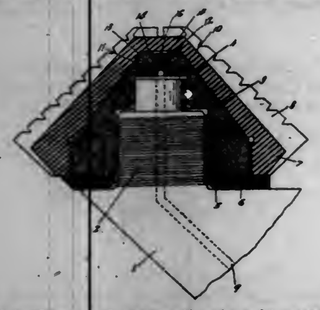


In a pipe wrench, a jaw having a concave inner face, a tooth projecting from said face, said tooth being triangular in transverse section and fitting loosely within an opening in said jaw of larger gauge than said tooth, and cotter pins in said jaw extending over each end of said tooth to prevent removal of said tooth in the operation of said wrench.

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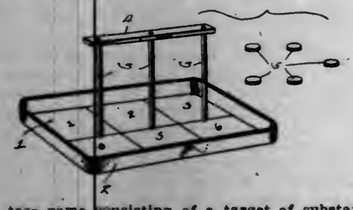
1. In a roller drill, a head, a cutter pin thereon, a bushing fitting over the end of said pin, a rotatable

cutter on said bushing, a cylindrical recess in the end of said bushing, an oil duct through said head, said pin,



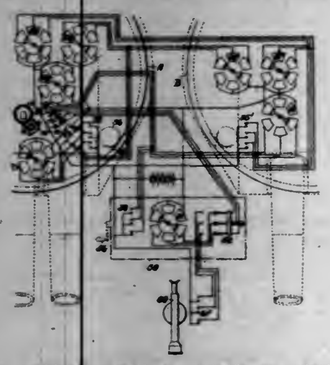
and said bushing, and terminating in said recess, a valve plate in said recess and means to hold said plate resiliently over the end of said duct.

1,483,488. GAME. HANS SKREBERG, Big Bend Township, Chippewa County, Minn. Filed Sept. 27, 1920. Serial No. 413,230. 2 Claims. (Cl. 46—59.)



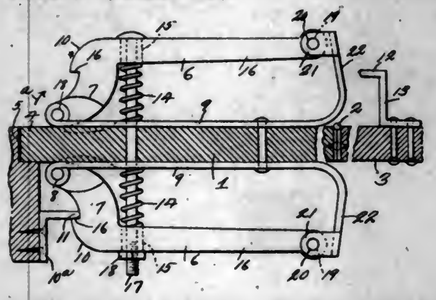
1. A toss game consisting of a target of substantially rectangular shape, a plurality of playing disks, an upstanding retaining fence surrounding the target and adapted to prevent the playing disks from leaving the target, a barrier consisting of a plurality of vertical members rising from the longitudinal center line of the target, and a cross bar connecting the tops of said members and providing an elevated disk rest.

1,483,489. SIGNALING SYSTEM FOR WARSHIPS. ELMER A. SPERRY and ELEMER MEITNER, Brooklyn, N. Y., assignors to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed May 20, 1918. Serial No. 235,449. 8 Claims. (Cl. 177—351.)



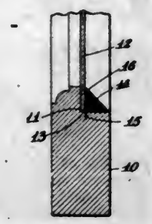
1. The combination with a rotatable gun platform, of a sighting instrument mounted therein, a transmitter for sending to a distance the bearing of said instrument, and means actuated by the rotation of the platform, said transmitter being differentially connected to said instrument and said means.

1,483,490. DOOR LATCH. HERMAN STETTNER, Hampton, Nebr. Filed Jan. 23, 1923. Serial No. 614,408. 2 Claims. (Cl. 292—128.)



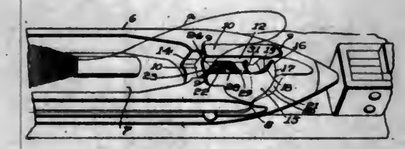
2. The combination with a door latching device, said latching device comprising angularly shaped levers having one of their arms pivotally connected to the door, spring means for normally forcing said levers outwardly and to latching position, a bolt connecting said levers, shoulders carried by the levers and cooperating with brackets for holding the door in closed or open position, of arms extending outwardly from the door, said arms being provided with apertured ears registering with apertures in the free ends of the levers.

1,483,491. WINDOW-GLASS MOUNTING. FRANK STILLWELL, Brooklyn, N. Y. Filed June 28, 1922. Serial No. 571,449. 4 Claims. (Cl. 85—15.)



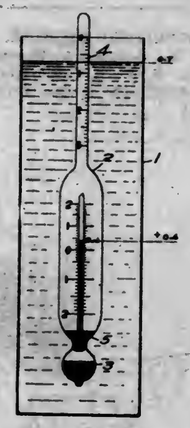
1. A device of the class described comprising a strip of sheet metal provided at one side edge with spaced prongs and at the opposite side edge with spaced independent members, all portions of the strip lying in the same plane, and said spaced members being adapted to be bent at an angle to the remainder of the strip in the use thereof.

1,483,492. AUTOMATICALLY-THREADING SHUTTLE FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 2, 1922. Serial No. 604,480. 15 Claims. (Cl. 139—223.)



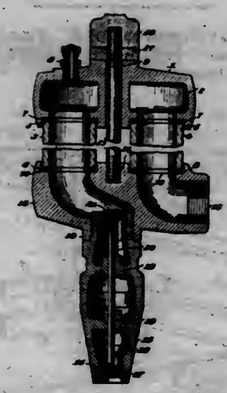
2. An automatically threading loom shuttle having a thread passage extending longitudinally thereof, a side delivery eye, and a thread casting scroll having a portion extending upwardly, laterally, and frontwardly from a point adjacent the bobbin chamber for casting the thread passage on the occurrence of an overthrow of the thread.

1,483,493. HYDROMETER. HOWARD L. TIGER, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a Corporation of Delaware. Filed June 2, 1923. Serial No. 642,980. 2 Claims. (Cl. 265—46.)



1. A temperature correcting hydrometer for determining the density of hot boiler salines, such hydrometer having a stem graduated in density degrees for a particular temperature and carrying a thermometric device graduated in temperature corrections in terms of density to be applied to the density indicated on said stem.

1,483,494. VISIBLE DISPLAY ATTACHMENT FOR MEASURING PUMPS. WILLIAM S. TOWNSEND and FRANK E. DOUGLASS, Rochester, Pa. Filed Nov. 14, 1923. Serial No. 674,769. 7 Claims. (Cl. 221—67.)



1. A visible display container for pumps, comprising a pair of parallel transparent tubes connected at their upper ends for through passage of the liquid, and a base for the lower open ends of the tubes; said base having a pump supply inlet port opening into the lower end of one of the tubes and an outlet or discharge communicating with the lower end of the other of said tubes, whereby the liquid will be forced by the pump up through one tube and down the other one to the outlet to exhibit same.

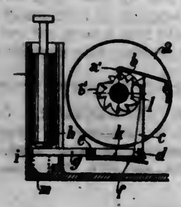
2. A visible display container for pumps, comprising a pair of parallel transparent tubes connected at their upper ends for through passage of the liquid, a base for the lower open ends of the tubes; said base having a pump supply inlet port opening into the lower end of one of said tubes and an outlet or discharge communicating with the lower end of the other of said tubes, and a discharge spout or nozzle leading from said outlet or discharge port and having a restricted area acting to hold the liquid in the two tubes for exhibition purposes.

1,483,495. WOOL-COMBING IMPLEMENT. JOHN VIRHOFF, Lundbreck, Alberta, Canada. Filed Sept. 15, 1922. Serial No. 588,423. 3 Claims. (Cl. 19—115.)



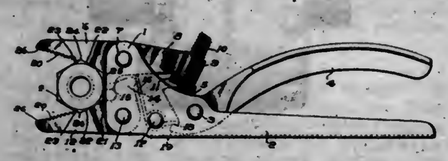
2. A comb comprising a body element, a frame pivoted therein, means for adjusting said frame on its pivoted axis, a tooth carrying element pivoted to said frame, and a longitudinally adjustable link connected at one end to said body element, and at its opposite end to said tooth carrying element at a point removed from the point of connection of said tooth carrying element to said frame.

1,483,496. ZERO-SETTING DEVICE FOR REGISTERS. CHARLES TORRES WEYMANN, Paris, France, assignor to Société des Etablissements Ed. Jaeger, Paris, France. Filed Apr. 4, 1922. Serial No. 549,514. 3 Claims. (Cl. 235—144.)



1. A zero setting device for registers including a shaft, a plurality of digit bearing drums mounted on said shaft, a ratchet arranged with each drum and rigidly attached to the succeeding drum, one of the teeth of each of said ratchets being removed, pawls for cooperating with the mutilated portion of each of said ratchets, a common pivotal axis for said pawls, a forked-shaped lever pivotally mounted on the base of the register and carrying between its arms the common axis of the pawls, and means for oscillating said lever.

1,483,497. WRENCH. ARTHUR J. WHITFIELD, Boston, Mass., assignor to Trimont Manufacturing Company, Roxbury, Mass., a Corporation of Maine. Filed Apr. 17, 1922. Serial No. 553,883. 3 Claims. (Cl. 81—78.)

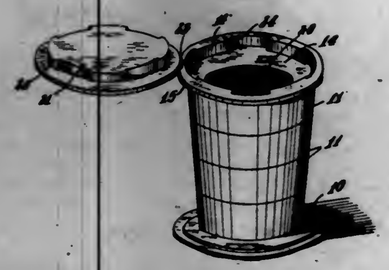


1. In a hand tool having opposing jaws for engaging the work, a head having a handle extending therefrom, a pair of pivoted cooperating jaws each having a pivot pin disposed a substantial distance from the other pivot

pin and extending through a jaw into the head for pivotally connecting the jaws to the head, each jaw provided with a toothed portion and a nut receiving notch disposed between the toothed portion and head to grasp and manipulate a nut having its corners seated in said notches and positioned to exert a turning torque in the direction of a pivot pin, a second handle or lever pivotally connected to the first handle, and means for imparting movement from the second handle to said jaws

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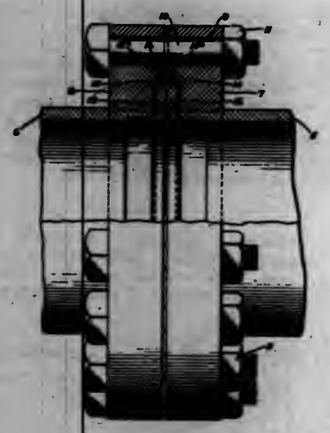
1,483,498. FILTERING DRINKING CUP. FOMA ZOLNEREVICH, Detroit, Mich. Filed Dec. 22, 1921. Serial No. 524,060. 5 Claims. (Cl. 210—163.)



1. In combination, a cup, a ring fitting in said cup, a filter member carried by said ring, and a cover hinged to said ring and adapted to frictionally engage the inner face of the cup, said ring having cut out portions through which said cover projects into engagement with the cup

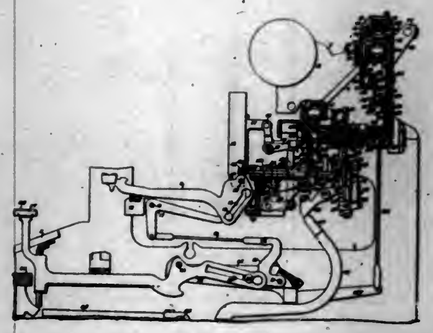
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1,483,499. PIPE CONNECTION. DAVID A. ALLEN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 29, 1921. Serial No. 496,330. 5 Claims. (Cl. 285—137.)



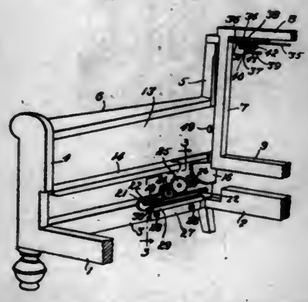
1. In a pipe coupling, flanges having opposed annular recesses in their adjacent faces, a bowed annular spring ring having its ends seated in said recesses, said annular spring ring having a mean diameter greater than the mean diameter of the annular recesses, a beveled edge in the radially outer walls of said recesses for radially compressing the ends of said annular ring as they enter said recesses and means for drawing the flanges into facial engagement.

1,483,500. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 3, 1923. Serial No. 636,369. 41 Claims. (Cl. 197—108.)



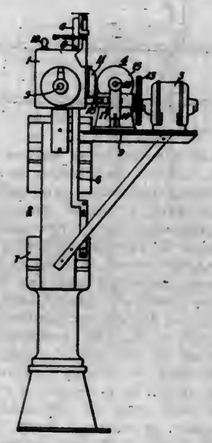
1. In a typewriting machine, the combination of a traveling carriage, printing instrumentalities, a contact device, and line lock and bell ringing mechanism operative thereby including an element movable in different directions from a single normal position, movement in one direction actuating the bell striker and movement in the other direction locking the line.

1,483,501. CONVERTIBLE SOFA. SALVADOR BARRILE, Medford, Mass. Filed Oct. 25, 1922. Serial No. 596,772. 8 Claims. (Cl. 5—38.)



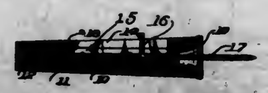
1. A convertible sofa bed having a seat, a back and ends, a slide member mounted on each of the end members of the sofa frame in such manner as to be slidable forward or back, a pivot connection between the said slide and the lower part of the back, whereby the back member is permitted to be turned down on said pivot, and means whereby when the back is turned on its pivot the said slide will be moved forward automatically and thereby bring the lower edge of the sofa back forward to meet the rear edge of the sofa seat.

1,483,502. TIMING DEVICE. ARTHUR J. BASTIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 23, 1920. Serial No. 375,992. 13 Claims. (Cl. 161—1.)



1. In a timing device, the combination with a bell, a shaft and means comprising a motor for driving said shaft at a uniform speed, of an arm turned by said shaft, an electric circuit comprising a lamp, and mechanical means actuated by said arm for ringing said bell and for opening and closing said circuit.

1,483,503. CIGAR HOLDER. ALBIN F. BOREIKO, Toledo, Ohio. Filed Oct. 18, 1921. Serial No. 508,476. 4 Claims. (Cl. 131—10.)



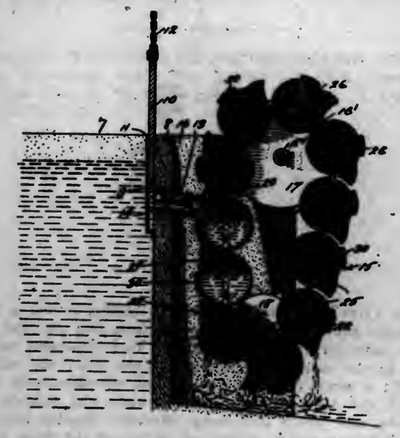
3. A cigar holder comprising a hollow body portion, means surrounding one end of the cigar and designed to engage the cigar and hold the latter positioned in the holder, a barrel rotatably fitted in said body portion, a pin movable longitudinally of the barrel and associated therewith, and means for holding the pin immovable incident to the rotation of the barrel in one direction.

1,483,504. CAR SEAL. BRUCE BORLAND, Chicago, Ill. Filed Dec. 13, 1920. Serial No. 430,263. 4 Claims. (Cl. 292—318.)



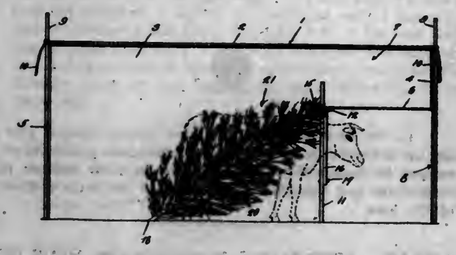
1. A seal comprising a strip having a substantially cup shaped locking head at one end with a continuous flange around the entire periphery thereof and having an upwardly raised seat in the bottom, a cap formed of a separate piece and fitting over said head, a portion only of said flange being bent down to engage with the edge of the cap to hold it securely in position, an inwardly projecting tongue on said cap and a locking tongue on the opposite end of the strip for engagement with said seat and tongue.

1,483,505. WATER-POWER DEVICE. JAMES R. BRADSHAW, Manchester, Tenn. Filed Feb. 1, 1922. Serial No. 533,331. 4 Claims. (Cl. 243—21.)



1. A water power device comprising an endless web, buckets associated therewith, each bucket consisting of a hollow cylindrical member having a portion of its curved wall removed to form a throat or inlet opening and each cylindrical member being provided with an abutment adjacent said inlet opening to engage an adjacent bucket for preventing the first named bucket being tilted by water entering the same.

1,483,506. FLY CHASER AND CATCHER. RUFUS C. BREWSTER, Lewisburg, W. Va. Filed July 20, 1923. Serial No. 652,787. 1 Claim. (Cl. 119—156.)

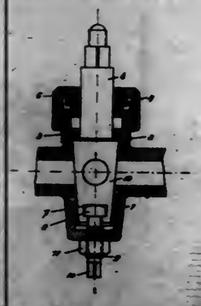


In a device of the class described, a casing comprising a top, sides, an end wall, a partition extended inwardly from the end wall and between the sides, to form a fly pocket and a run way therebeneath, an outer frame, means for securing the casing to the outer frame for adjustment to vary the position of the partition and the height of the run way, and an inner frame in the casing, the inner frame comprising vertically adjustable parts supporting the partition, and means for holding said parts of the inner frame in vertically adjusted positions.

1,483,507. REFRACTORY ARTICLE AND METHOD OF MAKING THE SAME. CLARENCE J. BROCKBANK, Philadelphia, Pa., assignor to Ross-Tacony Crucible Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 6, 1923. Serial No. 649,061. 3 Claims. (Cl. 18—47.5.)

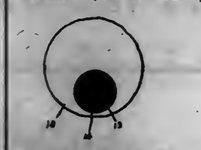
1. A dense hard refractory graphitic article of manufacture having a body bond and a continuous glaze of non-ceramic material and of the same coefficient of expansion and other physical characteristics.

1,483,508. PLUG COCK. HANS BRUNNER, Ouder Amstel, Netherlands. Filed July 27, 1920. Serial No. 400,520. 1 Claim. (Cl. 251—91.)



A valve structure comprising a casing having a fixed bottom provided with a threaded bore and an inlet and an outlet for fluid; a tapered plug valve rotatably mounted in the casing and provided at the lower end with a slot; a screw bolt rotatable in and disconnectable from said slot for longitudinally adjusting and holding the valve, said screw bolt being threaded directly into the fixed bottom of the casing and having at the lower end a square portion which is longer than the threaded bore in said bottom and passes, without turning through and projects outwardly through the threaded bore in said casing; and a lock nut on said screw bolt for securing said screw bolt against longitudinal movement.

1,483,509. PROCESS OF MAKING FUSED BIFOCAL LENSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Franklin Optical Company, Indianapolis, Ind., a Corporation of Indiana. Filed May 5, 1921. Serial No. 467,141. 6 Claims. (Cl. 49—82.1.)



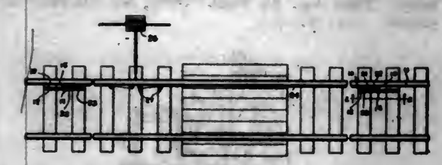
1. In the process of making fused bifocal lenses, placing upon the main portion of the lens glass particles arranged in concentric zones differing in their indices of refraction, and then fusing the same to the main portion of the lens.

1,483,510. ACHROMATIC BIFOCAL LENS MADE OF TWO PIECES OF GLASS. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Franklin Optical Company, Indianapolis, Ind., a Corporation. Filed July 17, 1923. Serial No. 652,052. 2 Claims. (Cl. 88—54.)



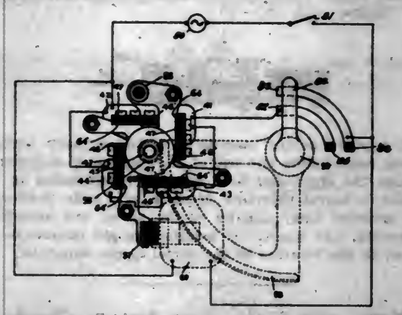
1. A bifocal lens composed of a major portion of glass of a relatively low index of refraction, an added reading portion composed of glass of a relatively high index of refraction, their relative dispersions being such that when the negative dioptral power through the reading portion in the glass of low index of refraction is divided by its value r and the positive dioptral power through the reading portion of the glass of high index of refraction is divided by its value r the result in each case shall be a constant common to both.

1,483,511. SIGNAL. ALBERT WADKINS HARVEY, Sulphur Springs, Tex. Filed Oct. 19, 1923. Serial No. 669,540. 4 Claims. (Cl. 246—294.)



1. A member adapted to be secured to the side of a railway track, a lever oscillatably mounted thereon, an arm on the lever projecting into proximity to one of the rails of a track, a flexible element connected mediately to the opposite end of the said lever, means for holding the lever in normal position, a semaphore stand, a shaft journaled therein, wheels on the said shaft, a flexible element operating over one of the wheels on which the first mentioned flexible member exerts a pull, a spring acting on the second mentioned flexible member against the pull of the first mentioned flexible member, semaphore arms on the shaft, a bell stationed on the said stand, the said bell having lugs on its inner surface adapted to be struck by a clapper, a shaft rotatable centrally of the bell, arms on the shaft having clappers thereon, a wheel on the said shaft, a flexible member operating over a wheel of the first mentioned shaft and the wheel of the second mentioned shaft, a signal lamp having lenses, and means carried by the first mentioned shaft in position to pass the lenses of the lamp, substantially as described.

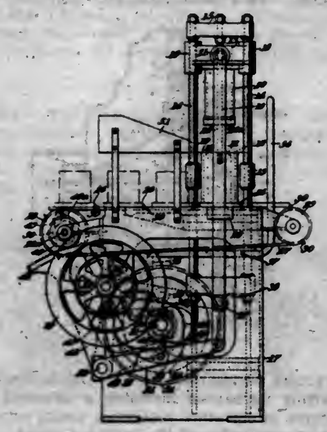
1,483,512. MOTOR. ALFRED ERNEST HUDD, Liverpool, England, assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Filed July 14, 1920. Serial No. 396,244. 29 Claims. (Cl. 246—240.)



1. A railway signalling machine comprising in combination a vibratory member, means for causing said member to operate signal mechanism, a roller clutch for causing said vibratory member to engage with said signal mechanism when moving in one direction, a second roller clutch for preventing said signal mechanism from moving backwards when said vibratory member is moving in the other direction.

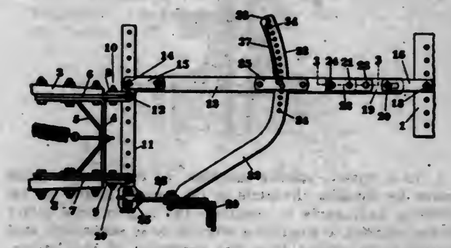
1,483,513. TILE-MAKING MACHINE. MORRIS KATCHEN, Brooklyn, N. Y., and Rowland McWilliams, Montclair, N. J., assignors to Republic Fireproofing Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 27, 1923. Serial No. 621,598. 18 Claims. (Cl. 25—45.)

1. In a machine for making hollow tile, the combination of two mould elements defining a vertical interspace for receiving the material to be moulded, a ram having a cross-sectional configuration corresponding to the interspace, a support below the mould elements, mechanism for cyclically moving the mould elements, the ram and the support relatively to each other to compress



material in the mould and then lifting the mould elements to leave the moulded block upon the support, manually operable control means for setting the mechanism into motion and means for automatically stopping the mechanism at the end of a cycle of operation.

1,483,514. TRACTOR HITCH. CHRIS KIEL, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Oct. 3, 1919. Serial No. 328,239. 4 Claims. (Cl. 280—33.44.)

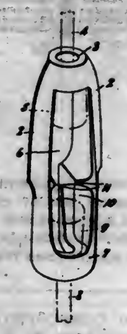


1. In a tractor hitch, the combination with a tractor and a trailing body, of a draft beam supported by the trailing body, a draft device pivotally connected to the tractor and to the draft beam and bodily adjustable laterally to vary the line of draft, a notched sector secured to the draft beam at one side of the draft device, a lever pivotally mounted on the sector and having means operative to engage the notches of the sector, and a connecting bar pivotally connected to the lever and having its forward end adjustably connected with the draft device to adjust said draft device to the line of draft irrespective of said bodily adjustment.

1,483,515. CEREAL FLAKES AND PROCESS OF MAKING SAME. JONATHAN K. LIPPEN, Battle Creek, Mich., assignor to Postum Cereal Company, Incorporated, Battle Creek, Mich., a Corporation of Delaware. Filed Dec. 6, 1922. Serial No. 605,288. 10 Claims. (Cl. 99—11.)

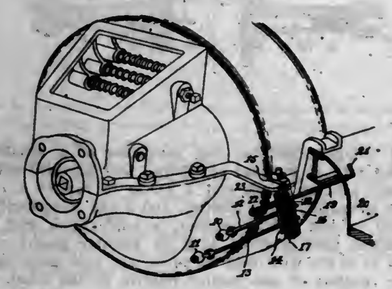
4. The process of making cereal flakes which consists in subjecting the cereal to moisture sufficient to dampen the bran envelope and the endosperm layers immediately thereunder, separating said dampened portion from the undampened portion, treating the former with a saline malt syrup solution, steam-cooking the same, and then flaking and drying the product.

1,483,516. WIRE-ROPE-CONNECTING MEANS. JOHN D. MCINTOSH, Vancouver, British Columbia, Canada. Filed Apr. 3, 1923. Serial No. 629,670. 1 Claim. (Cl. 24—123.)



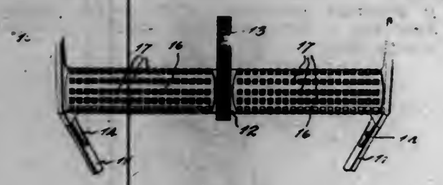
A means for connecting together the ends of wire ropes, which ends have thimbled enlargements secured to them, said means comprising a link having at one end an axial aperture adapted to receive the rope with a space between the sides of the link adapted to receive the thimbled enlargement of the rope, said space being approximately double the length of the thimbled enlargement and extending through from side to side of the link, the other end of the link having an axial aperture adapted to receive the wire rope with a chambered space adjacent adapted to receive the enlarged end of the rope, said chambered space being from one side of the link only and in length adapted to prevent endwise movement of the rope, and with a passage for the rope only from the through space of one end to the axial aperture of the other end.

1,483,517. OIL-LEVEL TESTER FOR CRANK CASES. ARCHIE L. NASH and WILLIAM P. NASH, East Spencer, N. C. Filed May 25, 1923. Serial No. 641,451. 5 Claims. (Cl. 137—139.)



1. In a device of the class set forth, a frame and means for supporting the same, a pair of wrenches supported in said frame and provided with meshing gears, a driving-gear in the frame, and an operating-shaft for the driving-gear extending to one side of the vehicle.

1,483,518. TROLLEY SLEET CUTTER. CHARLES T PERRY, Staten Island, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,217. 5 Claims. (Cl. 191—62.)



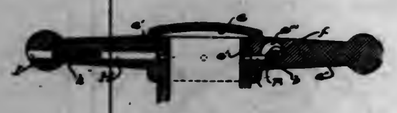
1. A trolley sleet cutter comprising, the combination with a trolley having a pair of conducting shoes arranged in longitudinal alignment and insulated from each other, of a pair of sleet cutters adapted to fit over the shoes and cut foreign matter from the trolley wires.

1,483,519. SOURING COMPOSITION AND METHOD. ROBERT A. PHAIR, Allendale, N. J., assignor, by mesne assignments, to H. Kohnstamm & Co., Inc., a Corporation of New York. Original application filed July 18, 1921, Serial No. 485,642. Divided and this application filed June 15, 1922. Serial No. 568,650. 7 Claims. (Cl. 8—2.)

1. In laundering or treating textile materials the method which consists in subjecting the goods after the bleaching, to treatment with a composition which sours and neutralizes the destructive effect of the bleach.

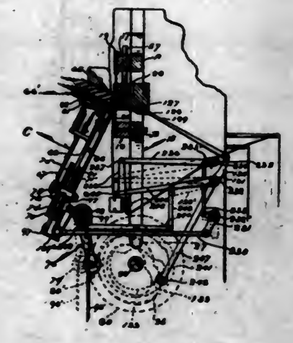
7. A souring composition for treating textile materials including a chlorine-neutralizing agent.

1,483,520. RADIATOR CAP FOR AUTOMOBILES. ADOLPH R. RAMIG, ADAM G. SHAFER, and ALEXANDER J. KRUMPECK, Chicago, Ill.; said Krumpeck assignor to said Ramig and said Shafer. Filed May 7, 1921. Serial No. 467,673. 2 Claims. (Cl. 70—90.)



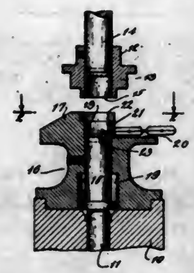
1. A two-part radiator cap, consisting of a member provided with an inverted cup-shaped part provided with an inner annular flange and a recess to receive a rotatably mounted locking member, and a pin eccentrically mounted on said locking member, in combination with a ring-shaped part provided with an annular groove arranged to co-act with said flange to join said parts and permit rotation of one thereof relative to the other, a rotatable lock member, and a longitudinally movable lock member provided with a loop at one end thereof arranged and connected to said rotatable lock member, to co-act with said eccentrically mounted pin to control the longitudinal movement of said locking member by the rotation of the locking member on which said pin is mounted, said ring-shaped part provided with a recess arranged to register with and receive said longitudinally movable bolt.

1,483,521. BOOK-SEWING MACHINE. WINFRED ELMO REAVIS, Los Angeles, and ELMER E. FREY, Long Beach, Calif., assignors to Oversewing Machine Company, a Corporation of California. Filed Apr. 5, 1920. Serial No. 371,474. 28 Claims. (Cl. 112—21.)



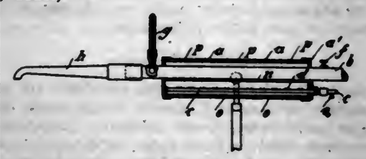
15. In a book sewing machine, the combination with a stitch forming mechanism including a punching means for signatures, of signature supporting means actuable in the region of penetration of the punching means.

1,483,522. BUTTON-MAKING MACHINE. HYMAN ROSEN, New York, N. Y. Filed July 31, 1922. Serial No. 578,637. 6 Claims. (Cl. 79—5.)



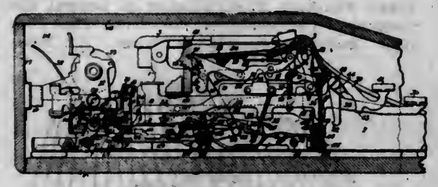
1. In a button making machine, in combination with means for forming the parts of the button, means for assembling said parts to complete the button, said latter means adapted to position a stem to be so secured to said button as to extend from the periphery of the button, said positioning means being reduced diametrically on one side at least to permit operation thereof in close proximity of an adjacent button.

1,483,523. BLOWER. SIEGFRIED SCHEFFLER, Rostock, Mecklenburg, Germany. Filed Aug. 30, 1921. Serial No. 497,053. 4 Claims. (Cl. 128—257.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



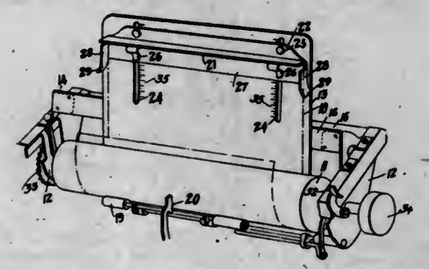
3. An apparatus for producing jets of air or steam for medical purposes, comprising a casing, an air pipe passing through the casing, a heating device within the casing below the air pipe, a thermometer projecting into the air pipe, means for introducing a medicine into the air tube consisting of a hopper opening into the air pipe from above, a thin pipe forming a prolongation of the hopper and running along within the air pipe adapted to vaporize the medicine coming from the hopper by the heated air or steam passing through the air pipe; means for regulating the stream of air passing through the air pipe, and means for regulating the heating device.

1,483,524. TYPEWRITING MACHINE. CHARLES E. SMITH, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 19, 1923. Serial No. 619,827. 44 Claims. (Cl. 197—186.)



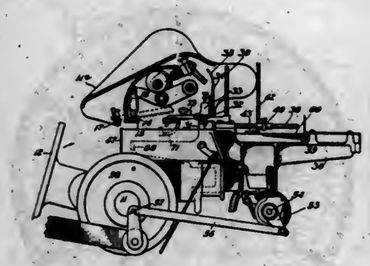
1. The combination with a typewriting or like machine having a part movable from compact position to an expanded position for use and case shifting mechanism including a case shift frame, of a lock for locking the case shift frame against case shifting movement from its normal position, and means controlled by the movement of said compactible part to compact position for rendering said lock effective.

1,483,525. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 16, 1919. Serial No. 304,532. 12 Claims. (Cl. 197—140.)



1. In a typewriting machine, the combination with a rotatable platen and a directrix to guide an ordinary work-sheet inserted at the introductory side of the platen to the bottom of the platen, of means for collating a plurality of superposed sheets at the introductory side of the platen preparatory to feeding them around the bottom of the platen to typing position, said collating means comprising leading-edge gaging means in the form of feed-rolls to run on the bottom of the platen, a collating table above the usual path of ordinary work-sheets introduced between the directrix and the platen, said collating table directing collated work-sheets to said directrix to be guided thereby beneath the platen, and an adjustable trailing-edge gage on said collating table for variably collating an outer sheet of said plurality in proper registration with an inner work-sheet gaged at its leading edge by said gaging feed-rolls.

1,483,526. FEEDING DEVICE. WALTER H. SMITH, Pittsburgh, Pa., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,603. 8 Claims. (Cl. 271—2.)



1. The combination with a feeding mechanism comprising feed means and a stock table associated with said feed means, of a secondary feeding device for substitution in operation for said stock table, said secondary device having a feeding association with the feed means of said first-named mechanism.

1,483,527. WRENCH. MARK STARC, Chicago, Ill. Filed Aug. 10, 1921. Serial No. 491,193. 6 Claims. (Cl. 81—58.)

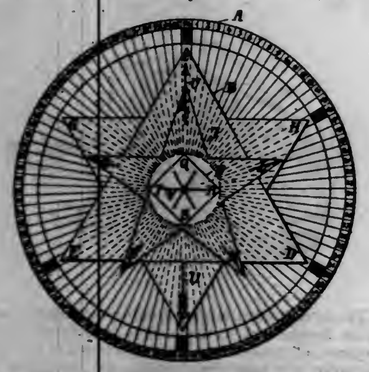


1. A wrench of the character described comprising, in combination, a wrench head, an operating handle therefor, said head being capable of rotary and longitudinal movement upon said handle unless prevented, and being also adapted and arranged to interlock with said handle for preventing both such rotary and longitudinal movement, and means operatively connecting said handle and head but adjustable either to maintain them in the stated interlocked relation, or to release them therefrom while still connecting them.

1,483,528. COAL SAVER. WILLIAM H. STIEFEL, Angola, Ind. Filed Oct. 17, 1923. Serial No. 669,116. 2 Claims. (Cl. 44—4.)

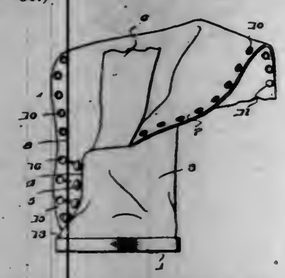
1. A composition of matter comprising five pounds of common salt, three ounces of oxalic acid and lamp black sufficient to color the composition black.

1,483,529. DEVICE FOR QUICKLY FINDING HARMONIOUS COLOR COMBINATIONS. HERMANN TANNER, Samaden, Switzerland. Filed Jan. 3, 1920. Serial No. 349,228. 4 Claims. (Cl. 88—14.)



1. A device having markings for determining at one viewing a multiplicity of harmonious color-combinations, including a color-chart provided with markings for a multiplicity of such color-combinations; and an indicating member movably mounted relatively to the color-chart and arranged with respect thereto to point out thereon a simultaneously-observable multiplicity of harmonious color-combinations comprising multiple harmonious color-combinations.

1,483,530. BOOT. ALEXANDER TETI, Torrington, Conn. Filed May 14, 1923. Serial No. 638,956. 1 Claim. (Cl. 36—50.)



A boot comprising a sole, a vamp attached to the sole and having a transverse termination at one side of the longitudinal median line of the boot and at a point above the instep of the boot, buttons on the vamp at one side of the longitudinal median line thereof and in front of and spaced relation to said termination, a leg portion merged into the vamp at the inner side of the boot, a leg portion joined through a back bight to the first-named leg portion and having its forward lower portion lapped over the termination of the vamp and connected to the sole and provided with button holes for cooperation with the said buttons, a tongue connected to the said termination of the vamp, and means for lacing the leg portions at the front of the portion of the boot above the instep vamp portion thereof.

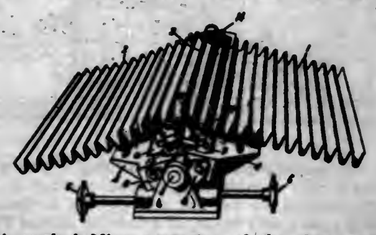
1,483,531. MEANS FOR ADJUSTING BRAKE SHOES USED IN TRAMWAY VEHICLES AND THE LIKE. SIDNEY THOMAS, London, England. Filed Jan. 6, 1921. Serial No. 435,770. 3 Claims. (Cl. 188—197.)

3. An apparatus for adjusting the brakes of tramcars, comprising brake rods disposed on each side of the center line of the vehicle, a shaft extending transversely of the vehicle, gearing at each end of said shaft connecting said shaft to said brake rods, a non-return take-up device disposed on said shaft, said device comprising a ratchet mounted on said shaft, a ratchet arm carrying



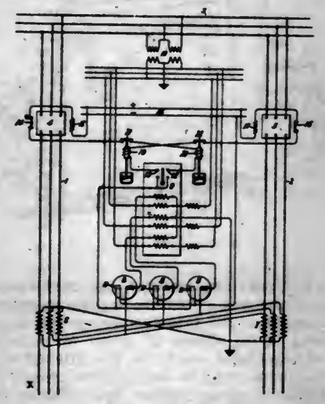
a spring pressed pawl cooperating therewith, manual means for operating said ratchet arm in one direction and means for returning said ratchet arm to its normal position when said manual means is released.

1,483,532. WORKHOLDING APPARATUS. HARRY W. TOBEY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,662. 6 Claims. (Cl. 219—17.)



1. A work holding apparatus of the class described comprising a pair of pivoted work supporting members, a work holding member, provided with means for clamping the work, mounted on each work supporting member, and means whereby said working holding members may be adjusted to vary the height and inclination thereof with respect to said work supporting members.

1,483,533. PROTECTION OF TRANSMISSION LINES. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 23, 1921. Serial No. 447,112. 9 Claims. (Cl. 175—294.)



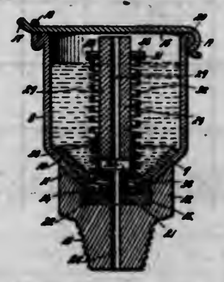
2. A protective system for two transmission lines comprising means adapted to be operated to interrupt the circuits of said lines, control circuits for said interrupting means, means operative in response to abnormal conditions on either of said lines to complete the control circuit of the interrupting means in the line at fault, and electroresponsive means in circuit with said control circuits, operative in response to the closing of one of said control circuits to prevent the closing of the other control circuit for a predetermined time.

1,483,534. ELECTRIC WATER HEATER. GEORGE H. VAN NOY, Lewistown, Mont. Filed Feb. 13, 1922. Serial No. 536,166. 4 Claims. (Cl. 219—48.)



1. An electric water heating attachment for domestic boilers including a tubular body insertible into the water outlet opening in the boiler, a core of insulating material filling one end portion of the body, and a rod of conductive material extending through the core and adapted to lie close to and parallel with the water feed pipe in a boiler, said rod and feed pipe being connected to opposite terminals of an electric circuit.

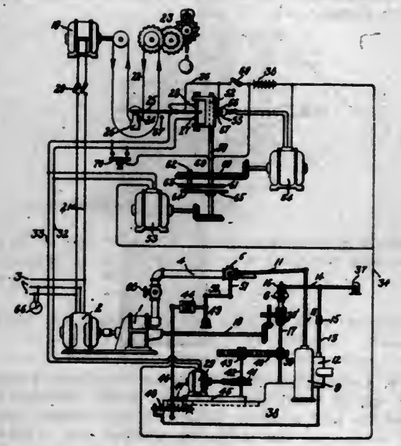
1,483,535. VIBRATORY LUBRICATOR. ALLEN A. VAN ORSDALE, Philadelphia, Pa. Filed Sept. 26, 1921. Serial No. 503,229. 16 Claims. (Cl. 184—69.)



4. A vibratory lubricator comprising a tubular body portion having a funnel shaped bottom, an inner bottom having an extension for passage through the funnel-shaped bottom, a connecting member for clamping said inner bottom and body portion firmly together, an axially central tubular nipple firmly seated in the inner bottom and having a valve seat at its upper part, an adjustable upwardly seating valve having a tubular stem, and a compression spring normally holding said valve to its seat, said valve being adapted for axial longitudinal movement whereby its bore can be brought into registry and axial alignment with the aforesaid tubular nipple.

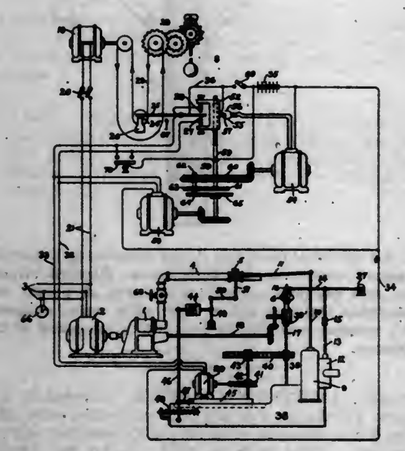
1,483,536. AUTOMATIC REGULATOR. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Feb. 27, 1922. Serial No. 539,347. 7 Claims. (Cl. 58—24.)

1. In combination a motor, an automatic governor for said motor adapted to keep the speed thereof at a substantially constant normal value, means for measuring average errors in the speed of said motor, means dependent upon such measurements for adjusting the speed



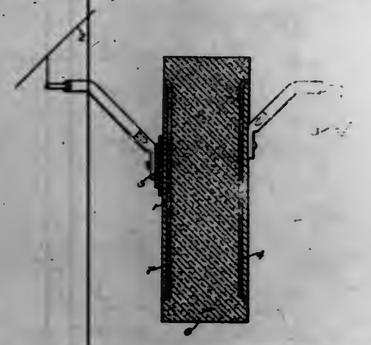
of said motor in a manner to correct for such errors, and means for preventing an over regulation of the speed of said motor.

1,483,537. GOVERNING MECHANISM. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Original application filed Feb. 27, 1922, Serial No. 539,347. Divided and this application filed Dec. 18, 1922. Serial No. 607,508. 4 Claims. (Cl. 137—140.)



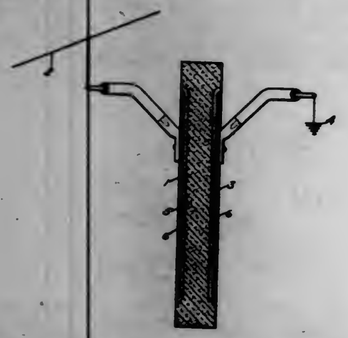
1. In combination a prime mover, a valve for regulating the flow of motive fluid thereto, a speed responsive governor for controlling said valve, means for adjusting the speed setting of said governor and an anti-racing mechanism comprising a dash-pot mechanically connected between said valve and said governor setting means arranged to adjust the same in a direction to check a movement of the valve such as would otherwise cause an over or under speeding of the prime mover.

1,483,538. LIGHTNING ARRESTER. CHESTER T. ALLCUTT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1919. Serial No. 295,162. 14 Claims. (Cl. 175—30.)



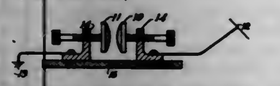
1. An electrical discharge device comprising a plurality of spaced conducting members, means disposed intermediate said members embodying intermingled particles of conducting and insulating material and a layer embodying a metal compound which becomes converted by heat into a compound of high resistance.

1,483,539. LIGHTNING ARRESTER. CHESTER T. ALLCUTT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1919. Serial No. 295,312. 11 Claims. (Cl. 175—30.)



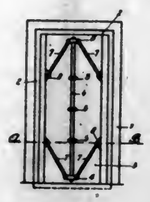
1. An electrical-discharge device comprising a plurality of spaced conducting members, means disposed intermediate said members embodying a layer of porous noncombustible material and a layer of a metal compound which becomes converted by heat into a compound of high resistance.

1,483,540. LIGHTNING ARRESTER. CHESTER T. ALLCUTT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919. Serial No. 296,354. 9 Claims. (Cl. 175—30.)



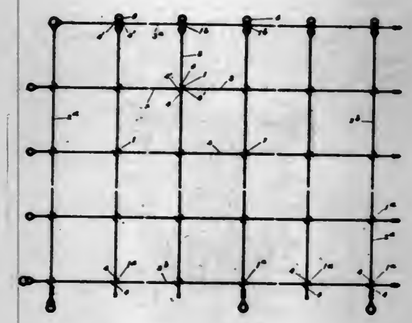
1. A discharge-gap member comprising a conducting member provided with a coating of conductive oxid which becomes converted by heat into a different oxid of higher electrical resistance.

1,483,541. DOOR FASTENING FOR SAFES AND THE LIKE. ANTONIUS HENDRIKUS MARIE BASART, The Hague, Netherlands. Filed Oct. 28, 1922. Serial No. 597,478. 5 Claims. (Cl. 109—3.)



1. The combination with a door frame having a door opening, and a door adapted to close said opening, of door fastening means comprising movable members carried by the door, a member mounted on said door and adapted to expand and contract under variations of temperature, connecting means between said expansible member and movable members for moving said members into and out of engagement with the frame as the expansible member contracts and expands, and means for heating said expansible member.

1,483,542. NET. REGINALD R. BELKNAP, U. S. Navy. Filed May 10, 1917. Serial No. 167,825. 4 Claims. (Cl. 245—2.)

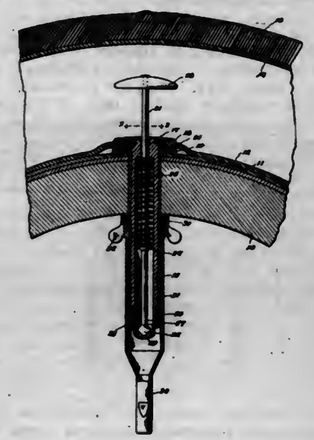


1. A net formed of separate or disjoined wires, stops on said wires on either side of their crossing or junction points, and rings surrounding said wires and cooperating with said stops to hold said wires in their relative positions.

1,483,543. TIRE ALARM. IVAN BEST, Morland, Kans. Filed Aug. 12, 1922. Serial No. 581,481. 1 Claim. (Cl. 116—34.)

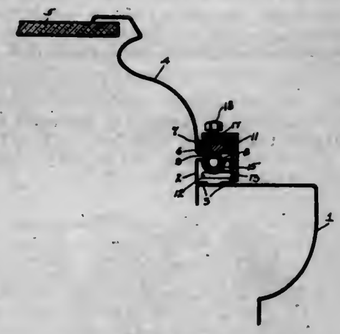
A tire alarm including a casing for connection to a pneumatic tube, a plunger having a continuous stem extending axially through and slidable within the casing, the stem being provided with a shoulder within the casing, and the diameter of the stem and the shoulder being less than the bore of the casing whereby to permit flow of air around the stem and the shoulder, a spring surrounding the stem and bearing between said shoulder and the outer end of the casing whereby to force the plunger inwardly, a cap threaded upon the inner end of the casing and provided with a frangible portion against which the inner end of the plunger constantly

bears, a head upon the outer end of the plunger within the pneumatic tube, and a head upon the outer end of



the casing secured within the pneumatic tube and provided with external grooves leading to the bore of the casing.

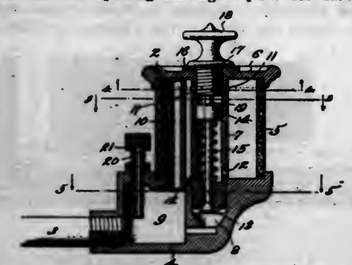
1,483,544. CASKET CONSTRUCTION. JAMES H. DONNELLY, Cleveland, Ohio. Filed July 1, 1921. Serial No. 481,792. 1 Claim. (Cl. 27—17.)



In casket construction, the combination of a casket provided with a flange at its top edge, a substantially rectangular molding having its two side edges bent inwardly to form flanges whereby said molding is attached to said casket flange, said molding being provided with a groove in its top side and with slots in its outer side, a gasket mounted in said groove, a cover for said casket having a flange adapted to rest on said molding and gasket, and clamping members adapted to be received in said slots and engage with said cover flange to seal said casket.

1,483,545. VALVE. THEODORE EVERS, Rock Island, Ill., assignor of one-half to Richard S. Silvis, Rock Island, Ill. Filed June 2, 1922. Serial No. 565,441. 1 Claim. (Cl. 137—68.)

The combination with a liquid reservoir, a supply device connected therewith, and comprising a chambered lower part, a cylinder seated on the lower part, a cover for the cylinder and a tubular part connected with the cover and detachably secured with the lower part, said tubular part being in communication with the chamber in the lower part, a valve controlling such communication, a spring for normally holding the valve upon its seat, said cover part having a filling opening, a closing member for the opening having a part for moving the

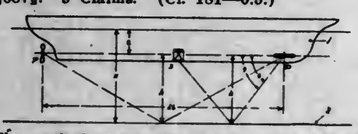


valve off its seat when the closing member is in closing position and an adjustable air vent extending into the chamber.

1,483,546. PROCESS FOR BLEACHING AND IMPROVING FLOUR AND MILLING PRODUCTS. HENRI CASPAR JOSEPH HUBERT GELISSEN, Berlin, Germany, assignor to the Firm Naamlooze Vennootschap Industrieele Maatschappij, voorheen Noury & Van Der Lande, Deventer, Netherlands. Filed Dec. 4, 1922. Serial No. 604,889. 5 Claims. (Cl. 83—42.)

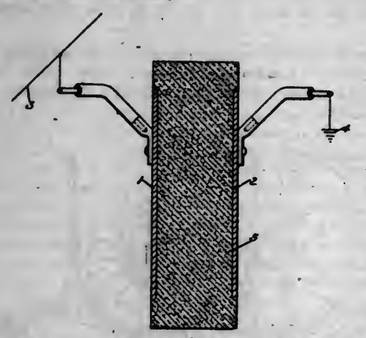
1. A process which comprises adding a substance of the herein described peraldehyde-ozonide class to flour material.

1,483,547. METHOD OF DETERMINING DISTANCES. HARVEY C. HAYES, New London, Conn., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed June 25, 1919. Serial No. 306,687½. 9 Claims. (Cl. 181—0.5.)



1. The method of sounding which consists in generating a sound and determining the angular direction of the sound reflected from the bottom; substantially as described.

1,483,548. LIGHTNING ARRESTER. FREDERICK A. LIND, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 6, 1919. Serial No. 295,069. 17 Claims. (Cl. 175—30.)



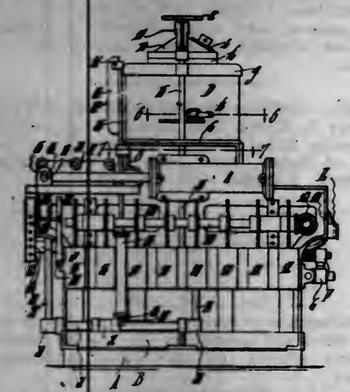
1. An electrical-discharge device comprising a plurality of spaced conducting members, and means disposed intermediate said members embodying intermingled particles of conducting material, non-conducting material, and a metal compound which becomes converted by heat into a compound of high resistance.

1,483,549. MINING APPARATUS. EDMUND C. MORGAN, Chicago, Ill.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Mar. 27, 1916. Serial No. 86,837. 143 Claims. (Cl. 262—30.)



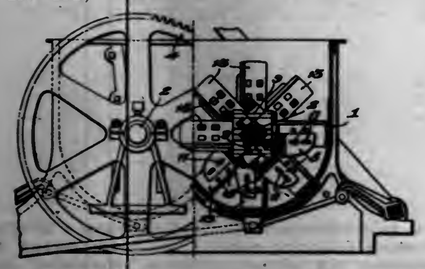
34. In a mining machine, the combination with a supporting frame, of kerf-cutting mechanism mounted thereon, and a deflector plate extending rearwardly and diagonally and arcuately and being curved upwardly to form an overhanging deflecting portion.

1,483,550. CASTING MACHINE. ALBERT W. MORRIS, Springfield, Mass., assignor to Kenneth W. McNeil, Bridgeport, Conn. Filed Dec. 31, 1919. Serial No. 348,658. 48 Claims. (Cl. 22—69.)



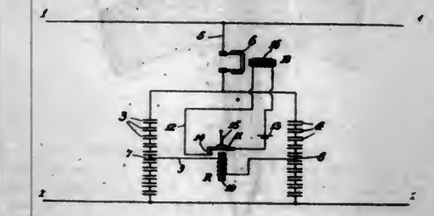
1. In a casting machine, of the type wherein a mold is clamped against a crucible with its filling opening in communication with the outlet of the crucible, a combined valve and plunger operable to first open said outlet and allow the mold to be filled with the fluid to be cast and subsequently as a plunger to intensify the pressure of the fluid in the mold and finally to close said outlet.

1,483,551. ADJUSTABLE BLADE FOR MIXING MACHINES. CLIFFORD C. MOSHER, Lima, Ohio. Filed May 14, 1923. Serial No. 638,807. 4 Claims. (Cl. 259—104.)



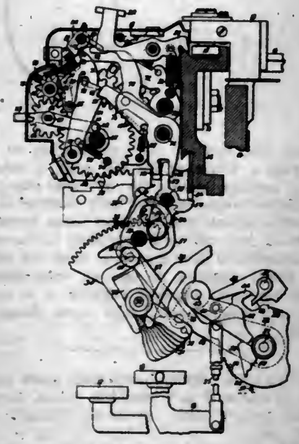
1. An adjustable blade for mixing machines, comprising a blade-holding arm adapted to be clamped on a shaft and having two radial plane faces at right angles to each other, and a blade adapted to be secured to either of said faces so as to act with either a right or left hand screw action on the material.

1,483,552. PROTECTIVE MEANS FOR CONDENSER INSTALLATIONS. GREENLEAF WHITTIER PICKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Nov. 9, 1920. Serial No. 422,759. 3 Claims. (Cl. 175—294.)



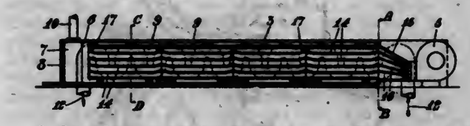
2. In a condenser power-factor installation comprising parallel-connected condensers connected across the mains of an electric transmission system, the means for preventing breakdown of the entire condenser installation by a fault in any part of it, which comprises a main electromagnetic switch arranged to cut-out the entire condenser installation from the mains; a controlling electromagnetic switch therefor having its coil connected to the two branches of the condenser installation to cause the operation of said controlling switch by the current flow in the coil thereof resulting from a fault in any part of the condenser installation; and a circuit closed by said controlling switch and containing the coil of the main condenser-cut-out switch and a source of E. M. F.

1,483,553. CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed July 6, 1921. Serial No. 482,787. 6 Claims. (Cl. 235—59.)



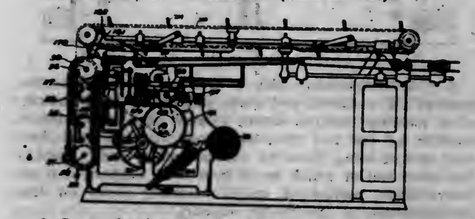
1. In a calculating machine, the combination of a totalizer and an actuator, one traveling relatively to the other, a set of keys, a register-state-controlled device in said totalizer, and two key operated devices one at each side of the totalizer whose action is controlled by said register-state-controlled device to indicate to the operator the state of the register as to clear or not clear.

1,483,554. FURNACE FOR DRY DISTILLATION OF WASTE LIQUORS AND SIMILAR MASSES. ERIK LUDVIG RINMAN, Djursholm, and GUNNAR FREDRIK MAGNUSON, Skoghall, near Karlstad, Sweden, assignors to Aktiebolaget Cellulosa, Stockholm, Sweden, a Company of Sweden. Filed June 6, 1921. Serial No. 475,268. 6 Claims. (Cl. 203—6.)



1. In a furnace for dry distillation of waste liquor and similar masses, the combination of a heat chamber, heating elements in said heat chamber, a distillation chamber communicating at both ends with said heat chamber, trucks in said distillation chamber having a number of floors for receiving the material to be distilled, said trucks being adapted to be connected to one another in a row in such manner that said floors form continuous horizontal passages through said row of trucks, and means for effecting circulation of gases in said chambers and through said passages in said row of trucks.

1,483,555. WEB TENSION MECHANISM FOR WRAPPING MACHINES. HENRI A. SEVIGNE, Winthrop Mass., and FRANK K. ARNOLD, Nashua, N. H., assignors to National Bread Wrapping Machine Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Dec. 4, 1917, Serial No. 205,385 Divided and this application filed Nov. 17, 1921. Serial No. 515,764. 4 Claims. (Cl. 242—75.)



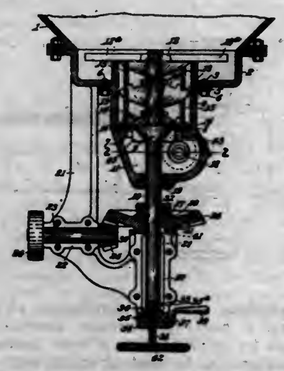
1. In mechanism for drawing a web of paper from a roll, means for compensating for the gradually reducing size and inertia of said roll, said means comprising a plurality of elongated weights, one above another, in position to bear in a single loop of the web and mounted to be progressively lifted by said loop.

1,483,556. SWIVEL. OTIS H. SLEEPER, Exeter, N. H., assignor to Perley B. Sleeper, Exeter, N. H. Filed Jan. 29, 1923. Serial No. 615,463. 3 Claims. (Cl. 24—40.)



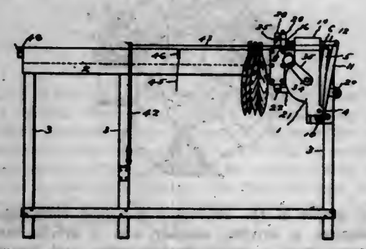
1. In combination with the swivel cap of a chain swivel, said cap having a locking slot, a chain ring rigidly anchored at one end to said cap and having its opposite end releasably engaged in said slot.

1,483,557. FEEDER FOR PULVERIZED COAL. GEORGE Z. SMITH and EDWIN B. HERBERT, Follansbee, W. Va. Filed Nov. 13, 1920. Serial No. 423,891. 5 Claims. (Cl. 302—42.)



1. In a pulverized fuel feeder, a casing having an inlet opening, a receptacle situated above the casing for supplying fuel to the casing through said inlet, a shaft extending through the casing carrying a valve for controlling said opening and carrying feeding devices including spiral propeller blades situated above the inlet opening arranged to elevate the fuel and to keep it in a constant state of upheaval, a motor for driving said shaft carrying said feeding devices at constant speed producing, in conjunction with the action of gravity, a steady flow of fuel from the receptacle to the casing at a rate depending upon the setting of the valve, and means for discharging the fuel from the casing.

1,483,558. MACHINE FOR STRINGING TOBACCO LEAVES. CHARLES W. SPONSEL, Wethersfield, Conn., assignor to The Sponsel Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 3, 1921. Serial No. 504,855. 15 Claims. (Cl. 131—21.)



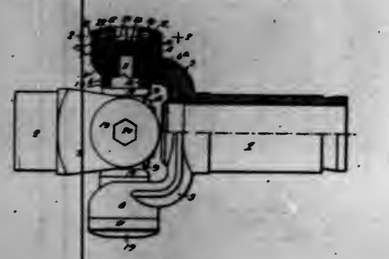
1. A machine for stringing tobacco leaves comprising means for the attachment of a string, longitudinally movable means for piercing leaf stems, and means for pushing stems from the piercing means on to the string.

14. A machine for stringing tobacco leaves comprising a reciprocatory piercing hook, a reciprocatory pusher movable lengthwise of the hook, a reciprocatory needle movable transversely of the hook and pusher, and means for reciprocating the hook across the path of the needle and reciprocating the needle across the path of the hook, whereby a looped string will be transferred back and forth from needle to hook.

1,483,559. CARBON REMOVER. PATRICK A. SULLIVAN, Cincinnati, Ohio. Filed Sept. 13, 1920. Serial No. 409,957. 5 Claims. (Cl. 87—5.)

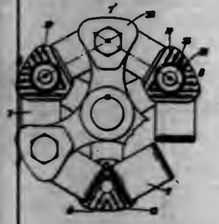
1. A carbon removing compound composed of kerosene, oil of mirbane and creosote oil.

1,483,560. UNIVERSAL JOINT. WILLIAM H. THIEMER, Cleveland, Ohio, assignor to Frederick W. Peters, J. H. Wills, and himself, all of Cleveland, Ohio. Filed Nov. 17, 1922. Serial No. 601,459. 11 Claims. (Cl. 64—102.)



1. In a universal joint, the combination of a bearing block having a bore therethrough provided with a thread within its outer portion, a cross member having a trunnion adapted to be received within said bore, said trunnion being provided with a shoulder, a bushing having a flange adapted to rest upon the outer end of the bearing block and having a threaded portion adjacent to said flange and adapted to engage the threaded portion of said bore, said bushing adapted to surround said trunnion and there being packing interposed between the inner end of the said trunnion and the said shoulder, the peripheral portion of said flange being threaded reversely from the other portion of said bushing, and a cap having a flange provided with a thread adapted to mesh with the last-mentioned thread.

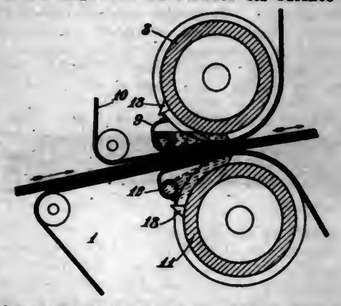
1,483,561. FLEXIBLE COUPLING. GUSTAVE A. UNGAR, Pelham Manor, N. Y., assignor to F. R. Blair & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 11, 1919. Serial No. 344,030. 15 Claims. (Cl. 64—96.)



1. A device of the character described comprising, in combination, a driving member and a driven member, each comprising a spider having arms, and means, for attaching a flexible torque transmitting element to said arms with the arms of one spider alternating with those of the other around the axis of rotation, said flexible element including spirally wound cord-loop links connecting the arms of one spider with those of the other, the cords of a loop crossing each other between the ends of such loop.

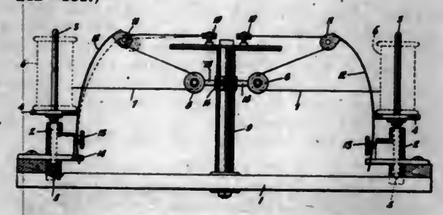
1,483,562. ROTARY PRESSING APPARATUS. RUDOLF ERNST WAGNER, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden, a Manufacturing Company of Sweden. Filed Feb. 14, 1921. Serial No. 444,818. 3 Claims. (Cl. 92—49.)

1. In a rotary pressing apparatus for pressing out liquid from fibrous substances, the combination of two press rollers adapted to press against a sheet of material run between the same, at least one of said rollers being provided with circunferential slots in its surface, and a suction device located in front of such slotted roller in the angle formed between its surface and the



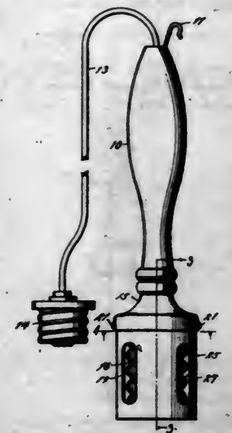
sheet of material and adapted to draw off liquid pressed out from the sheet of material into said angle in front of the roller and into the slots in the roller.

1,483,563. SPRING-TENSION CREEL. WILLIAM S. WELLS, Bethlehem, Pa., assignor to Johns-Manville, Incorporated, a Corporation of New York. Filed Oct. 26, 1922. Serial No. 596,947. 5 Claims. (Cl. 242—131.)



2. The combination with a circular revoluble bobbin support for a thread and guide sheaves for said thread, of a yielding tension sheave located at a point intermediate of the two first mentioned sheaves, said tension sheave being mounted on one end of a flat spring, the other end of which is set in a fixed support, and an intermediate portion of which normally bears on the circumference of the bobbin support.

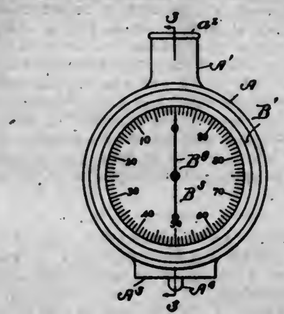
1,483,564. LIQUID-HEATING DEVICE. FREDERICK H. WICKES and CHARLES H. GOODMAN, Roanoke, Va. Filed Feb. 28, 1922. Serial No. 540,058. 1 Claim. (Cl. 219—41.)



An electrical heater comprising a cap, a centrally bored handle connected to the cap, a core member de-

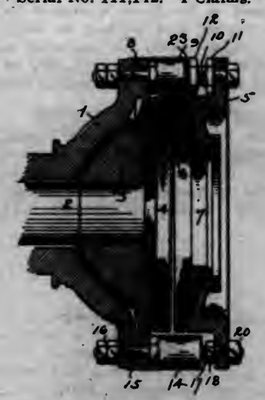
pending from the said cap and having a central bore aligning with the bore of the said handle, said core presenting upper and lower flanges having slots opening radially from the said central bore, a resistance coil encircling the said core between the said flanges and having the opposite terminal-wires extending inwardly of the said radial opening and upwardly thru the said aligned bores of the handle and the core member, a filler of plastic material within the said central bore and radial slots of the said core and enveloping the said terminal wires of the said coil, and a tubular shield encircling the said bore and supported by the flanges thereof in spaced relation to the said core, said shield having perforations thru which the said coil is exposed.

1,483,565. DEVICE FOR TESTING HARDNESS. RALEIGH B. ADAMS, Newton, Mass., assignor to Stowe & Woodward Company, Newton Upper Falls, Mass., a Corporation of Massachusetts. Filed Dec. 9, 1922. Serial No. 605,957. 2 Claims. (Cl. 265—19.)



1. A device of the character described comprising a casing having an abutment to engage the material to be tested; a spindle mounted to move inwardly with reference to said casing when pressed by the material, said spindle having an end to engage the material; a spring tending to resist the inward movement of the spindle, the size of said end and the resistance of said spring having a predetermined relation when the material engages said abutment; means to adjust the compression of said spring; and means operatively connected with said spindle to indicate the hardness of the material.

1,483,566. ADJUSTING DEVICE FOR CRUSHERS. HARVEY S. ANDERSON, Germantown, Ohio. Filed July 25, 1916. Serial No. 111,142. 4 Claims. (Cl. 83—10.)

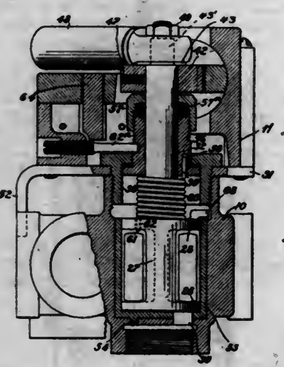


1. A crusher of that type involving two relatively movable heads arranged in spaced relation, one of which is provided with a peripheral shoulder, characterized by an internally screw threaded sleeve abutting upon the inner or adjacent fact of one of said heads and extending entirely across the intervening space between said heads and overhanging the peripheral shoulder of the other head, an externally screw threaded member abutting upon the inner or adjacent face of the shouldered head and adjustably engaging within the screw threaded bore of said sleeve to limit the approach of said heads one toward the other, and limiting means preventing the separation of said heads.

1,483,567. PROCESS OF PRODUCING TUNGSTEN OXIDE FROM TUNGSTEN ORES. KOJI ANJOW, Tokyo-Fu, Japan, assignor to Mitsubishi Kogyo Kabushiki Kaisha, Tokyo, Japan, a Corporation of Japan. Filed Apr. 26, 1923. Serial No. 634,924. 4 Claims. (Cl. 23—13.)

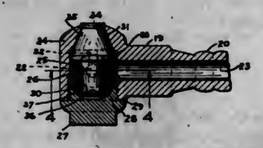
1. A process for producing hydrated oxides of tungsten, which consists in treating finely powdered tungsten ore with dilute sulphuric acid under pressure in a closed vessel to eliminate impurities contained therein.

1,483,568. VALVE-OPERATING MECHANISM. WILLIAM L. BLISS, Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Sept. 9, 1918. Serial No. 253,162. 7 Claims. (Cl. 137—139.)



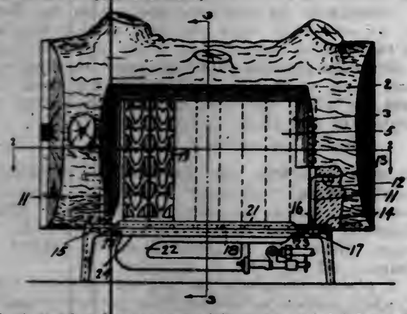
1. In a valve mechanism of the character described, a valve, means biasing said valve to obstructing position, valve holding means biased to inoperative position, said valve biasing means being adapted to cooperate with said valve holding means for maintaining said holding means in operative position, and fluid pressure means for overcoming said valve biasing means to effect a release of said holding means.

1,483,569. LUBRICATING ATTACHMENT FOR PERCUSSION TOOLS. DANIEL BRANDRIFF, Short Beach, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn. Filed July 21, 1920. Serial No. 397,962. 20 Claims. (Cl. 184—14.)



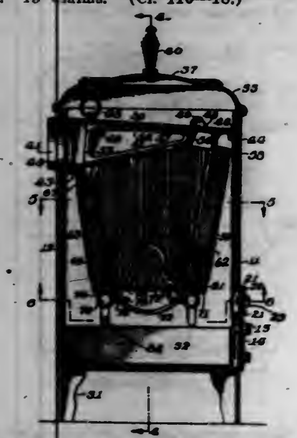
7. In a lubricating attachment, a fluid passage having a tapered opening for the introduction of a lubricant therein, and a correspondingly tapered valve within said passage normally urged to close said opening.

1,483,570. GAS-LOG HEATER. EUGENE S. BROWN, Oak Station, Pa. Filed Mar. 30, 1923. Serial No. 628,847 7 Claims. (Cl. 129—92.)



1. A gas-log heater comprising an artificial log-section recessed at the front, grooves formed in said section, a removable fire-back fitting in said grooves, and a burner-plate connected to said log below said fire-back.

1,483,571. INCINERATOR. GEORGE L. CAMPBELL, Philadelphia, Pa. Filed Dec. 15, 1919. Serial No. 344,794. 15 Claims. (Cl. 110—18.)



1. An incinerator wherein a retort is mounted in a supporting structure in juxtaposition to an ignition burner, and having an access opening for the deposit of material therein, characterized by a movable hollow closure for the access opening of said retort, said closure having a passage therethrough for the products of combustion, communicating with the interior of the retort through a vent opening adjacent to one edge of the bottom thereof leading from the retort to the interior of said closure, and communicating through an exit opening in the marginal edge farthest removed from said vent with a flue opening leading from said structure.

1,483,572. INHALER. FRANK I. CLARK, Baltimore, Md. Filed May 23, 1922. Serial No. 562,950. 4 Claims. (Cl. 128—198.)



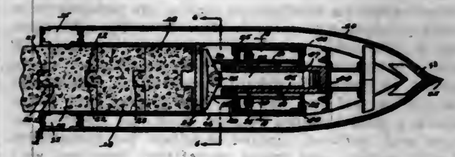
1. An inhaler comprising two telescoping sections each section having a nozzle opening into the interior of the section, said sections having circumferential openings located in a plane between the two nozzles and a wire clamping frame detachably connected to the sections at one of said openings, said frame being shaped to engage the nose of a person to hold the inhaler in place.

1,483,573. PHONOGRAPH APPLIANCE. FRED DARROW, Cuyahoga Falls, Ohio. Filed Jan. 10, 1921. Serial No. 436,200. 6 Claims. (Cl. 274—9.)



1. In a phonograph, in combination, a frame for the working parts thereof, a turn table, a record thereon, a tone arm carrying a playing stylus and a stop, said stop including a base plate, means to secure said plate against the upper face of the phonograph motor frame and between the said frame and the phonograph turntable, a lever overlying said plate and pivotally secured thereto, means to regulate the position of said lever relative to said frame and means associated with the forward end of said lever for stopping the playing arm with the playing stylus at the beginning of the groove in said record.

1,483,574. METHOD AND APPARATUS FOR PLACING CONCRETE SHEET PILES. DOMINICK J. EMILIO, Jersey City, N. J., assignor of one-half to James L. McDonald, Tottenville, N. Y. Filed Sept. 14, 1921. Serial No. 500,619. 2 Claims. (Cl. 61—63.)



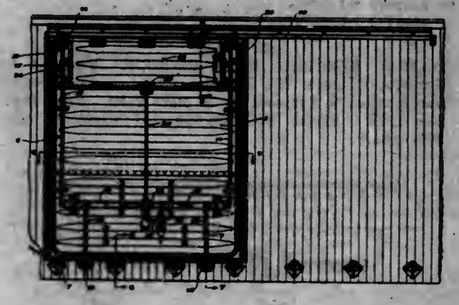
1. A device of the class described comprising an earth displacer, open at the rear and adapted to receive a number of prepared piles for closing the opening in the rear, means for pressing the piles into intimate contact, means for using said pressing means for advancing the displacer as soon as the pressure exceeds its resistance, means at the front of said displacer for making a trough in the river bottom, means for operating said pressing means and means for allowing the placing of a new pile in front of the first prepared pile in said displacer.

1,483,575. TOILET-PAPER PACKAGE. CHARLES FISHER, Chicago, Ill., assignor of one-third to Albert C. Grunwald, one-third to Carl E. Carlson, and one-third to Fred H. Loescher, all of Chicago, Ill. Filed Sept. 18, 1920. Serial No. 411,235. 3 Claims. (Cl. 281—15.)



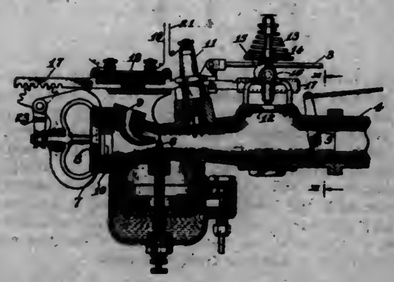
1. As an article of manufacture, a package of toilet-paper sheets having a longitudinal slit extending therethrough near one end of the pack, and a fastener comprising a paper strip folded at an intermediate transverse line and having an edge-wise offset head portion affording a shoulder, the members of the folded strip extending through and lining said slit and having their extremities bent, thus affording a guide adapted to permit the entry of a supporting blade when the package is introduced into a service cabinet.

1,483,576. METAL GRAIN DOOR. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 3, 1922. Serial No. 526,602. 2 Claims. (Cl. 189—46.)



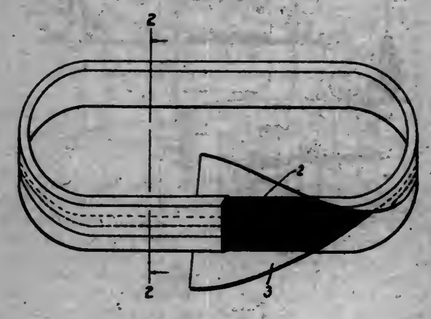
1. In a freight car having a side door opening and a side door supported to close and uncover said opening, a beading about the exterior of the door opening and a corresponding recess upon the inner side of the door adapted to receive and engage the beading to form a grain tight closure, said door support allowing reciprocation of the door transversely of the car, and means for holding the door in closed grain tight position, comprising sockets secured to the car sides and bolts mounted upon the door adapted to be operated to engage the sockets and wedge the door against the car side.

1,483,577. ENGINE PREHEATER. JOHN GOOD, Garden City, N. Y., assignor to Good Inventions Co., Brooklyn, N. Y., a Corporation of New York. Filed May 24, 1917, Serial No. 170,680. Renewed July 14, 1921. Serial No. 484,821. 20 Claims. (Cl. 123—122.)



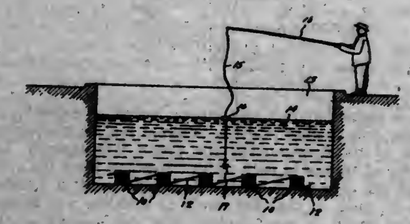
1. A means of starting combustion engines comprising a device connected to the intake and provided with air and fuel inlets normally functioning to automatically deliver explosive fuel mixture thereto and with an electric igniter, a switch controlling the circuit of the igniter, and means for operating said device first to pass flame into said intake and then to deliver said fuel mixture through the same to the engine.

1,483,578. FAN BELT. ROBERT L. GOODBAR, Minneapolis, Minn., assignor to GoodBar Rubber Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 4, 1919. Serial No. 328,375. 1 Claim. (Cl. 74—63.)



An endless belt composed of several rubberized vulcanizable fabric strips, each strip forming a single ply and cut obliquely to the direction of the threads of the fabric to allow longitudinal stretch thereof, said strips being cut out separately and laid concentrically one upon the other with their corresponding longitudinal edges in substantial alinement and forming an endless core, and a rubberized vulcanizable jacket wrapped around said core and having its longitudinal edges lapping each other lengthwise of the belt and on its exterior periphery, its transverse edges lapping each other transversal of the belt, and a single row of stitches through the overlapped portion of the jacket, said jacket concealing and protecting the edges of the fabric and said strips and jacket being vulcanized to form a homogeneous elastic endless belt.

1,483,579. ELECTRICAL AMUSEMENT DEVICE. EMERY M. GOODWIN, Cleveland, Ohio. Filed May 29, 1922. Serial No. 564,383. 1 Claim. (Cl. 46—49.)

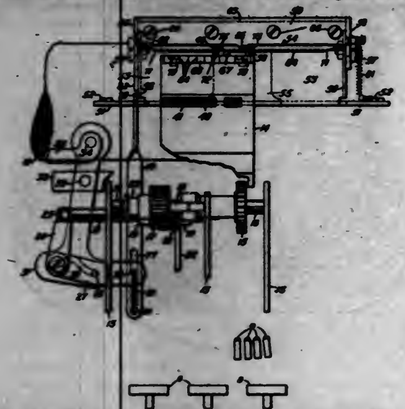


A device of the kind described comprising an electric circuit and a plurality of submerged coils, a rod, and a line depending from said rod, a metallic member attached to the lower end of said rod and adapted to be submerged, and a float connected to said line and adapted to maintain the metallic member at a definite depth, the rod and line serving to direct the metallic member into alignment with one of the coils so that said member may be attracted and the float submerged.

1,483,580.—CALCULATING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,204. 14 Claims. (Cl. 235—59.)

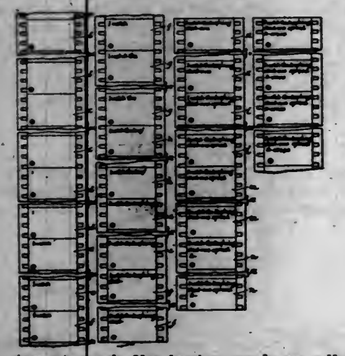
2. In a calculating machine, the combination with a carriage, a totalizer, keys, and means controlled by said

keys and carriage for operating said totaliser in one denomination after another, of a latch adapted to move



into engagement with a co-operating part to lock the carriage, and means controlled by the state of the totaliser for controlling the movement of said latch.

1,483,581. CINEMATOGRAPH FILM. GUSTAVE G. HEGEMAN, Chicago, Ill. Filed May 27, 1922. Serial No. 564,195. 2 Claims. (Cl. 88—16.)



1. A cinematograph film having words or syllables of a song text applied thereto progressively to succeeding series of its frames until the entire text appears, the number of frames in each series depending upon the quality of the note to which the respective word or syllable is to be sung, so that the words or syllables will appear on the screen in synchronism with the playing of the respective music notes when the screen is run off at a uniform rate.

1,483,582. PISTON RING. GRANT JACOBS, Des Moines, Iowa. Filed Aug. 1, 1922. Serial No. 578,943. 2 Claims. (Cl. 74—109.)



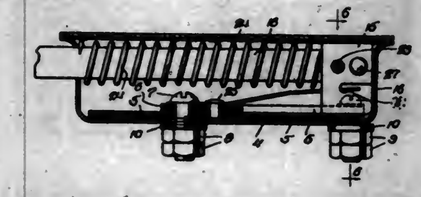
1. An improved piston ring comprising a body portion made of spring metal and split, said body portion being formed with an annular groove in its outer surface, and a second ring formed of heat resisting, fibrous, flexible material mounted in said annular groove and formed into a complete circle extended across the split portion of the metal piston ring body, for the purposes stated.

1,483,583. TUBE FOR PERMANENT HAIR WAVING. HANNAH JACOBS, Brooklyn, N. Y. Filed Aug. 18, 1922. Serial No. 582,697. 3 Claims. (Cl. 132—36.)



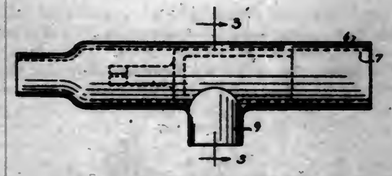
1. A tube adapted to enclose a curler in the process of permanently waving hair, said tube having an external spring adapted to engage the exterior of a tubular heater when the latter is passed endwise over said tube, for the purpose set forth.

1,483,584. ELECTRIC PULL SWITCH. THOMAS J. KERWIN, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Feb. 23, 1922. Serial No. 538,499. 6 Claims. (Cl. 200—161.)



1. An electric switch including an elongated casing of rectangular section, an operating member movable longitudinally thereof and having a head slidably engaging two opposed longitudinal walls of the casing, and a guide pin fast upon and extending transversely of the head and slidably engaging the other two longitudinal walls of the casing.

1,483,585. VALVE. JOHN KINCHELOE, Fresno, Calif. Filed Aug. 22, 1922. Serial No. 583,634. 4 Claims. (Cl. 251—100.)

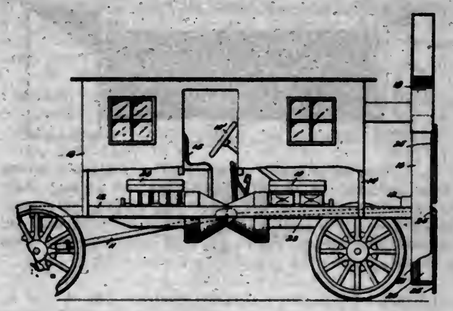


4. A valve comprising a tubular casing having one end reduced in size to form a narrow concentric neck and an opening in the side thereof centrally of its length and being interiorly screwthreaded throughout except at said neck; a cup-shaped valve mounted within said casing in screwthreaded engagement therewith having an opening in the side thereof, adapted to be brought into register with the side opening of the casing and having a stem; said casing and valve being so proportioned and arranged that said valve stem is always inclosed within said casing at a distance from said neck.

1,483,586. SNOW REMOVER. PETER EDWARD LARSON, Orfordville, Wis. Filed May 3, 1923. Serial No. 636,430. 6 Claims. (Cl. 37—43.)

1. An apparatus for removing snow from roadways, comprising a truck having a propulsion power plant, a frame mounted on the chassis of said truck, a pair of housings having open front ends secured to the forward end of said frame, said housings having discharge pipes

extending upwardly and tangentially therefrom and having laterally curved extensions, a motor mounted on each side of said frame adjacent the rear end thereof, a shaft driven by each of said motors projecting forwardly therefrom into said housings, a plurality of blades in each

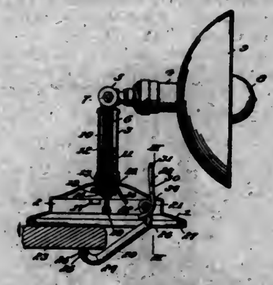


of said housings secured to said shafts radially thereof, each of said blades having a cutting edge inclined in the direction of rotation, said cutting edges extending in front of said housings and beyond the outer peripheries thereof.

1,483,587. VARNISH AND PAINT REMOVING COMPOSITION AND PROCESS FOR USING THE SAME. GERALD H. MAINS, Detroit, Mich., dedicated, by mesne assignments, to the citizens of the United States. Filed Feb. 23, 1923. Serial No. 620,822. 5 Claims. (Cl. 87—5.) (Filed under the act of Mar. 2, 1883, 22 Stat. L., 625.)

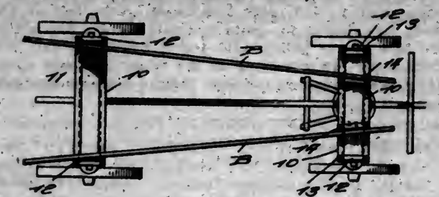
4. A process for removing paint and varnish from surfaces, consisting in applying to said surfaces a paste made up of a furfur-alcohol-containing liquid ingredient and starch, in permitting said paste to remain upon said surfaces for a period sufficient to exert efficient solvent action but short enough so that the interior portion of the paste layer is still moist, and in subsequently removing from said surfaces the loosened paint and varnish together with the paste residue.

1,483,588. ELECTRIC-LIGHT-STAND ADJUSTER. ANTHONY MEYERS and HARRY SIMMONS, New York, N. Y. Filed Jan. 13, 1923. Serial No. 612,492. 7 Claims. (Cl. 242—52.)



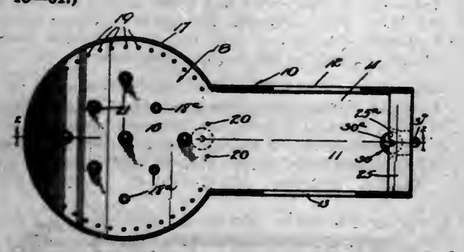
1. A lamp having a base, a clamping member hinged at one end to the base, said clamping member comprising a piece of looped wire having its end portions spaced apart at the hinged end of the member, a spring for normally holding said clamping member in engagement with a fixture, and an operating member for the clamping member extending through the base and having oppositely extending portions engaging said spaced end portions of the looped wire of the clamping member.

1,483,589. HAYRACK OR BODY SUPPORTING CLEAT FOR WAGONS AND SLEIGHS. PETER J. MICHAELIS, Kievenville, Wis. Filed Aug. 28, 1923. Serial No. 659,022. 4 Claims. (Cl. 280—143.)



3. The combination with a vehicle having forward and rear bolsters, of cleats adapted to rest upon and engage said bolsters, each cleat consisting of a pair of angle irons having downwardly extending flanges spaced from each other to receive a bolster between them, the angle irons being connected at their ends by angle irons extending longitudinally of the wagon and having upwardly extending flanges having bolt holes, and intermediate angle irons having upwardly extending flanges formed with bolt holes, the intermediate angle irons extending in the general direction of the length of the wagon and being removably engaged with the first named angle irons.

1,483,590. GAME. JOSEPH MORANG, Chicago, Ill. Filed Feb. 24, 1919. Serial No. 278,692. 1 Claim. (Cl. 46—61.)



A game comprising a walled enclosure, a spinning member located therein, said enclosure including an approach and an enlarged playing field, resilient pins located within the latter and extending in a line substantially parallel to the wall thereof and spaced from said wall, said resilient pins being spaced apart a distance less than the diameter of said spinning member to prevent impact of the latter with said side wall, a resilient pin located in said approach at the entrance of the latter into said field and spaced from the nearest of the first named pins a distance greater than the diameter of said spinning member in order to provide a plurality of gateways through which the latter may enter said field, and overturnable pins located in said field to be engaged by said spinning member.

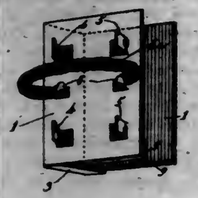
1,483,591. FAN BELT. LEE MURRAY, Minneapolis, Minn., assignor to Durkee-Atwood Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 23, 1921. Serial No. 471,848. 1 Claim. (Cl. 74—63.)



An endless belt composed of a concentrically arranged series of fabric strips cut obliquely to the direction of the threads of the fabric to allow longitudinal stretch

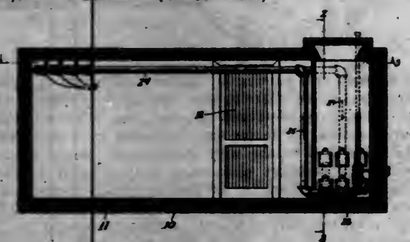
thereof, said strips being laid unattached to each other one upon the other with their corresponding longitudinal edges in alignment substantially and a rubberized jacket wrapped around said strips and having its longitudinal edges lapping each other lengthwise of the belt on the inner face thereof for contact of said lapping edges with the face of the pulley, said jacket concealing and protecting the raw cut edges of the fabric and said strips and jacket being vulcanized to form a homogeneous endless belt.

1,483,592. MATCH-BOX HOLDER. HENRY G. PELSTRING, Covington, Ky., assignor, by mesne assignments, to The Kemper-Thomas Company, Norwood, Ohio, a Corporation of Ohio. Filed Sept. 17, 1921. Serial No. 501,441. 4 Claims. (Cl. 224—29.)



1. A device of the character described, comprising a three-sided holder for a box of safety matches or the like, abutments on said holder adapted to straddle and find a bearing against other than a flat steering column, and a spring, said spring and holder having inter-engaging means thereon, whereby the spring can be set around a steering column and hold the box abutments thereagainst, as and for the purpose described.

1,483,593. REFRIGERATING SYSTEM. LEWIS PENWELL, Chicago, Ill., assignor, by mesne assignments, to Refrigerator Car Equipment Company, a Corporation of Washington. Filed Feb. 3, 1921. Serial No. 442,071. 5 Claims. (Cl. 62—101.)



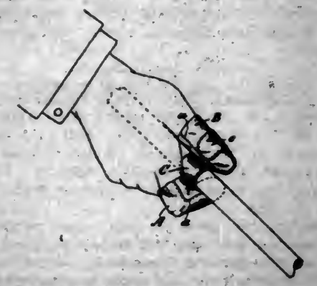
1. In a system of the class described, the combination with a body having a refrigerating chamber therein, of a plurality of circulating units arranged in said chamber, a pair of refrigerant tanks arranged exteriorly of said refrigerating chamber, one of said tanks serving as a source of supply and the other serving to receive the refrigerant discharged by said units, said tanks communicating with each other for effecting transfer of the refrigerant from the receiving tank to the supply tank, means for preventing back-flow of the refrigerant in its circulation, whereby to insure uni-directional movement of the refrigerant through the tanks and units, feed extensions connected to said circulatory units and communicating with the interior of the supply tank, said feed extensions being subject to the relatively high temperature of the refrigerating chamber, and discharge extensions also connected to said circulatory units, said discharge extensions being located within the receiving tank and subject to the relatively low temperature thereof, whereby to vary the specific gravity of the refrigerant at separated points to maintain circulation of the same through the units.

1,483,594. GRADING MACHINE. CHARLES G. PFEIFFER, Philadelphia, Pa., assignor to Specialty Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1922. Serial No. 549,569. 10 Claims. (Cl. 82—56.)



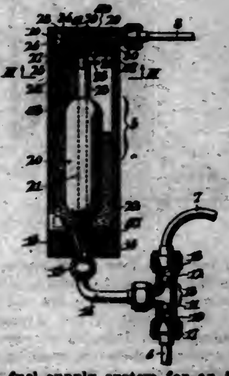
1. A grading machine comprising a rotatable screen drum mounted on an axial shaft, one end of said shaft being universally and the other end eccentrically journaled, means for moving the eccentrically journaled end of said axial shaft, and a friction drive operable from a source of power to actuate the screen drum.

1,483,595. GOLF-CLUB-GRIPPING DEVICE. LINUS G. READ, Bridgeport, Conn. Filed Aug. 10, 1922, Serial No. 580,904. Renewed Nov. 28, 1923. 5 Claims. (Cl. 46—4.)



1. A golf club gripping device comprising a pair of finger sheaths, a golf club embracing and positioning strap, one flat end portion of which is secured against one sheath and the other end portion secured flat against the other sheath in a manner to connect the adjacent faces of the finger sheaths together, and to embrace the club intermediately the ends of said other sheath and with the club in parallel relation to said other sheath.

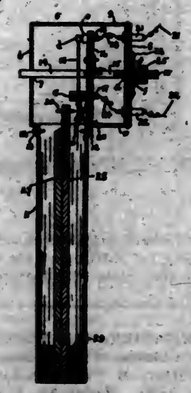
1,483,596. FUEL-SUPPLY SYSTEM. JOSEPH PERCY REMINGTON, Philadelphia, Pa., assignor to Remington Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1920. Serial No. 380,121. 18 Claims. (Cl. 158—36.)



1. In a liquid fuel supply system for an internal combustion engine, the combination with a pump chamber drawing from the source of fuel supply and delivering

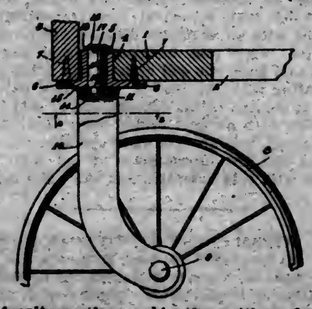
to the engine feed device, and means of connection from the engine intake to said pump chamber for bringing the liquid under the influence of the intake suction; of means responsive to the flow of liquid to said engine feed device for controlling the periods of such influence; and a plurality of differentially responsive ball valves responsive to the intensity of the said intake suction itself for controlling the period of such influence according to the operating requirements of the engine.

1,483,597. BIMETALLIC ELECTRIC THERMOREGULATOR. ERNEST HENRY RUDDIGER, Bismarck, N. Dak. Filed Apr. 21, 1922. Serial No. 555,886. 3 Claims. (Cl. 200—138.)



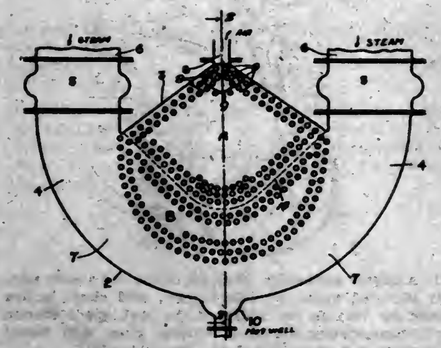
1. A bimetallic electric thermo-regulator, comprising in combination with a casing and a communicating receptacle, an adjusting-arm mounted upon and extending within the casing, an insulating-bar mounted on the adjusting-arm, an electrical contact-post on said bar, a second electrical contact-post on said bar, an electrical conducting-rod pivotally mounted between its ends on the first named post and normally engaging the second post to form a part of an electrical circuit, the parts of said rod outwardly of its pivotal mounting being approximately of equal weight, a bimetallic bar in the receptacle normally disengaged from said rod and adapted, when subjected to a change in temperature to be moved into engagement with said rod to cause disengagement of the latter from the second electrical contact-post, said arm being adjustable longitudinally for maintaining the electrical conducting-rod at selected distances from the bi-metallic bar.

1,483,598. CASTER WHEEL. HENRY G. RUNNS, Rochester, N. Y., assignor, by direct and mesne assignments, to E. Maurice Trimble, Rochester, N. Y. Filed Mar. 21, 1922. Serial No. 545,535. 2 Claims. (Cl. 16—18.)



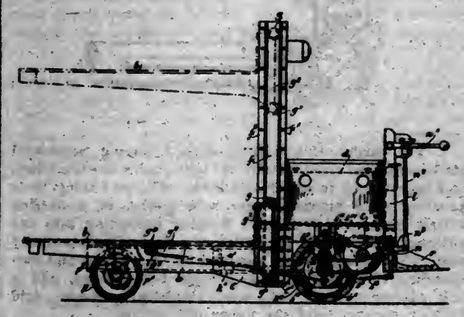
2. In furniture, the combination with a frame piece having a vertical bearing therein, of a wheel, an axle yoke supported thereby and upon which the yoke rests, a stud fixed to the yoke and extending rotatably through the frame piece to project from the upper side thereof such projecting portion being provided with a head, and a spring locking clip embracing the stud beneath the head, said clip being of a bifurcated formation permitting it to be snapped into or out of engaging position.

1,483,599. CONDENSER. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1920, Serial No. 360,188. Renewed Apr. 20, 1921. Serial No. 462,998. 16 Claims. (Cl. 257—43.)



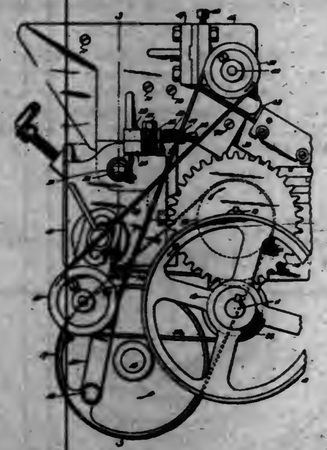
1. A condenser comprising a shell and a nest of tubes within the shell, the said shell being provided with a pair of spaced inlet passages adapted to admit fluid to opposite sides of the nest of tubes and a non-condensable fluid offtake between the said inlet passages and above the nest of tubes.

1,483,600. INDUSTRIAL TRUCK. WILLIAM SCHROEDER, Jr., Brooklyn, N. Y. Filed Sept. 17, 1921. Serial No. 501,287. 3 Claims. (Cl. 187—9.)



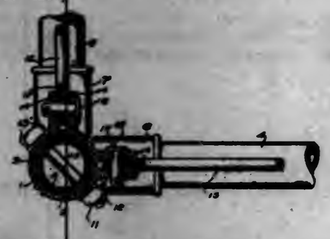
3. In an industrial truck, in combination with the chassis, having side frame members, a platform supporting frame formed of commerical rolled stock of standard cross section and comprising vertical plates secured to said side frame members, angle pieces secured to said plates in parallelism and in spaced relationship to form trackways on the outer faces thereof, an elevating platform, and a traveling carriage carrying said platform and supporting it by a cantilever suspension formed by means of two spaced rollers at each side thereof adapted to rest in the respective trackways.

1,483,601. HOPPER MECHANISM. LARS W. THORSELL, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed July 1, 1921. Serial No. 481,863. 37 Claims. (Cl. 10—167.)



1. A hopper mechanism having a chute, and a slide movably mounted upon one side thereof, said chute having means for varying the width of the open space therein for accommodating blanks of various sizes, said means comprising a fixed plate and an adjustable plate.

1,483,602. DERRICK FITTING. RICHARD RALPH BLOSS and WILLIAM SCHWEMLEIN, Parkersburg, W. Va., assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a Corporation of West Virginia. Filed Dec. 24, 1920. Serial No. 432,916. 2 Claims. (Cl. 189—19.)

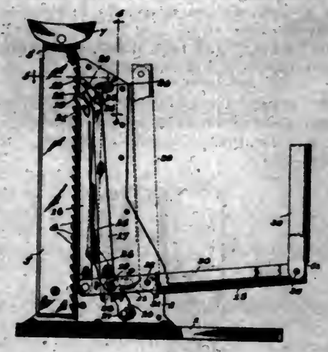


1. The combination with a derrick having horizontal girths arranged substantially at right angles to each other, and legs formed in upper and lower sections having their abutting ends arranged near said girths, of a derrick fitting comprising a tubular member projecting into the adjacent ends of said leg sections, a pair of substantially semi cylindrical members mounted on said girths and surrounding the adjacent ends of said leg sections, and a bolt passing through said semi-cylindrical members, said tubular member, and the upper leg section.

1,483,603. AUTOMOBILE JACK. THOMAS WILLIAM BINE, Ellensburg, Wash. Filed Apr. 11, 1923. Serial No. 631,455. 8 Claims. (Cl. 254—111.)

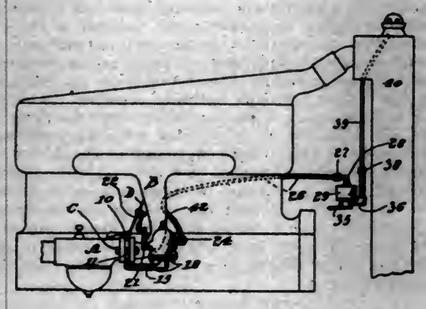
2. In a jack, a rack, a lever operated dog for actuating the rack and pawl means operative both to secure the rack and to return the dog and its lever to operative position.

5. A jack comprising a frame, a rack slidable in the frame, a lever having a sliding pivotal mounting in the frame, a dog pivotally mounted on the lever, a pawl pivotally mounted on the lever eccentrically with respect to the latter's pivot, resilient means connecting the



dog and pawl, stop means operative on said resilient means and means whereby the shifting of the pivotal mount of the lever relative the frame will operate the stop.

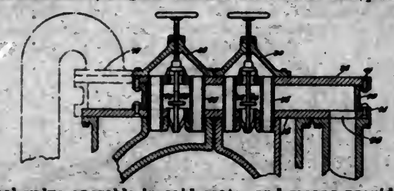
1,483,604. HUMIDIFIER FOR MOTORS. EDWARD J. CUNNINGHAM, Chicago, Ill., assignor to Walter G. Critchlow and Harry M. Valentine, both of Chicago, Ill. Filed Oct. 13, 1920. Serial No. 416,711. 4 Claims. (Cl. 123—25.)



1. In a device of the character described, a block adapted to be interposed between a carburetor and the intake manifold of an internal combustion motor, said block being provided with a central bore transversely therethrough and with an angularly disposed hollow extension, a perforated vapor tube mounted in said block transversely of said bore, one end of said tube being open and communicating with the bore of the hollow extension, a valve casing secured to the opposite end of said extension and provided with an inlet orifice communicating with a moisture supply, and an externally operated valve within said casing disposed intermediate of the point of communication with said extension and said inlet orifice.

1,483,605. STEAM-CHEST CONSTRUCTION FOR TURBINES. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,276. 11 Claims. (Cl. 253—78.)

1. In a pressure chest construction for fluid pressure turbines, the combination with an outer plate, of an inner plate, a sealing wall structure therebetween to form a closed chamber, aligned valve seats in said two plates, a



spool valve operable in said seats, and means providing a path for fluid flow for the fluid passed through said outer plate to the inner side of the inner plate.

1,483,606. DIFFERENTIAL GEARING. JOHN KROHN, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,316. 7 Claims. (Cl. 74—99.)



1. A differential gearing of the class described comprising a casing having an annular series of teeth on its inner surface, a pair of driven gears, and an intermediate member between said gears having teeth for engaging said gears and a set of teeth for meshing with the teeth on said casing.

1,483,607. FOLDING STRETCHER. HORST LIEDTKE, Berlin-Schoneberg, Germany. Filed July 28, 1923. Serial No. 654,402. 1 Claim. (Cl. 5—82.)



In a folding stretcher, a frame composed of two sections pivotally connected at their adjacent ends, handles carried by the outer ends of the frame sections, means for locking the sections in alinement, pairs of legs pivotally connected to the frame sections at points located outwardly of the pivotal connection between the sections, a rod connecting the opposite extremities of said legs, supporting wheels journaled on said rod, additional legs pivotally secured intermediate their ends to the medial portions of the first mentioned legs, means pivotally connecting certain ends of the second mentioned legs in pairs, and wheels carried by the opposite extremities of the second mentioned legs, the sections of said frame being adapted, subsequent to the release of the locking means, to be folded together, the handles carried by said frame sections moving downwardly and inwardly relative to the pivotal connection between the sections and the first and second mentioned legs folding together into close compact relation, the handles being of such length as to project below the wheels when the stretcher is folded and thus support the latter in an upright position when the wheels are elevated.

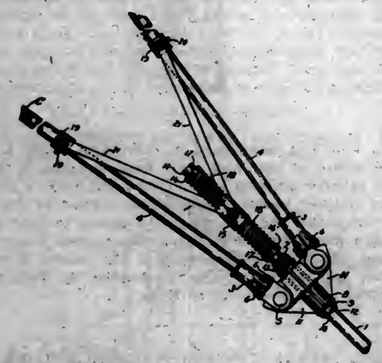
1,483,608. CURRENT-COLLECTOR SUPPORT. ELLIS S. LINCOLN, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 30, 1921. Serial No. 504,430. 27 Claims. (Cl. 191—57.)

1. The combination with a plurality of conductors of a support comprising a main member, a head swivelly mounted thereon to rotate about the axis of the main member, a plurality of arms pivotally mounted upon the head to move in a common plane and forming angles



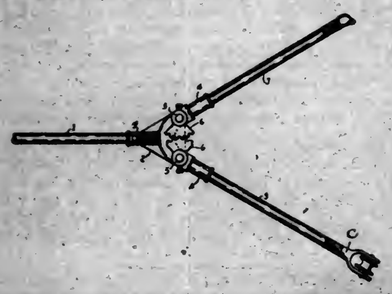
with said axis and means for the attachment of current collecting means to each of the arms to engage the conductors.

1,483,609. CURRENT-COLLECTOR SUPPORT. ELLIS S. LINCOLN, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Oct. 5, 1921. Serial No. 505,455. 18 Claims. (Cl. 191—57.)



1. A supporting arm as described, two auxiliary arms pivotally mounted thereon each to receive a current collector and move toward or away from each other in the same plane about the pivotal point and means yieldably holding the auxiliary arms in a predetermined position.

1,483,610. CURRENT-COLLECTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Oct. 10, 1921. Serial No. 506,652. 19 Claims. (Cl. 191—57.)



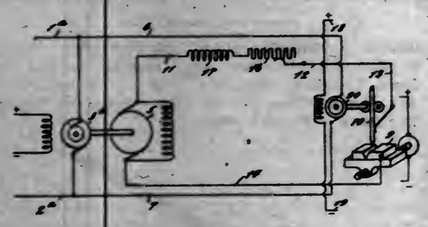
1. A support for current collecting means comprising an arm, a pair of inter-connected collector supporting auxiliary arms pivotally mounted to said arm to pivot simultaneously towards or away from each other.

1,483,611. HYDRAULIC EXPANDER FOR WELL DRILLS AND THE LIKE. JESSE PERKINS MILLER, Houma, La., assignor of one-half to J. H. Thatcher, Houma, La. Filed Jan. 9, 1922. Serial No. 527,933. 10 Claims. (Cl. 255—75.)



1. A well tool comprising a cylindrical body, a bit head attached to said body, said head including a wash hole, a cylinder situated in the cylindrical body, a piston in said cylinder having a rod, blades carried by the bit head, and means through which the piston rod has contact with the blades for the expansion thereof under the influence of fluid pressure against the piston in said cylinder, said wash hole also conducting the fluid past the blades to wash out the cuttings.

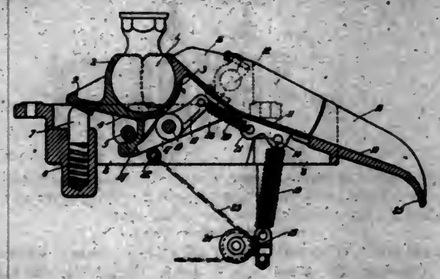
1,483,612. APPARATUS FOR WELDING AND METHOD OF OPERATING THE SAME. HARRY D. MORTON, New York, N. Y. Filed Nov. 17, 1922. Serial No. 601,475. 28 Claims. (Cl. 219—8.)



1. The method of electric arc welding which consists in automatically feeding a welding strip toward the work at a constant rate and so proportioning the voltage of the welding circuit external to the arc to the voltage applied to the welding circuit as to produce a normal arc voltage in excess of one-half the impressed voltage.

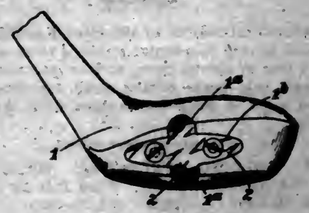
1,483,613. MEANS FOR COUPLING VEHICLES. MATT PAYNE, London, England. Filed Mar. 6, 1923. Serial No. 623,256. 4 Claims. (Cl. 280—33.1.)

1. A device for coupling vehicles, comprising a ball member depending from one vehicle, a ball socket on another vehicle having a movable portion, and a movable inclined guide for guiding said ball member into



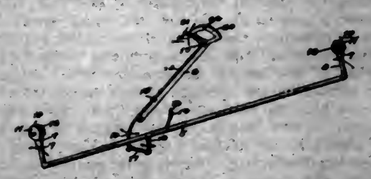
said socket, said movable portion of the ball socket being carried by said movable inclined guide.

1,483,614. GOLF CLUB. WILLIAM F. REACH, Chicopee, Mass., assignor to A. G. Spalding & Bros., Chicopee, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1921. Serial No. 509,370. 2 Claims. (Cl. 46—4.)



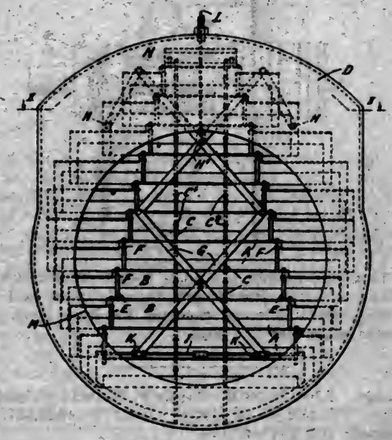
1. A wooden golf club head having a hard metal weight embedded or countersunk in the rear face thereof, said weight being of substantially wedge shape in cross section and having its forward edge curved on substantially the arc of a circle, said weight having elongated bosses projecting above and below the body of the weight, said bosses being countersunk in the rear face of the head and terminating at the upper and lower faces respectively of the rear portion of the club head.

1,483,615. SIGNALING DEVICE FOR VEHICLES. DAVID ALEXANDER RITCHIE, Centralia, Ill. Filed Dec. 4, 1922. Serial No. 604,931. 1 Claim. (Cl. 116—47.)



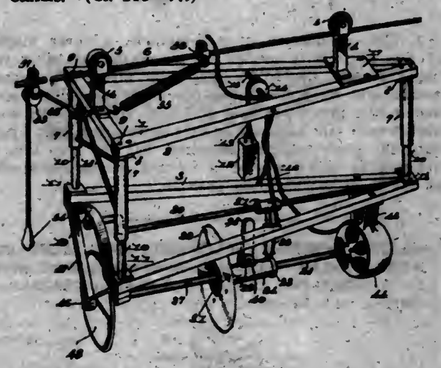
A signaling device comprising a longitudinal tubular member, means for rotatably supporting the tubular member in position to extend longitudinally of a vehicle, similar signal arms at the opposite ends of said longitudinal tubular member, and extending substantially at right angles to the latter, incandescent lamps carried by the extremities of said signal arms, each of said incandescent lamps having the portions of the globes thereof proximate to the vehicle colored, conductors leading from said incandescent lamps through the longitudinal tubular member and adapted for connection with a suitable source of electric current supply and means for rocking the longitudinal tubular member to vary the angular relation of said signal arms to a horizontal plane.

1,483,616. SHUTTER FOR THE HEADLIGHTS OF MOTOR CARS, MOTOR CYCLES, AND OTHER VEHICLES. FRANCIS W. J. ROBINSON, Germiston, Transvaal, South Africa. Filed Apr. 23, 1923. Serial No. 634,100. 2 Claims. (Cl. 240—45.2.)



1. A shutter for headlights, comprising a vertical set of connected leaves, a horizontal member secured to the upper part of the bottom leaf and provided with a pair of spaced slides, a case or holder wherein the leaves are disposed, a lazy-tongs device within the case for operating said leaves pivotally connected at its lower end to said slides and at its upper end to one wall of said case, and a member connected to the upper portion of the lazy-tongs device to actuate the same; substantially as described.

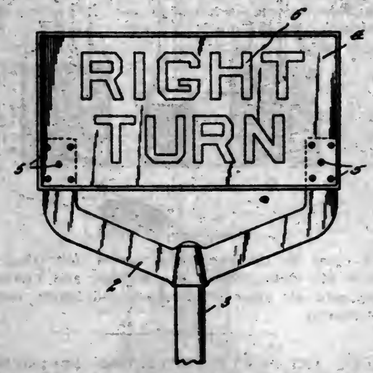
1,483,617. MEAT CUTTER. GENIAN B. RUNYAN, Kusa, Okla. Filed May 22, 1923. Serial No. 640,759. 15 Claims. (Cl. 146—77.)



1. A meat cutter comprising a rotary knife for making the initial cut, a rotary saw normally spaced from the knife to make room for the knife, means by which the saw is moved into close proximity to the knife for the cutting of a bone when reached, a shaft upon which the knife and saw are mounted and means by which the saw may be clutched to and from the shaft at will.

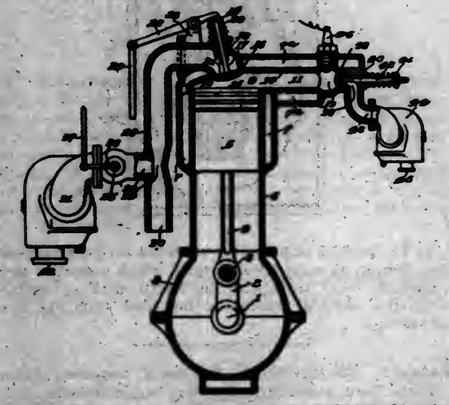
1,483,618. SIGN. THORNTON SECOR, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,701. 1 Claim. (Cl. 40—125.)

A sign comprising a plate surrounded around its edge by an upstanding flange, signal indicia applied to the surface of the plate and located within the flange, a gasket applied to the edge of the flange, a transparency applied to the gasket and disposed over the intermediate portion of the plate and the indicia thereon, the lower portion of the flange being provided with drain openings disposed between the gasket and the intermediate



portion of the plate, a rim member applied to the outer surfaces of the flange and having an inwardly disposed flange lying over the edge portions of the transparency, and securing devices passing transversely through the rim member and the first mentioned flange and holding the transparency in close contact with the gasket.

1,483,619. INTERNAL-COMBUSTION ENGINE. GEORGE W. SMITH, Jr., Riverton, N. J. Filed Dec. 2, 1921. Serial No. 519,340. 9 Claims. (Cl. 123—75.)

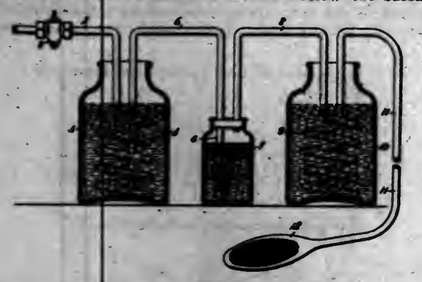


1. In an internal combustion engine, the combination of a cylinder, a working piston therein, means for supplying to said cylinder a constant volume of air on each intake stroke, means for mixing with said air a variable amount of fuel, said amount being substantially proportional on each intake to the load then on the engine, a relatively small explosion chamber, means comprising a tapering passage or chamber connecting said explosion chamber with the interior of said cylinder, the small end of said passage or chamber opening into said explosion chamber, and means for supplying a constant volume of explosive mixture to said explosion chamber and to said passage on each intake stroke of the engine.

1,483,620. MEANS FOR ADMINISTERING AN ANÆSTHETIC. CHARLES SPINOLA, Vancouver, British Columbia, Canada. Filed Dec. 27, 1921. Serial No. 525,004. 2 Claims. (Cl. 128—192.)

1. A means for administering ether, said means comprising a tube, means for delivering air under pressure

into the tube, means for heating the tube, a container in which a body of liquid ether is maintained, means delivering the air as heated in the tube below the surface



of the ether in the container, means delivering such etherized air alone from the container, and means for heating said air after etherisation and before delivery to the patient.

1,483,621. ART OF ELECTROTYPING. EDMUND VOIGT, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,936. 5 Claims. (Cl. 204—8.)



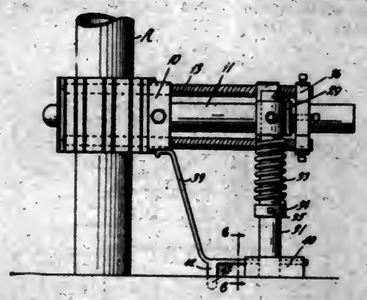
1. The method of preparing a matrix for electrodeposition thereon of an electrotype-shell, which comprises providing the outer surface of the matrix with an electroconductive surface electrically insulated from the matrix-surface.

1,483,622. STREET SIGN. WALTER K. VOORHEES, Cedar Falls, Iowa, assignor to Standard Manufacturing Company, Cedar Falls, Iowa. Filed Jan. 8, 1923. Serial No. 611,359. 1 Claim. (Cl. 40—145.)



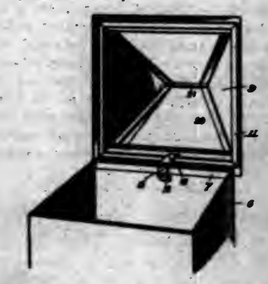
Superposed signs having on their abutting edges flattened bearing extensions provided with arcuate concentric slots, and securing devices in said slots to adjustably secure one sign in a desired position of relative horizontal rotatable adjustment on the other sign.

1,483,623. PIPE WRENCH. FELIX E. VOORHEES and OSCAR V. JONES, Dallas, Tex. Filed Mar. 25, 1922. Serial No. 546,564. 9 Claims. (Cl. 255—35.)



1. In a pipe wrench, a head, a hook lever mounted on the head, a flexible jaw for gripping an article, said jaw having a ball at one end engaging the hook lever, and a handle supporting the head.

1,483,624. STOP HINGE. JAMES P. WALKER, Columbus, Ohio. Filed Mar. 29, 1923. Serial No. 628,627. 3 Claims. (Cl. 217—57.)



1. The combination of a receptacle, a cover hinged thereto on an axis outside the receptacle and below the upper margin thereof; a stop arm pivotally mounted within said receptacle below the upper margin thereof; and a link pivoted to said stop arm and pivotally connected with said cover on an axis spaced from said hinge axis, the parts being so arranged that the stop arm is arrested by collision with a portion of the receptacle, as the cover reaches open position.

1,483,625. SPRING ATTACHMENT FOR ACCELERATOR PEDALS. SAMUEL E. ARMSTRONG, Washington, D. C. Filed Dec. 24, 1921. Serial No. 524,598. 4 Claims. (Cl. 74—81.)



1. The combination with a throttle operating mechanism for an automobile, including an accelerator pedal, of a spring about the stem of said pedal to counteract the pressure of the driver's foot, said spring being held against rotation on said stem at its ends but being slidable thereon that either end may be removed from said stem and rotated to adjust the tension of said spring.

1,483,626. MINER'S CAP. JOSEPH F. GAYESKI, Shamokin, Pa. Filed May 17, 1923. Serial No. 639,485. 1 Claim. (Cl. 2—106.)

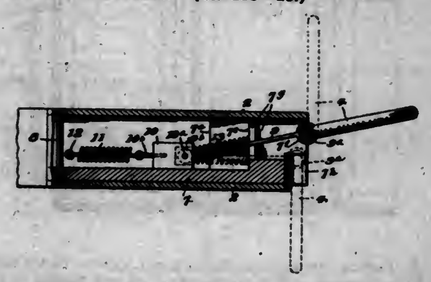


1. A miner's cap including a cap portion, a visor carried thereby having the portion at the front of the cap spaced from said cap portion, a lamp bracket mounted on the visor at the front of the cap and secured to the top of said cap portion, and a protecting shield secured to said visor at the front of said cap portion between said cap portion and the lamp bracket.

1,483,627. PROCESS OF SEPARATING THE CONSTITUENTS OF MINERAL SILICATES. JOHN B. LA RUE and SHERMAN W. SCOFIELD, Cleveland, Ohio; said La Rue assignor to said Scofield. Filed Sept. 2, 1920. Serial No. 407,724. 1 Claim. (Cl. 23—22.)

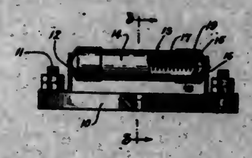
In the process of converting potash-feldspar into potassium silicate and aluminate by means of converting crystalline feldspar into amorphous feldspar and heating a mixture of said amorphous feldspar and a solution of caustic potash in a closed vessel, the step of converting silicic acid into silica which consists in continuing the heating until the moisture is absorbed by the crystalline mass, resulting in a material reduction of the pressure and a material increase in the temperature.

1,483,628. MINE-CAR COUPLER. CHARLES W. LAUBY, Vincennes, Ind. Filed Nov. 6, 1922. Serial No. 599,237. 11 Claims. (Cl. 213—18.)



1. Coupling mechanism for cars embodying a bumper, a draw head carried thereby and arranged longitudinally thereof and laterally swingable with respect thereto, and a coupling draw bar arranged longitudinally of said head and carried thereby and vertically swingable with respect thereto.

1,483,629. CURRENT REGULATOR. SAMUEL RUTTENBERG and MEYER F. LEIBOWITZ, New York, N. Y. Filed July 18, 1922. Serial No. 574,805. 7 Claims. (Cl. 219—68.)

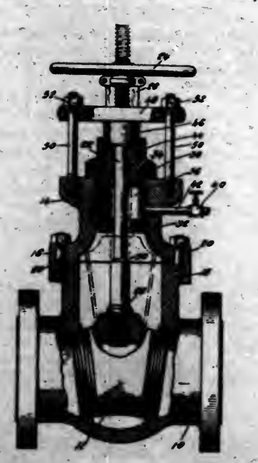


1. A device in cartridge form for automatic regulation of the current in an audion tube filament.

1,483,630. METHOD OF PRESERVING AND TREATING PAPER PULP. JUDSON A. DE CEW, Mount Vernon, N. Y., assignor to Process Engineers Incorporated, New York, N. Y. Filed Aug. 24, 1921. Serial No. 495,096. 4 Claims. (Cl. 92—21.)

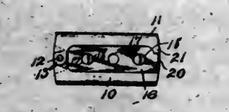
1. A method of preserving and hardening paper which consists in adding to the pulp a solution of formaldehyde and completely mixing it with the pulp before passing the pulp to the paper machine.

1,483,631. VALVE-OPERATING MECHANISM. JOHN W. FORBES, Flint, Mich. Filed Apr. 25, 1923. Serial No. 634,485. 12 Claims. (Cl. 251—32.)



1. Valve operating mechanism comprising, in combination, an axially movable valve stem, and a guide therefor, the stem being provided with a pair of spaced shoulders, and the guide being provided with an expansion chamber surrounding the stem and with a pair of seats at opposite ends of the expansion chamber constructed and arranged to be engaged by said shoulders to act as spaced seals to prevent the escape of fluid from the valve when the valve is open.

1,483,632. KNIFE. ALBERT L. FRY, Elizabeth, N. J. Filed July 26, 1922. Serial No. 577,503. 2 Claims. (Cl. 30—10.)

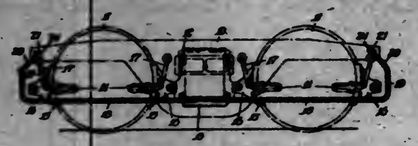


1. A knife comprising hinged members, one of said members having its back folded over to form a channel to receive one edge of a blade and having a shoulder at one end and ears at the other end to engage the ends of the blade, one wall of the member extending upward to form hooks extending toward the shoulder, and a second narrow channelled member hinged to the first member and having a projecting part at its end to engage the shoulder when the handle is closed.

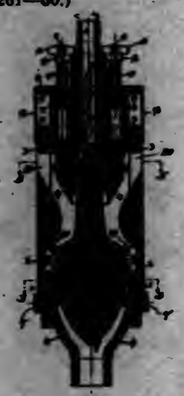
1,483,633. BRAKE-BEAM SAFETY MEANS. WILLIAM C. HEDGCOCK, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,109. 4 Claims. (Cl. 188—210.)

4. In a railway car truck, the combination of a side frame, a spring plank supported thereby having an aperture therein, a brake beam normally supported from said

side frame, and a brake beam safety bar having a longitudinally extending portion projecting through the aperture in said spring plank and partially supported by the latter and having another portion extending vertically upwardly and suspended from the side frame.

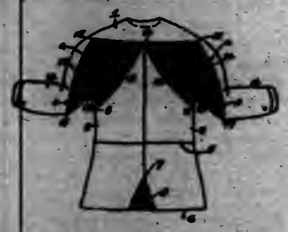


1,483,634. CARBURETOR. DAVID GUMBRAUM, Syracuse, N. Y. Filed Mar. 14, 1921. Serial No. 452,361. 4 Claims. (Cl. 261—50.)



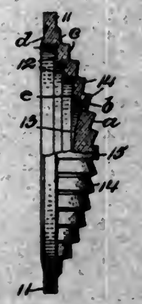
1. A carburetor comprising a casing open at both ends and having air inlet openings in its periphery; a fuel supply pipe having a closed end and peripheral discharge ports extending into one end of said casing with its closed end secured in the other end thereof so as to leave a discharge opening around the closed end of said pipe; a sleeve valve reciprocating on said fuel supply pipe to control the thickness of the fuel sheet stream and a second sleeve valve adjustably secured to the first mentioned sleeve valve and reciprocably mounted in the end of the casing to control the thickness of the air sheet stream, substantially as and for the purpose specified.

1,483,635. SPORTSMAN'S VEST. FRANK HORAK, Valparaiso, Ind., assignor of one-half to Max Hirsch, Valparaiso, Ind. Filed Aug. 19, 1921. Serial No. 493,746. 5 Claims. (Cl. 2—61.)



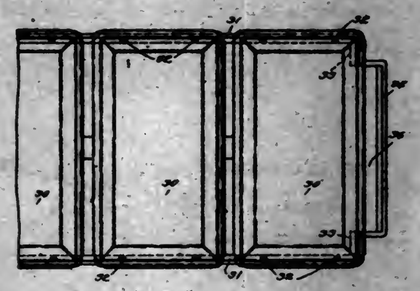
1. In self adjusting garments a body part, sleeve extremities and a shoulder piece formed of a relatively inelastic fabric, an elastic fabric under the arm and the rear side thereof from the elbow to the shoulder, and diagonal areas of similar fabric joined to the body below the shoulder line and extending from the center of the back diagonally downward terminating in a point under each arm, and also joined to the sleeve portions.

1,483,636. LENS. PAUL P. HORNI, Newark, N. J. Filed Dec. 7, 1922. Serial No. 605,430. 1 Claim. (Cl. 240—106.)



A lens of generally concavo-convex form, the concave face having a central bull's-eye and a series of concentric annular refractory prisms, the convex face having a series of straight parallel refractory prisms, the annular prisms being graduated so that those nearest the rim have a greater angle than those nearest the centre, the straight prisms being graduated so that those nearest the centre have a greater angle than those nearest the rim.

1,483,637. PEELING MECHANISM. ARTHUR KATZINGER, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1919. Serial No. 299,614. 18 Claims. (Cl. 33—7.)



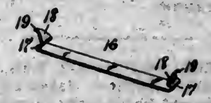
1. Peeling mechanism comprising a handle, and a pan-lifting member adjustably mounted on the handle.

1,483,638. SIX-WHEEL RAILWAY-CAR TRUCK. JOHN A. LAMONT, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 9, 1921. Serial No. 521,077. 10 Claims. (Cl. 105—195.)



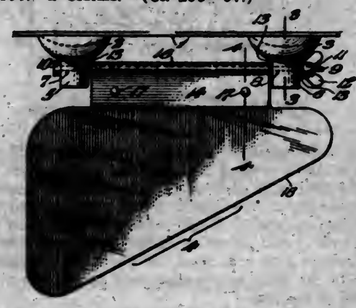
1. In a six-wheel truck, the combination of a side frame, an intermediate journal box, and an equalising lever in the form of a truss operatively connected to said side frame and journal box whereby the wheel base is reduced to a minimum.

1,483,639. COMPACT HOLDER FOR VANITY CASES. ERNEST W. LOUSSEN, Belleville, N. J. Filed Feb. 17, 1922. Serial No. 537,152. 2 Claims. (Cl. 132—82.)



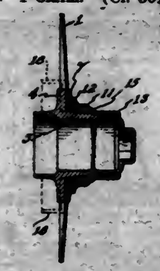
1. A compact holder for vanity cases comprising a strip of metal with a bottom portion to rest on the bottom of a vanity case, and having a hook-shaped end with an outwardly inclined prong, the hook-shaped part being adapted to be placed laterally on the edge of a compact and then carried with the compact flatwise within the case and pressed by the compact into close spring contact with the side wall of the case.

1,483,640. GLARE SHIELD. GEORGE E. MANNING, Philadelphia, Pa. Filed May 17, 1923. Serial No. 639,507. 2 Claims. (Cl. 296—97.)



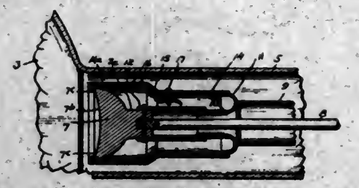
1. In a device of the character described, a plurality of suction cups having rearwardly projecting perforated bosses, a bolt passing through the perforated bosses, a supporting clip positioned between said cups and swingable on the bolt, washers intermediate the ends of said clips and on the bolt, a shield having its upper edge rigidly secured to said clip, and means on the bolt for locking the clip in a plurality of different positions.

1,483,641. DISK WHEEL. CLAUDE K. MONTGOMERY and CLAUD R. TROMLEY, Detroit, Mich. Filed July 19, 1920. Serial No. 397,479. 1 Claim. (Cl. 301—9.)



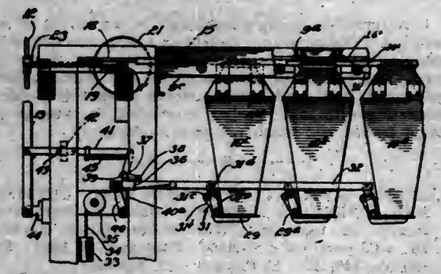
In a disk wheel, a hub having a flange provided with a radially corrugated outer face, a cylindrical portion adjacent the said face, a succeeding threaded portion adjacent the cylindrical portion, a second cylindrical portion adjacent and of less diameter than the said threaded portion, a second threaded portion adjacent the said second cylindrical portion extending to the hub end, one of said threaded portions being left hand threaded, a tapered clamping member having an inner corrugated face complemental to that of the hub flange and apertured to fit the first cylindrical portion of the hub, the two corrugated parts being adapted to secure a radially corrugated disk therebetween, a nut having a flange engaging against the said tapered clamping member, and a second nut providing a cap for the hub end and having a cylindrical part engaging over the said second cylindrical portion of the hub with the inner end seating against the first nut.

1,483,642. SAFETY DEVICE FOR VACUUM TUBES. ARTHUR MUTSCHELLER, New York, N. Y., assignor to Wappler Electric Company, Inc., a Corporation of New York. Filed July 17, 1919. Serial No. 311,518. 7 Claims. (Cl. 250—35.)



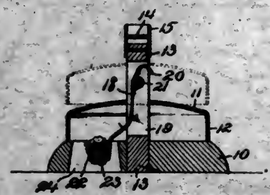
1. In a safety device for X-ray tubes the combination, with an exhausted glass cathode neck and a cathode shield and cathode located within said cathode neck, of a discharge gap located within said exhausted cathode neck and provided with means for localizing, at a particular point, the discharges from said cathode shield to said cathode.

1,483,643. APPARATUS FOR MEASURING MATERIALS IN CONCRETE CONSTRUCTION. HERMAN D. PALMER and JOHN W. BEHEL, Hartford, Wis., assignors to The Kissel Motor Car Company, Hartford, Wis., a Corporation of Wisconsin. Filed Dec. 5, 1921. Serial No. 519,896. 19 Claims. (Cl. 214—1.)



1. An apparatus for measuring and discharging materials in concrete construction having, in combination with a supporting structure, a bin mounted on said structure, a plurality of hoppers carried by said structure and having their upper ends in communication with the bin, valve means between the bin and hoppers adapted to control the flow of materials from the bin into the hoppers, and means adapted to release the materials from the respective hoppers simultaneously into a vehicle body located therebeneath.

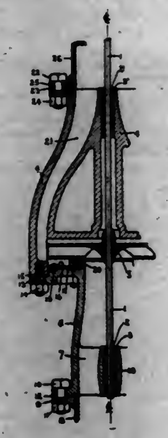
1,483,644. MOUSETRAP. JACOB RÖSE and FRANK E. BOWNE, Montclair, N. J. Filed Mar. 9, 1922. Serial No. 542,259. 3 Claims. (Cl. 43—78.)



1. A trap comprising a base, a killing element mounted so as to move to and from the base, a trigger having a bait-holding part and adapted to hold the killing ele-

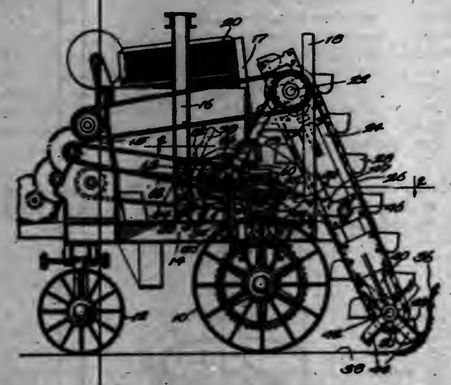
ment in raised position, and a spring for snapping the killing element shut when released, said spring being arranged on the back of said killing element and extending transversely, thereby forming a means whereby the trap can be set.

1,483,645. CENTRIFUGAL PUMP. CHARLES ROBERT SESSIONS, San Francisco, Calif. Filed Apr. 11, 1922. Serial No. 551,490. 5 Claims. (Cl. 103—111.)



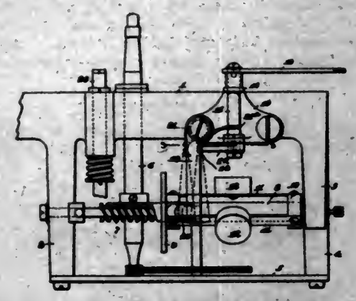
1. A centrifugal pump comprising a casing having an intake and a discharge port therein; a rotary impeller journaled in said casing between said intake and discharge ports; and annular diaphragm within said casing around said intake port; and resilient means on said diaphragm contacting with said impeller to prevent the passage of liquid around said impeller to said intake port.

1,483,646. SAFELY-CONTROLLED SAND CUTTING AND SCREENING MACHINE. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Apr. 13, 1921. Serial No. 461,162. 13 Claims. (Cl. 198—9.)



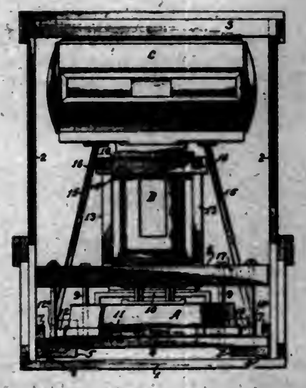
1. In mechanism of the class described, a wheeled vehicle, an elevator mechanism having a working nose near the floor, means for moving the nose of the elevator toward and from the floor, power driven mechanism for operating said elevator moving means and a manually controllable clutch having saw shaped interfitting teeth interposed between said power driven mechanism and the elevator moving means.

1,483,647. SPEED REGULATOR FOR TALKING-MACHINE MOTORS. ANTHONY VASELLI, Newark, N. J., assignor to General Phonograph Corporation, a Corporation of New York. Filed Aug. 23, 1920. Serial No. 405,227. 4 Claims. (Cl. 188—187.)



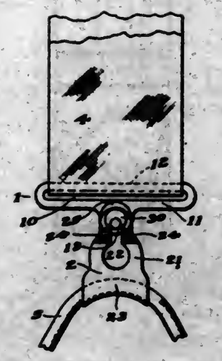
1. In a phonograph, a frame, a rotating shaft carried by the frame, a braking disk mounted on the shaft, means for operating said disk along said shaft in response to speed changes of the shaft, a bed plate carried by the frame, an arm pivoted to the plate, a braking shoe carried by the arm, a cam journaled in the plate, said cam adapted to rotate said arm upon its pivot, and a spring attached to the plate and holding said arm in contact with the face of the cam.

1,483,648. SHIPPING CRATE. JOHN WHITWORTH and CHARLES RODERICK, Woodstock, Ill., assignors to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1923. Serial No. 625,958. 14 Claims. (Cl. 217—52.)



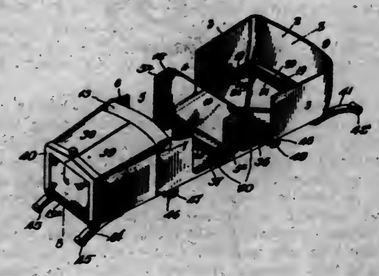
1. In a shipping crate for objects having bases upon which they stand when in use; a crate bottom, a bed adapted to the crated object and a bearing between the bottom and bed having a horizontal dimension materially less than that of the crated object base and positioned beneath the bed to leave the crated object supported upon essentially a rocking bearing and with a substantial overhanging portion, beyond said bearing, depressible under shocks directed upwardly beneath said overhanging portion.

1,483,649. CAST-OFF FOR SUSPENDERS. GEORGE A. CLARK, Seattle, Wash. Filed Aug. 31, 1922. Serial No. 585,396. 5 Claims. (Cl. 241—18.)



1. A cast-off for suspenders comprising a member having a pin provided with a head and a member complemental thereto and having two resiliently separated arms each provided with a keyhole slot for the reception of said pin, one of said arms having a projection from its general plane and located between the small and the large end of the slot, and engageable by the head of the pin when the latter is moved from the small end towards the large end of the slot.

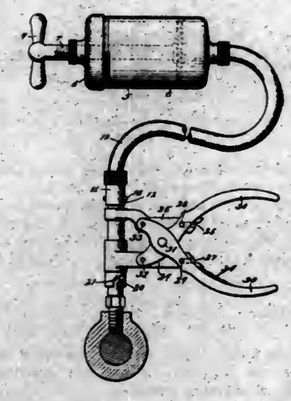
1,483,650. VEHICLE BODY. ELBERT A. CORBIN, Jr., Swarthmore, Pa. Filed Sept. 18, 1922. Serial No. 588,753. 14 Claims. (Cl. 296—28.)



1. The herein described blank for the sides and back of a vehicle body, comprising a strip having a solid central portion adapted to form the back, side members having cut-out portions forming door openings when the blank is bent at two points and the sides moved toward each other, and front upper cut-out terminal edges forming angular cowl supports when the blank is bent.

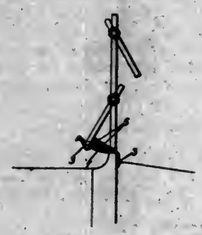
1,483,651. LUBRICATING SYSTEM. JOHN L. CREVELING, Oracle, Ariz., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 11, 1920, Serial No. 416,148. Divided and this application filed July 20, 1923. Serial No. 652,730. 5 Claims. (Cl. 184—105.)

1. The combination with a lubricant compressor having a discharge conduit provided at its free end with a coupling member for making a detachable connection with a lubricant receiving nipple, of means for increasing the pressure on the lubricant delivered to the nipple, comprising a high pressure pump, means for detachably



connecting the intake of said pump with said coupling member, and means for detachably connecting the discharge conduit of said pump with a lubricant receiving nipple.

1,483,652. SCREEN FOR WINDSHIELDS. HORN G. DONIGAN, St. Louis, Mo. Filed Aug. 29, 1921. Serial No. 496,309. 1 Claim. (Cl. 296—95.)

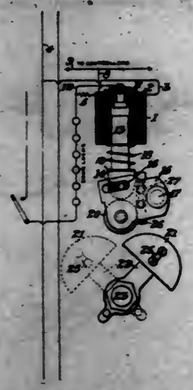


As an article of manufacture, a collapsible and extendable screen for automobile windshields comprising a reticulated screen having upturned ends, a flexible frame enclosing the edges of said screen, and means for detachably securing the frame between the adjacent edges of two panels of a ventilating windshield or between the panel and the frame of the windshield in any one of various ventilating positions of the windshield.

1,483,653. SAFETY DEVICE FOR ELECTRIC APPARATUS. PETER J. DUGAN, Bronx, N. Y. Filed Dec. 31, 1920. Serial No. 434,295. 4 Claims. (Cl. 187—31.)

4. In an electric elevator apparatus, the combination with a car, a source of electric supply for said car, control devices connected to said electric supply and mounted on the car, and mechanism for operating said control devices also mounted on the car, of an electric magnet in operative relation to said current source and having an armature for closing the circuit of said control devices, a pivoted support for said armature in operative relation to said operating mechanism, a cam

connected with the operating mechanism and coperating with the said armature to close the circuit of the



control devices and to open said circuit when no current is flowing in the magnet coil and the operating mechanism is out of starting position.

1,483,654. VEHICLE WHEEL. ALBERT ESCHWIG, Seattle, Wash. Filed June 8, 1921. Serial No. 475,897. 1 Claim. (Cl. 301—64.)



A vehicle wheel, comprising a hub member and a disk secured thereto, said disk member being bent outwardly near its upper end and thence rebent in an opposite direction to provide a rim with a channel open at one end between the rebent portions of the disk, rim supporting bolsters seated within said channel to support rebent portion of the disk in spaced relation relatively to the outwardly bent portion thereof, said bolster being provided with a hook shaped head which abuts the disk at the first mentioned bend thereof, and means extending from said rim supporting bolster through the disk for engagement with the demounted rim lugs to retain a demountable rim upon said disk wheel.

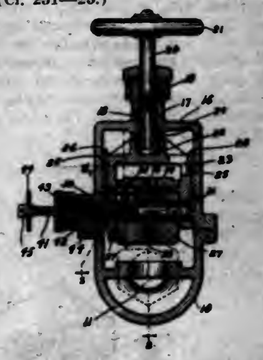
1,483,655. DIRECTION INDICATOR. ALFRED E. FAULL, Oakland, Calif., assignor to Right-of-Way Signal Company, Oakland, Calif., a Corporation of California. Filed Dec. 18, 1919. Serial No. 345,842. 2 Claims. (Cl. 177—337.)

1. A direction indicator comprising a casing provided with a display opening, a shaft mounted in the casing, a plurality of sign plates, each having legs at its ends swingingly connected to said shaft and one leg of each plate being longer than the companion leg and having a cam end, an electric circuit in the casing, an indicating device included in such circuit and an electric switch in the circuit located for actuation by the cam



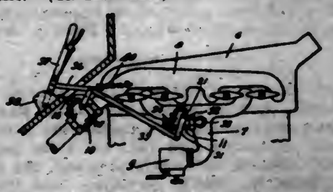
projecting end of each longer leg of the respective plate to close the switch when the respective sign plate is swung on said shaft.

1,483,656. VALVE. EMANUEL FISHER, Providence, R. I., assignor of one-half to George W. O'Kneel, Providence, R. I. Filed Dec. 2, 1921. Serial No. 519,488. 9 Claims. (Cl. 251—25.)



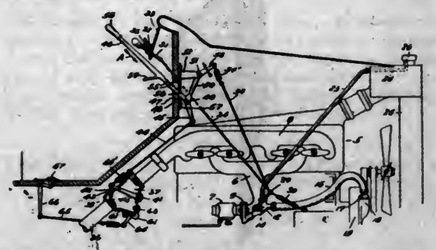
9. In combination with a valve casing having a valve seat, a yoke in said casing, a valve member having a plurality of working faces and mounted on a pivot pin to be rotated in said yoke to present said faces to said seat as desired, a spring pressed bolt engaging said yoke to lock said valve in different operating positions, a key mounted in said casing adapted to be moved to a position for rotating said valve, and a finger connected to said bolt and extending into the path of movement of said key whereby the bolt is moved to release the valve as the key is being positioned to rotate the same.

1,483,657. CONTROLLING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ARTHUR R. GLIDDEN, Sultan, Wash. Filed Apr. 11, 1921. Serial No. 460,412. 3 Claims. (Cl. 123—119.)



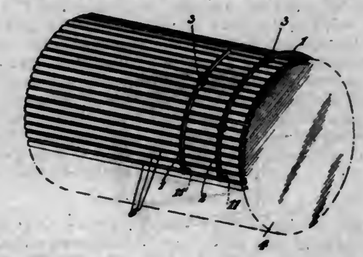
3. An internal combustion engine having a fuel inlet conduit and an exhaust conduit, a shut off valve for said exhaust conduit, a compound valve affording communication from said fuel inlet conduit to the atmosphere, and manually operated means connected to said valves for simultaneously opening one of the valves with the closing of the other valve the opening movement of one of the valves permitting operation prior to effective operation of the closing movement of the other valve.

1,483,658. FUEL ECONOMIZER FOR INTERNAL-COMBUSTION ENGINES. ARTHUR R. GLIDDEN, Seattle, Wash. Filed Feb. 6, 1923. Serial No. 617,334. 3 Claims. (Cl. 123—25.)



1. An automobile engine, a coupling member located between the carburcter and the intake manifold of the engine, said member having a side inlet opening, a tubular connection between said opening and the crank case of the engine, a tubular connection between said opening and the steam space of the water cooling radiator, a normally closed inlet valve between said opening and both of said connections a normally open valve provided for the exhaust manifold of the engine, means whereby said inlet and exhaust valves are respectively moved in unison into their open and closed positions and means whereby the inlet valve may be moved independently of the exhaust valve into its open position.

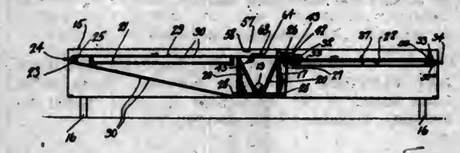
1,483,659. PRINTING MEMBER FOR TYPE-DUPLICATING MACHINES. CHARLES FREDERICK GREEN, Romford, England, assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1922. Serial No. 595,738. 2 Claims. (Cl. 101—377.)



1. In printing devices, the combination with a member having type channels, of a line printing strip having at one end an integral projection shaped for engagement in one of said type channels, and a block recessed to receive and hold said strip in the recess, the lower portion of said block conforming with the cross-sectional shape of said type channels and being engageable therein to hold said strip in position on said member.

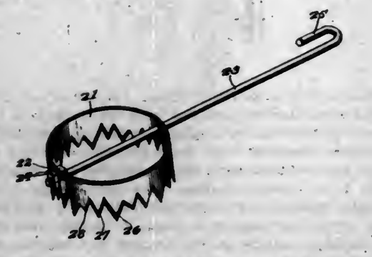
1,483,660. EGG-CANDLING DEVICE. THOMAS GRUBB, St. Louis, Mo. Filed May 24, 1922. Serial No. 563,359. 4 Claims. (Cl. 99—6.)

4. An egg testing device having an elongated casing provided centrally with a compartment containing a source of light, an endless apron travelling through one end portion of the casing and above the top of said compartment, said apron being provided with rows of holes constituting seats for eggs, a receiving imperforate conveyor movable along the other end portion of the casing, means for simultaneously driving said apron and said conveyor, a bridge plate extending from the discharge



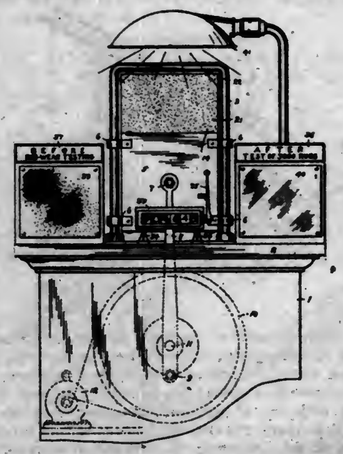
end of said perforated apron onto the receiving end of the imperforate conveyor, the combination of a plurality of trough members pivoted within the casing above said compartment, means for lifting the eggs from said holes, means for forcing said lifted eggs onto said trough members, and means for tilting said trough members.

1,483,661. CAN OPENER. SAMUEL J. HALL, Anniston, Ala. Filed Apr. 20, 1922. Serial No. 556,734. 2 Claims. (Cl. 30—3.)



2. A can opener comprising a strip of material having its ends overlapped and perforated and with a single perforation in its intermediate point diametrically opposite to the overlapped ends, teeth on the edge of the strip, and a handle disposed through the single perforation and through the perforations of the overlapped ends and secured to said latter ends.

1,483,662. TESTING AND DISPLAY DEVICE. MITCHELL F. JAMAR, Duluth, Minn. Filed Sept. 25, 1922. Serial No. 590,521. 2 Claims. (Cl. 73—51.)



1. A device of the character described comprising in combination a suitable support, an upright horisontally yieldable fabric holding block upon the support, means

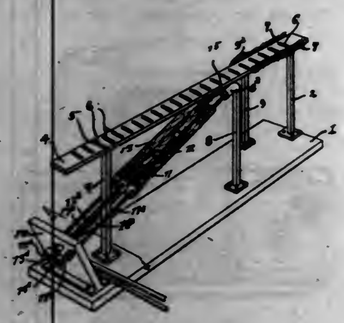
for supplying constant yielding pressure to said block, a vertically reciprocable fabric holding block in front of the first mentioned block, and normally contacting same means for reciprocating said last mentioned block, and means for visually recording the number of reciprocations of said last mentioned block.

1,483,663. COMBINATION SINK HANGER AND OUTLET FIXTURE. WILLIAM JOHNSON, Green Point, Long Island, N. Y. Filed Sept. 7, 1922. Serial No. 586,629. 2 Claims. (Cl. 4—170.)



1. Means for supporting sinks, comprising a divided straight wall bracket provided with offset pockets to receive the projections of a sink member, said bracket being further provided with longitudinally disposed openings to receive fastening means adapted to attach the bracket to a vertical surface, pipe connections integral with said bracket and comprising outwardly and downwardly projecting hollow members provided with transverse outlet openings to receive taps and inlet openings at the free ends to receive stand pipe connections, and a divided bridge piece integral at opposite ends with the said hollow members.

1,483,664. MACHINE FOR REMOVING THIN RUBBER ARTICLES FROM FORMS. JOHN A. KEMPEL, Coventry Township, Summit County, Ohio. Filed Dec. 29, 1921. Serial No. 525,679. 9 Claims. (Cl. 18—2.)



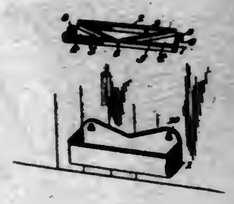
1. A machine of the character described including a slideway having bearing rollers journaled therein, a pair of rolling elements arranged below said slideway, said rolling elements mounted in a plane inclined to said slideway with one of said rolling elements on each side of a vertical plane running in parallel spaced relation to the edge of said slideway, a form board adapted to be moved over the slideway and forms depending from said board at each side of the slideway extending between the rolling elements.

1,483,665. BRAKE-OPERATING MECHANISM. AUGUSTUS F. KLASING, Chicago, Ill., assignor to The Klasing Car Brake Company, a Corporation of Colorado. Filed Feb. 1, 1922. Serial No. 533,267. 15 Claims. (Cl. 74—119.)



1. A brake operating mechanism comprising a movable member for applying power to a brake, a rotary member adapted upon rotary movement to travel in the direction in which said first-named member is movable, and means movably mounted on said rotary member adapted normally to cause said two members to move together in one direction while permitting the rotary member to move in the opposite direction independently.

1,483,666. UMBRELLA RACK. EDWARD C. KOVARIK, New York, N. Y. Filed Mar. 24, 1922. Serial No. 546,319. 2 Claims. (Cl. 45—33.)



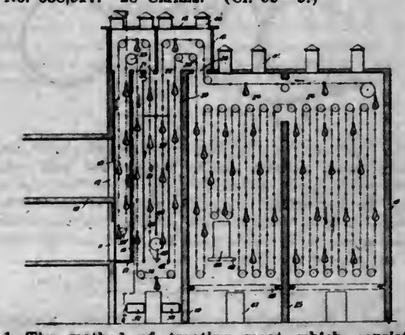
1. An umbrella holder of the class described comprising a support formed of a single strip of spring metal, said strip having its ends bent at predetermined points to form outwardly extending arms, said arms converging to provide a central pocket, the free ends of said arms extending laterally in opposite directions and then rearwardly, said rearwardly extending portions terminating at points adjacent said arms to provide supplementary pockets, the free ends of the rearwardly extending portions being curved outwardly to provide a guide means between the outer faces of said arms and the rearwardly extending portions, the converging ends of said arms and the free ends of the rearwardly extending portions forming spring closures for said central and supplementary pockets respectively.

1,483,667. SEWAGE-SCREENING APPARATUS. CLARENCE P. LANDRETH and WALTER H. MACVAUGH, Philadelphia, Pa.; said MacVaugh assignor to said Landreth. Filed Nov. 6, 1919. Serial No. 336,193. 10 Claims. (Cl. 210—152.)



6. Apparatus for screening liquids, as sewage, comprising a screen terminating in an upwardly extending curved end portion, means delivering liquid to the upper side of said screen, and brushing mechanism for brushing material retained upon the screen longitudinally thereof from one end to said curved portion.

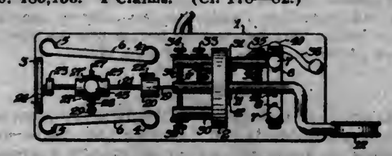
1,483,668. METHOD OF AND APPARATUS FOR TREATING ORGANIC SUBSTANCES. LUCIUS F. LITTLE, Owensboro, Ky. Filed May 14, 1923. Serial No. 638,917. 28 Claims. (Cl. 99—9.)



1. The method of treating meat which consists in subjecting the meat to a cure, treating it with smoke without a drying heat and prior to drying, and then drying the meat.

14. The method of treating particles of meat in batches, portions of which vary in moisture content, which consists in preliminarily and simultaneously smoking and electrifying the entire batch uniformly, separately and simultaneousy subjecting the several portions of the batch to different degrees of heat, the heat varying in direct ration with the moisture whereby the several portions may be dried within substantially the same period of time, and subsequently smoking and simultaneously electrifying the entire batch.

1,483,669. TELEGRAPHIC INSTRUMENT. WALTER S. LYTLE, Philadelphia, Pa. Filed July 16, 1921. Serial No. 485,153. 4 Claims. (Cl. 178—82.)



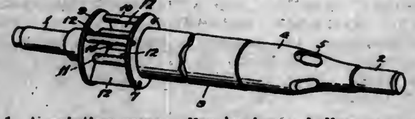
1. A transmitting telegraphic instrument having a base, a lever fulcrumed relatively to said base and adapted to be oscillated in different planes, said lever having on opposite sides of its fulcrum a relatively fixed contact and a relatively oscillatory contact, a plurality of contacts carried by said base and adapted respectively for engagement by the relatively fixed contact of said lever when oscillating in different planes, and a pair of contacts carried by said base and adapted respectively for engagement by said relatively oscillatory contact when said lever is moved laterally in different positions thereof.

1,483,670. GEAR DRIFT AND BUSHING THEREFOR. RALPH J. MCKEE and FRED STONEBERG, Chicago, Ill., assignors to Zim Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed July 17, 1922. Serial No. 575,706. 3 Claims. (Cl. 29—85.)



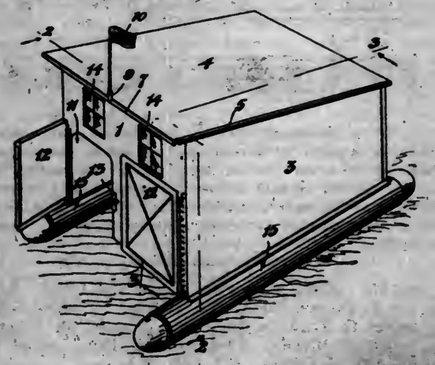
1. In a gear drifting tool, in combination, a drift pin having a forwardly facing shoulder intermediate its ends and an impact transmitting bushing removably engaging said shoulder and extending beyond the end of said pin.

1,483,671. VENTILATED PRINTING-PRESS ROLLER. CHARLES HUGH MARTIN, Los Angeles, Calif., assignor of one-half to Angelo Frediani, Los Angeles, Calif. Filed Aug. 9, 1922. Serial No. 580,639. 7 Claims. (Cl. 91—67.8.)



1. A printing press roller having a hollow core open at one end and perforated at the other end to allow flow of air therethrough, and means at such other end to produce pressure drop for the purpose of causing a flow of air through the roller.

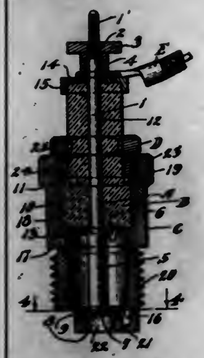
1,483,672. FLOATING TOY. ALBERT C. MOSS, New York, N. Y. Filed Apr. 17, 1923. Serial No. 632,633. 3 Claims. (Cl. 46—37.)



1. A toy comprising a body representing a house, a removable roof thereon, front openings in said body, doors for covering said openings, floats for supporting the

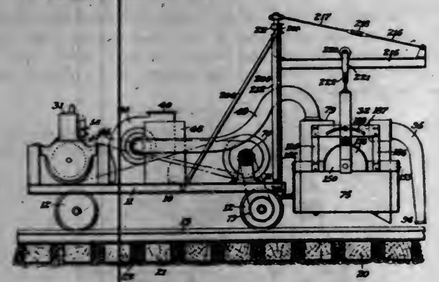
toy upon the water, and the bottom of said house located between the floats opening directly on the water, whereby objects can rest upon the water and be retained within said house.

1,483,673. SPARK PLUG. EDWARD O'CONNELL, Philadelphia, Pa. Filed Aug. 30, 1920. Serial No. 406,855. 2 Claims. (Cl. 123—169.)



1. A spark plug, including a shell, a flat ring shaped electrode carried thereby, a disc electrode arranged in a spaced and parallel relation with the ring electrode and having laterally projecting teeth at its periphery which overhand the ring shaped electrode, and a stem carrying the disc electrode, said stem being slidable and rotatable to bring the disc electrode into engagement with the ring electrode and rotate it while in such engagement, the lateral teeth of the disk electrode then sweeping over the face of the ring electrode.

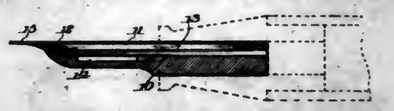
1,483,674. METHOD AND APPARATUS FOR CLEANING RAILROAD BALLAST. NEWTON C. OWEN, Wilkes-Barre, Pa., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed June 10, 1921. Serial No. 476,430. 19 Claims. (Cl. 262—1.)



1. In a pneumatic device, the combination with a movable support, of a separator carried by said support and provided with an air inlet and an air outlet, and means carried by said support for withdrawing air from said separator, said separator being arranged to be moved in a predetermined horizontal plane with respect to said support.

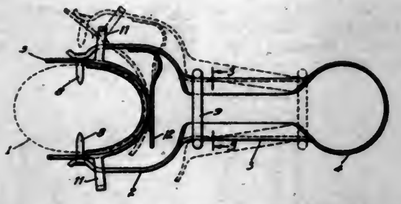
1,483,675. FEED BAR FOR FOUNTAIN PENS. STANLEY E. PETERS, Chicago, Ill., assignor, by mesne assignments, to Krittikson Bros., Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 29, 1920. Serial No. 433,826. 7 Claims. (Cl. 120—50.)

1. A feed bar for fountain pens having an air passage and an ink passage the former being arranged above the latter, a slot arranged transversely of the feed bar below the ink passage and having communication at its end with the atmosphere, the upper wall of the slot and the bottom of the ink passage being arranged to intersect



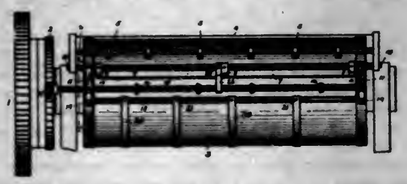
each other and having that portion of the material at the intersection removed to provide an opening through which ink may pass from said ink passage into the slot and from the slot into said passage.

1,483,676. FRUIT PARER. FREDERICK C. PETERSEN, Los Angeles, Calif. Filed Aug. 13, 1923. Serial No. 657,234. 2 Claims. (Cl. 146—203.)



1. A fruit parer of the class described, an elastic cutter holding band, multiple blades within the said elastic cutter holder band, a forceps adapted to hold the said elastic cutter holder means in alinement therewith, a spring secured between the said forceps and elastic cutter holder means, adapted to feed the said multiple blades into the skin of the fruit, as set forth.

1,483,677. PERFORATOR FOR PRINTING PRESSES. HENNING E. PETERSON, Duluth, Minn. Filed Mar. 26, 1923. Serial No. 627,761. 3 Claims. (Cl. 164—100.)

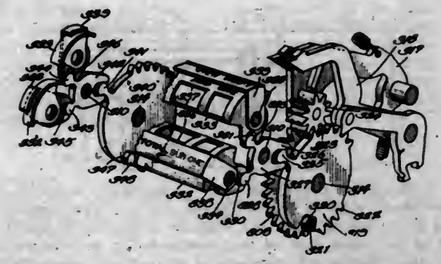


1. The combination with a cylinder printing press of the character described including a cylinder gear, frame, and cylinder, of a perforating device therefor comprising three parallel shafts, one of which is nonrotatably secured to the frame of the press and supports the other two shafts, another of said shafts having a gear upon one end thereof meshing with the cylinder gear perforator wheels attached to said last mentioned shaft, and sheet guards upon the other of said shafts.

1,483,678. CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor, by mesne assignments, to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1917. Serial No. 206,452. 150 Claims. (Cl. 235—59.)

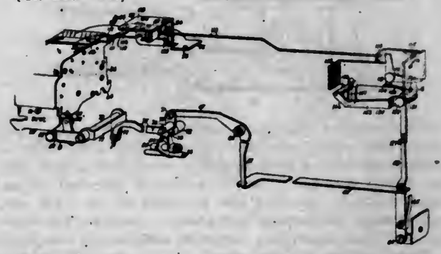
18. In a calculating machine, the combination of an algebraic totalizer, a master wheel adapted to insert numbers therein seriatim, a set of digit keys to operate said master wheel a differential amount, and means operated by said master wheel to insert a unit in said totalizer independent of the action of said digit keys.

38. In a calculating machine, the combination of an algebraic totalizer, a master wheel, a shutter adapted to be operated by said master wheel, a second shutter, and means to automatically operate said second shutter whenever said totalizer passes through zero.



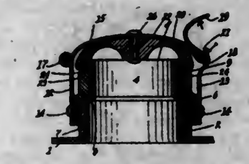
133. In a calculating machine, the combination of a jumping decimal carriage, a traveling carriage adapted to pick up said decimal carriage at certain predetermined intervals, a rack on said decimal carriage, a lock cooperating with said rack, a rack on said traveling carriage, a second lock cooperating with said rack, a digit key, and means to connect said digit key with both of said locks to operate said locks upon the initiation of the downstroke of said key and to release them upon the completion of said downstroke.

1,483,679. COMBINED TYPEWRITING AND CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 19, 1921. Serial No. 462,628. 20 Claims. (Cl. 235—59.)



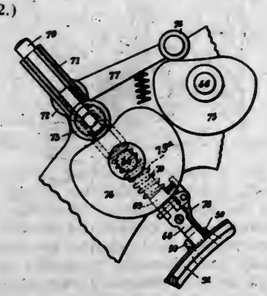
1. In a calculating machine, the combination of a plurality of totalizers, a lock, means controlled by one of said totalizers for operating said lock, and means controlled by the state of another of said totalizers for neutralizing such operation.

1,483,680. CAP FOR CONTAINERS. HUGO F. RIPKEN, Minneapolis, Minn., assignor of one-half to Charles A. McCulloch, Minneapolis, Minn. Filed Apr. 2, 1923. Serial No. 629,354. 6 Claims. (Cl. 220—24.)



1. In a device of the class described, comprising in combination, a ring adapted to have threaded engagement with the threaded inlet pipe of a container to make a leak proof joint therewith, a seat forming the top edge of said ring, a closure adapted to engage with said seat to close the top of the ring, and spring devices arranged in coacting relation to extend across the top of said closure and having connection with said closure and ring for holding the former under tension of said spring devices against said seat, said spring devices including a pivotable joint at one side of the ring and a separable joint constructed to yield, to separate, responsive to an administered separating pull of predetermined degree, said separable joint being located on the opposite side of said ring with respect to said pivotable joint.

1,483,681. WRAPPING MACHINE. HENRY ROSE, deceased, by William Henry Rose, administrator, Gainsborough, England. Original application filed Jan. 13, 1921, Serial No. 437,025. Divided and this application filed Mar. 10, 1922. Serial No. 542,807. 1 Claim. (Cl. 93—2.)



In wrapping machines of the kind aforesaid, a folding device provided with yielding fingers hinged to a crosshead operated as hereinbefore explained, the said crosshead having mounted upon it, and reciprocable with it, a blade which acts to fold a projecting portion of the end of the wrapper onto the side of the article being wrapped; substantially as, and for the purpose, hereinbefore explained.

1,483,682. ELECTROMAGNETIC APPARATUS. JOSEPH A. ROSTRON, Boston, Mass. Filed May 3, 1920. Serial No. 378,476. 4 Claims. (Cl. 200—90.)



1. A vibrator comprising, in combination, a casing having fixed within it an electromagnet and one electrical contact; and an armature, secured in the casing between them and bearing the other electrical contact; the magnet core and said armature being flat metal sheets arranged with their broad surfaces parallel to each other; the said magnet sheet being relatively thick, constituting a straight bar and having the winding about its middle; and the said armature sheet being relatively thin, elastic and flexible, and having its end portion bent around the end portion of the said winding on the magnet, to proximity with the magnet core, for vibrating toward and from the broad side of said core.

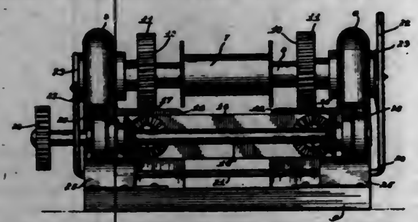
4. A make and break apparatus comprising in combination an electromagnet whose core is of straight bar iron whereon is wound medially an electric coil, the sides of the ends of the bar being exposed; an armature of sheet metal bowed around said coil with the sides of its ends against and parallel with the said sides of ends of the magnet; a tongue extension of the sheet metal comprising the armature, perpendicular thereto, supporting it and constituting part of the electrical circuit; and a base to which it is secured at a distance from the armature, thereby to vibrate to and from the side of the bar.

1,483,683. POULTRY FEEDER. JAMES L. RUSH, Memphis, Tenn. Filed Aug. 10, 1920. Serial No. 402,591. 1 Claim. (Cl. 119—55.)



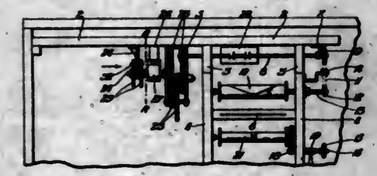
A feeding device comprising a feed containing hopper including a base and side walls, each of said sides having its lower portion extending forwardly and downwardly to provide a feed trough, and further having its base extended beyond said trough, bearings mounted upon said walls and extending forwardly of the front edge thereof at the angle formed to provide the trough, a closure carrying shaft extending across the face of said hopper and having its ends mounted in said bearings, each end of said shaft being provided with a transverse bore, cross rods mounted in said bores, a pair of rearwardly and upwardly extending shiftable side arms pivotally mounted at the front edge of said base, link connecting means between the inner ends of said arms and said cross rods, and a platform carried by said arms.

1,483,684. STUMP PULLER. JOHN W. RYDER and WILLIAM O. SKIPPER, Enterprise, Ala. Filed May 15, 1922. Serial No. 561,057. 1 Claim. (Cl. 254—186.)



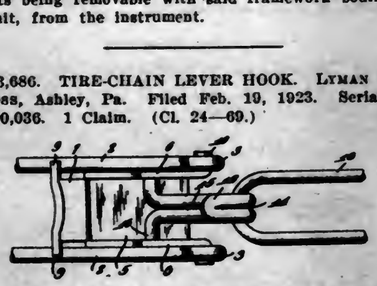
In a device of the character described, a base, a shaft supported on the base and extending transversely thereof, beveled pinions secured to the shaft to rotate therewith, relatively short shafts extending at right angles to the first mentioned shaft and carrying beveled pinions meshing with the first mentioned beveled pinions, worms on the relatively short shafts, bearings extending upwardly from the base, a shaft extending at right angles to the relatively short shafts and having its ends eccentrically mounted within the bearings, gears on the last mentioned shaft and adapted to be moved into engagement with the worms to receive movement therefrom, said shafts having squared ends, links having squared portions fitted over the squared ends, a controlling arm having right angled extremities, connecting links for connecting the right angled extremities and first mentioned links whereby movement of the controlling arm will move the gears with respect to the worms, and said controlling arms and links being controlled and connected to lock the gears in mesh with the worms.

1,483,685. MECHANISM FOR AUTOMATICALLY REWINDING THE MUSIC ROLLS OF PLAYER PIANOS AND THE LIKE. JAMES L. SCOTT, Melbourne, Victoria, Australia. Filed Mar. 6, 1922. Serial No. 541,488. 13 Claims. (Cl. 84—133.)



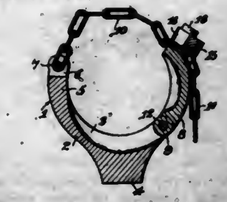
1. Improved mechanism for automatically rewinding the music rolls of player pianos and the like, consisting in the combination of a framework removably mounted in the upper part of the instrument, a shaft carried by said framework, means for operatively connecting said shaft with the music roll spindle, a reduction gear carried by the framework and adapted to be driven by said shaft, a shaft driven by the reduction gear, and a power storage device, likewise carried by said framework operatively connected with the second-named shaft and adapted to accumulate energy from the unwinding of the music roll to automatically rewind the latter, the reduction gear, the power storage device and both shafts being removable with said framework bodily, as a unit, from the instrument.

1,483,686. TIRE-CHAIN LEVER HOOK. LYMAN SEABROSS, Ashley, Pa. Filed Feb. 19, 1923. Serial No. 620,036. 1 Claim. (Cl. 24—69.)



In a device of the class described, a connection comprising side pieces provided at their ends with eyes, a trough-shaped lever including side walls and a base, the base being extended to form a tongue disposed at an obtuse angle to the base and provided at its outer end with lateral projections adapted to engage the side pieces of the connection, the side walls being provided, at those corners thereof which are diagonally opposite to the base of the tongue, with trunnions mounted to rock in the eyes, and a hook made of a single piece of material bent upon itself to form a two-part shank and a two-part bill, the constituent members of the shank being outwardly extended to form pivot elements journaled in the side walls of the lever.

1,483,687. WHEEL LOCK. JOHN W. SHEPARD, Tucson, Ariz. Filed Dec. 1, 1921. Serial No. 519,076. 8 Claims. (Cl. 70—90.)



1. A wheel lock comprising a curved body portion adapted to overlap the tire of a wheel and including a stationary arm, a shiftable arm hinged at its lower end

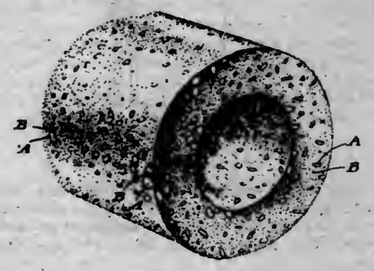
to the lower end of the stationary arm and a ground engaging element projecting outwardly from the lower portion of the stationary arm, a lug and an ear angularly disposed with respect to and integral with the upper end of the shiftable arm and further opposing each other in spaced relation, a chain attached to the upper end of said stationary arm and extended between said ear and lug, and a releasable latching element pivoted to said ear and shiftable towards said lug to extend between a pair of links of the chain and further having means engaging in said lug for locking the body portion in position with respect to the tread of a wheel.

1,483,688. ANIMAL TRAP. PERCIVAL J. GRANT SMITH, Port St. Mary, Isle of Man. Filed Feb. 16, 1923. Serial No. 619,421. 2 Claims. (Cl. 43—81.)



1. An animal trap comprising a base, a spring breakback, a rigid bait, a cable passing round said bait and held taut thereby, and a detent held in position by the taut cable.

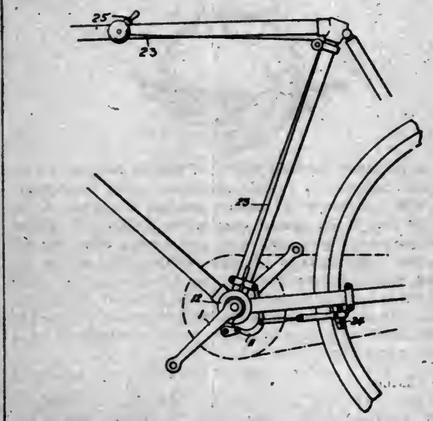
1,483,689. TUBULAR TILE. WILLIAM R. SMITH, Buffalo, N. Y. Filed Sept. 24, 1923. Serial No. 664,488. 2 Claims. (Cl. 61—10.)



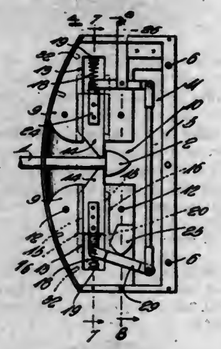
1. A porous tile composed of a mixture of ingredients including rigid coarse porous material in the form of lumps of irregular shape, finer material, and hydraulic cement, sufficient water being added to the mixture to crystallize the cement, the said mixture being molded into tile form and solidified by the crystallization of the cement, which is in suitable quantity to form, with the finer material, a rigid porous binder adhering firmly to the rigid lumps, and filling the interstices therebetween, so that the wall of the tile does not contain open spaces between the lumps, and is uniformly porous and rigid throughout any section of the tile.

1,483,690. BRAKE MECHANISM FOR PEDAL-DRIVEN BICYCLES, TRICYCLES, AND LIKE MACHINES. THOMAS SPEDDING, Welling, England. Filed July 22, 1922. Serial No. 576,851. 4 Claims. (Cl. 192—5.)

1. In pedal-driven bicycles, tricycles and like machines in which a road wheel has an overrunning clutch by which it is driven and an overrunning clutch on the pedal crank axle to operate a brake directly by a reverse movement of said crank axle; the combination therewith of hand-operable means within reach of the rider, disengaging means in connection with said overrunning clutch on said crank axle, and connecting means between said hand-operable means and said disengaging means, whereby by the operation of said hand-operable means the pawl members of said overrunning clutch on said crank axle can be disengaged by the rider to permit the machine to be wheeled rearwardly without applying the brake or to be driven forwardly with said overrunning clutch of said crank axle out of action, or alternatively when said hand-operable means is placed in another position to permit said overrunning clutch on said crank axle to act to apply said brake to said road wheel by a reverse movement of said pedal-crank axle.

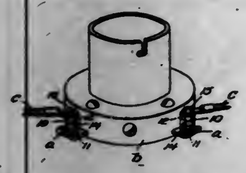


1,483,691. CAR COUPLER. ALBERT STACY, Lothair, Ky., assignor of one-half to Monroe Sheppard, Lothair, Ky. Filed July 13, 1922. Serial No. 574,679. 2 Claims. (Cl. 213—186.)



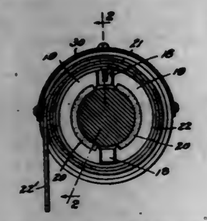
2. In a car coupler, a draw-bar clutch comprising a housing having a central passage leading from an inlet and communicating with a transversely extending chamber in the rear portion of the housing, the housing being further provided with pockets leading from the entrance passage intermediate the length thereof, jaws slidably mounted in said pockets, hinge brackets carried by said jaws and extending longitudinally thereof beyond the inner ends of the jaws, springs in said pockets engaging the inner ends of said jaws and yieldably holding the jaws extended in operative position across said inlet passage, a handle bar extending into said housing through one side and having a cross head at its inner end extending transversely of the head and having one end pivotally connected with the hinge bracket of one jaw, a link extending longitudinally in said chamber and pivotally connected with the other end of the head of said handle bar, a fulcrum, and a lever-engaging said fulcrum and pivotally connected with said link and the hinge bracket of the other jaw.

1,483,692. SAFETY FUSE. HOVEY B. STONEMAN, Council, Idaho. Filed May 22, 1922. Serial No. 562,724. 7 Claims. (Cl. 200—131.)



1. A terminal fuse comprising a tubular body of an insulating material, a fusible conductor strip coextensive with and positioned throughout against the wall of the bore of said body, spaced conductive means for closing the opposite ends of said body and having edge contact with the opposite ends of said fusible strip, means engaging within the conductive means at one end of said body for attaching it to the usual terminal of an electric socket, and means engaging within the conductive means to the other end of said body for the attaching of a circuit conductor.

1,483,693. SHOCK ABSORBER. WILLIAM G. STRUTHERS, Seattle, Wash. Filed Nov. 20, 1922. Serial No. 602,017. 4 Claims. (Cl. 267—10.)



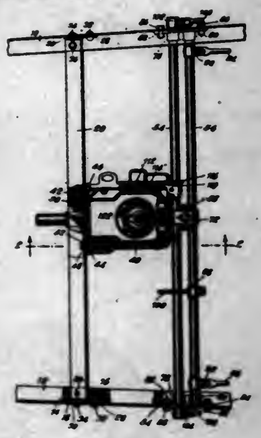
1. In a shock absorber, the combination of a stationary drum, two opposed jaws revolubly mounted upon said drum, a rotatable yoke member having arm elements extending into the spaces between said jaws at diametrically opposite sides of the drum, a flexible member coiled about said jaws and having one of its ends connected to said yoke, and a spring connected to said yoke for rotating the same to retract said flexible member when tension thereon is relieved.

1,483,694. BREATHING CORRECTOR. ALBERT F. STUKEY, East Hollywood, Calif. Filed Feb. 2, 1921. Serial No. 441,761. 1 Claim. (Cl. 128—136.)



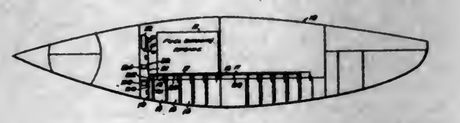
A breathing corrector comprising a soft marginal rubber tube; a rubber dam integrally connected to said tube; and a reinforcing spring wire inserted in said tube, said wire adapted to hold said tube and dam in the form of an elliptical concavo-convex lens and said wire having a central portion thereof bent inward toward the center of the rubber dam and arranged so that the marginal tube is held out of irritating contact with the ligamentous protrusion between the upper gums and the upper lip, and said wire having its ends spaced apart in said marginal tube opposite to the inward bent portion thereof to leave a soft portion of the marginal edge not reinforced so that the soft portion not reinforced will overlay the ligamentous protrusion between the lower gums and the lower lip when said breathing corrector is arranged in a mouth with the inward bent portion thereof astride the upper ligamentous protrusion between the upper gums and lip.

1,483,695. TRANSMISSION-SUPPORTING STRUCTURE. ALFRED T. STUBT, Flint, Mich., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed June 8, 1922. Serial No. 566,746. 8 Claims. (Cl. 180—70.)



1. In a motor vehicle, in combination with the main chassis frame, a brake operating shaft supported by said frame, a transmission and means supported by said brake operating shaft for supporting one end of said transmission.

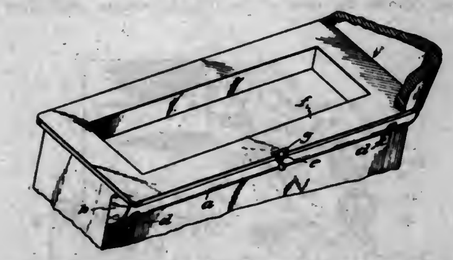
1,483,696. COMPENSATOR FOR SUBMARINES. JOSEPH E. SWENDEMAN, Philadelphia, Pa. Filed June 3, 1920. Serial No. 386,273. 11 Claims. (Cl. 114—16.)



1. In a boat, the combination of a hull, a liquid fuel-burning power plant, a fuel pump supplying fuel to said power plant, means for controlling the admission of water to said hull, and means governed by the demand of said power plant for fuel to control the operation of said fuel pump and said water admission means.

1,483,697. AUTOMOBILE-CURTAIN CONTAINER. GEORGE W. SYKES, Vancouver, Wash. Filed Oct. 17, 1921. Serial No. 508,111. 2 Claims. (Cl. 224—29.)

1. In combination for the purpose of forming a receptacle, the back of a seat of an automobile, a casing, comprising a longitudinal portion of a cylinder hingedly attached at lower edge of said casing and to said seat and two flanged-quadrant shaped end pieces, the ends of said cylinder being beaded over the flanged portions of said end pieces, hinge means attached to the lower edge of said casing and the back portion of the seat, a slot



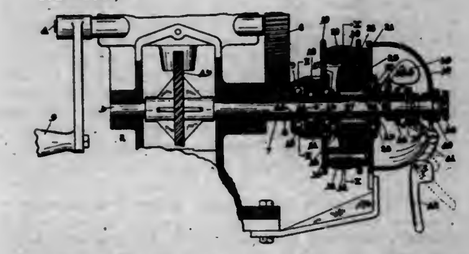
provided on said seat, and fastening means carried by said casing fitting into said slot, substantially as described.

1,483,698. AUTOMOBILE RIM-SECURING MEANS. CHARLES B. THOMAS, Alto, Tex., assignor of one-half to William Blanton, Alto, Tex. Filed Feb. 24, 1923. Serial No. 620,977. 2 Claims. (Cl. 301—11.)



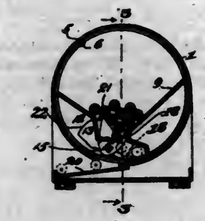
1. In combination a felly provided at each side with a groove, a rim surrounding and spaced from said felly and having an inwardly extending flange projecting into one of said grooves, a bearing ring projecting from the felly and engaging the inner face of the rim, said ring extending into the other of said grooves, and said flange and ring adapted to be connected to said felly for securing the rim therewith.

1,483,699. DRIVING GEAR. HERBERT THOMPSON, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Filed Aug. 28, 1922. Serial No. 584,922. 6 Claims. (Cl. 192—104.)



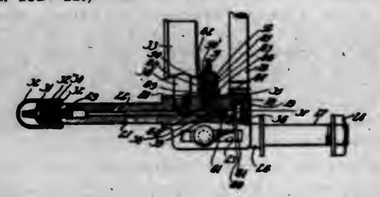
1. In combination a shaft; a friction clutch member slidably and non-rotatably mounted on the shaft; a complementary friction clutch member rotatable relative to the shaft; a collar co-axial with the slidable clutch member and rotating therewith; a centrifugal member rotating with said slidable clutch member and adapted to engage said collar; a thrust member co-axial with the shaft and engageable by the collar; a spring tending to throw in the clutch; a pulley co-axial with the shaft; a ratchet clutch driving connection between said pulley and the rotatable clutch member adapted to permit the said member to run ahead of the pulley; a rotatable member loose on the shaft; and a ratchet clutch driving connection between said member and the rotatable clutch member adapted to permit the clutch member to run ahead of the said rotatable member.

1,483,700. DISCHARGING DEVICE FOR VENDING MACHINES. MARSHALL J. WAPLE, Washington, D. C. Filed Jan. 5, 1923. Serial No. 610,821. 4 Claims. (Cl. 211—8.)



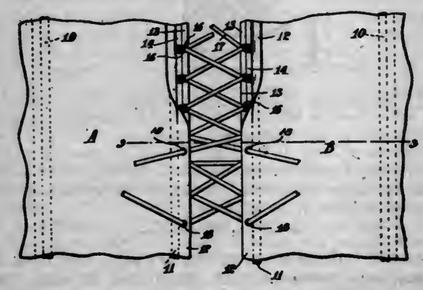
1. In a dispensing machine, the combination of a casing provided with an outlet a hopper in the casing having an outlet above the outlet of the casing, a plurality of oscillating article agitating and discharging devices mounted in the casing and movable through the hopper and outlet thereof, each of said devices being provided with an article receiving pocket and with a finger extending from the pocket for engaging an article to be dispensed and preventing discharge of the article through the outlet of the casing until the discharging device has been swung in one direction its full extent and then partially returned to its original position.

1,483,701. TIRE GAUGE. OTTO WEBER, Manteno, Ill. Filed May 22, 1922. Serial No. 562,590. 6 Claims. (Cl. 152—12.)



1. In a tire inflating attachment, a tube, a check valve in said tube, a safety valve communicating with said tube to prevent harmful pressures being produced therein, means for joining said tube to the valve stem of a tire on a wheel, and a valve between said safety valve and the valve stem arranged to permit the free passage of air to the stem but restrict the passage of air in the opposite direction.

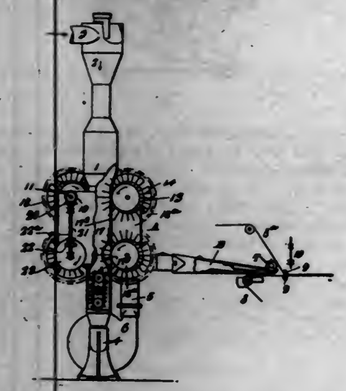
1,483,702. GARMENT LACING. OSCAR WEINGARTEN, New York, N. Y. Filed Nov. 4, 1920. Serial No. 421,627. 2 Claims. (Cl. 2—74.)



1. Lacing means for the edges of garments, comprising orificed lace receiving members, and eyes attached to the garment edges, the members being supported in

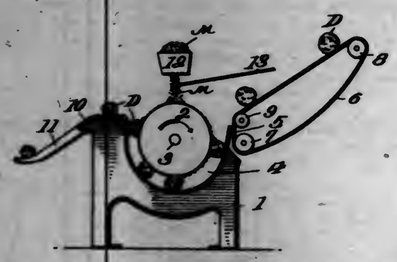
the openings in said eyes and each opening being sufficiently large to permit the corresponding member to rotate, to rock from side to side and to move back and forth in said opening.

1,483,703. APPARATUS FOR MAKING FEATHER-LINED FABRICS. FRITZ WEVER, Stuttgart, Germany. Filed Oct. 24, 1918. Serial No. 259,561. 14 Claims. (Cl. 19—142.)



1. In an apparatus of the character set forth, the combination of a casing for the material to be treated with a pair of material-advancing devices, both arranged to move in the same direction and to act on the material in the casing, said advancing devices being arranged one behind the other with respect to the line of feed and spaced apart, and means for varying the speeds of the said advancing devices relatively to one another, to regulate the amount of accumulation of material between the advancing devices.

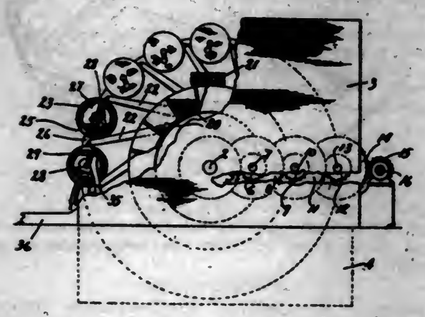
1,483,704. PROCESS OF PREVENTING AN EDIBLE FROM ADHERING TO THE SURFACE ON WHICH IT IS COOKED. PHILIP WAKEMAN WILCOX, Atlanta, Ga. Filed May 9, 1923. Serial No. 637,786. 4 Claims. (Cl. 99—13.)



1. The method of preventing an edible from adhering to the utensil in which it is cooked, consisting in applying to one of the contacting surfaces an oil in such finely powdered form as to adhere to the surface to which it is applied and to form thereon a coating which, when heat is applied for cooking, melts and prevents said contacting surfaces from adhering.

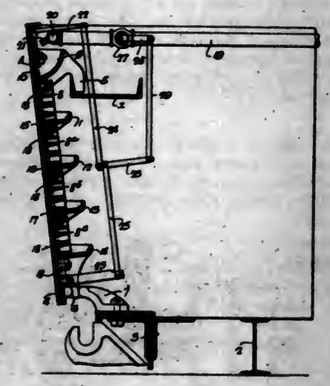
1,483,705. OVERSHOT WATER WHEEL. WILLIAM O. WILLIAMS, Redlands, Calif. Filed Sept. 29, 1922. Serial No. 591,293. 2 Claims. (Cl. 253—30.)

1. In an overshot wheel, an annular series of water chambers, each having an outlet, a series of tiltable buckets disposed to receive the discharged water from respective water chambers, means for tilting the said buckets during the rotation of the wheel, and an encasing cylinder for each of the tiltable buckets, said cylin-



ders each being provided with inlet and outlet mouths and being operative to check the discharge of water after it is released from the inverted buckets.

1,483,706. FURNACE LINING. MAXWELL ALPERN, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,494. 13 Claims. (Cl. 126—144.)

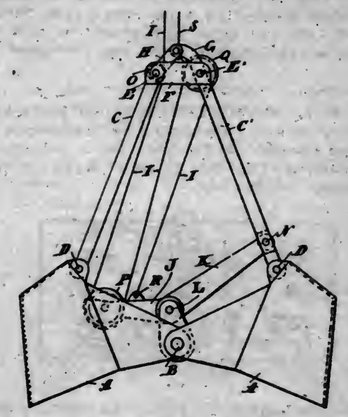


8. The combination in a furnace lining of a plurality of sections each having a relatively smooth heated front face and a relatively extended rear face; means for delivering films of water to be evaporated to the rear faces of said sections; means for independently controlling the supply of water to each section; with means for collecting and returning to the sections unevaporated water delivered therefrom.

1,483,707. GRAB BUCKET. STANLEY E. ATHERTON, Cleveland, Ohio. Filed June 3, 1922. Serial No. 565,642. 5 Claims. (Cl. 37—184.)

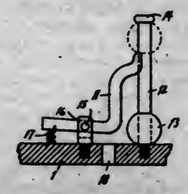
1. In a clam shell bucket, the combination with a bucket shaft, of scoop members pivoted thereon at their adjacent inner and upper edges, a head, sets of ball arms connecting the respective outer ends of said scoop members with said head, a pivot shaft secured adjacent to said bucket shaft and above the same, a closing lever pivotally mounted intermediate of its ends upon said

pivot shaft, one end of said lever being fulcrumed upon one set of ball arms, and block and tackle mechanism



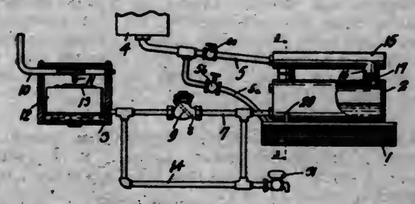
operatively connected with the other end of said lever and with a point in the upper part of said bucket for operating said closing lever.

1,483,708. TELLTALE. SAMUEL J. BELL, Springfield, Mass., assignor to Bell Register Corporation, Springfield, Mass., a Corporation of Delaware. Filed July 12, 1923. Serial No. 651,191. 6 Claims. (Cl. 116—14.)



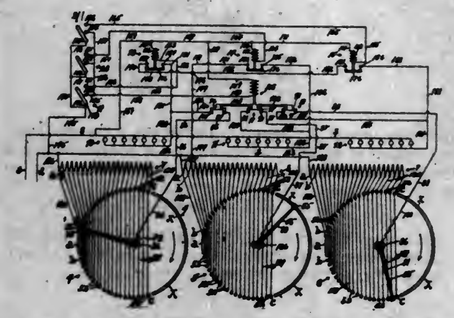
5. A tell-tale comprising, with a supporting member, a post rising from said member and provided with a head, a ball slidingly mounted on said post, a lug rising from said member, an angular lever having a horizontal arm pivotally connected with said lug, and an upstanding arm adapted normally to have its free end contact with said post at a point sufficiently distant from said head to enable said ball to be received between said head and said end, and a spring arranged between said member and the free terminal of said horizontal arm normally to retain said end of said lever in contact with said post, the weight of said lever being sufficient to overcome the resistance of said spring.

1,483,709. GAS GENERATOR AND BURNER. SAMUEL BIDDISON, Los Angeles, Calif. Filed Apr. 29, 1920. Serial No. 377,496. 4 Claims. (Cl. 158—56.)



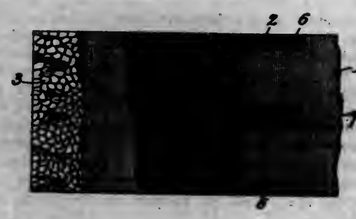
4. A gas generator and burner comprising a basin supporting a boiler at one side thereof; a horizontal U-shaped superheater; a pipe leading from said boiler and having a delivery end communicating with said superheater; a pipe for supplying oil to the superheater and having a delivery end communicating therewith adjacent the delivery end of said first-named pipe; a partition separating the delivery ends of said pipes and extending a considerable distance into the superheater; a vertical U-shaped superheater communicating with the first superheater, and supported at the other side of the basin; and a burner pipe leading from the vertical superheater and disposed centrally of the basin in operative relation to the superheaters and the boiler.

1,483,710. ELECTRICAL VARIED-LIGHT APPARATUS. GEORGE L. BLACK, San Bernardino, Calif. Filed Apr. 30, 1919. Serial No. 293,875. 18 Claims. (Cl. 175—312.)



1. In a varied light apparatus, a dial switch; means for continuously revolving said switch in one direction; a lamp; an electrical connection between said dial switch and said lamp; a resistance interposed between said dial switch and said lamp whereby the candle power of said lamp will vary as said dial switch revolves.

1,483,711. ROOFING PAPER. MAURICE BLUMENTHAL, Brooklyn, N. Y. Filed Mar. 29, 1919. Serial No. 286,127. 4 Claims. (Cl. 154—51.)

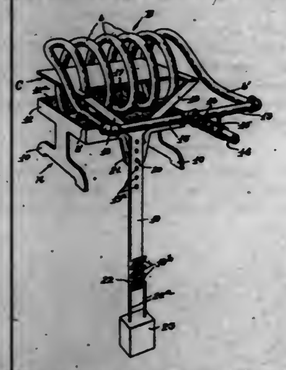


1. An improved composite sheet of the class described, comprising superposed pliable body sheets united and adhesively secured together at their opposed surfaces by an adhesive compound and impregnated therewith, longitudinal reinforcing strips or tapes extending intermediately of said body sheets, and an outer surfacing consisting of scales of mica covering the surface of the top body sheet.

1,483,712. BURNER. FREDERIC BORMANN, Ipswich, S. Dak. Filed Feb. 6, 1923. Serial No. 617,212. 5 Claims. (Cl. 158—53.)

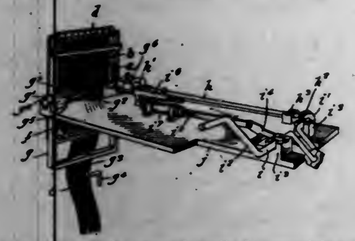
1. In a burner for liquid fuel adapted to be placed in the heating chamber of a stove or furnace, a base formed with a generating fluid receptacle and designed to be supported upon the stove grate, a pipe having a plurality of turns therein forming a generating coil, said coil resting horizontally in said receptacle, fuel conduits communicating with said coil at both ends thereof, an intermediate loop of said coil being formed at the bottom

thereof with an upwardly issuing gas outlet, a horizontal spreader plate reaching through the coil, an upright hanger-bar connected at its upper end with and carrying said plate, said bar having a plurality of intermediate



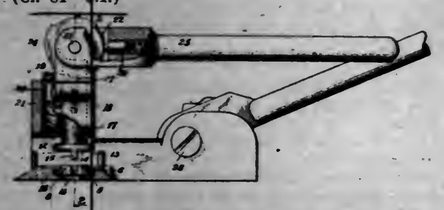
apertures therein, a supported pin on the frame for selective insertion in said apertures and a weight having a vertically adjustable connection with said hanger-bar at its lower end.

1,483,713. TRANSFORMATION-MAKING MACHINE. ALBERT BOURGEOIS, Paris, France. Filed Oct. 11, 1921. Serial No. 507,129. 6 Claims. (Cl. 132—56.)



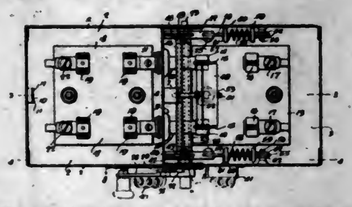
1. A machine of the class described, comprising a table, a frame mounted thereon for retrograde movement, a work carrying member slidable in the frame, means carried by the frame automatically producing a step by step movement thereof actuated at the end of each stroke of the frame, a screw connection with the frame, means for rotating the screw, means for automatically changing the direction of rotation of the screw for producing the retrograde movement of the frame, a needle mounted for reciprocating movement on the table, and means for reciprocating the needle to operate on the work in the member.

1,483,714. METHOD AND MEANS FOR SEALING STRAPPING. EDWARD J. BROOKS, East Orange, N. J. Filed Mar. 14, 1922. Serial No. 543,789. 4 Claims. (Cl. 81—9.1.)



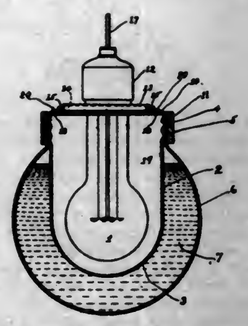
2. The method of forming a seal which consists of associating with overlapped strap ends, by straddling it with respect thereto, an open-face sheet metal seal consisting of a main horizontal portion provided with vertically upstanding wings, then bending the wings beneath the strap ends into a position parallel to the main portion to form substantialy a flat sleeve, then tightening the strap ends lengthwise with respect to each other, and then interlocking the sleeve and overlapped strap ends.

1,483,715. SWITCH-CONTROLLING MECHANISM. JAMES F. BURNS, Philadelphia, Pa., assignor to V. V. Fittings Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1920. Serial No. 361,852. 6 Claims. Cl. 200—67.)



1. The combination of a switch; an operating member therefor; an intermediate member movable independently of the switch and of the operating member for transmitting movement from the latter to the former; an arm pivoted to the intermediate member and connected to the switch; and means for causing said intermediate member to independently actuate the switch through said arm after said member has been brought by the operating member to a predetermined position.

1,483,716. ELECTRIC-LAMP GLOBE. BRUNO B. CHOINSKI, Milwaukee, Wis., assignor of forty-nine one-hundredths to Stanley A. Lange, Milwaukee, Wis. Filed Apr. 6, 1921. Serial No. 459,113. 3 Claims. (Cl. 240—107.)



1. The combination with an electric lamp, of a globe supporting member detachably connected therewith and provided with an annular screw threaded flange, and a globe having spaced inner and outer walls provided with cylindrical threaded portions adapted to be screwed together, one of said threaded portions being adapted to be screwed to said threaded flange, and a body of light diffusing liquid interposed between the unthreaded portions of said walls whereby the liquid may freely vaporize, said threaded portions being adapted to allow the vapor to escape from the cavity formed by the said inner and outer walls.

1,483,717. GUARD FOR ACCELERATOR PEDALS. DUVILLO GRANT CHRISTMAN, Endicott, N. Y. Filed Nov. 6, 1922. Serial No. 599,226. 4 Claims. (Cl. 74—81.)

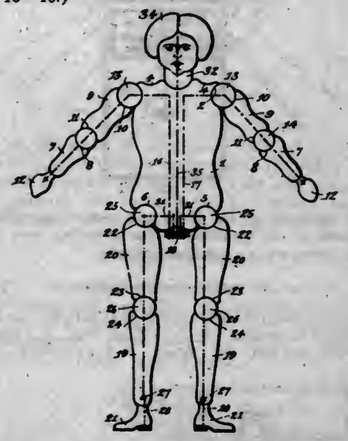
1. A safety device for automobiles, of the character described, consisting of a base to be fastened to the floor board, of an upright member attached thereto, of a stop

on said upright member, a pedal pivotally mounted on the upright member, yielding means for holding said pedal



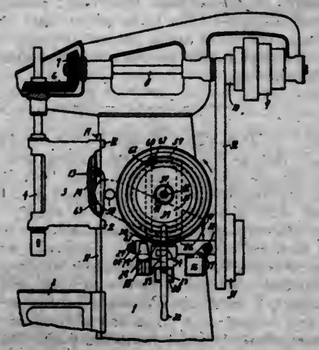
against said stop, the stop limiting the downward movement of the pedal beyond a predetermined point, as and for the purpose described.

1,483,718. TOY DOLL. PAUL E. CORRUBIA, St. Louis, Mo. Filed June 15, 1922. Serial No. 568,448. 2 Claims. (Cl. 46—40.)



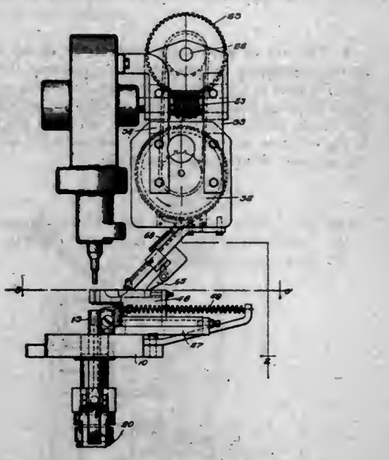
1. In a doll a body portion having seat at the shoulder and hip portion thereof, a sectional arm having a seat opposing the said seat at the shoulder of the said body portion, a sectional leg having seat opposing the seat at the hip of said body portion, a globular member interposed between the shoulder seat and arm seat, a globular member interposed between the hip seat and the leg seat, means to provide said arm with an elbow socket, means to provide said leg with a knee socket, bendable adjusting coupling wires extending through said leg, arm, socket, members and body portion and a terminal plate having said wires attached thereto, said plate arranged exteriorly of the body portion.

1,483,719. VARIABLE-FEED MECHANISM. GEORGE V. CURTIS, West Springfield, and WILLIM H. MINER, Springfield, Mass.; said Miner assignor to said Curtis. Filed Nov. 14, 1922. Serial No. 600,873. 7 Claims. (Cl. 77—33.)



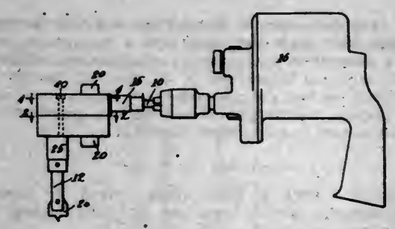
1. A feed mechanism for drill spindles comprising a member adapted to be reciprocated, a pivotally-mounted slotted lever operatively connected with said member, a suitably journaled crank-shaft having an arm, a slide adjustably connected with said arm, said slide being provided with a pin, a block mounted on said pin and adapted to slide in the slot in said lever, and revoluble means for said crank-shaft.

1,483,720. FEEDING MECHANISM FOR RIVET MACHINES. JOHN DLESK, Jr., and SIDNEY R. COOPER, Chicago, Ill., assignors to U. S. Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1922. Serial No. 579,891. 7 Claims. (Cl. 78—48.)



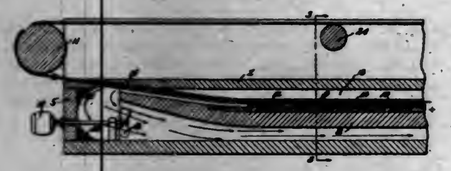
1. In combination, a riveting machine having a longitudinally movable anvil, a rivet holding means in said anvil, a chute through which rivets may be fed, a shuttle having an opening adapted to receive a rivet, and means associated therewith for carrying a rivet from said chute to said anvil on each longitudinal movement of the anvil.

1,483,721. VALVE GRINDER. DELBERT F. DUNHAM, Los Angeles, Calif. Filed Mar. 20, 1922. Serial No. 545,006. 3 Claims. (Cl. 74—50.)



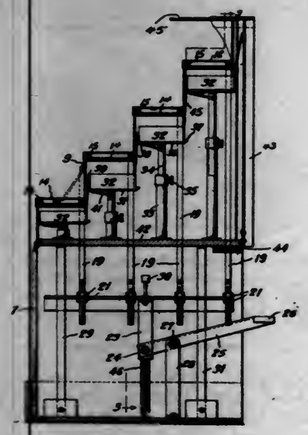
1. In a device of the character described, two spaced parallel counter shafts, worm gears on said counter shafts, a drive shaft at right angles to the counter shafts, a worm on said drive shaft and arranged between said worm gears to engage them and drive them in opposite directions, a spindle parallel to the countershafts, a gear in operative connection with the spindle, and gear segments in operative connection with the counter shafts and adapted to alternately engage the gear to cause oscillatory movement of the gear.

1,483,722. ART OF MAKING ELECTROLYTIC METAL AND APPARATUS THEREFOR. FREDERIC A. EUSTIS, Milton, Mass., assignor of one-half to Charles Page Perin, New York, N. Y. Filed June 13, 1922. Serial No. 567,948. 10 Claims. (Cl. 204—11.)



1. The art of producing electrolytic metal which comprises depositing the metal by electrolysis from an electrolyte upon a continuous, flexible, traveling belt cathode while keeping that part of the electrolyte which surrounds the anode away from the cathode, carrying the deposit out of the solution on the traveling belt cathode, and removing the deposit from the belt cathode.

1,483,723. SHOWCASE. HENRY FREDHOLM, Chicago, Ill. Filed Nov. 18, 1922. Serial No. 601,712. 6 Claims. (Cl. 211—26.)



1. In a show case the combination of a body having a stepped front, each step comprising a transparent front and a transparent top, means for supporting an article beneath each top in position to be observed through the front and the top, and means for elevating the rear edges and sliding the front edges of said tops rearwardly to permit access to the articles displayed.

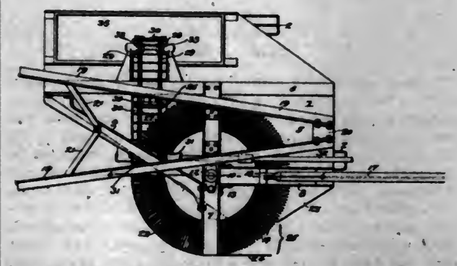
1,483,724. OFFICE INDICATOR. OTTO G. GRENER, Minneapolis, Minn. Filed Mar. 30, 1923. Serial No. 628,710. 3 Claims. (Cl. 177—337.)

1. In an office indicator, a stationary, upright casing, a second casing hinged to the top and adapted to be swung downwardly to the front or to be swung upwardly from the stationary casing, a name-plate and words of information and a numbered dial on the side of the second casing that is exposed when said casing has been swung downwardly to the front of the stationary casing, an obscured announcement-plate provided with words and a movable push-button on the side of the stationary casing adapted to be exposed when the second casing has been swung upwardly, a name-plate and words of direction on the second casing adapted to be exposed when said second casing has been swung upwardly, hands pivoted to the second



casing centrally of the dial, and means operative by a movement of the push-button for directing rays of light to the obscured announcement plate.

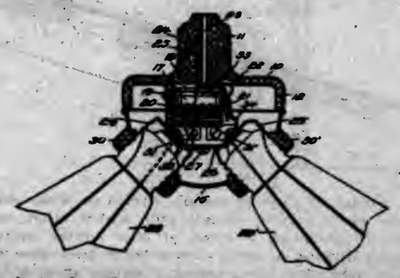
1,483,725. BERRY-STRIPPING MACHINE. ISAAC HARRISON, Creamridge, N. J. Filed Feb. 8, 1922. Serial No. 534,916. 11 Claims. (Cl. 56—330.)



1. The combination in a machine for removing the berries from low growing vines, of a frame; a hub having substantially a vertical axis and having a series of prongs projecting horizontally from the periphery thereof and so located, in respect to the ground, as to engage the vines under the berries; means for preventing the vines engaging the prongs except at one side of the center of the hub so that the vines will turn the hub as the machine is moved past the vines; and guards for preventing the vines from being drawn past the ends of the prongs, the vines being drawn through the spaces between the prongs, the berries remaining upon the surface of the prongs.

1,483,726. AUTOMATIC NIGHT-LAMP FIXTURE. ALBERT J. HEITZ, Vincennes, Ind. Filed May 31, 1922. Serial No. 564,842. 3 Claims. (Cl. 175—374.)

2. An electric light fixture comprising a contact strip in circuit with a source of electrical supply, a pair of lamps in electrical contact with said strip, a pair of conducting members each electrically connected with a lamp and one provided with an extension, an iron yoke, an electro-magnet arranged within said yoke and including an armature, a conducting element in circuit with said source and formed of a fixed and a resilient part, said fixed part secured to and insulated from said yoke and electrically connected with the coil of said magnet, said resilient part carried by and insulated from said armature and coperating with said extension and normally out of contact with said extension when the magnet is energized and contacting with said extension to close the circuit to one of the lamps when the magnet is de-energized, circuit forming connections leading from the other of said members to the coil of the magnet to close the



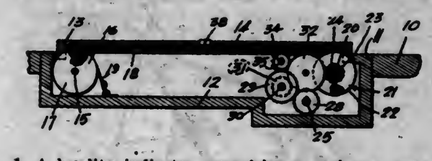
circuit to the other of said lamps when the magnet is energized, a body portion of insulation provided with a chambered extension having said yoke and magnet arranged therein, and socket forming members supported from said body portion and each receiving one of said lamps.

1,483,727. OPHTHALMIC LENS. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 16, 1919. Serial No. 324,087. 3 Claims. (Cl. 49—84.)



1. The process of producing a blank for a bifocal lens consisting in polishing a portion of glass in flat sheet form, forming a mold with a major or distance curve portion and a projecting center curve portion, placing the blank supported on the center curve portion and subjecting the mold and blank to gradual heat to cause the blank to subside onto the mold, substantially as illustrated.

1,483,728. LOCALITY INDICATOR FOR VEHICLES. SCHUYLER H. HOLMES, Venice, Calif. Filed Oct. 6, 1921. Serial No. 505,710. 3 Claims. (Cl. 40—42.)



1. A locality indicator comprising a casing, a pair of shafts journaled in the casing, drums on the shafts, a flexible map carrying member trained about one of the drums and extending to the other drum, a gear loosely mounted on the shaft of the second mentioned drum, resilient means for normally urging the gear toward the drum so as to frictionally engage the latter, a shaft extending from the casing, and means for operatively connecting the last mentioned shaft with said gear.

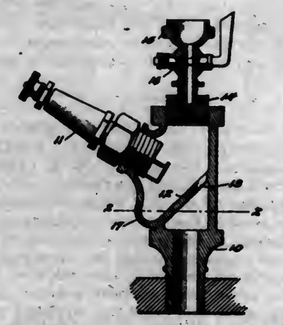
1,483,729. DOMESTIC DEVICE FOR WINDING AND HOLDING WOOL. ALBERT EDWARD ISTED, London, England. Filed May 9, 1923. Serial No. 637,820. 2 Claims. (Cl. 242—146.)

1. A device for winding and holding wool and the like for domestic purposes comprising a cylindrical or other suitably shaped container provided with end caps or lids, an opening in said container for the passage of the wool or the like, a spindle connected to one of the said



lids and passing through a hole in the other lid, a pair of discs on said spindle and an operating knob at the outer end of said spindle.

1,483,730. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. HARRY C. KIRBY, Macon, Ga. Filed May 19, 1923. Serial No. 640,029. 4 Claims. (Cl. 123—169.)



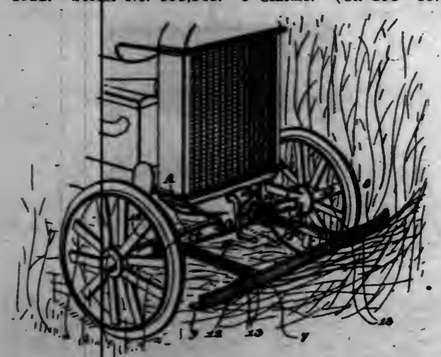
1. An ignition device for internal combustion engines, comprising a nipple adapted to be attached to a cylinder head and having a restricted passage adapted to communicate with the interior of the cylinder, and having a chamber provided with an inclined partition extending over said passage provided with an opening therethrough adjacent its upper end out of alignment with said passage, a spark plug attached to said nipple and extending into said chamber above said partition, said chamber being formed with a pocket directly below the terminals of said plug, and a screw plug in the side of said pocket normally closing a vent below said terminals.

1,483,731. CUFF PROTECTOR. VOLNEY E. KIRK, Los Angeles, Calif. Filed Apr. 16, 1923. Serial No. 632,303. 6 Claims. (Cl. 2—79.)



1. A cuff protector comprising a band adapted to encircle the wrist and be received over the shirt cuff and having means for connecting the meeting edges of said band between the upper and lower edges thereof, and means tending to expand the upper edge of said wrist encircling band so as to pivot its meeting edges at their fastening connection and thereby contract the lower edge of the band around the wrist.

1,483,732. CLEARER OR SHIELD FOR TRACTORS. JOHN F. KLEIN, Wilmington, N. C. Filed Oct. 18, 1922. Serial No. 595,343. 5 Claims. (Cl. 293—55.)

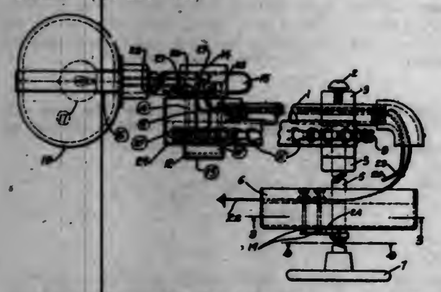


1. The combination with a tractor, of a shield member rigidly supported from the front axle thereof across the front of the tractor and so constructed and arranged as to crush or break down vegetation in front of the tractor.

1,483,733. PROCESS OF TREATING WOOD FOR THE MANUFACTURE OF MUSICAL INSTRUMENTS. LOUIS KOESLER, Schenectady, N. Y. Filed July 5, 1922. Serial No. 572,799. 3 Claims. (Cl. 91—70.)

1. The process of treating wood for the manufacture of stringed musical instruments consisting in first subjecting the wood to the action of dry heat to remove all moisture and volatile substances therefrom and substantially carbonize the wood, then allowing the heat in the wood to radiate and applying a heavy coat of varnish thereto, again subjecting the varnished wood to the action of heat of a temperature less than the initial application thereof, and finally rubbing the wood with grease obtained from roasted pigs' feet.

1,483,734. TRAFFIC SIGNAL FOR AUTOMOBILES AND THE LIKE. WILLIAM J. KRAMER, St. Louis, Mo., assignor of one-half to Ira W. Hendricks, St. Louis, Mo. Filed May 9, 1921. Serial No. 467,862. 4 Claims. (Cl. 116—54.)



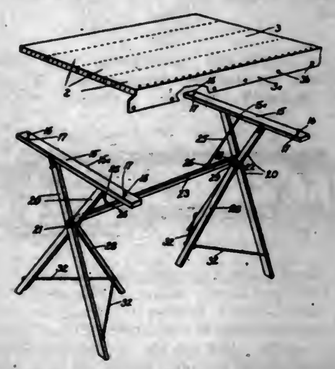
1. An automobile-signaling attachment comprising, in combination, a supporting-bar adapted for rigid location horizontally upon the automobile forwardly of the instrument-board thereof, spaced bearings fixed on the bar, shafts mounted for rotation in said bearings at right angles to the bar, a shiftable signalling-arm fixed at an end upon one of the shafts and disposed at a right angle thereto, gears fixed upon both the shafts, a flexible member connecting the gears, and an operating-member fixed upon the other shaft for manually actuating the gears to shift the arm through rotary actuation of said one shaft.

1,483,735. METHOD OF CONSTRUCTING ROOFS. BERNIE C. KEIDLER and JAMES C. BOYLE, Flint, Mich. Filed Feb. 20, 1923. Serial No. 620,163. 1 Claim. (Cl. 108—9.)



A method of forming roofing structures when using shingle sheets having shingle ends spaced apart, consisting in mounting a series of clips having upright sections disposed in service at a lower level than the body of said clips; then setting a shingle sheet having shingle ends spaced apart so that the said upright sections rest within said spaces and in engagement with said shingle sheet at the upper ends of said spaces; then setting a furring strip on the rafters of the standing structure so that the upper edge of said strip coincides with the upper edge of said shingle sheet; then securing the furring strip on the roof rafters; then setting a second series of clips having upright extensions at the lower ends thereof, said second series of clips being disposed in staggered relation to the first series of clips and in position coinciding with the spaces between the shingle ends of a second shingle sheet; then setting said second shingle sheet so that the extremities of the shingle ends thereof rest in contact with the upright sections of the first series of clips and the inner ends of the spaces holding the upright sections of the second series of clips; and then overturning the upright sections of the first series of clips.

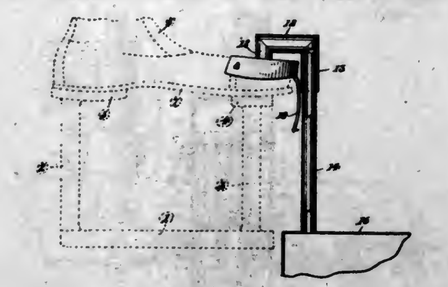
1,483,736. COLLAPSIBLE CAMP TABLE. MADS M. LARSEN, Colton, Calif., assignor of one-fourth to Michael A. Bausch, Colton, Calif. Filed Dec. 12, 1922. Serial No. 606,432. 5 Claims. (Cl. 190—12.)



2. In a collapsible camp table, a table stand consisting of sets of pivotally connected legs, cross pieces attachable to the top ends of the legs when they are in diverging positions, a longitudinal brace for connecting the sets of legs, and supplementary bracing leg sections.

1,483,737. SHOE-HEATING DEVICE. ADOLF LESZKOWICZ, Binghamton, N. Y. Filed Sept. 21, 1922. Serial No. 589,604. 2 Claims. (Cl. 12—1.)

1. In combination with a support for a shoe, means for heating and moistening the toe of the shoe and positioned adjacent thereto, said heating means comprising a steam chamber having communication with a steam



dome, and being so constructed as to permit of relative swinigng and sliding movements of the steam chamber toward and away from the toe of the shoe.

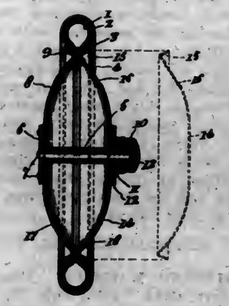
1,483,738. PROCESS OF MAKING HIGHLY-ETHERIFIED ETHERS OF CELLULOSIC BODIES. LEON LILIENFELD, Vienna, Austria. Filed Jan. 10, 1921. Serial No. 436,380. 27 Claims. (Cl. 260—152.)

27. Process of manufacturing ethers of cellulosic bodies by converting such ethers of lower degrees of etherification into ethers of higher degrees of etherification which process comprises adding caustic alkali to a reaction mass containing a cellulosic ether of a lower degree of etherification to form a mixture containing an amount of water not substantially in excess of five times the weight of the cellulose under etherification and treating the thus obtained mass with an ester of an inorganic acid.

1,483,739. TURPENTINE SUBSTITUTE. KARL MARX, Dessau, Germany, assignor to the Firm Tetralin Gesellschaft mit beschränkter Haftung, Berlin, Germany. Filed Aug. 2, 1921. Serial No. 489,257. 3 Claims. (Cl. 134—56.)

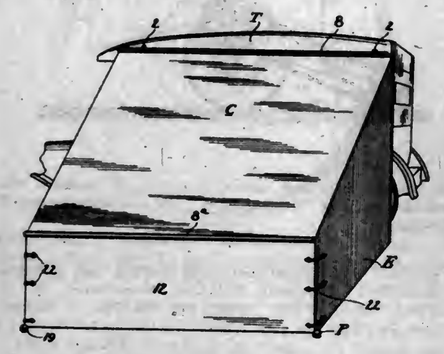
2. A product comprising a mixture of turpentine and hydrogenated naphthalene as a solvent or diluent.

1,483,740. DISK WHEEL. JAMES R. MONTGOMERY, Butte, Mont., assignor of one-fourth to Thomas F. Golden and one-fourth to William J. McIntosh, both of Butte, Mont. Filed Jun. 15, 1923. Serial No. 612,782. 3 Claims. (Cl. 301—63.)



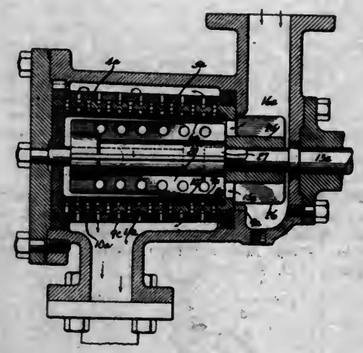
2. A wheel comprising a hub, an inner disk secured to the hub and having a flanged outer end adapted to engage one side portion of a demountable rim, means arranged between said disk and the rim to drive the rim with the disk, an outer disk entirely free of the inner disk and the rim but having a flanged edge portion bearing against the outer part of the demountable rim, and means engaging the hub to removably support the outer disk in place.

1,483,741. AUTOMOBILE CAMP TENT. HENRY C. MOFFETT, Hanford, Calif., assignor of one-third to J. L. Moffett, Visalia, Calif., and one-third to Harry V. Brenton, Hanford, Calif. Filed Apr. 12, 1923. Serial No. 631,653. 6 Claims. (Cl. 135—4.)



1. A collapsible tent outfit including brackets adapted to be fastened to automobile top elements, a tent top rail frame member secured to the brackets, and collapsible tent frame forming members attached to the top rail and adapted to be set up in lateral, extended position from the automobile top, which latter forms the primary support for the top of the frame.

1,483,742. METHOD AND MEANS FOR THE TREATMENT OF FATS AND OILS. JOHN STEVENS NICOL, Putney, London, England, assignor to William Douglas & Sons, Limited, London, England. Filed Jan. 12, 1922. Serial No. 528,754. 19 Claims. (Cl. 87—12.)

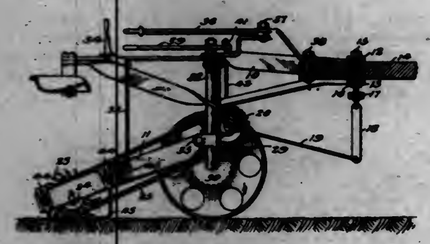


1. In a method of treating fats or oils, forcing the same through successive transverse openings in differentially moving elements in close juxtapositions.

1,483,743. SOIL PULVERIZER. FRANK H. PAGE, Waverly, Iowa. Filed May 13, 1922. Serial No. 560,686. 2 Claims. (Cl. 97—40.)

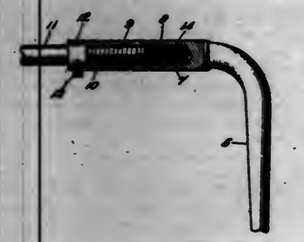
1. In an implement of the class described, a wheeled axle, a shaft having radially disposed shovels thereon, a sprocket wheel on said shaft, a pinion on the axle adapted to turn with the turning of one of the wheels, a

shaft adjacent the axle, a sprocket wheel on the last-mentioned shaft, a chain running over said sprockets, a pinion on the last-mentioned shaft meshing with the pin-



ion on the axle, and means to clutch or uncluteh the second-mentioned pinion and the second-mentioned sprocket.

1,483,744. OVERWINDING PREVENTER FOR SPRING MOTORS. THEODORE PHILLIPS, Washington, D. C. Filed Nov. 1, 1922. Serial No. 598,378. 5 Claims. (Cl. 74—33.)



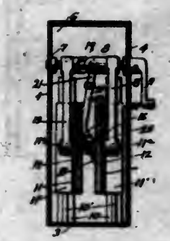
1. A device of the class described comprising means adapted to engage the shaft of a spring motor to rotate the same; means for rotating said first named means; and a threaded frictional connection between said first and second named means adapted to normally transmit motion from said second to said first named means, and to permit relative movement between the two when said first named means meets with a predetermined resistance.

1,483,745. MAGNIFIER. CARL F. PROPSON, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 2, 1919. Serial No. 294,135. 3 Claims. (Cl. 88—39.)



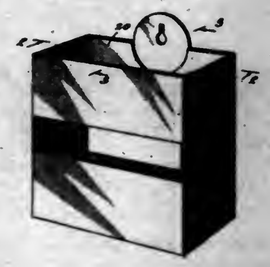
1. A flexible handle magnifier, including a lens engaging rim having outwardly deflected terminal portions, an elongated resilient tube mounted on said terminal portions and of length to provide a handle, the terminal portions extending through said tubular member and terminating thereberond in flared parts frictionally engaging the tubular member to retain the latter in position.

1,483,746. SAFETY-RAZOR-BLADE-SHARPENING DEVICE. JOSEPH B. RUATTI, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 553,150. 7 Claims. (Cl. 51—65.)



1. A machine for sharpening safety razor blades comprising fixed guides having slides with stropping faces, means for reciprocating the slides concurrently in reverse motions, and means for holding a blade between and alternately moving the blade against the slides.

1,483,747. FOLDING MATCH SAFE. WALTER SAMMIS, Brooklyn, N. Y. Filed May 9, 1922. Serial No. 559,624. 5 Claims. (Cl. 206—30.)

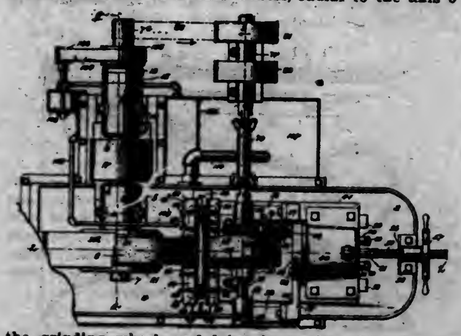


1. A folding match safe, comprising an upper compartment, a lower compartment spaced therefrom, said compartments having the same end walls which extend from one compartment to the other, and a supporting tab arranged adjacent the upper compartments, the walls of said compartments, said tab and said end walls being formed from a single blank having a tab provided with adhesive, said blank being creased to readily fold into said upper and lower compartment with certain of the parts interlocking sufficiently to retain their folded position by friction after receiving matches or other articles and the remaining parts held in their folded position by said adhesive.

1,483,748. GRINDING MACHINE. FRANCIS C. SANFORD, Bridgeport, Conn. Filed July 30, 1920. Serial No. 400,150. 40 Claims. (Cl. 51—103.)

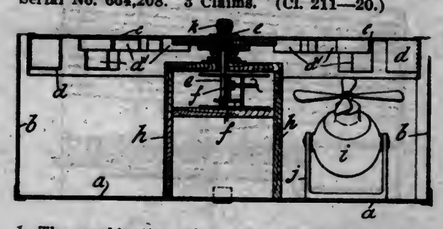
1. A grinding machine comprising a grinding wheel carried in bearings; a work support arranged across and near the periphery of said wheel; a second wheel peripherally opposed to the periphery of the grinding wheel, located on the opposite side of the work support

and journaled in a yoke rotatable about an axis passin through the centers of said wheels, radial to the axis o



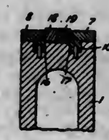
the grinding wheel, and lying in a plane bisecting the peripheral working face of the grinding wheel; and means for rotating said wheels at suitable speeds.

1,483,749. ROTATING PLATFORM. ALFRED HAROLD SEEAR, Wembley Park, England. Filed Sept. 22, 1923. Serial No. 664,208. 3 Claims. (Cl. 211—20.)



1. The combination of a rotatable platform provided on its underside with propelling vanes, a casing surrounding the platform, and a rotary fan within the casing which directs air currents to the vanes and thus causes the platform to rotate by air currents initially confined within the casing.

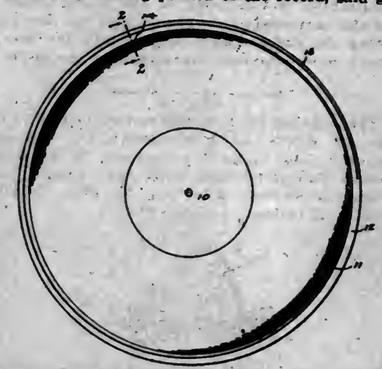
1,483,750. PACKING. JOHN W. SHEPARD, Tucson, Ariz. Filed June 21, 1922. Serial No. 569,914. 3 Claims. (Cl. 74—108.)



1. In a packing of the character described, a piston, said piston at the periphery thereof being formed with a pair of annular grooves substantially rectangular in cross section, a pair of packing rings L-shaped in cross section and engaging the periphery of the piston with one leg depending into the respective grooves, each of said bearing rings being cut at one point, means for securing said bearing rings to said piston so that the bearing rings will not have independent rotary movement but will be permitted to expand, and a plurality of packing rings arranged between said bearing rings.

1,483,751. PHONOGRAPH RECORD. LEONARD SLINGLAND, Paterson, N. J. Filed Aug. 18, 1922. Serial No. 582,783. 1 Claim. (Cl. 274—42.)

As a new article of manufacture, a phonograph disc record having a smooth portion lying between the marginal edge and the sound producing portion and provided with a spiral groove having its outer end adjacent the outer margin of said smooth portion, said groove extending more than one full turn around the record and having its inner end terminating immediately in advance of the sound producing portion of the record, said groove



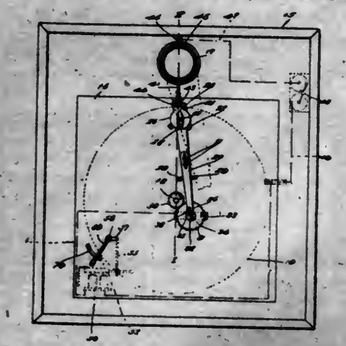
being larger, deeper and having its convolutions of greater pitch than the sound producing grooves, substantially as and for the purpose set forth.

1,483,752. DITCHING, GRADING, AND LEVEE-BUILDER MACHINE. WILLIAM A. STEELE, Owensboro, Ky., assignor to Owensboro Ditcher & Grader Company, Owensboro, Ky., a Corporation of Kentucky. Filed Feb. 14, 1921. Serial No. 444,788. 2 Claims. (Cl. 37—173.)



1. A machine of the character described including a land side, a mold-board or cutting-blade, brackets secured to the forward ends of said parts, a bolt pivotally connecting these brackets, one bracket of greater length than the other, and means removable from the bolt and insertible between adjacent ends of the brackets for maintaining an adjusted position between the forward end of the land side and mold-board.

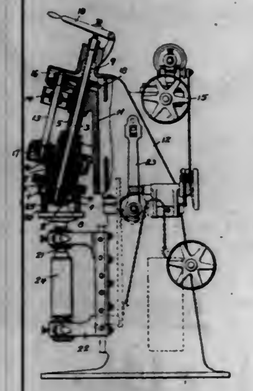
1,483,753. STOP FOR TALKING MACHINES. RICHARD W. STEWART, Auburn, N. Y. Filed June 21, 1922. Serial No. 569,858. 5 Claims. (Cl. 192—123.)



1. The combination with a sound reproducing machine including a disc record, a brake for holding the record against movement and a tone arm movable over the

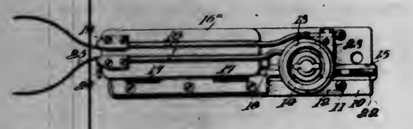
record, of a circuit closer including a pivotally mounted arm, means controlled by the operation of the machine for controlling the operation of the circuit closer and means also controlled by the operation of the machine for rendering the circuit closer inactive until the tone arm reaches a predetermined inward limit of movement.

1,483,754. MACHINE FOR GRINDING ROLLERS HAVING AN ARC-SHAPED GENERATRIX. VICTOR A. SVENSSON, New York, N. Y., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Aug. 24, 1920. Serial No. 405,636. 7 Claims. (Cl. 51—130.)



1. Machine for grinding rollers having an arc shaped generatrix, comprising in combination, a rotary grinding disc having a curved working surface to act on the rollers and form said arc shaped generatrix, a race ring for holding the rollers with their peripheral surface presented to the curved working surface of the grinding disc, the axis of said race ring intersecting the axis of the grinding disc, and a roller cage adapted to cause the rollers to rotate relatively to the race ring during the grinding operation.

1,483,755. CAPPING-OFF DEVICE. GUS W. SWANSON, Morgantown, W. Va., assignor to The United States Window Glass Company, Morgantown, W. Va., a Corporation of West Virginia. Filed Aug. 8, 1922. Serial No. 580,553. Renewed Jan. 4, 1924. 17 Claims. (Cl. 49—50.)



1. A capping-off device comprising a heating wire, means for temporarily anchoring the ends of said wire, conductors having terminals, and means whereby said terminals may be moved into and out of engagement with said heating wire to bring them into and out of circuit.

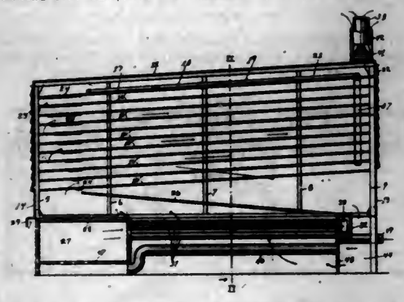
1,483,756. CAPPING-OFF DEVICE. GUS W. SWANSON, Morgantown, W. Va., assignor to The United States Window Glass Company, Morgantown, W. Va., a Corporation of West Virginia. Filed Aug. 8, 1922. Serial No. 580,554. Renewed Jan. 4, 1924. 20 Claims. (Cl. 49—50.)

1. A capping-off device comprising a heating wire, conductor members secured to the ends thereof, means for temporarily anchoring said conductor members, conductors having terminals, and means whereby said terminals may be moved into and out of engagement with said conductor members.



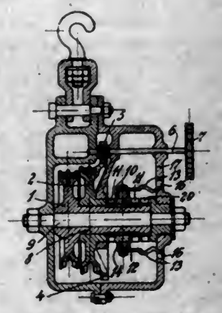
7. A capping-off device coprising a base, a carrier movably mounted on said base, conductors secured to said base and provided with terminals mounted to move with said carrier, a heating wire having normally free ends positioned to register with said terminals, and means on the base capable of anchoring the ends of said heating wire during movement of the terminals.

1,483,757. DEHYDRATING APPARATUS. HARTWICH D. TODT, San Francisco, Calif. Filed Mar. 17, 1923. Serial No. 625,753. 2 Claims. (Cl. 34—39.)



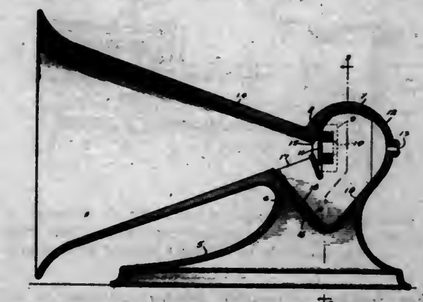
1. In a device of the character described, a drying chamber having a plurality of supports, parallel spaced on the sides thereof, and adapted to receive trays slidably disposed thereon, a plurality of baffle plates of varying lengths secured to said supports, a deflector plate mounted below said supports and inclined downwardly from the lowermost of said baffle plates and means for conducting heated air upwardly against said deflector plate, means for exhausting a portion of said heated air from said chamber, and means for re-heating the balance of said air, substantially as and for the purpose specified.

1,483,758. PULLEY BLOCK. KARL TORP, Christiania, Norway. Filed Sept. 13, 1922. Serial No. 588,017. 4 Claims. (Cl. 254—171.)



1. In a pulley block the combination with a chain wheel, a sleeve connected with the hub thereof, a second chain wheel rotatably mounted on said sleeve, and adjustable coupling means for connecting or disconnecting the two wheels comprising a disk slidably and non-rotatably mounted on said sleeve.

1,483,759. HORN. RALPH R. WILLIAMS, Detroit, and JAMES T. MALLOY, Richmond, Mich., assignors to The Williams Radio Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 25, 1922. Serial No. 596,910. 6 Claims. (Cl. 181—27.)



1. A device of the character described comprising a reflecting chamber adapted to receive a sound producing diaphragm, an amplifying horn having an inlet opening in its vertex end communicating with said chamber, and a reverberatory sinus communicating between said chamber and said horn.

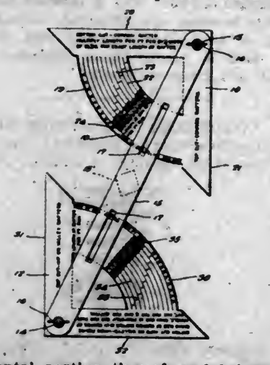
1,483,760. COMBINED BRUSH AND SCRAPER. GINJIRO YOSHIZAWA, San Francisco, Calif. Filed Feb. 10, 1923. Serial No. 618,361. 1 Claim. (Cl. 15—111.)



In a brush, a hand grip and scraper fixed to the end of the hand grip, said scraper having three scraping edges, one edge being semi-circular and the other two being straight edges, one of the straight edges being cut at an obtuse angle to the other straight edge and extending inwardly toward one side of said hand grip to leave a relatively sharp pointed corner at the meeting ends of the two edges, the grip having one end kerfed and receiving said scraper and said scraper being provided with a pointed projection which is driven in the grip axially thereof and a single fastening device securing the scraper to said grip and serving to hold said projection in said grip and the blade against rocking thereon.

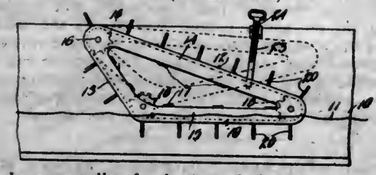
1,483,761. COMBINED ROOF SQUARE, TRY SQUARE, AND BEVEL SQUARE. WESLEY THEODORE YOUNGBLOOD, Port Arthur, Tex. Filed June 5, 1922. Serial No. 565,926. 1 Claim. (Cl. 33—93.)

In a device of the class described, a plate having edges at right angles with each other and having a segmental portion, a bar pivoted near the point of juncture of these edges, the plate carrying a series of graduations permitting the device to be set for a given rise of a rafter per foot run, said bar having a slot for registration with the graduations, and the plate carrying another series of graduations, indicating by marks appearing through said slot, when the bar is set as specified, the length of the rafter per foot run for a given rise per foot run, the last named series of graduations increasing progessively from one edge of the plate toward the center



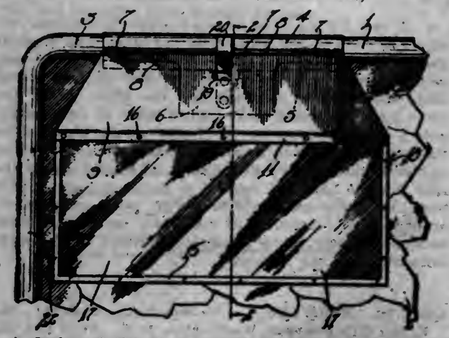
of the segmental portion thereof, and being designated by concentric curves, and by numbers increasing progressively from a point near the pivotal mounting of the bar, outwardly from said point.

1,483,762. PROPELLER FOR BOATS. JOSEPH ALCORN, Contesville, Ind. Filed July 5, 1923. Serial No. 649,743. 8 Claims. (Cl. 115—63.)



2. In a propeller for boats and the like, a propelling unit at each side of the boat, each unit comprising a pair of triangular frames spaced from each other and having one side parallel to the surface of the water, a shaft at the angle remote from the water forming a pivot for said frames, a sprocket on said shaft, means for driving said sprocket, guides at the other angles of the triangular frame, a sprocket chain passing over said sprocket and said guides, and blades extending transversely of the chain, substantially as set forth.

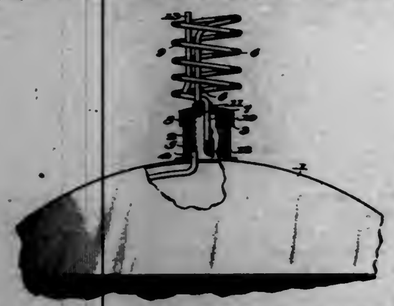
1,483,763. GLARE ELIMINATOR. CHARLES HENRIC ANDERSON, Walworth, Wis. Filed Oct. 28, 1922. Serial No. 597,640. 1 Claim. (Cl. 296—97.)



A device of the character described comprising a resilient clamping member adapted to yieldably engage with and be supported upon the rail of a wind shield, a plate hingedly mounted on said clamping member, a

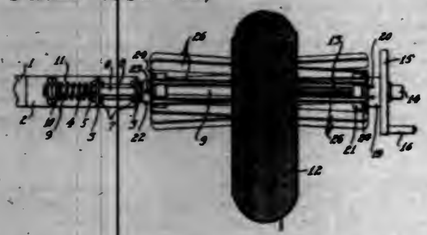
frame carried by said plate at the outer end thereof, a sheet of tinted transparent material mounted in said frame, said plate having an opening therethrough adjacent its hinged support, and a resilient strap fixed to said clamping member and arranged to project through the opening in said plate, whereby said plate may be frictionally held in predetermined positions by the engagement of said strap therewith.

1,483,764. CONDENSER FOR AUTOMOBILE RADIATORS. CLARENCE BARNES, Stillwater, Okla. Filed May 9, 1921. Serial No. 468,153. 3 Claims. (Cl. 257—25.)



1. In combination, an auto radiator cap, a condenser carried thereby, consisting of a spirally-wound coil having its upper end projecting downwardly and connected through the cap and in communication with the radiator forming the inlet end of the condenser, the lower outlet end of said condenser passing through the radiator cap and in communication with the radiator and being provided with an automatic outlet valve, and a vent connected to said condenser coil adjacent the outlet end thereof.

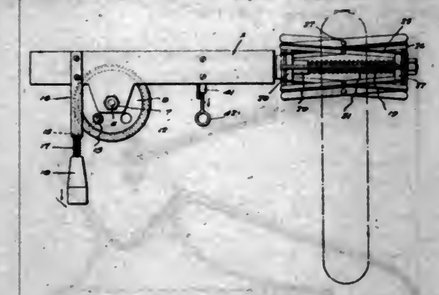
1,483,765. WIRE REEL. DALRIDGE B. BEAVERS, Washington, D. C. Filed Sept. 21, 1921. Serial No. 502,213. 2 Claims. Cl. 242—112.)



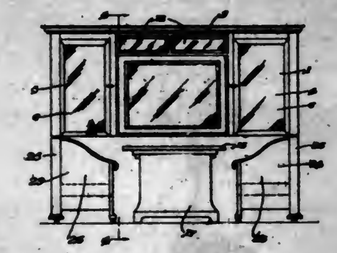
1. A reel having heads, one of which is movable rectilinearly toward and away from the other, and straight blades arranged in pairs with the blades pivotally connected together at their centers and with one end of one blade connected to one head and the other end of the other blade connected to the other head, in combination with a shaft carrying the said heads and having an outer threaded portion, and a manually-movable nut mounted on the threaded portion of the shaft outwardly beyond the said movable head and coupled in swivel manner to said head; the inner portion of said shaft being journaled in an appropriate support, and tensioning means interposed between the said support and an abutment on the shaft inwardly from the support.

1,483,766. WIRE REEL. DALRIDGE B. BEAVERS and PATRICK D. BEAVERS, Washington, D. C. Filed Dec. 23, 1921. Serial No. 524,474. 8 Claims. Cl. 242—112.)

2. The combination in a reel, of coil carrying means capable of expansion and contraction, a frame, a toothed plunger rod movable lengthwise in the frame and connected to a part of the carrying means and supporting said means, a spring on the rod and bearing against said part, a dentent to detachably hold the plunger rod in retracted position, a movable member arranged to act against an abutment on and retract the plunger rod, and means operable by an attendant to move said movable member.



1,483,767. FURNITURE. OLIVER H. BECKTEL and WILLIAM E. O'BRIEN, Chicago, Ill. Filed Sept. 17, 1921. Serial No. 501,251. 4 Claims. (Cl. 45—51.)



1. In an article of furniture, a cabinet, guides carried thereby, a table top, extensions on said table top engaging in said guides, longitudinally extensible braces pivotally connected to the guides and to said table top, and a leg structure hingedly connected to the table top.

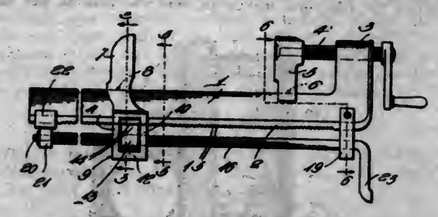
1,483,768. SILENT-ALARM WRIST WATCH. RALPH BICKERTON, Brooklyn, N. Y. Filed June 15, 1922. Serial No. 568,592. 1 Claim. (Cl. 58—57.)



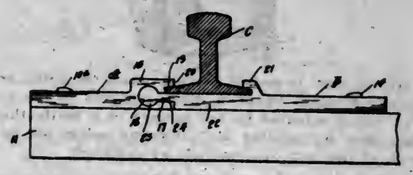
A wrist watch alarm comprising a watch casing, a spring actuated drum mounted for rotation in said casing, a plurality of undulations formed on said drum, a plunger mounted in said casing and arranged parallel to the vertical axis of said drum, and a spring co-operating with said plunger for normally holding the same in retracted position and into engagement with said undulations, whereby rotation of said drum will cause said plunger to be gradually extended from said casing.

1,483,769. CLAMP. THEOPHILUS BILLINGTON, Clearwater, Fla. Filed Apr. 9, 1923. Serial No. 630,891. 2 Claims. (Cl. 144—303.)

1. A clamp comprising a shank having a relatively stationary jaw adjacent its front end, said front end of the shank having a bearing at the side of the shank opposite said jaw, a relatively movable jaw slidable along said shank and having a yoke at the last named side thereof, a rotatable cam in said yoke to wedge between a portion of the latter and said shank and hold said movable jaw in adjusted position, and a shaft for turning said cam, said shaft extending rotatably through the aforesaid bearing and having a handle at its front end.

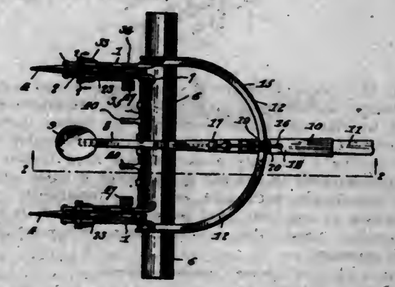


1,483,770. RAIL SEAT OR BRACE. WILLIAM W. BLACKWELL, Marblehill, Ga. Filed May 10, 1923. Serial No. 638,010. 3 Claims. (Cl. 238—34.)



1. A rail chair having sections, means on the sections to hold the rail, a tenon on one of the sections, the other section having a mortise to receive said tenon, said tenon having a projecting portion, and the latter section having means into which said projecting portion extends.

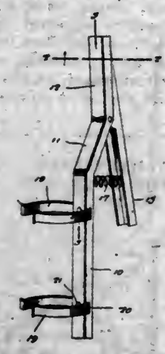
1,483,771. PLOW. JOSEPH BOUCHARD, Lachine, Quebec, Canada. Filed Nov. 25, 1922. Serial No. 603,285. 1 Claim. (Cl. 37—164.)



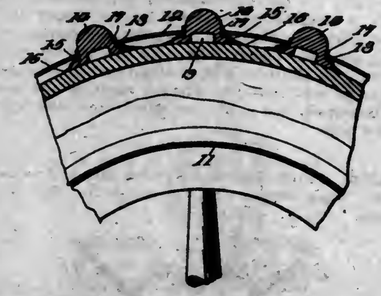
A plow comprising a body portion, a post rotatably carried thereby, a wheel journaled in said post, a fork secured to the post, a disk mounted within the fork and engaging the sides thereof, a shaft eccentrically fixed to the disk, a handle for turning the shaft, a scraper secured to said body portion, a curved member mounted on said scraper and fixed thereto, a draft element pivoted to the scraper, and means for adjustably engaging said element with the curved member.

1,483,772. COW-TAIL HOLDER. LEO PETER BRANDWIE, Houston, Ohio. Filed Apr. 23, 1923. Serial No. 634,084. 4 Claims. (Cl. 119—105.)

3. A holder of the character described comprising an elongated bar having open loop like clips engageable upon the leg of the operator, one end portion of said bar constituting a jaw, a second bar pivotally connected with the first named bar and constituting a jaw co-operating with the first named jaw, and a spring for urging said jaws into clamping relation, both bars being channel shaped in cross section and the second named bar fitting within the first named bar and having its side edges notched.

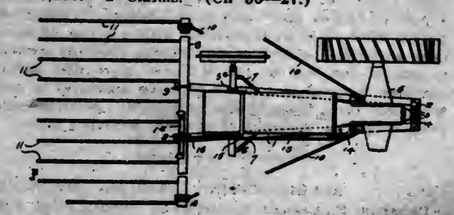


1,483,773. ANTISKID WEAR-RESISTING ARMOR FOR TIRES. HARRY S. BRICKELL, deceased, late of Pittsburgh, Pa.; by Emma D. Brickell, executrix, Pittsburgh, Pa., assignor to said Emma D. Brickell, Pittsburgh, Pa. Filed Jan. 7, 1920. Serial No. 350,005. 8 Claims. (Cl. 152—16.)



1. A wear-resisting anti-skid device of the character described comprising a protector casing shaped to be retained in position around an inflated tire by the expansion of the latter, and a plurality of independent tread members projecting through said casing and having their inner portions shaped to engage the surface of a tire and provided with suction recesses.

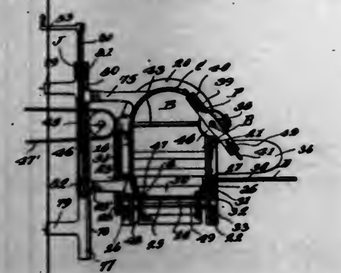
1,483,774. TRACTOR-SWEEP HITCH. OMER BROOKS, Stanton, Nebr. Filed July 25, 1922. Serial No. 577,270. 2 Claims. (Cl. 56—27.)



2. An appliance of the character specified comprising forwardly diverging beams, a plate connecting the converging ends of the beams and adapted to couple the same to the hitch plate of a tractor, means coupling the beams to the front axle of the tractor, a sweep head having piv-

otal connection with the front ends of said beams, braces between the outer ends of the sweep head and the rear portions of the said beams, teeth extending forwardly from the sweep head, a standard extending upwardly from the sweep head, an operating lever mounted upon one of said beams, and connecting means between the operating lever and standard whereby to pivotally adjust the sweep head and effect a raising or a lowering of the teeth.

1,483,775. CORN HARVESTER. CARTER F. BUSSE, Chamois, Mo. Filed Apr. 9, 1921. Serial No. 459,887. 8 Claims. (Cl. 56—18.)



1. A corn harvesting machine comprising a longitudinally extending hopper, a conveyor belt mounted within said hopper, a forwardly extending platform carried by the hopper, the platform including a plurality of spaced prongs, a rotatable reel carried by the hopper and arranged above the platform, a plurality of spring pressed sliding stripping fingers carried by the reel for cooperation with the platform, and an elevating belt arranged on one end of said conveyor belt for receiving the ears of corn therefrom and means for raising and lowering said elevator belt.

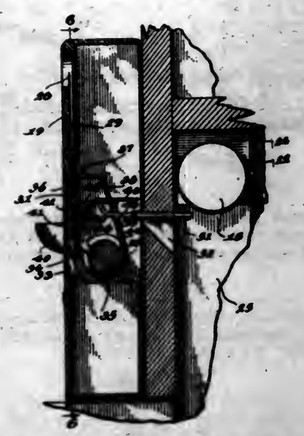
1,483,776. PLOW. ROBERT H. CADENHEAD, Brownwood, Tex. Filed Feb. 2, 1923. Serial No. 616,530. 1 Claim. (Cl. 97—205.)



A plow foot having a plow blade secured thereon by a bolt and nut, said blade having a lug directed toward the foot, a substantially V-shaped plate having its outer edges sharpened and provided with an opening to receive the lug therethrough, and said V-shaped plate resting directly on the foot and having its arms at their inner edges contacted by the bolt, said V-shaped plate having a pair of spaced lugs thereon and having its arms adjacent their outer ends provided with a series of openings, sweep blades each of which being pivotally secured to one of the lugs of the V-shaped plate and having openings designed to register with the apertures in said V-shaped plate, and means adjustably securing said sweep blades to the arms of the said V-shaped plate.

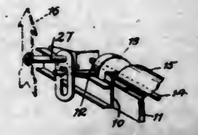
1,483,777. REFRIGERATING VENDING MACHINE. CHARLES F. CALLAHAN, Memphis, Tenn. Filed Feb. 12, 1923. Serial No. 618,630. 3 Claims. (Cl. 194—39.)

1. A refrigerator comprising a refrigerated cabinet containing bottled goods and having a delivery chute, a slide to control the movement of bottles to the chute, means to normally lock the slide and to release same on inserting a proper coin, said means comprising a casing having a coin slot with means to unlock the slide actuated by the presence of the coin, said casing having an outlet for the coin, means to hold the coin in the slot



until the slide is moved, means to mask the outlet as the coin is released, means to divert the coin to the outlet, and means actuated by the passage of a bottle through the chute for shifting said diverting means out of the path of the cam, substantially as described.

1,483,778. GUIDE. COLIN J. CAMPBELL, East Orange, N. J., assignor to Standard Auto Parts Company of America, Newark, N. J., a Corporation of New Jersey. Filed June 21, 1921. Serial No. 479,371. 4 Claims. (Cl. 74—14.)



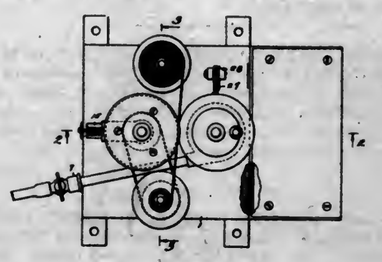
1. In a signal wherein a signal member and a longitudinally slotted lever are fixed upon a rotatable shaft, and wherein the signal is rotated by means including a longitudinally reciprocable and axially rotatable member having a laterally projecting rod fixed thereto and loosely engaged in the slot of the lever, a guide adapted for association with said rod to automatically cause swinging of the latter and partial rotation of its longitudinally reciprocable member upon reciprocation of said member.

1,483,779. HEADLIGHT ATTACHMENT. JOHN A. CARSON, Huntington, N. Y. Filed Mar. 11, 1921. Serial No. 451,553. 1 Claim. (Cl. 240—46.)



In a device of the class described, the combination with a headlight, a light chamber having front and rear walls and open at its bottom, a portion of the rear wall being cut-away to fit the contour of the headlight, means for removably securing said light chamber to the headlight, a bull's-eye mounted in the front wall of said light chamber and disposed in the path of light rays from said headlight and adapted to deflect a portion of the light into the upper part of the light chamber, a bull's eye mounted in the rear wall of said light chamber and disposed above the headlight and adapted to utilize the light deflected to the upper part of said light chamber.

1,483,780. GILDING APPARATUS. TIBURCE CATALA, Englewood Cliffs, N. J. Filed June 11, 1923. Serial No. 644,770. 3 Claims. (Cl. 41—7.)



1. A gilding apparatus which includes an embossing roller having a design formed along its periphery, said roller loosely mounted for rotation, a heating means disposed beneath said roller, and a shield surrounding said heating means and extending up to a point substantially closed to the under surface of the roller whereby the heat of the burner will be confined.

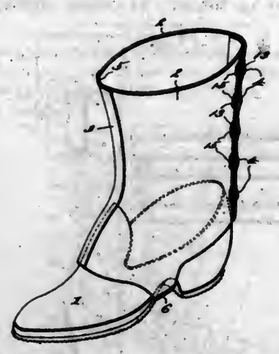
1,483,781. MOUNTING FOR FALSE TEETH. ARTHUR H. CHURCHILL, Yarmouth, Nova Scotia, Canada. Filed Jan. 31, 1920. Serial No. 355,470. 2 Claims. (Cl. 32—12.)



1. A false tooth mounting consisting of a backing, a facing having its masticating edge in contact with the backing for reinforcement thereby, a tenon on the backing above and out of contact with said edge, said facing being applicable to the backing and the tenon to the facing by movement substantially laterally of the backing to enable removal and replacement of the facing whereby bending of the backing for insertion or removal of the facing is avoided to enable the backing to be reinforced at its masticating edge, said facing having a mortise to receive said tenon, and the facing being unbroken about said mortise to avoid undue weakening of the facing particularly at said masticating edge.

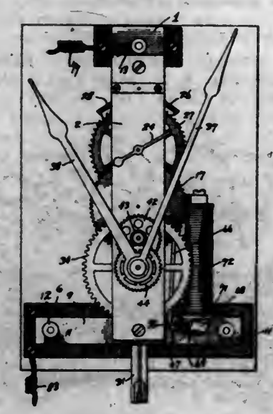
1,483,782. STORM GAITER. WILLIAM C. COLE, Canonsburg, Pa. Filed Jan. 29, 1923. Serial No. 615,659. 1 Claim. (Cl. 36—2.)

A gaiter comprising major sections of soft and pliable vulcanized rubber, said sections being arranged with their forward edges spaced apart, a central connecting strip of comparatively thin soft and pliable rubber connected to the outer sides of the forward edge portions of the major portions and flexibly connecting said sections together, fasteners carried by the major sections for detachably connecting in lapped relation the other edge



portions thereof, and means on the major sections for holding the same against upward movement relative to a shoe.

1,483,783. ELECTRIC CLOCK. ULYSSES L. COLLINS, San Diego, Calif. Filed Oct. 12, 1922. Serial No. 594,146. 4 Claims. (Cl. 58—41.)



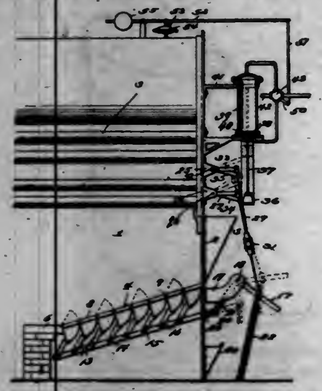
1. Means for actuating a clock, comprising a working mechanism, a shaft for driving the same having a lever arm thereon, a weight at the free end of the arm adapted to rotate the shaft and a spring cooperating with the weight disposed so as to decrease in tension as the weight gains in effectiveness due to the circular curve described by the same.

1,483,784. MOVABLE CAP FOR SMOKESTACKS. WILLIAM ALBERT COLLVER, Marshfield, Oreg. Filed June 6, 1923. Serial No. 643,759. 3 Claims. (Cl. 236—45.)



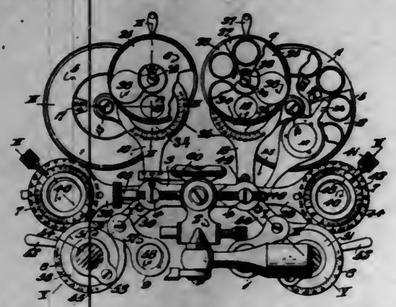
1. A structure of the class described including a smokestack, a cap over the smokestack and adapted to move vertically toward or from the top of the smokestack, and weighted levers fulcrumed between their ends, on which levers at an end of each said cap is mounted.

1,483,785. AUTOMATIC STOKER FOR FURNACES. JOHN T. CULLEN, Jr., Clinton, Iowa. Filed Sept. 26, 1921. Serial No. 503,307. 14 Claims. (Cl. 110—34.)



1. In combination with a source of heat supply, an automatic stoker comprising movable sets of grate bars, fluid pressure actuated means communicating with said source of heat supply for alternately moving said sets of bars, and means for returning said bars at once to normal position after said movement.

1,483,786. OPTICAL INSTRUMENT. HENRY L. DE ZENG, Moorestown, N. J. Filed Apr. 1, 1921. Serial No. 457,782. 24 Claims. (Cl. 88—22.)



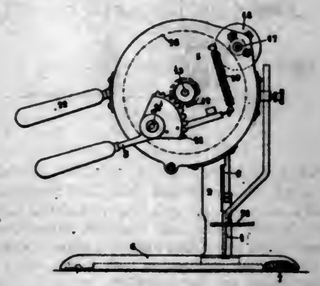
1. In an instrument of the character described, the combination of a testing unit support, a bracket pivotally mounted on the support, a plate having a central opening rotatably mounted on the bracket, means for rotating the plate, a cell plate pivotally mounted on the rotatable plate, a lens in the cell adapted to align with the opening in the plate, a second cell plate pivotally mounted on the bracket, and a displacing prism mounted in the cell adapted to align with the opening in the rotatable plate.

1,483,787. THERMOSTAT FOR ELECTRICAL FIRE-ALARM SYSTEMS. THOMAS STOKER DIXON, Christchurch, New Zealand, assignor to The Vigilant Automatic Fire Alarm Company Limited, Christchurch, New Zealand, a Company of New Zealand. Filed May 8, 1922. Serial No. 559,426. 4 Claims. (Cl. 200—137.)

1. In an electrical fire alarm thermostat having an arm operable by the heating of the thermostat, a flexible leaf upon the end of said arm adapted to rest against a closed circuit contact in order normally to complete a closed circuit and in which upon heating of such thermostat such leaf will leave such closed circuit contact and will touch open circuit contacts in order to complete an open circuit from alternative lines; means, characterized in this, that said closed circuit contact also forms one of the open circuit contacts, said other open circuit contact located upon the other side of the said leaf at such a position in relation to the said closed circuit contact as to form a fulcrum for the leaf whereby as the thermostat arm continues moving after the leaf touches the first contact the front end of the leaf will bend so as to again touch the second contact, substantially as described.

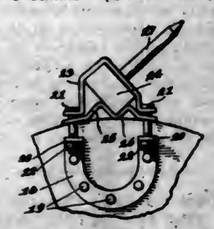


1,483,788. HAND MACHINE FOR CUTTING OUT SEVERAL THICKNESSES OF FABRIC. ETIENNE DUPLESSIS, Paris, France. Filed Feb. 20, 1922. Serial No. 538,034. 5 Claims. (Cl. 164—75.)



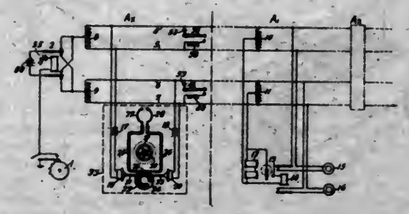
1. A hand machine for cutting out several thicknesses of fabric comprising: a horisontal supporting runner,—balls in the said runner projecting under the lower face of the latter,—a vertical guide post integral with the said runner,—a casing carried at the upper end of the said guide post,—a cutter in the said guide post and a slide rod operatively connected to the said cutter,—a crank-plate carried by the casing,—a crank-pin on said crank-plate,—a pitman attached to the said crank-pin and to the slide-rod,—means carried by the casing and arranged to transmit to the crank-plate a movement of rotation in one direction and spring means for rotating said plate in the other direction, and, consequently, an up and down movement to the cutter,—and means for guiding the machine during the cutting out operation.

1,483,789. ROTARY CULTIVATOR. WILLIAM A. EARHART, East Radford, Va. Filed Apr. 25, 1922. Serial No. 556,379. 3 Claims. (Cl. 97—215.)



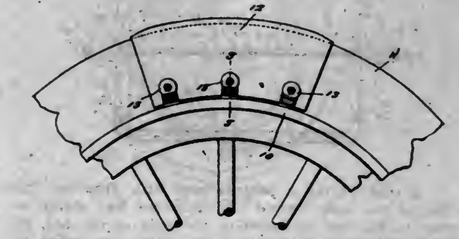
1. A combined roller and cultivator comprising a roller, brackets carried upon the ends of the roller, a plurality of bars adapted to extend across the periphery of the roller, socket members in the bars, and clamping means engaging the bars of the socket members and detachably mounted on said brackets for binding the bars on the socket members against the roller.

1,483,790. METHOD AND SYSTEM FOR DETECTING SOURCES OF VIBRATION. GEORGE D. EDWARDS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 15, 1919. Serial No. 323,973. 2 Claims. (Cl. 177—386.)



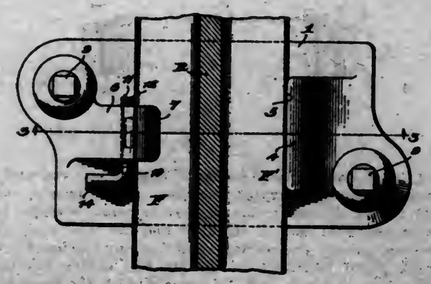
2. In a system for the location of a source of vibration, a plurality of pairs of vibration detectors located at the ends of base lines successive ones of which are at right angles to each other, a plurality of observing stations, and means for simultaneously subjecting the pairs to binaural observation from independent observing stations.

1,483,791. BLOW-OUT PATCH. HARLEY W. EDWARDS, Thetford Mines West, Quebec, Canada. Filed Mar. 26, 1923. Serial No. 627,723. 1 Claim. (Cl. 152—24.)



A pneumatic tire protector comprising a flexible protecting member, rim engaging members, plates secured to the opposite side edges of the protecting members, sleeves carried by the plates, sleeves also carried by the rim engaging members, pins extending through said sleeves and links connecting the adjacent ends of the pins to provide a flexible connection between the tire protector and rim engaging member.

1,483,792. ANCHOR TIE PLATE. JOHN M. R. FAIRBAIRN, Montreal, Quebec, Canada. Filed Sept. 22, 1922. Serial No. 589,826. 8 Claims. (Cl. 238—304.)



5. The combination of a tie plate having an inclining and crowned rail seat, an abutment shoulder provided at one side of the seat, an abutment member located at the opposite side of the said seat, and an anti-creeping means interposed between one of said abutments and one rail flange.

1,483,793. CLOTHES PROTECTOR. WILLIAM S. FERDON, Omaha, Nebr. Filed Apr. 17, 1922. Serial No. 553,393. 5 Claims. (Cl. 206—7.)



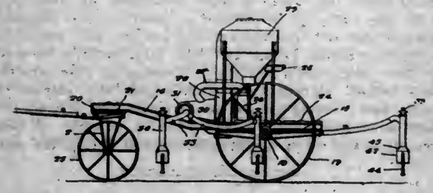
1. A clothes protector comprising a receptacle having an upper open end, depending U-shaped straps positioned in the receptacle and having their upwardly extending arms secured to opposed walls of the receptacle adjacent the upper open end of the receptacle and movable towards and away from each other during opening and closing of the receptacle whereby when the receptacle is open a clothes hanger may be placed in the receptacle and supported by said straps.

1,483,794. CHANGEABLE PRICE TAG. JOHN L. GARLAND, Youngstown, Ohio. Filed Nov. 6, 1922, Serial No. 599,340. Renewed Dec. 10, 1923. 1 Claim. (Cl. 40—5.)



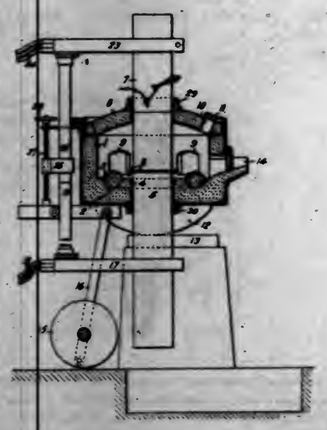
A changeable tag comprising a body of resilient sheet metal having an opening and rearwardly directed resilient bracket portions at opposite sides of said opening, and cubes interposed between and held in side by side relation by said bracket portions and having numerals on their sides.

1,483,795. BOLL-WEEVIL EXTERMINATOR. WILLIAM H. GIBSON, ALLAN M. GIBSON, and GEORGE S. KLUTTZ, Concord, N. C. Filed July 12, 1922. Serial No. 574,531. 5 Claims. (Cl. 43—140.)



3. In a vacuum type insect exterminator, a nozzle consisting of a cylindrical shell having its lower end carrying a flaring hood, a valve located within the cylinder at its juncture with the hood and having an operating stem extending axially through and beyond the upper end of the cylinder.

1,483,796. MELTING OR SMELTING LOW VOLATILE METALS. JAMES H. GRAY, New York, N. Y. Filed Aug. 20, 1920. Serial No. 404,727. 12 Claims. (Cl. 204—64.)



1. A furnace for low volatile charges comprising electrodes having their opposed faces very much larger than the arc and very close together so as to cause the heat of the arc to escape transversely from the space between them, and an annular hearth for the charge located around the electrodes, said furnace being practically closed closed against the admission of air.

1,483,797. DYEING AND PRINTING ACETYL SILK AND MATERIALS CONTAINING IT. ARTHUR G. GREEN and KENNETH H. SAUNDERS, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Mar. 20, 1923. Serial No. 626,425. 11 Claims. (Cl. 8—5.)

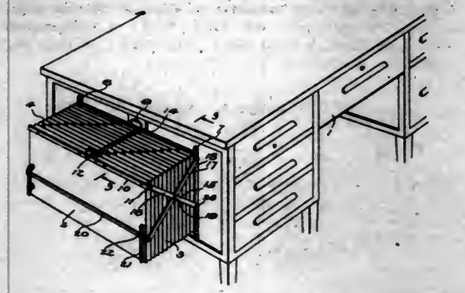
1. In the dyeing, including printing, of acetyl cellulose, the process which comprises rendering an amido-azo dye soluble in water by a treatment of such dye with an aldehyde and a bisulfite and breaking up the new soluble combination so formed in the presence of the acetyl cellulose to be dyed.

1,483,798. DYE AND PROCESS OF MAKING THE SAME. ARTHUR GEORGE GREEN and KENNETH HERBERT SAUNDERS, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed July 7, 1923. Serial No. 650,154. 8 Claims. (Cl. 260—96.)

8. The new dyestuff particularly adapted for dyeing acetyl cellulose, being an amido-azo dye not containing more than two diazo groups solubilized by association with one amino group thereof of aldehyde and bisulphite groups and still containing said groups, and containing a further amino group, said dye being soluble in water to form solutions which slowly decompose when acidified and heated, setting free formaldehyde and sulphur dioxide and yielding an amido-azo compound derived from para-phenylene-diamine and cresidine capable of being readily taken up by acetyl cellulose and dyeing the same.

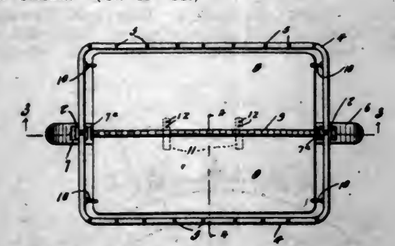
1,483,799. FILE. WILLIAM HALL, New York, N. Y. Filed Nov. 21, 1922. Serial No. 602,363. 6 Claims. (Cl. 129—15.)

6. In a file of the character described, a substantially rectangular body formed with a plurality of compartments, a vertical bracket connected with said body near each end for supporting the same, and a pair of cross bracing bars at each end of the body connected respectively with said brackets and with the front part of the body for



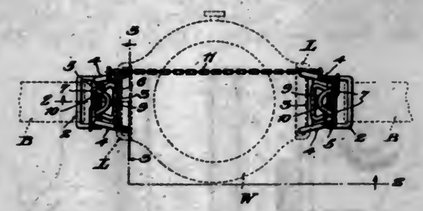
normally holding the body distended and for causing the body to collapse in a horizontal direction when supported from said brackets.

1,483,800. TRAP. WILLIAM JOSEPH HAMILTON, Chokoloskee, Fla. Filed Dec. 14, 1922. Serial No. 606,912. 2 Claims. (Cl. 43—88.)



1. A trap having a bar provided with upturned lugs adjacent the ends thereof, an operating leaf spring secured to the bar intermediate the ends of the bar, coacting jaws pivoted to said lugs, trip plates hinged together and surrounded and carried by the jaws, and said spring being slotted adjacent opposite ends to normally engage said lugs and to receive the adjacent corner portions of the trip plate when the trap is sprung.

1,483,801. CLASP. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed June 21, 1923. Serial No. 646,910. 4 Claims. (Cl. 24—235.)



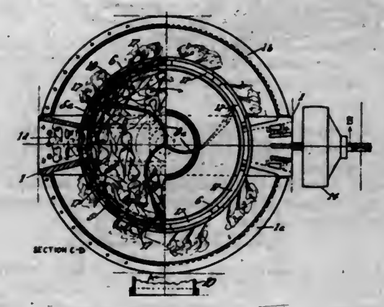
1. In a clasp, a body having a loop on one end and a hook having an elongated cross-bar on its opposite end, and having divergent side supporting arms, bearings between the inner ends of the arms and the loop, a pin extending through the bearings, and a spring tensioned bell-crank guard journaled on the pin and having loop-like arms, one of which arms is engaged with the cross bar of the hook and the other arm of which forms a finger engaging part, both of the bell-crank arms being disposed between the arms of the hook.

1,483,802. BRACELET CLASP. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed July 28, 1923. Serial No. 654,440. 3 Claims. (Cl. 24—191.)



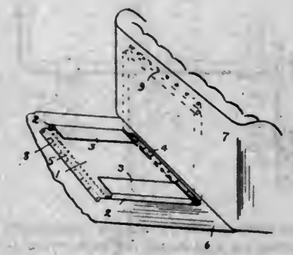
3. In a bracelet, a member receiving one end of the bracelet, a pressure plate carried by the member, a clamping member pivoted to the first member, a member connected to the opposite end of the bracelet, and means to pivotally connect the clamping member and the said member at the opposite end of the bracelet to allow said last named members to lie at an angle relative to each other when in operative position.

1,483,803. BEET CUTTER. HERMAN LOUIS HARTBURG, Denver, Colo. Filed Mar. 17, 1922. Serial No. 544,617. 7 Claims. (Cl. 146—93.)



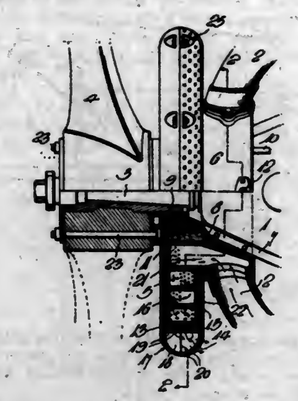
1. In a beet cutter, the combination of stationary slicing elements, a rotating element having a centrally located inlet passage diverging into a plurality of spiral peripheral outlet pasages which match with the stationary slicing elements, and blank elements in position to be substituted for the slicing elements.

1,483,804. WALL POCKET. ARTHUR A. HARTOGH, Duluth, Minn., assignor of one-half to James W. Beaudin, Duluth, Minn. Filed Feb. 6, 1923. Serial No. 617,201. 2 Claims. (Cl. 224—29.)



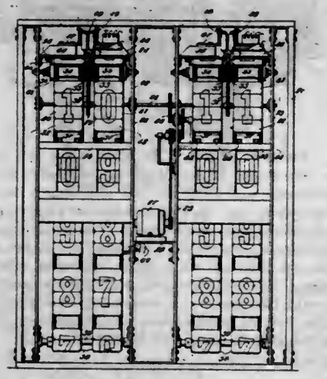
2. The combination with a back upright wall of a vehicle seat of a pocket comprising a major body portion of thin suitable material having inwardly foldable ends for engaging the contents of the pocket, and means for holding the longitudinal edges of the pocket either permanently or removably against the upright wall.

1,483,805. ENGINE MUFFLER. LAURENCE R. HEATH, Quantico, Va., assignor of forty-nine per cent to Joseph Labbee, jr., Quantico, Va. Filed Apr. 17, 1922. Serial No. 553,775. 10 Claims. (Cl. 137—160.)



1. The combination with an aircraft engine having a forwardly extending shaft and a propeller for the aircraft thereon; of a muffler about the shaft interposed between said engine and propeller and comprising a non-rotatable exhaust-receiving section and an exhaust-discharging section rotatable with the aircraft propeller.

1,483,806. ELECTRICAL SCOREBOARD. CECIL A. HENDRIX, Flora, Ind. Filed Oct. 13, 1922. Serial No. 594,354. 9 Claims. (Cl. 235—92.)

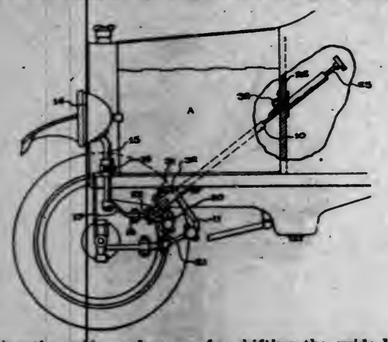


1. A score indicator comprising a casing formed with sight openings, a pair of endless indicator members mounted within the casing and traveling behind said sight openings, drive members for said endless members carrying ratchets, elements about which said endless members are trained carrying pawls pivoted thereon and co-operating with the adjacent ratchets, and electromagnetically operated trip mechanism associated with each pawl whereby to control the position thereof.

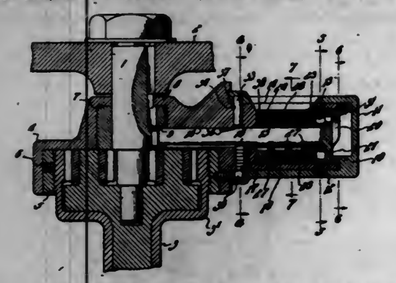
1,483,807. DIRIGIBLE HEADLIGHT. JOHN W. HOSMER and BENJAMIN O. GUEST, Crossville, Ala. Filed Dec. 9, 1922. Serial No. 605,925. 1 Claim. (Cl. 240—62.)

The combination with the lamp posts of a motor operated vehicle, of means for simultaneously turning said posts incident to the steering of the vehicle, said means including a clutch member slidable on the steer-

ing post and movable therewith when in one position thereon, a channelled shaped member partly surrounding the steering post and constituting a guide from which the clutch member operates, means for pivotally supporting the guide, and means for shifting the guide longitudinally of the post, and positioning the clutch member to allow the vehicle to be steered without imparting movement to the lamps.

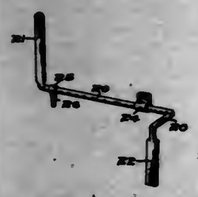


1,483,808. STEERING-WHEEL LOCK. LOUIS J. HUGUES, Topeka, Kans. Filed Jan. 29, 1923. Serial No. 615,655. 4 Claims. (Cl. 70—129.)



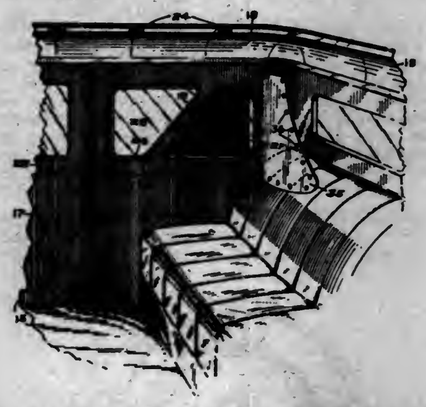
1. A steering wheel lock comprising a housing, a tubular extension, a locking bolt slidably mounted in the extension and part of the housing, a keeper part connected with the steering wheel for receiving the end of the locking bolt, a spring for normally holding the locking bolt in retracted position, a barrel rotatably mounted on the extension and having a part thereon for pushing the bolt inwardly against the action of the spring, said bolt having a recess for receiving said part when the bolt is retracted and combination means for holding the bolt in projected position.

1,483,809. CONNECTER FOR TWO-PART AUTOMOBILE DOORS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation. Filed Dec. 30, 1921. Serial No. 525,927. 5 Claims. (Cl. 296—45.)



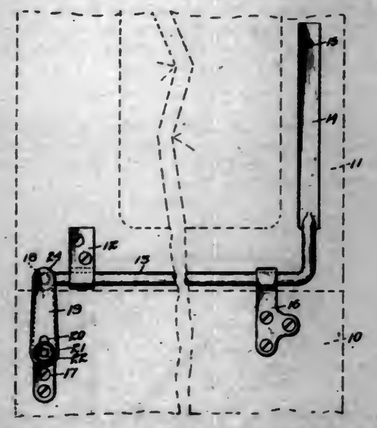
4. In a door for automobiles, a permanent lower door section, a removable upper door section, and a connecter therefor comprising a resilient rod bent between its ends to form angularly related parts lying in the same plane and having its ends bent to extend respectively up and down approximately perpendicularly to said plane, substantially as set forth.

1,483,810. TOP FOR MOTOR VEHICLES. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation. Filed June 9, 1922. Serial No. 566,971. 5 Claims. (Cl. 296—45.)



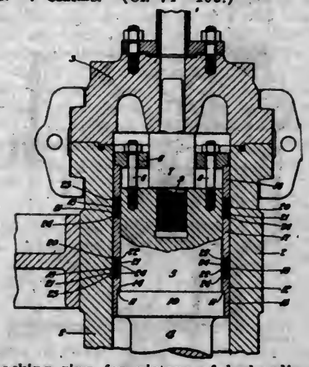
1. An automobile top including a deck having a depending section and the section having in each side a major opening divided to form a pair of minor openings of equal areas, so as to admit a window removed from one minor opening to be inserted back of the window in the remaining opening.

1,483,811. CONNECTER FOR TWO-PART AUTOMOBILE DOORS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed Dec. 9, 1922. Serial No. 605,968. 3 Claims. (Cl. 296—44.)



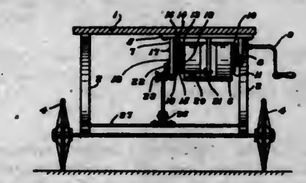
2. A door connecter for vehicles comprising a pair of arms extending up and down for connection to relatively movable door sections, and a body portion under torsional strain when the door is closed, said body having a threaded end directed toward the interior of the vehicle body and one of said arms having threaded engagement with said end whereby the distance of the arm from the body may be adjustably varied, substantially as set forth.

1,483,812. PISTON PACKING. EDWIN A. ISAKSON, McKeesport, Pa. Filed June 12, 1923. Serial No. 644,875. 7 Claims. (Cl. 74—109.)



3. A packing ring for pistons of hydraulic cylinders, comprising a non-elastic soft metal cup, and a hard fiber ring within said cup, said fiber ring being characterized by being expansible when moistened and being adapted when moistened to expand said cup.

1,483,813. ROCKING MEANS FOR BABY CARRIAGES. HARLIE SEREVA JACKSON, Philadelphia, Pa. Filed Aug. 12, 1922. Serial No. 581,550. 3 Claims. (Cl. 180—1.)



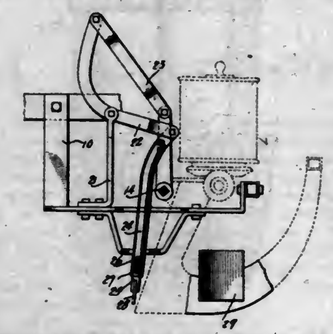
1. In a device of the class described, the combination of a baby carriage body, a running gear frame, a cross member secured thereto, a spring motor suspended from the underside of said carriage body, a disc geared to said motor, a crank pin disposed in said disc, a connecting rod pivotally mounted on said cross member, connecting with said crank pin, for movement of said carriage body upwardly and downwardly.

1,483,814. ELECTRIC CLOCK. MAXIMILIAN F JURUICK, Allentown, Pa. Filed Apr. 18, 1922. Serial No. 554,429. 1 Claim. (Cl. 58—30.)



In an electrically operated clock, a drive shaft, means operated by the drive shaft for operating the hands o the clock, a pendulum, a ratchet mechanism connectin the pendulum and drive shaft, an upwardly extending resilient arm carried by the pendulum, an arcuate-shaped armature carried at the upper end of the arm, a magnet included in circuit with a source of current, means controlled by the operation of the drive shaft for intermittently closing the circuit to energize the magnet and attract the armature and a dog also carried by the resilient arm and engaging the ratchet mechanism, whereby power will be intermittently applied to the drive shaft.

1,483,815. PLANTING AND MARKING MACHINE. OTTO HENRY KOHLHAAS, Calumet, Mich. Filed Dec. 17, 1921. Serial No. 523,007. 1 Claim. (Cl. 111—30.)



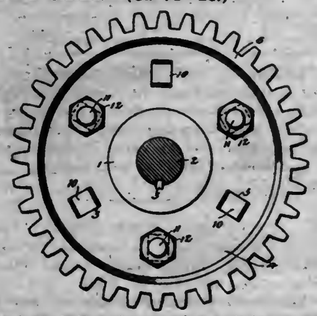
A planting and marking machine including a frame, a pivoted member supported by said frame, an oscillatory rod, interconnected links, one of which is secured to said rod and the other to said pivoted member at one end thereof, and actuated by said rod, and a marking appliance secured to the opposite end of said pivoted member.

1,483,816. WASHTUB. MARIE KYLAR, Camden, N. J. Filed Oct. 7, 1922. Serial No. 593,048. 2 Claims. (Cl. 68—31.)



1. A device of the class described, comprising a metallic tub and a receptacle in said tub formed of a single piece of metal having its bottom and side edges attached in water-tight relation to the bottom and sides of the tub, and formed with slide-ways adapted to receive the side edges of a washboard.

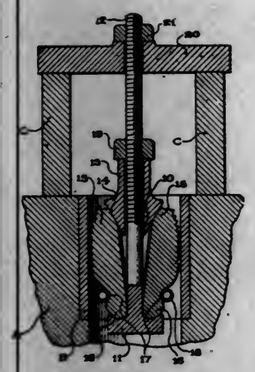
1,483,817. GEAR WHEEL. ADOLPHUS HENRY LANDRY, Townsend, Mass. Filed Oct. 2, 1923. Serial No. 666,149. 2 Claims. (Cl. 74—28.)



1. A device of the character described, comprising a hub and a gear, webs on said hub and gear located side by side, one of said webs having a plurality of openings

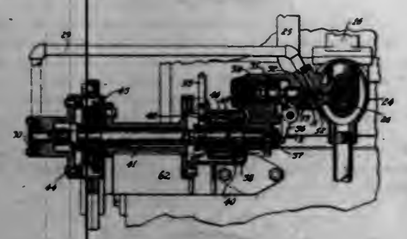
therein, lugs on the other of said webs adapted to be positioned in any of said openings, and means of clamping the webs together.

1,483,818. BUSHING EXTRACTOR. WILLIAM E. LLOYD, Lorain, Ohio. Filed Aug. 31, 1922. Serial No. 585,469. 5 Claims. (Cl. 29—88.2.)



1. A tool of the character described comprising an elongated shank terminating at one end in a head and threaded throughout its major portion, a plurality of jaws pivoted on said shank and having toothed outer faces, a sleeve slidable along the shank and terminating at one end in a conical head engaging between the free ends of the jaws, a nut threaded onto the shank and engaging said sleeve for effecting longitudinal movement thereof to expand the jaws, and screw means for moving the shank lengthwise.

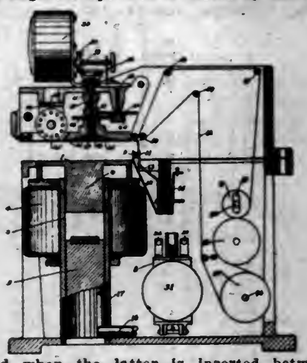
1,483,819. LIQUID-FUEL VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. ROBERT F. LONABERGER and CHARLES F. SANDS, Reading, Pa., assignor to Lloyd A. Unger, trustee. Filed Apr. 13, 1922 Serial No. 552,414. 17 Claims. (Cl. 123—133.)



1. An attachment for internal combustion engines comprising a waterjacketed fuel vaporizer and mixing tube having an air control valve, a fuel pump and fuel control valve and operating means for intermittently actuating said fuel control valve in synchronism with the inlet and exhaust valves of said engine.

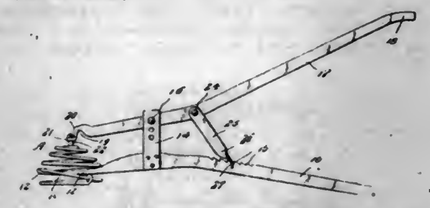
1,483,820. AUTOMATIC TIME CLOCK. HARRY G. LUNDGREN, Oakland, Calif., assignor to Automatic Electrical Machine Co., Inc., Oakland, Calif. Filed May 8, 1922. Serial No. 559,306. 6 Claims. (Cl. 234—53.5.)

6. An automatic stamping device of the character described comprising a downwardly facing stationary dial, an electromagnet mounted underneath the dial having a plunger associated therewith for forcing an object to be stamped against the dial and a switch controlling the electro-magnet adapted to be closed by the object to



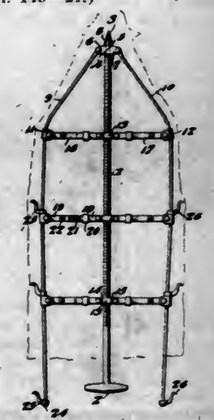
be stamped when the latter is inserted between the plunger and the dial.

1,483,821. SPRING REMOVING AND APPLYING TOOL. HUBBARD EARNEST MAPLES, Jackson, Tenn. Filed July 12, 1922. Serial No. 574,577. 3 Claims. (Cl. 29—87.1.)



1. A tool of the character described comprising an elongated lever having one end terminating in a nose formed with a lip, a second lever pivotally connected with said first named lever and terminating in a neck, a head swiveled on said neck and disposable within the smallest convolution of a tapered spiral spring, said nose being insertable between two of the larger convolutions, and a pawl and ratchet for locking said levers against movement.

1,483,822. HIDE STRETCHER. ANDREW MARKER, Boise, Idaho. Filed Apr. 19, 1923. Serial No. 633,263. 2 Claims. (Cl. 149—21.)



2. A hide stretcher comprising a central rod having a handle at one end and provided with a bearing at the remaining end, said rod being screw-threaded throughout

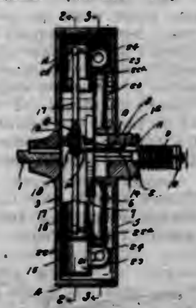
the greater portion of its length, a bearing yoke mounted and held upon the bearing end of the rod, side bows of resilient material connected pivotally with said bearing yoke, bearing clips mounted on said side bows at spaced intervals, threaded sleeves turned onto the central rod and spaced substantially to correspond with the spacing of the bearing clips, adjustable spreader bars connected from said bearing clips to the threaded sleeves, said central rod being sharpened at its bearing end to hold within the head portion of a pelt, and hooks mounted on the side bows to catch within the pelt at its edges to hold the pelt against slipping or rolling while being stretched.

1,483,823. COMBINED THIMBLE AND THREAD CUTTER. QUEENE ELEANOR MARRS, Killeen, Tex. Filed Aug. 23, 1922. Serial No. 583,749. 1 Claim. (Cl 223—56.)



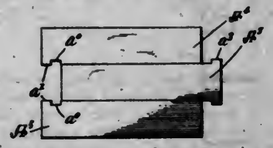
As a new article of manufacture, a thimble having depression in the end thereof forming a slot, the depression flaring toward the bottom thereby presenting a narrow entrance to the slot, and a cutter in said slot transverse to the latter.

1,483,824. FLUID TRANSMISSION. FRANK C. MARTIN, Plattsmouth, Nebr. Filed Aug. 3, 1921. Serial No. 489,525. 2 Claims. (Cl. 192—60.)



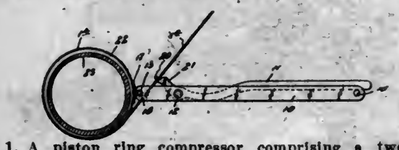
1. A fluid transmission including a driving means carrying cylinders, pistons operable in said cylinders, a driven shaft, a plate carried by said driven shaft, a shaft journaled in said plate having a crank connected with said pistons, a collar slidable relatively to said shafts, said collar having an opening receiving said second shaft, and a spiral groove and stud connection between said second shaft and collar.

1,483,825. SHEET PILING. ALBERT ALLEN MARTINEZ, New Orleans, La. Filed May 11, 1923. Serial No. 638,280. 3 Claims. (Cl. 61—58.).



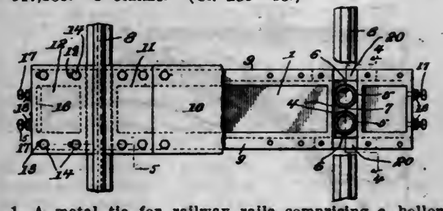
3. A wall of sheet piling comprising three parallel layers of vertically disposed interlocking units, each outer unit being made of a single stick of timber provided with a guide groove on the inside near the edge thereof, and parallel to said edge and each central unit being also made of a single stick of timber provided with laterally projecting guide ribs integral therewith near one edge thereof, parallel to said edge and adapted to engage in said grooves in the outer units, substantially as described.

1,483,826. TOOL FOR COMPRESSING PISTON RINGS. CARL J. MATHISON, Belmont, Mont. Filed July 22, 1922. Serial No. 576,832. 2 Claims. (Cl. 29—86.4.)



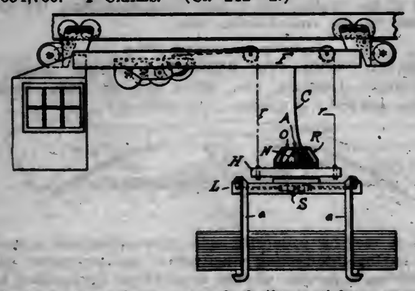
1. A piston ring compressor comprising a two-part handle, the respective parts of said handle being pivotally connected together, a flexible strip detachably secured to the adjacent end of one part of the handle and adapted to be extended about the ring, said strip having a longitudinal series of openings, the adjacent extremity of the other part of the handle being curved, and a curved upwardly extending stud projecting from the curved extremity and adapted to be received by said openings to compress said ring when said strip is tightened about the latter as described.

1,483,827. STEEL CROSSTIE. WILLIAM E. MILLER, Gormania, W. Va. Filed June 22, 1923. Serial No. 647,185. 4 Claims. (Cl. 235—48.)



1. A metal tie for railway rails comprising a hollow body having an open top, transverse partitions therein adjacent the ends thereof, each of which being formed with spaced compartments, cushioning springs in said compartments, said springs designed to have rails rest thereon to space the same out of contact with the tie body, plates closing the open top of the body, and certain of said plates engaging with the base and webs of the rails for sustaining the rails on the tie.

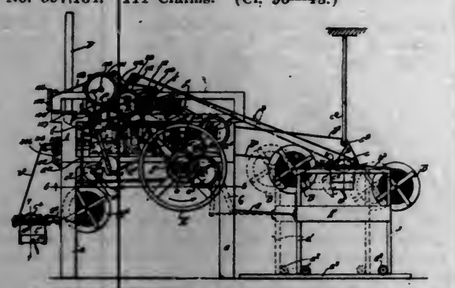
1,483,828. RETRIEVER FOR ROPES AND LIKE ARTICLES. WILL K. MONROE, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, a Corporation. Filed July 30, 1923. Serial No. 654,760. 4 Claims. (Cl. 242—1.)



1. A retriever for ropes and similar articles, comprising the combination of an upright receptacle that converges from its base to a central opening at the top,

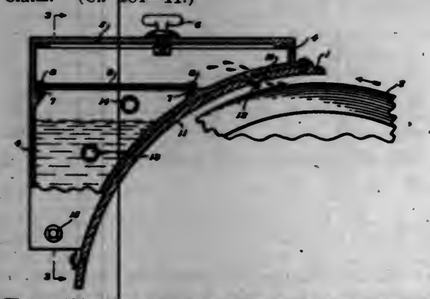
and an upright divisional member within and secured to the same, whose sides converge toward the center point of said opening, substantially as shown and described.

1,483,829. BOX-MAKING MACHINE. ARTHUR T. MOORE, Batavia, N. Y. Filed Oct. 26, 1922. Serial No. 597,134. 111 Claims. (Cl. 93—43.)



1. In a box making machine, the combination of means for making body portions and end portions having substantially cylindrical flanges, and means for assembling said body portions and said end portions by means of a telescopic engagement of said flanges with said body portions.

1,483,830. OIL FILTER. NORMAN Y. MOORE, Delanco, N. J. Filed July 17, 1922. Serial No. 575,696. 1 Claim. (Cl. 184—11.)



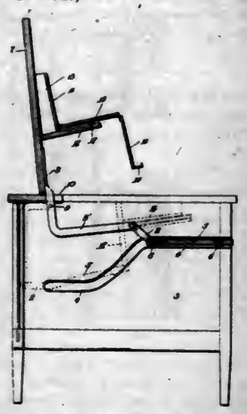
The combination with an automobile engine and transmission, of a container secured to the transmission casing adjacent to the top thereof, said transmission case having an opening, said casing also provided with an opening communicating with the last mentioned opening, a lip on the casing entering the case, said container having a partly open top and a closure therefor, a filtering screen supported on brackets below the lip, a normally closed outlet for the casing at the bottom thereof, a pipe connection in the container below the screen, and the front end of the engine, and a pipe connection from the container to the transmission case.

1,483,831. TOOL FOR REMOVING TIRES. JOHN J. O'BRIEN, Leesburg, Fla. Filed Nov. 13, 1920. Serial No. 423,880. 5 Claims. (Cl. 157—1.)



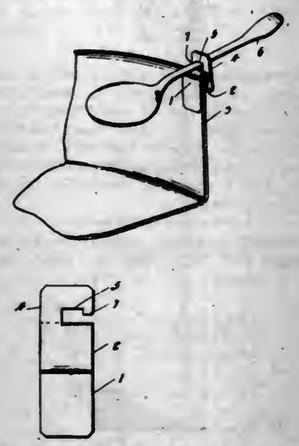
1. A tool for collapsing split rims comprising a member having intersecting longitudinal and transverse perforations, a portion of said longitudinal perforation being threaded, a shank threaded at its inner end for engagement with the said threaded portion of the longitudinal perforation and having its outer end formed with a notched portion for engagement with a rim, a second shank carried by the said member having its outer end formed similar to that of the first said shank and a handle adapted to be inserted in the transverse perforation, said handle adapted to serve as an abutment for the said second shank, substantially as set forth.

1,483,832. DESK. LAURENCE J. OSTDIEK, Ottumwa, Iowa. Filed Apr. 9, 1921. Serial No. 459,986. 1 Claim. (Cl. 45—52.)



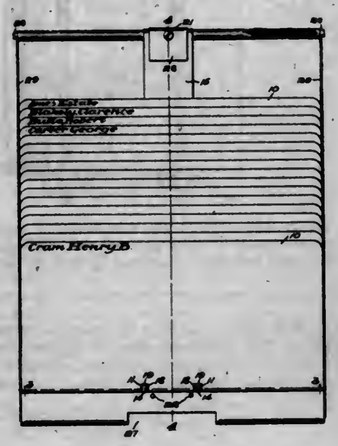
The combination with a typewriter desk including a cover and a typewriter base board having means of connection with said cover so as to operate simultaneously therewith upon movement of said cover, of a board extending inwardly at an inclination from the inner side of the cover and being disposed in such a manner so as to engage the base board when the cover is in closed position, strips rising from the inclined board and being arranged with relation to the inner side of the cover so as to form pockets adapted to receive stationary, a strip hingedly secured to the pocket strips, a ledge traversing the cover board in advance of the pocket strip and being adapted to elevate the hinged strip from the cover board and a holder leaf hingedly secured to the hinged strip as and for the purpose specified.

1,483,833. SANITARY SPOON AND LADLE HOLDER. CHARLES W. POTTER, Rising Sun, Ind. Filed Feb. 8, 1923. Serial No. 617,729. 1 Claim. (Cl. 65—65.)



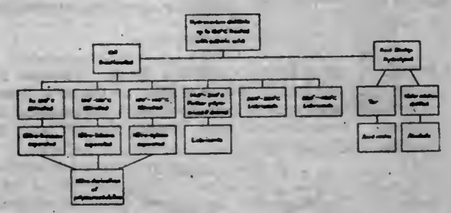
A holder of the class described in a single blank comprising a spring clip, a retainer returned from and disposed outwardly from and projecting above the clip, said retainer being provided with a lateral receiving slot open at a side edge thereof adjacent the top of the clip, and the retainer having a depending stop at the entrance of the slot to prevent lateral displacement of the implement when in engagement with the holder.

1,483,834. FILE. JOHN T. QUIGLEY, Boston, Mass., assignor to Costmeter Company, Boston, Mass., a Corporation of Massachusetts. Filed July 24, 1920. Serial No. 398,828. 4 Claims. (Cl. 129—16.)



1. In a file, the combination of a series of overlapping sheets provided with perforations, a series of sheet-carriers maintaining the minimum overlap of said sheets, each sheet-carrier comprising two parts, one extending through said perforations and secured to the other at two points, and a support for said sheet-carriers extending between the two parts of each intermediate said perforations.

1,483,835. PREPARING CHEMICAL PRODUCTS FROM OLEFINES AND OLEFINE-CONTAINING MIXTURES. ALEXANDER S. RAMAGE, Detroit, Mich., assignor to Bostaph Engineering Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 7, 1918. Serial No. 221,015. 4 Claims. (Cl. 260—170.)



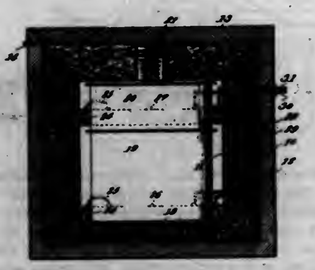
1. The process of treating hydrocarbon oils consisting essentially of olefine and aromatic hydrocarbons, consisting in reacting thereon with sulfuric acid in proportion sufficient to transform substantially all of the olefines, into polymerized products and hydrolyzable sulfuric acid derivatives separating the treated oil from the acid sludge, and fractionally distilling the aromatic hydrocarbons from the higher-boiling polymerized olefines.

1,483,836. ANTITHEFT AUTOMOBILE LICENSE AND OWNER'S TITLE. JOSEPH ODILON REMILLARD, Montreal, Quebec, Canada, assignor, by direct and mesne assignments, of twelve per cent to Alphonsus Gorman and fifty per cent to John Alexander Hugh Cameron, trustee, both of Montreal, Quebec, Canada. Filed May 6, 1922, Serial No. 559,092. Renewed June 16, 1923. 4 Claims. (Cl. 40—132.)



1. The combination, in the glass of an automobile lamp, of a rectangular-shaped substance, containing the official license number of an automobile, for use as a duplicate license and as an anti-theft automobile license and owner's title, with a bend at one end of said rectangular-shaped substance, for use in removing same from the glass of an automobile lamp, and a rectangular depression on the inside of said glass with a groove along both sides and one end for keeping said rectangular-shaped substance in place and an aperture at the other end for inserting and removing said rectangular-shaped substance, all substantially as set forth.

1,483,837. ELECTRIC COOKER. ELIZABETH SCOTT, Westmoreland, Kans. Filed Sept. 11, 1922. Serial No. 587,479. 3 Claims. (Cl. 219—35.)

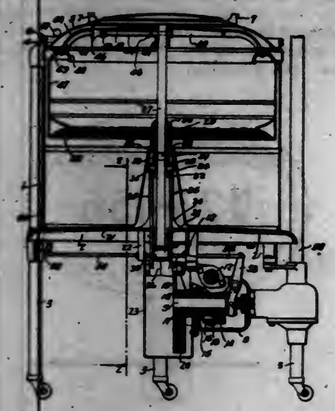


1. An electric cooker comprising a double walled receptacle having a removable cover, a pair of ring like electric heating elements within the receptacle, and a container located within the confines of said heating elements, each of said heating elements consisting of a plurality of arcuate members of insulating material having a coil of resistance wire embedded therein, all the coils of the sections being connected by bonds.

1,483,838. WASHING MACHINE. PETER F. SCHNEIDER and RAYMOND J. SCHNEIDER, Detroit, Mich. Filed Apr. 23, 1921. Serial No. 464,031. 12 Claims. (Cl. 68—15.)

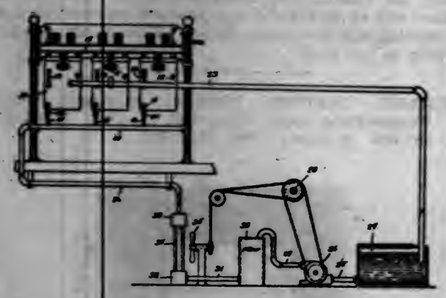
10. In a washing machine, a tub having a recess formed centrally of the bottom thereof extending upwardly into

the tub and closed thereto, a rod vertically reciprocable centrally of the recess, there being a bearing for the rod



at the upper end of the wall of the recess, and a driving means for the rod, connection thereof with the rod playing in the recess.

1,483,839. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Jr., Brookline, Mass. Filed May 29, 1919. Serial No. 300,557. 27 Claims. (Cl. 200—150.)

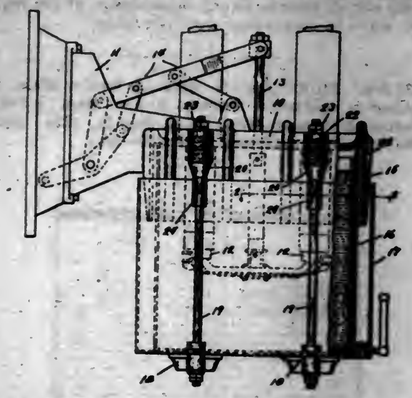


1. An electric switching apparatus comprising an electric switch having an oil receptacle adapted to contain oil in which switch components are immersed, and a circulatory and conditioning system for the oil including means to cool the oil, and means to forcibly circulate the oil through said cooling means and subsequently return it to the receptacle.

27. An electric switch comprising a switch frame, a receptacle disposed beneath said frame adapted to contain oil normally under atmospheric pressure, switch members immersed in the oil in said receptacle, said switch having a passage through which oil may escape from the receptacle, and means to add oil to the receptacle to keep constant the oil level therein.

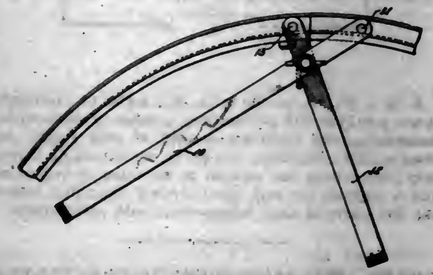
1,483,840. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Brookline, Mass. Filed June 3, 1920. Serial No. 386,347. 3 Claims. (Cl. 200—150.)

1. An electric switch comprising a switch frame and an oil receptacle movably supported relative to said frame; said frame having a peripheral apron depending therefrom surrounding and peripherally spaced from the upper portion of said oil receptacle and having a plurality of supporting projections extended from its inner



face to engage and support the side walls of said oil receptacle and provide a vent passage between said receptacle and frame in moved positions of the oil receptacle.

1,483,841. RIM TOOL. DALLAS C. CARROLL, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 21, 1917. Serial No. 192,490. 4 Claims. (Cl. 157—1.)



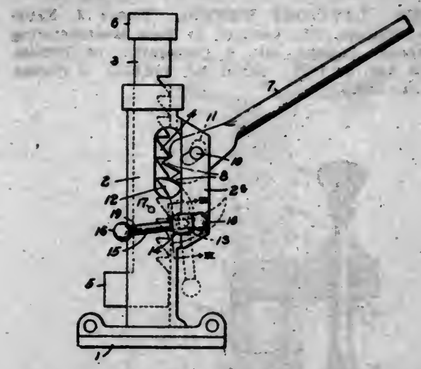
1. A rim contracting tool comprising a lever, means carried by said lever to engage both sides of a rim end, so as to move it in either direction endwise, a second lever, means carried by said second lever adapted to engage both sides of the other rim end, so as to move it in either direction endwise, and means passing through said levers intermediate their ends, forming a pivotal connection between them and providing operating extensions for each lever.

1,483,842. ARTIFICIAL CASTING BAIT. THOMAS J. CARTER, Indianapolis, Ind., assignor to Carter's Best-ever Bait Company, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 3, 1919. Serial No. 287,207. 6 Claims. (Cl. 43—46.)



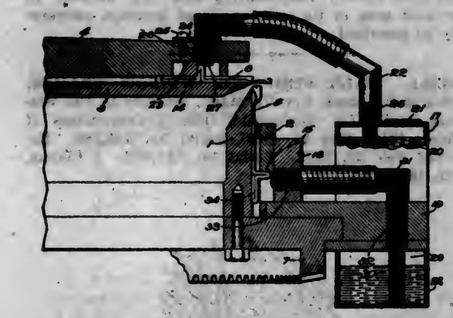
2. An artificial casting bait, comprising a body portion having a head formed with spaced upper and lower jaws separated at the sides, said lower jaw protruding forward beyond the upper jaw and being inclined forward and downward.

1,483,843. LIFTING JACK. WILLIAM J. COSTELLO, Penn Township, Allegheny County, Pa., assignor of one-half to Joseph E. Kats, Verona, Pa. Filed Sept. 9, 1922. Serial No. 587,062. 3 Claims. (Cl. 254—109.)



1. A lifting jack having in combination a base, a hollow standard having a slot in one side, a toothed lifting bar arranged in the standard, a lever having teeth and longitudinally movable on its pivotal support to effect the engagement and disengagement of the teeth on the lever with the teeth on the lifting bar, a holding pawl adapted to engage the lifting bar and a weighted member movable relative to the pawl and adapted when in one position to move the pawl in engagement with the lifting bar and in its other position to move the pawl out of engagement with the lifting bar.

1,483,844. MECHANISM FOR LUBRICATING THE NEEDLES AND NEEDLE CAM TRACKS OF KNITTING MACHINES. WILLIAM P. DRUMMELLER, Springfield, Mass., assignor to William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1922. Serial No. 600,589. 18 Claims. (Cl. 66—22.)



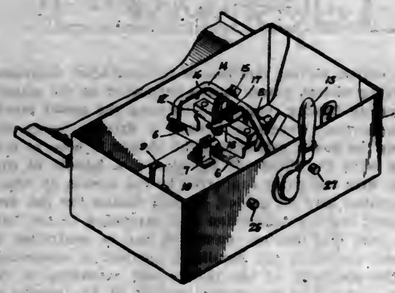
1. Knitting mechanism having independently movable needles provided with butts and means to supply lubricant to the said needle butts, said means including a lubricant-carrying member in contact with said butts.

1,483,845. ELECTRIC SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Jan. 3, 1922. Serial No. 526,565. 10 Claims. (Cl. 200—74.)

1. In an electric switch, fixed and movable contacts, means for moving said movable contact, a pivoted latch bar coacting with said means, a spring at all times urging said latch bar in the same direction to hold the movable contact in closed circuit position until the opening movement of the movable contact is initiated, and to then move the movable contact to open circuit position with a snap action.



1,483,846. QUICK-BREAK SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed May 19, 1923. Serial No. 640,093. 12 Claims. (Cl. 200—73.)



1. In a quick break switch, a double throw switch member, two movable arms carried thereby, abutments therefor, yielding means for holding said arms in the normal position of rest, and a crank adapted to engage either of said arms to operate said switch member.

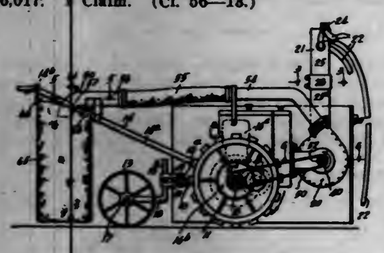
1,483,847. HAND GRIP FOR GOLF CLUBS, ETC. WILLIAM G. HALKETT, Philadelphia, Pa.; Elizabeth M. Halkett, Adelaide H. Kershaw, Walter A. Halkett, Jos. Spencer Halkett, and The Corn Exchange National Bank administrators of the said William G. Halkett, deceased. Filed Mar. 2, 1921. Serial No. 449,043. 2 Claims. (Cl. 46—4.)

1. In a handle, the combination of a helically wound cord encircling the handle and attached at each end

thereto; with a strip of leather helically wrapped around the handle and cord in a direction opposite to the winding of the cord, said leather strip being attached at each end to the handle.



1,483,848. COTTON PICKER. KEDILAN F. HAND and FRANK T. CAVIN, Los Angeles, Calif.; said Hand assignor to said Cavin. Filed Oct. 11, 1920. Serial No. 416,017. 1 Claim. (Cl. 56—13.)



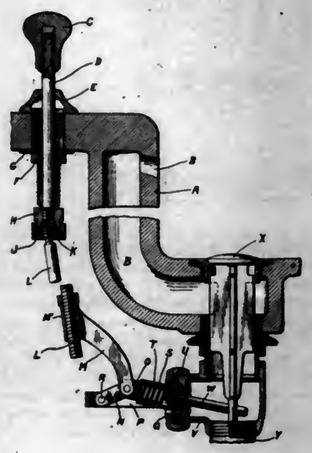
In a cotton picking machine of the character described, supporting wheels, power means supported by the wheels, a releasable driving connection between the power means and supporting wheels, a blower, a driving connection between the power means and the blower, a hose in connection with the intake of the blower, a handle in connection with the parts supported by the wheels by which the machine may be guided, control means for the first mentioned driving connection and extending to the handle so that said driving connection can be controlled by a person operating the handle, a conduit in connection with the discharge of the blower and extending to the handle, and a bag detachably carried at the handle to receive cotton from said conduit.

1,483,849. FASTENER. FRED HIRSH, New York, N. Y., assignor to The Adjusta Company, Inc., New York, N. Y., a Corporation of New York. Filed July 18, 1923. Serial No. 652,313. 12 Claims. (Cl. 24—227.)



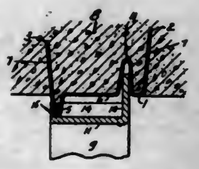
1. A one-piece metallic fastener comprising a slotted body or slide which is upset to provide longitudinal and transverse stiffening flanges and a hook which is integral with an inner bar of the body and is formed in part at least from the material of the bar.

1,483,850. LAVATORY FITTING. TOBIAS J. KAUFMAN, Chicago, Ill., assignor to Teck Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 4, 1921. Serial No. 489,918. 6 Claims. (Cl. 4—203.)



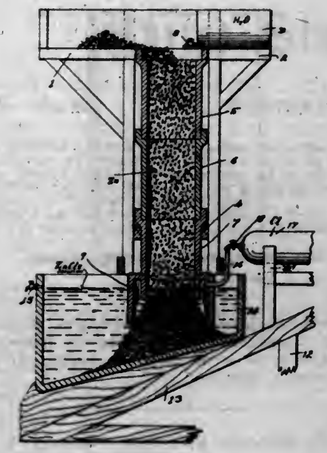
1. A fitting provided with a waste outlet, a plug adapted for movement to open and close said outlet, a toggle mounted adjacent the fitting casing and carrying a rod extending through the casing and operatively connected to said plug, and means for pivotally moving the toggle and thereby reciprocating said rod, whereby to move said plug to its open or closed position, substantially as described.

1,483,851. WALL STRIP FOR WINDOW FRAMES. EUGENE R. PERRY, Everett, Mass., assignor to The William Bayley Co., Springfield, Ohio, a Corporation of Ohio. Filed May 24, 1920, Serial No. 383,783. Renewed Feb. 23, 1922. Serial No. 538,696. 7 Claims. (Cl. 189—46.)



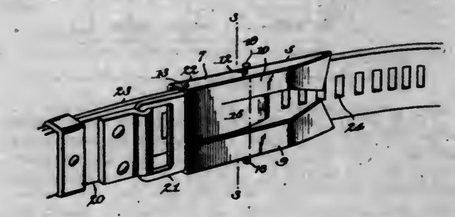
1. A wall-strip for holding window frames comprising a strip of metal transversely bent to form oppositely disposed, lateral wings, with an inwardly extended groove near one wing and an outwardly projected rib adjacent the other wing and with the face of the strip extending from the entrance to the groove to the base of the rib.

1,483,852. PROCESS OF MAKING ZINC CHLORIDE. LUDWIG ROSENSTEIN, San Francisco, Calif., assignor to Great Western Electro Chemical Company, a Corporation of California. Filed Jan. 31, 1921. Serial No. 442,833. 1 Claim. (Cl. 23—13.)



A process of producing zinc chloride which comprises maintaining a column of zinc particles in a receptacle open at the top and bottom, maintaining a supply of solution to cover the bottom of receptacle, feeding the chlorine to the material to be treated from the entire periphery of said column of material.

1,483,853. BUCKLE. FRANCIS J. SCHWEAD, New York, N. Y. Filed Feb. 23, 1923. Serial No. 620,775. 4 Claims. (Cl. 24—163.)

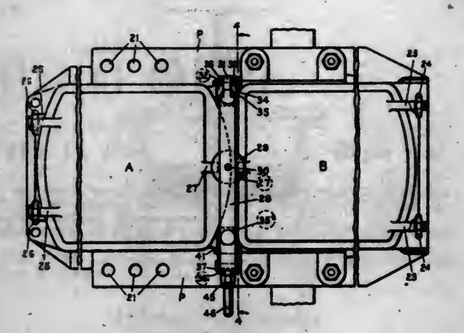


1. A buckle including a frame having a portion struck-up therefrom for yielding engagement with the free end of a belt and a part of the frame correlated to the struck-up portion to co-act therewith, and means for retracting said upstruck portion.

1,483,854. ABRASIVE STONE. JULES H. STEAN, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1919. Serial No. 279,225. 5 Claims. (Cl. 51—280.)

2. An abrasive stone for sharpening fine edges comprising fast cutting, abrasive grains, finely divided graphite intimately mixed therewith and a heat set resinous bond uniting the grains and graphite into a dense, self-lubricating mass.

1,483,855. HASP FASTENER. JAMES E. STEPHENSON, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed May 23, 1921. Serial No. 471,843. 8 Claims. (Cl. 292—281.)

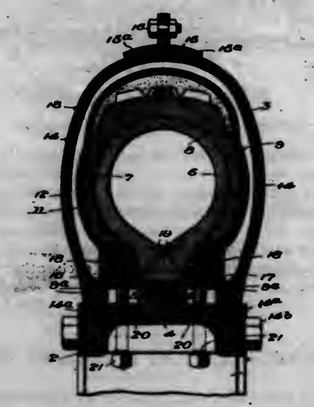


1. In a moisture-proof mechanism casing, a casing provided with adjacent openings, covers for the openings provided on their adjacent ends with alined lugs, and resilient means engaging said lugs to hold the covers to the casing.

1,483,856. METHOD OF MANUFACTURING RUBBERIZED FIBER COMPOSITION. PAUL BEEBE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 4, 1922. Serial No. 599,143. 11 Claims. (Cl. 18—50.)

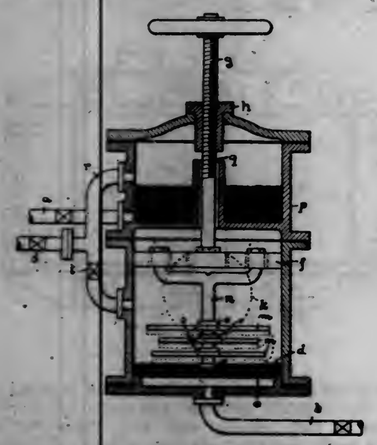
1. The method of making a rubberized fibrous material which consists in depositing a quantity of rubber on a quantity of fibers, permitting the resultant mass to jell, and treating it with means for causing shrinkage of the rubber.

1,483,857. MOLD. JAMES D. FITZHARRIS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 21, 1922. Serial No. 555,844. 10 Claims. (Cl. 18—78.)



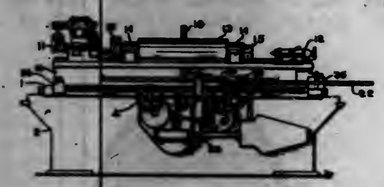
1. A segmental mold having a cavity therein adapted to receive a portion of a tire casing comprising, a core arranged to form the inner wall of the cavity, an expansible jacket surrounding the core to form the outer wall of the cavity, and means adapted for adjustment between the walls of the cavity to compress a portion of the casing.

1,483,858. WATER FILTERING AND SOFTENING APPARATUS. GEORGE GRANT HEPBURN, Chorlton-cum-Hardy, England. Filed Aug. 20, 1923. Serial No. 658,420. 2 Claims. (Cl. 210—24.)



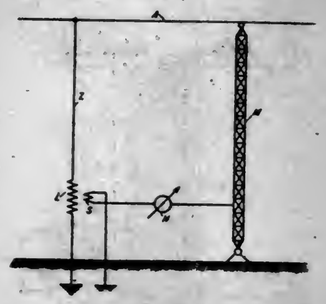
1. In a filtering apparatus, a casing, a perforated support in said casing, a mechanical filtering material disposed on said perforated support, a peaty mass upon said mechanical filtering material, a perforated plate arranged upon said peaty mass, a shank depending from the perforated plate, a plurality of independently movable agitating members carried by said shank, and means for limiting the movement of the respective agitating members with relation to said shank.

1,483,859. GRINDING MACHINE FOR FORMING ROLLS. CHARLES H. NORTON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1921. Serial No. 435,098. 8 Claims. (Cl. 51—100.)



1. A grinding machine comprising a base, a reciprocable table mounted thereon, means for reciprocating said table, a transversely movable table on said reciprocable table, and means including a follower on each of said tables and a forming bar held against longitudinal movement and extending between said followers to move the tables transversely relative to each other as they reciprocate.

1,483,860. ANTENNA ARRANGEMENT FOR WIRELESS TELEGRAPHY. OTTO VON BRONK, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 498,425. 5 Claims. (Cl. 250—33.)



1. In radio signalling systems having an antenna supported by a conducting mast, means for impressing an electromotive force on the mast to substantially prevent induced currents therein.

1,483,861. FILLING MACHINE. SAMUEL M. HEULINGS, Haddonfield, N. J. Filed Mar. 19, 1920. Serial No. 367,224. 20 Claims. (Cl. 226—22.)

1. In a filling machine, the combination with means for feeding bottles through the machine in progressive succession, and open topped vessels for premeasuring charges for the bottles by overflow of excess filling and progressively introducing such charges into the bottles during their advance through the machine; of means for replenishing the premeasuring vessels independently of the aforesaid charge-introducing means, and means responsive to wiping contact with a bottle to be filled for controlling the action of the said charge-introducing means.

Patents Nos. 1,483,862 to 1,484,613.

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Issue of February 19, 1924.

Trade-Marks	350—No. 179,794 to No.	180,143, inclusive.
Labels	46—No. 26,942 to No.	26,987, inclusive.
Prints	25—No. 7,183 to No.	7,207, inclusive.
Reissues	8—No. 15,767 to No.	15,774, inclusive.
Designs	49—No. 63,991 to No.	64,039, inclusive.
Patents	752—No. 1,483,862 to No.	1,484,613, inclusive.
Total	1230	

Annual Index.

The annual index of patents and trade-marks for 1923 was published on February 4, 1924. For the first time this annual index includes an alphabetical list of trade-mark applications published for opposition, as well as a classified list of trade-mark titles published for opposition.

Amendment to Rules of the Court of Appeals of the District of Columbia.

The following communication received from the clerk of the Court of Appeals of the District of Columbia relative to an amendment to the rules of the court as revised December 4, 1920, is published for the information of those concerned:

Amend Rule VIII as follows:
Paragraph 3: Strike out "September 10" and insert in lieu thereof "September 1." Strike out "October 10" and insert in lieu thereof "October 1."
Paragraph 4: Strike out the words "until the first day of the October Term," and insert in lieu thereof the words "20 days after the first of September." Strike out the words "until the first Monday in November," and insert in lieu thereof the words "20 days after the first of October."

PER CURIAM.

Test:
HENRY W. HODGES,
Clerk.

Promulgated January 26, 1924.

Attorneys—Disbarment.

(ORDER No. 2,853.)

U. S. PATENT OFFICE, *Washington, Jan. 17, 1924.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, Mr. J. Reaney Kelly, whose registration number is 10,647, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notice.

U. S. PATENT OFFICE, *Washington, Feb. 9, 1924.*

Hoffheimer Soap Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Theo. B. Robertson Products Company, 700–4 West Division Street, Chicago, Ill., for registration of a trade-mark and trade-marks registered February 13, 1906, and February 6, 1906, No. 49,655 and No. 49,376, respectively, to Hoffheimer Soap Co., 169 Jackson Boulevard, Chicago, Ill., and a notice of such declaration sent by registered mail to said Hoffheimer Soap Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoffheimer Soap Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS CANCELED.

168,196. Ladies' hosiery. Marshall Field & Company, Chicago, Ill. Registered May 15, 1923. Canceled January 24, 1924.

168,619. Hammers. The Stanley Works, New Britain, Conn. Registered May 29, 1923. Canceled July 7, 1923.

172,415. Coated paper adapted especially for use for coated papers to be printed or lithographed. McLaurin-Jones Co., Brookfield, Mass. Registered August 28, 1923. Canceled January 24, 1924.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,393,522, C. L. Goodrum, Telephone-exchange system, decided January 11, 1924, claim 7.

Pat. 1,454,441, H. K. Hess, Tone regulator for phonographs, decided January 14, 1924, claims 1 and 2.

Condition of Applications Under Examination at Close of Business February 8, 1924.

Room	(Total number of applications awaiting action, excluding Trade-Mark Division, 63,936; Trade-Mark Division, 1,675. Oldest new case, May 9, 1923; oldest amended, May 10, 1923. The dates given are 1923, except where * indicates 1924.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 14	June 15	1,123
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 21	June 13	1,167
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 24	Oct. 5	965
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	June 11	June 22	1,233
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	June 1	June 4	1,399
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	May 18	June 28	1,797
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	July 9	July 9	2,530
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Sept. 1	Oct. 30	1,566
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 15	*Jan. 2	739
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Bumping, Wheel Substitutes.	June 25	July 2	1,435
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Sept. 17	Sept. 17	775
322	12. PIERCE, P. P., Machine Elements	July 20	July 19	1,094
329	13. NIXON, O. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	June 9	Aug. 29	1,120
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	May 28	Dec. 19	1,035
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	May 11	June 4	2,001
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	June 1	June 1	2,713
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 4	Sept. 25	1,341
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	May 14	May 17	1,970
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Sept. 10	Nov. 10	1,039
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 18	July 3	1,333
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	May 23	Nov. 7	892
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 16	Sept. 8	416
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	May 9	May 19	589
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	June 21	July 17	1,000
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Oct. 8	Oct. 24	814
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	June 11	June 8	962
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 3	July 13	1,249
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 18	1,289
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	May 29	June 9	1,206
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	June 14	Nov. 9	1,077
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	June 30	July 10	1,330
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	May 26	May 31	1,256
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	July 14	June 27	1,354
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 6	Aug. 7	835
52	35. REYNOLDS, E. C., Buckles, Buttons, Claspe, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Sept. 26	Oct. 1	885
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug. 2	July 31	1,801
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	June 13	June 14	1,737
378	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	May 18	May 10	1,575
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 11	May 15	1,046
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 21	Nov. 5	1,909
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 16	July 13	972
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 12	June 2	1,779
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	June 11	June 11	1,725
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	May 28	Sept. 27	1,037
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Aug. 27	July 25	1,427
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Aug. 24	Sept. 17	1,120
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	July 3	Oct. 4	961
116	48. ROEPER, O. B., Electricity Conductors; Electricity, General Applications	May 9	May 22	2,407
283	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Aug. 1	Aug. 7	492
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 2	*Jan. 2	451
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Jan. 2	*Jan. 16	1,573
	{Labels and Prints	*Jan. 28	*Feb. 4	102

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE BELDEN.

Decided January 24, 1924.

1. APPEAL TO EXAMINERS IN CHIEF—MATTERS OF FORM.
   Matters of form affecting the claims appealed or finally rejected must be settled before a case can be appealed to the Examiners in Chief, but other matters of form can be maintained in abeyance until the appeal is settled.
2. SAME—SAME—POST-OFFICE ADDRESS.
   The requirement as to post-office address is not statutory and would not affect the hearing and determination of an appeal to the Examiners in Chief.
3. SAME—SAME—SAME—ABANDONMENT.
   Where on final rejection of his claims applicant was for the first time required to state his post-office address and a few days before the statutory period for appeal expired attention was again called to the requirement, whereupon the applicant filed an appeal without complying therewith, *Held* that applicant was entitled to petition from the requirement at any time within the year from the date of repetition thereof and that no question of abandonment was raised.

ON PETITION.

BRAKE-OPERATING MECHANISM.

Mr. Chester H. Braselton for the applicant.

KINNAN, *First Assistant Commissioner:*

Petition is taken that the Examiner be instructed to withdraw his holding of abandonment and to forward the appeal.

The record shows that on November 24, 1922, all claims were finally rejected, and it was stated in this action that applicant's complete post-office address, submitted over his own signature, should be filed. This was the first time this requirement was made.

An amendment was presented November 12, 1923, slightly changing the wording of the second and third claims, and entry of the amendment was requested for the purpose of placing the application in better condition for appeal.

On November 19, 1923, the Examiner informed the applicant that the said amendment had been entered, but that such entry did not relieve the application from the running of the abandonment period ending November 24, 1923. Attention was again called to the requirement as to applicant's post-office address.

On November 22, 1923, an appeal to the Examiners in Chief was filed.

On November 30th the Examiner held the case abandoned for failure to file the post-office address of the applicant.

The Examiner in his statement relies on the provisions of rule 33, requiring the post-office address in the petition, and states that to forward an appeal with the former criticism still standing would have been contrary to rule 134. While rule 134 states that—

> all preliminary and intermediate questions relating to matters not affecting the merits of the invention

must be settled before a case can be appealed, this does not mean that all matters of form in an application must be settled before an appeal can be taken.

[1] Matters of form affecting the claims appealed or finally rejected must be settled, as shown by such decisions as *ex parte Dodge*, 125 O. G., 665; *ex parte Phillips*, 135 O. G. 1801. But it has been held that other matters of form can be maintained in abeyance until the appeal is settled. See *ex parte Proctor*, 138 O. G. 258.

[2, 3] The requirement as to post-office address is not statutory and would not affect the hearing and determination of the appeal. This case is quite similar in some respects to the case of *ex parte Thomas*, 124 O. G. 623, and following the decision in that case it is held that applicant having filed his appeal within the year no question of abandonment is raised; furthermore, that as the Examiner repeated his requirement for the post-office address November 19, 1923, applicant was entitled to petition therefrom at any time within the year from that date.

The petition is granted.

LOTT *v.* TUCKER AND REEVES *v.* PEILER.

Decided December 10, 1923.

1. INTERFERENCE—MOTION UNDER RULE 157—INTRODUCTION OF TESTIMONY FROM ANOTHER INTERFERENCE.
   In order to justify granting a motion under rule 157, the testimony endeavored to be brought into the case must be pertinent, proper, and timely.
2. SAME—SAME—SAME—TO IMPEACH A WITNESS.
   In order to use depositions given in another interference to impeach a witness not a party to the litigation, the witness must be confronted with the alleged contradictory matter.
3. SAME—SAME—SAME—WITNESSES NOT CONFRONTED WITH CONTRADICTORY TESTIMONY.
   Where no effort was made in the present interference to confront the witnesses with the portions of the depositions included in the motion, *Held*, that the Examiner of Interferences was right in his denial of the motion with respect to the parts of the depositions of witnesses who were not parties to the interferences, and the accompanying exhibits from the other interference.
4. SAME—SAME—SAME—SAME.
   Notice in interference A that depositions will be relied on in interference B to contradict witnesses there is not such confronting of witnesses in interference B with contradicting statements as will justify introducing depositions from interference A into interference B under rule 157.

5. SAME—SAME—SAME—SAME—TESTIMONY OF PARTY TO THE INTERFERENCES.

The testimony given in another interference by a party to both interferences in order to be introduced in the present case must be directed to the same matter testified to here and must be inconsistent with the testimony here.

6. SAME—SAME—SAME—PRIMA FACIE CASE MUST BE MADE OUT.

The depositions from another case offered to contradict testimony given here need not be carefully examined and compared at the time they are admitted, but a prima facie case must be made out.

7. SAME—SAME—SAME—INTRODUCED PORTION FRAGMENTARY.

A party may introduce such portions of the record as he thinks pertinent, leaving the opposing party free to introduce such other portions as may be necessitated thereby.

8. SAME—SAME—SAME—NO REASON FOR DISCLOSING MATTER INVOLVED IN OTHER INTERFERENCE TO PARTIES WHO ARE NOT PARTIES THERETO.

The sole purpose of introducing the matter covered by the motion is to attack the case made out by P. As such it is a matter strictly between P. and T. and R., and there seems to be no reason for disclosing to L. the entire matter involved in interference No. 44,251.

9. SAME—SAME—SAME—ALL PARTIES NEED NOT BE THE SAME IN THE TWO INTERFERENCES.

It is not necessary for all the parties to be the same in two interferences in order to have matter brought in under rule 157.

10. SAME—SAME—SAME—TESTIMONY NOT YET TAKEN.

When witnesses in interference A are to testify subsequently in interference B, a motion under rule 157 cannot be granted to introduce into A testimony not yet taken in interference B.

On Request for Amplification, December 14, 1923.

11. SAME—SAME—SAME—DEPOSITION NEED NOT BE CERTIFIED.

Where portions of P.'s testimony were attached to T. and R.'s motion and no effort was made to show that they are not correct copies of the portions of the P. deposition in interference No. 44,251, there is no reason that they should be certified here.

12. SAME—SAME—SAME—GRANTING OF MOTION MAKES DEPOSITIONS A PART OF THE RECORD.

The granting of the motion by T. and R. to admit under rule 157 makes those portions of the testimony admitted a part of the record in this case as of the date of the motion. They will be printed by T. and R. as their record and will go to the court of appeals from this Office as printed record for T. and R.

ON APPEAL.

FEEDING MOLTEN GLASS.

Mr. John P. Rule and *Messrs. Milans & Milans* for Lott.

Mr. Edwin P. Corbett for Tucker and Reeves.

Mr. Wm. H. Honiss and *Messrs. Dorsey & Cole* for Peiler.

FENNING, *Assistant Commissioner:*

This is an appeal by Tucker and Reeves from the action of the Examiner of Interferences denying their motion under rule 157 to use testimony from another interference, No. 44,251, *Peiler* v. *Tucker and Reeves.*

In that interference Peiler testified and also produced as witnesses on his behalf Hunter and Lorenz. Peiler and Hunter began to testify in interference No. 44,251, but their depositions were interrupted to take their depositions in the present case, after which their depositions in No. 44,251 were proceeded with. Lorenz' testimony in the present case was taken before his testimony in No. 44,251.

The direct and cross examination in the present case of all three witnesses was concluded without bringing to their attention the testimony now offered. After the closing of Peiler's testimony and during the time set for taking testimony for Tucker and Reeves no witnesses were produced, but exhibits were put in evidence for Tucker and Reeves, and on the last day of their time a motion under rule 157 was made to use certain specific portions of the depositions in No. 44,251 of the three witnesses who had also testified in the present case. The motion also sought to bring into the present case exhibits from interference No. 44,251. The motion also set out that the testimony in interference No. 44,251 had not terminated and asked leave to bring into this case such portions of the subsequent testimony in that interference as might be desired. The sole purpose of bringing into the present case testimony from interference No. 44,251 is to discredit, weaken, lessen the weight of and nullify the testimony of the witnesses Peiler, Hunter, and Lorenz, given in this interference, by showing inconsistent statements made by such witnesses at different times in the different interferences.

The parties have referred to a number of cases interpreting and construing rule 157, including *Stone* v. *Hutin and Leblanc*, 1898 C. D. 191; 84 O. G. 1731; *Talbot* v. *Monell*, 1902 C. D. 216; 99 O. G. 2966; *Hall* v. *Weber*, 1904 C. D. 55; 108 O. G. 1054; *Kenny and Thordarson* v. *O'Connell* v. *Baird* v. *Schmidt*, 1905 C. D. 257; 117 O. G. 1163; *Struble* v. *Young*, 1905 C. D. 459; 119 O. G. 338; *Beall* v. *Lyon*, 1907 C. D. 116; 127 O. G. 3215; *Hewitt* v. *Weintraub*, 1908 C. D. 140; 134 O. G. 1561; *Moyer* v. *Anglada*, 1920 C. D. 86; 281 O. G. 789; *Olson* v. *Pospeshil*, 1921 C. D. 128; 238 O. G. 365; 50 App. D. C., 182.

[1] It will not be necessary to review these decisions here. They apparently establish the fact that rule 157 does not endeavor to wipe out all of the ordinary rules of evidence or procedure. It is clear that in order to justify granting a motion under rule 157, the testimony endeavored to be brought into the case must be pertinent, proper, and timely.

[2, 3] Hunter and Lorenz are not parties to the present interference or to interference No. 44,251. It is clear from Wigmore on Evidence, second edition, sections 1017 to 1046, that in order to use other depositions to impeach a witness, the witness must be confronted with the alleged contradictory matter. No effort in the present case was made to confront the witnesses with the portions of the depositions included in the motion. I must therefore conclude that the Examiner of Interferences was right in his denial of the motion under rule 157 with respect to the parts of the depositions of Hunter and Lorenz, and the accompanying exhibits from interference No. 44,251. This seems definitely settled by *Moyer* v. *Anglada, supra.*

Tucker and Reeves argue that since the witnesses Hunter and Lorenz had finished their testimony in the present case before they had given at least a part of what is proposed to be brought over from interference No. 44,251, they should be relieved of the requirement of confronting the witnesses with their contradictory statements, but there is no reason why the witnesses should not have been recalled in the present case and confronted with their testimony from interference No. 44,251. (See Wigmore, section 1036.) Indeed, I am unable to find authority for employing testimony from another case to contradict a witness when the contradictory testimony from the other case was given after the testimony to be contradicted. Every case that I have found relates to the use for contradictory purposes of testimony given before that which is to be contradicted.

[4] It seems that Tucker and Reeves gave some sort of a notice on the record in interference No. 44,251, that some of the testimony in that case might be used to contradict testimony in the present case, but that notice is not and cannot be relied upon here.

As pointed out in *Moyer* v. *Anglada*, the testimony of Peiler, a party to both this interference and interference No. 44,251, stands on a different footing. As stated in section 1051 of Wigmore:

> The rule requiring that the witness must have been warned when on the stand, and asked whether he had made the statement about to be offered as a self-contradiction has always been understood not to be applicable to the use of a party's admissions, i. e., they may be offered without a prior warning to the party.

In *Moyer* v. *Anglada*, the party Moyer had not testified. The fact that Peiler, a party, did testify in the present case does not make the holding in *Moyer* v. *Anglada* inapplicable here. (See footnote 1, Wigmore, section 1051.)

[5, 6] It is true, however, that the testimony of Peiler from interference No. 44,251, in order to be introduced under rule 157 in the present case, must be directed to the same matter testified to here and must be inconsistent with the testimony here. This does not mean that it is incumbent upon us at the present time to carefully examine the Peiler deposition here and compare it with the portions of the Peiler deposition to be brought over from interference No. 44,251. It does mean, however, that a prima facie case must be made out. The Examiner of Interferences found such prima facie case was not made out, apparently on the theory that the statements in the motion itself were not sufficient.

In support of the motion and attached thereto, the moving party set out that in interference No. 44,251 Peiler in support of his contention has directed his testimony to the same paddle feeders and the same plunger feeder as form the basis of his testimony in the present interference. In the brief here they point out that there are inconsistencies. Peiler in opposing the motion here apparently does not contend that the portion to be brought over from interference No. 44,251 is not pertinent, but rather that it is not brought over in a proper manner under rule 157.

The brief filed here for Peiler says:

> The Peiler extracts, however, may if they satisfy the "rule of completeness" be proper as being an admission of a party in interest.

I am satisfied then that the prima facie case referred to in section 1040 of Wigmore on Evidence has been made out.

[7] Peiler objects because the portion of the deposition attempted to be brought by the motion is fragmentary, but the general rule must be applied here that a party may introduce such portions of the record as he thinks pertinent, leaving the opposing party free to introduce such other portions as may be necessitated thereby. (Wigmore, section 1045.)

Neither Wadsworth nor Lott is a party to interference No. 44,251. Wadsworth took no part in the hearing here on this appeal, but Lott appeared and objected to any consideration of the motion on the ground that since he was not a party to interference No. 44,251, he had no opportunity to examine the record and the depositions there and, consequently, was unable to intelligently consider the portions of the deposition served on him with Tucker and Reeves's motion. Lott additionally objected because the exhibits referred to in the motion were not furnished him.

[8] The sole purpose of introducing the matter covered by the motion is to attack the case made out by Peiler. As such it is a matter strictly between Peiler and Tucker and Reeves, and there seems to be no reason for disclosing to Lott the entire matter involved in interference No. 44,251, although, of course, Tucker and Reeves are free to do so if they see fit.

Tucker and Reeves point out that Hunter and Lorenz are employees of the Hartford-Fairmont Company, and that they have contractual relations with them with respect to inventions. This company owns the present Peiler application, as well as the Peiler application involved in interference No. 44,251. Because of this it is argued that the Hartford-Fairmont Company is a party in interest in both interferences, and that Hunter and Lorenz are agents of the company, and that, consequently, the matter endeavored to be brought over from interference No. 44,251 is matter going not merely to discredit the witness, but matter going to testimonial impeachment of a party. The argument is naive, interesting, and enticing, but I am unable to believe that it should be followed in the absence of controlling authority and this has not been produced.

[9] The cases cited above seem clearly to indicate that it is not necessary for all the parties to be the same in two interferences in order to have matter brought in under rule 157.

[10] It seems clear that the motion to introduce from interference No. 44,251 testimony not yet taken should be denied, since this case can not be delayed thus indirectly by that case.

The motion is granted to the extent only that the testimony of Peiler in interference No. 44,251 and the accompanying exhibits included in the motion may be admitted under rule 157. The remainder of the motion is denied.

To the extent indicated the Examiner of Interferences is affirmed.

On Request for Amplification, December 14, 1923.

[11, 12] Peiler asks for amplification of my decision of December 10. It is the custom for this Office to refer to documents on file without having them specifically certified. Portions of the Peiler testimony were attached to Tucker and Reeves's motion and no effort has been made to show that

they are not correct copies of the portions of the Peiler deposition in interference No. 44,251. There is no reason that they should be certified here. Peiler took the testimony in interference No. 44,251, and he can readily ascertain whether the extracts attached to the motion are true copies. The granting of the motion to admit under rule 157 makes those portions of the testimony admitted a part of the record in this case as of the date of the motion. They will be printed by Tucker and Reeves as their record and will go to the court of appeals from this Office as printed record for Tucker and Reeves.

U. S. Circuit Court of Appeals—Sixth Circuit.

TOLEDO MACHINE & TOOL CO. *v.* E. W. BLISS CO.
E. W. BLISS CO. *v.* TOLEDO MACHINE & TOOL CO.

Decided March 9, 1923.

[287 Fed. Rep. 443.]

1. PATENTS—KLOCKE PATENT, 955,173, HELD INVALID AS TO CLAIMS 1, 2, AND 3, AND VALID AND INFRINGED AS TO CLAIMS 4, 5, 6, AND 7.

Klocke patent, No. 955,173, for a drawing or punch press for sheet metal, *Held* invalid as to claims 1, 2, and 3 and valid and infringed as to claims 4, 5, 6, and 7.

2. SAME—SUPERIORITY NOT NEGATIVE OF INFRINGEMENT.

Superiority does not necessarily negative infringement.

APPEAL and cross appeal from the District Court of the United States for the Northern District of Ohio; D. C. Westenhaver, judge.

Suit for infringement between the Toledo Machine & Tool Company and the E. W. Bliss Company. From a decree the former appeals, and the latter cross appeals. Affirmed.

Mr. A. J. Hudson (*Messrs. Thurston, Kwis & Hudson* on the brief) for Toledo Machine & Tool Co.

Mr. Arthur C. Fraser (*Mr. Gustave R. Thompson, Messrs. Fraser, Turk & Myers*, and *Mr. Charles S. Wachner* on the brief) for E. W. Bliss Co.

Before KNAPPEN, DENISON, and DONAHUE, Circuit Judges.

KNAPPEN, *Cir. J.*:

[1] Suit for infringement of United States Patent No. 955,173, April 19, 1910, to Klocke, for a drawing or punch press for sheet metal. The structure of the patent consists of a vertically-acting press, having at its lower end a stationary bed which carries the lower die, upon which the material is clamped and worked; also having a blank holder, which is guided upon side frames of the machine, and a plunger or press (carrying the upper die), which is guided within the blank holder. A primary rotary transverse shaft located at the upper end of the machine operates a large gear wheel at each end of the shaft, and on the outside of the machine frame. Each of these gear wheels is connected with one end of each of three other transverse shafts; one being a rotary crank shaft, geared at each end to the inner side of the gear wheel, the crank shaft operating the plunger through links connected at their upper ends to the cranks. The other two shafts are rockshafts, one on each side of and parallel to the crank shaft, and in a somewhat higher plane. Each end of these rockshafts is operated by the gear wheel through a pitman connected at its upper end by a crank pin to the outside of the gear wheel, and at its lower end to a reciprocating slide located between the large gear and the outside of the side frame of the machine upon which it is guided; the slide being in turn connected by a link mechanism carried up on the inside of the large gear to a connection with the end of the rockshaft, which in turn, by means of toggle links, communicates pressure to the blank holder. There being one link at each end of each of the two rockshafts, the pressure is thus exerted at each of the four corners of the blank holder. This distribution of power at each end of the machine, that is to say, from each end of the three shafts, is sometimes spoken of in the record as the "triple bilateral distribution" and sometimes as creating "bilateral symmetry." The connection between the gear wheel and the ends of the rockshafts, by which the mechanism is carried down the outside of the gear wheel and then up on the inside thereof to one end of the rockshaft, is called in the record the "straddle drive." We print in the margin the seven claims of the patent,[1] each of which is in issue. The defenses are invalidity for lack of invention and noninfringement. The district court held claims 1, 2, and 3 invalid, and claims 4, 5, 6, and 7 valid and infringed. Each party appeals.

The art in question was old and well developed previous to the application for the patent in suit. There was nothing new in using driving gears at each end of a crank shaft operating the plunger, nor in using two rockshafts for actuating the blank holder, nor in driving the same at both ends, nor in the use of a slide for transmitting motion to the rockshafts, nor in the use of toggle-actuated mechanism for transmitting motion from the rockshafts to the blank holder. But, while all these several uses were old, they were not all found in any one embodiment of the prior art. Invention may be found in the combining of these separately old elements in such a way as to produce a new result, or to produce the old result in a new and materially better way. Concededly, a drawing press with a crank shaft driven by gears at both ends, with two toggle-actuating rockshafts driven from that crank shaft equally at both ends, was new. Equally admittedly, the prior art did not disclose a drawing press with a crank shaft at the top of the press driven by twin gears on its ends[2] and two rockshafts located between such gears, and any means for taking motion from the outer sides of both gears and transmitting such motion around both gears to the ends of both rockshafts on the inner sides of the gears. Indeed, the so-called "straddle drive" seems a new element as applied to a drawing machine of this character. The device of the patent was thus not anticipated.

The question of validity is merely one of invention, in view of the prior art. That the structure of the patent had pronounced advantages over the prior art is apparent. The driving of both the crank shaft and the rockshafts from both ends relieves the torsional strain likely to result from the application of power to but one end, thus practically requiring the power from each end to operate only to the center of the shaft, causing a more even and regular movement, and permitting the use of smaller shafts[2], and, as applied to the rockshafts, makes the blank-holder pressure more uniform. None of the power which operates the blank holder is transmitted directly from the crank shaft, although supplied from the same source of power, but each carries only its own normal load. As pointed out by the district judge, the location of the driving wheels outside the frame of the machine gives more room between the side frames for the operating mechanism of both plunger and blank holder, and thus permits a greater width of work than was practicable under the prior art, and the device of the patent has increased quantity production of large size stampings, especially the stamping of large automobile and fender parts, which require machines of enormous size, sometimes weighing more than 100 tons. We have no difficulty in agreeing with the district judge that the structure of the Klocke patent in suit brings not only a better result than attainable in the old art, but produces that result in a materially better way, and that what Klocke accomplished amounted, broadly speaking, to invention, and not merely mechanical skill.

We also agree with the district judge that claims 1 and 2 do not involve invention. Neither contains the straddle drive. The plunger actuating shaft of claim 1 is not driven at both ends. While claim 2 contains such feature, it calls for no specific mechanism, and neither claim contains anything patentable over the prior art. Claim 4 clearly involves invention. It calls not only for complete bilateral symmetry, but it calls for driving gears located outside the machine frame, together with slides between the gears and the side frames and guided thereupon. We cannot agree with defendant that the specification fails sufficiently to describe the so-called straddle drive. We think the specification, in connection with the drawings, fairly shows that the power actuating the rockshafts is carried by means of the pitman and slide, from the outer side of the gear wheel, under the same, and then upwards on the inner side of the gear wheel to the rockshaft.

Claim 3 differs from claim 4 only in that it calls for a one-end drive for both crank shaft and rockshafts. It has the straddle drive, and there is force in the suggestion that this straddle drive alone is enough to create invention. But no machine of that character has been built, or seems likely to be built. Such a machine would not serve the substantial purposes of the patent in suit, in that it lacks bilateral symmetry and does not make possible a very substantial broadening of the machine, and so has little, if any, increased utility as compared with double-driven operation of both crank shaft and rockshafts. Nor have we the benefit of favorable reception by the public or acquiescence therein as affecting the question of useful invention. We are therefore inclined to regard the claim as invalid.

In our opinion, claim 5 involves invention. Both the crank shaft and rockshafts are double-driven. The gears are outside the frame of the machine and the claim calls for link transmission between the rockshafts and blank holder. Its validity thus falls directly within the first of the concessions of novelty before referred to. True, it differs from claim 2 only in calling (in effect) for gears outside the frame of the machine and link transmission from rockshafts to blank holder; but we think these differences enough to distinguish. We do not think it open to criticism as being merely an aggregation. We think both claims 6 and 7 involve invention. Each calls for bilateral symmetry, for gear wheel connection with the outer ends of the crank shaft, and means for transmitting the motion of the gear wheels to the rockshafts. Claim 7 in terms calls for toggle-actuating mechanism between rockshafts and blank holder. While claim 6 omits the link element, we are not impressed that this omission is sufficient to negative validity.

[2] Defendant's construction is practically identical with the structure of the Klocke patent, except in two particulars: First, defendant has cut away the central and comparatively nonessential portion of each of the two rockshafts, and, by the use of an additional gear at each end, making practically four rockshafts, instead of two; second, as the slide of defendant's press operates below the gear mechanism, additional linkage is provided between the lower end of the pitman and the rockshaft connection. But both in respect to the rockshafts themselves and the link connection defendant's machine operates in substantially the same way and produces the same result. We think defendant's mechanism in both the respects referred to is the mechanical equivalent of the mechanism of the patent in suit, although it is probably true that defendant's rockshaft construction is superior to Klocke's. The same may be true of the lower-plane location of defendant's slides; but it is commonplace that superiority does not necessarily negative infringement.

It results from the views we have stated that claims 1, 2, and 3 should be held invalid, and claims 4, 5, 6, and 7 held valid and infringed.

The decree of the district court is accordingly affirmed. The costs of this court will be divided.

[1] 1. A drawing press having a plunger and a blank holder, a rotary shaft actuating said plunger, a pair of rock shafts actuating said blank holder; and mechanism at each end of said plunger actuating shaft for transmitting the motion thereof to each end of said rock shafts.

2. A drawing press having a plunger and a blank holder, a rotary shaft actuating said plunger, a pair of rock shafts actuating said blank holder, and mechanism at each end of said plunger actuating shaft for transmitting the motion thereof to each end of said rock shafts, and gearing at each end of said plunger actuating shaft for driving it with equal pressure at each end.

3. A drawing press having a plunger actuating shaft, a driving gear at the end thereof, and a blank holder actuating slide driven from said gear, located between said gear and the side frame of the machine and guided upon the side frame of the machine.

4. A drawing press having a plunger actuating shaft and driving gears M M' at opposite ends thereof, and blank holder actuating slides A A' driven from said gears, located between said gears and the side frames of the machine, and guided upon the side frames of the machine.

5. A drawing press having a plunger, a shaft J, cranks H H' on said shaft, links F F' between said cranks and opposite portions of the plunger, end bearings for the shaft located closely adjacent to said cranks, gears M M' upon the opposite ends of said shaft, a shaft O carrying pinions N N' engaging the respective gears M M' whereby said shaft is driven with equal force at its opposite ends, and the strain is evenly distributed upon the plunger and at opposite parts of the shaft, a blank holder, a pair of rock shafts for actuating it, and links transmitting the motion of said rock shafts to opposite portions of the blank holder, said rock shafts also being driven with equal force at their opposite ends.

6. A drawing press having a plunger, a shaft J, cranks H H' on said shaft, links F F' between said cranks and opposite portions of the plunger, end bearings for the shaft located closely adjacent to said cranks, gears M M' upon the opposite ends of said shaft, and a shaft O carrying pinions N N' engaging the respective gears M M' whereby said shaft is driven with equal force at its opposite ends and the strain is evenly distributed upon the plunger and at opposite parts of the shaft, a blank holder, a pair of rock shafts *o o'* for actuating the same, and means for transmitting the motion of said gears M and M' to said rock shafts, said transmitting means being located at opposite sides of the machine so as to positively actuate the opposite ends of each of the shafts *o o'* from the gear at the corresponding side of the machine, so as to maintain a uniform load upon said gears and to exert a uniform strain upon said rock shafts.

7. A drawing press having a plunger, a shaft J, cranks H H' on said shaft, links F F' between said cranks and opposite portions of the plunger, bearings for the shaft located closely adjacent to said cranks, gears M M' upon the opposite ends of said shaft, and a shaft O carrying pinions N N' engaging the respective gears M M', whereby said shaft is driven with equal force at its opposite ends and the strain is evenly distributed upon the plunger and at opposite parts of the shaft, a blank holder A, a pair of rock shafts *o o'* for actuating it, links transmitting the motion of said rock shafts to opposite portions of the blank holder, and means for transmitting the motion of the gears M M' to both ends of each of said rock shafts so as to drive them with equal force at opposite ends.

[2] The reference to a drawing press with a crank shaft at the top of the press is possibly made to distinguish a machine with an immovable bed from one whose bed is movable, and the pressure thus upwards.

[2] Some of those in use are 10 to 12 inches in diameter.

ADJUDICATED PATENTS.

(C. C. A. Cal.) The Wallace patent, No. 959,976, for pavement, claim 2 *Held* not infringed. *Warren Bros. Co.* v. *Thompson*, 293 Fed. Rep. 745.

(D. C. Ill.) The Cassidy patent, No. 1,064,289, for folding stool, *Held* valid and infringed. *Cassidy* v. *Evan D. Reed Mfg. Co.*, 293 Fed. Rep. 797.

(D. C. Wash.) The Carson patents, Nos. 1,149,495 and 1,302,307, for metallurgical furnaces, *Held* void for anticipation. *Carson* v. *American Smelting & Refining Co.*, 293 Fed. Rep. 771.

(C. C. A. 8th.) The Gross patent, No. 1,380,058, for automobile parking light, claim 3 *Held* valid and infringed. *Gross* v. *Frank*, 293 Fed. Rep. 702.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

989,939, W. E. Allington, Dust collectors, suit filed Nov. 14, 1923, D. C., Del., Doc. E 532, *W. E. Allington et al.* v. *The Shevlin-Hixon Co.*

1,090,776. (See 1,275,654.)

1,152,326, T. A. Lewis, Method of and apparatus for laying submarine pipe, suit filed Nov. 21, 1923, D. C., E. D. N. Y., Doc. 1350, *T. A. Lewis* v. *Merritt, Chapman & Scott Corp.*

1,275,654, H. H. Boyce, Indicating means for motor-propelled vehicles, and (inserted by amendment June 11, 1921) 1,090,776, same, Indicating means and apparatus for internal-combustion engines, suit filed Apr. 20, 1920, D. C., N. D. Ohio (E. Div.), Doc. 546, *H. H. Boyce et al.* v. *The F. B. Stearns Co.* Final decree, patents valid and infringed, counter claim of intervenor dismissed, Dec. 24, 1923.

1,279,454, 1,342,873, D. H. Schweyer, Train-controlling apparatus; 1,389,602, same, Automatic train-control system, suit filed Dec. 20, 1923, D. C., S. D. N. Y., Doc. E 28/194, *Schweyer Electric & Mfg. Co. et al.* v. *Regan Safety Devices Co., Inc., et al.*

1,329,658, H. Gernsback, Telephone headband; 1,447,969, F. Dietrich, Telephone sets, final consent decree in favor of plaintiff, sustaining patents, adjudging infringement, granting injunction, filed Dec. 17, 1923, D. C., S. D. N. Y., *C. Brandes, Inc.*, v. *The Greeley-Madison Corp. et al.*

1,342,873. (See 1,279,454.)

1,369,517, Re. 15,427, H. M. Boe, Grease or oil dispensing apparatus, final decree dismissing bill because of noninfringement Dec. 26, 1923, D. C., N. D. Ohio (E. Div.), *H. M. Boe et al* v. *The Marvel Equipment Co. et al.*

1,373,121, J. H. Emery, Hollow castings and method of producing same; 1,390,349, same, Artificial grapes and method of producing same, suit filed Oct. 11, 1921, D. C., S. D. N. Y., Doc. E 22/199, *J. H. Emery et al.* v. *J. Hoffer.* Final decree dismissing defendant's counterclaim for lack of jurisdiction and dismissing bill of complaint on the merits, filed Dec. 22, 1923.

1,389,602. (See 1,279,454.)

1,390,349. (See 1,373,121.)

1,447,969. (See 1,329,658.)

Re. 15,427. (See 1,369,517.)

Des. 60,463, R. F. Lindemann, Husk for lighting fixtures, suit filed Dec. 8, 1923, D. C., S. D. N. Y., Doc. E 28/155, *A. Vester Sons, Inc.*, v. *M. R. Horowitz* (*Standard Metal Spinning Co.*). Bill dismissed Dec. 27, 1923.

Des. 61,733, M. H. Daudy, Lace, consent order removing action from trial calendar and providing that same be restored in case of violation of agreement entered into by parties filed Dec. 19, 1923, D. C., S. D. N. Y., Doc. E 26/49, *North American Lace Co.* v. *American Textile Co., Inc.*

Des. 62,482, H. Frischer, Plaited fabric, suits filed Jan. 9, 1924, D. C., S. D. N. Y., Doc. E 28/247, *H. Frischer* v. *Star Pleating Co., Inc.* Same, Doc. E 28/248, *H. Frischer* v. *Eckstein & Landau* (*I. D. Mfg. Co.*). Same, Doc. E 28/249, *H. Frischer* v. *Landau* (*Landau Bros.*).

T. M. 80,120, E. Greenfield's Son & Co., Confectionery, suit filed Dec. 3, 1923, D. C., N. D. Ill., Doc. 3799, *E. Greenfield's Sons* v. *P. Steffanos et al.*

T. M. 108,418, Bunte Bros., Confectionery, suit filed Dec. 19, 1923, D. C., N. D. Ill., Doc. 3819, *Bunte Bros.* v. *M. P. Elieff et al.*

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 19, 1924.

[VOL. 319. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 130,850. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROYAL METAL MANUFACTURING CO., Chicago, Ill. Filed Apr. 8, 1920.

"Royal-Chicago"
PRODUCTS

No claim is made to the words "Chicago" or "Products" apart from the mark shown in the drawing.

Particular description of goods.—Wire Furniture Consisting of Wire Chairs, Wire Stools and Wire Tables with Vitreous Tops of the Type Used in Restaurants and Ice-Cream Parlors; Washstands, Hatracks, Costumers, Mirrors Pivoted to Tables and the Like, and Metal-Framed Mirrors Pivoted on Metal Supports, Such as Shaving Mirrors and Those Other Than the Precious-Metal Type.

Claims use since Nov. 11, 1913.

Ser. No. 137,290. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROSELLA PRESERVING AND MANUFACTURING COMPANY LIMITED, Richmond, Victoria, Australia. Filed Sept. 17, 1920.

ROSELLA



Particular description of goods.—Deciduous Fruits, Honey, Tomato Sauce, Worcestershire Sauce, and Chutney Sauce.

Claims use since 1912.

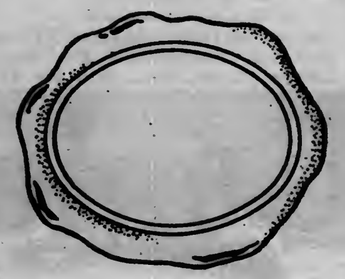
Ser. No. 143,546. (CLASS 12. CONSTRUCTION MATERIALS.) ALFRED BOOTHE CALLAGHAN, New York, N. Y. Filed Feb. 14, 1921.

Caltex

Particular description of goods.—A Waterproofing and Protective Coating for Use on Construction Materials.

Claims use since May 6, 1920.

Ser. No. 151,064. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE RIESER COMPANY, New York, N. Y., assignor to The Rieser Company, Inc., New York, N. Y., a Corporation of New York. Filed July 28, 1921.



Particular description of goods.—Hair Nets.

Claims use since May 1, 1907.

Ser. No. 151,358. (CLASS 32. FURNITURE AND UPHOLSTERY.) WM. CAMERON & CO. INC., Waco, Tex. Filed Aug. 4, 1921.

IDEAL

Particular description of goods.—Built-In Furniture Comprising Sideboards, Window Seats, Mirrors, and Bathroom Cabinets.
Claims use since Oct. 1, 1920.

Ser. No. 156,278. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) EDGAR T. HORSEY, Cleveland, Ohio. Filed Dec. 5, 1921.

LENS-EYE

Particular description of goods.—Devices Adapted to be Applied to Headlight Lenses for Preventing Glare in Headlight Lenses.
Claims use since Sept. 1, 1921.

Ser. No. 156,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ANDROSCOGGIN MILLS, Lewiston, Me. Filed Dec. 17, 1921.

COLONIAL

Particular description of goods.—Cotton Sheetings, Sheets, Pillowcases, and Quilts.
Claims use since February, 1889.

Ser. No. 159,184. (CLASS 39. CLOTHING.) SIGMUND EISNER COMPANY, Red Bank, N. J., and New York, N. Y. Filed Feb. 10, 1922.

EISNER-DUPONT

Particular description of goods.—Coats and Trousers.
Claims use since Mar. 1, 1921.

Ser. No. 164,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GENIE PRODUCTS COMPANY, Dayton, Ohio. Filed May 31, 1922.



The lines on the drawing are shading and do not indicate color.
Particular description of goods.—Powdered Cleaner with Incidental Water-Softening Properties.
Claims use since about Aug. 20, 1921.

Ser. No. 164,758. (CLASS 39. CLOTHING.) THE HIRSHMAN BROS. COMPANY, doing business as Polo Knitting Mills, Cleveland, Ohio. Filed June 1, 1922.

POLO

The lining on the drawing is for shading only.
Particular description of goods.—Hosiery; Men's, Women's, and Children's Underwear in Knitted and Textile Fabric, But Not in Silk Fabric.
Claims use since April, 1921.

Ser. No. 165,060. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE BARIO METAL CORPORATION, New York, N. Y. Filed June 6, 1922.

NILO

Particular description of goods.—High-Resistance Alloys and Metal Castings and Forgings.
Claims use since May 1, 1922.

Ser. No. 165,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHESEBRO BROTHERS & ROBBINS, INC., New York, N. Y. Filed June 17, 1922.



No claim is made to the word "Brand" and the phrase "Warranted Top Quality" apart from the mark as shown.
Particular description of goods.—Fresh Fish.
Claims use since about May 24, 1922.

Ser. No. 166,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed July 1, 1922.



Particular description of goods.—Witch Hazel, Preparation for Destroying Insects and Vermin, Bronchial Troches, Coconut-Oil Shampoo, Headache Pellets, Saponaceous Antiseptic for Teeth, Medicinal Scalp Treatment, Cocoa Butter, Chemical Garden Spray for Insects, Liver Tablets, Solution of Citrate of Magnesia, Hair Tonic, Toilet Waters, Perfumery, Headache Powders, Sandalwood Oil, Formaldehyde, Grippe and Cold Tablets, Castor Oil, Cough Balsam, Corn Remedy, Complexion Cream, Willow Charcoal Powder for Medicinal Purposes, Chlorate of Potash Tablets, Laxative, Granular Effervescent Bromo, Hair Dressing and Bandoline, Hair Coloring, Dyspepsia Tablets, Elixir Glycerophosphates Compound, Sirup of Hypophosphites, Bay Rum, Dental Cream, Oxalic Acid, Muriatic Acid, Carbolic Acid, Coal-Tar Acid, Bisulphide of Carbon, Sugar of Lead, Iodoform, Sheep Dip, Ether, Copperas, Permanganate of Potash, Chloroform Liniment, Essence of Pepsin, Sea Salt, Vichy Salt, Benzoin Cream, Violet Ammonia, Arnicated Salve, Cod-Liver Oil, Soluble Elastic Capsules of Balsam of Copaiba, Sulphur and Cream-of-Tartar Lozenges, Alkaline Gargle; Condition Powders for Horses, Cattle, Hogs, and Poultry; Horse Liniment, Kissengen Salt, Citrated Magnesia, Nail Bleach, Soluble Phenyl, Skin Cream, Phosphate of Soda, Pile Suppository, Willow Charcoal Tablets, Borated Bay Rum, Carbolic Salve, Liquid Pile Ointment, Preparation for Healing Skin, Eucalyptus Ointment, Boric-Acid Crystals, Powdered Boric Acid, Carmine, Tannic Acid, Powdered Alum, Aniseed, Brown Mixture, Buchu Leaves with Stems, Cardamom Seeds, Artificial Carlsbad Salt, Cascara Bark; Flake White, an External Astringent; Camphorated Chalk, Soda Mint and Rhubarb, Precipitated Prepared Chalk, Chalk and Orris, Wintergreen Chalk, Camomile Flowers; Chinese Shavings, a Hair Dressing Preparation; Cold Cream, Collodion for Medicinal Use, Cream of Tartar, Epsom Salt, Bathing Epsom Salt, Essence of Peppermint for Medicinal Use, Tincture of Ginger for Medicinal Use, Fennel Seed, Flaxseed, Ground Flaxseed, Extract of Cascara Sagrada Aromatic, Extract Cascara Sagrada U. S. P., Glycerin, Glycerin and Rose Water, Benzoinated Glycerin and Rose Water, Carbolated Glycerin and Rose Water, Henna Leaves, Powdered Henna Leaves, Insect Powder, Juniper Berries, Compound Licorice Powder, Lime Water, Lycopodium, Magnesia Carbonate, Moth Wax for Fumigating Purposes, Mustard; Naphthalene Flake, an Insecticide; Oil of Sweet Almonds, Camphorated Oil, Oil of Bergamot, Coconut Oil for Medicinal Use, Oil of Eucalyptus, Lavender Oil, Oil of Wintergreen, Oil of Sassafras, Oil of Skunk, Sulphur Ointment for Medicinal Purposes, Zinc Ointment, Orris Root, Pure Oil of Rose, Chlorate Potash, Powdered Chlorate Potash, Hayden's Viburnum, Powdered Rhubarb, Pure Rochelle Salts, Powdered Asafetida, Gum Asafetida, Saffron, Rose Water, Saltpeter, Salt of Tartar, Sarsaparilla Root, Sassafras Bark, Senna Leaves, Aromatic Spirit of Ammonia, Sweet Spirits of Niter, Spirits of Camphor, Sulphur, Pure Oil of Turpentine for Medicinal Use, Venice Turpentine, Tincture of Arnica, Tincture of Benzoin Compound, Tincture of Chloride of Iron, Tincture of Green Soap, Tincture of Myrrh, Zinc Oxide, Niter Paper, Dobell's Solution, Sulphur and Cream-of-Tartar Lozenges, Granular Agar (Constipation Remedy), Paraffin Oil for Medicinal Use, Ant Poison, Bedbug Poison, Vermifuge and Worm Confections, Toothache Drops, Lithia Tablets, Glycerin Suppositories, Soda-Mint Tablets, Seidlitz Powders, Sanitary Fluid (Germ Destroyer), Mouth Wash, Denatured Alcohol, Chloroform, Aqua Ammonia, Concentrated Ammonia, Tincture of Iodine, Compound Cathartic Pills, Lanolin Hydros, Calomel and Soda Tablets, Japanese Menthol, Blue Ointment, Powdered Pepsin, Oil of Cedar, Oil of Cloves, Oil of Lavender Flowers, Goose Oil for Medicinal Purposes, Oil of Peppermint for Medicinal Purposes, Zinc Sulphate, Tincture of Larkspur N. F., Spanish Saffron for Medicinal Purposes, Preparation for Preserving Eggs, Quinine Capsules, Calomel, Foot Powder, Elixir of Colchicum and Salicylates, Sirup White Pine Compound, Antiseptic Vaginal Wash, Poison-Oak Solution, Solution of Iron of Magnesia Peptonate, Talcum Powder, Preparation for Treatment of Asthma, Wine of Beef and Iron (Tonic); Borotans, an Antiseptic Astringent; Vaginal Suppositories, Aromatic Cascara Laxative, Eucalyptus Menthol and Honey, Catarrh Remedy, Aromatic Castor Oil, Corn Paint, Chilblain Remedy, Borated Antiseptic Solution Thymolated, Elixir Gentian Glycerinated, Cod-Liver Oil with Hypophosphites; Elixir Iron Phosphate, Quinine, and Strychnine; Chest Oil Used for Relief of Soreness and Congestion, Elixir Glycerophosphates, Tonic Hypophosphite Sirup, Flea Poison, Hat Dye, Hat Bleach, Sirup Trifolium Compound, Kidney and Liver Tea, Penetrating Liniment, Insect Powder, Calcined Magnesia; Buchu, Juniper, Uva Ursi Compound; Mentholyptine, Blood Sirup, Kidney and Liver Medicine, Soda Bicarbonate, Antiseptic Powder, Capsules of Olive Oil for Medicinal Use; Liquid Tooth Wash, and Aspirin Tablets.
Claims use since Jan. 16, 1900.

Ser. No. 166,431. (CLASS 12. CONSTRUCTION MATERIALS.) BIRMINGHAM CLAY PRODUCTS CO., Birmingham and Sibleyville, Ala. Filed July 3, 1922.

RADIO MATT BRICK

No claim is made to the words "Matt Brick" apart from the mark as shown.
Particular description of goods.—Face Brick.
Claims use since May 22, 1922.

Ser. No. 167,173. (CLASS 32. FURNITURE AND UPHOLSTERY.) GOLD FURNITURE COMPANY, Chicago, Ill. Filed July 21, 1922.



No claim made to the words "Sanitized," "Upholstered Furniture," and "Lasts Longer" apart from the mark shown. The applicant reserves all common-law rights to the mark as used.
Particular description of goods.—Living-Room Furniture—to wit, Rocking-Chairs, Armchairs, and Wing or Fireside Chairs.
Claims use since June 15, 1922.

Ser. No. 167,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed July 24, 1922.

Rose-Dale

Particular description of goods.—Dried Beef.
Claims use since August, 1913.

Ser. No. 167,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AYER & MCKINNEY, a co-partnership, Philadelphia, Pa. Filed July 29, 1922.

MERIDALE



Particular description of goods.—Powdered Milk.
Claims use since March, 1918.

Ser. No. 167,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEMENT-REA CO., INC., Terre Haute, Ind. Filed Aug. 2, 1922.

KEYSTONE





Particular description of goods.—Canned Tomatoes, Canned Cherries, Roasted Coffee, Canned Pumpkin, Canned Pineapple, Canned Pitted Red Cherries, Canned Red Salmon, Canned Evaporated Milk, Canned Kidney Beans, Canned Spinach, Canned Oysters, Canned Kraut, Canned Corn, Canned Hominy, Canned Peaches.
Claims use since Jan. 1, 1883.

Ser. No. 167,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH F. MALATESTA, Boston, Mass. Filed Aug. 2, 1922.



Particular description of goods.—Olive Oil.
Claims use since 1907.

Ser. No. 167,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EXCELLO HEALTH BREAD CO., Los Angeles, Calif. Filed Aug. 4, 1922.

Ex-cell-O

Particular description of goods.—Bread and Biscuits.
Claims use since Apr. 1, 1921.

Ser. No. 168,876. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EDUCATIONAL FILM EXCHANGES, INC., New York, N. Y. Filed Aug. 30, 1922.

CameO
CLEAN CUT COMEDIES

Applicant without waiving any common-law rights, and for the purposes of this registration only, hereby disclaims the exclusive right to the use of the word "Comedies" except as used in connection with the other features of the mark shown by the drawing.
Particular description of goods.—Motion-Picture Films and Films Used For Stereopticon Projections.
Claims use since June 11, 1921.

Ser. No. 169,202. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CRESCENT BELT FASTENER COMPANY, New York, N. Y. Filed Sept. 8, 1922.

Crescent

Particular description of goods.—Belt-Fastening Plates, Metallic Lacing, Wire, Coupling, Links, Studs, Hooks, Clips, Clamps, Buttons, Nuts, Staples, Bolts, and Hinges.
Claims use since September, 1897.

Ser. No. 169,484. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HYDROGRAVURE COMPANY, now by change of name Aquatone Corporation, New York, N. Y. Filed Sept. 15, 1922.

AQUATONE

Particular description of goods.—Printing Plates Finished and Partly Finished.
Claims use since Sept. 7, 1922.

Ser. No. 169,591. (CLASS 39. CLOTHING.) GREENEBAUM, WEIL & MICHELS, San Francisco, Calif. Filed Sept. 18, 1922.

CROWN

"Crown."
Particular description of goods.—Pyjamas, Nightshirts, Nightrobes, Sleeping Garments, Commercially Known as Sleepers, Coats, Vests, Overcoats, and Men's, Women's, and Children's Underwear of Knitted and Textile Fabrics.
Claims use since 1871.

Ser. No. 169,661. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. W. WILSON CO. INC., San Antonio, Tex. Filed Sept. 18, 1922.

SUGARLAND

Particular description of goods.—Canned Vegetables—viz, Tomatoes, Sauerkraut, Corn, Stringless Beans, Peas; Canned Fruits—viz, Peaches; and Preserved Fruit—viz, Strawberry and Peach.
Claims use since Sept. 6, 1921.

Ser. No. 169,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. D. MILLIGAN GROCER CO., Springfield, Mo. Filed Sept. 20, 1922.



Particular description of goods.—Canned Vegetables.
Claims use since March, 1921.

Ser. No. 170,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KABUSHIKI KAISHA SUZUKI SHOTEN, Kyobashi-Ku, Tokyo, Japan. Filed Oct. 4, 1922.

素の味

The Japanese characters shown on the drawing, translated into English, are "The Element of Taste."
Particular description of goods.—Seasonings for Food-Flavoring Purposes.
Claims use since 1909.

Ser. No. 170,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KABUSHIKI KAISHA SUZUKI SHOTEN, Kyobashi-Ku, Tokyo, Japan. Filed Oct. 4, 1922.

"AJINOMOTO"

The Japanese phrase "Aji-No-Moto" translated into English reads "The source of flavor."
Particular description of goods.—Seasoning Powder.
Claims use since 1913.

Ser. No. 170,404. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Oct. 6, 1922.

RUE – SUEDE

No claim is made to the word "Suede" apart from the mark as used.
Particular description of goods.—Leather.
Claims use since Sept. 1, 1922.

Ser. No. 170,405. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Oct. 6, 1922.

RUE – BUCK

No claim is made to the word "Buck" apart from the mark as used.
Particular description of goods.—Leather.
Claims use since Sept. 1, 1922.

Ser. No. 170,639. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GOLDENBERG'S, Washington, D. C. Filed Oct. 12, 1922.

SMART SET

Particular description of goods.—Braids, Tapes, Bindings, Needles, Toilet Pins, Safety Pins, Wire and Bone Hairpins; Ivory, Bone, Rubber, and Base-Metal Buttons; Hooks and Eyes, Collar Stays, and Ruchings.
Claims use since Mar. 1, 1922.

Ser. No. 170,756. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DON M. DICKINSON, Detroit, Mich. Filed Oct. 16, 1922.

SUMERIAN

Particular description of goods.—Shaving Cream in the Form of Soap Paste.
Claims use since about June 1, 1922.

Ser. No. 170,981. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Oct. 20, 1922.

CHOC-O-MEL

Particular description of goods.—Flavoring Preparation for Food Products.
Claims use since Feb. 1, 1922.

Ser. No. 171,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CORBY BAKING COMPANY, Washington, D. C. Filed Oct. 24, 1922.



No claim is made to the word "Bread" or to the matter reading "Pure as Mother Made It Net Weight 1 Lb." apart from the mark as shown.
Particular description of goods.—Bread.
Claims use since 1898.

Ser. No. 172,130. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) STRATTON & CO. LIMITED, Birmingham, England. Filed Nov. 16, 1922.

STRATNOID

Particular description of goods.—Knitting Pins, Toilet Pins, Hatpins, Tie Pins, Buttonhooks, Crochet Hooks, Thimbles, Shirt and Sleeve Links, Girdles, Trinket Stands and Receptacles, Brooches, Match-Box Cases, Serviette Rings, and Flower Vases, All Being Made of Precious Metal or Imitation Precious Metal.
Claims use since July 28, 1916.

Ser. No. 172,352. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMILLER CO., New York, N. Y. Filed Nov. 21, 1922.

BILLET DOUX

Particular description of goods.—Soap.
Claims use since Nov. 1, 1922.

Ser. No. 173,012. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAROLD G. STILES, Chicago, Ill. Filed Dec. 6, 1922.

TONHUSTLER

Particular description of goods.—Automobile Trucks.
Claims use since Nov. 28, 1922.

Ser. No. 173,324. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EASTON ORANGE JUICE COMPANY, Oakland, Calif. Filed Dec. 14, 1922.

FIFTY-FIFTY

Particular description of goods.—Fruit Juices for Preparing Soft Drinks.
Claims use since Oct. 21, 1921.

Ser. No. 173,440. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SAMUEL POTOLSKY, doing business as Atlantic Leather Goods Co., New York, N. Y. Filed Dec. 16, 1922.



No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Baseballs, Fielder Gloves, Catcher Mitts, Baseman Mitts, Baseball Bats, Boxing Gloves, Basket Balls; Footballs, Rugby; Soccer Balls, Striking Bags, Dice, and Dice Cups.
Claims use since 1921.

Ser. No. 173,834. (CLASS 39. CLOTHING.) KNITFIRM, INC., New York, N. Y. Filed Dec. 26, 1922.



Knitfirm Inc.

Without relinquishing or forfeiting any of its common-law rights in its name and solely for the purpose of technical trade-mark registration applicant disclaims the right to the exclusive use of the words "Knitfirm, Inc." apart from the trade-mark shown in the drawing.
Particular description of goods.—Knit Goods for Infants, Children, and Misses, Comprising Bootees, Sacks,

Hoods, Mittens, Leggings, Sweaters, Caps, Toques, Tams, Infants' Carriage Robes, Bathing Suits, Gloves, Capes, Scarfs, Scarf Sets Consisting of Tam and Scarf to Match; Sweater Sets Consisting of Sweater, Leggings, Cap, and Mittens.
Claims use since Dec. 18, 1922.

Ser. No. 173,853. (CLASS 17. TOBACCO PRODUCTS.) THE PINKERTON TOBACCO CO., Toledo, Ohio. Filed Dec. 26, 1922.



Particular description of goods.—Smoking and Chewing Tobacco and Cigarettes.
Claims use since about November, 1919.

Ser. No. 173,893. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LANSBURGH & BRO., INC., Washington, D. C. Filed Dec. 27, 1922. Under ten-year proviso.

Lansburgh & Bro.

Particular description of goods.—Braids, Tapes, Bindings, Needles, Toilet Pins, Safety Pins, Wire and Bone Hairpins; Ivory, Bone, Rubber, and Base-Metal Buttons; Hooks and Eyes, Collar Stays, and Ruchings.
Claims use since 1860.

Ser. No. 174,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

HELLER'S
FANCY-PASTRY
REG. U.S. PAT. OFF.



PUDDING
POWDER

The picture of chef shown on drawing is fanciful. The words "Fancy" and "Pastry" are hereby disclaimed apart from the mark as shown, the applicant, however, expressly reserving any common-law or statutory rights it may have in or to said words when used in the manner shown in the mark. The surname "Heller's" is hereby disclaimed apart from the mark as shown and apart from applicant's common-law rights in and to said surname.
Particular description of goods.—Dry Powder Preparation for Use in Making Puddings, Cake Fillings, Eclair Fillings, Cake-Roll Fillings, and Pie Fillings.
Claims use since March, 1922.

Ser. No. 174,533. (CLASS 39. CLOTHING.) SOVEREIGN SHIRT CO. INC., New York, N. Y. Filed Jan. 12, 1923.



Particular description of goods.—Men's Dress Shirts.
Claims use since Dec. 6, 1922.

Ser. No. 174,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAY BELL DARLING, doing business as Dardo Company, Wichita, Kans. Filed Jan. 22, 1923.



DARDO

The portrait shown is fanciful.
Particular description of goods.—Pharmaceutical Preparations to be Used As a Medicine for the Treatment of Goiter.
Claims use since Dec. 26, 1922.

Ser. No. 175,200. (CLASS 39. CLOTHING.) Mrs. JACOB A. KLINGER, doing business as The New Leader, New Orleans, La. Filed Jan. 27, 1923.



The picture is merely fanciful. The words "Stylish Stouts" are disclaimed apart from the mark shown.

Particular description of goods.—Ladies' Coats, Suits, Dresses, Hosiery, and Waists.

Claims use since Oct. 6, 1922.

Ser. No. 175,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANN E. HARWELL, doing business as Harwell Laboratories, Fort Worth, Tex. Filed Feb. 10, 1923.

Madame Ann



Particular description of goods.—Hair Tonic.

Claims use since Mar. 26, 1920.

Ser. No. 176,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN CITY MILL COMPANY INC., Chattanooga, Tenn. Filed Feb. 28, 1923.

ARROWHEAD

Particular description of goods.—Corn Grits.

Claims use since January, 1923.

Ser. No. 177,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOURNAY, INC., Milwaukee, Wis. Filed Mar. 10, 1923.

VIVANTE

Particular description of goods.—Rouge, Cold Cream, Lip Stick, Toilet Water, Talcum Powder, Face Powder.

Claims use since Mar. 6, 1923.

Ser. No. 177,239. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR ALLAN MOSS, Marion, Ind. Filed Mar. 10, 1923.

OWL-LAFFS



Particular description of goods.—Newspaper Columns.

Claims use since Oct. 9, 1922.

Ser. No. 177,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOSABURO TATSUKAWA, doing business as Ono Trading Co., San Francisco, Calif. Filed Mar. 17, 1923.



No claim is made to the word "Brand" and to the words "Packed for," "Fancy Crab," and "San Francisco, U. S. A." apart from the mark as shown on the drawing. The lines on the drawing indicate colors, the flag being lined to indicate blue, and the crab being lined to indicate red.

Particular description of goods.—Canned Crabs.

Claims use since May, 1918.

Ser. No. 178,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGUERITE SULLIVAN, Philadelphia, Pa., assignor to Eugene J. Reefer, and said Marguerite Sullivan, copartners, trading as Domino House, Philadelphia, Pa. Filed Mar. 30, 1923.

DOMINO

Particular description of goods.—Wrinkle Cream.

Claims use since Feb. 1, 1923.

Ser. No. 178,836. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. GEDNEY COMPANY, Minneapolis, Minn. Filed Apr. 9, 1923.

DIXIE SPLITS

Particular description of goods.—Sweet Pickles.

Claims use since Jan. 2, 1920.

Ser. No. 179,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPBELL COMPANY, Boston, Mass. Filed Apr. 12, 1923.

PINEORANGE

Particular description of goods.—Fruit Combinations and Concentrated Fruit Sirups for Food Purposes Only.

Claims use since June 14, 1922.

Ser. No. 179,028. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPBELL COMPANY, Boston, Mass. Filed Apr. 12, 1923.

PINELEMON

Particular description of goods.—Fruit Combination and Concentrated Fruit Sirups for Food Purposes Only.

Claims use since July 1, 1922.

Ser. No. 179,737. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. P. MILLER, doing business as Nu Vim Medicine Co., Port Gibson, Miss. Filed Apr. 26, 1923.

NU VIM

Particular description of goods.—Medicinal Preparation in the Nature of Liver, Kidney, and Blood Tonic.

Claims use since Jan. 1, 1923.

Ser. No. 179,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. W. BERENGHER, New Orleans, La. Filed Apr. 27, 1923.



Particular description of goods.—Dried Beans, Peas, Lentils, Garbanzos (Chick Peas).

Claims use since Jan. 4, 1922.

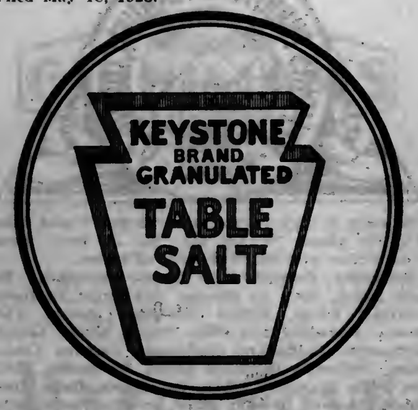
Ser. No. 179,786. (CLASS 39. CLOTHING.) M. FINK & SONS, New York, N. Y. Filed Apr. 27, 1923.

BlackPrince

Particular description of goods.—Work Shirts.

Claims use since Jan. 2, 1923.

Ser. No. 180,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALEX. KERR BROTHER & CO. INC., Philadelphia, Pa. Filed May 18, 1923.



The shading on the drawing is to indicate the conventional color red. No claim is made for the words "Bran Granulated Table Salt" apart from the mark as shown.

Particular description of goods.—Salt.

Claims use since Aug. 1, 1921.

Ser. No. 180,312. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 21, 1923.

HAMMER

Particular description of goods.—Hose Composed of Rubber and Fabric.
Claims use since about Apr. 1, 1923.

Ser. No. 181,584. (CLASS 39. CLOTHING.) GRANADA KNIT MILLS, San Francisco, Calif. Filed June 5, 1923.



GRANADA

No claim is made to the exclusive use of the word "Granada" apart from the mark as shown.
Particular description of goods.—Knitted Goods Comprising Men's, Ladies', Children's, and Infants' Sweaters, Scarfs, Bathing Suits, Dresses, and Hats.
Claims use since May 8, 1923.

Ser. No. 181,839. (CLASS 32. FURNITURE AND UPHOLSTERY.) MEMPHIS FURNITURE MANUFACTURING COMPANY, Memphis, Tenn. Filed June 11, 1923.



No claim is made to the words "Memphis" and "Line", or to the phrase "Stands the Test of Time" except in connection with the trade-mark as shown.
Particular description of goods.—Bedsteads, Bedroom Suites, Seats or Benches, Box-Spring Mattresses, Breakfast Suites, Buffets, Bureaus, Cabinets, China Closets, Household and Office Chairs, Chaise Lounges, Chiffonettes, Chiffoniers, Chifforobes, Couches, Cradles, Cribs, Cupboards, Davenette Suites, Davenettes, Davenport Beds, Davenport Tables, Davenports, Desks, Dressers, Dressing Tables, Dressing-Table Benches, Dining-Room Suites, Kitchen Cabinets, Kitchen Safes, Living-Room Suites, Lounges, Mattresses, Parlor Suites, Porch Furniture, Rockers, Library Suites, Silver Closets, Serving Tables, Sofas, Sofa Beds, Stools, Couch Swings, Tables, Wardrobes, and Washstands.
Claims use since about Jan. 1, 1923.

Ser. No. 181,875. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) VULCALYNE CO., Los Angeles, Calif. Filed June 11, 1923.

VULCALYNE

Particular description of goods.—Composition of Matter for Metal-Coating Rubber.
Claims use since Apr. 1, 1922.

Ser. No. 181,927. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIEBOLAGET NORDSJOMAKRILL, Gottenborg, Sweden. Filed June 13, 1923.



The words "North Sea Mackerel," "Brand," "Gothenburg, Sweden" and "Prima Fat" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Salted Mackerel.
Claims use since 1922.

Ser. No. 182,166. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) C. W. MCCLURE, Atlanta, Ga. Filed June 18, 1923.

TEN-CENT-TERIA

Particular description of goods.—Notions and Fancy Goods, Foreign and Domestic—Namely, Barrettes, Buttons, Beads (Trimming), Braids, Buttonhooks, Corset Laces, Dress Snaps, Darning Eggs, Embroidery Hooks, Hooks and Eyes; and Hairpins, Hair Combs, Hair Curlers, Hair-Bow Fasteners (of Nonprecious Metals); Middy Laces; Millinery—Namely, Flowers, Feathers, Velvet and Ribbon Ornaments; Hand Sewing, Crochet, and Knitting Needles; Negro Hair Goods—Namely, Transformations, Bangs, Switches, Chatelaine Braids; Shoe Laces, Stamped Pieces (for Embroidery), Shoe Horns, Tatting Shuttles, Thimbles (of Nonprecious Metals); Toilet Articles—Namely, Combs, Fancy Hair Combs, Back Combs, Side Combs, Band Combs, and Dress Combs (of Nonmetallic Metals); and Toilet and Safety Pins (of Nonprecious Metals).
Claims use since May 31, 1923.

Ser. No. 182,167. (CLASS 33. GLASSWARE.) C. W. MCCLURE, Atlanta, Ga. Filed June 18, 1923.

TEN-CENT-TERIA

Particular description of goods.—Table Glassware, Plain and Decorated; Fancy Glassware for Ornamental Purposes, Fruit Jars Made of Glass, Glass Lamp Chimneys, Glass Vases, Glass Tumblers, and Glass Vinegar Cruets.
Claims use since May 31, 1923.

Ser. No. 182,434. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 25, 1923.

SEAFOAM

Particular description of goods.—Biscuits, Crackers, Wafers, Cookies, and Cakes.
Claims use since about 1879.

Ser. No. 182,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. MALCOLM SMITH, Jr., doing business as The Sea-Ease Co., Tampa, Fla. Filed June 25, 1923.

SEA-EASE

Particular description of goods.—Preparation for Sea and Car Sickness, a Hyosine Combination.
Claims use since Mar. 1, 1922.

Ser. No. 182,463. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. & J. BEAL, Sheffield, England. Filed June 26, 1923. Under ten-year proviso.



JOS^H BEAL & SONS
VVR
SHEFFIELD.

Particular description of goods.—Butchers' Knives, Cane Knives, Machetes, Steel Table Knives, Pocketknives, Shears, and Files.
Claims use since Feb. 11, 1871.

Ser. No. 182,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANDHILL FRUIT GROWERS ASSOCIATION, Aberdeen, N. C. Filed June 29, 1923.

SANDHILL



Particular description of goods.—Fresh Deciduous Fruit—Namely, Peaches and Apples.
Claims use since June 6, 1923.

Ser. No. 182,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 5, 1923.

DEFIANCE

Particular description of goods.—Wheat Flour.
Claims use since 1899.

Ser. No. 182,[illegible]. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SON, INC., New York, N. Y. Filed July 7, 1923.

GOODMAN'S

Particular description of goods.—Alimentary Paste Products and Matzoths.
Claims use since June 11, 1923.

Ser. No. 183,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 10, 1923.

BALSAMINE

Particular description of goods.—Wheat Flour
Claims use since 1902

Ser. No. 183,075. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MASON TIRE & RUBBER COMPANY, Kent, Ohio. Filed July 11, 1923.

SAFTY◇FIRST

No claim is made to the exclusive use of "Safety First" except in association with the mark as shown.
Particular description of goods.—Rubber-Tire Casings.
Claims use since June 27, 1923.

Ser. No. 183,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN CRAMPTON & CO., LTD., Manchester, England. Filed July 16, 1923.

GOLDEN ORB

Particular description of goods.—Canned Fruit, Canned Fish, Canned Vegetables.
Claims use since July 18, 1919.

Ser. No. 183,284. (CLASS 30. CLOTHING.) HAMILTON-BROWN SHOE CO., St. Louis, Mo. Filed July 16, 1923.

Sunlight

Particular description of goods.—Women's Boots and Shoes Made of Leather or Cloth.
Claims use since June, 1922.

Ser. No. 183,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EAGLE REMEDY COMPANY, San Antonio, Tex. Filed July 18, 1923.

KALTEK

Particular description of goods.—General Tonic.
Claims use since Sept. 1, 1922.

Ser. No. 183,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed July 18, 1923.

HELLER'S
FANCY-PASTRY
REG. U.S. PAT. OFF.



DESSERT
POWDER

Applicant disclaims any exclusive right to the words "Dessert" and "Powder," "Fancy," and "Pastry" except when used as shown in mark presented, applicant, however, expressly reserving unto itself any common-law rights it may have to said words. The word "Heller's," the phrase "Reg. U. S. Pat. Off.," and the pictorial representation of a pie and a cake are hereby disclaimed apart from the other features of the mark. The picture used in illustration is fanciful.
Particular description of goods.—Dry Powder Preparation for Use in Making Puddings, Cake Fillings, Eclair Fillings, Cake-Roll Fillings, Pie Fillings, and Desserts.
Claims use since April, 1923.

Ser. No. 183,495. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923.



The words "Paris, France" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since 1879.

Ser. No. 183,497. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed July 20, 1923.

SOCIÉTÉ HYGIÉNIQUE PARIS
Cottan



The words "Paris, France" are disclaimed apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since 1879.

Ser. No. 183,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE URBAN MILLING COMPANY, Buffalo, N. Y. Filed July 20, 1923.

VITALET

Particular description of goods.—Cereal Breakfast Food.
Claims use since May 3, 1923.

Ser. No. 183,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS KLEINMMAN, doing business as Oma Mfg. Co., New York, N. Y. Filed July 23, 1923.

OMA

Particular description of goods.—Custard Thickener.
Claims use since March, 1920.

Ser. No. 183,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CITY CANNING CO., Iowa City, Iowa. Filed July 26, 1923.

WIDE AWAKE

Particular description of goods.—Canned Corn.
Claims use since 1912.

Ser. No. 183,798. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed July 28, 1923.

True to Life Stories

Particular description of goods.—Monthly Magazines.
Claims use since July 23, 1923.

Ser. No. 183,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE WYCKOFF CUMMINS, Belvidere, N. J. Filed July 30, 1923.

Guardettes

Particular description of goods.—Medicinal Tablets and Pills for the Treatment of Constipation and Indigestion.
Claims use since July 1, 1923.

Ser. No. 183,929. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Aug. 1, 1923.

True Tales

Particular description of goods.—Monthly Magazine.
Claims use since July 23, 1923.

Ser. No. 183,930. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Aug. 1, 1923.

TRUE
Experiences

Particular description of goods.—Monthly Magazines.
Claims use since July 23, 1923.

Ser. No. 183,953. (CLASS 32. FURNITURE AND UPHOLSTERY.) WILLIAM D. WRIGHT, Boston, Mass. Filed Aug. 1, 1923.

Beauty Barometer

Particular description of goods.—Pair of Mirrors, One Being a Concave Mirror Inclosed in a Case.
Claims use since June 1, 1923.

Ser. No. 183,975. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Filed Aug. 2, 1923.



No claim is made to the words "Trade Mark" or "Shoes for Boys and for Girls" apart from the mark shown on the drawing.
Particular description of goods.—Leather Boots and Shoes and Slippers.
Claims use since about June 27, 1923.

Ser. No. 184,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC STORES CORPORATION, Memphis, Tenn. Filed Aug. 4, 1923.

ATKINS SUPERIOR



The word "Superior" is disclaimed as a part of the trade-mark.
Particular description of goods.—Pepper, Spices, Ginger, Mustard, Nutmeg, Celery Seed, Turmeric, Cloves, Sage, Allspice, Cinnamon, Flavoring Extracts for Foods, and Imitation Flavoring Extracts for Foods.
Claims use since about Mar. 1, 1923.

Ser. No. 184,116. (CLASS 37. PAPER AND STATIONERY.) CAPITAL CITY PAPER CO., Springfield, Ill., assignor to Springfield Paper Company, a Corporation of Illinois. Filed Aug. 6, 1923.

SPRINGFIELD



SPECIAL

Particular description of goods.—Writing Tablets and Notebooks of All Grades and Designs of Paper and Stationery.
Claims use since Jan. 1, 1910.

Ser. No. 184,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB DOLD PACKING CO., Buffalo, N. Y. Filed Aug. 6, 1923.



Particular description of goods.—Cuts of Meats Known as Smoked, Boneless Butts.
Claims use since on or about Apr. 23, 1923.

Ser No. 184,139. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYON & HEALY, INC., Chicago, Ill. Filed Aug. 6, 1923.

Saxoslide

Particular description of goods.—Saxophones.
Claims use since July 7, 1923.

Ser. No. 184,143. (CLASS 39. CLOTHING.) THE NICHOLS UNDERWEAR CORPORATION, Bridgeport, Conn. Filed Aug. 6, 1923.

Clio

Particular description of goods.—Corsets, Brassières, Combination Corsets and Brassières, Skirts, Corset Covers, Corset Waists, Combination Waists and Skirts, Combination Waists and Drawers, Nightgowns, Combination Corset Covers and Drawers, Combination Corset Covers and Skirts, Bloomers, Princess Slips, Knickerbockers, Pyjamas, and Rompers.
Claims use since on or about Jan. 1, 1890.

Ser. No. 184,339. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Aug. 11, 1923.

FELTRITE

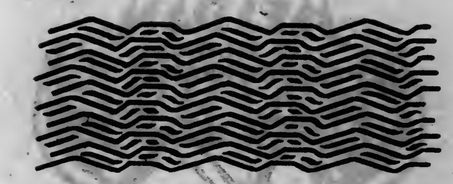
Particular description of goods.—Men's, Women's, and Children's Felt Shoes and Slippers.
Claims use since June 20, 1923.

Ser. No. 184,462. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Roberts, Johnson, and Rand Company, St. Louis, Mo. Filed Aug. 14, 1923.

MAYFLOWER

Particular description of goods.—Women's Shoes of Leather.
Claims use since 1900.

Ser. No. 184,483. (CLASS 37. PAPER AND STATIONERY.) THE UNION LITHOGRAPH CO., INC., San Francisco and Los Angeles, Calif. Filed Aug. 14, 1923.



Particular description of goods.—Safety Papers.
Claims use since Sept. 1, 1921.

Ser. No. 184,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEODORE GOODMAN, Schenectady, N. Y. Filed Aug. 20, 1923.



Particular description of goods.—Bread.
Claims use since Apr. 1, 1922.

Ser. No. 184,745. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARDNER H. NARBONNE, doing business as Narbonne Ranch, Thermal, Calif. Filed Aug. 20, 1923.



Particular description of goods.—Fresh, Dried, and Cured Dates.
Claims use since Nov. 18, 1921.

Ser. No. 184,760. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. RAUH & SONS FERTILIZER COMPANY, Indianapolis, Ind. Filed Aug. 20, 1923.



Particular description of goods.—Meat Meal, Meat Scraps, Blood Meal, and Tankage for Poultry and Hog Feed Preparations.
Claims use since Aug. 6, 1923.

Ser. No. 184,806. (CLASS 12. CONSTRUCTION MATERIALS.) TROPICAL ROOF PRODUCTS CO., Jacksonville, Fla. Filed Aug. 21, 1923.



Applicant disclaims use of the words "Liquid and Plastic" apart from the mark shown in the drawing.
Particular description of goods.—Preservative Asphalt Composition Roofing and Surfaces.
Claims use since Dec. 12, 1922.

Ser. No. 184,994. (CLASS 39. CLOTHING.) ALBERT I. STRAUS, also doing business as "Alis Shop," Louisville, Ky.; Lima, Findlay, and Springfield, Ohio; and Marion, Ind. Filed Aug. 25, 1923.

JANE PETITE
FROM THE
ALIS SHOP

Particular description of goods.—Ladies,' Misses,' and Children's Hosiery, Silk Underwear, Cotton Underwear, Corsets, Brassières, Coats, Suits, Capes, Gloves, Riding Costumes, Dresses, Furs, Shirt Waists, Middy Blouses, Petticoats, Knickers, Dress Skirts, Sweaters, Bathing Suits, Silk Scarfs, Wool Scarfs, Cotton Scarfs, and Aprons.
Claims use since January, 1923.

Ser. No. 185,142. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Aug. 29, 1923.



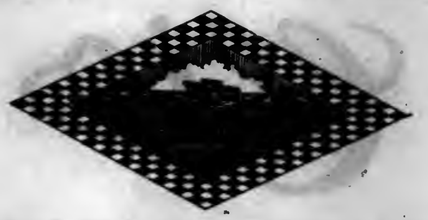
No claim is made to the word "Paris" appearing on the drawing apart from the mark shown.
Particular description of goods.—Soaps in Cake Form, Soap Paste, and Soap Powders.
Claims use since Jan. 23, 1911.

Ser. No. 185,213. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL MANUFACTURING COMPANY, Columbus, Ohio, assignor to Leo R. Yeager, Columbus, Ohio. Filed Aug. 31, 1923.

Tilt-O-Lite

Particular description of goods.—Electrically-Operated Reflectors for Light-Projecting Devices.
Claims use since Apr. 1, 1923.

Ser. No. 185,219. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Aug. 31, 1923.



Particular description of goods.—Automobile Accessories—Namely, Metal Frames for Holding Glass in Curtains; Glare Shields, Latter Being a Metal Bracket Adjustably Supporting Tinted Glass to Neutralize the Glare from Approaching Headlights.
Claims use since July 7, 1923.

Ser. No. 185,280. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HUBTY-PECK & COMPANY, Indianapolis, Ind. Filed Sept. 1, 1923.

NO-KO

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Aug. 6, 1923.

Ser. No. 185,326. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) J. H. MACDOUGALL, doing business as Worcester Malt and Hops Company, Worcester, Mass. Filed Sept. 4, 1923.

TRI-MAC

"Tri-Mac."
Particular description of goods.—Malt Beverages and Compounds for Producing the Same.
Claims use since about May 1, 1923.

Ser. No. 185,521. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HERMAN H. HELMICK, Minneapolis, Minn. Filed Sept. 8, 1923.



Particular description of goods.—Oil Burners.
Claims use since July 31, 1923.

Ser. No. 185,750. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL MANUFACTURING COMPANY, Columbus, Ohio, assignor to Leo R. Yeager, Columbus, Ohio. Filed Sept. 13, 1923.



No claim is made to the exclusive representation of the goods apart from the mark as shown.
Particular description of goods.—Electrically-Operated Tilting Reflectors for Light-Projecting Devices.
Claims use since Apr. 1, 1923.

Ser. No. 185,798. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENNARO SPARANO, doing business as Dr. G. Sparano Pharmacal Co., Philadelphia, Pa. Filed Sept. 14, 1923.



Particular description of goods.—Tonic for General Building Up of System.
Claims use since June 19, 1923.

Ser. No. 185,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAVANGER PRESERVING CO. A/S, Stavanger, Norway. Filed Sept. 14, 1923.

KIPRINES

Particular description of goods.—Canned and Preserved Fish.
Claims use since Mar. 27, 1913.

Ser. No. 185,819. (CLASS 39. CLOTHING.) CUB KNITTING MILLS, Malden, Mass. Filed Sept. 15, 1923.

COVERS CUB EST

Particular description of goods.—Men's, Women's, Boys' and Girls', and Infants' Sweaters.
Claims use since Sept. 1, 1923.

Ser. No. 185,827. (CLASS 37. PAPER AND STATIONERY.) HERMET G. M. B. H., Cologne, Germany. Filed Sept. 15, 1923.

Hermetos

Particular description of goods.—Moistening Devices.
Claims use since May, 1921.

Ser. No. 185,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CECIL MCKINNEY, doing business as Sanitary Health Sponge Co., Paris, Ill. Filed Sept. 17, 1923.

Prevento

Particular description of goods.—Deodorant.
Claims use since 1911.

Ser. No. 185,876. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PEABODY COAL COMPANY, Chicago, Ill. Filed Sept. 17, 1923.

BLACK ARROW

Particular description of goods.—Coal.
Claims use since Aug. 25, 1923.

Ser. No. 185,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PURITAN CHOCOLATE COMPANY, Cincinnati, Ohio. Filed Sept. 19, 1923.

SILVER SHOWERS

Particular description of goods.—Candy.
Claims use since Aug. 15, 1923.

Ser. No. 186,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Sept. 24, 1923.

Blue Ribbon

Particular description of goods.—Meat, Meal, Dried Blood, and Raw Bone for Feeding.
Claims use since November, 1913.

Ser. No. 186,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN D. HAMILTON, Tacoma, Wash. Filed Sept. 24, 1923.



HAMILTON'S

The portrait shown in the drawing is merely fanciful.
Particular description of goods.—Candy and Ice-Cream Bars.
Claims use since May 1, 1923.

Ser. No. 186,371. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Sept. 29, 1923.

SPORTHUE

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Mar. 1, 1922.

Ser. No. 186,394. (CLASS 38. PRINTS AND PUBLICATIONS.) STEUBEN SOCIETY OF AMERICA, New York, N. Y. Filed Sept. 29, 1923.



Particular description of goods.—Bulletin Issued Bimonthly and Pamphlets Issued at Irregular Intervals.
Claims use since May, 1919.

Ser. No. 186,433. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THOMAS J. MARTIN, doing business as Marcellette Manufacturing Co., New York, N. Y. Filed Oct. 1, 1923.

Marcell Ette

Particular description of goods.—Electrically-Heated Hair Waving and Curling Apparatus.
Claims use since Aug. 28, 1923.

Ser. No. 186,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 2, 1923.

Forest

Particular description of goods.—Canned Fruits, Dried Fruits, and Canned Fish.
Claims use since 1917.

Ser. No. 186,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O. F. ZURN COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 3, 1923.

QUAKER
SILK
OIL

No claim being made to the exclusive use of the words "Silk" and "Oil" apart from association with the word "Quaker."
Particular description of goods.—Oils for Lubricating Yarns Used in the Knitting Art for Emulsionizing Yarns or the Finished Products.
Claims use since Nov. 27, 1922.

Ser. No. 186,566. (CLASS 38. PRINTS AND PUBLICATIONS.) ORLANDO ORANGE GROVES COMPANY, INC., Orlando, Fla. Filed Oct. 4, 1923.

Turning the Sunshine into Gold

Particular description of goods.—Booklets Dealing with the Orange-Growing Industry, Issued Biyearly.
Claims use since December, 1922.

Ser. No. 186,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JORDAN F. ASHWORTH, doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Filed Oct. 5, 1923.

ASH-MO

"Ash-Mo."
Particular description of goods.—Preparation for Straightening Hair.
Claims use since Sept. 1, 1923.

Ser. No. 186,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. H. FROHMAN & CO., INC. Chicago, Ill. Filed Oct. 6, 1923.

YANKEE
BREAKFAST

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1923.

Ser. No. 186,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTAGE WHOLESALE GROCERY COMPANY, Portage, Wis. Filed Oct. 6, 1923.



Particular description of goods.—Canned Vegetables, Canned Fruits, Spices, Food-Flavoring Extracts, Coffee, Tea, Canned Fish, Olives, Pickles, Peanut Butter, Catchup, Prepared Mustard, Mincemeat, Fruit Preserves, Starch for Food Purposes.
Claims use since May, 1921.

Ser. No. 186,698. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DIAMOND, MCDONNELL & CO., Philadelphia, Pa. Filed Oct. 8, 1923.

KUTTY

Particular description of goods.—Washing Crystals with Incidental Bluing Properties.
Claims use since Sept. 27, 1923.

Ser. No. 186,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARNATION MILK PRODUCTS COMPANY, Wilmington, Del.; Seattle, Wash., and Oconomowoc, Wis. Filed Oct. 9, 1923.

Carnation

Particular description of goods.—Evaporated Milk.
Claims use since Nov. 1, 1899.

Ser. No. 186,835. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FOOTE & JENKS. Jackson, Mich. Filed Oct. 11, 1923.



The words "Ginger Ale" are disclaimed apart from the mark shown on the drawing. The lining is for shading purposes only.
Particular description of goods.—Ginger Ale.
Claims use since Sept. 1, 1923.

Ser. No. 186,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARNATION MILK PRODUCTS COMPANY, Wilmington, Del.; Seattle, Wash., and Oconomowoc, Wis. Filed Oct. 12, 1923.



Particular description of goods.—Evaporated Milk.
Claims use since Nov. 1, 1899.

Ser. No. 186,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULZE BAKING COMPANY, Chicago, Ill. Filed Oct. 12, 1923.

Bonny

Particular description of goods.—Bread.
Claims use since Sept. 20, 1923.

Ser. No. 186,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE EDWARD BURCHER, doing business as Burcher's Pharmacal Company, Newport News, Va. Filed Oct. 13, 1923.

IRONUX

Particular description of goods.—Medicinal Preparation—Namely, a Tonic for Blood and Liver.
Claims use since July 1, 1915.

Ser. No. 187,088. (CLASS 38. PRINTS AND PUBLICATIONS.) CHICAGO AUTOMOTIVE INSTITUTE, Chicago, Ill. Filed Oct. 17, 1923.

JOB-WAY

Particular description of goods.—Job Tickets for Instruction of Automobile Mechanics.
Claims use since Nov. 1, 1922.

Ser. No. 187,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STACKHOUSE CHEMICAL CORPORATION, Reading, Pa. Filed Oct. 17, 1923.

i-DO

Particular description of goods.—Insecticides, Germicides, Disinfectants, and Deodorants.
Claims use since Feb. 26, 1923.

Ser. No. 187,309. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EUGENE E. GRAVES, doing business as The Round Trip Auto Lug Company, Lincoln, Nebr. Filed Oct. 22, 1923.

ROUND TRIP

Particular description of goods.—Automobile Accessories—Namely, Mud Lugs, Tire Chains, Repair Links, and Clamps for Securing Tire Patches.
Claims use since September, 1923.

Ser. No. 187,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASON BROS. INC., Seattle, Wash. Filed Oct. 22, 1923.



Particular description of goods.—Tea.
Claims use since September, 1921.

Ser. No. 187,392. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SUOMEN OSUUSKAUPPOJEN KESKUSKUNTA r. l., Helsinki, Finland. Filed Oct. 23, 1923.



The lining on said drawing is for the purpose of shading only, and the words "Impregnated Safety Matches" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Safety Matches.
Claims use since Aug. 1, 1923.

Ser. No. 187,398. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WEST BRANCH CO-OPERATIVE SEED GROWERS ASS'N., Williamsport, Pa. Filed Oct. 23, 1923.



No claim is made to the exclusive use of the words "Williamsport, Pa."
Particular description of goods.—Field Seeds.
Claims use since Nov. 1, 1923.

Ser. No. 187,423. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HENDERSON LITHOGRAPHING CO., Norwood, Cincinnati, Ohio. Filed Oct. 24, 1923.

"LASTING IMPRESSIONS"

Particular description of goods.—Completely-Printed Telephone Directories, Wall and Art Calendars, Show Cards, Printed Labels, Menus, Sheet Pictures, Advertising Cards, and Greeting Cards.
Claims use since Oct. 3, 1923.

Ser. No. 187,437. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NARROW FABRIC CO., West Reading, Pa. Filed Oct. 24, 1923.



Particular description of goods.—Woven and Braided Elastics.
Claims use since Oct. 17, 1923.

Ser. No. 187,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM GEORGE PAUXTIS, doing business as The Pax Products Company, Wilkes-Barre, Pa. Filed Oct. 24, 1923.

PAXAL

Particular description of goods.—Medicinal Compounds, More Especially a Liquid Antiseptic and Mouth Wash.
Claims use since Jan. 1, 1923.

Ser. No. 187,445. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AFRICAN & EASTERN TRADING CO., INCORPORATED, New York, N. Y. Filed Oct. 25, 1923.



No claim is made to the word "Flour" apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since October, 1922.

Ser. No. 187,553. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) VAN CAMP HARDWARE & IRON COMPANY, doing business as Ben Hur Bicycle Company, Indianapolis, Ind. Filed Oct. 26, 1923.



Particular description of goods.—Bicycles.
Claims use since Sept. 10, 1890.

Ser. No. 187,553. (CLASS 39. CLOTHING.) WHITALL MANUFACTURING COMPANY, Lowell, Mass. Filed Oct. 26, 1923.

"Chic"

Particular description of goods.—Various Types of Ladies' Knitted and Textile Underwear, Including Corset Covers, Drawers, Nightrobes, Skirts, Chemises, and Dressing Sacks.
Claims use since May, 1896.

Ser. No. 187,595. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, INC., New York, N. Y. Filed Oct. 27, 1923.

Crepe Louise

No claim is made to the word "Crepe" apart from the mark shown in the drawing. No common-law right to the mark or any feature thereof is waived by this disclaimer.
Particular description of goods.—Silk and Cotton Piece Goods.
Claims use since Aug. 1, 1923.

Ser. No. 187,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLARK-LACK GROCER CO., Paducah, Ky. Filed Oct. 29, 1923.

CEL-WEL BRAND SELLS WELL

No claim is made to the words "Brand" and "Sells Well" apart from the mark shown in the drawing.
Particular description of goods.—Corn Flakes, Rolled Oats, Canned Sugar Corn, Canned Tomatoes, Canned Peas, Coffee, Black Pepper, and White Table Sirup.
Claims use since June 1, 1920.

Ser. No. 187,612. (CLASS 39. CLOTHING.) FABRIQUE DE BONNETERIE FINE DE LA MARNE, St. Maur des Fossés, near Paris, France. Filed Oct. 29, 1923.

LES TROIS FLEURS B M

The lining in the drawing indicates the colors light blue, blue, and red.
Particular description of goods.—Hosiery, Fabric and Leather Gloves, Corsets, Knitted Scarfs, Mufflers, Shawls, Capes, Caps, and Tam-o'-Shanters.
Claims use since May 14, 1923.

Ser. No. 187,649. (CLASS 39. CLOTHING.) W. H. TAYLOR, INC., Chicago, Ill. Filed Oct. 29, 1923.

The Taylor Teens

Particular description of goods.—Women's, Misses', and Girls' Suits, Dresses, Waists, Cloaks, Coats, Capes, Knitted and Textile Fabric Underwear, Sweaters, Stockings, and Leather and Fabric Gloves.
Claims use since Aug. 14, 1923.

Ser. No. 187,763. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE NEW ENGLAND MILLS COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

Nemco

Particular description of goods.—Underslung Parts—Namely, a Special Set of Parts for Ford Cars Adapted to Lower the Same About Four Inches, Comprising Shackles, Shackle Bolts, Fittings for Radius Rods, and Spring Clips, Demountable-Wheel Sets, Wheel Sets and Rims, and Curtain Windows.
Claims use since January, 1918.

Ser. No. 187,821. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. KENYON COMPANY, INC., Brooklyn, N. Y. Filed Nov. 1, 1923.

KENWAY

Particular description of goods.—Rubber Tires and Tubes.
Claims use since Oct. 17, 1923.

Ser. No. 187,823. (CLASS 39. CLOTHING.) LA CROSSE CLOTHING COMPANY, La Crosse, Wis. Filed Nov. 1, 1923.

Bing TRADE MARK

The undersigned hereby disclaims any right to the use of the words "Trade Mark" shown in the drawing.
Particular description of goods.—Overalls and Work Shirts and Blouses.
Claims use since June 29, 1923.

Ser. No. 187,837. (CLASS 32. FURNITURE AND UPHOLSTERY.) A. L. RANDALL COMPANY, Chicago, Ill. Filed Nov. 1, 1923.

GOLD BAND

Particular description of goods.—Reed Chairs, Reed Rockers, Reed Settees, Reed Tables, Reed Desks, Reed Desk Chair, Reed Combination Fernery, Reed Chaise Longue, Reed Day Bed, Reed Smoking Stand, and Reed Tea Cart.
Claims use since Oct. 5, 1923.

Ser. No. 187,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES BROTHERS, Atlantic City, N. J. Filed Nov. 2, 1923.

"Cut-to-Fit-the-Mouth"

Particular description of goods.—Candies.
Claims use since on or about June 1, 1910.

Ser. No. 187,877. (CLASS 39. CLOTHING.) OAK KNITTING COMPANY, Syracuse, N. Y. Filed Nov. 2, 1923.

Golf-Tex

Particular description of goods.—Men's, Women's, and Children's Sporting and Sweater Coats.
Claims use since Mar. 1, 1923.

Ser. No. 187,895. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed Nov. 2, 1923.

SPAD

Particular description of goods.—Automobiles of the Commercial Type.
Claims use since on or about Oct. 10, 1923.

Ser. No. 187,984. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CAR DEVICES COMPANY, INCORPORATED, Richmond, Va. Filed Nov. 5, 1923.



Particular description of goods.—Lock Lifts for Railway-Car Couplings and Angle-Cock Holders for Train Pipes for Railway Cars.
Claims use since Oct. 11, 1922.

Ser. No. 188,007. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOOD TRADE PUBLISHING COMPANY, New York, N. Y. Filed Nov. 5, 1923.

Market Service

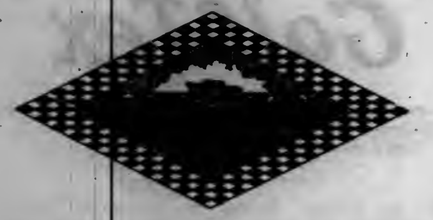
Particular description of goods.—Periodical Publication Published at the Present Time Daily with the Exception of Saturdays, Sundays, and Holidays.
Claims use since Oct. 22, 1923.

Ser. No. 188,015. (CLASS 39. CLOTHING.) KENILWORTH MANUFACTURING CO. INC., New York, N. Y. Filed Nov. 5, 1923.

KENILWORTH

Particular description of goods.—Blouses, Bloomers, Skirts, Knickers, Underbloomers, Overalls, Aprons, and Suits for Males and Females.
Claims use since 1913.

Ser. No. 188,115. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Nov. 8, 1923.



Particular description of goods.—Automobile Accessories—Namely, Windshield Cleaners of the Squeegee Type.
Claims use since July 7, 1923.

Ser. No. 188,116. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. HOLLANDER & SON-ARNHOLD CORPORATION, Middletown, N. Y. Filed Nov. 8, 1923.



No registration rights being claimed for "Near-Seal" apart from the mark shown in the drawing.
Particular description of goods.—Fur Skins.
Claims use since Feb. 4, 1923.

Ser. No. 188,119. (CLASS 39. CLOTHING.) HUNGARIAN RUBBER GOODS FACTORY LIMITED, Budapest, Hungary. Filed Nov. 8, 1923.

TAURUS

Particular description of goods.—Soles and Heels Made of Leather or Caoutchouc.
Claims use since Nov. 6, 1913.

Ser. No. 188,124. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) G. LEVOR & CO., INC., New York, N. Y. Filed Nov. 8, 1923. Under ten-year proviso.

LEVOR

Particular description of goods.—Leathers.
Claims use since 1880.

Ser. No. 188,164. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PIERRE ROBIN, Lyon, France. Filed Nov. 9, 1923.

"FLOX"

Particular description of goods.—Air Compressors for Pneumatic Tires.
Claims use since July 18, 1919.

Ser. No. 188,204. (CLASS 12. CONSTRUCTION MATERIALS.) A. P. GREEN FIRE BRICK CO., Mexico, Mo. Filed Nov. 10, 1923.

KRUZITE

Particular description of goods.—Fire Brick, Special Shapes of Fire Brick, Special-Shaped Arches for Furnaces, Material Ground for Use as Mortar for Laying of Brick in Furnaces, Material in a Burned and Ground-Up Condition to be Used for Laying Up Parts in Furnaces, and Plastic Cement for Use in Furnace Construction.
Claims use since Jan. 29, 1923.

Ser. No. 188,205. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOEFER MANUFACTURING COMPANY, Freeport, Ill. Filed Nov. 10, 1923.

Spinaway

Particular description of goods.—Marine Motors of the Outboard Type.
Claims use since June, 1914.

Ser. No. 188,214. (CLASS 32. FURNITURE AND UPHOLSTERY.) VAUGHN D. MULKEY, doing business as Mulkey Mattress Co., Oakland, Calif. Filed Nov. 10, 1923.



No claim is made to the word "Mattress" apart from the mark shown.
Particular description of goods.—Mattresses.
Claims use since February, 1920.

Ser. No. 188,242. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) F. T. HORTON CO., INC., Hoboken, N. J. Filed Nov. 12, 1923. Under ten-year proviso.



Particular description of goods.—Bird Gravel.
Claims use since Jan. 1, 1894.

Ser. No. 188,346. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED WM. VOGEL, Cumberland, Md. Filed Nov. 14, 1923.



Particular description of goods.—Healing Salve for External Application.
Claims use since 1922.

Ser. No. 188,378. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RENTACAR COMPANY, Toledo, Ohio. Filed Nov. 15, 1923.



No claim is made to the picture of an automobile, apart from the remainder of the mark shown in the drawing.
Particular description of goods.—Automobiles.
Claims use since Aug. 6, 1921.

Ser. No. 188,404. (CLASS 39. CLOTHING.) BAY STATE CORSET COMPANY, Springfield, Mass. Filed Nov. 16, 1923.

NIFTIES

Particular description of goods.—Corset Brassières and Brassières.
Claims use since Sept. 21, 1923.

Ser. No. 188,411. (CLASS 12. CONSTRUCTION MATERIALS.) EDGECUMBE-NEWHAM COMPANY LIMITED, Vancouver, British Columbia, Canada. Filed Nov. 16, 1923.

Edham

KREO-KOLORED

Particular description of goods.—Stained or Colored Shingles.
Claims use since June 5, 1923.

Ser. No. 188,420. (CLASS 39. CLOTHING.) WM. KNOWLTON & SONS, New York, N. Y. Filed Nov. 16, 1923.

MAH-JONG

Particular description of goods.—Ladies' Hats.
Claims use since Oct. 15, 1923.

Ser. No. 188,428. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RESEARCH CLUB, INC., Chicago, Ill. Filed Nov. 16, 1923.

RESEARCH

Particular description of goods.—Soap, Neat's-Foot Compound, Leather Dressing, and Mohair Dressing.
Claims use since Mar. 9, 1923, on soap; since Feb. 25, 1922, on neat's-foot compound; since Mar. 21, 1922, on leather dressing; since Feb. 25, 1922, on mohair dressing.

Ser. No. 188,467. (CLASS 32. FURNITURE AND UPHOLSTERY.) BELLA & COMPANY, Brooklyn, N. Y. Filed Nov. 17, 1923.

RUBY



The picture shown on the drawing is fanciful.
Particular description of goods.—Pillows.
Claims use since Jan. 14, 1922.

Ser. No. 188,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PANZER PACKING COMPANY, Baltimore, Md. Filed Nov. 17, 1923.



The mark is colored red and blue in accordance with the conventional lining for color, as shown.
Particular description of goods.—Pickles.
Claims use since Oct. 6, 1923.

Ser. No. 188,561. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LA PULITA CHEMICAL CO., Scranton, Pa. Filed Nov. 19, 1923.

LA PULITA

Particular description of goods.—Washing Fluid.
Claims use since about Aug. 15, 1923.

Ser. No. 188,563. (CLASS 12. CONSTRUCTION MATERIALS.) MARINE DECKING AND SUPPLY COMPANY, Philadelphia, Pa. Filed Nov. 19, 1923.



Without waiving common-law rights thereto the word "Pre-Tested" is disclaimed apart from the mark as shown.
Particular description of goods.—Stucco.
Claims use since Aug. 6, 1922.

Ser. No. 188,591. (CLASS 11. INKS AND INKING MATERIALS.) J. M. HUBER, INC., Bayonne, N. J., and New York, N. Y. Filed Nov. 20, 1923.



Particular description of goods.—Printing Inks.
Claims use since Sept. 12, 1923.

Ser. No. 188,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH C. KRONENBERG, doing business as Kronenberg's Candies, Spokane, Wash. Filed Nov. 20, 1923.

Kronie

Particular description of goods.—Candy, and Specifically Chocolate Fudge.
Claims use since Oct. 24, 1923.

Ser. No. 188,598. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) R. H. MACY & CO., INC., New York, N. Y. Filed Nov. 20, 1923.

MAISEI

Particular description of goods.—Electrical Lamps.
Claims use since Nov. 15, 1923.

Ser. No. 188,603. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PABST CORPORATION, Milwaukee, Wis. Filed Nov. 20, 1923. Under ten-year proviso.

PABST

Particular description of goods.—Ginger Ale, Root Beer, Drinking Water, and Fruit-Flavored Drinks and Sirups for Making the Same.
Claims use since 1889.

Ser. No. 188,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ZEREGA'S SONS, Brooklyn, N. Y. Filed Nov. 20, 1923.

BUTTERCUPS

Particular description of goods.—Alimentary Paste Food Products.
Claims use since Nov. 12, 1923.

Ser. No. 188,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ZEREGA'S SONS, Brooklyn, N. Y. Filed Nov. 20, 1923.

BUTTERFLIES

Particular description of goods.—Alimentary Paste Food Products.
Claims use since Nov. 12, 1923.

Ser. No. 188,636. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL AIRPHONE CORPORATION, New York, N. Y. Filed Nov. 21, 1923.

MONODYNE

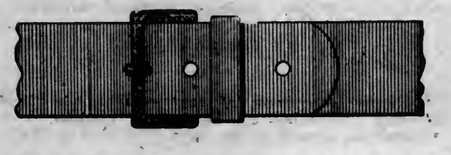
Particular description of goods.—Radio Receiving Sets and Parts Used in the Construction of the Same.
Claims use since about May 15, 1923.

Ser. No. 188,637. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL AIRPHONE CORPORATION, New York, N. Y. Filed Nov. 21, 1923.

GOLD GRAIN

Particular description of goods.—Radio Detectors and Receiving Sets.
Claims use since Oct. 12, 1922.

Ser. No. 188,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWEN-OGLESBY MILLING CO., Independence, Kans. Filed Nov. 22, 1923.



The belt delineated in said drawing is red and buckle is yellow, as denoted by the lines thereof.
Particular description of goods.—Wheat Flour.
Claims use since Oct. 22, 1921.

Ser. No. 188,688. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MCLEOD LEATHER AND BELTING COMPANY, Greensboro, N. C. Filed Nov. 22, 1923.



No claim is made herein to the exclusive use of the word "Oak" apart from the trade-mark shown.
Particular description of goods.—Leather Belting.
Claims use since February, 1921.

Ser. No. 188,689. (CLASS 39. CLOTHING.) HARRY MEYERS HAT COMPANY, New York, N. Y. Filed Nov. 22, 1923.

Courier

Particular description of goods.—Ladies', Misses', and Children's Hats and Caps.
Claims use since Aug. 1, 1923.

Ser. No. 188,695. (CLASS 39. CLOTHING.) NEMO HAT COMPANY, New York, N. Y. Filed Nov. 22, 1923.

Roberte

Particular description of goods.—Ladies', Misses', and Children's Hats and Caps.
Claims use since Aug. 1, 1923.

Ser. No. 188,737. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BROWN & SEHLER COMPANY, Grand Rapids, Mich. Filed Nov. 22, 1923.

BRO-SE-CO

Particular description of goods.—Automobile Tires, Including Tire Casings and Inner Tubes Therefor.
Claims use since Sept. 26, 1923.

Ser. No. 188,746. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Filed Nov. 23, 1923.



No claim made to the words "Body Cleaner" apart from the mark shown.
Particular description of goods.—Auto Body Cleaner.
Claims use since Nov. 1, 1923.

Ser. No. 188,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUTH CORA MCNEILL, Washington, D. C. Filed Nov. 23, 1923.



Applicant disclaims the words "Hair Grower" on the drawing apart from the mark shown.
Particular description of goods.—Ointment Used for the Promotion of Hair Growth.
Claims use since Nov. 12, 1923.

Ser. No. 188,774. (CLASS 39. CLOTHING.) SAM SAMUELS, INC., New York, N. Y. Filed Nov. 23, 1923.

"TOPPING"

Particular description of goods.—Women's Coats.
Claims use since Oct. 1, 1923.

Ser. No. 188,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNIE C. WRIGHT, Springfield, Mass. Filed Nov. 23, 1923.

Ham-Bo

Particular description of goods.—Meat Cakes and Sandwich Filler.
Claims use since July 1, 1923.

Ser. No. 188,850. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MCLEAN TIRE & RUBBER COMPANY, East Liverpool, Ohio. Filed Nov. 24, 1923.

CROSSTOWN

Particular description of goods.—Tires, Casings, Inner Tubes, Tire Patches, Made of Rubber or Rubberized Fabric.
Claims use since Nov. 12, 1923.

Ser. No. 188,853. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Nov. 24, 1923.

OXWEAR

Particular description of goods.—Men's Dress Shirts, Negligee Shirts, and Work Shirts.
Claims use since Oct. 1, 1923.

Ser. No. 188,879. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed Nov. 26, 1923.

Lady Myra

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Belts for Personal Wear, Diaphragm Confiners, Hose Supporters.
Claims use since Sept. 15, 1922.

Ser. No. 188,887. (CLASS 12. CONSTRUCTION MATERIALS.) BUTTRESS MANUFACTURING CO., Los Angeles, Calif. Filed Nov. 26, 1923.

Plaster
Key-Lath
Buttress

The descriptive words "Plaster" and "Key Lath," together with the representation of the goods, are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Wall Board—Namely, Lath and Plaster Substitute.
Claims use since June 1, 1923.

Ser. No. 188,890. (CLASS 39. CLOTHING.) THE J. D. COOK COMPANY, Bellevue, Ohio. Filed Nov. 26, 1923.

Cooks

Particular description of goods.—Men's, Women's, Boys', and Girls' Suits, Overcoats, Raincoats, Topcoats, Capes, Knickers, Trousers, Hats, Caps, Sweaters, Waists, Dress Shirts, Negligee Shirts, Work Shirts, Flannel Shirts; Bathing Suits, Hosiery, Neckties Made of Cut Silk, Silk and Wool, and Knitted Fabrics; Underwear and Undergarments Made of Silk, Lisle, Cotton, Wool, and Mixtures Thereof; and Shoes—Namely, Oxfords, Slippers, Made of Leather, Fabric, Combination of Leather and Fabric, and Rubber.
Claims use since March, 1901.

Ser. No. 188,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRESCA COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 26, 1923.

FIN-O-SHER

Particular description of goods.—Liquid Compound of Sherry Wine and Sundry Herbs and Vegetables to be Used in Making Sauces for Food Purposes.
Claims use since Nov. 16, 1923.

Ser. No. 188,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCKEON CANNING COMPANY, Burbank, Calif. Filed Nov. 26, 1923.

PERMISSION

Particular description of goods.—Canned Fruits.
Claims use since July, 1922.

Ser. No. 188,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCKEON CANNING COMPANY, Burbank, Calif. Filed Nov. 26, 1923.

RED HEAD

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Aug. 15, 1923.

Ser. No. 188,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. LAMB, doing business as The Clenso-Mint Company, Birmingham, Ala. Filed Nov. 27, 1923.

Clenso-mint

No claim is made to the use of the words "The Tablet Dentifrice" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Dentifrices in Tablet Form.
Claims use since Oct. 15, 1923.

Ser. No. 188,971. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Nov. 27, 1923.



Particular description of goods.—Silk Piece Goods, Cotton Piece Goods, and Silk and Cotton Piece Goods.
Claims use since February, 1923.

Ser. No. 188,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN NUT COMPANY, INC., Indianapolis, Ind. Filed Nov. 28, 1923.



No claim made to "American Nut Company, Indianapolis, Ind., Highest Quality Salted Nuts, Quality Unequaled Anywhere" apart from the mark as shown.
Particular description of goods.—Salt Nuts; Raw, Shelled, and Unshelled Nuts.
Claims use since Oct. 1, 1923.

Ser. No. 188,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY E. DESBAN, Woodland, Calif. Filed Nov. 28, 1923.

NUT-RA

Particular description of goods.—Shelled Nuts and Raisins Mixed and Both in Their Natural State.
Claims use since Nov. 1, 1923.

Ser. No. 188,996. (CLASS 39. CLOTHING.) JESSIE FREMONT, Washington, D. C. Filed Nov. 28, 1923.

PEACOCK
FROCKS AND TOGS

Applicant disclaims the words "Frocks and Togs" shown in the drawing.
Particular description of goods.—Women's Dresses, Women's Wraps, Women's Negligees, Children's Dresses and Suits, Misses' Wraps and Dresses.
Claims use since Nov. 15, 1923.

Ser. No. 189,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. R. SMITH, doing business as V. R. Smith Olive Co., Lindsay, Calif. Filed Nov. 28, 1923.

SEQUOIA

Particular description of goods.—Canned Ripe Olives.
Claims use since Sept. 28, 1923.

Ser. No. 189,019. (CLASS 38. PRINTS AND PUBLICATIONS.) STAR COMPANY, New York, N. Y. Filed Nov. 28, 1923.

Something to Think About

Particular description of goods.—Newspaper Column.
Claims use since Feb. 14, 1922.

Ser. No. 189,034. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CLEVELAND VENDING MACHINE COMPANY, Cleveland, Ohio. Filed Nov. 30, 1923.

"MAID O' MAGIC"

Particular description of goods.—Buttered and Salted Popped Corn.
Claims use since Sept. 17, 1923.

Ser. No. 189,047. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE FIXIT BODY & FENDER REPAIR COMPANY, Cleveland, Ohio. Filed Nov. 30, 1923.

Fixit

Particular description of goods.—Automobile Tops, Curtains, and Repair Parts of Tops and Curtains.
Claims use since Aug. 1, 1923.

Ser. No. 189,048. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FIFTH MANUFACTURING CO., Chattanooga, Tenn. Filed Nov. 30, 1923.

VCVEE

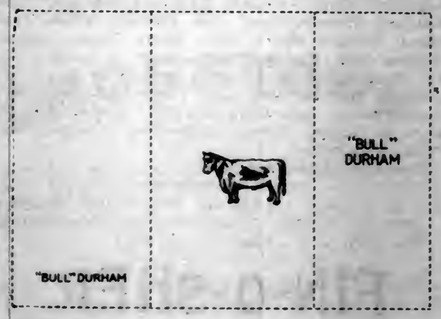
Particular description of goods.—Handkerchiefs.
Claims use since February, 1920.

Ser. No. 189,066. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE ORION CORPORATION, Scranton, Pa. Filed Nov. 30, 1923.

Orion

Particular description of goods.—Phonographs and Parts Thereof.
Claims use since Oct. 11, 1923.

Ser. No. 189,089. (CLASS 8. SMOKER'S ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE AMERICAN TOBACCO COMPANY, INC., New York, N. Y. Filed Dec. 1, 1923.



A dotted line is shown upon the drawing to indicate the way in which the paper containing the trade-mark is folded and is hereby disclaimed as part thereof.
Particular description of goods.—Cigarette Paper, Cut and Uncut.
Claims use since early in 1898.

Ser. No. 189,098. (CLASS 39. CLOTHING.) BRILLIANT KNITTING MILLS, INC., New York, N. Y. Filed Dec. 1, 1923.

BRILLIANT KNIT

The lining appearing on the drawing is for the purpose of shading only. No claim is made for the descriptive word "Knit" appearing on the drawing apart from the mark as shown.
Particular description of goods.—Knitted Fabrics—Namely, Bathing Suits, Swimming Suits, Tank Suits, Basket-Ball Shirts, Football Jerseys, Bathing Trunks, Athletic Jerseys, Sweaters, and Knitted Vests.
Claims use since about June 1, 1923.

Ser. No. 189,134. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ORIGINAL TIRE COMPANY, Cincinnati, Ohio. Filed Dec. 1, 1923.

CHECKER CORD

No claim is made to the exclusive use of the word "Cord" except in connection with the other features of the trade mark.
Particular description of goods.—Tires and Inner Tubes Composed of Rubber, Fabric, or Rubber and Fabric.
Claims use since Sept. 1, 1923.

Ser. No. 189,143. (CLASS 39. CLOTHING.) SAMUEL SIMON & SON INC., New York, N. Y. Filed Dec. 1, 1923.

Deauville

Particular description of goods.—Women's Underwear of Textile Fabric.
Claims use since Oct. 1, 1923.

Ser. No. 189,156. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE IRON-CRUSH & SHOT CO., now by change of name The Globe Steel Abrasive Company, Mansfield, Ohio. Filed Dec. 3, 1923.

CORNERED STEEL
GLOBE
GRIT

No rights are asserted to the exclusive use of the words "Cornered Steel Grit" apart from the trade-mark shown in the drawing.
Particular description of goods.—Abrasives Composed of Iron and Steel.
Claims use since Nov. 1, 1923.

Ser. No. 189,175. (CLASS 39. CLOTHING.) LEON STRAUSS, Baltimore, Md. Filed Dec. 3, 1923.

SHIRT-ALL

Particular description of goods.—Work Suits.
Claims use since Sept. 1, 1923.

Ser. No. 189,177. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH WITTMANN, INC., Woodhaven, N. Y. Filed Dec. 3, 1923.

WITTMANN'S
CROSS BAY BRAND



No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since May 1, 1923.

Ser. No. 189,191. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. FAVALORO SONS INC., New Orleans, La. Filed Dec. 4, 1923.

INDIAN GIRL

Particular description of goods.—Tomato Paste.
Claims use since January, 1915.

Ser. No. 189,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY FREDERICK BADER, New Albany, Ind. Filed Dec. 5, 1923.

NIGHT OWL



Particular description of goods.—Cough Sirup and an Injection for Venereal Diseases.
Claims use since 1894 upon the injection; since 1918 upon the cough sirup.

Ser. No. 189,237. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRED W. BROWN, Bethesda, Ohio. Filed Dec. 5, 1923.

NU-TRON

Particular description of goods.—Amplifiers and Thermionic Devices.
Claims use since Nov. 22, 1923.

Ser. No. 189,241. (CLASS 38. PRINTS AND PUBLICATIONS.) GUY C. CRAPPLE, Chicago, Ill. Filed Dec. 5, 1923.

Scriblets

Particular description of goods.—Printed Articles.
Claims use since Mar. 1, 1918.

Ser. No. 189,274. (CLASS 37. PAPER AND STATIONERY.) THOMAS F. RYBERT & COMPANY, Atlanta, Ga. Filed Dec. 5, 1923.

STONE MOUNTAIN BOND

No claim is made to the word "Bond" apart from the mark shown in the drawing.
Particular description of goods.—Bond Papers.
Claims use since Aug. 1, 1923.

Ser. No. 189,322. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

10

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,326. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

1016

Particular description of goods.—Shade Pulls, Comprising a Ring Covered with Textile Material and Having a Cord Attached Thereto.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,343. (CLASS 12. CONSTRUCTION MATERIALS.) C. R. WHITING CO., Newark, N. J. Filed Dec. 6, 1923.

FIBEROL

Particular description of goods.—Fiber Boards Sold in Sheets.
Claims use since Oct. 15, 1923.

Ser. No. 189,346. (CLASS 37. PAPER AND STATIONERY.) AMERICAN SALES BOOK COMPANY, LIMITED, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Filed Dec. 7, 1923.

WIZ

Particular description of goods.—Autographic Registers and Other Machines for Registering Paper for Inscription and Paper Supplies for Same.
Claims use since Nov. 13, 1922.

Ser. No. 189,347. (CLASS 12. CONSTRUCTION MATERIALS.) ARKANSAS BRICK AND TILE CO., Little Rock, Ark. Filed Dec. 7, 1923.

PIONEER

Particular description of goods.—Face Brick.
Claims use since Nov. 5, 1923.

Ser. No. 189,352. (CLASS 39. CLOTHING.) MADAME CLARE CORSET SHOP, Philadelphia, Pa. Filed Dec. 7, 1923.

"Super-lift"

Particular description of goods.—Corsets.
Claims use since Nov. 27, 1923.

Ser. No. 189,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEPENDABLE BAKERS ASSOCIATED, Brooklyn, N. Y. Filed Dec. 7, 1923.

TRI

Particular description of goods.—Bread.
Claims use since about Jan. 1, 1922.

Ser. No. 189,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB DOLD PACKING CO., Buffalo, N. Y. Filed Dec. 7, 1923.

Valleybrook

Particular description of goods.—Butter, Eggs, and Cheese.
Claims use since Oct. 12, 1914.

Ser. No. 189,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MI-CHAMP COMPANY, San Francisco, Calif. Filed Dec. 7, 1923.

MI-CHAMP

Particular description of goods.—Salad Dressing.
Claims use since Nov. 28, 1923.

Ser. No. 189,370. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MULTIPLE ELECTRIC PRODUCTS COMPANY, INC., New York, N. Y. Filed Dec. 7, 1923.

MONO

Particular description of goods.—Electric Fuses.
Claims use since Nov. 1, 1923.

Ser. No. 189,377. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. SLATER & SONS, INC., Webster, Mass., and New York, N. Y. Filed Dec. 7, 1923.

S S S S

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 21, 1923.

Ser. No. 189,395. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, doing business as Massasoit Rubber Works, Chicopee Falls, Mass. Filed Dec. 8, 1923.

MASSASOIT

Particular description of goods.—Vehicle Tires Made Wholly or Partly of Rubber.
Claims use since Oct. 27, 1923.

Ser. No. 189,396. (CLASS 39. CLOTHING.) FRANCBURT, INC., New York, N. Y. Filed Dec. 8, 1923.

"Fleur De Mode"

Particular description of goods.—Brassières.
Claims use since about Nov. 1, 1923.

Ser. No. 189,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDEPENDENT MACARONI CO., INC., Mt. Vernon, N. Y. Filed Dec. 8, 1923.

GUERRIERO BRAND

No claim made to the word "Brand" and "Trade-Mark" appearing thereon.
Particular description of goods.—Macaroni, Spaghetti, and Alimentary Pastes.
Claims use since June, 1917.

Ser. No. 189,424. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSTANTINE J. O'NEILL, doing business as Empire Bed Spread Mills, Philadelphia, Pa. Filed Dec. 8, 1923.

SLUMBER

Particular description of goods.—Bedspreads.
Claims use since Dec. 1, 1915.

Ser. No. 189,451. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVENPORT-BROOKS CORPORATION, Fernandina, Fla. Filed Dec. 10, 1923.



Particular description of goods.—Canned Shrimp.
Claims use since Oct. 21, 1922.

Ser. No. 189,484. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VAUGHAN & BUSHNELL MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 10, 1923.



The drawing consisting of staining or coating black the free end portion of the wooden handles of the tools for about one-half the length of the handles. No claim is made to the representation of a hammer apart from the trade-mark shown. The lining of the free end portion of the handle is intended to indicate black.
Particular description of goods.—Handled Hammers, Hatchets, Axes, Adzes, and Sledges.
Claims use since Nov. 10, 1923.

Ser. No. 189,487. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Dec. 11, 1923.

Braimworth

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 13, 1922.

Ser. No. 189,488. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Dec. 11, 1923.

Braymore

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 20, 1922.

Ser. No. 189,500. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Dec. 11, 1923.

LOKTITE

Particular description of goods.—Hair Nets.
Claims use since Nov. 23, 1916.

Ser. No. 189,502. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) HASTINGS MANUFACTURING COMPANY, Hastings, Mich. Filed Dec. 11, 1923.

HASTINGS

Particular description of goods.—Piston Rings.
Claims use since June, 1914.

Ser. No. 189,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923.

SAYLERIZED

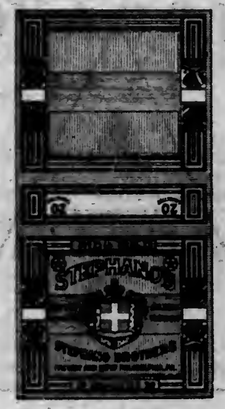
Consists of the word "Saylerized."
Particular description of goods.—Cotton Piece Goods.
Claims use since Nov. 23, 1923.

Ser. No. 189,533. (CLASS 39. CLOTHING.) JEAN NEWELL SCHAUMANN, New York, N. Y. Filed Dec. 11, 1923.

Nature Dresses

No claim is made to the word "Dresses" appearing therein.
Particular description of goods.—Dresses.
Claims use since Nov. 10, 1923.

Ser. No. 189,537. (CLASS 17. TOBACCO PRODUCTS.) STEPHANO BROTHERS, Philadelphia, Pa. Filed Dec. 11, 1923.



No rights are asserted to the exclusive use of the following language apart from the mark shown in the drawing: "20 Cigarettes—Rich—Mild—Egyptian Cigarettes—Hellenic Tobaccos—Factory and Depot, Philadelphia, Pa." The drawing has been lined to indicate the colors red, blue, and gold.
Particular description of goods.—Tobacco Products—Namely, Cigarettes.
Claims use since Sept. 16, 1921.

Ser. No. 189,539. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Dec. 11, 1923.

XRAY

Particular description of goods.—Golf Balls.
Claims use since Dec. 4, 1923.

Ser. No. 189,547. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BARNES-ROSS COMPANY, Indianapolis, Ind. Filed Dec. 12, 1923.

The Progressive Mortician

Particular description of goods.—Monthly Publication.
Claims use since October, 1920.

Ser. No. 189,548. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BARNES-ROSS COMPANY, Indianapolis, Ind. Filed Dec. 12, 1923.

The Optimeter

Particular description of goods.—Monthly Publication.
Claims use since November, 1921.

Ser. No. 189,553. (CLASS 38. PRINTS AND PUBLICATIONS.) DIRECT COUPON CORPORATION, New York, N. Y. Filed Dec. 12, 1923.

Couponing

Particular description of goods.—Monthly Publications.
Claims use since Nov. 20, 1923.

Ser. No. 189,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITAN PHARMACEUTICAL CO., St. Louis, Mo. Filed Dec. 12, 1923.

HAIR-STA

Particular description of goods.—Hair Dressing.
Claims use since Jan. 1, 1923.

Ser. No. 189,588. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SILAPHONE CORPORATION, New York, N. Y. Filed Dec. 12, 1923.

Silaphone
SAY IT WITH SILENCE

Particular description of goods.—Telephone Silencers.
Claims use since Oct. 20, 1923.

Ser. No. 189,634. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PAUL M. MARKO, doing business as Marko Storage Battery Co., Brooklyn, N. Y. Filed Dec. 13, 1923.

RUBBERLITH

Particular description of goods.—Storage-Battery Cases.
Claims use since May 18, 1923.

Ser. No. 189,648. (CLASS 39. CLOTHING.) VAN BAALEN HEILBRUN & CO., New York, N. Y. Filed Dec. 13, 1923.

VELVOCORD

Particular description of goods.—Men's Dressing Gowns, House Coats, and Smoking Jackets and Women's Dressing Gowns and House Robes.
Claims use since about Jan. 1, 1921.

Ser. No. 189,666. (CLASS 39. CLOTHING.) FASHION MAID COMPANY, Cincinnati, Ohio. Filed Dec. 14, 1923.

FASHIONMAID

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Oct. 15, 1923.

Ser. No. 189,667. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANK & MEYER NECKWEAR CO., St. Louis, Mo. Filed Dec. 14, 1923.

Wool-O-Wish

Particular description of goods.—Woolen and Woolen Mixture Goods Both in the Piece and in the Bolt.
Claims use since Nov. 15, 1923.

Ser. No. 189,668. (CLASS 39. CLOTHING.) FRANK & MEYER NECKWEAR CO., St. Louis, Mo. Filed Dec. 14, 1923.

"Wool-O-Wish"

Particular description of goods.—Neckties, Cravats, and Scarfs.
Claims use since Nov. 15, 1923.

Ser. No. 189,685. (CLASS 12. CONSTRUCTION MATERIALS.) MINNEAPOLIS PAPER CO., Minneapolis, Minn. Filed Dec. 14, 1923.

KLONDIKE

Particular description of goods.—Plaster Board.
Claims use since July 1, 1908.

Ser. No. 189,707. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Dec. 15, 1923.

Cote Centaur

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since Dec. 6, 1923.

Ser. No. 189,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORLICK'S FOOD CO., Racine, Wis. Filed Dec. 15, 1923.

BARLYOSE

The mark consists of the word "Barlyose."
Particular description of goods.—Modifier for Milk.
Claims use since Dec. 6, 1923.

Ser. No. 189,727. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. D. PEAKE COMPANY, INC., New York, N. Y. Filed Dec. 15, 1923.

PEAKE'S NAINSHEER

Particular description of goods.—Cotton Fabrics.
Claims use since Nov. 30, 1923.

Ser. No. 189,728. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. D. PEAKE COMPANY, INC., New York, N. Y. Filed Dec. 15, 1923.

PEAKE'S NAINSHEER

Particular description of goods.—Cotton Fabrics.
Claims use since Nov. 30, 1923.

Ser. No. 189,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 15, 1923. Under ten-year proviso.

DUNLOE

The mark consists of the word "Dunloe."
Particular description of goods.—Oatmeal.
Claims use since 1880.

Ser. No. 189,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 15, 1923. Under ten-year proviso.

CHESTER

The mark consists of the word "Chester."
Particular description of goods.—Barley.
Claims use since 1886.

Ser. No. 189,732. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 15, 1923. Under ten-year proviso.

PORTAGE

The mark consists of the word "Portage."
Particular description of goods.—Barley.
Claims use since 1876.

Ser. No. 189,748. (CLASS 12. CONSTRUCTION MATERIALS.) THE AGASOTE MILLBOARD CO., Trenton, N. J. Filed Dec. 17, 1923.

NOVASOTE

Particular description of goods.—Fiber Boards Sold in Sheets.
Claims use since Nov. 15, 1923.

Ser. No. 189,755. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE CALDWELL MANUFACTURING COMPANY, Columbus, Ohio. Filed Dec. 17, 1923.

BETTER BABY

Particular description of goods.—Folding Tables.
Claims use since Nov. 17, 1923.

Ser. No. 189,768. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DURAMETALLIC CORPORATION, Kalamazoo, Mich. Filed Dec. 17, 1923.

DURAMETALLIC

Particular description of goods.—Metallic Packings.
Claims use since June, 1919.

Ser. No. 189,789. (CLASS 39. CLOTHING.) HURWITZ & EHRICH, New York, N. Y. Filed Dec. 17, 1923.

SIRENIA

Particular description of goods.—Coats, Suits, and Wraps for Women.
Claims use since Oct. 17, 1923.

Ser. No. 189,820. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SERVA COMPANY, Chicago, Ill. Filed Dec. 17, 1923.

SERVA

Particular description of goods.—Refilled Electric Lamps and Tubes.
Claims use since Oct. 1, 1923.

Ser. No. 189,821. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHOT-LITE CORPORATION OF AMERICA, Denver, Colo. Filed Dec. 17, 1923.



The shade lining of the drawings is not intended to conventionally indicate any color.
Particular description of goods.—Projector Lights, More Specifically Termed Windshield Spotlights.
Claims use since Oct. 1, 1923.

Ser. No. 189,827. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed Dec. 17, 1923.

"INSETTE"

Particular description of goods.—Hosiery.
Claims use since on or about Oct. 23, 1923.

Ser. No. 189,842. (CLASS 12. CONSTRUCTION MATERIALS.) HUGH C. CARROLL, McKeesport, Pa. Filed Dec. 18, 1923.

CAROLITE

Particular description of goods.—Compound for Waterproofing and Increasing the Strength of Cement.
Claims use since July 1, 1922.

Ser. No. 189,847. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. FINN & COMPANY, New York, N. Y. Filed Dec. 18, 1923.

PEAUSATEEN

Particular description of goods.—Cotton Shirting Fabrics.
Claims use since Sept. 14, 1923.

Ser. No. 189,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POWERS-WEIGHTMAN-ROSENGARTEN CO., Philadelphia, Pa. Filed Dec. 18, 1923.

BISMOSOL

Particular description of goods.—Preparation for Intramuscular Administration in the Treatment of Syphilis.
Claims use since about Nov. 23, 1923.

Ser. No. 189,869. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHOT-LITE CORPORATION OF AMERICA, Denver, Colo. Filed Dec. 18, 1923.



Particular description of goods.—Projector Lights, More Specifically Termed Windshield Spotlights.
Claims use since Oct. 1, 1923.

Ser. No. 189,870. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHOT-LITE CORPORATION OF AMERICA, Denver, Colo. Filed Dec. 18, 1923.

SHOT-LITE

Particular description of goods.—Projector Lights, More Specifically Termed Windshield Spotlights.
Claims use since Oct. 1, 1923.

Ser. No. 189,872. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Filed Dec. 18, 1923.

HI-TY

Particular description of goods.—Hair Tonics and Preparations for the Treatment of the Hair, Antiseptic Preparations, Foot Powders, Toilet Powders, and Talcum Powders.
Claims use since Nov. 1, 1923.

Ser. No. 189,874. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALLACH, HOEXTER & Co., New York, N. Y. Filed Dec. 18, 1923.

PATHFINDER

Particular description of goods.—Woolen Piece Goods and Worsted Piece Goods.
Claims use since Feb. 23, 1922.

Ser. No. 189,876. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed Dec. 18, 1923.

CREPE de VINE

No rights are asserted to the exclusive use of the word "Crepe" apart from the trade-mark shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since June 7, 1923.

Ser. No. 189,884. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 19, 1923.

DICTO GRAND

Particular description of goods.—Radio Loud Speakers.
Claims use since Mar. 6, 1923.

Ser. No. 189,929. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) M. J. BARUCH SONS INC., New York, N. Y. Filed Dec. 20, 1923.

MARTINETTE

The mark consists of the word "Martinette."
Particular description of goods.—Fur Pelts.
Claims use since Nov. 22, 1923.

Ser. No. 189,945. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. OPPENHEIMER & Co., New York, N. Y. Filed Dec. 20, 1923.

SOCO

Particular description of goods.—Sausage Casings.
Claims use since Dec. 1, 1923.

Ser. No. 189,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PERLAX COMPANY, Providence, R. I. Filed Dec. 20, 1923.

PER-LAX

Particular description of goods.—Cathartic Preparations for the Treatment of Fevers, Inflammatory Affections, Colic, Constipation, Sick Headache, and Intestinal Obstruction.
Claims use since Sept. 1, 1923.

Ser. No. 189,953. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Dec. 20, 1923.

EUREKA

Particular description of goods.—Meat and Bone Scraps.
Claims use since Sept. 15, 1915.

Ser. No. 189,955. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINOLA CORPORATION, Philadelphia, Pa. Filed Dec. 20, 1923.

FRAGRA

Particular description of goods.—Disinfectants and Deodorants.
Claims use since June 1, 1923.

Ser. No. 189,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BUCKEYE SODA PRODUCTS COMPANY, Cincinnati, Ohio. Filed Dec. 21, 1923.



Particular description of goods.—Washing Soda (Sal Soda, Refined Crystals).
Claims use since July 1, 1923.

Ser. No. 189,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM A. DEARING, doing business as W. A. Dearing, Hardin, Mo. Filed Dec. 21, 1923.

PT ARMUSIN

Particular description of goods.—Remedy for Roup.
Claims use since Oct. 1, 1923.

Ser. No. 189,975. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Dec. 21, 1923.

Cylonia

"Cylonia."
Particular description of goods.—Silk, Artificial Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since Aug. 31, 1923.

Ser. No. 189,991. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXTILE PUBLISHING COMPANY, New York, N. Y. Filed Dec. 21, 1923.

THE TIDES OF FASHION

Particular description of goods.—Feature Section of a Publication Issued Weekly.
Claims use since May 5, 1923.

Ser. No. 189,996. (CLASS 39. CLOTHING.) WESTERN GARMENT COMPANY, Chicago, Ill. Filed Dec. 21, 1923.

MERIT MAID

Particular description of goods.—Women's and Children's Bloomers.
Claims use since on or about Aug. 15, 1923.

Ser. No. 190,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Filed Dec. 22, 1923.

RODINE

Particular description of goods.—Ingredient in Solid or Liquid Form for Controlling Acid Baths Used for Pickling Metals.
Claims use since Apr. 25, 1923.

Ser. No. 190,020. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE KROYDON COMPANY, Newark, N. J. Filed Dec. 22, 1923.

Hi Power

Particular description of goods.—Sole Plates for Golf Clubs.
Claims use since Nov. 15, 1923.

Ser. No. 190,029. (CLASS 12. CONSTRUCTION MATERIALS.) QUIGLEY FURNACE SPECIALTIES COMPANY, INC., New York, N. Y. Filed Dec. 22, 1923.

GANISAND

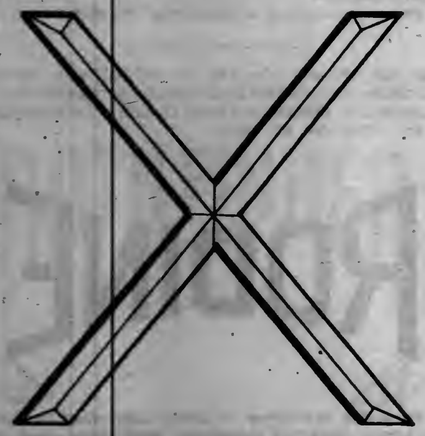
Particular description of goods.—Refractory Linings for Furnace Structures.
Claims use since Dec. 12, 1923.

Ser. No. 190,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAN-D-REM, INC., Chicago, Ill. Filed Dec. 24, 1923.

Dan-D-Rem

Particular description of goods.—Salve for the Removal of Dandruff.
Claims use since Nov. 25, 1923.

Ser. No. 190,055. (CLASS 37. PAPER AND STATIONERY.) C. HOWARD HUNT PEN COMPANY, Camden, N. J. Filed Dec. 24, 1923.



Particular description of goods.—Pens.
Claims use since on or about Feb. 1, 1914.

Ser. No. 190,058. (CLASS 37. PAPER AND STATIONERY.) MCLAURIN-JONES CO., Brookfield, Mass. Filed Dec. 24, 1923.

LUXOR

The mark consists of the word "Luxor."
Particular description of goods.—Papers Having Gold, Bronze, or Silver Coating.
Claims use since Dec. 6, 1923.

Ser. No. 190,080. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM M. MARTIN, doing business as Chroxi Research Laboratories, Cleveland, Ohio. Filed Dec. 24, 1923.

CHROXI

Particular description of goods.—Antiseptic Germicide and Tissue-Builder Preparations.
Claims use since Dec. 1, 1922.

Ser. No. 190,114. (CLASS 39. CLOTHING.) MANCHESTER ROMPER CO., INC., New York, N. Y. Filed Dec. 26, 1923.

ALADDIN

Particular description of goods.—Rompers and Creepers.
Claims use since Dec. 5, 1923.

Ser. No. 190,138. (CLASS 39. CLOTHING.) LEWIS E. TAUBEL, Norristown, Pa. Filed Dec. 26, 1923.

PICKANINNY



Particular description of goods.—Hosiery.
Claims use since January, 1898.

Ser. No. 190,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINUS L. DITTOE, Somerset, Ohio. Filed Dec. 27, 1923.

DIT'S

Particular description of goods.—Cold Tablets.
Claims use since Nov. 1, 1923.

Ser. No. 190,157. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GRID-GRAPH CO., Columbus, Ohio. Filed Dec. 27, 1923.

GRID-GRAPH

Particular description of goods.—Football Score Board.
Claims use since July, 1922.

Ser. No. 190,161. (CLASS 37. PAPER AND STATIONERY.) HOLLINGSWORTH & WHITNEY CO., Boston, Mass. Filed Dec. 27, 1923.

MOHEGAN



Particular description of goods.—Writing and Wrapping Paper.
Claims use since on or about Nov. 1, 1923.

Ser. No. 190,162. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) IVORY GARTER COMPANY, New Orleans, La. Filed Dec. 27, 1923.

LIFELINE

Particular description of goods.—Elastic Webbing.
Claims use since Oct. 27, 1923.

Ser. No. 190,164. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) IVORY GARTER COMPANY, New Orleans, La. Filed Dec. 27, 1923.

MUSCLE

Particular description of goods.—Elastic Webbing.
Claims use since Oct. 27, 1923.

Ser. No. 190,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAAMLOOZE VENNOOTSCHAP BISCUITFABRIEK "DE LINDEBOOM," Mijdrecht and Amsterdam, Netherlands. Filed Dec. 27, 1923.

ESPERANTO

Particular description of goods.—Biscuit, Crackers, Cakes, and Waffles.
Claims use since on or about July 1, 1923.

Ser. No. 190,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY UTARD, New York, N. Y. Filed Dec. 27, 1923.



FEZ

Particular description of goods.—Licorice Paste and Extract.
Claims use since Dec. 14, 1923.

Ser. No. 190,194. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND-O'NEAL MILLING CO., Springfield, Mo. Filed Dec. 28, 1923.

FULL-O-PEP

Particular description of goods.—Self-Rising Flour.
Claims use since Oct. 8, 1923.

Ser. No. 190,193. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HUDSON PHARMACAL COMPANY, INCORPORATED, Union Hill, N. J. Filed Dec. 28, 1923.

ZOON

Particular description of goods.—Medicinal Preparation. Compound of Medicinal Digestive Substances for the Correction of Faulty Gastrointestinal Digestion.
Claims use since Sept. 1, 1923.

Ser. No. 190,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERSEY PHARMACAL CO., Jersey City, N. J. Filed Dec. 28, 1923.

CELLUGEN

Particular description of goods.—Organic Assimilative Tonic.
Claims use since Dec. 5, 1923.

Ser. No. 190,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923.

STANOCOLA

Particular description of goods.—Knitting Oil, Fiber Grease, and Yarn Grease.
Claims use since Dec. 13, 1913.

Ser. No. 190,214. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923.

STANOCOLA

Particular description of goods.—Floor Oil, Floor Dressing, and Liquid Gloss.
Claims use since Dec. 13, 1913.

Ser. No. 190,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNCLE SAM BREAKFAST FOOD COMPANY, Omaha, Nebr. Filed Dec. 28, 1923.

O-Kay

Particular description of goods.—Bran Flakes.
Claims use since Oct. 15, 1923.

Ser. No. 190,223. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMERICAN CELUTEX CORPORATION, New York, N. Y. Filed Dec. 29, 1923.

TINSELOID

Particular description of goods.—Pyroxylin Sheet Material.
Claims use since Dec. 15, 1923.

Ser. No. 190,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM L. CHANDLER, Claremont, N. H. Filed Dec. 29, 1923.



Particular description of goods.—Ointments for Cuts, Sores, Chapped Hands, Cracked Lips, Pimples, Skin Diseases, Piles, Corns, Calli, and Bunions.
Claims use since Sept. 10, 1923.

Ser. No. 190,239. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNN & THOMPSON, Raleigh, N. C. Filed Dec. 29, 1923.

WAKO

Particular description of goods.—Can Corn, Lima Beans, Fish Roe, Peas, Tomatoes, Package Rice, and Package Coffee.
Claims use since 1916.

Ser. No. 190,241. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWINELL-WRIGHT COMPANY, Boston, Mass. Filed Dec. 29, 1923.

CIRCLE W BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Coffee.
Claims use since August, 1917.

Ser. No. 190,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWINELL-WRIGHT COMPANY, Boston, Mass. Filed Dec. 29, 1923.

KA-RO-MA BRAND

The word "Brand" does not form a part of the registration sought apart from the mark.
Particular description of goods.—Coffee.
Claims use since March, 1911.

Ser. No. 190,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWINELL-WRIGHT COMPANY, Boston, Mass. Filed Dec. 29, 1923.

KA-RO BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Coffee.
Claims use since March, 1911.

Ser. No. 190,285. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COUGHLIN MANUFACTURING CO., New York, N. Y. Filed Dec. 31, 1923.

Cobro

"Cobro."
Particular description of goods.—Gold Leaf, Imitation Gold Leaf, and Silver Leaf.
Claims use since January, 1922.

Ser. No. 190,288. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) FOLLMER, CLOGG & CO., New York, N. Y. Filed Dec. 31, 1923.

Mah Jong

Particular description of goods.—Parasols and Umbrellas.
Claims use since Dec. 28, 1923.

Ser. No. 190,350. (CLASS 25. LOCKS AND SAFES.) ANTHONY MAZZOLA, doing business as The Mazolok Mfg. Company, Newton, Mass. Filed Jan. 2, 1924.

MAZOLOK

Particular description of goods.—Automatic Window Locks.
Claims use since May 1, 1922.

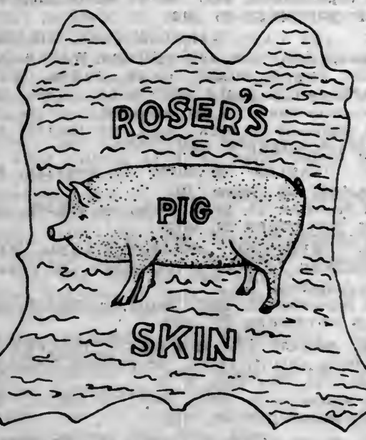
Ser. No. 190,365. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. H. WARNER & CO., Cleveland, Ohio. Filed Jan. 2, 1924.

WOLF RUN



Particular description of goods.—Coal.
Claims use since about 1908.

Ser. No. 190,430. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERMAN ROSER & SON, INC., Glastonbury, Conn., and New York, N. Y. Filed Jan. 4, 1924.



No claim made to the exclusive use of the words "Pig Skin" and the representation of the goods apart from the mark shown on the drawing.
Particular description of goods.—Pigskin Leather.
Claims use since Nov. 20, 1923.

Ser. No. 190,538. (CLASS 17. TOBACCO PRODUCTS.) THE DEISEL-WEMMER CO., Lima, Ohio. Filed Jan. 8, 1924.



Particular description of goods.—Cigars.
Claims use since Dec. 22, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 19, 1924.

179,794. WATER-PRESSURE SYSTEMS, PUMPS, AND ENGINES AND PARTS THEREOF. WALTER G. NOACK, Stockton, Calif.
Filed September 26, 1923. Serial No. 186,246. PUBLISHED DECEMBER 4, 1923.

179,795. LEATHER. C. TRAUTMAN & COMPANY, Cincinnati, Ohio.
Filed September 27, 1923. Serial No. 186,303. PUBLISHED DECEMBER 4, 1923.

179,796. FABRICS MADE WHOLLY OR PRINCIPALLY FROM CELLULOSE DERIVATIVES. BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY, LIMITED, now by change of name British Celanese Limited, London, England.
Filed September 28, 1923. Serial No. 186,313. PUBLISHED NOVEMBER 20, 1923.

179,797. ASH CANS, GARBAGE CANS, OIL CANS, TRASH BURNERS, ASH SIFTERS, WATER COOLERS, BREAD BOXES, CAKE BOXES, WATER PAILS, MILK PAILS, AND MILK CANS. H. P. CHANDLEE SONS CO., Baltimore, Md.
Filed September 25, 1923. Serial No. 186,179. PUBLISHED DECEMBER 4, 1923.

179,798. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed September 25, 1923. Serial No. 186,203. PUBLISHED NOVEMBER 27, 1923.

179,799. WEIGHING APPARATUS AND PARTS THEREOF. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt.
Filed September 24, 1923. Serial No. 186,118. PUBLISHED NOVEMBER 27, 1923.

179,800. STEAM AND HOT-WATER BOILERS FOR POWER AND HEATING. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,121. PUBLISHED NOVEMBER 27, 1923.

179,801. PORTABLE CONTAINERS FOR TRANSPORTING AND STORING COMPRESSED GAS FOR HEATING, LIGHTING, AND POWER PURPOSES. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 25, 1923. Serial No. 186,178. PUBLISHED DECEMBER 4, 1923.

179,802. STEEL AND IRON CASTINGS. LOS ANGELES FOUNDRY COMPANY, Los Angeles, Calif.
Filed September 21, 1923. Serial No. 186,018. PUBLISHED DECEMBER 4, 1923.

179,803. COAL. CONSOLIDATED CO.—COAL DIVISION, INC., Chicago, Ill.
Filed September 24, 1923. Serial No. 186,105. PUBLISHED DECEMBER 4, 1923.

179,804. HOSIERY. MCCALLUM HOSIERY CO., Northampton, Mass.
Filed October 4, 1923. Serial No. 186,562. PUBLISHED DECEMBER 4, 1923.

179,805. STEREOTYPE CASTING, COOLING, AND FINISHING MACHINES. WOOD NEWSPAPER MACHINERY CORPORATION, New York, N. Y.
Filed October 8, 1923. Serial No. 186,735. PUBLISHED DECEMBER 4, 1923.

179,806. HAIR NETS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed September 21, 1923. Serial No. 186,009. PUBLISHED NOVEMBER 13, 1923.

179,807. BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 2, 1923. Serial No. 186,458. PUBLISHED DECEMBER 4, 1923.

179,808. BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 2, 1923. Serial No. 186,459. PUBLISHED DECEMBER 4, 1923.

179,809. BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 2, 1923. Serial No. 186,456. PUBLISHED DECEMBER 4, 1923.

179,810. BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed October 2, 1923. Serial No. 186,457. PUBLISHED DECEMBER 4, 1923.

179,811. BACON, HAMS, LARD, SAUSAGE. NELSON MEAT COMPANY, San Francisco, Calif.
Filed June 27, 1923. Serial No. 182,519. PUBLISHED DECEMBER 11, 1923.

179,812. LEATHER AND LEATHER AND FABRIC BOOTS AND SHOES. J. P. LEVY SHOE CO. INC., Hartford, Conn.
Filed June 30, 1923. Serial No. 182,662. PUBLISHED DECEMBER 4, 1923.

179,813. LADIES' TRIMMED, TAILORED, AND SPORT HATS. SIMON MILLINERY SUPPLY CO., San Francisco, Calif.
Filed July 2, 1923. Serial No. 182,726. PUBLISHED NOVEMBER 27, 1923.

179,814. GLASS GLOBES AND REFLECTORS FOR ARTIFICIAL LIGHT. HOLOPHANE GLASS COMPANY, New York, N. Y.
Filed July 5, 1923. Serial No. 182,813. PUBLISHED DECEMBER 4, 1923.

179,815. SPAGHETTI AND SPAGHETTI SAUCES. PASQUALE ADALBERTO CAPORALE, doing business as Leoncavallo Sauce Company, Philadelphia, Pa.
Filed June 13, 1923. Serial No. 181,939. PUBLISHED DECEMBER 4, 1923.

179,816. PLAY BALLS. TYER RUBBER COMPANY, Andover, Mass.
Filed June 13, 1923. Serial No. 181,966. PUBLISHED DECEMBER 4, 1923.

179,817. COFFEE, SPICES, PEANUT BUTTER, SALAD OIL, SALAD DRESSING, VINEGAR, COCOA, JELLIES, PICKLES, JAMS, AND MARMALADES. HARRY ROBERT LINDER, Los Angeles, Calif.
Filed June 18, 1923. Serial No. 182,157. PUBLISHED DECEMBER 4, 1923.

179,818. RUBBER BATHING CAPS AND WATER GUARDS FOR BATHING CAPS. LEW-MAR PRODUCTS COMPANY, New York, N. Y.
Filed June 26, 1923. Serial No. 182,475. PUBLISHED DECEMBER 4, 1923.

179,819. PREPARATION FOR CLEANING AND REMOVING STAINS FROM CERTAIN-NAMED SURFACES. THE PIONEER PRODUCTS CO., Dayton, Ohio.
Filed May 28, 1923. Serial No. 181,508. PUBLISHED DECEMBER 11, 1923.

179,820. WOMEN'S, MEN'S, AND CHILDREN'S LEATHER BOOTS AND SHOES. SOCIETE ANONYME DES CHAUSSURES F. PINET, Paris, France.
Filed June 8, 1923. Serial No. 181,706. PUBLISHED DECEMBER 4, 1923.

179,821. FRESH MILK AND CREAM, BUTTER, CHEESE, AND ICE CREAM. PURITY MAID PRODUCTS COMPANY, New Albany, Ind.
Filed June 9, 1923. Serial No. 181,775. PUBLISHED DECEMBER 11, 1923.

179,822. PRESERVED FIGS AND FIG BUTTER. CARL SCHMIDT, doing business as Fig Products Company of California, Figarden, Calif.
Filed June 12, 1923. Serial No. 181,913. PUBLISHED DECEMBER 11, 1923.

179,823. CANNED FRUITS AND VEGETABLES. TAMAL PACKING CO., San Francisco, Calif.
Filed June 12, 1923. Serial No. 181,920. PUBLISHED DECEMBER 11, 1923.

179,824. MAGAZINE ENTITLED RADIO RECORD. THOS. A. BORIGHT, doing business as Radio Record Publishing Company, Minneapolis, Minn.
Filed May 29, 1923. Serial No. 181,333. PUBLISHED NOVEMBER 13, 1923.

179,825. WAX PAPER. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y.
Filed June 1, 1923. Serial No. 181,445. PUBLISHED DECEMBER 4, 1923.

179,826. CHEESE. PABST FARMS, Summit and Oconomowoc, Wis., assignor to Pabst Holstein Farms, Milwaukee, Wis., a Corporation of Wisconsin.
Filed June 2, 1923. Serial No. 181,495. PUBLISHED DECEMBER 11, 1923.

179,827. GLASS GLOBES AND REFLECTORS FOR ARTIFICIAL LIGHT. HOLOPHANE GLASS COMPANY, New York, N. Y.
Filed July 5, 1923. Serial No. 182,814. PUBLISHED DECEMBER 4, 1923.

179,828. ART NEEDLEWORK—NAMELY, TEXTILE FABRICS WHICH HAVE BEEN STAMPED READY FOR EMBROIDERY. SOUTHERN YARN EXCHANGE, Baltimore, Md.
Filed May 25, 1923. Serial No. 181,151. PUBLISHED DECEMBER 4, 1923.

179,829. PREPARATION FOR CLEANING AND REMOVING STAINS FROM CERTAIN NAMED SURFACES. THE PIONEER PRODUCTS CO., Dayton, Ohio.
Filed May 28, 1923. Serial No. 181,308. PUBLISHED DECEMBER 11, 1923.

179,830. GAS, COAL, OIL, AND GASOLINE STOVES. AMERICAN STOVE COMPANY, St. Louis, Mo.
Filed May 29, 1923. Serial No. 181,330. PUBLISHED DECEMBER 11, 1923.

179,831. VENDIBLE COUPON BONDS, COUPONS, ETC. PRUDENCE-BONDS CORPORATION, New York, N. Y.
Filed September 20, 1923. Serial No. 185,988. PUBLISHED NOVEMBER 27, 1923.

179,832. VENDIBLE COUPON BONDS, COUPONS, ETC. PRUDENCE-BONDS CORPORATION, New York N. Y.
Filed September 20, 1923. Serial No. 185,989. PUBLISHED NOVEMBER 27, 1923.

179,833. GARMENT BAG. THE ARDEN PRODUCTS CORPORATION, Chicago, Ill.
Filed September 19, 1923. Serial No. 185,911. PUBLISHED DECEMBER 4, 1923.

179,834. HOSIERY. A. V. VICTORIUS & CO., New York, N. Y.
Filed September 19, 1923. Serial No. 185,944. PUBLISHED DECEMBER 4, 1923.

179,835. VENDIBLE COUPON BONDS, COUPONS, ETC. PRUDENCE-BONDS CORPORATION, New York, N. Y.
Filed September 20, 1923. Serial No. 185,987. PUBLISHED NOVEMBER 27, 1923.

179,836. VOILE IN THE PIECE. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed September 14, 1923. Serial No. 185,797. PUBLISHED NOVEMBER 20, 1923.

179,837. MAYONNAISE-MAKING MACHINES. NATIONAL MAYONNAISE MACHINE COMPANY, Brooklyn, N. Y.
Filed September 15, 1923. Serial No. 185,835. PUBLISHED DECEMBER 4, 1923.

179,838. HANDKERCHIEFS. JOSEPH SILBERSTEIN, New York, N. Y.
Filed September 15, 1923. Serial No. 185,847. PUBLISHED NOVEMBER 20, 1923.

179,839. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 13, 1923. Serial No. 185,773. PUBLISHED NOVEMBER 20, 1923.

179,840. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 13, 1923. Serial No. 185,774. PUBLISHED NOVEMBER 13, 1923.

179,841. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 13, 1923. Serial No. 185,775. PUBLISHED NOVEMBER 13, 1923.

179,842. BED COMFORTS. ABRAHAM LINCOLN REACH, doing business as A. L. Reach Textile Co., New York, N. Y.
Filed September 14, 1923. Serial No. 185,795. PUBLISHED NOVEMBER 13, 1923.

179,843. PILLOWCASES MANUFACTURED FROM COTTON GOODS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed September 11, 1923. Serial No. 185,671. PUBLISHED NOVEMBER 13, 1923.

179,844. CAMBRICS AND NAINSOOKS. LONSDALE CO., Providence, R. I.
Filed September 12, 1923. Serial No. 185,714. PUBLISHED NOVEMBER 20, 1923.

179,845. COTTON PIECE GOODS. AMERICAN PRINTING COMPANY, Fall River, Mass.
Filed September 13, 1923. Serial No. 185,787. PUBLISHED NOVEMBER 13, 1923.

179,846. MISSES' AND GIRLS' FURNISHINGS, UNDERGARMENTS, AND CLOTHING. BEST & CO. INC., New York, N. Y.
Filed September 8, 1923. Serial No. 185,550. PUBLISHED DECEMBER 4, 1923.

179,847. COTTON CLOTH. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 10, 1923. Serial No. 185,553. PUBLISHED NOVEMBER 20, 1923.

179,848. BELTING. SECURITY RUBBER AND BELTING COMPANY, Chicago, Ill.
Filed September 10, 1923. Serial No. 185,624. PUBLISHED DECEMBER 4, 1923.

179,849. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS, INCLUDING PAINT, VARNISH, AND ENAMEL SPECIALTIES PRODUCTS MANUFACTURED TO MEET PECULIAR CONDITIONS. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah.
Filed September 11, 1923. Serial No. 185,649. PUBLISHED DECEMBER 4, 1923.

179,850. TOOLS, PARTICULARLY PLIERS AND WRENCHES. LAKESIDE FORGE COMPANY, Erie, Pa.
Filed September 11, 1923. Serial No. 185,660. PUBLISHED DECEMBER 4, 1923.

179,851. CERTAIN OIL FABRICS. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son, Lancaster, England.
Filed November 17, 1922. Serial No. 172,191. PUBLISHED DECEMBER 4, 1923.

179,852. FABRIC FOR WINDOW SHADES. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son, Lancaster, England.
Filed November 17, 1922. Serial No. 172,190. PUBLISHED DECEMBER 4, 1923.

179,853. LINEN AND CLOTHES HAMPERS, TRAYS, CANS, COINCRIBS, METAL STOCK TANKS, HOG TROUGHS, POULTRY TROUGHS, STORAGE TANKS, WAGON TANKS, AND WASTE RECEPTACLES. F. O. SCHOENDINGER, Columbus, Ohio.
Filed November 17, 1922. Serial No. 172,178. PUBLISHED DECEMBER 11, 1923.

179,854. WATERPROOF COVERS FOR HATS AND CAPS. HOUGHMAN RUBBER COMPANY, Yonkers, N. Y.
Filed November 13, 1922. Serial No. 171,916. PUBLISHED NOVEMBER 27, 1923.

179,855. ROCK ASPHALT. CONTINENTAL ROCK ASPHALT COMPANY, Kansas City, Mo.
Filed December 11, 1922. Serial No. 173,178. PUBLISHED DECEMBER 11, 1923.

179,856. BREAD. CUSHMAN'S SONS, INC., New York, N. Y.
Filed December 8, 1922. Serial No. 173,073. PUBLISHED DECEMBER 11, 1923.

179,857. LINOLEUM. JAMES, BARON ASHTON, doing business as Jas. Williamson & Son, Lancaster, England.
Filed November 17, 1922. Serial No. 172,192. PUBLISHED DECEMBER 4, 1923.

179,858. FOUNTAIN SYRINGES, HOT-WATER BAGS, AND WATER BAGS OF SOFT RUBBER, HEART SHAPED IN DESIGN, FOR INTERNAL USE. DANA C. POULSEN, Santa Rosa, Calif.
Filed January 26, 1923. Serial No. 175,156. PUBLISHED DECEMBER 11, 1923.

179,859. BREAD. MASSACHUSETTS BAKING COMPANY, doing business as Six Bakers, Springfield, Mass.
Filed January 13, 1923. Serial No. 174,582. PUBLISHED DECEMBER 11, 1923.

179,860. GLASS ANTIGLARE SHIELDS. DETRO SALES SERVICE CO., Detroit, Mich.
Filed January 12, 1923. Serial No. 174,512. PUBLISHED DECEMBER 4, 1923.

179,861. POLISH AND CLEANER FOR FURNITURE, PIANOS, LINOLEUM, FLOORS, AUTOS, ALL KINDS OF FINISHED WOODS, HARDWOOD, ETC. CHANNELL CHEMICAL COMPANY, Chicago, Ill., Toronto, Ontario, Canada, London, England, and Paris, France.
Filed January 31, 1923. Serial No. 175,346. PUBLISHED DECEMBER 11, 1923.

179,862. CLEANING AND POLISHING PREPARATIONS, AND PARTICULARLY A POLISH AND CLEANSER FOR FURNITURE, PIANOS, LINOLEUM, FLOORS, AUTOS, ALL KINDS OF FINISHED WOODS, HARDWOOD, ETC. CHANNELL CHEMICAL COMPANY, Chicago, Ill., Toronto, Ontario, Canada, London, England, and Paris, France.
Filed January 31, 1923. Serial No. 175,345. PUBLISHED DECEMBER 11, 1923.

179,863. ANTISEPTIC DRESSINGS, PLAIN, ABSORBENT, AND MEDICATED COTTONS AND GAUZES, AND PLAIN, MEDICATED, AND ADHESIVE BANDAGES. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed January 30, 1923. Serial No. 175,306. PUBLISHED DECEMBER 11, 1923.

179,864. FRUIT-NUT SANDWICH. MCCALL GRONIGER CO., Cincinnati, Ohio.
Filed February 21, 1923. Serial No. 176,414. PUBLISHED DECEMBER 11, 1923.

179,865. OATS FOR USE AS STOCK FEED. EMERY E. ANDERSON, Memphis, Tenn.
Filed February 10, 1923. Serial No. 175,836. PUBLISHED DECEMBER 11, 1923.

179,866. CIGARETTES AND SMOKING TOBACCO. BONWIT TELLER & CO., New York, N. Y.
Filed February 26, 1923. Serial No. 176,598. PUBLISHED DECEMBER 4, 1923.

179,867. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed February 24, 1923. Serial No. 176,525. PUBLISHED DECEMBER 4, 1923.

179,868. BREAD. ABRAM KROUDVIRD, New Bedford, Mass.
Filed March 26, 1923. Serial No. 178,048. PUBLISHED DECEMBER 11, 1923.

179,869. LACES, HANDKERCHIEFS, AND EMBROIDERIES AND SILK GOODS. MORISSE LACE & EMBROIDERY CO., St. Louis, Mo.
Filed March 24, 1923. Serial No. 177,985. PUBLISHED DECEMBER 4, 1923.

179,870. BREAD. GORDON BAKING CO., Chicago, Ill.
Filed March 19, 1923. Serial No. 177,666. PUBLISHED DECEMBER 11, 1923.

179,871. FRESH CITROUS FRUITS AND FRESH VEGETABLES. WALLERSTEIN PLANTATIONS, INC., New York, N. Y.
Filed March 15, 1923. Serial No. 177,532. PUBLISHED DECEMBER 11, 1923.

179,872. ELECTRIC-LIGHT GLOBES. THE X-CEL-ALL CO., LTD., Chicago, Ill.
Filed October 25, 1923. Serial No. 187,499. PUBLISHED DECEMBER 4, 1923.

179,873. MATCHES. OSAKEYHTIO SAVO, LTD., Kuopio, Finland.
Filed October 25, 1923. Serial No. 187,483. PUBLISHED DECEMBER 4, 1923.

179,874. GRAPE JUICE. SAM SEELIG CO., Los Angeles, Calif.
Filed October 26, 1923. Serial No. 187,542. PUBLISHED DECEMBER 4, 1923.

179,875. REFRACTORY PAINTS. ADAMS & JEWELL, Rome, N. Y.
Filed October 29, 1923. Serial No. 187,599. PUBLISHED DECEMBER 11, 1923.

179,876. BOND PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,885. PUBLISHED DECEMBER 4, 1923.

179,877. TOY PISTOLS. THE KILGORE MFG. CO., Westerville, Ohio.
Filed October 12, 1923. Serial No. 186,914. PUBLISHED DECEMBER 4, 1923.

179,878. FOOT APPLIANCES OR ORTHOPEDIC PADS OR CUSHIONS DESIGNED TO RELIEVE AND CORRECT CERTAIN IMPERFECTIONS AND DEFORMITIES OF THE FEET. FOOT REMEDY COMPANY, Chicago, Ill.
Filed October 17, 1923. Serial No. 187,103. PUBLISHED DECEMBER 11, 1923.

179,879. CELLULOSE LACQUER. THE FIBERLOID CORPORATION, Indian Orchard, Mass.
Filed October 20, 1923. Serial No. 187,618. PUBLISHED DECEMBER 11, 1923.

179,880. SOFT DRINK AND SIRUPS. H. KIRSCH & COMPAN, Brooklyn, N. Y.
Filed October 22, 1923. Serial No. 187,319. PUBLISHED DECEMBER 4, 1923.

179,881. GLASS. PRESSED PRISM PLATE GLASS COMPANY, Morgantown, W. Va.
Filed October 22, 1923. Serial No. 187,346. PUBLISHED DECEMBER 4, 1923.

179,882. MATCHES. OSAKEYHTIO SAVO, LTD., Kuopio, Finland.
Filed October 25, 1923. Serial No. 187,481. PUBLISHED DECEMBER 4, 1923.

179,883. MATCHES. OSAKEYHTIO SAVO, LTD., Kuopio, Finland.
Filed October 25, 1923. Serial No. 187,482. PUBLISHED DECEMBER 4, 1923.

179,884. BLASTING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,879. PUBLISHED DECEMBER 4, 1923.

179,885. WRAPPING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,883. PUBLISHED DECEMBER 4, 1923.

179,886. WRAPPING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,877. PUBLISHED DECEMBER 4, 1923.

179,887. BLASTING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,878. PUBLISHED DECEMBER 4, 1923.

179,888. SETS OF GLASS COOKING WARE FOR CHILDREN. MCKEE GLASS COMPANY, Jeannette, Pa.
Filed October 20, 1923. Serial No. 187,261. PUBLISHED DECEMBER 4, 1923.

179,889. A LUBRICANT FOR PIPE-THREAD CONNECTIONS. WADHAMS OIL COMPANY, Milwaukee, Wis.
Filed October 11, 1923. Serial No. 186,860. PUBLISHED DECEMBER 11, 1923.

179,890. WRAPPING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,875. PUBLISHED DECEMBER 4, 1923.

179,891. CITROUS FRUITS—NAMELY, ORANGES AND LEMONS IN THEIR NATURAL STATE. JAMES MILLS ORCHARDS CORPORATION, Hamilton City, Calif.
Filed October 10, 1923. Serial No. 186,797. PUBLISHED DECEMBER 11, 1923.

179,892. NECKTIES. ADOLF SCHRETER, Baltimore, Md.
Filed October 10, 1923. Serial No. 186,804. PUBLISHED DECEMBER 11, 1923.

179,893. FUSIBLE SULPHUR COMPOSITION PARTICULARLY ADAPTED FOR THE CONSTRUCTION OF TANKS AND OTHER CONTAINERS TO HOLD CORROSIVE ACID OR ALKALINE CONTAINERS. TEXAS GULF SULPHUR COMPANY, New York, N. Y.
Filed October 10, 1923. Serial No. 186,811. PUBLISHED DECEMBER 4, 1923.

179,894. TRAVELING BAGS, SUITCASES, AND HATBOXES. KATZ BROS. LEATHER GOODS CO., New York, N. Y.
Filed October 11, 1923. Serial No. 186,843. PUBLISHED DECEMBER 11, 1923.

179,895. LACQUERS, LACQUER ENAMELS, THINNERS, LACQUER SOLVENTS, AND PAINTERS' MATERIALS. ARIZONA LACQUER MFG. CO., INC., Brooklyn, N. Y.
Filed October 10, 1923. Serial No. 186,768. PUBLISHED DECEMBER 11, 1923.

179,896. CANDIES. I. C. CANDY CO., Brooklyn, N. Y.
Filed October 10, 1923. Serial No. 186,791. PUBLISHED DECEMBER 11, 1923.

179,897. FRESH CITROUS FRUITS—NAMELY, ORANGES AND LEMONS; AND FRESH DECIDUOUS FRUITS—NAMELY, FRESH PEARS. JAMES MILLS ORCHARDS CORPORATION, Hamilton City, Calif.
Filed October 10, 1923. Serial No. 186,796. PUBLISHED DECEMBER 11, 1923.

179,898. FIRE HOSE AND GARDEN HOSE. THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio.
Filed October 5, 1923. Serial No. 186,614. PUBLISHED DECEMBER 4, 1923.

179,899. NECKTIES. JAMES MCCURRACH & BROTHER, New York, N. Y.
Filed October 6, 1923. Serial No. 186,655. PUBLISHED DECEMBER 11, 1923.

179,900. WORK SHIRTS. MAX GOLDBERG & CO., INC., New York, N. Y.
Filed October 9, 1923. Serial No. 186,748. PUBLISHED DECEMBER 11, 1923.

179,901. WEARING APPAREL—VIZ, MEN'S DRESS SHIRTS, UNDERWEAR, PYJAMAS, AND NIGHTSHIRTS MADE FROM TEXTILE FABRICS. SIDNEY A. ELLENBOGEN, Paterson, N. J.
Filed October 4, 1923. Serial No. 186,546. PUBLISHED DECEMBER 11, 1923.

179,902. GASKETS AND METALLIC PACKING. FREDERICK GOETZE, New Brunswick, N. J.
Filed October 4, 1923. Serial No. 186,551. PUBLISHED DECEMBER 4, 1923.

179,903. MONTHLY MAGAZINE. R. T. MILLER Jr., Chicago, Ill.
Filed October 5, 1923. Serial No. 186,603. PUBLISHED DECEMBER 11, 1923.

179,904. SOAP. THE GLOBE SOAP COMPANY, Cincinnati, Ohio.
Filed September 29, 1923. Serial No. 186,863. PUBLISHED DECEMBER 11, 1923.

179,905. LEATHER GOODS AND LEATHER NOVELTIES—NAMELY, LADIES' AND CHILDREN'S HAND BAGS, WALLETS, PURSES, POCKETBOOKS. PHOENIX LEATHER GOODS CO., New York, N. Y.
Filed October 1, 1923. Serial No. 186,445. PUBLISHED DECEMBER 11, 1923.

179,906. PAPER COVERS. CHAS. GREEN COMPANY, INC., New York, N. Y.
Filed October 2, 1923. Serial No. 186,472. PUBLISHED DECEMBER 4, 1923.

179,907. ASH TRAYS. BERNARD J. HOOS, Baltimore, Md.
Filed October 2, 1923. Serial No. 186,475. PUBLISHED DECEMBER 4, 1923.

179,908. KNITTED BATHING SUITS. CHARLES C. SMITH, New York, N. Y.
Filed September 26, 1923. Serial No. 186,252. PUBLISHED DECEMBER 11, 1923.

179,909. SOAP CREAM TO PRODUCE LATHER FOR SHAVING. ANDRON HYGIENIC COMPANY, New York, N. Y.
Filed September 27, 1923. Serial No. 186,264. PUBLISHED DECEMBER 11, 1923.

179,910. VEHICLE TIRES INCLUDING OUTER CASINGS AND INNER TUBES. INTERNATIONAL RUBBER CO. OF AMERICA, Anderson, Ind.
Filed September 27, 1923. Serial No. 186,276. PUBLISHED DECEMBER 4, 1923.

179,911. SHEETS, SHEETING, PILLOWCASES, AND BOLSTER COVERINGS OF COTTON. PEERLESS COTTON MILLS, Thomaston, Ga.
Filed July 9, 1923. Serial No. 182,989. PUBLISHED DECEMBER 4, 1923.

179,912. HATBANDS. F. T. MARTINEZ & SONS, Brownsville, Tex.
Filed July 19, 1923. Serial No. 183,452. PUBLISHED NOVEMBER 27, 1923.

179,913. BLEACHED COTTON PIECE GOODS—NAMELY, CAMBRIC, MUSLIN, NAINSOOK. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y.
Filed July 14, 1923. Serial No. 183,215. PUBLISHED DECEMBER 4, 1923.

179,914. FRUIT ICE CREAM. NICK F. SPINELLI, New York, N. Y.
Filed July 13, 1923. Serial No. 183,170. PUBLISHED DECEMBER 11, 1923.

179,915. PLAYING CARDS. STANLEY F. HANZEL, doing business as S. F. Hanzel Card Co., Chicago, Ill.
Filed July 11, 1923. Serial No. 183,068. PUBLISHED DECEMBER 4, 1923.

179,916. COFFEE. MECKE & Co., New York, N. Y.
Filed July 21, 1923. Serial No. 183,529. PUBLISHED DECEMBER 4, 1923.

179,917. COFFEE. J. M. FRY, deceased, by Peoples Savings & Trust Co., Hazleton, Pa., administrator, Hazleton, Pa.
Filed July 20, 1923. Serial No. 183,472. PUBLISHED DECEMBER 4, 1923.

179,918. PIECE GOODS OF COTTON AND MOHAIR OR COTTON AND WORSTED FOR MEN'S SUITING. BEURET & COMPANY, INCORPORATED, New York, N. Y.
Filed July 20, 1923. Serial No. 183,464. PUBLISHED DECEMBER 4, 1923.

179,919. SCREW CAPS, TOPS, AND COVERS FOR BOTTLES, JARS, CANS, BOXES, AND SIMILAR CONTAINERS. THE SECURITY METAL PRODUCTS CO., Cincinnati, Ohio.
Filed July 27, 1923. Serial No. 183,762. PUBLISHED DECEMBER 4, 1923.

179,920. SHOES OF LEATHER, RUBBER, CANVAS, OR ANY COMBINATION OF SAME. HOFHEIMER BROTHERS COMPANY, Norfolk, Va.
Filed July 24, 1923. Serial No. 183,626. PUBLISHED DECEMBER 11, 1923.

179,921. CANDY. PANGBURN COMPANY, also doing business as Pangburn's, Fort Worth, Tex.
Filed July 21, 1923. Serial No. 183,538. PUBLISHED DECEMBER 11, 1923.

179,922. COTTON CLOTH FOR USE AS AN ACOUSTICAL MEMBRANE. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed August 2, 1923. Serial No. 183,977. PUBLISHED DECEMBER 11, 1923.

179,923. SILK, ARTIFICIAL-SILK, COTTON, LINEN, AND WOOLEN PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed August 1, 1923. Serial No. 183,924. PUBLISHED DECEMBER 4, 1923.

179,924. MATTRESSES, PILLOWS, AND BOX SPRINGS. MAURICE GORDON, Baltimore, Md.
Filed August 1, 1923. Serial No. 183,923. PUBLISHED DECEMBER 11, 1923.

179,925. GOLF BALLS. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,823. PUBLISHED DECEMBER 4, 1923.

179,926. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed August 6, 1923. Serial No. 184,190. PUBLISHED DECEMBER 4, 1923.

179,927. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed August 6, 1923. Serial No. 184,198. PUBLISHED DECEMBER 4, 1923.

179,928. VINEGAR. THE SEVEN-O-CO., Philadelphia, Pa.
Filed August 3, 1923. Serial No. 184,042. PUBLISHED DECEMBER 4, 1923.

179,929. NEWSPAPER COLUMNS. EDGAR ALLAN MOSS, Marion, Ind.
Filed September 26, 1923. Serial No. 186,243. PUBLISHED DECEMBER 11, 1923.

179,930. MONTHLY PUBLICATION. BROWN, LOCKWOOD & DAVENPORT COMPANY, Boston, Mass.
Filed September 26, 1923. Serial No. 186,214. PUBLISHED DECEMBER 11, 1923.

179,931. MAGAZINES ISSUED TWICE MONTHLY. STREET & SMITH CORPORATION, New York, N. Y.
Filed September 24, 1923. Serial No. 186,166. PUBLISHED DECEMBER 11, 1923.

179,932. MEN'S AND YOUNG MEN'S OVERCOATS. R. H. MACY & Co., INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,146. PUBLISHED DECEMBER 11, 1923.

179,933. SOAPS, SOAP PASTES, AND SOAP POWDERS. E. DALTROFF & CIE., Paris, France.
Filed September 24, 1923. Serial No. 186,110. PUBLISHED DECEMBER 11, 1923.

179,934. AUTOMOBILE LUGGAGE CARRIERS. LANTON AUTO EQUIPMENT COMPANY, INCORPORATED, New York, N. Y.
Filed September 20, 1923. Serial No. 185,972. PUBLISHED NOVEMBER 27, 1923.

179,935. SILK KNITTED CLOTH IN THE BOLT. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed September 20, 1923. Serial No. 185,948. PUBLISHED DECEMBER 4, 1923.

179,936. ORNAMENTAL AND TABLE GLASSWARE. IMPERIAL GLSS COMPANY, Bellaire, Ohio.
Filed September 19, 1923. Serial No. 185,929. PUBLISHED DECEMBER 4, 1923.

179,937. CLOTHS AND STUFFS OF WOOL, WORSTED, AND HAIR. D. BALLANTYNE, BROTHERS & CO., LIMITED, Peebles, Scotland.
Filed September 19, 1923. Serial No. 185,913. PUBLISHED DECEMBER 4, 1923.

179,938. AUTOMOBILE SOAP. THE SHIFFER PRODUCTS COMPANY, Cleveland, Ohio.
Filed September 15, 1923. Serial No. 185,846. PUBLISHED DECEMBER 11, 1923.

179,939. BRONZE COLORS, DRY COLORS, STRIPING COLORS, ETC. ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich.
Filed September 17, 1923. Serial No. 185,853. PUBLISHED DECEMBER 11, 1923.

179,940. LIVE CALVES AND YEARLINGS. HIGHLAND HEREFORD BREEDER'S ASSOCIATION, Marfa, Tex.
Filed September 14, 1923. Serial No. 185,785. PUBLISHED DECEMBER 11, 1923.

179,941. COMPOUND FOR CLEANSING AND POLISHING WOODWORK, FURNITURE, AND THE LIKE. LILLIAN MESTRE, New York, N. Y.
Filed September 13, 1923. Serial No. 185,759. PUBLISHED DECEMBER 11, 1923.

179,942. ICE-CREAM CONFECTION. MELL RYERSON, doing business as South Side Cafe, Marengo, Iowa.
Filed September 12, 1923. Serial No. 185,723. PUBLISHED DECEMBER 4, 1923.

179,943. FRESH GRAPES. OSCAR J. LE BARON, doing business as The Le Baron Co., Healdsburg, Calif.
Filed September 11, 1923. Serial No. 185,661. PUBLISHED DECEMBER 4, 1923.

179,944. PIECE GOODS MADE OF SILK AND ARTIFICIAL SILK. JEFFERSON SILK COMPANY, INC., New York, N. Y.
Filed September 12, 1923. Serial No. 185,710. PUBLISHED DECEMBER 4, 1923.

179,945. LINEN FIRE HOSE. WM. & CHAS. BECK, INC., Lawrence, Mass.
Filed September 11, 1923. Serial No. 185,648. PUBLISHED DECEMBER 4, 1923.

179,946. TABLE POTATOES IN THEIR NATURAL STATE. PHILLIPS & COMPANY, INC., doing business as Maine Seed Potato Growers, Boston, Mass.
Filed September 10, 1923. Serial No. 185,646. PUBLISHED DECEMBER 11, 1923.

179,947. SEED POTATOES IN THEIR NATURAL STATE. PHILLIPS & COMPANY, INC., doing business as Maine Seed Potato Growers, Boston, Mass.
Filed September 10, 1923. Serial No. 185,645. PUBLISHED DECEMBER 11, 1923.

179,948. SEED POTATOES IN THEIR NATURAL STATE. PHILLIPS & COMPANY, INC., doing business as Maine Seed Potato Growers, Boston, Mass.
Filed September 10, 1923. Serial No. 185,644. PUBLISHED DECEMBER 11, 1923.

179,949. FURNITURE AND AUTOMOBILE POLISH. NATIONAL RENOVATING & SUPPLY CO., Kansas City, Mo.
Filed August 29, 1923. Serial No. 185,138. PUBLISHED DECEMBER 11, 1923.

179,950. CLEANSING AND DISINFECTANT COMPOUNDS FOR FLOORS. NATIONAL RENOVATING & SUPPLY CO., Kansas City, Mo.
Filed August 29, 1923. Serial No. 185,140. PUBLISHED DECEMBER 11, 1923.

179,951. TEXTILE FABRICS, ALSO SILK RIBBONS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed August 29, 1923. Serial No. 185,141. PUBLISHED DECEMBER 4, 1923.

179,952. PREPARATION FOR CLEANING STRINGED INSTRUMENTS. RICHARD PAULUS, Freiburg, Germany.
Filed August 29, 1923. Serial No. 185,146. PUBLISHED DECEMBER 11, 1923.

179,953. CANNED FISH, CANNED FRUITS, CANNED VEGETABLES, AND CANNED OLIVES. VAN CAMP SEA FOOD COMPANY, Los Angeles, Calif.
Filed August 29, 1923. Serial No. 185,165. PUBLISHED DECEMBER 4, 1923.

179,954. CORSETS. BONWIT TELLER & Co., New York, N. Y.
Filed August 30, 1923. Serial No. 185,172. PUBLISHED NOVEMBER 27, 1923.

179,955. POLISH FOR AUTOMOBILES, PIANOS, FURNITURE, AND WOODWORK. MARY HINTON, St. Louis, Mo.
Filed August 30, 1923. Serial No. 185,181. PUBLISHED DECEMBER 11, 1923.

179,956. POTTERY WARE. DUO-ART BELLEEK CO., Trenton, N. J., and Newtown Borough, Pa.
Filed August 31, 1923. Serial No. 185,209. PUBLISHED DECEMBER 4, 1923.

179,957. TABLE POTATOES IN THEIR NATURAL STATE. PHILLIPS & COMPANY, INC., doing business as Maine Seed Potato Growers, Boston, Mass.
Filed September 10, 1923. Serial No. 185,643. PUBLISHED DECEMBER 11, 1923.

179,958. HAIR NETS. NAMCO PRODUCTS CORPORATION, New York, N. Y.
Filed September 4, 1923. Serial No. 185,307. PUBLISHED DECEMBER 4, 1923.

179,959. CANDY. VIOLA B. NORRIS, Montclair, N. J.
Filed September 1, 1923. Serial No. 185,259. PUBLISHED DECEMBER 11, 1923.

179,960. METAL PLATES FOR USE IN REMOVING FOREIGN MATTER FROM OR IN CLEANSING METAL WARE. WHITING & DAVIS COMPANY, Plainville, Mass.
Filed September 1, 1923. Serial No. 185,275. PUBLISHED DECEMBER 11, 1923.

179,961. INNER TUBES AND RUBBER-TIRE COVERS. JOHN R. REILLY, Los Angeles, Calif.
Filed August 31, 1923. Serial No. 185,230. PUBLISHED DECEMBER 4, 1923.

179,962. CANDY. WALTER G. RODIGER, doing business as Cheeri-o Shoppe, Pasadena, Calif.
Filed July 9, 1923. Serial No. 182,997. PUBLISHED DECEMBER 11, 1923.

179,963. SHEETS, SHEETING, PILLOWCASES, AND BOLSTER COVERINGS OF COTTON. PEERLESS COTTON MILLS, Thomaston, Ga.
Filed July 9, 1923. Serial No. 182,991. PUBLISHED DECEMBER 4, 1923.

179,964. STEREOTYPE CASTING, COOLING, AND FINISHING MACHINES. WOOD NEWSPAPER MACHINERY CORPORATION, New York, N. Y.
Filed October 8, 1923. Serial No. 186,736. PUBLISHED DECEMBER 4, 1923.

179,965. SPRAYERS AND PARTS THEREOF. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed October 15, 1923. Serial No. 187,001. PUBLISHED DECEMBER 4, 1923.

179,966. SPRAYERS AND PARTS THEREOF. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed October 15, 1923. Serial No. 186,999. PUBLISHED DECEMBER 4, 1923.

179,967. PAINTS—NAMELY, COLD-WATER PAINTS, CALCIMINES, WATER COLORS, WALL TINTS, WALL PAINTS, AND WALL SIZES. MILTON D. SWARTZ, doing business as Baltimore Water Paint Company, Baltimore, Md.
Filed October 10, 1923. Serial No. 186,810. PUBLISHED DECEMBER 4, 1923.

179,968. CORDUROYS, VELVETEENS, AND COTTON PIECE GOODS. HOWLETT & HOCKMEYER CO., INC., New York, N. Y.
Filed August 22, 1923. Serial No. 184,855. PUBLISHED NOVEMBER 20, 1923.

179,969. CHAIRS, BENCHES, STOOLS, DESKS, AND BOOKCASES FOR PARTICULAR USE IN SCHOOLS AND THE LIKE. COLUMBIA SCHOOL SUPPLY CO., Indianapolis, Ind.
Filed August 20, 1923. Serial No. 184,714. PUBLISHED NOVEMBER 27, 1923.

179,970. HINGES. THE STANLEY WORKS, New Britain, Conn.
Filed August 18, 1923. Serial No. 184,692. PUBLISHED DECEMBER 4, 1923.

179,971. SPRAYERS AND PARTS THEREOF. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed October 15, 1923. Serial No. 187,003. PUBLISHED DECEMBER 4, 1923.

179,972. SOFT DRINK AND SIRUP. HENRY-BROWN COMPANY, INC., Glendale, Calif.
Filed October 22, 1923. Serial No. 187,311. PUBLISHED DECEMBER 4, 1923.

179,973. WHITE COVERING COMPOSITION APPLIED LIKE A PAINT. SAMUEL CABOT, INC., Boston, Mass.
Filed October 22, 1923. Serial No. 187,295. PUBLISHED DECEMBER 4, 1923.

179,974. ICE CREAM. THE BUNKIE ICE COMPANY, LTD., Bunkie, La.
Filed August 29, 1923. Serial No. 185,105. PUBLISHED NOVEMBER 27, 1923.

179,975. CANNED TUNNY FISH. THE SEACOAST CANNING CO., Eastport, Me.
Filed August 28, 1923. Serial No. 185,094. PUBLISHED DECEMBER 4, 1923.

179,976. CHECK-INDORSING MACHINES. THE INTERNATIONAL POSTAL SUPPLY COMPANY OF NEW YORK, New York and Brooklyn, N. Y.
Filed August 22, 1923. Serial No. 184,858. PUBLISHED NOVEMBER 27, 1923.

179,977. CHECK-INDORSING MACHINES. THE INTERNATIONAL POSTAL SUPPLY COMPANY OF NEW YORK, New York and Brooklyn, N. Y.
Filed August 22, 1923. Serial No. 184,856. PUBLISHED NOVEMBER 27, 1923.

179,978. QUARTZ LAMPS USED FOR THERAPEUTIC PURPOSES. HANOVIA CHEMICAL & MANUFACTURING Co., Newark, N. J.
Filed August 29, 1923. Serial No. 185,123. PUBLISHED DECEMBER 4, 1923.

179,979. TRACTORS AND ROAD-GRADING MACHINES. THE GRAY TRACTOR Co., INC., Minneapolis, Minn.
Filed August 29, 1923. Serial No. 185,120. PUBLISHED DECEMBER 4, 1923.

179,980. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed August 29, 1923. Serial No. 185,114. PUBLISHED NOVEMBER 20, 1923.

179,981. SANITARY ELASTIC WOVEN BELTS AND SANITARY COTTON NAPKINS FOR WOMEN. FULLER-MORRISSON COMPANY, Chicago, Ill.
Filed August 31, 1923. Serial No. 185,218. PUBLISHED DECEMBER 4, 1923.

179,982. CANNED FRUITS. F. G. WOOL PACKING COMPANY, San Jose, Calif.
Filed August 29, 1923. Serial No. 185,168. PUBLISHED DECEMBER 4, 1923.

179,983. LIQUID PAINT AND VARNISH REMOVER. NATIONAL RENOVATING & SUPPLY Co., Kansas City, Mo.
Filed August 29, 1923. Serial No. 185,135. PUBLISHED DECEMBER 4, 1923.

179,984. HAIR NETS. NAMCO PRODUCTS CORPORATION, New York, N. Y.
Filed September 4, 1923. Serial No. 185,308. PUBLISHED NOVEMBER 13, 1923.

179,985. BOVINE, SWINISH, AND MUTTON MEAT, AND BOVINE, SWINISH, AND MUTTON MEAT PRODUCTS, HAMS, SAUSAGES, SCRAPPLE, MEAT LOAF, SAUSAGE MEAT, LARD, AND BACON. N. AUTH PROVISION COMPANY, Washington, D. C.
Filed September 4, 1923. Serial No. 185,282. PUBLISHED DECEMBER 4, 1923.

179,986. MOTHPROOF BAGS. THE ROSETH CORPORATION, Brooklyn, N. Y.
Filed September 1, 1923. Serial No. 185,265. PUBLISHED NOVEMBER 27, 1923.

179,987. HOSIERY. CLIMAX HOSIERY MILLS, Athens, Ga.
Filed September 7, 1923. Serial No. 185,449. PUBLISHED DECEMBER 4, 1923.

179,988. PLASTIC PREPARATION COMPOSED CHIEFLY OF CELLULOSE AND SOLD IN CONTAINERS FOR USE AS A SUBSTITUTE FOR WOOD. NECOL INDUSTRIAL COLLODIONS, LIMITED, London, England.
Filed September 6, 1923. Serial No. 185,375. PUBLISHED DECEMBER 4, 1923.

179,989. SEMIBITUMINOUS COAL. PINE RIDGE COAL COMPANY, Detroit, Mich.
Filed September 4, 1923. Serial No. 185,310. PUBLISHED DECEMBER 4, 1923.

179,990. HAIR NETS. BETSY ROSS HAIR NET CORP., New York, N. Y.
Filed September 8, 1923. Serial No. 185,509. PUBLISHED NOVEMBER 13, 1923.

179,991. HOSIERY FOR MEN. NEWMAN & Co., New York, N. Y.
Filed September 7, 1923. Serial No. 185,458. PUBLISHED DECEMBER 4, 1923.

179,992. HOSIERY. HANES HOSIERY MILLS COMPANY, Winston-Salem, N. C.
Filed September 7, 1923. Serial No. 185,455. PUBLISHED DECEMBER 4, 1923.

179,993. BOYS' SHIRTS AND BOYS' BLOUSES. CYRUS P. GORDON, New York, N. Y.
Filed September 7, 1923. Serial No. 185,455. PUBLISHED DECEMBER 4, 1923.

179,994. SILK AND COTTON PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed September 8, 1923. Serial No. 185,545. PUBLISHED NOVEMBER 20, 1923.

179,995. MEN'S TEXTILE-FABRIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS. PRIDE UNDERWEAR Co. INC., New York, N. Y.
Filed September 8, 1923. Serial No. 185,585. PUBLISHED DECEMBER 4, 1923.

179,996. PACKING RINGS MADE OF RUBBER AND ASBESTOS OR TEXTILE FABRIC. JOHNS-MANVILLE, INC., New York, N. Y.
Filed November 3, 1922. Serial No. 171,540. PUBLISHED JULY 17, 1923.

179,997. PORTLAND CEMENT STUCCO MIXTURE. WILLIAM H. PLATNER, doing business as Konkrete Exterior Stucco Company, Omaha, Nebr.
Filed October 16, 1922. Serial No. 170,786. PUBLISHED DECEMBER 4, 1923.

179,998. MEAT PRODUCTS—NAMELY, BOLOGNA SAUSAGE, PRESSED HAM, MINCED HAM, BLOOD HEADCHEESE, WHITE HEADCHEESE, FRANKFURTERS, BRAUNSCHWEIGER, HAM ROLL, PORK ROLL, LUNCHEON LOAF, MINCED LUNCHEON, AND PRESSED LUNCHEON. HERBERT L. HANDY, Springfield, Mass.
Filed October 23, 1922. Serial No. 171,079. PUBLISHED DECEMBER 11, 1923.

179,999. RUBBER BOOTS AND SHOES. LA CROSSE RUBBER MILLS Co., La Crosse, Wis.
Filed October 30, 1922. Serial No. 171,370. PUBLISHED DECEMBER 4, 1923.

180,000. CYCLES—NAMELY, FOOT-PROPELLED CYCLES KNOWN AS BICYCLES AND MOTOR-PROPELLED CYCLES KNOWN AS MOTOR CYCLES. EMBLEM MANUFACTURING COMPANY, Angola, N. Y.
Filed September 7, 1922. Serial No. 169,159. PUBLISHED DECEMBER 4, 1923.

180,001. CANDY. WALTER O. BIRK CANDY COMPANY, Chicago, Ill.
Filed September 16, 1922. Serial No. 169,525. PUBLISHED DECEMBER 11, 1923.

180,002. WOMEN'S, MISSES', AND CHILDREN'S HATS. GERALDINE HAT Co., New York, N. Y.
Filed October 9, 1922. Serial No. 170,482. PUBLISHED NOVEMBER 27, 1923.

180,003. COTTON PIECE GOODS. MINOT, HOOPER & Co., New York, N. Y.
Filed August 30, 1922. Serial No. 168,896. PUBLISHED DECEMBER 4, 1923.

180,004. CERTAIN BLANK FORMS. THE MANI-FOLD COMPANY, Cleveland, Ohio.
Filed August 28, 1922. Serial No. 168,773. PUBLISHED DECEMBER 4, 1923.

180,005. BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, OR TEXTILE MATERIAL. THOMAS G. PLANT COMPANY, Boston, Mass.
Filed July 19, 1922. Serial No. 167,097. PUBLISHED DECEMBER 4, 1923.

180,006. SHOES WHICH ARE MADE FROM LEATHER OR FROM FABRIC OR FROM A COMBINATION OF LEATHER AND FABRIC. MORRIS S. PERELSTINE, Pittsburgh, Pa.
Filed August 7, 1922. Serial No. 167,893. PUBLISHED DECEMBER 4, 1923.

180,007. PIN TICKETS, PAPER CLIPS, TAGS, AND THUMB TACKS. NORSTING PIN TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y.
Filed June 28, 1922. Serial No. 166,199. PUBLISHED DECEMBER 4, 1923.

180,008. WOOLEN PIECE GOODS. AMERICAN INTERSEAS CORPORATION, New York, N. Y.
Filed July 14, 1922. Serial No. 166,866. PUBLISHED DECEMBER 4, 1923.

180,009. SOAP. WARREN SOAP MANUFACTURING COMPANY, Boston, Mass.
Filed July 15, 1922. Serial No. 166,966. PUBLISHED DECEMBER 11, 1923.

180,010. POWDER PUFFS. THE ESPIEM COMPANY, New York, N. Y.
Filed June 24, 1922. Serial No. 165,989. PUBLISHED DECEMBER 19, 1922.

180,011. FRESH PEACHES. FRUIT HAVEN FARM, Woodbury, Ga.
Filed June 26, 1922. Serial No. 166,053. PUBLISHED DECEMBER 11, 1923.

180,012. IMITATION-MINK-FUR COATS. AGINES BROTHERS, New York, N. Y.
Filed May 12, 1922. Serial No. 163,728. PUBLISHED NOVEMBER 13, 1923.

180,013. LEATHER SHOES. ROSENWASSER BROS., INC., Astoria, N. Y.
Filed May 18, 1922. Serial No. 164,071. PUBLISHED DECEMBER 4, 1923.

180,014. BREAKFAST CEREAL AND REMEDIAL FOOD. PHOSPHO FOOD Co. INC., Los Angeles, Calif.
Filed June 19, 1922. Serial No. 165,716. PUBLISHED DECEMBER 11, 1923.

180,015. CANDY. AMBROSIA CHOCOLATE Co., Milwaukee, Wis.
Filed Nov. 13, 1922. Serial No. 171,888. PUBLISHED DECEMBER 11, 1923.

180,016. OLEOMARGARINE. STANDARD NUT MARGARINE Co., Indianapolis, Ind.
Filed April 1, 1922. Serial No. 161,649. PUBLISHED DECEMBER 11, 1923.

180,017. ANIMATED-SHADOW-CASTING DEVICES. BARON H. SCOTFORD, Atlantic City, N. J.
Filed April 1, 1922. Serial No. 161,653. PUBLISHED DECEMBER 11, 1923.

180,018. BREAD AND ROLLS. PETER M. DORSCH, Washington, D. C.
Filed March 18, 1922. Serial No. 160,875. PUBLISHED DECEMBER 11, 1923.

180,019. RICE AND RICE FLOUR. ROSENBERG BROS. & Co., San Francisco, Calif.
Filed March 22, 1922. Serial No. 161,062. PUBLISHED DECEMBER 11, 1923.

180,020. CORSETS, BRASSIÈRES, HATS, CAPS, AND WOMEN'S AND CHILDREN'S DRESSES AND WAISTS. R. H. WHITE COMPANY, Boston, Mass.
Filed February 8, 1922. Serial No. 159,071. PUBLISHED AUGUST 15, 1922.

180,021. CHEESE. J. W. KLENSCH & Co. INCORPORATED, New York, N. Y.
Filed February 23, 1922. Serial No. 159,709. PUBLISHED DECEMBER 11, 1923.

180,022. DAIRY FEEDS. ONTARIO MILLING COMPANY, INCORPORATED, Oswego, N. Y.
Filed March 7, 1922. Serial No. 160,297. PUBLISHED DECEMBER 11, 1923.

180,023. PACKING-HOUSE PRODUCTS—VIZ, HAM, BACON, LARD, SAUSAGE, MEAT ROLL, AND MINCED LUNCHEON SPECIALTY. WILMINGTON PROVISION COMPANY, Wilmington, Del.
Filed February 2, 1922. Serial No. 158,808. PUBLISHED DECEMBER 4, 1923.

180,024. PACKING-HOUSE PRODUCTS—VIZ, LARD, HAM, BACON, SCRAPPLE AND SOUSE; AND FARM PRODUCTS—VIZ, BUTTER AND EGGS. WILMINGTON PROVISION COMPANY, Wilmington, Del.
Filed February 2, 1922. Serial No. 158,809. PUBLISHED DECEMBER 4, 1923.

180,025. WOMEN'S UNDERWEAR COMPOSED OF TEXTILE FABRICS, BLOOMERS, BATHING AND ATHLETIC SUITS. HERMAN SACKS, Chicago, Ill.
Filed February 1, 1922. Serial No. 158,736. PUBLISHED NOVEMBER 27, 1923.

180,026. CONTAINERS FOR COFFEE, TEA, SPICES, RICE, ETC. B. FISCHER & Co., INC., New York, N. Y.
Filed October 17, 1921. Serial No. 154,181. PUBLISHED DECEMBER 11, 1923.

180,027. CHEESE. EMPIRE CHEESE COMPANY, New York, N. Y.
Filed December 24, 1921. Serial No. 157,092. PUBLISHED DECEMBER 11, 1923.

180,028. [WITHDRAWN.]

180,029. PERIODICAL PUBLISHED MONTHLY AND CIRCULATED IN THE LAUNDRY TRADE. LAUNDRY AGE PUBLISHING COMPANY INC., New York, N. Y.
Filed August 24, 1921. Serial No. 152,131. PUBLISHED NOVEMBER 13, 1923.

180,030. PAINTERS' AND DECORATORS' DROP CLOTHS. LEEK BROTHERS, Morristown, N. J.
Filed July 26, 1921. Serial No. 150,969. PUBLISHED DECEMBER 4, 1923.

180,031. HAND SOAPS. FRANKLIN STEPHENS, Atlantic City, N. J.
Filed July 29, 1921. Serial No. 151,104. PUBLISHED DECEMBER 11, 1923.

180,032. KERCHIEFS AND HANDKERCHIEFS. S. E. RAINS, doing business as S. E. Rains Company, New York, N. Y.
Filed August 6, 1921. Serial No. 151,521. PUBLISHED DECEMBER 4, 1923.

180,033. ENVELOPE-ADDRESSING STENCILS. GASTONE BONIFACIO, New York, N. Y.
Filed July 18, 1921. Serial No. 150,505. PUBLISHED DECEMBER 4, 1923.

180,034. ARTISTS' SETS FOR CHILDREN, CONSISTING OF PAINTS, PAINT BOXES, PAINT CONTAINERS, PAINT BOARDS, BRUSHES, EASELS, PALETTES, PALETTE KNIVES, AND CANVASES. ELEPHANT STUDIOS, San Francisco, Calif.
Filed May 10, 1922. Serial No. 163,622. PUBLISHED DECEMBER 11, 1923.

180,035. WHEAT FLOUR. HOLT & COMPANY, New York, N. Y.
Filed January 29, 1919. Serial No. 115,504. PUBLISHED DECEMBER 11, 1923.

180,036. MALT SUGAR FOR BAKING PURPOSES. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed September 7, 1923. Serial No. 185,498. PUBLISHED DECEMBER 4, 1923.

180,037. BOYS' SHIRTS AND BOYS' BLOUSES. CYRUS P. GORDON, New York, N. Y.
Filed September 7, 1923. Serial No. 185,456. PUBLISHED DECEMBER 4, 1923.

180,038. PREPARATION FOR PRESERVING, SOFTENING, AND WATERPROOFING LEATHER. THE SNYDERIZE CO., Hanford, Calif.
Filed September 4, 1923. Serial No. 185,318. PUBLISHED DECEMBER 11, 1923.

180,039. CANDY. JOSEPHINE B. FRAWLEY, doing business as Betsy Ross Candy Shops; Mrs. Frawley's Betsy Ross Candy Shops, and Mrs. Frawley's, Indianapolis, Ind.
Filed September 8, 1923. Serial No. 185,514. PUBLISHED DECEMBER 11, 1923.

180,040. HAIR NETS. BENJAMIN S. FREEDMAN COMPANY, Scranton, Pa.
Filed September 8, 1923. Serial No. 185,515. PUBLISHED DECEMBER 4, 1923.

180,041. FOOD PRODUCTS—VIZ, CHOCOLATE MALTED MILK. S. W. BROWN CO., INC., Glendale, Calif., assignor to The Comalt Co., Inc., a Corporation.
Filed September 10, 1923. Serial No. 185,556. PUBLISHED DECEMBER 11, 1923.

180,042. NET AND SILK LACE PIECE GOODS AND DRAPED LACE VEILS. DAVID E. SCHWAB & COMPANY INC., New York, N. Y.
Filed August 28, 1923. Serial No. 185,093. PUBLISHED DECEMBER 4, 1923.

180,043. JACKETS FOR WATER HEATERS AND BOILERS TO CONSERVE HEAT. BASTIAN-MORLEY CO., Laporte, Ind.
Filed August 29, 1923. Serial No. 185,102. PUBLISHED DECEMBER 11, 1923.

180,044. LADIES' MUSLIN UNDERWEAR. HARRIS & BARNETT, New York, N. Y.
Filed September 10, 1923. Serial No. 185,581. PUBLISHED DECEMBER 4, 1923.

180,045. CHEWING GUM. LISTERATED GUM CORPORATION, New York, N. Y.
Filed August 25, 1923. Serial No. 184,978. PUBLISHED DECEMBER 11, 1923.

180,046. LIQUID PREPARATION USED FOR CONCRETE AND METAL TANK LINING. THE PRO-TAR MANUFCTURING COMPANY, Kansas City, Mo.
Filed August 27, 1923. Serial No. 185,041. PUBLISHED DECEMBER 4, 1923.

180,047. PUBLICATION ISSUED WEEKLY. HENRY GEORGE REGAN, New York, N. Y.
Filed August 28, 1923. Serial No. 185,091. PUBLISHED DECEMBER 4, 1923.

180,048. CHEWING GUM. LISTERATED GUM CORPORATION, New York, N. Y.
Filed August 25, 1923. Serial No. 184,977. PUBLISHED DECEMBER 11, 1923.

180,049. WOMEN'S SHOES OF LEATHER. INTERNATIONAL SHOE COMPANY, St. Louis, Mo.
Filed August 25, 1923. Serial No. 184,970. PUBLISHED NOVEMBER 27, 1923.

180,050. LEATHER SHOES. PINCUS & TOBIAS INC., Brooklyn, N. Y.
Filed August 23, 1923. Serial No. 184,917. PUBLISHED NOVEMBER 27, 1923.

180,051. FURNACE MORTAR. KEYSTONE REFRACTORIES COMPANY, Jersey City, N. J.
Filed August 23, 1923. Serial No. 184,913. PUBLISHED DECEMBER 4, 1923.

180,052. SHOES MADE WHOLLY OR IN PART OF LEATHER. WALL, STREETER & DOYLE CO., North Adams, Mass.
Filed August 21, 1923. Serial No. 184,807. PUBLISHED NOVEMBER 27, 1923.

180,053. CANDY. SIOUX CANDY COMPANY, Sioux City, Iowa.
Filed August 18, 1923. Serial No. 184,687. PUBLISHED DECEMBER 4, 1923.

180,054. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. J. P. HARTRAY SHOE CO., Chicago, Ill.
Filed August 20, 1923. Serial No. 184,727. PUBLISHED NOVEMBER 27, 1923.

180,055. CANDY. ALBERT WIDDIS, doing business as Tawas Candy Company, Tawas City, Mich.
Filed August 20, 1923. Serial No. 184,777. PUBLISHED DECEMBER 11, 1923.

180,056. STRAW HATS AND FELT HATS WORN BY MEN, WOMEN, AND CHILDREN. DUNLAP & CO., New York, N. Y.
Filed August 21, 1923. Serial No. 184,786. PUBLISHED NOVEMBER 27, 1923.

180,057. SOAP CREAMS. GRAND UNION TEA CO., Brooklyn, N. Y.
Filed August 15, 1923. Serial No. 184,497. PUBLISHED DECEMBER 11, 1923.

180,058. A GAME. MEI REN COMPANY, INC., Shanghai, China.
Filed August 16, 1923. Serial No. 184,556. PUBLISHED DECEMBER 4, 1923.

180,059. FRESH VEGETABLES—NAMELY, ONIONS. DINGFELDER & BALISH, New York, N. Y.
Filed August 18, 1923. Serial No. 184,650. PUBLISHED DECEMBER 11, 1923.

180,060. FRESH DECIDUOUS FRUITS. JAMES F. ELLIOT, doing business as Stillwater Orchards Co., Courtland, Calif.
Filed August 18, 1923. Serial No. 184,661. PUBLISHED DECEMBER 4, 1923.

180,061. LADIES' HATS. LOWENGART & COMPANY, Portland, Oreg.
Filed August 8, 1923. Serial No. 184,208. PUBLISHED NOVEMBER 27, 1923.

180,062. DANCE-FLOOR DRESSING. THEODORE HERZOG, Los Angeles, Calif.
Filed August 9, 1923. Serial No. 184,243. PUBLISHED DECEMBER 11, 1923.

180,063. EGGS. ERNST BECK, Lebanon, Mo.
Filed April 9, 1923. Serial No. 178,808. PUBLISHED DECEMBER 11, 1923.

180,064. BUTTER. IRA O. WISE, Marionville, Mo.
Filed April 5, 1923. Serial No. 178,650. PUBLISHED DECEMBER 11, 1923.

180,065. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed March 27, 1923. Serial No. 178,150. PUBLISHED MAY 8, 1923.

180,066. PIPE AND BOILER INSULATING MATERIALS AND REFRIGERATOR-PIPE INSULATIONS. MURDOFF-SPICER MANUFACTURING COMPANY, Los Angeles, Calif.
Filed March 26, 1923. Serial No. 178,057. PUBLISHED DECEMBER 4, 1923.

180,067. LEATHER BOOTS AND SHOES. C. H. DALY & SON SHOE COMPANY, INC., Abington, Mass.
Filed April 2, 1923. Serial No. 178,432. PUBLISHED DECEMBER 4, 1923.

180,068. CORSETS, CORSET WAISTS, BRASSIÈRES, BANDEAUX, AND BELTS USED AS ORDINARY CLOTHING. ROYAL WORCESTER CORSET COMPANY, Worcester, Mass.
Filed April 26, 1923. Serial No. 179,744. PUBLISHED NOVEMBER 13, 1923.

180,069. CORN SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed April 25, 1923. Serial No. 179,687. PUBLISHED DECEMBER 11, 1923.

180,070. FOOD PRODUCT COMPOSED OF CHOCOLATE, COCOA, SUGAR, AND MILK. H. BLOUNT HUNTER, doing business as The Choc-o-Vita Company, Norfolk, Va.
Filed April 18, 1923. Serial No. 179,304. PUBLISHED DECEMBER 4, 1923.

180,071. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. TRUSCON STEEL COMPANY, doing business as The Truscon Laboratories, Detroit, Mich.
Filed April 16, 1923. Serial No. 179,244. PUBLISHED DECEMBER 11, 1923.

180,072. MAYONNAISE, SALAD AND COOKING OIL, OLIVE OIL, AND TARTAR SAUCE. JOE R. BERGER, doing business as Joe R. Berger Food Products Company, Cincinnati, Ohio.
Filed May 15, 1923. Serial No. 180,649. PUBLISHED DECEMBER 11, 1923.

180,073. TAPIOCA PREPARATIONS—NAMELY, TAPIOCA PUDDINGS OF DIFFERENT FLAVORS. MINUTE TAPIOCA COMPANY, Orange, Mass.
Filed May 12, 1923. Serial No. 180,546. PUBLISHED DECEMBER 4, 1923.

180,074. FOOTWEAR—NAMELY, BOOTS AND SHOES AND MOCCASINS MADE EITHER SOLELY OF LEATHER OR WITH LEATHER UPPERS AND SOLES OF RUBBER OR FABRIC OR COMBINATIONS OF THESE MATERIALS. G. H. BASS & CO., Wilton, Me.
Filed May 9, 1923. Serial No. 180,354. PUBLISHED NOVEMBER 20, 1923.

180,075. FROZEN CONFECTIONS. FRANK W. EPPERSON, Oakland, Calif.
Filed May 8, 1923. Serial No. 180,330. PUBLISHED DECEMBER 11, 1923.

180,076. CANNED BLUEBERRIES. CHANDLER RIVER CO-OPERATIVE CANNING ASSOCIATION, Jonesboro, Me.
Filed May 5, 1923. Serial No. 180,208. PUBLISHED DECEMBER 11, 1923.

180,077. MEN'S, WOMEN'S, AND CHILDREN'S FABRIC GLOVES. B. F. MONTAGUE COMPANY INC., New York, N. Y.
Filed May 24, 1923. Serial No. 181,084. PUBLISHED DECEMBER 4, 1923.

180,078. NONALCOHOLIC MALTLESS FRUIT SIRUPS FOR SOFT DRINKS. S. S. PIERCE CO., Boston, Mass.
Filed May 23, 1923. Serial No. 181,041. PUBLISHED DECEMBER 4, 1923.

180,079. CORN-MEAL MUSH AND PHILADELPHIA SCRAPPLE. COLONIAL MUSH COMPANY, Chicago, Ill.
Filed May 22, 1923. Serial No. 180,964. PUBLISHED DECEMBER 11, 1923.

180,080. POTATOES IN THEIR NATURAL STATE. HOWARD C. WHITEHEAD, Salem, N. J.
Filed May 19, 1923. Serial No. 180,915. PUBLISHED DECEMBER 11, 1923.

180,081. COTTON PIECE GOODS. OTTO H. HINCK, New York, N. Y.
Filed May 15, 1923. Serial No. 180,664. PUBLISHED DECEMBER 4, 1923.

180,082. CALIBRATED SURGICAL AND CLINICAL SYRINGES. HIERGESELL BROTHERS, Philadelphia, Pa.
Filed May 15, 1923. Serial No. 180,662. PUBLISHED DECEMBER 11, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

180,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 174,302.



Particular description of goods.—An Insecticide Preparation for Repelling and Killing Flies.
Claims use since 1915.

180,084. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DUNLOP TIRE AND RUBBER CORPORATION OF AMERICA, Buffalo, N. Y. Filed Mar. 8, 1923. Serial No. 177,124.

DUNLOP

Particular description of goods.—Golf Balls.
Claims use since April, 1907.

180,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEMENT-REA CO. INC., Terre Haute, Ind. Filed Jan. 31, 1923. Serial No. 175,335.

KLEAN KUT KORN

Particular description of goods.—Canned Corn.
Claims use since Sept. 7, 1922.

180,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAFER-CAVE CREAMERY CO. INC., Joplin, Mo. Filed May 9, 1923. Serial No. 180,397.

Pancake

Particular description of goods.—Butter.
Claims use since Jan. 1, 1923.

180,087. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SHEET METAL PRODUCTS CO., Minneapolis, Minn. Filed Apr. 27, 1923. Serial No. 179,827.

TWIN CITY

Particular description of goods.—Warm-Air Furnaces.
Claims use since Dec. 26, 1922.

180,088. (CLASS 45. BEVERAGES, NONALCOHOLIC.) W. G. JACKSON, doing business as Jackson's Peach Blend Company, Spartanburg, S. C. Filed Mar. 19, 1923. Serial No. 177,671

Jackson's
PEACH BLEND

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Dec. 31, 1922.

180,089. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) O-SAN COMPANY, St. Louis, Mo. Filed Aug. 7, 1923. Serial No. 184,179.

BEST-TEST
BEST BY TEST

Particular description of goods.—Medicinal Preparations—Namely, Shampoo Preparations, Epsom Salts, Glycerin Suppositories, Sulphur, Seidlits Powders, Insect Powders, Senna, Castor Oil, Glycerin, Petrolatum Cream of Tartar, Salts of Tartar, Alum, Mustard, and Cathartic Pills.
Claims use since Oct. 15, 1917.

180,090. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WATSON FOOD PRODUCTS CO., INC., Fort Plain, N. Y. Filed July 3, 1923. Serial No. 182,782.

PYKRUST

Particular description of goods.—Prepared Dough for Use in Making Pie Crusts, Timbales, Tarts, Cheese Straws, Etc.
Claims use since May 29, 1915.

180,091. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y. Filed June 8, 1923. Serial No. 181,708.

THERMOCAP

Particular description of goods.—Electrically-Heated Head Caps for the Treatment of the Scalp.
Claims use since Jan. 9, 1923.

180,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. FRANKLYN SMITH, Seattle, Wash. Filed Sept. 13, 1923. Serial No. 185,766.

ONE NIGHT
CHEST
RUB
2

Particular description of goods.—Salves Used in Treating Coughs, Colds, Hay Fever, Bronchitis, Tonsillitis, Sore Throat, Influenza, Grippe, Incipient Pneumonia, Croup, Whooping Cough, Neuralgia, Rheumatism, Piles, Burns, Inflammation, and Congestion.
Claims use since May 15, 1922.

180,093. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,480.

GENUINE LORRAINE
SEERSUCKER

Particular description of goods.—Cotton Goods in the Piece, Silk and Cotton Piece Goods, and Silk and Wool Piece Goods.
Claims use since April, 1917.

180,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEYE SEAFOODS, INC., New York, N. Y. Filed Oct. 3, 1923. Serial No. 186,493.



Particular description of goods.—Fresh Fish Which is Cleaned, Dressed, and Filleted, Pan Dressed, or Cut into Steaks, Wrapped, and Put Up in Packages or Boxes in the Raw State, Also Shell Fish—Namely, Crabs and Crab Meat, Lobsters, and Lobster Meat—Similarly Dressed, Wrapped, and Boxed, Also in the Raw State.
Claims use since Dec. 20, 1922.

180,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIRDSEYE SEAFOODS, INC., New York, N. Y. Filed Oct. 3, 1923. Serial No. 186,492.



Particular description of goods.—Fresh Fish Which is Cleaned, Dressed, and Filleted, Pan Dressed, or Cut into Steaks, Wrapped, and Put Up in Packages or Boxes in the Raw State, Also Shell Fish—Namely, Crabs and Crab Meat, Lobsters, and Lobster Meat—Similarly Dressed, Wrapped, and Boxed, Also in the Raw State.
Claims use since Dec. 20, 1922.

180,096. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) KARL H. HECKENHAUER, doing business as the Inter-State Company, Tipton, Ind. Filed Oct. 2, 1923. Serial No. 186,473.

NO-COLD

Particular description of goods.—Brooder Stoves.
Claims use since October, 1919.

180,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES H. WATSON, Los Angeles, Calif. Filed Oct. 8, 1923. Serial No. 186,734.



Particular description of goods.—A Liquid Preparation for Rheumatism, Neuralgia, Neuritis, and Allied Ailments.
Claims use since July 1, 1922.

180,098. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE CONTINENTAL FURNITURE COMPANY, High Point, N. C. Filed Oct. 8, 1923. Serial No. 186,697.

CONTINENTAL
C. F. CO.
SUPERIOR QUALITY

Particular description of goods.—Bedroom and Dining-Room Suites.
Claims use since July 1, 1903.

180,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HUGO KARL MUELLER, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 186,605.



Particular description of goods.—Medicine Used in the Treatment of Arteriosclerosis.
Claims use for not less than one year.

180,100. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLENN C. WOOLEY, Hale, Colo. Filed Oct. 15, 1923. Serial No. 187,031.

Glenn C.
Wooley's

Particular description of goods.—Medicine for the Treatment of Asthma and Hay Fever.
Claims use since July 15, 1921.

180,101. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LAVAL CHEMICAL CO., Holyoke, Mass. Filed Oct. 9, 1923. Serial No. 156,750.

RED PEPPER

Particular description of goods.—Ointment for the Treatment of Lumbago, Neuralgia, Sore Throat, Tonsillitis, Rheumatism, Bronchitis, Croup, Sore Muscles, Cold in Chest, Back, or Joints, Bruises, Stiff Neck, Congestion or Sprains, Headache, and Frosted Feet.
Claims use since January, 1919.

180,102. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SULLIVAN MACHINERY COMPANY, Boston, Mass., and Chicago, Ill. Filed Dec. 23, 1920. Serial No. 141,473.

TIPTURN

Particular description of goods.—Mining-Machine Trucks.
Claims use since Nov. 29, 1920.

180,103. (CLASS 7. CORDAGE.) THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed June 10, 1921. Serial No. 148,938.

TUGLINE

Particular description of goods.—Towropes.
Claims use since May 24, 1921.

180,104. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERHARDT CHILI POWDER CO., San Antonio, Tex. Filed Oct. 25, 1921. Serial No. 154,559.

DEVILED CHILI MEAT

Particular description of goods.—Canned Meat.
Claims use since 1912.

180,105. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ILLINOIS BRASS MFG. CO., Chicago, Ill. Filed Nov. 7, 1921. Serial No. 155,095.

NO WAST

Particular description of goods.—Gasoline-Tank Caps for Vehicles.
Claims use since Aug. 18, 1921.

180,106. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HEWITT BROS. SOAP CO., Dayton, Ohio. Filed Dec. 5, 1921. Serial No. 156,275.

"OX-O-DIUM"

Particular description of goods.—Laundry Soaps in Powder Form.
Claims use since June 1, 1921.

180,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELI LILLY & COMPANY, Indianapolis, Ind. Filed Jan. 14, 1922. Serial No. 157,981.

NU-SALT

Particular description of goods.—Table Salt Containing Iodine.
Claims use since Oct. 8, 1921.

180,108. (CLASS 39. CLOTHING.) PAUL L. ZESBAUGH, Minneapolis, Minn. Filed Apr. 1, 1922. Serial No. 161,665.

NOBIND

Particular description of goods.—Garters.
Claims use since Feb. 22, 1922.

180,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. HENRY KOENIG CO., Cincinnati, Ohio. Filed June 23, 1922. Serial No. 165,962.

"Every Sip Satisfies"

Particular description of goods.—Coffee.
Claims use since June 13, 1922.

180,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. HENRY KOENIG CO., Cincinnati, Ohio. Filed June 23, 1922. Serial No. 165,963.

EVER-FRESH VACUUM PACKED COFFEE

Particular description of goods.—Coffee.
Claims use since May 16, 1922.

180,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FEDERAL COFFEE COMPANY, Cleveland, Ohio. Filed June 26, 1922. Serial No. 166,055.

TASTE-RITE

Particular description of goods.—Coffee.
Claims use since April, 1918.

180,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT A. MORRISS, doing business as Kelp Water Company, Minneapolis, Minn. Filed Aug. 21, 1922. Serial No. 168,542.

KELP WATER

Particular description of goods.—Remedy for Internal Use as a Preventive in the Development of Simple Goiter.
Claims use since Jan. 1, 1920.

180,113. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PENNSYLVANIA NOVELTY MFG. CO., Philadelphia, Pa. Filed Oct. 16, 1922. Serial No. 170,783.

THE CRUMBER PERFECT TABLE SWEEPER

Particular description of goods.—Table Sweeper Adapted to Remove Particles from a Surface.
Claims use since Oct. 9, 1922.

180,114. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1922. Serial No. 171,591.

ARABIAN PALM

Particular description of goods.—Soap.
Claims use since July, 1922.

180,115. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1922. Serial No. 171,592.

Karapalm

Particular description of goods.—Soap.
Claims use since July, 1922.

180,116. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SIDNEY C. PORTER, doing business as The Durable Products Co., East Liverpool, Ohio. Filed Nov. 7, 1922. Serial No. 171,706.

EVER-BRITE

Particular description of goods.—A Lacquerlike Liquid Coating Composition for Preserving the Luster of Polished Metal Surfaces.
Claims use since Aug. 10, 1922.

180,117. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PENN BROS., Lawrence, Mass. Filed Nov. 13, 1922. Serial No. 171,949.

EVER CLEAN

Particular description of goods.—Catamenial Bandages.
Claims use since Nov. 8, 1921.

180,118. (CLASS 33. GLASSWARE.) MACBETH-EVANS GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 6, 1922. Serial No. 172,997.

Nu-type

Particular description of goods.—Glass Lamp Chimneys.
Claims use since June 2, 1922.

180,119. (CLASS 39. CLOTHING.) BLUM & KOCH, INC., New York, N. Y. Filed Dec. 7, 1922. Serial No. 173,029.

"PROSSA CRUSHER"

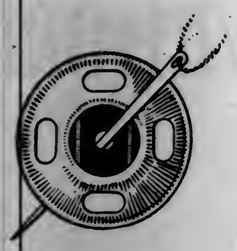
Particular description of goods.—Men's Straw Hats.
Claims use since July, 1922.

180,120. (CLASS 12. CONSTRUCTION MATERIALS.) GEORGIA GRANITE CORPORATION, Elberton, Ga. Filed Dec. 18, 1922. Serial No. 173,482.

"THE STONE ETERNAL"

Particular description of goods.—Granite.
Claims use since about January, 1919.

180,121. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WALDES & CO., INC., Long Island City, N. Y. Filed Dec. 23, 1922. Serial No. 173,795.



Particular description of goods.—Snap Fasteners.
Claims use since Dec. 19, 1922.

180,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE V. GROSS & COMPANY, New York, N. Y., assignor to William A. Sherry, Los Angeles, Calif. Filed July 29, 1920. Serial No. 135,556.

EXCELSIOR

Particular description of goods.—Food-Flavoring Extracts, Saccharin, and Vanilla Beans.
Claims use since Jan. 2, 1905.

180,123. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ALMA MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Aug. 31, 1923. Serial No. 185,196.

REGULATOR-LEVER

Particular description of goods.—Buckles Made of Steel and Brass, Plain and Nickel Finish, for Use on Cloth or Leather Straps.
Claims use since on or about Aug. 24, 1922.

180,124. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MOUND CITY BOTTLING COMPANY, St. Louis, Mo. Filed Dec. 17, 1923. Serial No. 189,808.

My Grape

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Apr. 1, 1922.

180,125. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MOUND CITY BOTTLING COMPANY, St. Louis, Mo. Filed Dec. 17, 1923. Serial No. 189,809.

My Cherry

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making Same.
Claims use since Apr. 1, 1922.

180,126. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923. Serial No. 190,218.

STANDARD OIL COMPANY OF LOUISIANA

Particular description of goods.—Floor Oil, Floor Dressing, and Liquid Gloss.
Claims use since Dec. 13, 1913.

180,127. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHAS. A. BRANSTON, INC., Buffalo, N. Y. Filed Dec. 27, 1923. Serial No. 190,149.

BRANSTON

Particular description of goods.—Violet-Ray High-Frequency Generators.
Claims use since June, 1919.

180,128. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 4, 1923. Serial No. 189,202.

SAYLES FINISHING PLANTS, INC.

Particular description of goods.—Cotton Piece Goods.
Claims use for about three years.

180,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATHERINE WOJTASINSKI, doing business as W. Wojtasinski Drug Co., Boston, Mass. Filed Dec. 5, 1923. Serial No. 189,286.

KATRO-LEK

Particular description of goods.—Cathartic Medicine.
Claims use since Oct. 1, 1921.

180,130. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NORTH DIGHTON STOVE COMPANY, Taunton, Mass. Filed Dec. 14, 1923. Serial No. 189,687.

Stratford

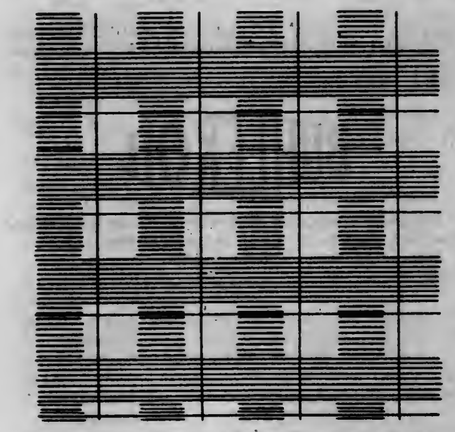
Particular description of goods.—Coal Stoves and Ranges.
Claims use since 1910.

180,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT WILBUR JOHNSON, Cincinnati, Ohio. Filed Nov. 19, 1923. Serial No. 188,560.

IRONTABS

Particular description of goods.—Tonic, Blood Purifier, and Body Builder.
Claims use since Aug. 1, 1922.

180,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARMAND COMPANY, Des Moines, Iowa. Filed Nov. 22, 1923. Serial No. 188,654.



Particular description of goods.—Face Powder, Talcum Powder, Cold-Cream Face Powder, Rouge, Vanishing Cream, Cold Cream, Lip Stick, Shampoo Preparations, Perfume, Complexion Creams, Hand Lotions, and Toilet Waters.
Claims use since June, 1922.

180,133. (CLASS 32. FURNITURE AND UPHOLSTERY.) LOUIS GOLDBERG, doing business as Louis Goldberg Furniture Co., St. Louis, Mo. Filed Nov. 28, 1923. Serial No. 189,000.

"NO PLACE LIKE HOME-IF WE FURNISH IT"

Particular description of goods.—Beds, Household Chairs, Household Tables, Dressers, Bookcases, Wardrobes, Desks, and Couches.
Claims use since Nov. 1, 1921.

180,134. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SMITH AND SMITH, Bonaparte, Iowa. Filed Nov. 28, 1923. Serial No. 189,015.

SOLID COLOR

Particular description of goods.—Playing Cards.
Claims use since September, 1922.

180,135. (CLASS 39. CLOTHING.) WILLIAM A. MALONEY, Newton, Mass. Filed Nov. 3, 1923. Serial No. 187,948.

CHANGE OVER

Particular description of goods.—Shoe Heels of Leather, Rubber, or Compositions.
Claims use since Feb. 22, 1921.

180,136. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923. Serial No. 187,716.

CABOT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 21, 1922.

180,137. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923. Serial No. 187,722.

MILFORD

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 3, 1921.

180,138. (CLASS 39. CLOTHING.) ARR-TEE KNITTING MILLS, Philadelphia, Pa. Filed Nov. 13, 1923. Serial No. 188,261.



The lining appearing upon drawing is not intended to indicate color.
Particular description of goods.—Sweaters.
Claims use since August, 1922.

180,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Oct. 22, 1923. Serial No. 187,339.



Particular description of goods.—Condensed Buttermilk.
Claims use since September, 1922.

180,140. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY M. PHILLIPS, doing business as Phillips Milling Co., Sacramento, Calif. Filed Oct. 22, 1923. Serial No. 187,345.

PHILLIPS MINUTE

Particular description of goods.—Rice.
Claims use since February, 1922.

180,141. (CLASS 39. CLOTHING.) THEO. BERGMANN SHOE MANUFACTURING CO., Portland, Oreg. Filed Oct. 24, 1923. Serial No. 187,404.

Multnomah

Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations.
Claims use since 1922.

180,142. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MELNIKER HAMMOCK MFG. CO., INC., Brooklyn, N. Y. Filed Oct. 16, 1923. Serial No. 187,063.

Melniker

Particular description of goods.—Combination Baby Hammock and Swing and Canopy Therefor.
Claims use since Feb. 28, 1919.

180,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED LABORATORIES, INC., New York, N. Y. Filed Oct. 18, 1923. Serial No. 187,147.

BUHLER OIL

Particular description of goods.—Medicine for External Use Only for the Treatment of Rheumatism.
Claims use since November, 1921.

LABELS

REGISTERED FEBRUARY 19, 1924.

26,942.—*Title:* ADVANCE FELTBAK (WITHOUT CORKS) TRANSMISSION LINING. For Transmission Linings. ADVANCE AUTOMOBILE ACCESSORIES CORPORATION, Chicago, Ill. Published December 1, 1923.

26,943.—*Title:* THE SHEIK. For Candy. ALLEN-QUALLEY COMPANY, St. Paul, Minn. Published December 20, 1923.

26,944.—*Title:* THE REAL STEER SLED. For Sleds. CHICAGO ROLLER SKATE COMPANY, Chicago, Ill. Published November 30, 1923.

26,945.—*Title:* EVERETT ORCHARDS OF VERMONT. For Apples. THE EDWARD H. EVERETT CO., Bennington, Vt. Published December 20, 1923.

26,946.—*Title:* DR. WHITE'S LAXATIVE VEGETABLE LIVER PILLS. For Pills for the Relief of Constipation and Biliousness. FIRST NATIONAL LABORATORIES, INC., Lehighton, Pa. Published January 26, 1922.

26,947.—*Title:* GELFAND'S COMBINATION RELISH. For Combination Relish. THE GELFAND MANUFACTURING CO., Baltimore, Md. Published December 1, 1923.

26,948.—*Title:* GOODMAN'S PURE EGG ALPHABETS. For Pure Egg Alphabets. A. GOODMAN & SONS, INC., New York, N. Y. Published December 15, 1923.

26,949.—*Title:* GOODMAN'S PATENT MEAL. For Matzoth Meal. A. GOODMAN & SONS, INC., New York, N. Y. Published December 15, 1923.

26,950.—*Title:* GOODMAN'S PURE EGG FLAKES. For Pure Egg Flakes. A. GOODMAN & SONS, INC., New York, N. Y. Published December 15, 1923.

26,951.—*Title:* $1000.00 GUARANTEED TOES-UP. For Insecticide for Killing Flies and Mosquitoes. B. HELLER & COMPANY, Chicago, Ill. Published January 2, 1924.

26,952.—*Title:* WHITE NECTAR HOLSTEIN MILK. For Milk. THE HOLSTEIN FRIESIAN ASSOCIATION OF AMERICA, Chicago, Ill. Published January 3, 1924.

26,953.—*Title:* KLECKNER'S HAIR NEW. For Preparation for Use in Hair Dressing and as a Hair Preserver and Restorer. J. W. KLECKNER, Cloquet, Minn. Published December 27, 1923.

26,954.—*Title:* WAFFLED WHOLE WHEAT. For Cereal Foods. JOSEPH LOUFEK, Keokuk, Iowa. Published January 2, 1924.

26,955.—*Title:* GARCIA CORONA. For Cigars. R. J. LYTLE, Chicago, Ill. Published January 4, 1924.

26,956.—*Title:* SPRINGFIELD DAIRY PRODUCTS CO. CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Springfield Dairy Products Co., Springfield, Ohio. Published January 3, 1924.

26,957.—*Title:* ASSORTED KISSES. For Cartons Containing Candy. MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published December 29, 1923.

26,958.—*Title:* CINNAMON BALLS. For Candy. MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published January 9, 1924.

26,959.—*Title:* CHOCOLATES. For Boxes Containing Candy. MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published January 10, 1924.

26,960.—*Title:* MOTOR-KLEEN. For Carbon Remover for Gas Engines. MOTOR-KLEEN CORPORATION, Long Island City, N. Y. Published January 8, 1924.

26,961.—*Title:* TONGUE TWISTERS. For Licorice Candy. NATIONAL LICORICE COMPANY, Brooklyn, N. Y. Published May 15, 1923.

26,962.—*Title:* NAPACO. For Canned Kraut. NATIONAL PACKING CORPORATION, Ogden, Utah. Published November 17, 1923.

26,963.—*Title:* BLUE BUNNY. For Canned Tomatoes. NATIONAL PACKING CORPORATION, Ogden, Utah. Published November 17, 1923.

26,964.—*Title:* RED MOUNT. For Canned Tomatoes. NATIONAL PACKING CORPORATION, Ogden, Utah. Published November 17, 1923.

26,965.—*Title:* SUNNY GARDEN. For Canned Tomatoes. NATIONAL PACKING CORPORATION, Ogden, Utah. Published November 17, 1923.

26,966.—*Title:* MOSS-ROSE. For Bleached Cotton, Cambrics, and Nainsooks. QUINN-MARSHALL COMPANY, Lynchburg, Va. Published October 1, 1923.

26,967.—*Title:* LYONS' CALIFORNIA ORCHARD SCENES, SERIES NO. 1. For Glacé Fruits. JOS. C. RAAS, San Francisco, Calif. Published July 25, 1923.

26,968.—*Title:* RHEUM-A-HERBO. For Remedy for Rheumatism in All Its Forms. THE RHEUMATISM HERB CO., Detroit, Mich., and Los Angeles, Calif. Published December 5, 1923.

26,969.—*Title:* NU-DRI VISIBLE STENCIL. For Cutting Stencils for Duplicating Machines. ROWE-WILLIAMS, INC., Newark, N. J. Published November 1, 1923.

26,970.—*Title:* SANKEY'S LIFE OF LEATHER. For a Waterproof Leather Preserver for Belting, Harness, Shoes, and All Kinds of Leather. DAVID W. SANKEY, Mifflinburg, Pa. Published December 15, 1922.

26,971.—*Title:* HIGH LIFE. For Ginger Ale. H. C. SCHRANCK COMPANY, Milwaukee, Wis. Published October 22, 1923.

26,972.—*Title:* SCHULZE'S POTATO ROLLS. For Rolls. SCHULZE BAKING COMPANY, Chicago, Ill. Published January 10, 1924.

26,973.—*Title:* SCHULZE'S COFFEE CAKE. For Coffee Cake. SCHULZE BAKING COMPANY, Chicago, Ill. Published January 5, 1924.

26,974.—*Title:* HONEY GIRL. For Buns. SCHULZE BAKING COMPANY, Chicago, Ill. Published December 20, 1923.

26,975.—*Title:* THE GUMP FAMILY. For Candy. SIDNEY SMITH, Chicago, Ill. Published November 1, 1923.

26,976.—*Title:* SMILE OF CUBA. For Cigars. F. X. SMITH'S SONS CO., McSherrystown, Pa. Published January 5, 1924.

26,977.—*Title:* WURZBURGER MALT SUPREME. For Malt Extract or Sirup. HARRISON D. STERRICK, doing business as National Food Corporation, Pittsburgh, Pa. Published September 1, 1921.

26,978.—*Title:* THYRO-LOGEN A HALOGEN BEARING FOOD. For a Medicinal Preparation (Food for Thyroid Gland). THYRO-LOGEN LABORATORIES, INC., Los Angeles, Calif. Published May 9, 1923.

26,979.—*Title:* THYRO-LOGEN IS A HEALTHFUL, HARMLESS FOOD FOR THE THYROID GLAND. For a Medicinal Preparation (Food for Thyroid Gland). THYRO-LOGEN LABORATORIES, INC., Los Angeles, Calif. Published May 9, 1923.

26,980.—*Title:* 2 MINUTE. For Jelly. TWO-MINUTE JELLY COMPANY, Indianapolis, Ind. Published October 16, 1923.

26,981.—*Title:* PIERCE'S. For Tomatoes. THE UTAH CANNING COMPANY, Ogden, Utah. Published November 15, 1923.

26,982.—*Title:* WHITAKER'S BLUE POINT. For Cigars. J. F. WHITAKER, Salt Lake City, Utah. Published December 24, 1923.

26,983.—*Title:* ROSE BUD. For Coffee. THE WIDLAR Co., Cleveland, Ohio. Published November 23, 1923.

26,984.—*Title:* FIRST CALL. For Tomatoes. WIMBERLEY GROCER COMPANY, Jonesboro, Ark. Published October 12, 1923.

26,985.—*Title:* UMPIRE. For Citrous Fruits. WINTER HAVEN CITRUS GROWERS ASSOCIATION, Winterhaven, Fla. Published October 23, 1923.

26,986.—*Title:* CAPIDOME. For Citrous Fruits. WINTER HAVEN CITRUS GROWERS ASSOCIATION, Winterhaven, Fla. Published October 23, 1923.

26,987.—*Title:* SPOTLIGHT. For Hosiery. RICHMOND WOLLSTEIN, Rome, Ga. Published January 1, 1924.

PRINTS

REGISTERED FEBRUARY 19, 1924.

7,183.—*Title:* IT'S BETTER WHEN—IT'S CAL'D-WELL. For Cribs. THE CALDWELL MANUFACTURING COMPANY, Columbus, Ohio. Published December 29, 1923.

7,184.—*Title:* SOME LIKE IT HOT, SOME LIKE IT COLD. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published January 7, 1924.

7,185.—*Title:* A MODEL DIET TABLE FOR THE BABY. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published January 11, 1924.

7,186.—*Title:* BUNNY MONEY BANK. For Paper Banks. EMPIRE PAPER PRODUCTS CORPORATION, New York, N. Y. Published September 4, 1923.

7,187.—*Title:* FAMOUS FAIN KAMEL KOAT. For Sweaters and Sweater Coats. FAIN KNITTING MILLS, INC., New York, N. Y. Published September 1, 1923.

7,188.—*Title:* FAMOUS FAIN USEFUL KNITTED GIFTS FOR XMAS GREETINGS. For Hosiery, Underwear, Sweaters, and Knitted Products. FAIN KNITTING MILLS, INC., New York, N. Y. Published November 20, 1923.

7,189.—*Title:* OBLIQUE PROJECTION. For Watches and Watch Movements. HANS GISIGER, doing business as Times Watch Co., New York, N. Y. Published January 2, 1924.

7,190.—*Title:* PURE. For Kirkman's Floating Soap. KIRKMAN & SON, Brooklyn, N. Y. Published October 15, 1923.

7,191.—*Title:* GREAT LAKES TO THE OCEAN. For Cleansing Material. EDMUND F. MCCRUMISH, doing business as Tidewater Products Company, Duluth, Minn. Published October 22, 1923.

7,192.—*Title:* WATCH YOUR IN STEP. For Arch Uplifters. THE OHIO TRUSS Co., Cincinnati, Ohio. Published December 10, 1923.

7,193.—*Title:* POST TOASTIES — IMPROVED CORN FLAKES. For Cereal Breakfast Food. POSTUM CEREAL Co. INC., Battle Creek, Mich. Published February 19, 1923.

7,194.—*Title:* SECURITY BLANKET FASTENER. For a Fastener for Maintaining Bed Coverings in Position. SECURITY BLANKET FASTENER Co., New York, N. Y. Published January 5, 1920.

7,195.—*Title:* THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1923.

7,196.—*Title:* AT NIGHT ESPECIALLY, GUARD THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 15, 1923.

7,197.—*Title:* THESE PRODUCTS SHOULD BE IN YOUR MEDICINE CABINET. For Household Products. E. R. SQUIBB & SONS, New York, N. Y. Published October 13, 1923.

7,198.—*Title:* YOUR WHOLE LIFE LONG—. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 6, 1923.

7,199.—*Title:* FIGHT ACID-EROSION AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 1, 1923.

7,200.—*Title:* A VITALLY IMPORTANT PLACE IN EVERY HOME. For Household Products. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1923.

7,201.—*Title:* WAFELDOG. For Wafeldog. THE WAFELDOG CORPORATION, Washington, D. C. Published December 18, 1923.

7,202.—*Title:* WE CARRY A FULL LINE. For Musical Instruments and Supplies. JAMES E. WARD, Springfield, Ohio. Published September 1, 1922.

7,203.—*Title:* MAY DAYS AND ALL DAYS BUY WARD'S CAKES. For Cake. WARD BAKING COMPANY, New York, N. Y. Published April 27, 1923.

7,204.—*Title:* THE WHITE WHEAT LOAF WITH THE VITAMINS. For Bread. WARD BAKING COMPANY, New York, N. Y. Published April 19, 1923.

7,205.—*Title:* A GOOD HUNCH FOR THE SCHOOL LUNCH. For Cakes. WARD BAKING COMPANY, New York, N. Y. Published September 25, 1923.

7,206.—*Title:* BUY THE CAKE WITH A REPUTATION. For Cakes. WARD BAKING COMPANY, New York, N. Y. Published June 22, 1923.

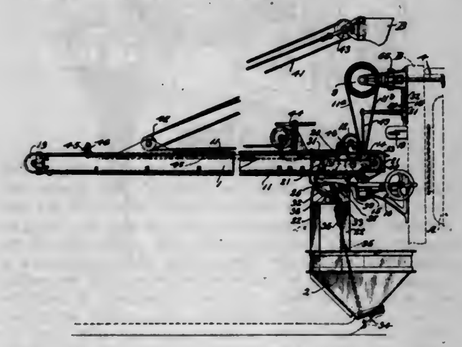
7,207.—*Title:* KEEPS HIM SMILING. For Bread. WARD BAKING COMPANY, New York, N. Y. Published April 30, 1923.

REISSUES

FEBRUARY 19, 1924.

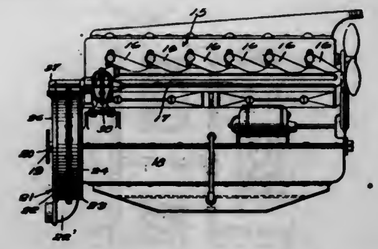
15,767.—[WITHDRAWN.]

15,768. MACHINE FOR DISTRIBUTING CONCRETE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 17, 1923. Serial No. 675,390. Original No. 1,411,217, dated Mar. 28, 1922, Serial No. 397,431, filed July 19, 1920. 26 Claims. (Cl. 94—44.)



1. In a concrete distributing machine of the boom and bucket type, a distributing element, a horizontally swinging elevated support to carry this element in spaced relation to the ground, means for controlling delivery of plastic concrete by said element in a layer of measured thickness, and power operating means common to the distributing element and delivery controlling means for actuating the same whilst the elevated support is stationary.

15,769. INTERNAL-COMBUSTION ENGINE. WILLIAM W. MCELRATH, Jr., East Radford, Va., assignor to Turbo Motor Company, Trenton N. J., a Corporation of New Jersey. Filed Dec. 14, 1920. Serial No. 430,752. Original No. 1,319,100, dated Oct. 21, 1919, Serial No. 190,224, filed Sept. 7, 1917. 8 Claims. (Cl. 60—13.)



7. An internal combustion engine of the character described having power cylinders, means for scavenging the exhaust gases from said power cylinders comprising a blower rotated at a speed proportional to the speed of the engine, and a fluid pressure turbine arranged to operate on said exhaust gases to increase the efficiency and power output of said engine.

15,770. THROTTLING VALVE. EDWARD E. RICHARDSON, Toledo, Ohio, assignor, by direct and mesne assignments, to The R. & S. Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Jan. 31, 1920. Serial No. 355,365. Original No. 1,270,327, dated June 25, 1918, Serial No. 101,959, filed June 6, 1916. 19 Claims. (Cl. 277—1.)



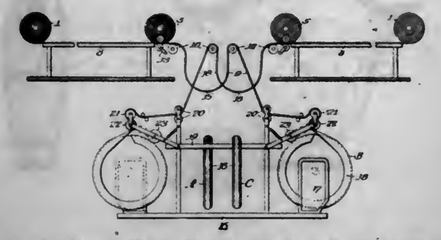
1. A valve comprising a casing, a plurality of shutter members therein, one or more other shutter members therein, said members being located in approximately a straight line, and the members of the two groups occurring alternately, and means for operating the members of the one group in one direction and the members of the other group in another direction.

15,771. METHOD OF PRODUCING VISUAL EFFECTS IN THE AIR AND APPARATUS THEREFOR. JOHN C. SAVAGE, Ryde, Isle of Wight, England, assignor to The Skywriting Corporation of America, a Corporation of Delaware. Filed Apr. 19, 1923. Serial No. 633,222. Original No. 1,426,413, dated Aug. 22, 1922, Serial No. 432,237, filed Dec. 21, 1920. 8 Claims. (Cl. 244—1.)



1. The method of producing advertising signs comprising alphabetical letters, words, and designs, suspended in the air, which consists in the production or storing in an aeroplane of a smoke-like material of persistent visibility and manœuvering said plane in paths corresponding with the form of the desired sign, whilst emitting a trail of said smoke-like material at such height and in such volume that an advertisement is formed readable with the naked eye by persons distant on the earth.

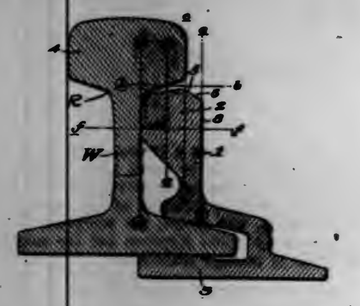
15,772. METHOD AND APPARATUS FOR MANUFACTURING TIRES. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 11, 1923. Serial No. 644,813. Original No. 1,398,749, dated Nov. 29, 1921, Serial No. 257,638, filed Oct. 10, 1918. Renewed Apr. 23, 1921, Serial No. 463,904. 19 Claims. (Cl. 154—10.)



1. In the process of manufacturing tires, the steps of cutting fabric into a plurality of strips, building a con-

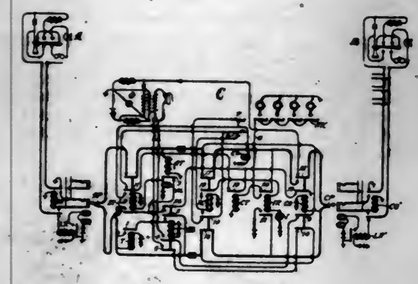
tinuous length from said strips, leading said length directly from said forming point to a core, and applying the fabric to the core.

15,773. CONSTRUCTION FOR RAIL JOINTS. WILLIAM P. THOMSON, New York, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1923. Serial No. 665,695. Original No. 1,374,782, dated Apr. 12, 1921, Serial No. 437,898, filed Jan. 17, 1921. 12 Claims. (Cl. 238—188.)



1. A rail joint, including the rail, clamping bolts, a spice bar having head clearance from the under side of the rail head and a loading engagement at the head fillet of the rail.

15,774. TELEPHONE SYSTEM WITH AUTOMATIC RINGING DISCONNECT. FRED SCHORNWOLF, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1920. Serial No. 362,537. Original No. 1,273,189, dated July 23, 1918, Serial No. 874,163, filed Nov. 27, 1914. 24 Claims. (Cl. 179—58.)



1. A telephone system comprising telephone lines terminating in multiple jacks, an operator's link circuit provided with plugs for interconnecting said lines via said multiple jacks, operator-controlled means for applying ringing current and continuing such application to the called line, means for interrupting such application of ringing current by a control exercised at both the calling and called substations, and means included in said last means and controlled solely by the calling subscriber, while said link circuit is interconnecting said lines, for freeing the calling subscriber's line from said link circuit

DESIGNS

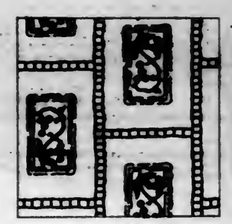
FEBRUARY 19, 1924.

63,991. LADY'S BAG. HENRI BARON, Montreal, Quebec, Canada. Filed Sept. 15, 1923. Serial No. 7,214. Term of patent 3½ years.



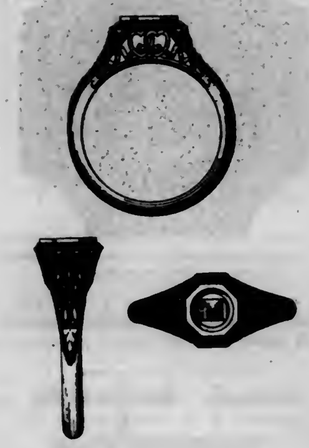
The ornamental design for lady's bag, as shown.

63,992. TEXTILE FABRIC. MATILEE IRENE BIXBY, New York, N. Y., assignor to M. Lowenstein & Sons, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 7, 1923. Serial No. 6,969. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

63,993. FINGER RING. BYARD F. BROGAN, Philadelphia, Pa. Filed Oct. 16, 1923. Serial No. 7,514. Term of patent 14 years.



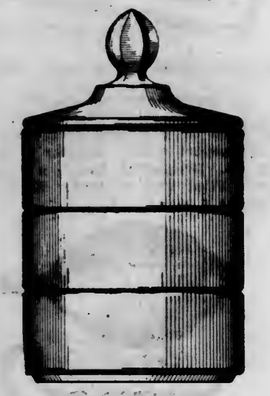
The ornamental design for a finger ring, as shown.

63,994. FINGER RING. ERNEST E. BROSS, Detroit, Mich. Filed Jan. 5, 1924. Serial No. 8,254. Term of patent 14 years.



The ornamental design for a finger ring, as shown.

63,995. SECTIONAL JAR. IRA M. CLARKE, New Martinsville, W. Va., assignor to The New Martinsville Glass Mfg. Co., New Martinsville, W. Va., a Corporation of West Virginia. Filed July 16, 1923. Serial No. 6,787. Term of patent 7 years.



An ornamental design for a sectional jar as shown.

63,996. COFFEEPOT. GEORGE E. CURTISS, New Britain, Conn., assignor to Landers, Frary and Clark, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 21, 1923. Serial No. 5,885. Term of patent 14 years.



The ornamental design for a coffeepot as shown.

63,997. PLATE FOR A WRISTBAND OR SIMILAR ARTICLE. ALBERT N. DAVIS, Providence, R. I. Filed Oct. 6, 1923. Serial No. 7,419. Term of patent 14 years.



The ornamental design for a plate for a wrist band or a similar article, as shown.

63,998. WATER-CLOSET BOWL. ARVID EK, Portland, Me. Filed Oct. 27, 1921. Serial No. 510,978. Term of patent 14 years.



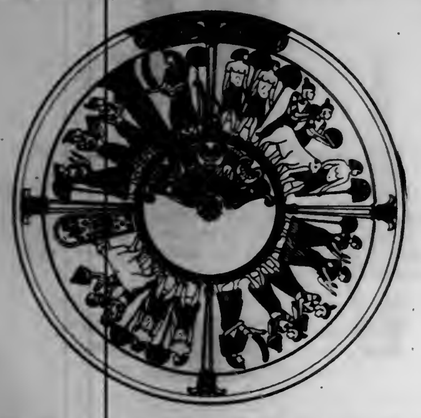
The ornamental design for a water closet bowl, as shown.

63,999. PITCHER OR SIMILAR ARTICLE. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 7, 1923. Serial No. 5,100. Term of patent 7 years.



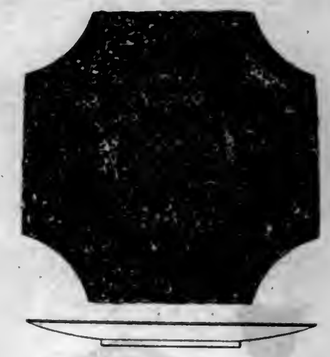
The ornamental design for pitcher or similar article substantially as shown.

64,000. TABLE MAT OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Apr. 4, 1923. Serial No. 5,697. Term of patent 3½ years.



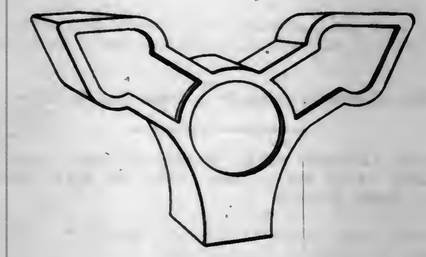
The ornamental design for a table mat or similar article substantially as shown.

64,001. PLATE OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Aug. 29, 1923. Serial No. 7,119. Term of patent 7 years.



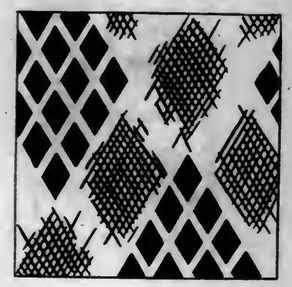
The ornamental design for a plate or similar article substantially as shown.

64,002. AUTOMOBILE SIGNAL. EDWARD TINKHAM GIBSON, Brooklyn, N. Y. Filed Nov. 3, 1922. Serial No. 4,212. Term of patent 7 years.



The ornamental design for an automobile signal as shown.

64,003. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,453. Term of patent 3½ years.



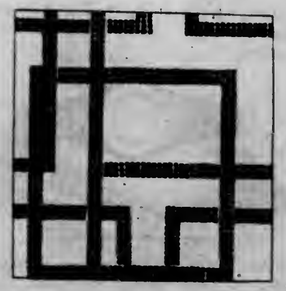
The ornamental design for a textile fabric or similar article as shown.

64,004. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,455. Term of patent 3½ years.



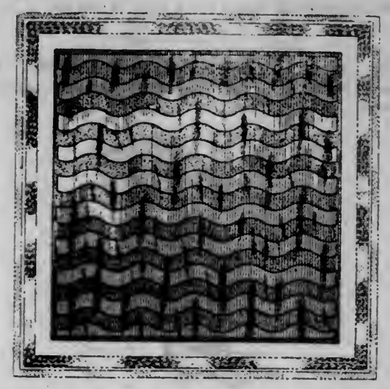
The ornamental design for a textile fabric or similar article as shown.

64,005. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,456. Term of patent 3½ years.



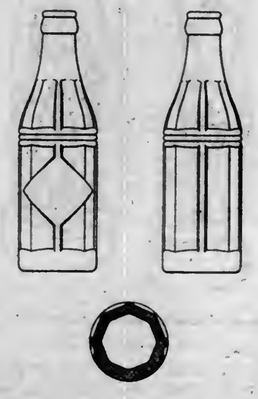
The ornamental design for a textile fabric or similar article as shown.

64,006. TABLE COVER OR ARTICLE OF SIMILAR NATURE. JAMES G. HARDY, New York, N. Y. Filed Mar. 14, 1923. Serial No. 5,475. Term of patent 14 years.



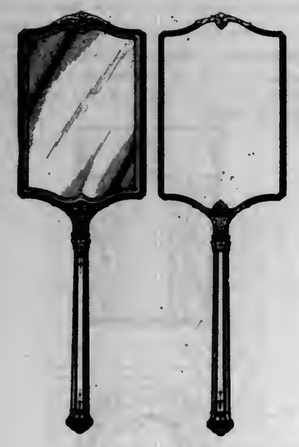
The ornamental design for a table cover or article of similar nature, substantially as shown.

64,007. BOTTLE. IRA B. HARKEY, New Orleans, La. Filed Nov. 5, 1923. Serial No. 7,681. Term of patent 7 years.



The ornamental design for a bottle, as shown.

64,008. HAND MIRROR OR SIMILAR ARTICLE. JOHN H. HARMSTONE, Attleboro, Mass., assignor to James E. Blake Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Dec. 1, 1923. Serial No. 7,935. Term of patent 7 years.



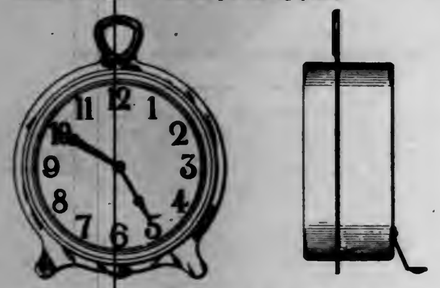
The ornamental design for a hand mirror or similar article.

64,009. STATUETTE. JAMES B. HARRINGTON, Norfolk, Va. Filed Mar. 20, 1923. Serial No. 5,547. Term of patent 3½ years.



The ornamental design for a statuette as shown.

64,010. CLOCK CASE. JOHN S. HARTLEY, Lynn, Mass., assignor to Hartley Clock Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1922. Serial No. 9[illegible]3. Term of patent 3½ years.



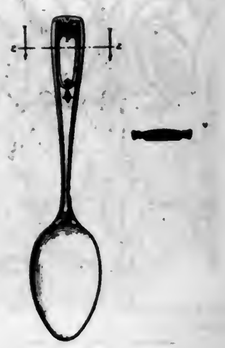
The ornamental design for a clock case as shown.

64,011. TUMBLER. EDGAR WILSON HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed Nov. 15, 1923. Serial No. 7,767. Term of patent 14 years.



The ornamental design for a tumbler as shown.

64,012. SPOON OR SIMILAR ARTICLE. GEORGE P. ITTIG, Bridgeport, Conn., assignor to Albert Pick & Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 8, 1923. Serial No. 6,442. Term of patent 3½ years.



The ornamental design for a spoon or similar article, as shown.

64,013. RING. RANDALL H. JONES, Indianapolis, Ind. Filed Sept. 27, 1923. Serial No. 7,347. Term of patent 3½ years.



The ornamental design for a ring, as shown.

64,014. RING. RANDALL H. JONES, Indianapolis, Ind. Filed Sept. 27, 1923. Serial No. 7,349. Term of patent 3½ years.



The ornamental design for a ring, as shown.

64,015. SPAT. DAVID KARGER, Milwaukee, Wis. Filed Sept. 4, 1923. Serial No. 7,146. Term of patent 14 years.



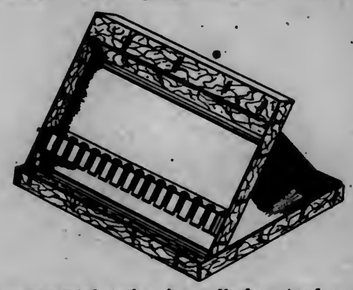
The ornamental design for a spat as shown.

64,016. RADIATOR. HOSFORD D. KELLOGG, Haverford, Pa. Filed July 20, 1922. Serial No. 3,139. Term of patent 3½ years.



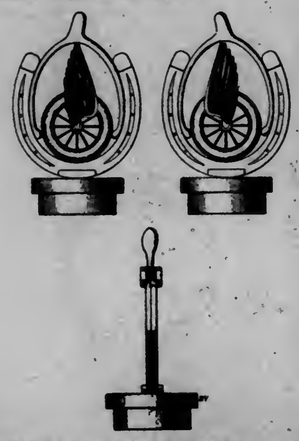
The ornamental design for a radiator substantially as shown.

64,017. DISPLAY STAND OR SIMILAR ARTICLE. DAVID KLEIN, New York, N. Y., assignor to Marx Finstone, Brooklyn, N. Y. Filed July 30, 1923. Serial No. 6,899. Term of patent 7 years.



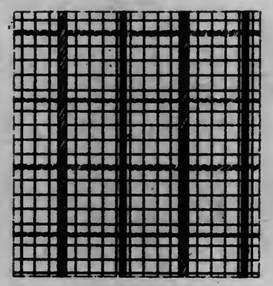
The ornamental design for a display stand or similar article, as shown.

64,018. RADIATOR-CAP ORNAMENT. CHARLES G. KOCH, Newark, N. J. Filed May 31, 1923. Serial No. 6,866. Term of patent 3½ years.



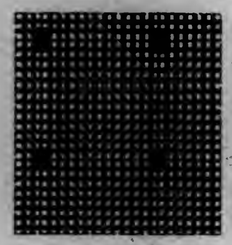
The ornamental design for a radiator cap ornament, as shown.

64,019. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed May 31, 1923. Serial No. 6,384. Term of patent 3½ years.



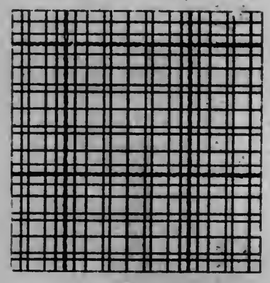
An ornamental design for textile fabric substantially as shown and described.

64,020. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed May 31, 1923. Serial No. 6,385. Term of patent 3½ years.



An ornamental design for textile fabric substantially as shown and described.

64,021. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed May 31, 1923. Serial No. 6,351. Term of patent 3½ years.



An ornamental design for textile fabric substantially as shown and described.

64,022. BOTTLE. GEORGE N. MAS, Lynchburg, Va. Filed July 28, 1923. Serial No. 6,889. Term of patent 14 years.



The ornamental design for a bottle, as shown.

64,023. SHOE SOLE. WARD MELVILLE, New York, N. Y. Filed May 9, 1923. Serial No. 6,117. Term of patent 14 years.



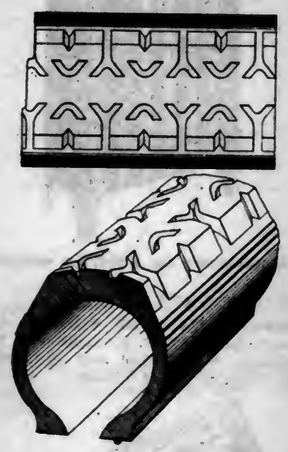
The ornamental design for a shoe sole, as shown.

64,024. LIGHTING-FIXTURE TASSEL. JOSEPH MILLER, New York, N. Y. Filed Oct. 25, 1923. Serial No. 7,597. Term of patent 3½ years.



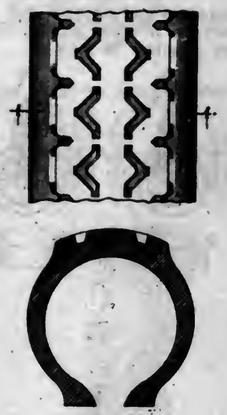
The ornamental design for a lighting fixture tassel, as shown.

64,025. TIRE TREAD. HAROLD D. MITCHELL, Brooklyn, N. Y., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 18, 1923. Serial No. 8,073. Term of patent 14 years.



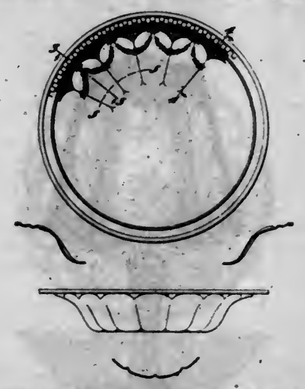
The ornamental design for a tire tread substantially as shown.

64,026. AUTOMOBILE TIRE. EDWARD D. NEWMAN, New York, N. Y. Filed June 29, 1922. Serial No. 2,893. Term of patent 7 years.



The ornamental design for an automobile tire as shown and described.

64,027. BONBON DISH OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1921. Serial No. 509,180. Term of patent 3½ years.



The ornamental design for a bonbon dish or analogous article, substantially as shown.

64,028. PINCUSHION. BENJAMIN F. PIERCE, Pine Bluff, N. C. Filed Feb. 3, 1923. Serial No. 5,071. Term of patent 3½ years.



The ornamental design for a pincushion as shown.

64,029. BOTTLE. SMITH DAVENPORT PICKETT, Atlanta, Ga. Filed Oct. 6, 1923. Serial No. 7,416. Term of patent 14 years.



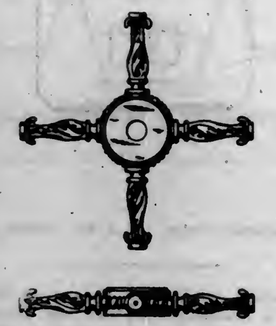
The ornamental design for a bottle, substantially as shown.

64,030. OUTDOOR SIGN. JAMES F. QUINN, Lowell, Mass., assignor to The Kimball System, Inc., Lowell, Mass., a Corporation of Massachusetts. Filed Nov. 16, 1923. Serial No. 7,786. Term of patent 14 years.



The ornamental design for an outdoor sign as shown and described.

64,031. SHADE SUPPORT. EDWARD C. RUTTENBERG, Chicago, Ill. Filed Feb. 3, 1923. Serial No. 5,070. Term of patent 3½ years.



The ornamental design for a shade support as shown.

64,032. FOLDABLE BOX OR CONTAINER. VASILIOS SAKELAROPOULOS, New York, N. Y. Filed Dec. 30, 1922. Serial No. 4,769. Term of patent 7 years.



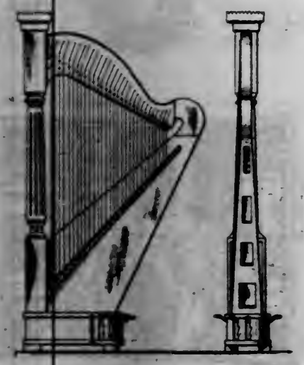
The ornamental design for a foldable box or container, as shown.

64,033. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1921. Serial No. 506,208. Term of patent 3½ years.



The ornamental design for a belt buckle frame, as shown.

64,034. HARP. WILLIAM B. STOUGHTON, Dubois, Pa., assignor to Stoughton Harp Company, Dubois, Pa., a Corporation of Delaware. Filed June 19, 1923. Serial No. 6,531. Term of patent 7 years.



The ornamental design for a harp, as shown.

64,035. COMBINED LAMP SHADE AND STAND. RAY WALTER THOMPSON, New York, N. Y. Filed Mar. 9, 1922. Serial No. 1,099. Term of patent 7 years.



The ornamental design for a combined lamp shade and stand substantially as shown.

64,036. ARM FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to The G. & G. Fixture Co., Newark, N. J., a Copartnership composed of William Goldberg and Abe Goldberg. Filed Nov. 6, 1923. Serial No. 7,695. Term of patent 7 years.



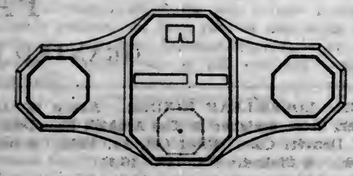
The ornamental design for an arm for lighting fixtures, as shown.

64,037. PLATE FOR LIGHTING FIXTURES. LESTER R. WELLMAN, Chicago, Ill., assignor to Friedley Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 14, 1923. Serial No. 7,205. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

64,038. INSTRUMENT DIAL PLATE. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 20, 1922. Serial No. 1,283. Term of patent 14 years.



The ornamental design for an instrument dial plate as shown.

64,039. INSTRUMENT DIAL PLATE. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 20, 1922. Serial No. 1,280. Term of patent 7 years.



The ornamental design for an instrument dial plate as shown.

PATENTS

GRANTED FEBRUARY 19, 1924.

1,483,862. LOOSE-LEAF BINDER. EARLE G. ALDEN, Denver, Colo., assignor to The Archlok Looseleaf Company, Denver, Colo. Filed Oct. 16, 1922. Serial No. 594,900. 4 Claims. (Cl. 129—10.)



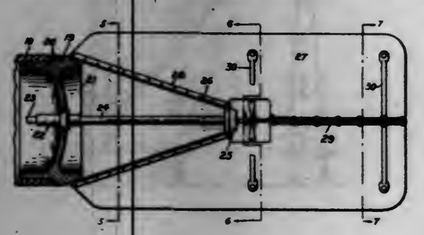
4. A lose leaf binder comprising a base board; a series of vertical standards fixed in said board and adapted to engage the sheets to be bound and a similar series of loop-shaped standards pivoted in said board and adapted to engage said first-mentioned standards, said standards being jointed to allow the addition of sections.

1,483,863. WHEEL HUB. CHARLES S. ASH, Detroit, Mich. Filed Aug. 10, 1918, Serial No. 249,274. Renewed June 8, 1923. 3 Claims. (Cl. 301—9.)



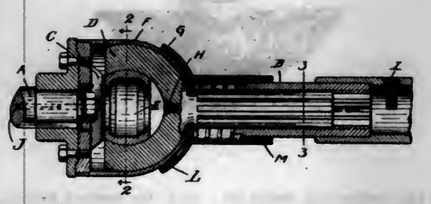
3. In a wheel, in combination, a hub provided with circumferentially spaced substantially rectangular apertures, the metal at two opposite sides of said apertures being turned outward to provide flat bearing surfaces, and a member to receive said hub having complementary driving lugs to enter said apertures, said driving lugs being of a dimension to fit snugly between the outturned side walls of said apertures and to clear the sides of said apertures radial of said hub.

1,483,864. BOMB BODY. WILLIAM A. BORDEN and CLAUDIUS H. M. ROBERTS, U. S. Army. Filed June 27, 1922. Serial No. 571,223. 5 Claims. (Cl. 102—2.) (Filed under the act of Mar. 3, 1883. 22 Stat L., 625.)



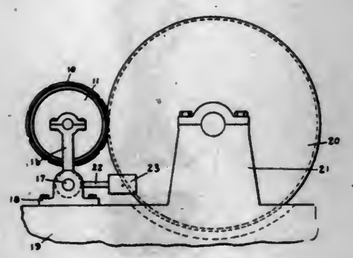
1. A bomb, including a body portion provided with a tapered nose, apertured to receive an adapter, a base plug secured in the rear end of the body, said plug formed with a rearwardly extending tapered annular flange, a tubular rod connected to the base plug, a base cap seated on the flange, fins secured to the base cap and means engaging the rod for securing the base cap in place.

1,483,865. MEANS FOR LUBRICATING INCASED UNIVERSAL JOINTS. ADNA GUERNSEY BOWEN, Medina, N. Y. Filed Apr. 21, 1919. Serial No. 291,660. 7 Claims. (Cl. 64—91.)



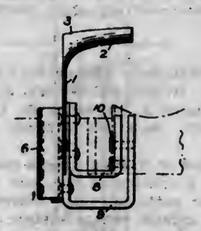
2. In an incased universal joint, one member of which has a reciprocating movement, of openings and valves so disposed in said mechanism as will tend to create a vacuum within the casing of such universal joint, and thereby to draw lubricant into the casing from a source of supply, substantially as described.

1,483,866. PROCESS OF MAKING TORIC LENSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to One-piece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed Feb. 10, 1919. Serial No. 276,190. 5 Claims. (Cl. 51—278.)



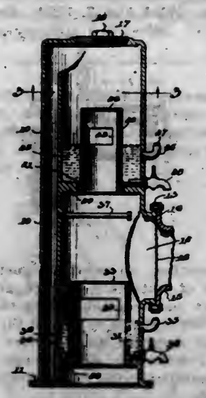
4. In the process of making toric lenses, forming the surface of one side of each of a series of lens blanks with a certain curvature, mounting the lens blanks on a lens blank holder with a plurality of blank holding surfaces each accurately shaped to substantially the same curvature as the inner surfaces of the lens blanks, forcibly pressing said lens blanks against the metal blank holder until their edges directly engage the metal surface thereof, grinding the other surfaces of said blanks while they are held on said lens blank holding means, and then polishing said blanks.

1,483,867. GUIDE. WILLIAM R. BULL, Springfield, Mass. Filed Oct. 31, 1922. Serial No. 598,204. 4 Claims. (Cl. 89—33.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



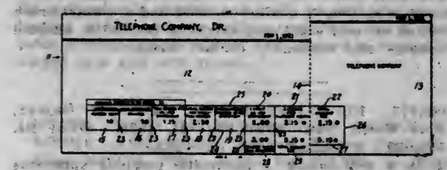
4. A cartridge belt guide, embodying a clamp for clamping to a gun mount and a guide plate carried by the clamp for guiding a cartridge belt over a gun, whereby the belt may be fed into the opposite side of the gun.

1,483,868. VENT FOR LIQUID CONTAINERS. VICTOR CLIFFORD, Tulsa, Okla., assignor to Petroleum Safety Appliance Company, Tulsa, Okla., a Corporation. Filed Aug. 25, 1922. Serial No. 584,373. 11 Claims. (Cl. 137—68.)



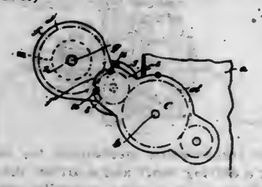
1. A device of the character described comprising an upright casing designed to be mounted upon a container and provided in one side with an opening, a pair of partitions within said casing above and below said opening, tubular members extending through said partitions and formed with openings and inverted cup-shaped valves extending over said tubular members and having their open ends sealed in a body of liquid on the partitions.

1,483,869. INVOICE SHEET. DE WITT N. CONKLIN, East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1921. Serial No. 499,528. 16 Claims. (Cl. 283—60.)



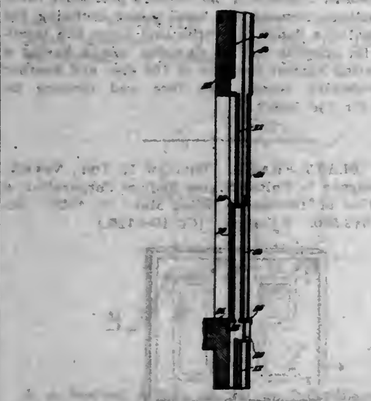
1. A telephone-bill-blank, for use in typewriting machines, comprising a body portion and a detachable side portion, the lower part of the blank being provided with short columns arranged in alignment so that entries may be typed therein without shifting the blank with reference to the printing line, said columns having respectively the headings "Number sent", "Charge", "Toll service etc. as per statement", "Local service and facilities charge", "Miscellaneous charges as per statement", "Credit as per statement", "Charges for current month" and "Total amount due", the last column being on the detachable portion, the body portion also being provided beneath the last two columns thereon with columns designated "Balance due on bill rendered" and "Total amount due."

1,483,870. OPERATING MECHANISM FOR THE COMMUTATORS OF AUTOMOBILE ENGINES. HORACE GEORGE CRITTENDEN, Joslin, South Australia, Australia. Filed July 28, 1921. Serial No. 488,255. 1 Claim. (Cl. 123—195.)



In operating mechanism for the commutator of an automobile engine, the combination with a self starting device having a toothed wheel in mesh with a toothed wheel on the cam shaft and an opening cut in the extended portion of a casting which is adapted to enclose the wheel and the said self starting arrangement, of a supplemental casing mounted on the said casting so as to embrace the walls of the said opening in the casting, a spindle rotatably journaled at one end in said supplemental casing and having its opposite end projecting through a flanged opening in the casing, a toothed wheel carried by the spindle and disposed in said casing and adapted to mesh with the first named toothed wheel of the starting device, and a timer casing having an open end adapted to embrace the flange inscribing the opening in the supplemental casing, the said spindle being adapted to project into the timer casing to rotate the mechanism enclosed therein.

1,483,871. ELEVATOR-GATE MECHANISM. WILLIAM A. DAVIS, Malden, Mass., assignor to Babcock-Davis Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 11, 1919. Serial No. 330,114. 5 Claims. (Cl. 20—19.)



1. An elevator gate mechanism comprising a two-part vertically sliding door at one side of the elevator well, the lower part being adapted to have the top edge flush with the floor level when the door is open, and two sup-

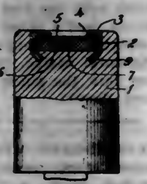
porting members for the lower part of the door positioned upon opposite sides of the door and extending throughout the width of the door opening, the supporting members having inclined faces which are adapted to receive and rigidly support correspondingly inclined faces formed upon the upper portion of the lower door section to rigidly support the section in a predetermined position with the upper edge flush with the tops of the supporting members.

1,483,872. POWER-TRANSMISSION MECHANISM. ALBERT A. DENSMORE, Brookline, Mass. Filed Oct. 11, 1922. Serial No. 593,844. 11 Claims. (Cl. 74—7.)



1. Power transmission mechanism for engine starting comprising a driving shaft and a driven shaft, a gear fast on said driven shaft, a gear normally eccentrically disposed on said driving shaft out of mesh with said first gear and capable of being centered on its shaft in which position it is in mesh with said first gear, and means associated with said driving shaft for centering the gear thereon to produce a driving connection between said shafts.

1,483,873. LUMINOUS DEVICE. WILLIAM H. DEY, Newark, N. J., assignor to United States Radium Corporation, a Corporation of Delaware. Filed Oct. 20, 1921. Serial No. 508,971. 4 Claims. (Cl. 240—1.)



1. A unitary luminous insert for the button or handle of a switch, comprising a disc provided with a recess, a luminous element disposed in the recess, a protective cover for the luminous element and bezel means enclosing the disc and having a flange to overlie said cover and terminating at its opposite end in clamping means having a portion bearing against the face of the disc and another portion projecting beyond this face and forming an anchorage for the insert.

1,483,874. PLATE FRAME. WILLIAM H. DEY, Newark, N. J., assignor to United States Radium Corporation, a Corporation of Delaware. Filed Mar. 10, 1922. Serial No. 542,580. 3 Claims. (Cl. 40—125.)



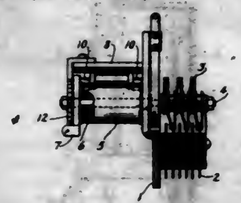
2. A frame having a pair of apertures therein defined by side and end walls and by an intermediate bar, the side walls of the frame being rearwardly and inwardly bent to form a slot, a pair of plates insertable in the slot and having their abutting edges concealed by the intermediate bar, and flanges extending from each end wall and bearing against the ends of the plates to hold said plates with their abutting edges concealed.

1,483,875. METHOD OF TREATING GYPSUM-CEMENT SURFACES. HUGO GALLINOWSKY, St. Louis, Mo., assignor to Eugene A. Heitkamp, St. Louis, Mo. Filed Apr. 14, 1923. Serial No. 632,163. 3 Claims. (Cl. 91—68.)

2. In a method of treating gypsum cement surfaces the application of a solution of one part of thiosulfate of sodium to four parts of water immediately after the setting of the gypsum cement surface and subsequently washing the surface with water.

3. A method of treating gypsum cement surfaces which consists in washing the surface with a solution of thiosulfate of sodium and later washing the surface with water.

1,483,876. ELECTROMAGNETIC STEP-BY-STEP SWITCH WITH MAGNETIC BRAKE. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1920. Serial No. 402,002. 4 Claims. (Cl. 200—105.)



1. In combination, an electromagnetic switch, comprising a bank of stationary contact members, rotatably movable contact members cooperating therewith, an electromagnetic brake operable to retard the rotation of said movable contact members, and a device operable to positively prevent overthrow of said movable contact members when said cooperation with the stationary contact members is effected.

4. An electromagnetic step-by-step switch, comprising an electromagnet, a core of nonmagnetic material for said electromagnet, a supporting plate of magnetic material forming a part of the magnetic circuit of said electromagnet and situated at one end thereof, a pole piece for the other end of said electromagnet, a rotatable shaft of magnetic material extending through said supporting plate, core and pole piece, an armature for said electromagnet, a stepping ratchet mounted on said shaft and rotatable therewith, a stepping pawl carried by said armature, operable to move said stepping ratchet one step upon each release movement of said armature, a stopping ratchet mounted on said shaft in close propinquity to said pole piece and adapted to be drawn into frictional engagement therewith upon energization of said electromagnet, a stationary contact member and a contact brush mounted on said shaft and rotatable therewith, adapted to engage said stationary contact member.

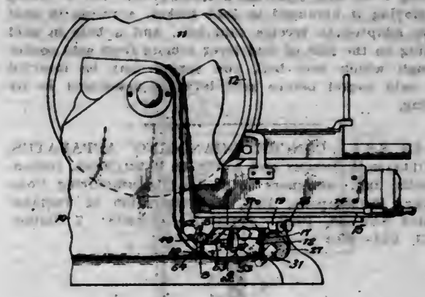
1,483,877. FLUID-LIFT PUMP. HARVEY H. GRACEY, Fort Worth, Tex. Filed Oct. 21, 1922. Serial No. 596,069. 3 Claims. (Cl. 103—233.)

1. In a well casing, a pneumatic pumping apparatus comprising an air chamber provided with an integral cap, a starting pipe suspended in said chamber and projecting through said cap and welded thereto, a discharge pipe connected to said starting pipe, said chamber being extended downwardly to form a sand screen, a perforated partition dividing said sand screen from said air chamber, a nipple projecting through said partition into said sand screen chamber and centrally into said starting pipe and



spaced therefrom, a tube projected through said partition and down into said sand screen for agitating the sand with compressed air and means for admitting compressed air into said air chamber.

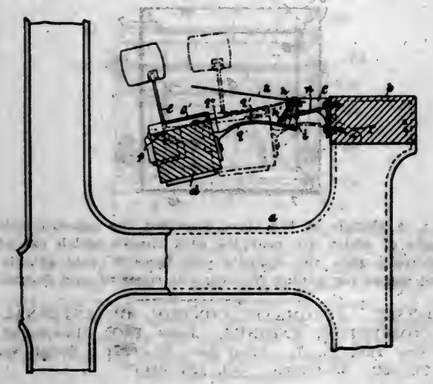
1,483,878. SLICING MACHINE. ERNEST A. HAND, Hornell, N. Y., assignor to A. J. Deer Company, Incorporated, Hornell, N. Y., a Corporation of New York. Filed July 10, 1920. Serial No. 395,184. 18 Claims. (Cl. 146—102.)



1. A slicing machine comprising a rotary cutter disk, holding means for supporting the article to be sliced in position to be operated upon by said disk, a tray movable toward and from its slice receiving position relatively to said disk and holding means, a carrier which supports said tray and having a stop, a bracket upon which said carrier is pivoted to turn about a vertical axis and which is provided with a stop adapted to be engaged by said stop on the carrier, and a curved face which is concentric with the axis of said carrier and leads to said stop on the bracket and a recess in said curved face, and a spring catch arranged on the carrier and adapted to engage said curved face and said recess.

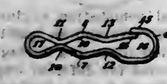
1,483,879. WEFT TENSION-HOLDING DEVICE FOR LOOMS. ALEXANDER G. HANNAH, Warren Point, N. J. Filed May 23, 1922. Serial No. 562,992. 4 Claims. (Cl. 139—194).

1. In combination, the fixed structure of a loom, a batten including structure arranged to move back and forth therein, means to pass filling back and forth across the batten-including structure, coacting instrumentalities to grip the filling arranged on the respective structures, the one of said instrumentalities which is on the fixed



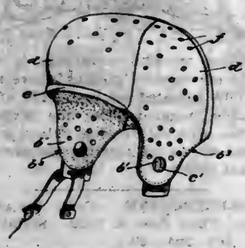
structure being an up and down movable member, and a cam to actuate said member arranged on the batten-including structure.

1,483,880. BUTTON TOGGLE. LINCOLN S. HAPEMAN, Waterbury, Conn. Filed Apr. 4, 1923. Serial No. 629,832. 6 Claims. (Cl. 24—100.5.)



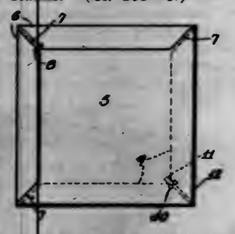
1. In a button fastener, a base having a flexible tongue connected therewith at one end, and a catch for said tongue upon the other end of said base, said tongue and base being convoluted to enclose a plurality of loops, said loops being adapted to interchangeably receive the eye of a button, said tongue and catch being formed from an integral strip of grooved metal whereby said tongue will be detachably locked in said catch in curved contact therewith.

1,483,881. FOOTBALL HELMET. HENRY RIDGEWAY HART, Montclair, N. J. Filed Jan. 11, 1922. Serial No. 528,482. 2 Claims. (Cl. 2—192.)



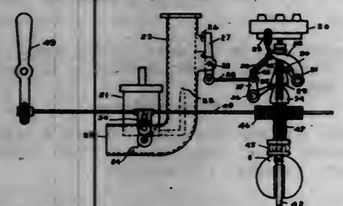
1. A football helmet having an inflexible reenforcing shell of fiber of one piece shaped to conform to the head of the wearer, protective layers of felt on the inner and outer sides of the shell and means to secure the felt in place against displacement.

1,483,882. SHINGLE. WILLIAM F. HARVEY, East Patchogue, N. Y. Filed June 29, 1922. Serial No. 571,664. 8 Claims. (Cl. 108—8.)



1. A shingle of the class described the opposite side edges of which are provided with flanges which extend inwardly upon the opposite side faces of said shingle, and means for joining the adjacent edges of said flanges.

1,483,883. AUTOMATIC CONTROL OF INTERNAL-COMBUSTION ENGINES. JOHN T. E. HILLHOUSE, New York, N. Y. Filed Nov. 30, 1921. Serial No. 518,822. 33 Claims. (Cl. 123—99.)



17. In an internal combustion engine provided with an auxiliary air inlet valve and an ignition timer, a cam controlling the ignition timer and having active contours based on ignition curves for different engine loads under different speed conditions, a cam operably connected with the air relief valve and having contours based on air relief curves for different engine loads under different speed conditions, engine load and speed governed means for positioning said cams, said cams being connected together to move as a unit for existing load and engine speeds.

1,483,884. SMOOTHING MACHINE FOR GLASSWARE. FORREST L. HITCHCOCK, Indianapolis, Ind., assignor to The Marietta Manufacturing Company, Indianapolis, Ind., a Corporation. Filed Jan. 30, 1923. Serial No. 615,825. 3 Claims. (Cl. 51—83.)

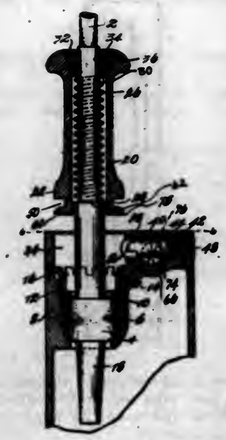


1. A smoothing machine comprising a central frame having a pair of tension pulleys thereon, smoothing wheels rotatably mounted on each side of said frame, smoothing bands mounted about the periphery of said wheels and the adjacent tension pulley, a shaft keyed to each of said wheels for rotating the same, and means for driving said shafts.

1,483,885. ELECTROLYTE. CARL OSCAR HOEN, St. Paul, Minn. Filed June 8, 1922. Serial No. 566,868. 2 Claims. (Cl. 204—29.)

2. An electrolyte comprising a solution consisting of ingredients mixed in about the following proportions: distilled water, seven gallons; sulphuric acid, eleven and one-half gallons; sulphate of magnesium, eighteen pounds and a solution of alum prepared by dissolving one pound alum in two gallons of water, diluted with an equal amount by volume of water.

1,483,886. TRANSMISSION LOCK. RUSSELL HUFF, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed July 19, 1921. Serial No. 485,891. 3 Claims. (Cl. 70—128.)



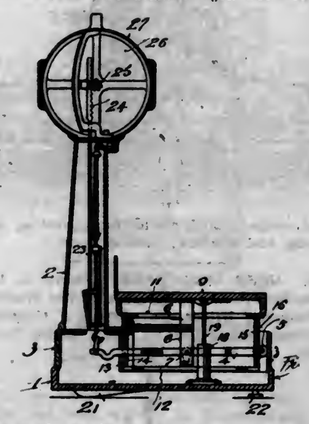
1. In a transmission lock, the combination with the gear shifting lever, its universal bearing and a housing for said bearing extending above said bearing and having an opening in which said lever swings, of a sleeve slidable on said lever into and out of position in said opening and fitting said opening to hold said lever in neutral position, a socket extending laterally into said housing from said opening, a locking bolt and a spring for moving it arranged in said socket, a recess in said sleeve adapted to receive said bolt, and a hole in said housing on the side of said lever remote from said socket through which said bolt and spring may be inserted into said socket before said lever is assembled in its bearing.

1,483,887. CONCRETE-HANDLING APPARATUS. WILLIAM H. INSLEY and ALVIN C. RASMUSSEN, Indianapolis, Ind., assignors to Insley Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Nov. 20, 1922. Serial No. 602,048. 7 Claims. (Cl. 214—95.)



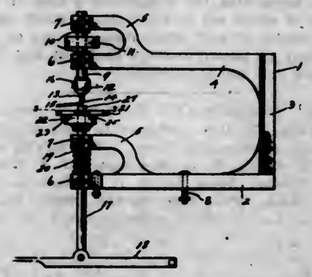
1. An apparatus for handling building material comprising a mast, a chute hopper carried by said mast on the front thereof and projecting beyond the vertical plane of said front, an elevator bucket carried by said mast on the same side as said chute hopper, and a delivery chute carried on the rear of said mast and arranged to receive material from said chute hopper.

1,483,888. WEIGHING MECHANISM. LEONARD T. JOHNSON, Jersey City, N. J. Filed June 3, 1922. Serial No. 565,610. 16 Claims. (Cl. 265—69.)



1. In a scale mechanism, the combination with a weight actuated lever, of a check rod formed in two parts, one above the lever and the other below it, a pivotal support for one end of said lever, a platter rest, and means for pivotally supporting said platter rest upon said lever both parts of said check rods being in substantial vertical alignment with said platter rest.

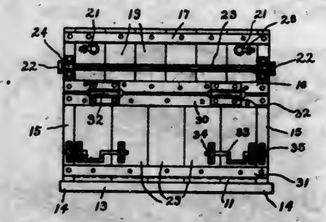
1,483,889. INLAYING MACHINE. ALBERT H. KARR, Kansas City, Mo. Filed Aug. 31, 1923. Serial No. 660,289. 1 Claim. (Cl. 144—136.)



In an inlaying machine, the combination, of a frame, a shaft revolubly mounted in said frame, a channelling tool actuated by said shaft, a plunger rod slidably mounted on said frame and aligned with said shaft, a pivoted lever pivotally connected to one end of said rod, a table adjustably connected to the other end of said rod, yielding means mounted on said rod to normally hold said table in elevated position, and a guide slidably and adjustably mounted on said table, said guide having an eccentric face constantly presented to said tool.

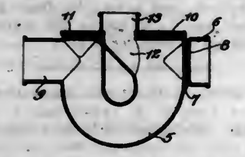
1,483,890. END GATE FOR DUMPING WAGONS. OSCAR A. KELLEY, Omaha, Nebr. Filed Apr. 18, 1922. Serial No. 555,340. 1 Claim. (Cl. 296—51.)

The combination with a wagon body, an end gate for said wagon body and comprising a frame adapted to swing up and down upon the rear end of the wagon body and being open at its lower end, a door mounted in the open lower end of the body, hinges at the outer edge of the door connecting the same to the upper closed portion of the end gate, sliding bolts mounted upon the lower portion of the door, keepers on the side portions of said frame adapted to receive the projecting ends of said bolts therein for locking the door in closed position in the frame to form a closed end gate, hinged rods mounted upon the end gate frame near the outer end thereof and arranged to extend in overlapping relation



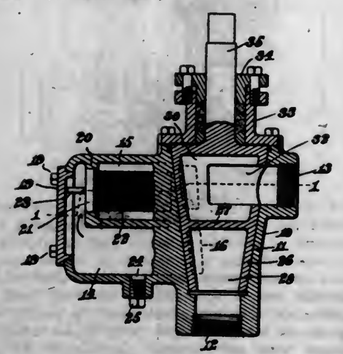
against the opposite sides of the wagon body, guide ways for said rods adapted to slidably receive the same and mounted on the outer sides of the wagon body, said rods having hooks on their ends adapted to engage in said guide ways when the end gate is lowered, and said rods are drawn through the guides, and independent means for locking the upper end of the frame to the wagon body for closing the rear end thereof.

1,483,891. PIPE FITTING. EDWARD KENNEDY, New York, N. Y. Filed June 5, 1922. Serial No. 566,106. 5 Claims. (Cl. 182—18.)



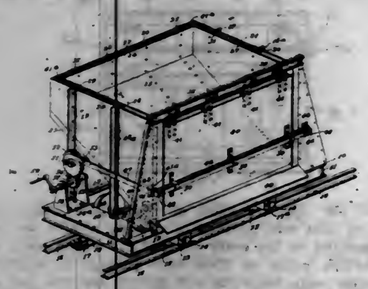
1. A pipe fitting of the character described, comprising a U-shaped trap body having inlet and outlet pipe connections and hand holes adjacent to said inlet and outlet connections, the inlet pipe connection at its inner end being threaded and of appreciably less diameter than the adjacent hand hole whereby a closure plug for said inlet connection may be passed through said hand hole and engaged with said threads, and an air pipe connection at the upper side of the trap body communicating by an inclined passage with the passage therethrough.

1,483,892. STRAINER. JUSTUS R. KINNEY, Allston, Mass. Filed Jan. 18, 1923. Serial No. 613,336. 12 Claims. (Cl. 210—168.)



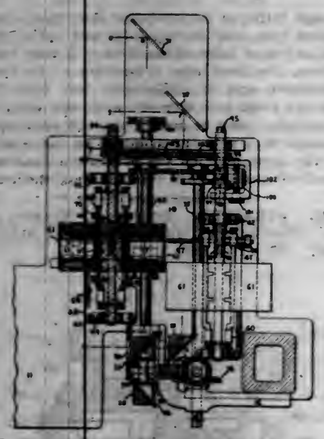
1. In a device of the class described, a casing having a vertical valve chamber communicating with two sets of passages, each set consisting of a horizontal chamber and a compartment above and communicating with said chamber; a strainer basket horizontally disposed in each compartment; and a valve in the valve chamber adapted to close the ports communicating with either set of passages.

1,483,893. COKE-HANDLING CAR. LEONARD KIPP, Waterbury, Conn., assignor to Waterbury Iron Works, Inc., Waterbury, Conn., a Corporation of Connecticut. Filed May 11, 1922. Serial No. 560,040. 14 Claims. (Cl. 105—254.)



1. In a coke-quenching conveyor-car for use in gas houses, a base frame adapted to be supported upon a track by means of which the car may be drawn up to and away from a coke-retort, a coke receptacle mounted upon said base and adapted to receive a charge of red-hot coke from said coke-retort, said receptacle having an inclined bottom, and having its front portion closed by a swinging door, and means for water-cooling the sides and bottom of said receptacle.

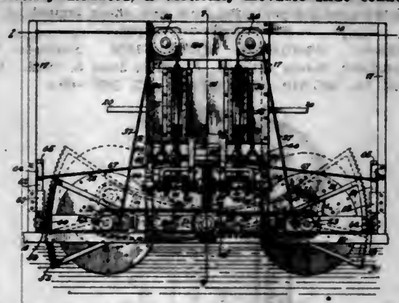
1,483,894. MOTION-PICTURE MACHINE. CHARLES KIWUL, New York, N. Y. Filed July 3, 1919. Serial No. 308,642. 28 Claims. (Cl. 88—16.8.)



28. In a motion picture machine, the combination of mechanism for advancing the film continuously through the machine, a movable reflector, and an objective lens construction including a plurality of lenses operatively connected to said mechanism to move continuously in one direction over a substantially elliptical path, means for guiding the lens along said path, a portion of said guiding means being straight, said lenses when in an engagement with said straight portion of the guiding means travelling with the light reflected from said movable reflector.

1,483,895. WATER-POWER MOTOR. JOHN V. KRANEBEEL, Buffalo, N. Y. Filed Oct. 30, 1920. Serial No. 420,623. 14 Claims. (Cl. 170—107.)

1. A water power motor comprising a wheel adapted to be immersed in a flowing stream of water, a vertically swinging support on one end of which said wheel is pivotally mounted, a vertically movable slide connected



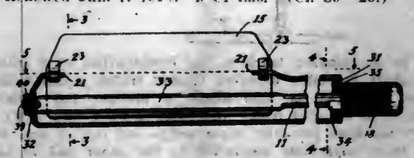
with said support, and means for operating said slide and raising and lowering said support.

1,483,896. HOSE SUPPORTER. FRANK L. LANGHAMMER, Bridgeport, Conn., assignor to The Warner Brothers Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 30, 1922. Serial No. 609,810. 1 Claim. (Cl. 24—245.)



A device of the character described, comprising a metal loop member provided with a transverse slot, and a button supporting tab comprising a loop of tape, the two ends of which are inverted and clamped together by a metal clamp of such dimensions relative to said slot that it may be passed through said slot and thereafter will retain said tab in position.

1,483,897. RAZOR-BLADE HOLDER. LEWIS E. LARSON, Fargo, N. Dak., assignor to Sure Edge Stropper Company, Minneapolis, Minn., a Partnership consisting of A. E. Smith, W. G. Manchester, J. F. Irwin, J. F. Owen, Herbert Johns, and E. G. Hanson, all of Minneapolis, Minn. Filed Mar. 28, 1921. Serial No. 456,294. Renewed Jan. 7, 1924. 9 Claims. (Cl. 30—25.)

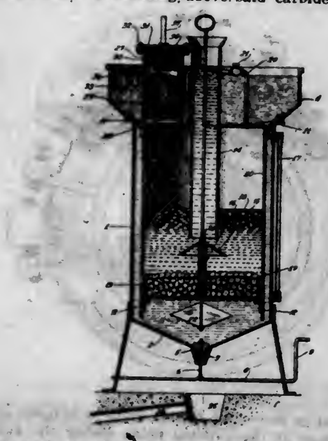


1. A razor blade holder comprising a handle having a slot along the same, a pair of clamping members positioned partly within the handle and extending through said slot, notches formed in said handle near the ends of the slot thereof, and means co-operating with said notches for holding the clamping members pivotally attached to the handle.

1,483,898. ACETYLENE GENERATOR. RAYMOND R. LIGOT, Brussels, Belgium, assignor of one-half to James Puleo, New York, N. Y. Filed Nov. 5, 1920. Serial No. 421,836. 4 Claims. (Cl. 48—22.)

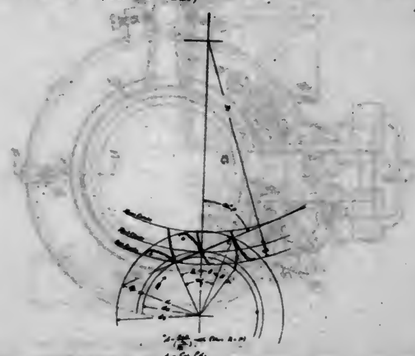
1. In a gas generator of the ebb-and-flow type, a container, a member depending thereinto and open at its lower end, said member spaced from the wall of the container, means for supporting carbide within the lower portion of said member, the space below said

supporting means communicating with the space between the walls of said member and container, means open at top and bottom and depending within said member with its lower end terminating above said carbide supporting



means, and an oil seal, within said member, for said open lower end and serving to automatically control contact of water with the carbide to regulate the generation of gas.

1,483,899. INTERMESHING GEAR AND PINION, AND ART OR METHOD OF GENERATING THE SAME. CHARLES H. LOGUE, Syracuse, N. Y., assignor to Brown-Lipe-Chapin Co., Syracuse, N. Y., a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,379. 2 Claims. (Cl. 74—41.)



1. The art or method of determining the tooth parts of intermeshing gears consisting in generating the teeth of the gear in accordance with the following formula,

$$d \sec E \sin^2 p \frac{P_s}{p} = \text{gear addendum}$$

and in generating the teeth of the pinion in accordance with the following formula

$$\frac{d\left(\frac{\cos p}{\cos (p+\Omega)}-1\right)}{\sec^2 E} = \text{pinion addendum}$$

in both of which formulas

Tan p=tan of normal obliquity×secant spiral angle

Cot E=$\sqrt{\text{ratio of reduction for spur gears}}$

Cot E=ratio of reduction for bevel gears

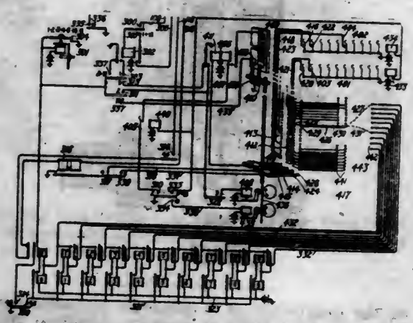
Sine $P_s=\frac{\tan p}{\sec \Omega}$

d=pitch radius of spur or virtual radius of bevel pinion.

P_s cannot exceed value of P.

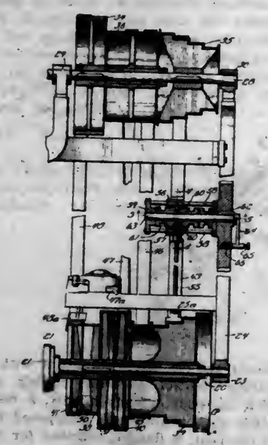
Ω=assumed within known limits.

1,483,900. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 23, 1919. Serial No. 319,309. 15 Claims. (Cl. 179—27.)



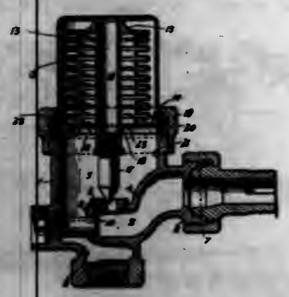
1. In a telephone exchange system, a selector switch, a control relay therefor, a branched circuit for said relay extending to movable contacts of said switch, a plurality of normally closed extensions of each branch of said circuit extending from stationary contacts of said switch, and means for selectively opening any one of the circuit extensions of each branch to jointly direct the movement of said switch under the control of said relay.

1,483,901. VARIABLE-SPEED DRIVE. ALFRED R. McCANN, Hamilton, Ohio, assignor to The Liberty Machine Tool Co., Hamilton, Ohio, a Corporation of Ohio. Filed Apr. 20, 1921. Serial No. 462,988. 3 Claims. (Cl. 74—21.)



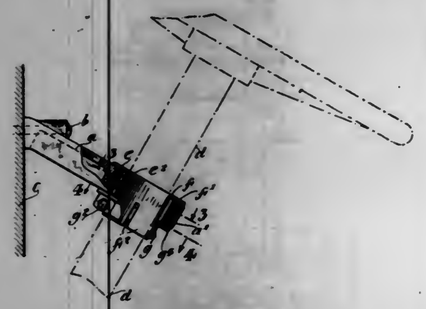
1. In mechanism of the class described, the combination of a driving shaft, a driven shaft, two driving pulleys respectively fixed and loose on the driving shaft, two driven pulleys of different diameters fixed on the driven shaft, a belt engaging the fixed driving pulley and adapted to be shifted onto the driven pulley of smaller diameter, a belt engaging the loose driving pulley and adapted to be shifted onto the driven pulley of larger diameter, one of the belts being open and the other belt crossed, reversely stepped pulleys respectively fixed on the driving shaft and loose on the driven shaft, a belt engaging the stepped pulley on the driven shaft and the loose driving pulley, a belt engaging the two stepped pulleys, and means for shifting the last-named belt.

1,483,902. THERMOSTATIC VALVE. HARRY C. MALLORY, Bellport, N. Y. Filed June 7, 1916. Serial No. 102,115. 7 Claims. (Cl. 236—58.)



6. The combination of a collapsible extensible corrugated sheet metal vessel of generally cylindrical shape, the corrugations therein extending circumferentially having a stationary end wall provided with openings and an opposite rigid movable end wall, a rigid exterior wall exposed to the atmosphere and confining a volatile liquid exterior to said vessel, a valve stem fast to said movable wall and working through said stationary end wall, a valve on said stem, and a steam port for admitting steam to the interior of said vessel and controlled by the said valve.

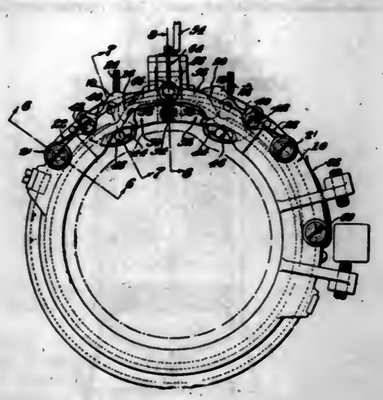
1,483,903. MOUNTING FOR STEERING POSTS AND THE LIKE. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 21, 1921. Serial No. 516,567. 5 Claims. (Cl. 280—87.)



4. In a motor vehicle, in combination with a steering post, a bearing bracket therefor having an opening through which the post extends loosely, a resilient bearing ring within the opening and interposed between the bracket and the post, a flanged retainer for the ring extending therethrough and adapted to embrace the post, and a flanged clamping ring for securing the retainer between the flanges in operative relation to all of the parts.

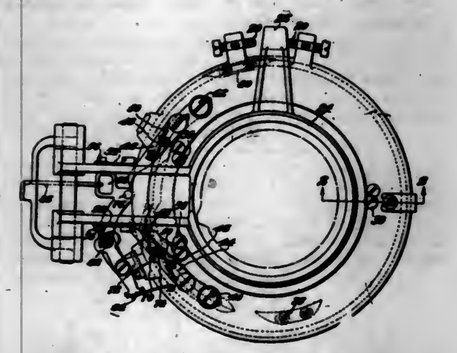
1,483,904. KNITTING MACHINE. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Aug. 17, 1918. Serial No. 250,361. 14 Claims. (Cl. 66—26.)

3. A knitting machine having, in combination, a needle cylinder, radially movable web holders, means acting automatically to retain all the web holders in advance position and permit them to yield radially at the knitting point during the knitting of the initial course or



courses and to thereafter retract them in advance of and advance them at the knitting point during the knitting of the remainder of a web.

1,483,905. WEB-HOLDER MECHANISM. MAX C. MILLER, Cumberland Hill, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Aug. 17, 1918. Serial No. 250,362. 20 Claims. (Cl. 66—26.)

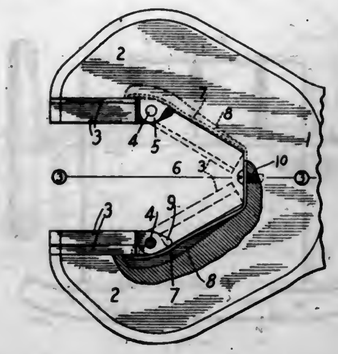


1. A knitting machine having, in combination, a needle cylinder, a web holder dial secured thereto, web holders in the dial, a web holder cam ring having a limited movement with relation to the knitting cams during reciprocatory knitting, two web holder advancing cams on the cam ring, and means rendered active by said relative movement to alternately move the web holder advancing cams forward.

1,483,906. WRENCH. WALTER F. MILLER, Dayton, Ohio. Filed Oct. 3, 1921. Serial No. 504,831. 4 Claims. (Cl. 81—185.)

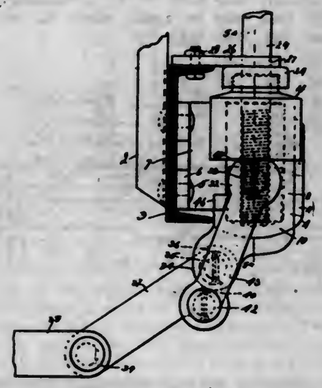
1. A wrench comprising cooperating jaws having their gripping faces spaced apart a fixed distance, a face plate pivotally mounted near the inner end of the gripping face of one of said jaws, on an axis parallel with said gripping face, for movement into and out of contact with said gripping face, said wrench having a cavity ar-

ranged beyond the inner end of the gripping face and in line with the space between said jaws, to receive said face plate when it is moved to its inoperative posi-



tion, and a spring arranged in said cavity and acting on said face plate to hold it in either its operative or its inoperative position.

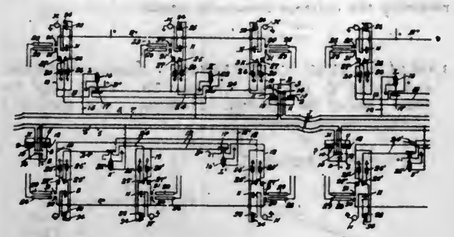
1,483,907. CAR BRAKE. RUSSELL H. MINICH, Philadelphia, Pa., assignor to Minich Railway Appliance Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 16, 1923. Serial No. 612,937. 6 Claims. (Cl. 74—120.)



1. A car brake comprising a cage having slots therein and provided with hangers at the bottom thereof, a rotatable staff projecting into said cage, a wing nut threaded on said staff within the cage, trunnions carried by said nut and projecting through the slots in said cage, an operating lever journalled between the hangers and adapted to be connected with a brake rigging, and links pivoted to the trunnions of the nut and to the operating lever intermediate its ends to one side of its longitudinal center.

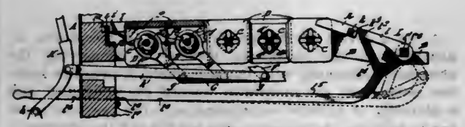
1,483,908. TRAIN-DOOR SYSTEM. GEORGE E. OAKLEY, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 28, 1920. Serial No. 362,168. 2 Claims. (Cl. 105—341.)

2. The combination with door-operating circuits on two or more cars of a train, of a continuous train-line simultaneously controlling said circuits and divisible into sections, normally closed circuit breakers bridging between said sections during train movement, and means



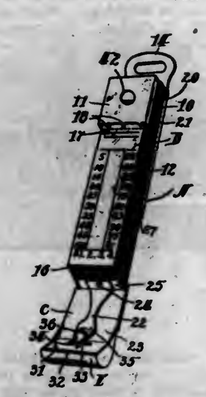
for opening said bridging switches when the train stops and for separately connecting the two adjoining sections to a source of electric current.

1,483,909. GRATE. OLAF W. PETERSEN, Buffalo, N. Y., assignor to Petersen Stoker Company, Buffalo, N. Y. Filed Sept. 28, 1921. Serial No. 503,880. 18 Claims. (Cl. 126—181.)



1. In a grate, the combination of a plurality of rotary grate-bars each including a shaft and plates arranged thereon, the plates of one grate-bar entering into spaces between plates of an adjacent grate-bar, and collars on said plates extending into the spaces between said plates for spacing said plates relatively to each other, said collars extending into proximity to the peripheries of the plates of an adjacent grate-bar to prevent large particles of fuel from falling through the spaces between the plates.

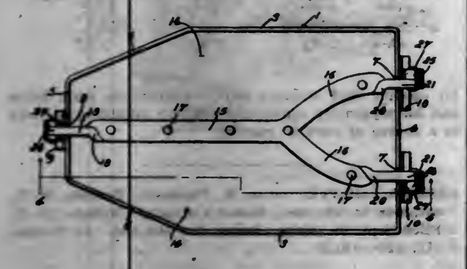
1,483,910. CHECK HOLDER AND CUTTER. CHARLES T. RASCHICK, St. Paul, Minn. Filed Feb. 2, 1920. Serial No. 355,572. 16 Claims. (Cl. 164—119.)



1. A punch comprising a body member having an inclined wall positioned at the end thereof with an aperture therein, a tongue mounted on said body member extending

along said body member having a portion adapted to engage the aperture in said inclined wall and a pocket beneath said inclined wall, free of said body member, for retaining the cuttings from said punch.

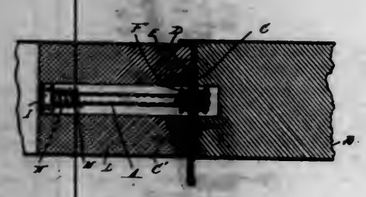
1,483,911. MEAT COMPRESSOR. ALEXANDER RISPEL and LOUIS C. LIEDTKE, Chicago, Ill. Filed June 10, 1921. Serial No. 476,590. 2 Claims. (Cl. 100—57.)



1. In a device of the class described, a receptacle, an abutment in the receptacle, means for connecting the abutment releasably with the receptacle, a pressure member movable in the receptacle toward the abutment, and a plurality of springs cooperating with the pressure member to advance the pressure member toward the abutment, the bottom of the receptacle having a socket wherein one of the springs is received.

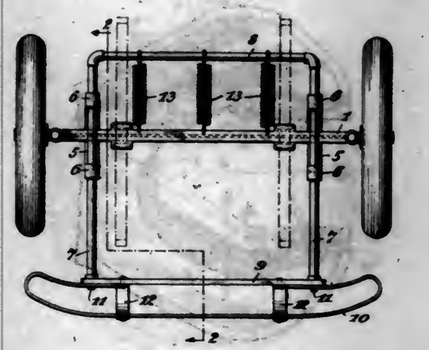
2. In a device of the class described, a receptacle, an abutment in the receptacle, means for connecting the abutment releasably with the receptacle, a pressure member movable in the receptacle toward the abutment, and a plurality of springs cooperating with the pressure member to move the pressure member toward the abutment, one of said springs embodying an intermediate portion provided at its ends with diverging arms, certain of the arms bearing against the bottom of the receptacle and others of the arms bearing against the pressure member.

1,483,912. DOOR CHECK. PAUL RISSMAN, Detroit, Mich., assignor to Detroit Insulated Wire Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 29, 1922. Serial No. 557,295. 5 Claims. (Cl. 16—82.)



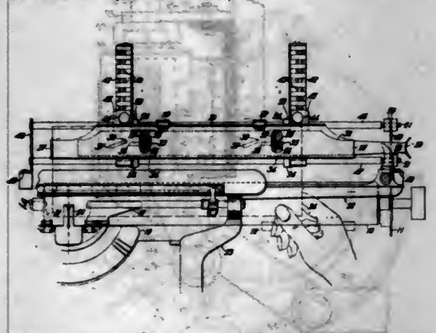
5. A door check comprising anchor plates secured respectively to the posts of the door and door frame, a cable passing through apertures in said plates and through an aperture in one of said posts, collars surrounding the opposite end of the cable, one of said collars being integral with one of said plates, and means for securing the ends of the cable to said collars.

1,483,913. AUTO BUMPER. MAX SCHWARTZ, New York, N. Y. Filed Aug. 23, 1923. Serial No. 658,852. 5 Claims. (Cl. 293—55.)



5. An auto bumper in combination with an axle, a bracket mounted upon said axle and provided with bearing sleeves, a frame having side bars slidingly mounted in said sleeves and provided with a cross bar, and tension springs connecting the ends of said cross bar with said bracket.

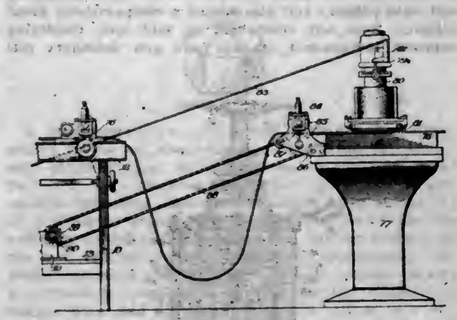
1,483,914. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 18, 1920. Serial No. 382,229. 26 Claims. (Cl. 197—127.)



1. In a typewriting machine, the combination with a carriage having a carriage-return finger-piece thereon and a platen mounted therein, of a gage-plate upon the carriage, a clip upon the plate to hold a work-sheet thereon, and a finger-piece to line-space the plate and sheet thereon, the line-spacing finger-piece being located adjacent the carriage-return finger-piece, so that they may be grasped at the same time and the line-spacing finger-piece pressed towards the carriage return finger-piece to line-space the gage-plate as the carriage is being returned to the right by the carriage-return finger-piece.

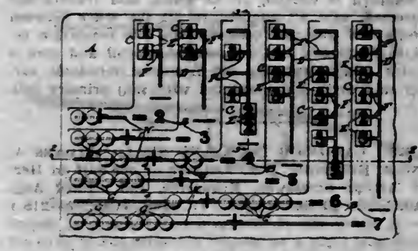
1,483,915. TIRE-BOOT-BUILDING MACHINE. CHARLES W. STEELE, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 15, 1919. Serial No. 271,294. 4 Claims. (Cl. 154—1.)

1. In a machine of the character described, the combination of means for forming continuously a strip of laminated material an intermittently actuated die press for cutting articles from said strip, feeding means located between the forming means and the die press, an adjustable driving connection from said forming mechanism



to said die press and feeding means, and an independent adjusting device for governing the action of said feeding means.

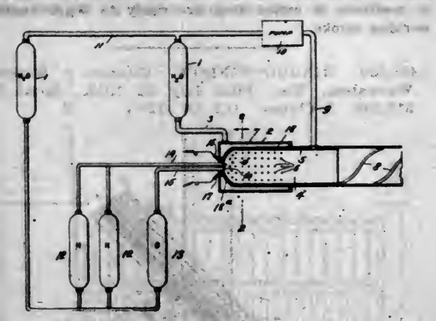
1,483,916. EDUCATIONAL APPLIANCE. NELLIE YORK TROIDL, Niagara Falls, N. Y. Filed Oct. 25, 1922. Serial No. 596,866. 6 Claims. (Cl. 35—2.)



1. In an educational appliance, the combination of a support having a series of numerals displayed thereon, a plurality of sets of numeral-displaying members movable on said support to and from positions adjacent the numerals of said series, the sets of members being arranged to cooperate with different series numerals, each of the members of a set having a similar appearance to another member of the same set, whereby members of similar appearance in a set may be readily grouped adjacent the series numeral for that set, said series numerals representing numbers bearing a predetermined arithmetical relation to the numbers represented on similarly appearing members of the sets with which they cooperate, and a plurality of objects movably mounted to cooperate with said series numerals and adapted to be arranged to bear a predetermined numerical relation to the numbers represented by said sets and said series numerals.

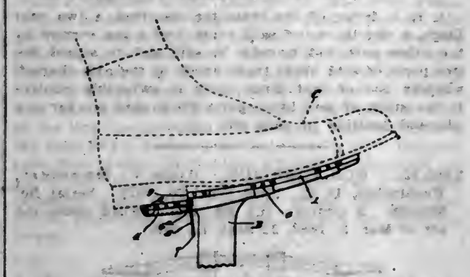
1,483,917. OXYHYDROGEN STEAM GENERATOR. ERNEST E. TUCKER, New York, N. Y. Filed Apr. 17, 1922. Serial No. 553,828. 16 Claims. (Cl. 158—73.)

4. In an apparatus for the generation of motive fluid by injecting a combustible fluid and a combustion supporting medium into contact with a liquid to be vaporized, a shell having perforations through which the liquid to be vaporized enters the combustion space, a liquid chamber surrounding said shell, an oxyhydrogen blowpipe in one end of the shell, all arranged so that the finely divided



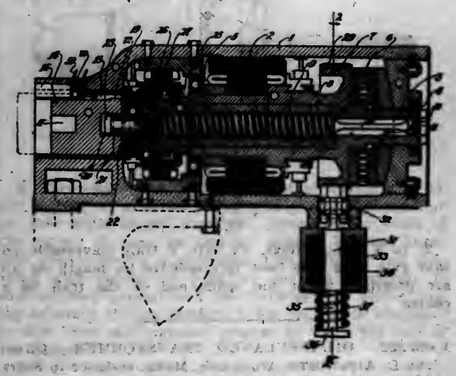
particles of liquid passing through the perforations in the shell may be brought into contact with the oxyhydrogen flame.

1,483,918. TREAD-REST FOOT GRIP. ALFONSO C. VAN NUIS, Cleveland, Ohio. Filed Jan. 9, 1922. Serial No. 527,901. 11 Claims. (Cl. 15—265.)



6. A foot grip comprising cushion sole and heel parts adjustably connected together to provide for footwear having heels of different height, substantially as described.

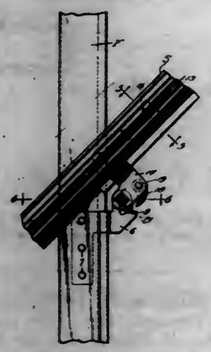
1,483,919. ELECTRIC RIVETER. CHARLES J. WALKER, Gary, Ind. Filed Mar. 31, 1922. Serial No. 548,293. 25 Claims. (Cl. 78—48.)



1. In an electric riveting machine, a riveting member, a rotatable electric motor element, mechanism between said element and said member for driving the latter through a working stroke with the total kinetic energy available in the rotating motor element, in bringing the

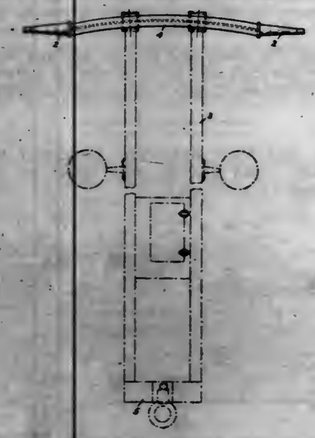
latter to rest from a condition of motion, and additional means for restoring said member and said mechanism to positions in which they are ready to begin another working stroke.

1,483,920. HINGED WINDOW. CHARLES J. WAMSER, Wauwatosa, Wis. Filed July 21, 1919. Serial No. 312,298. 9 Claims. (Cl. 16—128.)



1. In a device of the character described, a two part hinge, a slot in one of said parts, and a pin carried by the other part and movable in said slot to adjust the two parts of said hinge transversely of the axis thereof, whereby one of said hinge parts is swingable relative to the other of said hinge parts about said pin for any adjusted position of said pin.

1,483,921. GUN CARRIAGE. HARRY C. ZIMMERMAN, Washington, D. C. Filed Sept. 20, 1923. Serial No. 663,908. 2 Claims. (Cl. 89—40.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



2. In a gun carriage, an axle, a trail traversable on said axle, said axle bent intermediate its length on an arc described about the spade end of the trail as a center.

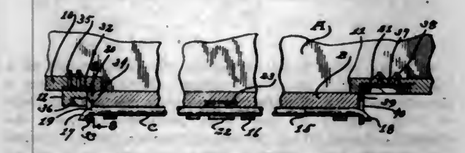
1,483,922. OIL-INSULATED TRANSFORMER. CHESTER D. AINSWORTH, Wollaston, Mass., assignor to Sears B. Condit, jr., Brookline, Mass. Filed Mar. 17, 1919, Serial No. 283,091. Renewed Jan. 3, 1924. 16 Claims. (Cl. 175—361.)

1. A transformer comprising a core forming a closed magnetic circuit, a secondary coil wound thereon, a primary coil arranged concentric with said secondary coil, the inner diameter of said primary coil adapted to be comparatively great as regards the outer diameter of the secondary coil whereby said primary coil is spaced a comparatively great distance from said secondary coil, said primary coil also spaced a comparatively great distance from any component of said core, insulating supports independent of said core and secondary coil



arranged to hold said primary coil in position, a receptacle adapted to contain oil in which said transformer is immersed, said oil adapted to fill the space between said coils and core and comprise the sole insulation between said primary coil and secondary coil and core a cover for said receptacle, and insulated terminals carried by said cover and connected with said primary coil.

1,483,923. CAR-DOOR LOCK AND SEAL. CHARLES A. ARNOLD, Evansville, Ind., assignor of one-half to Herbert Arthur Strassweg, Evansville, Ind. Filed Aug. 8, 1922. Serial No. 580,458. 1 Claim. (Cl. 292—218.)



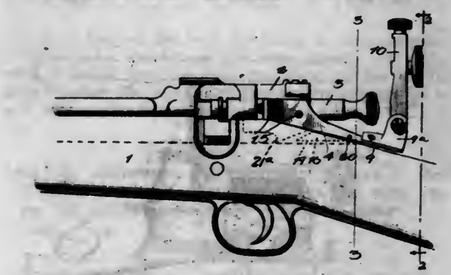
The combination with a structure including a wall having a door opening therein and a door for closing said opening, of a locking device for the door including a rotatable bolt extending the full width of the door, hooks formed on the terminals of the bolt, a rigid keeper at one side of the door frame having an elongated opening therein to permit passage of one of the entire hooked ends of the bolt therethrough, and a hinged keeper at the opposite side of the door frame from the rigid keeper, said hinged keeper including a base plate countersunk in the side wall, and an arm hinged to the base plate adapted to swing outwardly and into engagement with said base plate, thereby lying flush with the outer face of the side wall when in an inoperative position, said arm having an elongated opening therein to permit passage of the entire other hooked end of the bolt therethrough, the outer surfaces of said hooked ends being curved for facilitating the insertion of the hooked ends in said keepers and for engaging the ends of the openings in said keepers to force the door into tight contact with the door frame upon rotation of said bolt.

1,483,924. NUT LOCK. FREDERICK L. BIXBY, THOMAS R. GIBSON, and EVERETT W. CHENEY, Reno, Nev. Filed Oct. 5, 1922. Serial No. 592,625. 2 Claims. (Cl. 151—29.)



1. The combination with a bolt having a diametrical groove in the end thereof and a castellated nut adjustably mounted upon the end portion of the bolt, a cap having a body adapted to fit over the nut, a locking member extending diametrically of the body of the cap in position to engage with aligned grooves of the nut and bolt to releasably hold the nut against turning on the bolt, said nut having a continuous depression in the peripheral walls thereof and said body portion having a continuous inwardly extending portion adapted to engage with said depression when the cap is in a certain position on the nut to releasably hold the cap against displacement from the nut and to prevent escape of a lubricant from the space between said cap and said nut.

1,483,925. SIGHT BASE FOR FIREARMS. LOUIS CHARLES BOOTH, Sheridan, Wyo. Filed Dec. 30, 1922. Serial No. 609,981. 18 Claims. (Cl. 42.)

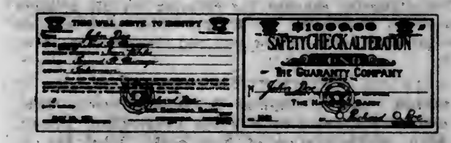


1. The combination with a rifle having a sliding bolt breech mechanism and a groove in the stock in which the tang of the firing pin travels, of a sight base mounted on the bolt and movable therewith, and a tongue carried by the base and designed to engage the said groove when the breech is closed.

7. A sight base for fire arms comprising a bifurcated body, a depending tongue carried by the body, and a plurality of stops adjacent to said tongue.

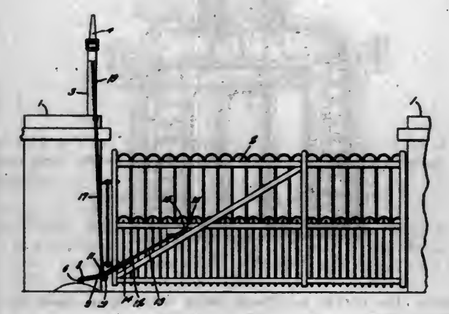
12. A gun sight comprising a base having one extremity upset above the plane of the base, a foot plate fixedly secured to the opposite end, and an upright member pivotally mounted on said foot plate.

1,483,926. CHECK-GUARANTY CERTIFICATE. CLARENCE B. CHADWICK and JAMES R. MACPHERSON, Chicago, Ill., assignors to The Bankers Supply Co., Chicago, Ill., a Corporation of Colorado. Filed June 4, 1921. Serial No. 474,955. 5 Claims. (Cl. 283—7.)



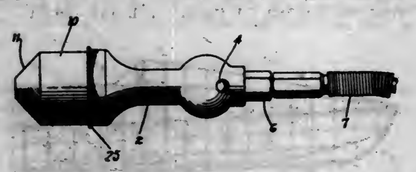
1. In an instrument of the kind described, the combination of a section constituting a contract of guaranty against check alteration, and a section constituting a sample of said check paper, substantially as described.

1,483,927. GATE-OPERATING MECHANISM. JAMES R. CLARK, Lexington, Ky. Filed Oct. 9, 1922. Serial No. 593,307. 1 Claim. (Cl. 39—59.)



The combination with a hinged gate and operating levers supported beyond opposite sides thereof, of a bracket anchored in the path of the gate when swung to open position, an elongated loop having its open end pivotally connected to the bracket, the sides of the loop being coiled between their ends to provide spaced eyes, the intermediate or closed end portion of the loop being offset upwardly, transverse reinforcing members integral with and extending across the space between the sides of the loop, an operating rod pivotally mounted between the sides of the loop and pivotally connected to the gate, said offset portion of the loop adapted to rest upon the rod to hold it in one position, a lifting rod, a laterally extending finger thereon secured within the eyes, and flexible connections between said rod and the respective levers.

1,483,928. ACETYLENE BURNER. CLAUD J. CLEFTON, Owatonna, Minn., assignor, by direct and mesne assignments, to Ruth P. Clefton, St. Paul, Minn. Filed Mar. 5, 1921. Serial No. 449,972. 3 Claims. (Cl. 158—118.)

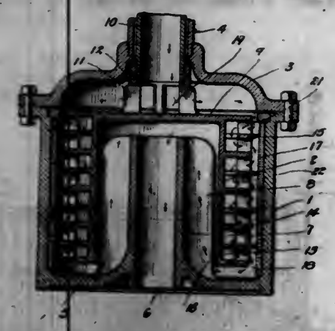


2. The combination, with a gas burner having a chamber therein, of a sleeve fitting within said chamber and its side walls spaced from the corresponding walls of the burner to form an annular passage between them, said sleeve having a cone-shaped imperforate end provided with means for deflecting the gas outwardly to said annular passage and the walls of said sleeve having openings therein through which the gas is compelled to flow from said annular passage to reach the exit of the burner.

1,483,929. CENTRIFUGAL MACHINE. WILLIAM C. COLEMAN, Wichita, Kans. Filed June 9, 1923. Serial No. 644,346. 6 Claims. (Cl. 83—67.)

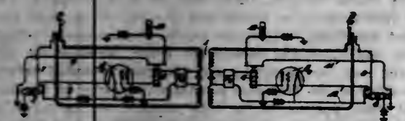
1. A separator comprising a hollow rotor, and a distributor within it, the distributor having a circumfer-

ential wall provided with a plurality of ring-shaped partitions, the alternate ring-shaped partitions having



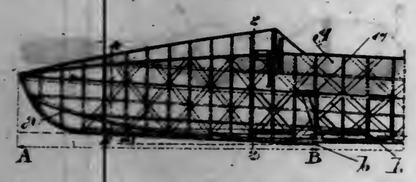
ports, the portal partitions being wider than those between them.

1,483,930. TRANSMISSION-EQUALIZATION ARRANGEMENT. LEO H. DARROW, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 23, 1920. Serial No. 432,835. 2 Claims. (Cl. 178—44.)



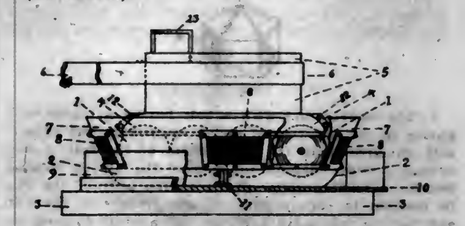
1. A link circuit adapted for establishing connections with lines of differing electrical characteristics, a current supply circuit included in said link circuit, and a vacuum tube dynatron connected in series in said current supply circuit and possessing the characteristic of negative electrical resistance whereby transmission over said lines may be maintained subetantially constant.

1,483,931. HYDROGLIDER. FRANCISQUE DUMOND and CLÉMENT GALVIN, Lyon, France. Filed Oct. 5, 1921. Serial No. 505,522. 1 Claim. (Cl. 114—66.5.)



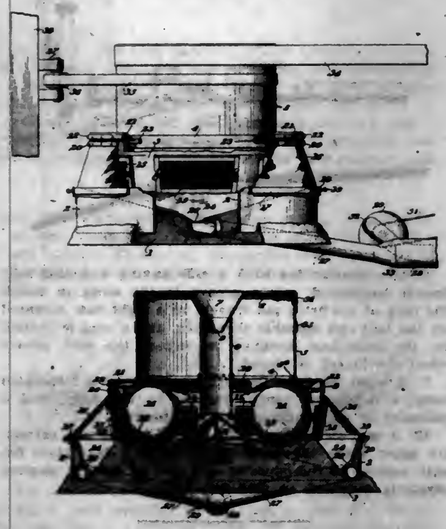
In a hydro-glider, a hull having a front part forming the bow thereof and a rear part of rectangular shape in plan and of a length considerably greater than said front part the base of said front part being upwardly inclined towards the bow from two to five degrees with respect to the horizontal and the base of the rear part being upwardly inclined towards the stern of said hull to a lesser degree than the base of said front part, a single transverse set back of slight depth extending along the line of intersection of said front and rear parts, said line of intersection being in front of the centre of gravity of the hull, two hydro-planing surfaces one on each side of said front part, conduits the upper ends of which are in communication with the atmosphere and the lower outlets are immediately behind said set back and an aerial propeller for driving the hydroglider.

1,483,932. ROCK AND ORE CRUSHING MILL. OSCAR ANDREW ELLIS, San Francisco, Calif., assignor to Axel E. Ellis, Boston, Mass. Filed Oct. 9, 1917, Serial No. 195,628. Renewed July 14, 1923. 12 Claims. (Cl. 83—45.)



1. A crushing mill comprising an annular trough or runway, a series of balls rolling in said runway, the inner portion of said runway having a surface substantially tangential to that of the balls, and a saddle resting on said balls and held in position wholly thereby, said saddle being entirely free to move laterally in substantially all directions.

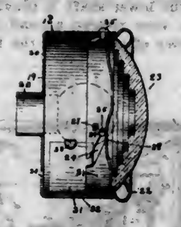
1,483,933. DRY-CRUSHING MILL. OSCAR ANDREW ELLIS, San Francisco, Calif. Filed May 31, 1918, Serial No. 237,462. Renewed July 14, 1923. 9 Claims. (Cl. 83—45.)



1. In a crushing mill, the combination with a circular grinding device, of a closed annular chamber surrounding said device and extending below the same, means for feeding material to be ground into the center of the grinding device, and means connected with the bottom of said annular chamber for reducing the air pressure therein so as to cause the dry pulverized material from the grinding device to flow into and through such chamber.

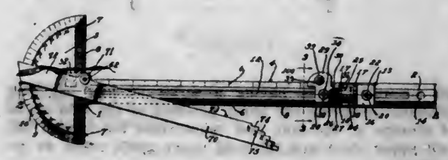
1,483,934. LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,639. 4 Claims. (Cl. 240—41.)

1. In a lamp, the combination of a cylindrical body, a lens holder fitting one end of the body and secured thereto by pins and bayonet joints, a lens within the holder and a circular spring ring of thin sheet metal contacting with the body and with the lens directly at



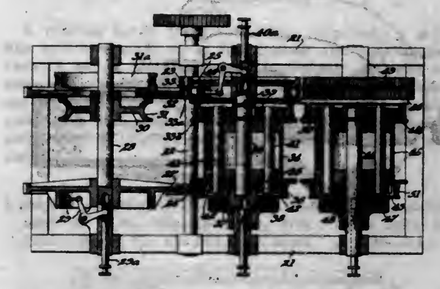
a plurality of points to cause pressure between the lens and the lens ring and between the lens ring and the body.

1,483,935. DRAFTING INSTRUMENT. CHARLES FREMONT GOLDEN, Denver, Ind. Filed Dec. 20, 1921. Serial No. 523,731. 6 Claims. (Cl. 33—75.)



1. In a tool of the class described, a main member; a center point carried by the main member; a stylus holder; means for mounting the stylus holder on the main member and means for micrometric adjustment of said holder with respect to the center point.

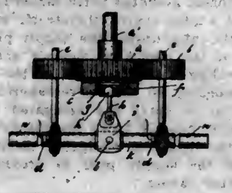
1,483,936. HOISTING MECHANISM: NORMAN T. HARRINGTON, Cleveland, Ohio. Filed Nov. 14, 1921. Serial No. 515,089. 7 Claims. (Cl. 254—178.)



1. In hoisting mechanism, the combination of two drums disposed laterally of each other and means operable at will to rotate the drums at substantially the same speed or to selectively vary the speed of either one of the drums to increase or decrease its speed relatively to the other drum, said means including separate differential motion mechanism for each of the drums and separately controllable motor means for actuating one of the driving members of each of the drums.

1,483,937. AUTOMATIC BOBBIN-WINDING MACHINE. LUDWIG HAUSSELER, Plauen, Germany, assignor to Robert Reiner Incorporated, Weehawken, N. J. Filed Jan. 13, 1922. Serial No. 528,981. 4 Claims. (Cl. 242—43.)

1. In an automatic bobbin-winding machine, the combination with a thread guide spindle and a driven gear, of a member pivotally connected at one end to said spindle and fixed to the face of said gear by a universal joint, so that during the rotation of said gear, one end



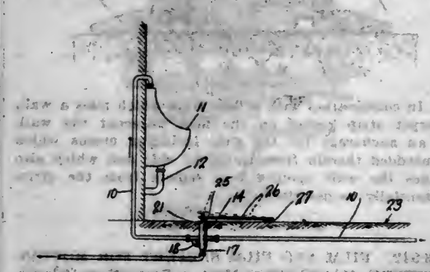
of said member will swing in a circle around the axis of said gear and cause the other end to oscillate said guide spindle.

1,483,938. MEASURING ICE-CREAM DISHER. GEORGE E. HOLMES and FRANK W. GRANT, Dover, N. H. Filed Nov. 13, 1922. Serial No. 600,641. 6 Claims. (Cl. 107—48.)



1. A measuring ice-cream disher comprising, in combination, a bowl having a handle, a sickle-shaped cleaver blade, conforming to the top edge of the bowl, and provided with a shank pivoted to the handle, a scraper journaled to turn within the bowl, and conforming to the internal surface of the latter, a single manually movable operating lever, fulcrumed on the handle, blade-operating and releasing trigger means, carried by the blade shank and the lever, and adapted to alternately operate and release the blade, torque-transmitting connections between the lever and the scraper, a controlling spring acting directly on the blade to normally hold the blade in its starting position, and another controlling spring, acting directly on the lever, to normally hold the lever in its starting position, the lever acting through said trigger means, to operatively move the blade across the bowl, and the lever spring acting indirectly on the scraper through said connections, to hold the scraper in its starting position, the arrangement being such that the initial movement of the lever from its starting position, first operates, and then releases the blade, and the final movement of the lever from said position, operates the scraper after the operation and release of the blade.

1,483,939. URINAL FLUSH. ANTHONY C. JAEGER, St. Louis, Mo. Filed Jan. 11, 1921. Serial No. 436,470. 1 Claim. (Cl. 4—108.)



In a flush system, the combination with a supply pipe, a valve casing in communication with and extending transversely of the supply pipe upon opposite sides thereof, a discharge port at the outer end of the valve casing, a by-pass having one end in communication with

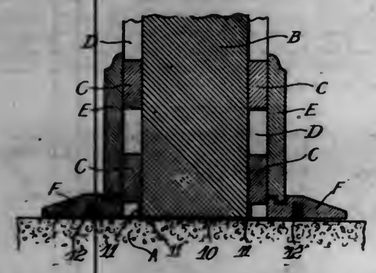
the valve casing between the supply pipe and discharge port and its opposite end in communication with said supply pipe, a spring actuated valve including an elongated member and a disk spaced therefrom, said elongated member normally interrupting the supply pipe while the opposed faces of the elongated member and disk define a passage providing a continuation of the supply pipe, and means connected to the valve whereby the latter may be operated to move the elongated member into position to simultaneously close the discharge port and by-pass, with the disk and elongated member upon opposite sides of the supply pipe to provide a passage through the valve casing.

1,483,940. ANTIRATTLER FOR AUTOMOBILE HOODS. HANS G. JORGENSEN, Erie, Pa. Filed Nov. 14, 1921. Serial No. 514,865. 9 Claims. (Cl. 292—114.)



1. An anti-rattler formed of a block of resilient rubber with a face adapted to engage the side of a hood and having an opening therethrough adapted to receive and grip a fastener, the opening being slitted to permit the walls of the opening to be sprung over the fastener, the block extending forward from the opening a sufficient distance to permit the opening of the slit by pressure on the projecting portion of the block.

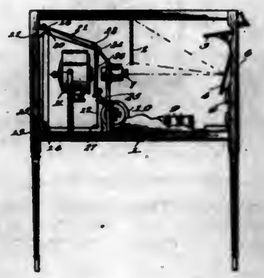
1,483,941. CARPET-STRIP ANCHORAGE. MAHLON O. KASSON, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 597,700. 9 Claims. (Cl. 20—74.)



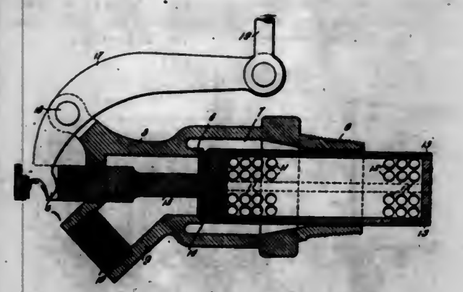
1. In combination with a floor from which rises a wall, a carpet strip rested on the floor adjacent the wall, and an anchorage for the strip including means which is embedded therein from its under side and which also engages the wall upon a face remote from the strip, substantially as described.

1,483,942. FILM AND FILM SUPPORT FOR MOTION-PICTURE MACHINES. MORRIS KEIL, New Orleans, La. Filed Jan. 28, 1920. Serial No. 354,609. 1 Claim. (Cl. 88—18.7.)

In a motion picture exhibiting apparatus employing an endless film, vertically spaced film guide rollers for a single strand of the film, a projector across which the strand of film passes between said guide rollers, vertically spaced horizontal shafts at the rear of the projector of which the lower shaft is provided with a series of flanged plain face rollers around which the lower portions of a series of strands of the film pass, the upper of said shafts having a series of film engaging sprockets receiving the upper portions of the said series of strands of the film, and connections for driving the said upper shaft and the said upper guide roller as described.



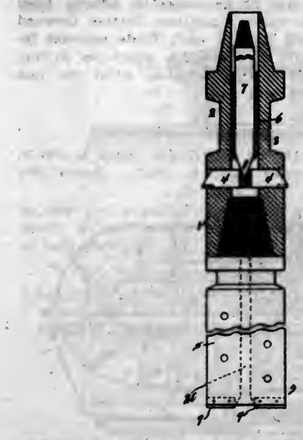
1,483,943. BLOW-OUT VALVE. GEORGE WILLIAM KELLER, Portsmouth, Ohio. Filed May 4, 1923. Serial No. 636,604. 2 Claims. (Cl. 251—159.)



1. In a valve, a body portion having a threaded extension and having a valve seat formed within the body portion at a point in spaced relation with the threaded extension, a movable valve member operating within the body portion, said valve member being cylindrical in formation and having a beveled inner end adapted to cooperate with the valve seat to cut off the passage of fluid through the body, and said valve member having openings formed in the wall thereof and arranged adjacent to its ends.

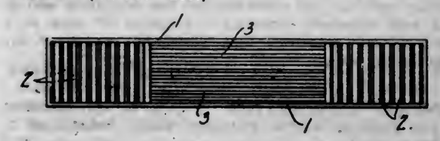
1,483,944. UNDERREAMER. JAMES M. KELLERMAN, Los Angeles, Calif. Filed Feb. 18, 1922. Serial No. 537,635. 4 Claims. (Cl. 255—74.)

1. An underreamer comprising a carrier to be connected to a drill stem and having an opening therethrough and radial slots leading from said opening outwardly, cutting blades slidably mounted in said slots, an expander movable vertically in said opening and adapted to actuate said blades to throw the same in



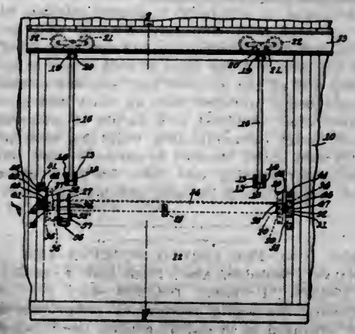
operative position, and a pipe surrounding said expander for holding said blades in operative position after said expander is removed.

1,483,945. RUNNING BOARD FOR AUTOMOBILES. OTTO CHRISTIAN BERNHARDT KOEHN, Williamsburg, Iowa. Filed Mar. 26, 1923. Serial No. 627,882. 1 Claim. (Cl. 280—169.)



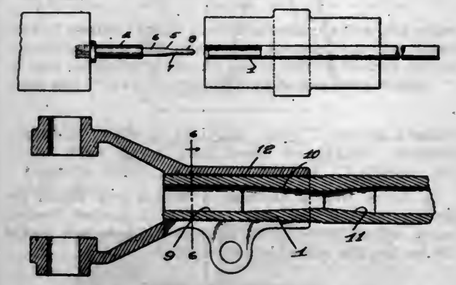
A running board for automobiles, comprising a grill-like structure made up of longitudinal and parallel side bars; a set of slats mounted transversely between the side bars at each end thereof, the slats of each set being spaced apart and the two sets of slats being slanted away from each other at their upper edges; and a set of slats mounted longitudinally between the two sets of end slats.

1,483,946. SLIDING DOOR. HERMAN N. MAY and ERNEST M. MAY, Mineral Point, Wis. Filed July 28, 1923. Serial No. 654,502. 4 Claims. (Cl. 20—24.)



2. A sliding door adapted to be shifted laterally into a door opening in a wall, a track supported near the door opening and extending longitudinally thereof, rollers traveling upon the track, means supporting the door upon the rollers to permit the door to be shifted laterally into the door opening, an angle bar pivotally mounted upon the inner side of the door, means to turn the angle bar upon its longitudinal axis, cranks connected with the angle bar to be turned thereby and projecting upon the outer side of the door, rollers pivotally connected with the cranks, brackets secured to the outer side of the wall near the door opening and adapted to receive the last mentioned rollers therein, and a guide bracket secured to the outer side of the wall to receive one web of the angle bar, upon the longitudinal movement of the door.

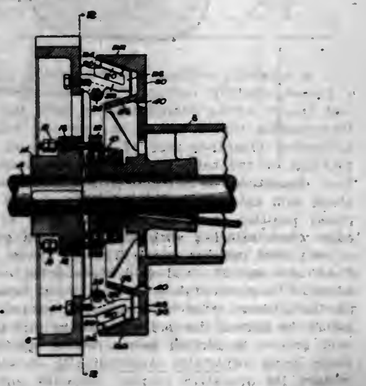
1,483,947. REACH ROD AND METHOD OF FORMING THE SAME. ALONZO C. MORSE, Mansfield, Ohio. Filed Dec. 11, 1922. Serial No. 606,127. 2 Claims. (Cl. 78—81.)



1. The method of forming the end of a steering reach rod, consisting in confining the tube against external expansion, and inserting within the tube a former shaped to accurately fit and maintain the normal interior diameter for a determinate distance from the end of the tube, with the former remote from the tube end of less than the tube diameter, and exerting endwise pressure on the tube.

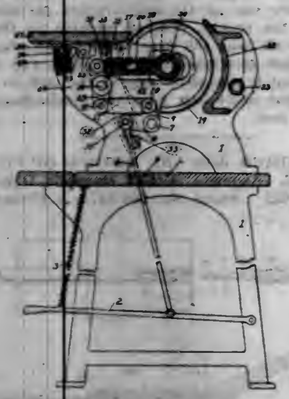
2. A reach rod of hollow construction, the end of the rod being of normal exterior and interior diameter, the interior of the rod inwardly of the end having a tapering annular inward projection.

1,483,948. CLUTCH. ALMON E. NORRIS, Brookline, Mass. Filed Apr. 29, 1921. Serial No. 465,378. 3 Claims. (Cl. 192—113.)



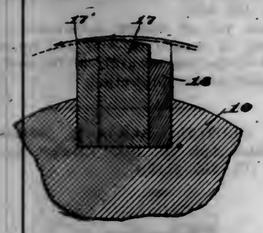
1. In a clutch, the combination of two cooperating clutch members having parts provided with concentric engaging faces, said members presenting supports providing for corresponding radial expansion and contraction of said parts, one of said members having a generally U-shaped cross-section, one of said parts constituting one leg of the U.

1,483,949. IRONING MACHINE. JAMES F. PATTON and JOHN E. MCALLISTER, Cleveland, Ohio, assignors to The Patton Company, a Corporation of Ohio. Filed Nov. 24, 1919. Serial No. 340,115. 12 Claims. (Cl. 68—9.)



11. In an ironing machine, a shoe, a roll, means for locking the roll and shoe together, a pivoted feeding board, which, when tilted, releases the lock, and means for forcing the roll and shoe together.

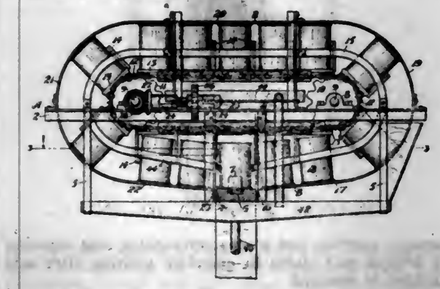
1,483,950. ROTARY CUTTING TOOL. VICTOR H. PETERSON, Belmont, Mass., assignor to Moback Tool & Machine Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 25, 1921, Serial No. 517,579. Renewed Dec. 14, 1923. 19 Claims. (Cl. 77—72.)



1. A rotatable cutting tool comprising a part having a groove, slightly inclined from the axis and a blade and spacer fitting simultaneously into the groove and transposable therein so as to vary the relation to the peripheral clearance face of said blade to the axis of rotation of the tool, whereby in one position the said face constitutes a section of a surface of revolution about said axis of rotation of the tool, and in its transposed position retreats from the path of its leading edge when rotating with the tool; said groove having a peripheral opening equal in width to the thickness of blade and spacer; and said blade being set with both edges of its peripheral face standing out beyond the walls of the groove, whereby it can be ground peripherally about the axis of the tool without the said part in which said groove is formed being thereby ground; and the blade being adjustable longitudinally on said incline to restore its operative cutting diameter notwithstanding the removal of material from it by said peripheral grinding.

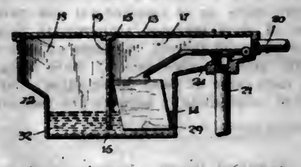
7. The art of providing clearance for blades of a rotary cutting tool comprising the positioning of the blades in grooves on the tool, with their cutting edges forward and projecting out of the grooves and free from contact with the body of the tool; rotating the tool forward in cutting direction and grinding their peripheral faces circular to the axis of the tool while so positioned; then shifting the blades, each in its respective groove, from their said positions to cutting positions further forward wherein the peripheral face of each blade retreats inward from that surface of revolution which its cutting edge generates, in its cutting position, when the tool is rotated on its same said axis.

1,483,951. CAN-DRAINING MACHINE. EARL L. PRICE, Oakland, Calif. Filed Nov. 9, 1921. Serial No. 513,920. 3 Claims. (Cl. 226—22.)



1. In a draining machine of the character described, a can conveyor, an endless conveyor disposed at right angles to the first conveyor and including a relatively long upper substantially horizontal stretch, said second conveyor being adapted to remove the cans from the first conveyor and redeliver the cans to the first conveyor, and during removal and redelivery of the cans from and to the first conveyor, inverting a plurality of cans at a time on said relatively long horizontal stretch of the endless conveyor.

1,483,952. ACCELERATOR. FRANK B. QUACKENBOSS and JOHN A. NEALE, Nashville, Tenn. Filed June 7, 1921. Serial No. 475,780. 3 Claims. (Cl. 169—17.)

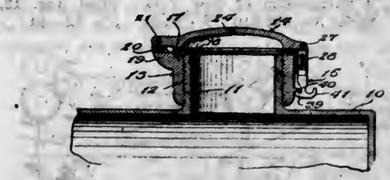


1. An accelerator of the class described comprising in combination, a closed tank, a division wall for dividing said tank into two compartments, said division wall being arranged to terminate in spaced relation with the bottom of said tank, and said division wall having a restricted orifice adjacent its upper end, a body of liquid within the tank and the level of said liquid being above the lower end of the division wall and one of said compartments being provided with an inlet and an outlet, said inlet being connected to a supply of compressed air and said outlet communicating with the atmosphere, a valve for said outlet adapted to normally close the same, and means for opening said valve when air pressure in the two compartments becomes unbalanced.

1,483,953. CAP FOR LIQUID RECEPTACLES. LILIUS H. RAINEY, Gadsden, Ala. Filed Nov. 1, 1922. Serial No. 598,377. 1 Claim. (Cl. 220—32.)

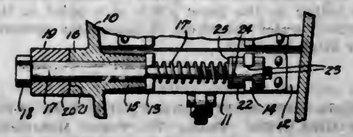
A closure for liquid receptacles comprising a body member arranged to fit tightly around the filling opening of a receptacle, a lid hinged to said body member, a lug on said lid, a yieldable latch member pivoted in said lug, means on said body member adapted to firmly engage said latch member, said latch member including a sleeve

connected with said lug, a hook slidably engaged in said sleeve, a spindle on said hook, a spring coiled around said spindle, a nut threaded at the free end of the



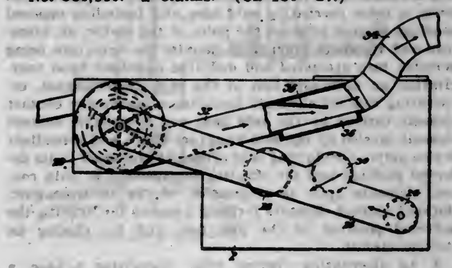
spindle and engaging one end of said spring, and abutments on said sleeve adapted to engage the other end of said spring.

1,483,954. TRANSMISSION-BAND ADJUSTER. OSCAR E. SCHNOEBELEN, Leetonia, Ohio. Filed July 6, 1922. Serial No. 573,077. 4 Claims. (Cl. 188—196.)



3. The combination with the bifurcated end of a transmission band and the pedal shaft, of a nut disposed within the bifurcated band and held against rotation thereby, said nut receiving the end of the pedal shaft therethrough, the inner end face of the nut having grooves, and a washer on the shaft having projections engaged in said grooves and held in such engagement by the spring of the pedal shaft.

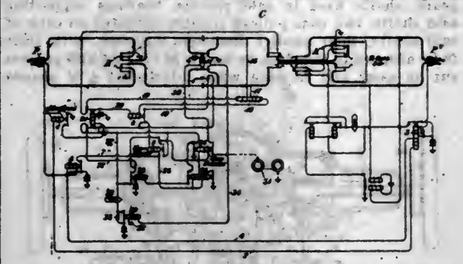
1,483,955. ATTACHMENT FOR THRASHING MACHINES AND CLOVER HULLERS. WILLIAM E. TOLER, Pawnee, Okla. Filed May 29, 1922. Serial No. 564,446. 2 Claims. (Cl. 130—27.)



1. In an apparatus of the class described, a thrashing cylinder, a blower mounted on the shaft thereof, a series of riddles adapted to receive air from said blower, a tailings elevator, in communication with said riddles, a suction fan for said tailings elevator, on said thrashing cylinder shaft, a straw and chaff elevator tube, a suction fan for said tube on the thrashing cylinder shaft and a straw stacker tube in communication with said last named suction fan said fan being adapted to deliver straw to said stacker tube.

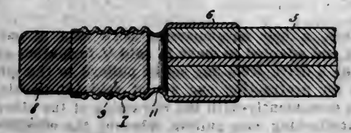
1,483,956. TELEPHONE SYSTEM. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,701. 6 Claims. (Cl. 179—44.)

1. In a telephone system, a subscriber's line terminating in a line jack at a central office, a link circuit, a trunk circuit for interconnecting the subscriber's line and link circuit, a source of ringing current associated with the trunk circuit adapted to be impressed upon said subscriber's line, signaling means associated with said link circuit operable in a characteristic manner by the aplica-



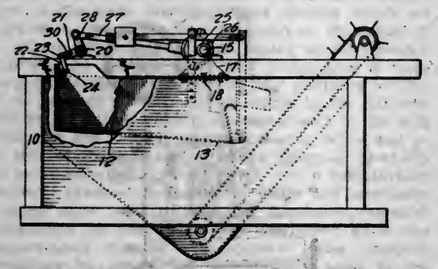
tion of ringing current to said subscriber's line, and means associated with said link circuit responsive to the closure of said subscriber's line for disconnecting ringing current from said line and extinguishing said signaling means.

1,483,957. PENCIL ERASER. NILS T. TRYGGE, Chicago, Ill. Filed May 4, 1920, Serial No. 378,935. Renewed July 26, 1923. Serial No. 557,733. 1 Claim. (Cl. 120—38.)



An eraser tip for lead pencils comprising a ferrule adapted to be fitted over the butt end of the pencil to project therefrom, and an eraser rubber held in the projecting portion of the ferrule and projecting therefrom, that portion of the rubber which seats in the ferrule being of a material different from and inferior to that of the projecting portion thereof.

1,483,958. COAL JIGGER. EARL J. WAGNER, Tamaqua, Pa. Filed June 7, 1923. Serial No. 643,966. 4 Claims. (Cl. 83—80.)

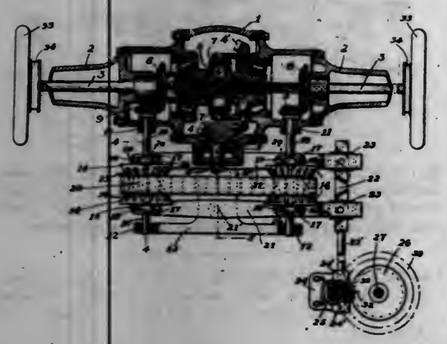


1. The combination of a jig pan, a continuously rotating member, means connecting such member with the pan at one point of its length to impart continuous rotation to the pan at such point, a bell crank lever, means flexibly connecting the pan at another point in its length with such lever, such connection allowing a rotary motion of the pan at such point and means to rock said lever.

1,483,959. VARIABLE-SPEED COMPENSATING DEVICE FOR THE CONTROL OF DIFFERENTIAL AND BRAKE MECHANISMS. LEWIS C. WELCH, Portland, Me. Filed Sept. 17, 1923. Serial No. 663,184. 4 Claims. (Cl. 74—100.)

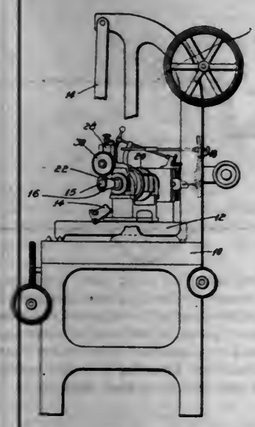
1. In a variable speed compensating device for the control of differential gear mechanisms, the combination,

with a differential, consisting of a planetary set of gears interposed between the driving axles of a motor vehicle and driven by a master gear and pinion, of a gear fixed on each of the axles of said differential, pinions engaging said gears, shafts fixed in said pinions, bearings supporting said shafts, two cone pulleys slidably mounted on each of said shafts, their smaller diameters adjacent, with their faces adapted to interlock by means of tongues and grooves cut on same and forming when interlocked a V shaped



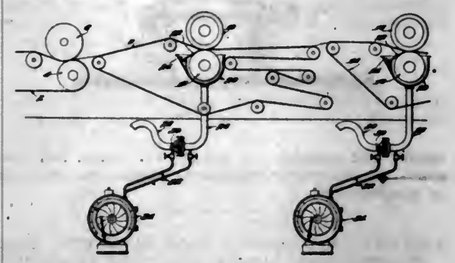
periphery, a belt encompassing both sets of said cone pulleys and adapted to move in said V formation and constituting a drive from one set of pulleys to the other set, means for protracting one set of said interlocking cone pulleys coincidently with the retracting of the other set of said interlocking cone pulleys, whereby the effective working diameters of said cone pulleys may be either decreased or increased respectively and means for actuating said cone pulleys by direct connection with the steering wheel post of a motor vehicle.

1,483,960. PATTERN-COPYING MACHINE. LELAND B. WHIPPLE, Rochester, N. Y., assignor to Fits-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Aug. 11, 1919. Serial No. 316,804. 2 Claims. (Cl. 142—15.)



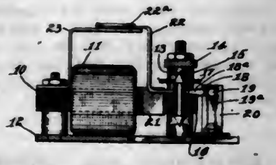
1. In a pattern-copying machine, a model wheel, width grading mechanism, a cutter head having blades adjustable toward and from the axis, and a gage mounted on the machine in fixed relation to the cutter head, and adjustable for setting the blades to any desired diameter.

1,483,961. PAPER-MAKING MACHINE. EZEKIEL J. WILSON, East Greenbush, and EDWIN A. REES, Albany, N. Y., assignors to F. C. Huyck & Sons, Rensselaer, N. Y., a Corporation of New York. Filed Apr. 12, 1923. Serial No. 631,516. 8 Claims. (Cl. 92—49.)



1. In a paper making machine the combination with devices acting on the paper stock at a point in its travel to remove water therefrom of means for measuring the water being removed.

1,483,962. MEANS FOR INDICATING THE INTEGRITY OF CIRCUITS. FRANK W. WOOD, Montclair, N. J. Filed Feb. 27, 1919. Serial No. 379,640. 3 Claims. (Cl. 200—91.)

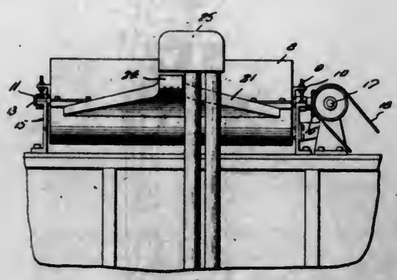


1. An alternating current relay comprising a base, a stator carried by said base and including an electromagnet and a laminated core terminating in oppositely positioned poles, a rotor carried by said base and including opposed bearings located between the poles of the stator, an armature and its shaft journalled therein, the armature being movable into attracted and deflected positions upon energization an deenergization of the said electromagnet, cooperating contact elements including a stationary contact element carried by the said base and a movable contact element carried by the said armature shaft, and a resilient device active for shifting said armature and shaft to its deflected position and for effecting engagement of said contact elements upon deenergization of the electromagnet, the said contact elements forming a means for limiting the deflected position of the armature and for closing an electric circuit.

3. An alternating current relay comprising a base, a stator carried by said base and including an electromagnet and a laminated core terminating in oppositely positioned poles, a rotor carried by said base and including opposed bearings located between the poles of the stator, an armature and its shaft journalled therein, the armature being movable into attracted and deflected positions upon energization and deenergization of the said electromagnet, cooperating contact elements including a stationary contact element carried by the said base and a movable contact element carried by the said armature shaft, and a resilient device active for shifting said armature and shaft to its deflected position.

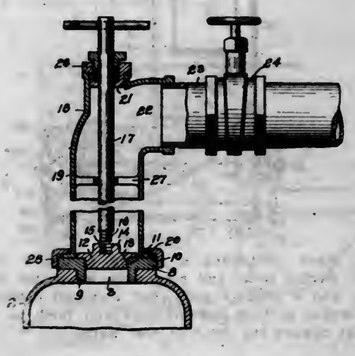
1,483,963. SEED-HULLING DEVICE. ORION YOUNGBLOOD, Boonville, Ind. Filed July 31, 1923. Serial No. 654,806. 4 Claims. (Cl. 83—36.)

1. A hulling attachment for a separating machine, or the like, comprising a casing of substantial cross shape in plan with the central portion thereof of cylindrical form, a toothed concave member mounted upon the lower part of said central cylindrical portion, a toothed drum mounted within said cylindrical portion and cooperating with said concave member for hulling seed, a rotary conveyor in one end of the casing to receive the material from the hulling drum and to convey it to one side of the separator, and means to rotate said drum and said con-



veyor, the other end of said casing being in the form of a flared inclined chute adapted to receive material from the discharge end of a weigher of the wheat separating machine, and diverging partitions within said chute for distributing the material evenly along the entire length of the drum.

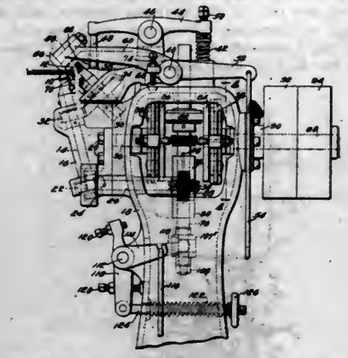
1,483,964. TAP FOR FLUID CONTAINERS. HYMAN LOUIS ABRAMOVITZ, Pittsburgh, Pa. Filed Feb. 25, 1919. Serial No. 279,120. 7 Claims. (Cl. 137—21.)



1. A device for removing plugs from the exterior of containers which have fluid under pressure therein, which consists in a discharge member of greater diameter than the plug adapted to be secured about the plug in such manner as to prevent the escape of fluid, and means extending through the discharge member for removing and holding the plug after the discharge member has been secured in place.

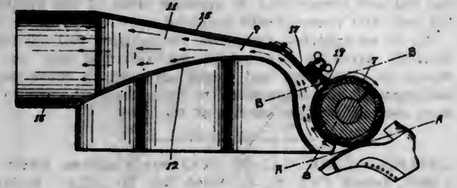
1,483,965. SOLE-MOLDING MACHINE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 26, 1918. Serial No. 224,705. 12 Claims. (Cl. 12—22.)

12. A sole molding machine having, in combination, a feed roll engaging the flesh side of the feather, a supporting roll engaging the grain side of the feather, the said rolls being arranged to rotate upon intersecting non-parallel axes and having their biting surfaces arranged substantially upon cones of revolution constructed upon the said axes, and a presser roll engaging the body of the sole for bending the sole over the support-



ing roll, said rolls arranged to cause the body of the sole to be positioned in a horizontal plane at the completion of the molding operation.

1,483,966. APPARATUS FOR REMOVING DUST. RICHARD C. COLLINS, Elmhurst, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 27, 1917. Serial No. 157,853. 1 Claim. (Cl. 51—273.)

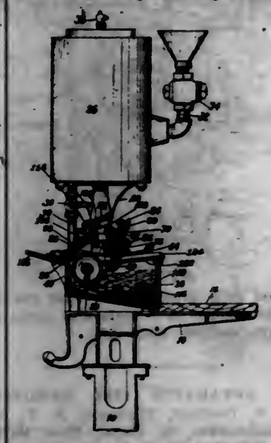


A machine of the class described having, in combination, a frame, a rotary buffing roll mounted on said frame with its under side unobstructed to allow presentation of the work thereto, a hood through which air is drawn to remove the dust generated by the action of the roll on the work, said hood having an inlet section comprising an inclined upper wall terminating in close proximity to the upper part of the periphery of the roll to intercept the dust carried around by the roll, side walls having curved edges in close proximity to the ends of the roll and a lower wall terminating below and at the rear of the roll and extending obliquely upwardly and backwardly in a reverse curve, and a substantially horizontal chamber decreasing in width and increasing in depth from front to rear and forming a rearward continuation for said upper, side and lower walls, the cross-sectional area of said chamber being constant throughout its extent and substantially equal to the cross-sectional area of the opening between the roll and the adjacent curved wall of the hood to conserve the draft.

1,483,967. APPLYING APPARATUS. JOHN W. COSGROVE, Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 4, 1920. Serial No. 363,297. 26 Claims. (Cl. 91—51.)

4. In an applying apparatus, means for advancing the work, an applying member movable in contact with the work in a direction opposite to its advance, and means extending about and corresponding in contour to the applying member for forcing the work into engagement with said applying member.

7. In an applying apparatus, an applying member arranged to operate simultaneously upon a plurality of separate objects throughout its length, and plural means situated on one side of the applying member, each means comprising co-operating advancing surfaces and each means acting independently of the associated means for effecting the feed of such separate objects.



18. In an applying apparatus, a tank, an applying roll rotatable therein, a rod extending across the tank above the applying roll, arms pivotally mounted upon the rod and terminating at opposite sides of the applying roll, and pressure-rolls mounted upon the arms.

25. In an applying apparatus, an applying roll having helically arranged depressions for retaining the substance to be applied, and means arranged to cause the substance in the depressions to be rubbed in a continuous coating over the surface of the work.

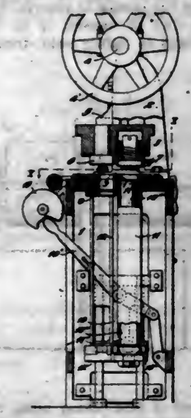
1,483,968. TANK GAUGE. CLAYTON CHESTER FERGUSON, Jersey City, N. J. Filed Oct. 20, 1919. Serial No. 331,896. 9 Claims. (Cl. 73—82.)



1. In a tank fluid measuring gauge the combination of a column, a flexible medium at one end of the column, to adapt the column to be locked with the opposed walls of the tank, a measuring rod slidably supported on the column, a float for the rod and means to attach it thereto.

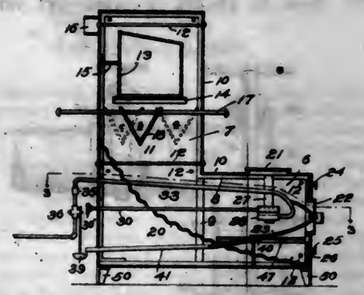
1,483,969. APPARATUS FOR CUTTING AND HANDLING CAN-END LINERS. CHARLES W. GRAHAM, Allendale, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Original application filed July 18, 1916, Serial No. 109,948. Patent No. 1,355,040, dated Oct. 5, 1920. Divided and this application filed Aug. 28, 1920. Serial No. 406,670. 16 Claims. (Cl. 164—22.)

1. In a machine for cutting and handling ring liners, the combination of means for feeding a continuous web of liner material, a reciprocable punching head arranged to operate near the path of said web, a core punch fixed in said head, an annular liner punch fixed in said head and arranged to cut a liner while said core punch is cutting a core, web-stripping means for said punches, die elements arranged at the other side of the web and co-



operating with said punches, a liner stack holder arranged to receive the cut liners, and a pilot carried by said head and adapted to engage with the end of the liner stack holder.

1,483,970. HEATING DEVICE. RANDEL GRAVES, Pittsburgh, Pa. Filed Feb. 1, 1921. Serial No. 441,568. 6 Claims. (Cl. 126—44.)



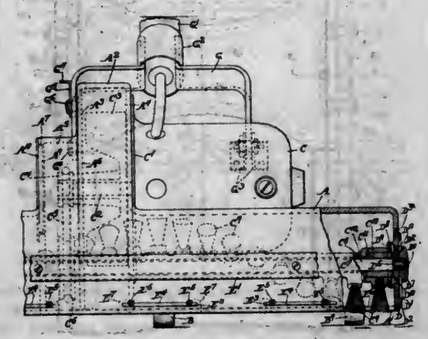
1. A stove comprising a heating means, a vertical portion having front and rear walls above the heating means, and a slidably supported V-shaped deflector in said vertical portion movable back and forth to deflect the heat toward the front or rear walls.

1,483,971. BRAKING MECHANISM FOR ROLLER CONVEYERS. JOSEPH GROSSMAN, Wallington, N. J. Filed Sept. 20, 1922. Serial No. 589,424. 15 Claims. (Cl. 198—35.)



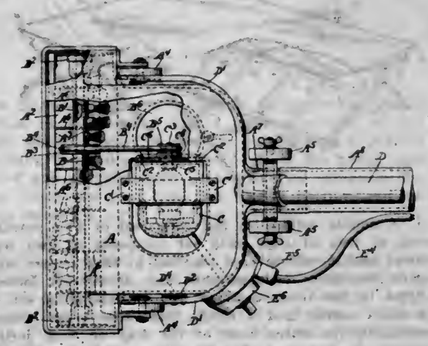
1. In combination with a roller conveyer having fixed rollers, of a braking device mounted for movement into frictional engagement with said rollers, operating against the under sides thereof while the load is free to operate on their upper sides.

1,483,972. SUCTION CLEANER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed June 10, 1918. Serial No. 239,090. 12 Claims. (Cl. 15—8.)



5. In a suction sweeper a hood, a brush mounted for rotation therein, the end of the hood being apertured, in combination with an integral member comprising a combined closure, brush adjuster and brush thread guard.

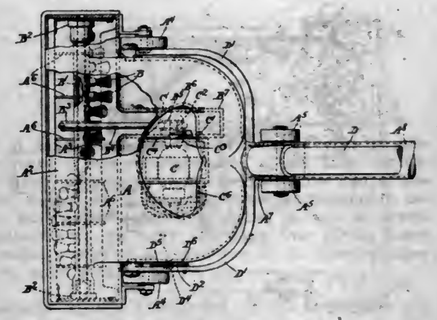
1,483,973. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Sept. 8, 1919. Serial No. 322,307. 4 Claims. (Cl. 15—8.)



1. A suction cleaner head comprising a casing having an inlet slot, and formed with a chamber connected with said slot, a conduit extending from the chamber in a direction substantially parallel to the floor, means for movably supporting the head on the floor, a motor driven agitator in said chamber and an electric motor to drive the agitator mounted on the head in substantially the same horizontal plane as the chamber and conduit.

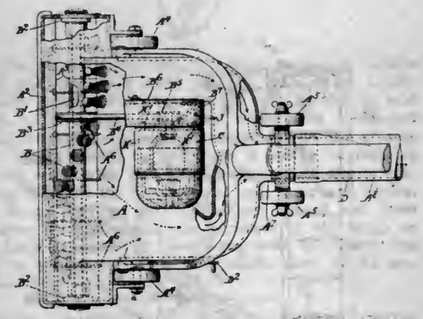
1,483,974. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Sept. 29, 1919. Serial No. 327,246. 1 Claim. (Cl. 15—8.)

In a suction sweeper the combination of a casing having an inlet, a brush chamber, a conduit leading from the brush chamber, and a downwardly depending belt housing secured to the conduit with an electric motor and casing secured to the housing, the motor shaft projecting through the wall thereof said housing having



an opening near the motor shaft to permit air to be drawn therethrough and thence through the belt housing into the foul air conduit.

1,483,975. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Oct. 20, 1919. Serial No. 331,906. 2 Claims. (Cl. 15—8.)

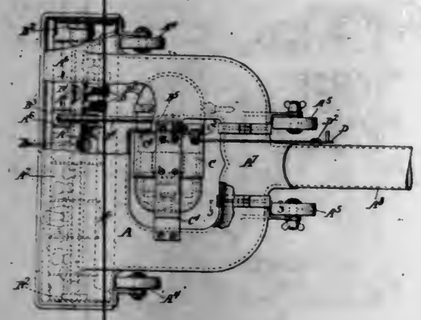


1. A suction sweeper comprising a casing having a nozzle provided with an inlet and a conduit in combination with a carpet agitating device mounted near the inlet, a motor supported on the conduit, a driving connection from the motor to the carpet agitating device and a housing to receive a portion of such driving device, said housing forming a part of the motor support, said conduit downwardly depressed between the nozzle and the outer end to make room for the motor.

1,483,976. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Nov. 3, 1919. Serial No. 335,343. 1 Claim. (Cl. 15—8.)

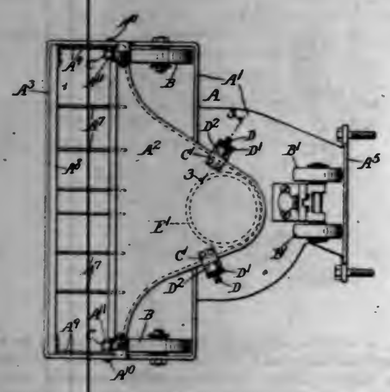
A suction sweeper comprising a casing having a nozzle provided with means whereby it is adapted to be supported above the surface to be cleaned and an inlet in combination with a combined handle and conduit pivotally connected with the casing, a carpet agitating device mounted near the inlet a drive housing extending

rearwardly from the casing, a motor on said housing and a driving connection between the motor and a



carpet agitating device within said housing, said motor and said drive housing being in rear of the pivotal connection of the combined handle and conduit to the casing.

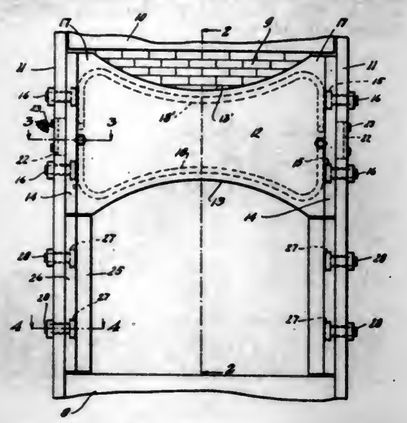
1,483,977. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Jan. 2, 1920. Serial No. 348,746. 8 Claims. (Cl. 15—9.)



1. A suction cleaner casing having a fan chamber, a suction chamber, and an inlet chamber having a mouth, in combination with a removable plate which when in position forms a wall of such suction chamber and a lip of said mouth, the fan chamber having an inlet opening adapted to receive a converter which extends into the suction chamber and connects with said inlet opening when the plate is removed.

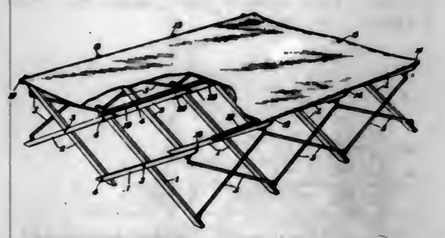
1,483,978. FURNACE-DOOR FRAME. PATRICK JOSEPH KEENAN, Chicago, Ill. Filed June 7, 1923. Serial No. 643,900. 9 Claims. (Cl. 110—173.)

9. A furnace door frame comprising a reversible arch member having similarly curved upper and lower portions, separate cheek plates beneath said arch member, said members and plates comprising side flanges and attached lateral strips all of equal length, and means for



interchangeably fastening the flanges of said arch member in the upper position of said frame or in the lower position in place of said cheek plates.

1,483,979. COLLAPSIBLE COT BED. MICHAEL LUERY, New York, N. Y. Filed July 29, 1920. Serial No. 399,871. 4 Claims. (Cl. 5—115.)

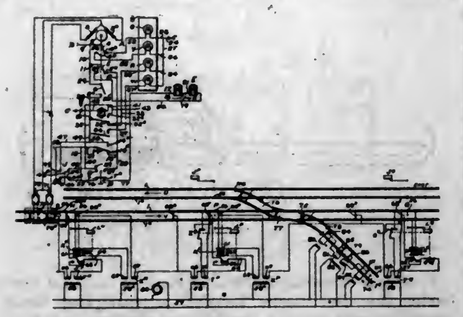


1. A double collapsible bed composed of two parallel series of sets of legs, each set composed of two legs crossed and loosely pivoted together at their centre, and having the inner ends of both legs of the set loosely pivoted to the inner ends of the corresponding set of the other series, and a toggle joint side brace loosely secured to the outer ends of the legs of each series, whereby the bed may be fully extended or may be collapsed longitudinally and laterally into a compact package, and a top detachably securable to the collapsible frame along each side, and a dowel secured to the top along its longitudinal centre and adapted when the bed is extended to lie in the crotch formed by the upper inner crossed ends of the legs.

1,483,980. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 11, 1923. Serial No. 656,874. 7 Claims. (Cl. 246—38.)

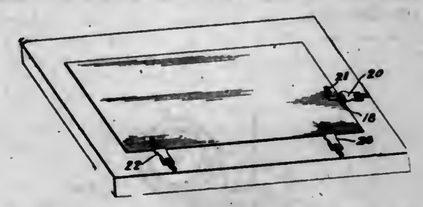
1. Railway traffic controlling apparatus comprising positive control territory equipped with means for supplying track circuit and line energy to vehicles and non-positive control territory not so equipped, said means being arranged to supply track circut and line energy of one instantaneous relative polarity or the other according to proceed or caution traffic conditions, two short

sections of track adjacent the junction of said territories, means associated with the section nearer to the positive control territory for supplying track circuit and line energy of caution relative polarity to vehicles moving



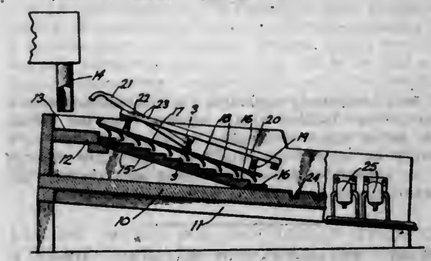
toward the positive control territory, and means associated with the other short section for supplying track circuit and line energy of proceed relative polarity to vehicles moving away from the positive control territory.

1,483,981. PRINTING PRESS GAUGE. EDWARD L. MEGILL, New York, N. Y.; Alfred V. Hart executor of said Edward L. Megill, deceased. Filed Mar. 18, 1920. Serial No. 366,769. 11 Claims. (Cl. 101—415.)



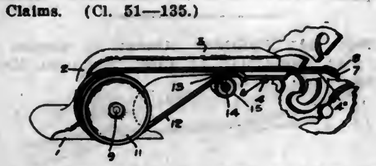
10. In combination, a tympan, a gauge having a head vertical to the tympan and a member carried by the gauge wholly above the tympan and having a portion extending forwardly of the head above the lower edge thereof and provided with a sheet-guiding extension disposed transversely of the first named portion and inclined upwardly away from the tympan.

1,483,982. AMALGAMATOR. CHARLES MEYER and HENRY B. MEADE, Los Angeles, Calif., assignors to Frank A. Gillespie, Los Angeles, Calif. Original application filed June 2, 1921, Serial No. 474,344. Divided and this application filed Oct. 20, 1921. Serial No. 509,034. 6 Claims. (Cl. 83—67.)



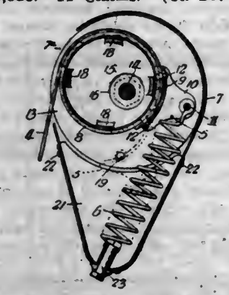
1. An amalgamator comprising a series of stepped riffles having amalgamating surfaces, and a series of baffle plates above the riffles, each of said plates being of concave form and associated with the respective riffle to effect a vertical whirling motion of pulp traversing the riffles.

1,483,983. SANDING DEVICE FOR SCROLL AND FRETWORK. JOHN CLEGHORN MUNDELL, Elora, Ontario, Canada. Filed June 12, 1922. Serial No. 567,868. 3 Claims. (Cl. 51—135.)



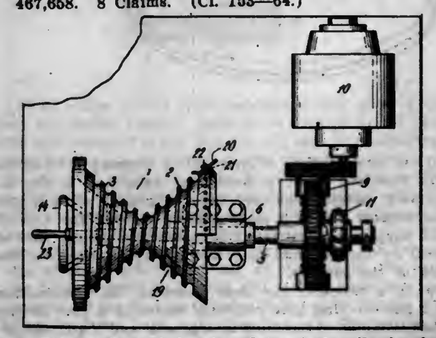
1. A sanding machine for scroll work and the like comprising a supporting structure, a thin finger extending therefrom adapted to be inserted in the kerf of the scroll work, and means adapted to simultaneously engage the parallel opposing edges of the kerf to travel parallelly over the upper and lower face of the finger in contact therewith and crosswise of the opposing edges of the scroll work kerf.

1,483,984. SHOCK ABSORBER. JAMES C. NICHOLS and ELMER RYDER, Chicago, Ill. Filed June 26, 1922. Serial No. 570,826. 11 Claims. (Cl. 267—10.)



1. The combination with a spring supported vehicle frame and axle, of a shock absorber, comprising a non-rotatable drum and a fixed member both carried by said frame, a strap partially looped about said drum and having frictional engagement therewith, one end of said strap being secured to said axle, a spring having one end connected with said fixed member, and means connecting together the free ends of said strap and spring, said means moving with said strap toward and from the drum and increasing the purchase of the strap on said drum when moved toward the same by causing the strap to engage the drum on opposite sides of its connection with said spring.

1,483,985. METHOD OF MAKING SPIRAL COILS. JOSEPH PRICE, New York, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a Corporation of Delaware. Filed May 7, 1921. Serial No. 467,658. 8 Claims. (Cl. 153—64.)



1. The method of forming flat spiral coils for heat exchanging apparatus comprising winding the material

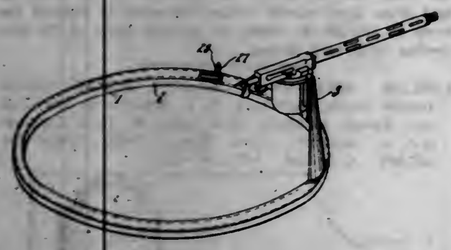
of the coil into a conical spiral and subsequently compressing the turns of said spiral into substantially the same plane.

1,483,986. HAY PUSHER. ANDREW A. RISSER, Wisner, Nebr. Filed Mar. 12, 1923. Serial No. 624,340. 1 Claim. (Cl. 56—397.)



A pusher attachment for a sweep including a rectangular frame member, diagonal members connecting opposite sides of said frame members, means for detachably pivoting said frame members to the prongs of the sweep, the said sweep having a frame extending rearwardly of the prongs thereof carrying an operator's seat, a shaft rotatably mounted on said frame adjacent the operator's seat and provided with a handle extending in proximity to said seat, laterally projecting arms on said shaft, laterally projecting arms on said rectangular frame, and links connecting the arms on said frame to the arms on said shaft, whereby the operator of the sweep may manually operate and control the movement of the pusher through the medium of the handle on said shaft and the links connecting the said laterally projecting arms.

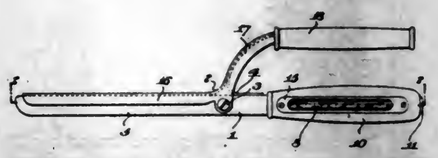
1,483,987. TURRET MOUNT FOR AUTOMATIC GUNS. HUGH M. ROCKWELL, New Haven, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed Dec. 16, 1918. Serial No. 266,897. 14 Claims. (Cl. 89—40.)



1. In combination, a standard, a support pivoted on said standard about a horizontal axis, and a gun so mounted thereon that the center of gravity of said gun and support lies in a plane passing through the axis of said support approximately perpendicular to the line of recoil of the gun and said line of recoil intersects the axis of the support.

9. In a device of the class described, the combination of a gun-carrying head rotatably seated in a ring having offset trunnions journalled in supports, and a gun mounted on the head so that its center of gravity is in the same plane as the axis of the trunnions.

1,483,988. HAIR-DRESSING DEVICE. WALTER H. SAMMONS, Philadelphia, Pa. Filed Dec. 2, 1921. Serial No. 519,348. 8 Claims. (Cl. 132—37.)



1. A hair dressing device comprising a recessed shaft having jaw and handle sections, a fenestrated handle sleeved on said shaft, a thermometer disposed in said recess and visible through the fenestration of said handle and a plug engaged in an end of said shaft, said plug having a flange engaging and positioning said handle.

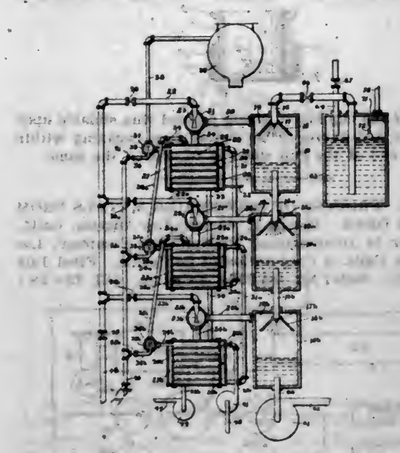
1,483,989. EJECTOR CONDENSING APPARATUS. ARTHUR EDWIN LEIGH SCANES, Ashton-on-Mersey, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 24, 1920. Serial No. 426,252. 7 Claims. (Cl. 230—13.)



1. In a condensing apparatus the combination with a device of the Leblanc rotary ejector type the broken water jet of which is supplied to a central cone, of a plurality of nozzles the jets from which are directed into an annular chamber surrounding said central cone substantially as and for the purpose specified.

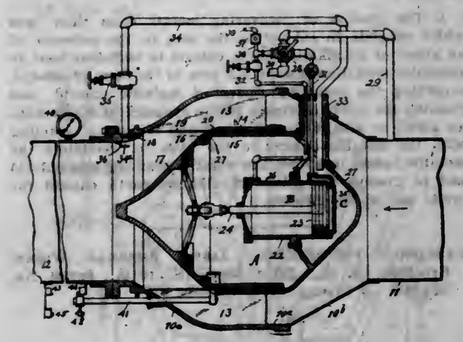
1,483,990. REFRIGERATING MACHINE. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 2, ...1. Serial No. 466,060. 10 Claims. (Cl. 62—178.)

1. The method of refrigeration involving the evaporation of a portion of a refrigerant for the purpose of lowering the temperature thereof, which comprises subjecting the refrigerant to zones of progressively lower



pressures, removing vapors from the refrigerant in the several zones, and condensing the vapors from each zone separately.

1,483,991. VALVE. DONALD W. SLATTERY, East Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 1, 1920. Serial No. 385,684. 8 Claims. (Cl. 137—139.)



8. In combination with a conduit, a valve therein comprising an outer casing and an inner hollow member with a movable part constituting a plunger, means for actuating said plunger to open and close the valve, and a stationary passageway communicating with the interior of the valve and with the water-way and serving to maintain within the hollow member substantially the same pressure as exists on the nose of the plunger regardless of the position of the latter or its direction of movement, and a valve for opening and closing said passageway.

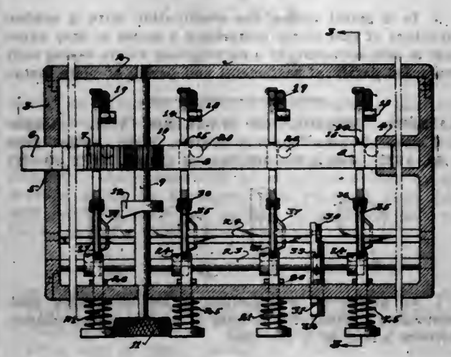
1,483,992. MEANS FOR SPINNING UP GYROSCOPES ON AIRCRAFT. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 21, 1920. Serial No. 360,319. 32 Claims. (Cl. 244—2.)

1. In combination, an aircraft provided with a gyroscope, a launching track for said aircraft, means exterior to said aircraft for spinning up said gyroscope, means on said aircraft for sustaining the spin of said gyroscope, and means for automatically disconnecting said gyroscope



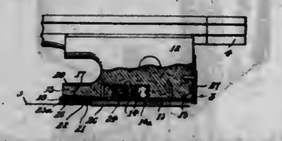
from the first named means and connecting the gyroscope to the second named means during the launching of the aircraft from said track.

1,483,993. PERMUTATION LOCK. FRANK W. SPROWLES and WILLIAM C. FAUNCE, Philadelphia, Pa. Filed July 31, 1922. Serial No. 578,554. 13 Claims. (Cl. 70—54.)



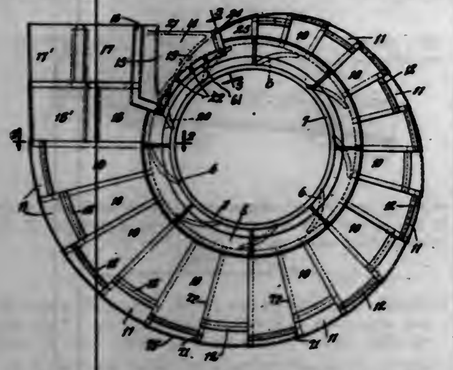
1. In a permutation lock; a casing; a bolt slidable therein; means for actuating the bolt, and means automatically movable into the path of the bolt for holding the bolt in locked and unlocked positions.

1,483,994. VIOLIN BOW. JOHN STADNICZEK, Elizabeth, N. J. Filed Jan. 6, 1923. Serial No. 611,079. 4 Claims. (Cl. 84—282.)



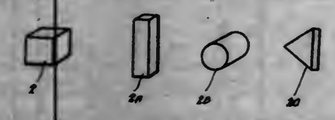
3. In a bow of the type described, a bow stick, a frog and tip carried thereby, horse hairs knotted at the opposite ends received in the frog and tip, said frog including a block having spaced sockets in the lower edge thereof for the selective reception of the knot, a face plate secured to the edge of the block and having apertures registering with the sockets, guide flanges at the side edges of the face plate, an outwardly directed shoulder at the forward edge of the face plate, a ferrule inclosing the forward edge of the block and having an opening in the upper side thereof defining a cross rod, and a clamping plate mounted on the face plate beneath the guide flanges overlying the horse hairs and extending into the ferrule for gripping the horse hairs between the forward edge thereof and said ferrule cross rad.

1,483,995. COMPOSITE SPIRAL CASING. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Filed Apr. 24, 1922. Serial No. 556,143. 19 Claims. (Cl. 253—120.)



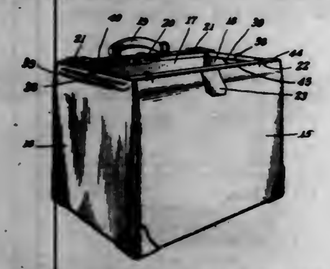
1. In a spiral casing the combination with a central structure of cast metal comprising a series of stay vanes cast in said structure, of a surrounding volute casing body composed partly of cast metal and partly of plate metal.

1,483,996. METHOD OF MARKING COAL. GORDON WALTER ROBERT TONGUE, Seattle, Wash. Filed June 14, 1922. Serial No. 568,264. 3 Claims. (Cl. 40—2.)



1. An article of manufacture, a self-identifying coal, comprising inflammable articles of predetermined characteristics mixed with the coal.

1,483,997. BAG FRAME. HUGO TUECKMANTEL, Newark, N. J. Filed Dec. 14, 1922. Serial No. 606,785. 3 Claims. (Cl. 190—49.)



1. A hand bag comprising the combination with a flexible bag body capable of being fully opened at the top, and a folding frame wholly contained within the bag body near the edges of the side and end walls adjacent the top, said frame consisting of toggle elements at the ends thereof, and side members each constructed of two elements placed at an angle with each other, said last mentioned elements being spaced from and attached to each other, the flexible bag body being secured adjacent said space.

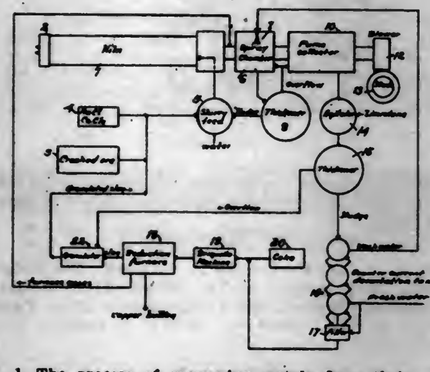
1,483,998. CUP FOR WORKING VALVES. WILLIAM J. WALKER, Bradford, Pa., assignor of one-sixth to Arden Kewley, Bradford, Pa. Filed Nov. 22, 1922. Serial No. 602,562. 3 Claims. (Cl. 74—109.)

1. In a cup structure for working valves including a piston, a cup arranged upon the piston formed of soft metal reinforced with a harder metallic wire and adapted to be expanded, a sleeve on the piston engaging the bottom



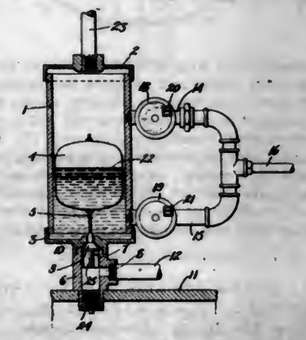
portion of the cup and a spring pressed ring slidable upon the sleeve and having a beveled surface engaging within the open end of the cup whereby to expand the same.

1,483,999. PROCESS OF RECOVERING METALS FROM THEIR ORES. HARRY V. WELCH, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed July 19, 1921. Serial No. 485,920. 8 Claims. (Cl. 75—18.)



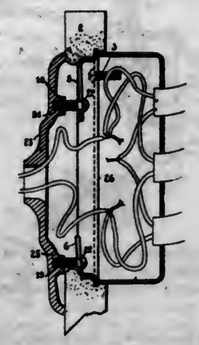
1. The process of recovering metals from their ores which consists in subjecting the ores in the presence of an alkali or an alkaline earth chlorid to sufficient heat to volatilize metallic values of the ores in the form of chlorid, collecting the resulting fumes of metallic chlorid, and treating the collected fumes in the presence of water with an alkali or alkaline earth compound capable of reacting with the metallic chlorid in the fume to precipitate the metallic values in a form less volatile than the said chlorid and to produce an alkali or alkaline earth chlorid for cyclic use in the process.

1,484,000. VAPORIZER. JARVIS SHERMAN WIGHT, Brooklyn, N. Y. Filed Sept. 18, 1919. Serial No. 324,899. 9 Claims. (Cl. 123—25.)



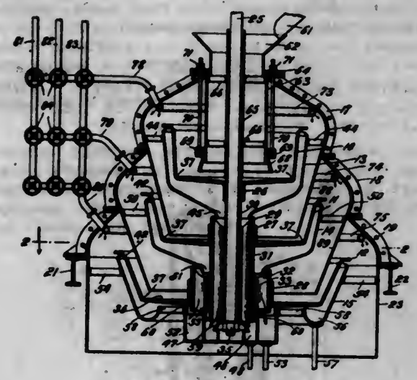
1. The combination with a vaporizer having a vapor chamber, of a supply passageway for an internal combustion engine connected therewith, air and water intakes to said chamber, and separate water and vapor outlets from the chamber to the supply passageway.

1,484,001. FIXTURE-HANGING DEVICE. GEORGE R. AINSWORTH, Great Neck, N. Y. Filed Jan. 2, 1922. Serial No. 526,450. 1 Claim. (Cl. 240—85.)



In a fixture hanging device the combination with a fixture to be supported of an apertured plate having a plurality of extensions, slots in said extensions said slots being in substantial alinement, said extensions being inclined at an angle to the plate and parallel to each other, and a back plate provided with headed screws to register with their respective slots, the heads of said screws engaging the inner wall of said extensions adjacent the slots.

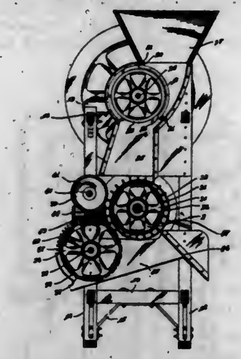
1,484,002. APPARATUS FOR SEPARATING LIQUIDS FROM SOLIDS. JOSEPH AVRUTIK, Yonkers, N. Y. Filed Nov. 26, 1920. Serial No. 426,667. 11 Claims. (Cl. 210—66.)



3. An apparatus for separating liquids from solids, comprising a series of receptacles, means for actuating the receptacles, a casing for enclosing the receptacles, a perforated pipe located above each receptacle, and means for forcing fluid through the perforations in the pipe, said perforations being directed toward the point of discharge from the receptacle.

1,484,003. CIDER MILL. GEORGE BENNETT, Port Hope, Ontario, Canada. Filed Apr. 7, 1921. Serial No. 459,418. 6 Claims. (Cl. 100—47.)

1. A device of the character described comprising in combination a frame composed of upright members, members connecting the said upright members, a hopper member disposed on the upper extremity of the said frame, a reservoir hopper disposed for reception of cut apples, spaced side wheels having outwardly extending hollow sleeves positioned centrally on their outer sides, a primary drum mounted on a transverse shaft, the ends of last shaft being eccentrically journaled in said sleeves, a plurality of wheels mounted on the said transverse

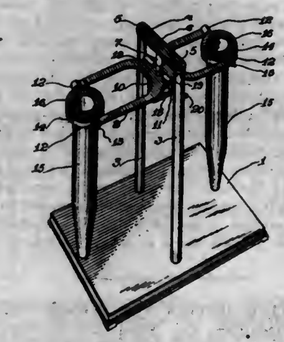


shaft, an annular casing circumferentially disposed about the said drum having slots therein, the said annular casing being mounted on the said spaced side wheels which rotate on the eccentric ends of the said transverse shaft, imparting an eccentric motion to the annular casing in alinement with the said drum, the said eccentric movement serving to gradually increase the compression on the ground apples.

1,484,004. PROCESS FOR THE PRODUCTION OF PRODUCTS CONTAINING CELLULOSE AND ALKYLCELLULOSE. ERNST BEEL, Darmstadt, Germany. Filed Oct. 6, 1922. Serial No. 592,841. 5 Claims. (Cl. 18—54.)

1. Process for the production of products containing cellulose and alkylcellulose consisting in transforming into a colloidal solution cellulose esters and alkylcellulose with the aid of dissolvants, and in treating the products produced from the mixture with substances for the conversion of the cellulose esters into cellulose.

1,484,005. WEIGHING BALANCE. JULIUS BOEKEL, Philadelphia, Pa. Filed Dec. 20, 1922. Serial No. 607,952. 6 Claims. (Cl. 265—54.)



1. In a weighing balance, a beam having a bifurcated portion, the arms of said bifurcation having thin end portions, said end portions being provided with register-

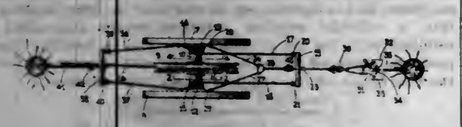
ing bearings, in combination with a suspending ring adapted to receive a third element and having stud-shafts received in, and supported by, the respective bearings.

1,484,006. COMBINED CONTAINER AND MATCH CARRIER. VICTOR A. BRET, Minneapolis, Minn. Filed May 15, 1922. Serial No. 560,965. 1 Claim. (Cl. 206—38.)



A combined container for a standard carton of cigarettes and a standard box of matches, comprising an elongated substantially rectangular casing formed from a single blank of material having an open end and a partition extending thereacross adjacent its other end, said casing having its sides open beyond said partition and having a slot formed in its other end, whereby a passage open at both ends is formed beyond said partition, the sides of which are movable toward each other and adapted frictionally to engage a standard box of matches disposed therein.

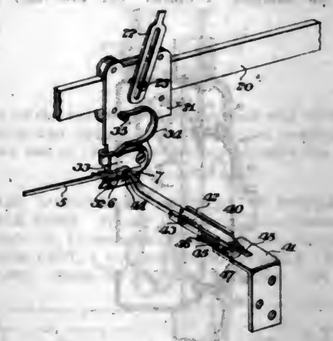
1,484,007. STUMP-PULLING APPARATUS. HAROLD C. BRUNS, Lacombe, Alberta, Canada. Filed May 16, 1922. Serial No. 561,489. 1 Claim. (Cl. 254—166.)



In a stump pulling apparatus, a pair of wheels, an axle loosely mounted thereon, a main pulley wheel fast on said axle, secondary pulleys on opposite sides of said main pulley and fast on the axle, ratchets on the secondary pulleys, pawls engaging said ratchets, members loosely mounted on said axle and carrying said pawls, a cable wound around and connected to the main pulley wheel, cables wound upon and connected to the secondary pulleys, a bar to which said last-named cables are attached, a yoke adapted to be connected to the stump to be pulled, a pulley rotatably mounted in said yoke, a cable reeved around the pulley and having one end connected to said bar and the other end connected to the members carrying said pawls, a cable adapted to be connected to an anchor, a bar to which it is connected, and rods connected to said bar and to the members carrying said pawls.

1,484,008. WIRE MOTION FOR LOOMS. GEORGE H. CHALK, Philadelphia, Pa. Filed May 27, 1921. Serial No. 473,039. 7 Claims. (Cl. 139—40.)

1. In a pile fabric loom, the combination with the pile forming wires having enlarged eye portions and a reciprocating holder adapted to engage and grip said eye portions and to insert the wires into the shed, of means adapted to positively engage the eye portion of the wire



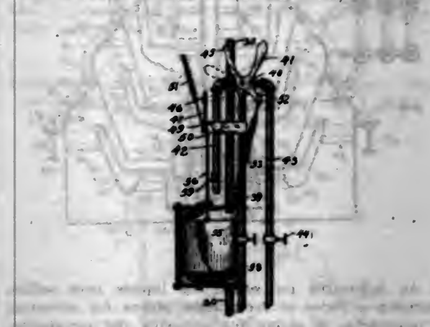
and retain the same against retraction by the holder in the event that the same is not normally withdrawn therefrom.

1,484,009. HINGE. HENRY W. CORNING, Cleveland, Ohio. Filed Dec. 27, 1919. Serial No. 347,759. 3 Claims. (Cl. 16—149.)



1. In combination, a table having in one edge thereof a vertical groove and a concealed intersecting horizontal groove, a hinge supporting member seated within said vertical groove and having a lateral extension projecting into the horizontal groove, and a hinge member pivotally connected with said supporting member.

1,484,010. LIQUID-DISPENSING SYSTEM. EMORY CROUSE, Wichita, Kans. Filed Jan. 16, 1922. Serial No. 529,773. 3 Claims. (Cl. 221—74.)



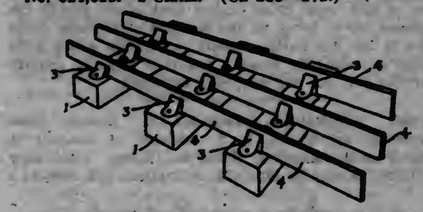
1. In dispensing apparatus of the class described, the combination of a supply tank, a container, a fill pipe extending from said tank to said container, an overflow pipe extending upwardly in said container, an air control valve, a vent pipe connected with the tank and with said valve, an air supply pipe connected with the valve, said valve having an exhaust port and also having means whereby it will connect the air supply pipe to the vent pipe, close either the air pipe or the exhaust and for connecting the vent pipe to the exhaust while the air supply pipe is closed, means whereby said air control valve is held in the position in which the air supply is connected to the vent pipe, and means operated by liquid flowing through the overflow pipe for automatically closing said air supply pipe and connecting said vent pipe with said exhaust when the liquid in the container overflows into the overflow pipe.

1,484,011. ROADWAY, PAVEMENT, STAIRWAY, OR THE LIKE AND MATERIALS FOR THE CONSTRUCTION THEREOF. MORLAND MICHOLL DESSAU, London, England. Filed Oct. 29, 1923. Serial No. 671,560. 5 Claims. (Cl. 94—5.)



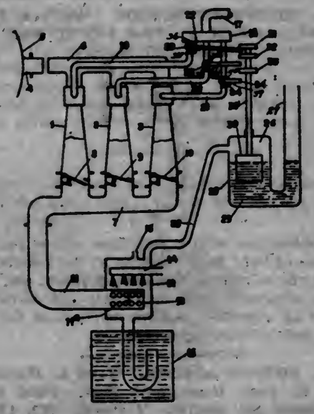
1. A wearing surface of the character described, consisting of self-contained units of rubber in relatively small pieces embedded in a plastic binding agent before the latter sets; the several units each having a cross sectional area greater at the top and bottom thereof than at an intermediate point, whereby said units are permanently and immovably secured in spaced relation in the body of the binding agent when the latter sets.

1,484,012. TOY RAILWAY TRACK. MILTON S. DUNKELBERGER, Dayton, Ohio. Filed Mar. 12, 1923. Serial No. 624,618. 1 Claim. (Cl. 238—272.)



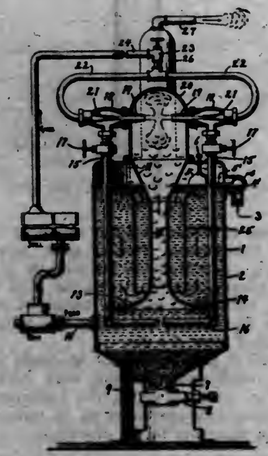
A toy railway track comprising a series of ties, rails therefor comprising bars of spring metal, and clamping pieces secured to said track, each clamping piece being crimped to form two hump portions with a groove between them to receive a rail.

1,484,013. EJECTOR APPARATUS. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Aug. 21, 1918. Serial No. 250,899. 10 Claims. (Cl. 230—13.)



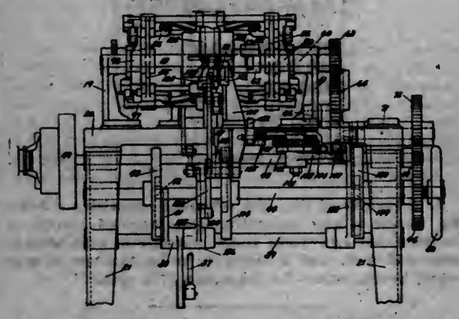
1. The combination with a plurality of separately controlled fluid operated ejectors for extracting fluids from a receptacle to which they are connected, of a vented water heater for receiving the exhaust motive fluid and extracted fluid from the ejectors, and means responsive to pressure within the water heater for controlling the admission of motive fluid to the ejectors.

1,484,014. PROCESS FOR CONVERSION OF HYDROCARBON OILS AND SIMILAR SUBSTANCES. VICTOR LEE EMERSON, Philadelphia, Pa. Filed Nov. 3, 1919. Serial No. 335,563. 2 Claims. (Cl. 196—25.)



2. The process of conversion of hydrocarbon oils which consists in imparting sufficient kinetic energy to a mass of the same to cause dissociation on impact, subjecting said energized mass to impact by the mutual impingement of jets of the same, subjecting the resultant products to impact, imparting kinetic energy to a separate mass of hydrocarbon oil by mixing the same with said first mentioned energized mass, subjecting the mixture to impact, subjecting the products of impact thus formed to intimate contact with a fresh mass of hydrocarbon oil and separating out the resultant products.

1,484,015. WRAPPING MACHINE. MILFORD B. FERGUSON, Brooklyn, N. Y., assignor of one-half to Edward Haas, Brooklyn, N. Y. Filed July 1, 1922. Serial No. 572,148. 17 Claims. (Cl. 93—5.)



1. A wrapping machine having in combination a flexible tape, arc-shaped means for supporting the tape, means for feeding a wrapper and an article to the tape, and means moving in one direction only for looping the tape about the article and wrapper and for causing the loop to travel on the tape support and thereby roll the wrapper about the article.

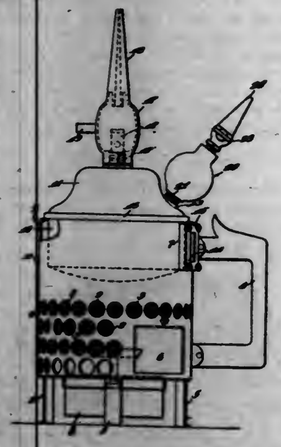
1,484,016. CONFECTIONERY. ALEXANDER D. FISHER, Toronto, Ontario, Canada. Filed May 3, 1922. Serial No. 558,210. 4 Claims. (Cl. 107—1.)



3. A process of forming tubular chocolate tubes which consists in continuously forcing solid bulk chocolate through a die, controlling the temperature of the chocolate during compression by circulating fluid around the die so as to maintain a suitable degree of plasticity in the chocolate, and cutting the tubing into suitable lengths as it is expelled from the die.

4. A process of forming tubular chocolate tubes which consists in continuously forcing solid bulk chocolate through a die, and controlling the temperature of the chocolate during compression so as to maintain a suitable degree of plasticity in the chocolate.

1,484,017. SPRAYER. EDITHE FLUESO, Allentown, Pa. Filed Oct. 12, 1922. Serial No. 594,074. 3 Claims. (Cl. 299—95.)



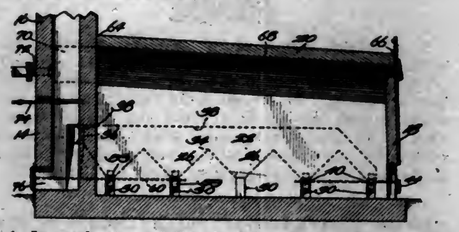
1. A sprayer of the class described comprising a housing having a heat generating unit mounted therein, a closed steam generating vessel mounted in said housing over said unit, and a safety valve in the top of said vessel having means for connection of a nozzle.

1,484,018. OBTAINING PRODUCTS FROM CHLORINATED HYDROCARBONS. HENRY A. GARDNER, Washington, D. C. Filed June 30, 1920. Serial No. 393,091. 5 Claims. (Cl. 260—170.)

chloric acid from chlorin derivatives of hydrocarbons, comprising mixing a high-boiling chlorinated hydrocarbon with a nonchlorinated material of higher boiling point which is liquid at the temperature employed, and subjecting the mixture to a sufficient temperature below its boiling point to eliminate the combined chlorin as hydrochloric acid, and collecting the hydrochloric acid thereby evolved.

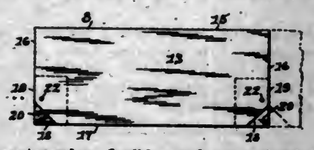
4. In a process of preparing unsaturated products from chlorinated hydrocarbons, the step which consists in distilling the unsaturated hydrocarbon from a liquid bath containing an added higher boiling component.

1,484,019. FURNACE. AUBREY J. GRINDLE, Chicago, Ill., assignor to Grindle Fuel Equipment Company, Harvey, Ill., a Corporation of Illinois. Filed Feb. 4, 1922, Serial No. 534,239. Renewed Dec. 12, 1923. 4 Claims. (Cl. 263—43.)



1. In mechanism of the class described, a flue for the passage of gas to a stack or the like provided with a bottom of saw tooth cross section over which gas in the flue passes, there being, in the bottoms of the saw tooth notches in the flue bottom, openings through which solid particles deposited by passing gas may slide by gravity out of the flue, for the purposes set forth.

1,484,020. FLEXIBLE UNDEREAVE. ALBERT ABEL GRISWOLD, Providence, R. I., assignor of one-half to John Francis Chevalier, Brookline, Mass. Filed July 27, 1923. Serial No. 654,172. 5 Claims. (Cl. 108—8.)



1. A rectangular flexible undereave having parallel top and bottom edges, parallel side edges, angular lower corner edges and underturned side flaps, for the purpose as described.

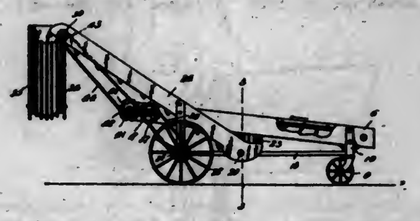
1,484,021. REAR-VIEW MIRROR. WILLIAM P. HAMMOND, Maplewood, N. J. Filed July 31, 1922. Serial No. 578,616. 7 Claims. (Cl. 88—1.)



3. In combination with a rear view mirror for reflecting the rays of light from the rear of the vehicle, means to support the mirror in operative position, and absorbing means, associated with the mirror and movable into and out of an operative position in front of the mirror to absorb part of said light rays.

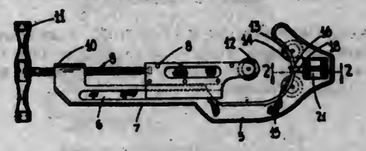
1,484,022. POTATO LOADER. HANS L. HANSEN and ALBERT H. VOSS, Hemingford, Nebr. Filed Jan. 10, 1923. Serial No. 611,740. 1 Claim. (Cl. 180—82.)

A potato loader and sorter comprising a wheel mounted frame, spaced bars mounted upon the forward portion of the frame and being upwardly and rearwardly inclined, some of the said bars terminating at their rear ends at a line between the ends of the frame and other intervening bars extending rearwardly beyond the ends of the first mentioned bars, conveying means mounted for movement over all of the said bars, spaced bars located under the rear end portions of the longer first mentioned bars, the last mentioned bars being disposed transversely of the line of movement of the loader and being inclined downwardly beyond one side of the frame, an upwardly and rearwardly disposed trough communicating with the delivery end of the transversely disposed



bars, a series of spaced rods located in advance of the forward end of the trough and disposed parallel with the line of movement of the loader, an elevator mounted for movement along the trough and a hopper disposed under the upper rear end of the trough and composed of spaced bars which are downwardly inclined from the delivery end of the trough, the bars of the hopper being disposed transversely of the line of movement of the loader and the delivery end of the hopper being disposed beyond the side and the outer surfaces of the supporting wheels of the frame.

1,484,023. PIPE-CUTTER. WILLIS HAWTER, Carbonear, Newfoundland, assignor of one-half to Albert Edward Penney, Carbonear, Newfoundland. Filed May 16, 1922. Serial No. 561,492. 2 Claims. (Cl. 81—189.)



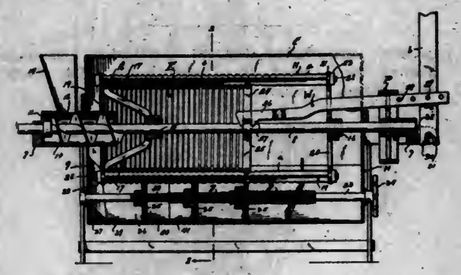
1. In combination with a pipe cutting tool, burring mechanism adapted for removing the burr caused by the cutters of the said cutting tool during the cutting operation; said burring mechanism constituting a burring head disposed intermediate the cutters of the said cutting tool and means movably mounted on the shank of said head whereby the said burring head may be adjusted to compensate for variations in the nominal sizes of pipe, said adjusting means being disposed within the confines of the support of the burring head.

1,484,024. DOOR. CARL HEDMAN, Spokane, Wash. Filed Feb. 25, 1922. Serial No. 539,091. 1 Claim. (Cl. 20—85.)



The combination with a door, of a hanging style circular in cross section and having a longitudinal mortise receiving an edge of the door, top and bottom circular bearing plates attached to said style and integral arms on said plates attached to the door, and a door casing having a molding strip formed with a concave face for engaging said style.

1,484,025. GRADING MACHINE. MICHAEL HOFER, Dean Lake, Minn. Filed Nov. 18, 1922. Serial No. 600,605. 9 Claims. (Cl. 130—16.)



6. A grading machine comprising a shaft, means for rotating the same, a pair of members surrounding the shaft and spaced apart longitudinally thereof, means for connecting each of said members to the shaft for rotation therewith, a member slidably mounted upon the shaft between the two first named members, a coiled member surrounding the shaft and terminally connected to one of the first named members and to the sliding member, movement of the last named member lengthwise of the shaft increasing or decreasing the spaces between the convolutions of the coiled member, elongated members interposed between and rotatably supported by the first named members, said elongated members being provided with outstanding notched flanges, said elongated members when in one position being free of the coiled member, the convolutions of the coiled member being engaged within the notches of the flanges of the elongated members when said elongated members are in a second position whereby the coiled member is locked against expansion or contraction.

1,484,026. FOUNTAIN BRUSH. MILTON JACOBS, Poplar Bluff, Mo. Filed May 3, 1922. Serial No. 558,261. 1 Claim. (Cl. 15—128.)



In a fountain brush, a casing having an open bottom, angular stops on the inside of the top of the casing, a brush head fitting within the open bottom of the casing and bearing against said stops, a plurality of tubes extending through the brush head, the top of the casing being formed with holes, and a water conducting pipe member secured upon the top of the casing and provided with holes registering with said first named holes.

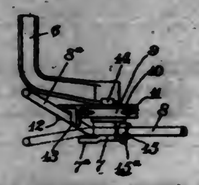
1,484,027. SPIRAL FOUNTAIN BRUSH. MILTON JACOBS, Poplar Bluff, Mo. Filed May 3, 1922. Serial No. 558,262. 1 Claim. (Cl. 15—128.)



A fountain brush comprising a conical conduit constituting a nozzle and having a threaded stem extending axially from its apex, a clamping nut for said stem, the nozzle being provided with a plurality of rows of per-

forations, the large end of the nozzle being provided with a threaded stud and cooperating nut, the outer face of the tapering nozzle being smooth, a narrow flexible brush clampingly engaged at one end to the large end of the nozzle by means of the nut and stud, and extending spirally around the nozzle and having its other end clampingly engaged with the stem at the apex of the nozzle by means of the nut thereon, the brush overlying certain of the openings.

1,484,028. CONCRETE-MIXING MACHINE. GERHARD JACOBS, Poplar Bluff, Mo. Filed May 3, 1922. Serial No. 557,296. 5 Claims. (Cl. 83—73.)



1. In a mixing machine, the combination of a supporting frame, a mixing drum, a supporting yoke for the drum having a trunnion turning in said frame, a pair of arms connected with the trunnion for swinging the drum, one of said arms mounted to swing toward and from the frame, and a stop with which said arm may be engaged to arrest the same.

1,484,029. MULTIPLE-STEP PROCESS OF PHOTOGRAPHIC REPRODUCTION. ROBERT JOHN, New York, N. Y., assignor to Daylight Film Corporation, a Corporation of New York. Filed Oct. 7, 1919. Serial No. 329,078. 4 Claims. (Cl. 95—5.6.)

1. The process of forming a photographic record of lights and shades capable of use as a transfer printing plate, which comprises developing an exposed photographic emulsion with a partial-emulsion-hardening solution and then hardening portions of emulsion adjacent the light affected sensitive content of the emulsion with an agent adapted to harden said emulsion by reaction with the light affected sensitive content of the emulsion, and with a neutralizing agent for said hardening agent, the relative proportions of said hardening and neutralizing agents being such as to control selectively the effective area of influence of the hardening agent but to an extent less than the complete neutralization of said hardening agent.

1,484,030. MEANS FOR CONTROLLING MOTION IN FLUID-PRESSURE APPARATUS. JOHN GEORGE AULSEBROOK KITCHEN, Lancaster, England. Filed Jan. 30, 1923. Serial No. 615,958. 4 Claims. (Cl. 121—41.)



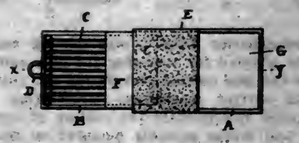
1. A fluid pressure motor or engine comprising in combination, a piston with recesses at its opposite sides, a cylinder for said piston, with means for applying pressure to the opposite sides of said piston, an exhaust connection, and a valve controlling communication between the opposite sides of the said piston and the exhaust connection, the said valve comprising three elements, one having a movable discharge area therein, a second element having a fixed discharge area, one of said two last named elements being the cylinder aforesaid, one of said discharge areas consisting of a row of closely spaced ports extending the full length of the cylinder, and the third element consisting of the piston aforesaid, which automatically regulates the size of the discharge area available at its opposite sides when equilibrium is established, the recesses in said piston lying contiguous to and being adapted to bridge over the spaces between the spaced ports.

1,484,031. OPERATING MEANS FOR AUTOMOBILE-DOOR LATCHES. FREDERICK KLEINSMITH, Indianapolis, Ind. Filed Dec. 31, 1921, Serial No. 526,188. Renewed Oct. 19, 1923. 5 Claims. (Cl. 296—48.)



2. The combination with an automobile door having a sliding panel therein, of a latch on said door at one side of the path of said panel, a handle positioned at the opposite side of the path of said panel, a flexible member connecting said latch and handle and removed from the path of the panel, and means for removing slack from said flexible member.

1,484,032. WINDPROOF MATCH BOX. ALEXIS KONSHIN, Yokohama, Japan, assignor of one-half to John Gadsby, Tokyo, Japan. Filed Jan. 6, 1922. Serial No. 527,473. 1 Claim. (Cl. 206—36.)

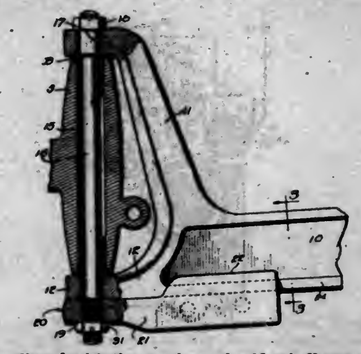


A wind-proof match box including an outer casing of the usual parallelopiped type having one of its ends entirely closed by an end wall and its top partially removed, an abrasive substance arranged on the outer surface of the remaining portion of the top, and an inner receptacle for matches having its top partially covered so as to furnish a cover corresponding in position to the uncovered portion of the outer casing, when the inner receptacle is placed in the usual way within the outer casing, the match box being adapted to provide a space inside the outer casing when the inner receptacle is partially withdrawn to receive the lighted end of an ignited match.

1,484,033. SPINDLE-BODY BOLT AND MOUNTING THEREFOR. DEWEY S. KROHN, Chicago, Ill. Filed Apr. 16, 1923. Serial No. 632,504. 3 Claims. (Cl. 280—96.1.)

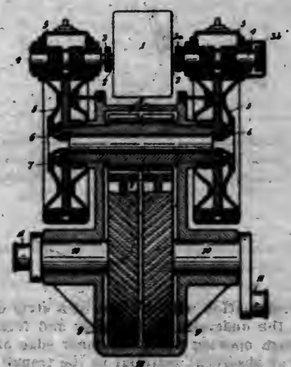
1. In combination with an axle provided at its end with vertically spaced spindle bolt receiving arms having vertically aligned openings formed therein, a spindle bolt

mounted in said openings and fitting the opening of the upper arm, and a plate secured to the axle and extending beneath the lower arm having a threaded opening formed



therein aligned with the openings of said spindle arms, the lower end of said bolt being threaded and being engaged in the opening of the plate.

1,484,034. TURBINE PLANT PROVIDED WITH TOOTHED GEARING. FREDRIK LJUNGSTRÖM, Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Jan. 16, 1922. Serial No. 529,666. 4 Claims. (Cl. 74—7.)



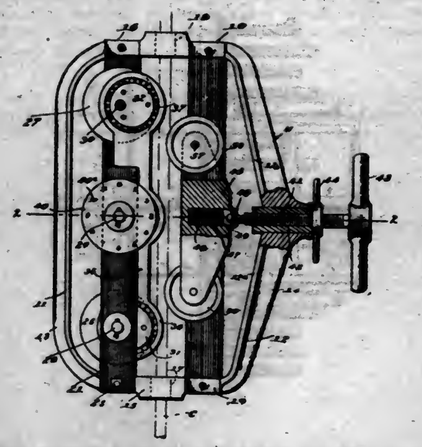
1. In combination, a turbine, gear casings arranged at opposite sides of said turbine and each containing movably adjustable gearings driven by the turbine, and an intermediate gearing arranged between said casings and driven by the movably adjustable gearings, said gear casings being movably and adjustably mounted.

1,484,035. AUTOMOBILE BUMPER. WILLIAM R. McGOWEN, Chicago, Ill., assignor to American Bumper Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 2, 1922. Serial No. 579,106. 7 Claims. (Cl. 293—55.)



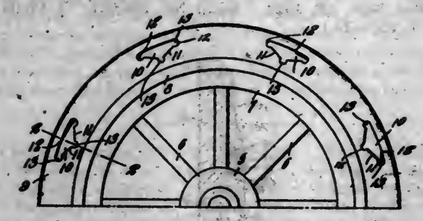
3. An automobile bumper comprising a resilient bar bent to form U-shaped end portions, an intermediate rear portion and forwardly disposed free end portions terminating adjacent the central portion of said rear portion, and a flexible impact member connecting said free end portions, said rear portion being initially bent to introduce a forward curvature therein.

1,484,036. WELL-MEASURING APPARATUS. RICHARD COLBERT MASON, Tulsa, Okla. Filed Apr. 14, 1922. Serial No. 552,719. 4 Claims. (Cl. 33—184.)



1. In a well measuring apparatus, a frame, a plurality of axles rotatably mounted in the frame, driving wheels mounted on the axles, disks fixed to said driving wheels eccentrically thereof, and an eccentric strap coacting with the disks.

1,484,037. CUSHION TIRE. ALEXANDER HOPE BATTERSBY, Charlotte, N. C. Filed June 15, 1923. Serial No. 645,635. 2 Claims. (Cl. 152—1.)



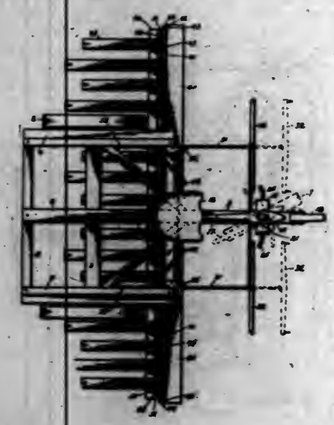
2. A solid tire construction having openings extending therethrough, the openings including relatively straight walls, reentrant curved walls connecting the relatively straight walls, and said reentrant curved walls adapted to receive wear directed to the openings when the tire is being flexed.

1,484,038. PRODUCT AND PROCESS FOR THE RECOVERY OF BACTERIAL ANTIBODIES. JOHN RAICHEL, Philadelphia, and FRANK M. HUNTOON, Swarthmore, Pa., assignors to H. K. Mulford Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 1, 1923. Serial No. 616,373. 11 Claims. (Cl. 167—7.)

4. As a new article of production, a substance consisting of bacterial antibodies isolated from antibacterial serums and practically free from serum proteins.

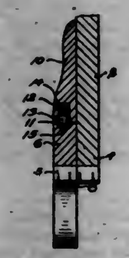
10. The herein described process of isolating or separating bacterial antibodies practically free from serum proteins from antibacterial serums, comprising the steps of mixing together an antibacterial serum and a specific bacteria, separating from the mixture of sensitized bacteria, and recovering from the sensitized bacteria the bacterial antibodies.

1,484,039. CULTIVATOR. MARTIN SAND, Tuabridge N. Dak. Filed July 16, 1921. Serial No. 485,281. 3 Claims. (Cl. 280—92.)



1. A cultivator comprising a frame, a steering device swiveled to the frame, a vertically swinging lever pivoted to the upper portion of the steering device, a draft appliance swiveled to the upper portion of the steering device, and cooperative means carried by the lever and draft appliance whereby the said lever may be interlocked with the draft appliance or free thereof to permit steering through the draft appliance or manually.

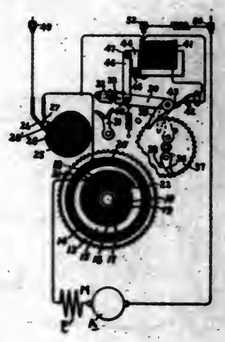
1,484,040. FOOTSTOOL. RAY SANSOM, Cusick, Wash., assignor of one-half to William B. Kirk, Usk, Wash. Filed Sept. 23, 1922. Serial No. 590,031. 1 Claim. (Cl. 155—73.)



The combination with a stool leg having an arched foot providing spaced bases and a complementary shoulde thereabove, of a rocker hinged at the spaced bases of said arched foot, a spring pressed stud projecting below the under face of said shoulder, and a complementary socket member in the rocking face of the rocker, whereby the latter may be retained in inverted position.

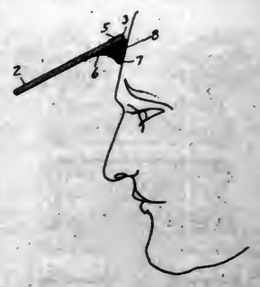
1,484,041. ELECTRIC CLOCK-SETTING MEANS. FRANK J. SMOLT, Schenectady, N. Y., assignor of one-fourth to Edward F. Pickford, Washington, D. C.; one-fourth to Mable H. Hall and one thirty-second to Charles D. Knight, both of Schenectady, N. Y. Filed Mar. 22, 1919, Serial No. 85,776. Renewed May 11, 1921. Serial No. 468,725. 15 Claims. (Cl. 58—34.)

1. The combination with a clock mechanism of means for setting the same comprising a setting member normally in a predetermined position and biased thereto, means for moving the same against the bias to a position in which it will not interfere with the clock hands when



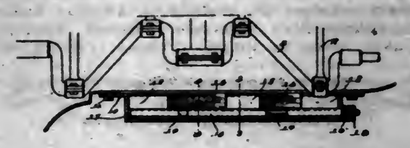
the latter reach a predetermined position, and means whereby the setting is accomplished by the member upon its release as it returns to its normal position.

1,484,042. EYE GUARD. ROBERT H. SMILIE, Oakland, Calif. Filed Aug. 24, 1922. Serial No. 583,998. 7 Claims. (Cl. 2—149.)



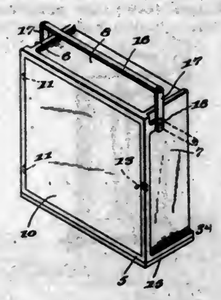
6. The combination with a visor, of a strip of material secured to the underside of the visor and forming therewith a trough opening along the inner edge of the visor and a pad of absorbent material in the trough projecting inwardly beyond the inner edge of the visor to hold the inner edge of the visor from the forehead.

1,484,043. CRANK CASE FOR INTERNAL-COMBUSTION ENGINES. JAMES M. TAPLEY, Charleswood, Manitoba, Canada. Filed Nov. 18, 1922. Serial No. 601,927. 5 Claims. (Cl. 184—13.)



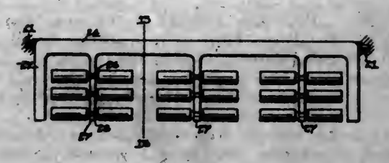
1. In combination with an engine, a crank-case having compartments extending transversely thereof and communicating through different passages, said passages being in longitudinal alignment, a rod extending through said passages and having washer means for closing the passages between said compartments.

1,484,044. COIN HOLDER. ALFRED G. TOBORG, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,667. 5 Claims. (Cl. 217—5.)



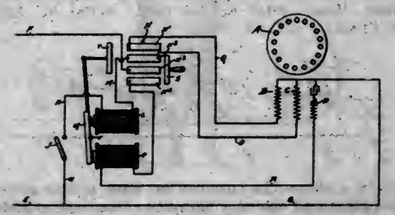
1. A coin-holder comprising a rectangular receptacle which is open in front and has on the inside top and bottom grooves running from the front to the rear, certain ones of said grooves being intermediate the sides of the receptacle and others being adjacent to said sides, and strips adapted to be mounted in the first-mentioned grooves to form partitions dividing the interior of the receptacle into compartments, said strips being removable for insertion into the second-mentioned grooves to form fillers reducing the effective width of the receptacle interior.

1,484,045. TOP ROLL FOR SPINNING FRAMES. WILLIAM EMORY WARDWELL, Worcester, Mass. Filed Oct. 17, 1921. Serial No. 508,208. 3 Claims. (Cl. 19—142.)



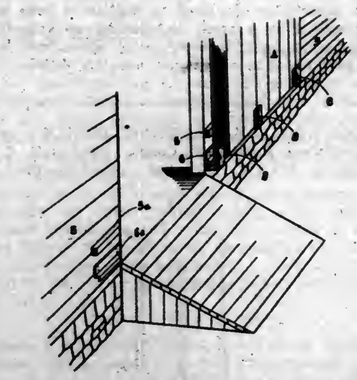
1. In a top roll mechanism, the combination with a cap bar provided with spaced arms, of a top roll unit comprising a pair of rolls rotatably mounted on an arbor which is non-rotatably supported between said rolls by an arm of said cap bar.

1,484,046. STARTING SWITCH. CHARLES H. WELLINGTON, Ventura, Calif., assignor to Casey Manufacturing Company, Oxnard, Calif., a Partnership composed of Charles H. Wellington, Ventura, Calif., and Charles L. Hirt, Oxnard, Calif. Filed Apr. 5, 1923. Serial No. 629,990. 11 Claims. (Cl. 172—279.)



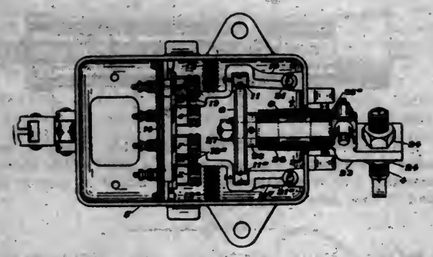
1. The combination with an induction motor having a plurality of running windings and a starting winding of a switch structure comprising a starting set of contacts connected thereto whereby when said set is closed less than all of said running windings will be connected in parallel and said starting winding will be connected in circuit, the remaining running winding being in open circuit, means to manually operate said set of starting contacts as a unit, a running set of contacts whereby to connect all of said running windings in parallel and to place said starting winding in open circuit, and a time delayed means for automatically closing said running contacts as a unit.

1,484,047. BARN-DOOR CONSTRUCTION. GEORGE WILKES, Calgary, Alberta, Canada. Filed Mar. 16, 1922. Serial No. 544,336. 1 Claim. (Cl. 20—19.)



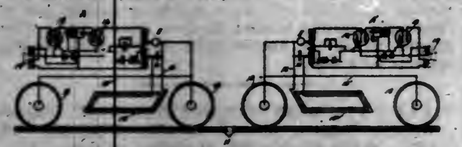
A slidably-mounted door, brackets secured to the door with upturned lower ends at the rear of and spaced from the door, a guide strip secured to the adjacent wall of a building upon one side of the door opening, a Z-shaped bar secured to said wall beneath said guide strip and cooperating with said brackets to guide the door in its movements, a guide block on said wall on the other side of said opening and having a tapered inner end, and a Z-shaped bar on said wall below the last-named guide strip and engaging one of said brackets when the door is closed.

1,484,048. CIRCUIT CONTROLLER. WILLIAM ZABEL, deceased, late of Swissvale, Pa., by Bertha Zabel, executrix, assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1920. Serial No. 356,112. 9 Claims. (Cl. 246—253.)



1. In combination, a railway switch, a circuit controller comprising a cam having fixed stroke, two contacts controlled by said cam and actuated at the two ends of the stroke of the cam, respectively, and a crank of adjustable length connecting said cam and said switch whereby the fixed stroke of the cam may be secured with switches of different throws.

1,484,049. ELECTRIC HIGH-FREQUENCY SIGNALING APPARATUS. VLADIMIR K. ZWORYKIN, Kansas City, Mo. Filed Aug. 28, 1922. Serial No. 584,716. 3 Claims. (Cl. 246—63.)



3. Electric train signaling means comprising, in combination with the track rails, a heterodyne oscillatory circuit electrically connected to said track rails adapted to be carried by a train and having an antenna loop emitting continuous high frequency waves and adapted to be maintained in continuous inductive relation to said rails.

1,484,050. NIPPLE-ATTACHING DEVICE. ARTHUR ZIMMERMAN, Waterbury, Conn. Filed Apr. 6, 1920. Serial No. 371,688. 5 Claims. (Cl. 215—100.)



1. A nipple attaching device comprising a wire base, fingers bent upwardly from the portions of the wire forming said base, and a clip for holding the portions of wire comprising said fingers together.

1,484,051. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 289,092. 13 Claims. (Cl. 173—366.)



1. In combination, a tubular insulator arranged normally to support a load and having a safety core therein normally free from said load but arranged to receive the load in case said insulator is broken.

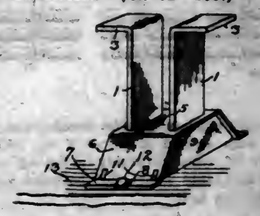
1,484,052. FARE REGISTER AND DETACHABLE FARE BOX. HUGO J BAUR, Chicago, Ill., assignor to Johnson Fare Box Company, a Corporation of New York. Filed Oct. 10, 1919. Serial No. 329,718. 27 Claims. (Cl. 232—16.)

1. The combination with a fare register of a detachable fare box and interlocking mechanism therebetween, a door for closing the outlet from the fare box, a door for closing the inlet to the fare register, means mounted upon the fare register for operating its door, means mounted upon the fare box for operating its door, slidable locking cylinders for co-action with each of said means to lock and unlock the same according to the adjustment of the cylinders and a cam member on both



the fare box and the fare register for co-action with the respective cylinders, to operate the same into locked and unlocked position whereby the doors actuated into closed position are locked when the fare box is detached and are unlocked for operation into open position when the fare box is attached to the fare register.

1,484,053. HANGER INSERT. WILLIAM BAYLEY, Springfield, Ohio. Filed July 3, 1916. Serial No. 107,460. 15 Claims. (Cl. 72—105.)



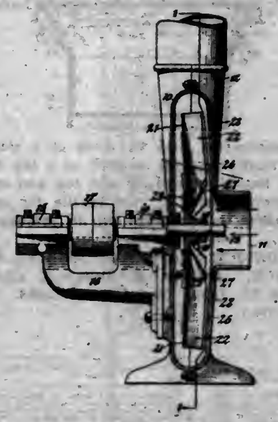
5. A pair of spaced hanger arms having inturned ends, to be embedded in a body of concrete or the like and a removable core form adapted to produce in the body of concrete or the like a recess into which the inturned ends of the hanger arms will project.

1,484,054. SKATE. HAROLD S. BEALS, Springfield, Mass., assignor of one-half to William H. Shepherd, Springfield, Mass. Filed Apr. 5, 1922. Serial No. 549,761. 5 Claims. (Cl. 46—50.)



1. In a skate, the combination with a heel plate and a toe plate and one of a plurality of runners of different types adapted to be interchangeably assembled with the heel and toe plates, of a girder connecting and integral with the heel and toe plates and having a longitudinal channel to receive the upper edge of the runner, and separate means for detachably securing the runner to the heel plate and to the toe plate.

1,484,055. FAN. EDWIN F. BEUGLER, Buffalo, N. Y., assignor to E & B Holmes Machinery Co., Buffalo, N. Y., a Corporation of New York. Filed Feb. 3, 1922. Serial No. 533,982. 2 Claims. (Cl. 230—11.)



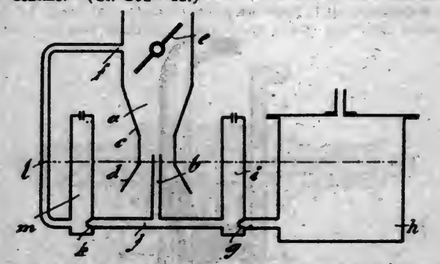
1. A fan comprising a casing having an axial inlet and a peripheral outlet, and a rotary impeller arranged in said casing and having a plurality of radial blades each of which comprises a supporting plate arranged parallel with the direction of rotation and a pressure plate projecting laterally from the rear edge of the supporting plate and arranged transversely to the direction of rotation, said supporting plate being of greatest width adjacent to its inner end and having its inner front edge portion inclining from said widest part to the inner end of this plate at a distance from its rear edge and having the outer part of its front edge portion inclining from said widest part to the outer end of its rear edge, the rear edge of said supporting plate and the inner part of its front edge converging inwardly.

1,484,056. HOT-WATER-TANK COVER OR JACKET. FRED W. BIRTCH, Laporte, Ind., assignor to Bastian-Morley Co., Laporte, Ind., a Corporation of Indiana. Filed Apr. 27, 1923. Serial No. 635,177. 14 Claims. (Cl. 154—44.)



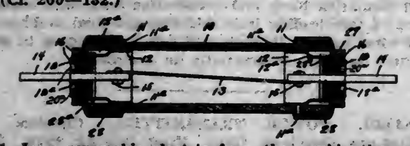
1. A cover or jacket of the character described, comprising flexible heat insulating material and means for securing the ends of said material together, said means including means arranged adjacent the edges of said material whereby said edges are separably secured together, and a member providing a cap for the end of said first mentioned material and means for securing said cap and material together.

1,484,057. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. CLEMENT BROWN, Birmingham, England. Filed Aug. 29, 1916. Serial No. 117,506. 2 Claims. (Cl. 261—41.)



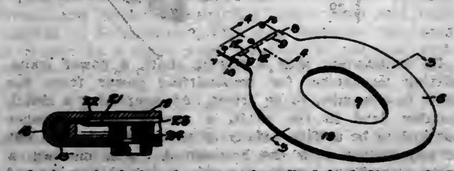
1. In a carburetor for an internal combustion engine, a jet disposed below the normal liquid level in the supply, an air inlet insufficient to neutralize the effect of the engine suction upon said jet communicating with the space above said jet, a second jet, a conduit establishing a series communication with the space above said first jet and the space below said second jet, a separate and independent air inlet communicating with the space above said second jet, and a conduit adapted to receive air and deliver to the main air passage of the carburetor in conjunction with said air the whole of the fuel received by the carburetor which is not delivered by said second jet.

1,484,058. RENEWABLE FUSE. LEONARD B. BUCHANAN, Woburn, Mass., assignor to The Chase-Shawmut Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 7, 1920. Serial No. 408,448. 16 Claims. (Cl. 200—132.)



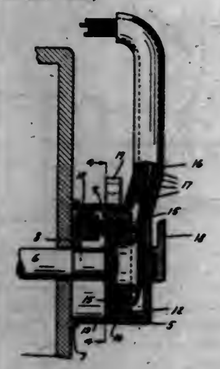
1. In a renewable electric fuse, the combination of a tubular enclosing casing, an exteriorly-threaded ferrule received on its end, said casing having integral guides in an end thereof, an end-cap removably received on said ferrule having an end-wall inwardly extended beyond the wall of the casing and an opening in its end-wall, a contact blade having a flanged portion with guide ways therein for the guides of the casing and engageable with the end-wall of the end-cap also having an externally threaded portion extended through the opening in the end-wall of the end-cap, and an internally threaded locking-nut received on the threaded portion of said contact blade to draw and hold the flanged portion thereof firmly against the end-wall of said end-cap and thereby lock said contact blade to said end-cap.

1,484,059. TOILET SEAT. WILLIAM D. BURK, Philadelphia, Pa., assignor of one-half to John Sass, Philadelphia, Pa. Filed June 1, 1920. Serial No. 385,420. 8 Claims. (Cl. 4—237.)



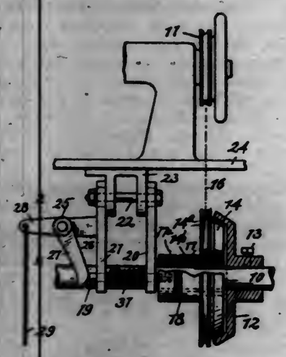
1. A seat of the character described including a body portion; a plurality of resilient members extending inwardly from the outer edge of said body portion; and cushioning members carried by said resilient members; substantially as described.

1,484,060. GAS-ENGINE TIMER. JOHN M. CALLAHAN, Chicago, Ill., assignor of one-third to Paul P. Donovan and one-third to James L. Donovan, both of Chicago, Ill. Filed Oct. 10, 1921. Serial No. 506,821. 4 Claims. (Cl. 200—24.)



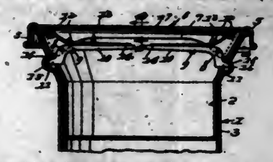
1. The combination with a timer shaft, of a timer arm secured to the end thereof; a spring pressed contact piece on said timer arm; a metallic casing fitting over the end of said timer shaft said casing being cylindrical in form but flattened in the outer portion thereof, there being a shoulder between the cylindrical and flattened portions of said casing; an insulating block fitting into said casing and provided with a retaining flange engaging against said shoulder, the end of said block being flattened to fit the flattened portion of said casing; electric contacts imbedded in and extending entirely through said insulating block and cooperating with said contact piece; a tube leading from said casing behind said block; and wires passing through said tube and secured to said electric contacts, substantially as described.

1,484,061. POWER TRANSMITTER. CHESTER C. CLELAND, Cleveland, Ohio. Filed July 11, 1918. Serial No. 244,255. 1 Claim. (Cl. 192—110.)



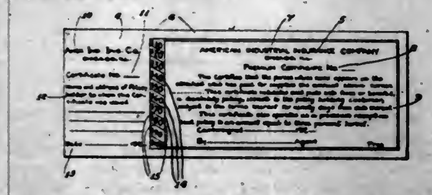
In combination with a driving shaft, a power transmitting mechanism for transmitting power from the shaft to a member to be driven and comprising a clutch member fixed to the shaft, a second clutch member adapted to be shifted axially of the shaft into and out of engagement with the first-named clutch member, a supporting sleeve surrounding the shaft and free thereof and supported independently of the shaft, said second clutch member being rotatably supported by said sleeve, and means for shifting said sleeve and the second clutch member to move the latter axially of the shaft.

1,484,062. HANDLE AND FASTENER FOR CAN TOPS. PALMER A. CONNER, Glendo, Wyo. Filed July 15, 1922. Serial No. 575,876. 9 Claims. (Cl. 220—55.)



1. The combination with the neck of a can provided with diametrically opposite sockets, of a top telescoping the neck, a handle carried by the top and spring tensioned members carried by the handle for engagement with the sockets to retain the top in position.

1,484,063. DEVICE FOR USE IN ISSUING PREMIUM INSURANCE. GEORGE E. DICKSON, Chicago, Ill. Filed June 21, 1920. Serial No. 390,613. 2 Claims. (Cl. 283—54.)



1. The device herein described embodying an insurance policy device which is substantially valueless until its value is fixed by a policy valuation supplement and having an inscription thereon which is but partly definitive of the risk to be assumed by the insurance company and the benefits to be extended to the insured in that it does not fix the amount of the indemnity payable, and a policy valuation supplement device having a statement inscribed thereon which supplements the inscription on the insurance policy device, the said statement completing the partial statement of the risk assumed by the insurance company and the benefits extended to the insured that is partly stated on the insurance policy device, one of said devices bearing an inscription indicating that the insurance policy is validated and put into force when the policy valuation supplement is issued by the consent of the insurance company to the policy holding customer.

1,484,064. TEE PLATE FOR GOLF COURSES. CHARLEY ERICKSON and ROBERT TAYLOR, Minneapolis, Minn. Filed Oct. 21, 1922. Serial No. 596,028. 4 Claims. (Cl. 46—4.)



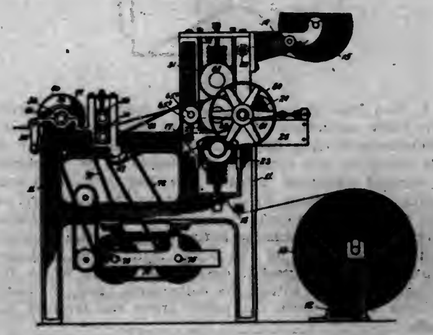
1. A tee plate having a depending anchoring means and a projecting lug, the latter indicating the teeing-off line, the said tee plate also having at front and rear portions sights for indicating the line to the hole beyond the teeing-off point.

1,484,065. AUTOMATIC DEPTH-DRILLING MACHINE. EDWIN J. GOULD, Oakland, Calif., assignor of one-half to Charles T. Henry, J. Brooks Millard, and Joseph T. Henry, all of York, Pa. Filed Mar. 23, 1921. Serial No. 454,806. 5 Claims. (Cl. 255—4.)



1. In an apparatus of the character described, means for rotating a boring member, a pneumatic clutch member slidably and nonrotatably attached to the said means operating the said drilling member, and means for feeding said boring member.

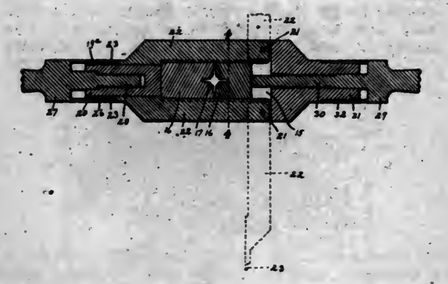
1,484,066. MACHINE FOR MAKING LAMP WRAPPERS AND THE LIKE. BERG HEINRICHS, Chicago, Ill., assignor to Mid-West Box Company, Anderson, Ind., a Corporation of Indiana. Filed Feb. 3, 1922. Serial No. 533,807. 6 Claims. (Cl. 93—1.)



1. In a machine for making wrappers, the combination of mechanism for corrugating a web and for applying a printed web to the corrugated web, a cutter for the web, mechanism for synchronously driving the applying and forming rolls and the cutter, and adjustable means for timing the cutter relatively to the printed web without disconnecting it from the driving mechanism.

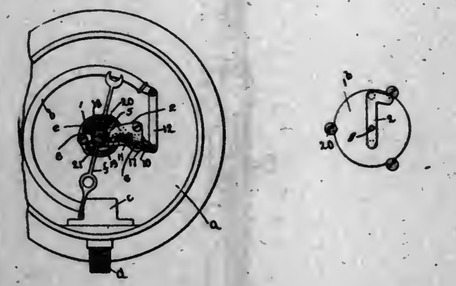
1,484,067. TAP WRENCH AND DIESTOCK. JAMES HIRST, Melrose, Mass. Filed Apr. 17, 1922. Serial No. 554,241. 3 Claims. (Cl. 10—116.)

2. A stock or holder of the character stated, comprising a body composed of side and end portions bounding an opening formed to receive a pair of jaws, the side portions being provided with slots communicating with said opening, and having extensions formed in one of the end portions, a pair of die-engaging tongues pivoted to the side portions at one end of the body, and having ears at their free ends, formed to occupy the slot extensions, one end portion of the body being provided with



a boss containing portions of said slot extensions, a handle having a screw-threaded shank engaged with a tapped orifice in said boss, and a keeper movable by rotation of the handle to engage and release the tongue ears, the tongues being adapted to be swung outward from the holder when said ears are released.

1,484,068. PRESSURE GAUGE. FRANK H. HOPKINS, Somerville, Mass., assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 3, 1921. Serial No. 504,836. 8 Claims. (Cl. 73—109.)

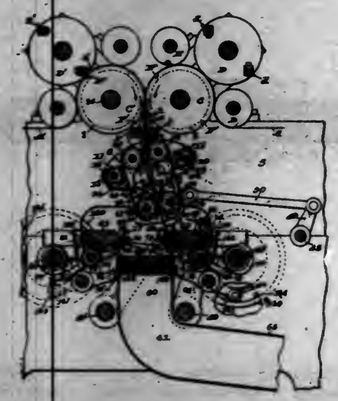


1. A pressure gauge comprising, in combination with a case and a Bourdon tube mounted operatively in said case, a self-contained indicating movement including a frame, an indicator staff rotatably mounted in said frame, and motion transmitting means from said staff adapted to be connected with said Bourdon tube, said movement as a whole being mounted in the case with provision for angular movement about the axis of said staff.

1,484,069. INTERFOLDING MACHINE. DAVID W. HUDSON, Green Bay, Wis. Filed Oct. 11, 1920, Serial No. 416,201. Renewed Jan. 2, 1924. 28 Claims. (Cl. 270—39.)

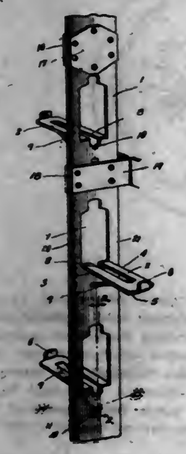
25. The combination with means for supplying a duplex series of overlapped sheets, of an oscillatory guiding device arranged to discharge the sheets from the oscillatory

end thereof, opposed sets of clamping jaws arranged to receive sheets discharged by the oscillatory guiding device, tucking blades adapted to cooperate with said guid-



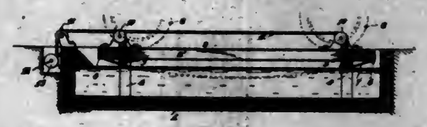
ing device in delivering material to the clamping jaws, and means for causing said tucking blades to move alternately in arcuate paths about axes located beyond said jaws in the line of sheet travel.

1,484,070. METAL STRUCTURAL MEMBER. WILLIAM E. MAST, Kansas City, Mo. Filed May 9, 1923. Serial No. 637,709. 5 Claims. (Cl. 228—46.)



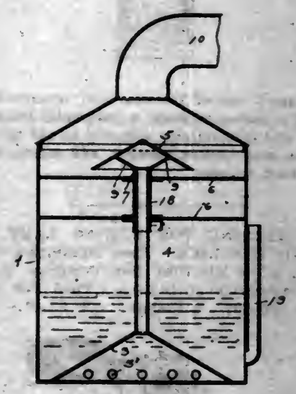
1. A metal structural member consisting of a sheet of metal having an outstanding step member struck therefrom, the outstanding step member having a diagonal brace struck from it, provided on its end with a means for fastening it to the sheet.

1,484,071. APPARATUS FOR USE IN WASHING AUTOMOBILES. SONIS J. MEMMEN, Manito, Ill. Filed Apr. 17, 1922. Serial No. 554,275. 6 Claims. (Cl. 141—1.)



2. The combination of a tank for containing water, a platform suspended therein, an endless belt mounted on the platform adapted to travel, and means operatively connected to the platform for raising and lowering the same and extending outside said tank.

1,484,072. FUME GENERATOR FOR BATHS. ARLINGTON H. MOORE, Dayton, Ohio. Filed Aug. 16, 1920. Serial No. 403,939. 21 Claims. (Cl. 167—3.)

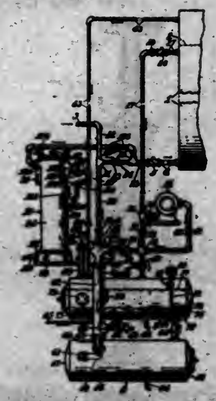


1. In a fume generator, a boiler, a compartment within the boiler submerged in the liquid contents having an intercommunicating passage with the main chamber of the boiler for the circulation of liquid to be vaporized, a vertical discharge conduit extending from said submerged compartment to a point above the fluid level of the boiler, a foraminous baffle located within the boiler intermediate the discharge outlet of the vertical conduit and the fluid level of the boiler thru which fluid discharged from the conduit descends and thru which the vapors generated within the boiler arise, and an outlet conduit leading from the boiler above the level of the baffle.

16. The herein described method of producing medicinal vapors and the like, consisting in circulating a body of steam in intimate relation with a body of impregnating material whereby such material will become entrained with the steam and subsequently extracting a part of the moisture from the impregnated steam to relatively increase the strength of the vapors.

21. In a vapor generator, the combination with a steam supply means, and means for charging the steam with impregnating media, of a jacketed chamber divided vertically into two compartments intercommunicating at the bottom of the chamber, and inlet passage for the impregnated steam to one compartment and an outlet passage for the steam from the other compartment, cooling media being circulated through the jacket of said chamber.

1,484,073. BOILER-FEED-WATER PURIFIER. BUDD L. MORRISON, Indianapolis, Ind. Filed June 17, 1920. Serial No. 389,560. 11 Claims. (Cl. 122—398.)



1. A feed-water purifier including a settling-tank having an inlet connection, an outlet conduit connected to the settling-tank, a precipitating-tube connected with the inlet connection and having a combiner chamber connected therewith, the combiner chamber having an inlet neck, a controller tube extending into the combined chamber and nearly to the interior of the precipitating-tube, a feed-pipe connected with the controller tube, and means for variably controlling a stream flowing from the controller tube.

1,484,074. HOOD CLAMP. EDMUND NOLAN, Detroit, Mich. Filed July 24, 1922. Serial No. 577,211. 5 Claims. (Cl. 292—114.)



5. A hood clamp comprising a hollow casing formed of complementary segments integrally connected at one end, a handle projecting laterally from each of the segments of said hollow casing, and a ring or ferrule sleeved upon said casing and retaining the segments thereof together, said ring having a catch projecting laterally therefrom.

1,484,075. BOAT. JOHN J. OTTO, Chicago, Ill. Filed May 28, 1919. Serial No. 300,387. 5 Claims. (Cl. 115—11.)



1. In a boat, the combination of a hull, longitudinally and transversely extending stringers secured to the outer face thereof to form a checker-work over the bottom of said hull, pipes equipped with nozzles arranged between said stringers, and a series of removalbe plates fitted over said nozzles to protect the same and detachably secured to said stringers, said plates being provided with openings through which said nozzles discharge.

1,484,076. INVERTED HORIZONTAL INGOT MOLD AND PROCESS OF CASTING. JOHN E. PERRY, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Oct. 26, 1920. Serial No. 419,706. 22 Claims. (Cl. 22—143.)



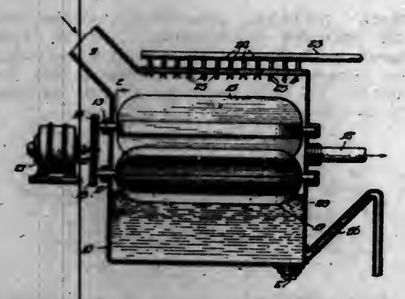
1. As an article of manufacture an inverted mold for casting horizontal steel ingots, said mold comprising a body portion having a matrix therein of substantially the configuration of the ingot to be cast, with the edges of said mold extending along the long side thereof and being substantially co-planer to permit said mold to be set on a suitable stool, said mold being provided with a runner opening leading to the matrix and with the opening extending through the top wall of the body of the mold.

1,484,077. LEAD PENCIL. EARL F. PIERCE, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 17, 1920. Serial No. 410,813. 4 Claims. (Cl. 120—18.)



1. A pencil comprising a barrel having its walls swaged inwardly intermediate the ends thereof to form an annular groove, the bottom of said groove being provided with a slot extending longitudinally of said barrel, means at one end of said barrel for receiving and guiding a lead, a feed bar slidably mounted in said barrel, one edge of said feed bar being screw-threaded and extending between the edges of said slot, an internally threaded sleeve rotatably mounted in said groove and having screw-threaded engagement with the threaded edge of said feed bar, said sleeve being formed with a plurality of sections having interlocking engagement with each other and held against longitudinal displacement relative to each other by the end walls of said groove, and means at one end of said feed bar for expelling a lead from said lead receiving and guiding means.

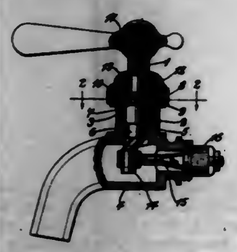
1,484,078. GAS-CLEANING APPARATUS. GEORGE P. PILLING, Philadelphia, Pa., assignor to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 3, 1920. Serial No. 408,110. 2 Claims. (Cl. 261—92.)



1. A washer for blast furnace gas, comprising a chamber, a pair of horizontal and superposed rotary gas beaters mounted in the chamber, means above the beaters for spraying water downwardly thereon, a gas inlet conduit leading into the chamber above the beaters and near one end of the upper beater, a gas outlet conduit leading from the chamber opposite the gas inlet and at a level between the axes of the beaters, and an overflow device for maintaining a water level below the gas outlet and above the bottom of the lower beater.

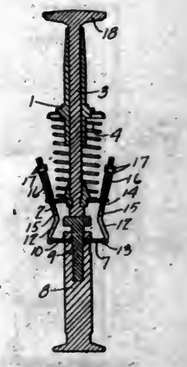
2. A washer for blast furnace gas, comprising a chamber having a pair of horizontal and superposed rotary gas beaters mounted in the chamber, each gas beater having a plurality of radial blades extending longitudinally of the beater, the beaters being disposed so that the blades of each beater pass between the blades of the other beater during rotation of the beaters, a gas inlet conduit leading into the chamber above the beaters and near one end of the upper beater, a gas outlet leading from the chamber opposite the gas inlet and at a level between the axes of the beaters, means above the beaters for spraying water downwardly thereon, and an overflow device for maintaining a water level below the gas outlet and above the bottom of the lower beater.

1,484,079. FAUCET. JOHN F. REARDON, St. Louis, Mo. Filed Jan. 12, 1922. Serial No. 528,718. 4 Claims. (Cl. 251—40.)



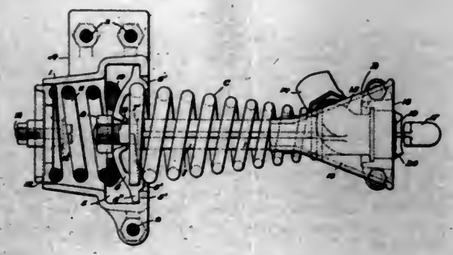
4. In a faucet, a gland chamber opening into the faucet, a shoulder at the bottom of the gland chamber around the opening into the faucet, a metallic valve stem extending through the gland chamber into the faucet, a relatively long cylindrical body portion integral with the valve stem fitting within the gland chamber and seating on said shoulder, and being of sufficient length to hold the valve stem from lateral vibration, packing compressed in the gland chamber above said body portion, and means interlocked and turning with the valve stem compressing the packing in position.

1,484,080. SILENCER FOR VALVE MECHANISM. FRED JOHN REVOR, Lyon Mountain, N. Y. Filed May 11, 1923. Serial No. 638,237. 1 Claim. (Cl. 123—90.)



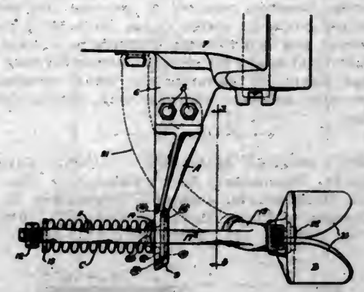
A device of the kind described comprising in combination with the valve mechanism of an internal combustion engine, a spring retainer disc at the lower end of the valve stem, same having a plurality of adjustment-pin-holes, around its edge with relatively narrow slots opening outwardly; an anchor disc at the upper end of the valve lifter, same having hook holes aligned with the adjustment-pin-holes of the spring retainer disc; adjustment pins having hooks to engage the hook holes of the anchor disc and threaded stems to pass through the adjustment-pin-holes of the spring retainer disc, and having also flat neck portions intermediate of its ends adapted to pass through the slots of the spring retainer disc; coil springs on the upper threaded ends of the adjustment pins above the spring retainer disc; and adjustment nuts on the outer ends of the threaded stems of the adjustment pins.

1,484,081. TRAIN-PIPE COUPLING. JOSEPH V. ROBINSON, Santa Monica, Calif. Filed Oct. 31, 1919, Serial No. 334,830. Renewed May 15, 1923. 11 Claims. (Cl. 285—58.)



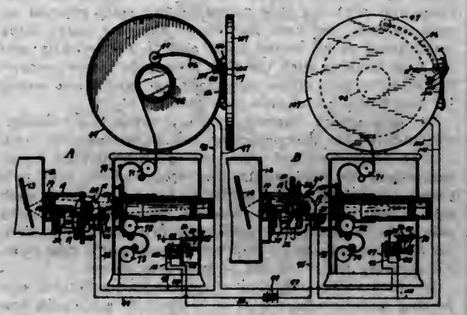
1. In an automatic train pipe coupling, a coupling member comprising a base having a hollow chamber therein, a movable disk in the forward part of said chamber, a stationary inwardly extending seat for said disk at the forward end of said chamber, a spring in said chamber so mounted and connected thereto as to tend to force said disk to its seat, a coupling stem so connected to said disk as to permit slight relative movement and carrying a coupling head at its outer end, and a coiled spring around said stem between said disk and head normally holding said stem and coupling head extended in a fixed position, the connection being such as to permit the necessary lateral movement of said head and the outer end of the stem in coupling under the yielding action of said coil spring surrounding the stem while said disk remains in close contact with its seat.

1,484,082. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH V. ROBINSON, New Haven, Conn. Filed Dec. 6, 1919, Serial No. 343,101. Renewed May 15, 1923. 5 Claims. (Cl. 285—58.)



1. In an automatic train pipe connecter, a coupling head, a hollow base, a flange mounted in said base and rigidly connected to said head, a yoke rigidly connected to the base and extending rearwardly thereof and comprising spaced arms, a thrust member positioned at the rear of said flange and relative to which said flange has universal movement, a spring arranged in said yoke for holding said thrust member against said flange, said flange and thrust member being slidably and non-rotatably associated with said yoke, and means on said base for limiting the forward movement of said flange.

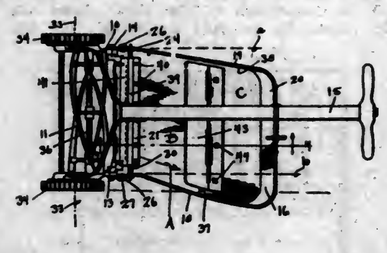
1,484,083. MOTION-PICTURE APPARATUS. ALVAH C. ROEBUCK, Chicago, Ill. Filed Feb. 23, 1921. Serial No. 447,010. 25 Claims. (Cl. 88—17.)



1. Motion picture apparatus comprising a shutter pivotally mounted; a reciprocatory member connected with the shutter for rotating the latter; a spring connected with the reciprocatory member adapted to move the latter; means for shifting the spring and causing the latter to act on the reciprocatory member alternately in opposite directions; and a lock for holding the shutter against the influence of said spring.

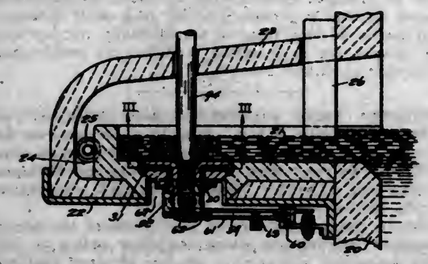
1,484,084. GRASS CATCHER FOR LAWN MOWERS. FRANKLIN L. ROHRBACH, Spokane, Wash. Filed Sept. 3, 1921. Serial No. 498,274. 2 Claims. (Cl. 56—199.)

1. A grass catcher for a lawn mower wherein the stream of cut grass flows at a lateral angle to the medial line of the mower, comprising a catcher body having a forward edge adapted for attachment to the mower in substantially parallel relation with the transverse axis of the latter, said body extending laterally of the medial line of the mower from the front to the rear end of said



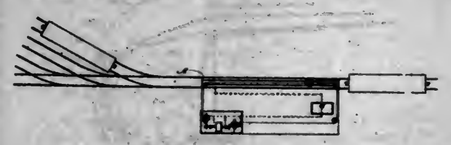
body sufficiently to dispose the medial line of said body substantially coincident with the medial line of flow of the cut grass from the mower.

1,484,085. PRODUCING FORMED CHARGES OF MOLTEN GLASS. JOHN F. RULE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 13, 1920. Serial No. 430,129. 23 Claims. (Cl. 49—55.)



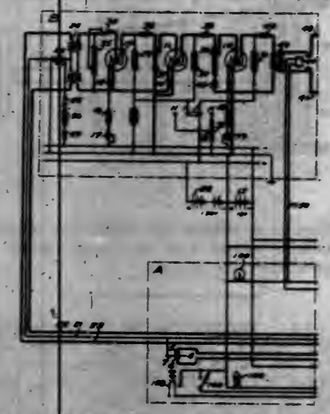
13. The combination of a receptacle to contain molten glass, means for causing a regulated flow of glass from the receptacle comprising a pair of segments mounted to rock about horizontal axes and having abutting faces in rolling contact, said faces provided with vertically disposed recesses which together form a channel through which the glass issues, automatic means for periodically rocking said segments up and down, and means to periodically sever the glass beneath said segments, said recesses being upwardly and outwardly flared whereby the diameter of the channel is increased by the downward movement of the segments and decreased by their upward movement.

1,484,086. SWITCHING APPARATUS FOR RAILWAY-SWITCH YARDS. FRANK H. RUTHERFORD, Chicago, Ill. Filed June 24, 1922. Serial No. 570,638. 11 Claims. (Cl. 104—176.)



1. In a freight car drifting apparatus, a section of railway track, a truck reciprocal longitudinally between the rails thereof, a lever on said truck oscillatory from a horizontal to a vertical position, and in the latter position adapted to move a railway car by engaging an axle of the truck thereof, a brake for said truck, and traction cables corelated with said lever and brake whereby one is thrown into operation and the other out.

1,484,087. RADIO BROADCASTING EQUIPMENT. FRANCIS M. RYAN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,613. 14 Claims. (Cl. 250—6.)



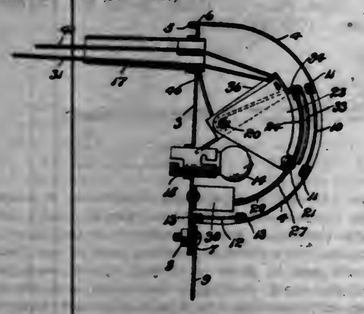
9. In a broadcasting station, a studio, a radio room, means whereby a person in either room may broadcast, and means in each room to automatically indicate that the circuits are in operating condition for broadcasting from that particular room.

1,484,088. LEAD COMPOUND AND PROCESS OF FORMING THE SAME. JOHN W. SCHUMACHER, Detroit, Mich., assignor to Acme White Lead and Color Works, Detroit, Mich., a Corporation of Michigan. Filed Oct. 18, 1920. Serial No. 417,666. 23 Claims. (Cl. 134—67.)

20. In the manufacture of lead products the herein-described improvement which comprises adding to litharge suspended in water, an amount of nitric acid representing much less than the amount of nitric acid capable of producing solution of the entire amount of litharge, and adding sulphuric acid in such amount that the quantity of nitric acid plus the quantity of sulphuric acid is sufficient to convert the entire amount of litharge into a basic lead salt, agitating and heating until the reaction is substantially complete.

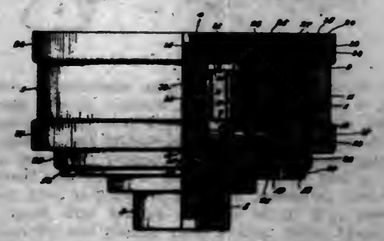
22. A process of producing precipitated lead compounds which comprises the step of reacting upon a slow-settling exfoliated, highly reactive basic lead sulfate, with a soluble chromic acid compound, whereby the lead precipitate is produced in a highly amorphous and finely divided state.

1,484,089. VEHICLE SIGNAL. SOLOMON B. SHAW, Los Angeles, Calif. Filed Oct. 3, 1921. Serial No. 505,032. 6 Claims. (Cl. 116—42.)



1. A signal, comprising an enclosing casing having an opening in its rear side, a signal member mounted to turn on a horizontal axis within the casing, said signal member having an opening filled with a red glass near its upper edge and two arrow-shaped extensions, one at each end of the first opening therein, and at its lower portion having stop signal characters cut therethrough, a covering member pivotally mounted to pass one over each arrow-shaped extension, spring means for holding the signal member and said covering members in a lower position, individual means for elevating either covering member, and means for elevating the signal member and both covering members simultaneously, substantially as described.

1,484,090. ROTARY MAGNETIC CHUCK. FRANK L. SIMMONS, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Apr. 11, 1918. Serial No. 227,898. 37 Claims. (Cl. 175—367.)



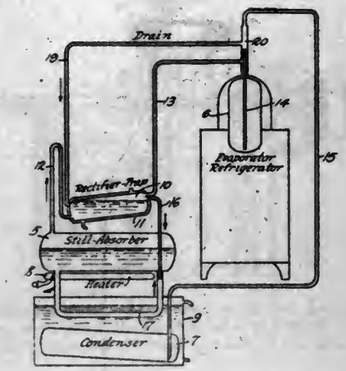
1. In a rotary magnetic chuck the combination of a hollow housing having a cylindrical side wall and a back portion integral with the side wall, a core piece member provided with a plurality of pole pieces thereon, said member being mounted within and spaced apart from the walls of said housing, a face plate comprising face plate pole pieces separated one from another by non-magnetic material, said face plate being provided with parallel surfaces and with its pole pieces having sides exposed on each surface, the back surface of the face plate being constructed to be seated upon and to hermetically seal the said housing with the face plate pole pieces contacting with the ends of the core piece pole pieces, and means for energizing all of said pole pieces.

14. In a rotary magnetic chuck a supporting chamber, electro-magnetic energising devices, in combination with a face plate provided with pole pieces adapted to be magnetized by said electro-magnetic devices, said pole pieces comprising body portions, extensions from each side of said body portions whereby the work face of said pole piece is substantially tree-like in form, a hub member securing one end of said pole pieces, and a ring member securing the other end of said pole pieces.

36. In a rotary magnetic chuck a non-magnetised supporting member adapted to be secured to a suitable machine tool, in combination with electro-magnetic means symmetrically arranged around the axis of rotation of said chuck, said electro-magnetic means providing a plurality of individual magnetic circuits arranged adjacent one to another, a common base core forming a part of each magnetic circuit, and adjacent magnetic circuits each having a common pole path with a portion of each magnetic circuit extending over the face plate of the chuck.

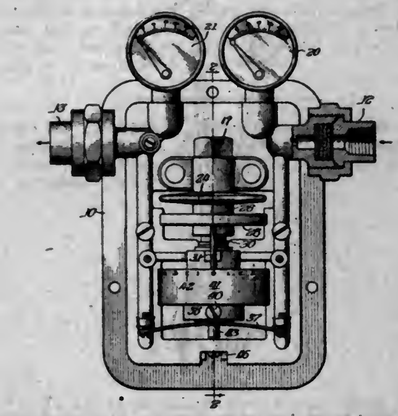
1,484,091. REFRIGERATION APPARATUS. BENJAMIN C. SMITH, Bayonne, N. J., assignor to Eugene A. Biotte, Douglaston, N. Y. Filed Nov. 22, 1919. Serial No. 339,912. 14 Claims. (Cl. 62—118.)

1. In a refrigeration system, the combination of a vessel for containing a refrigerant liquid, an evaporator-refrigerator, a condenser, a conduit connecting the condenser with the bottom of the evaporator-refrigerator, a gas outlet conduit leading from the gas chamber in the upper part of the vessel to the upper part of the refrigerator evaporator, and piping including part of the gas outlet conduit connecting a portion of said first named conduit above the level of the evaporator-refrigerator to the bottom of said vessel, whereby water collecting in the



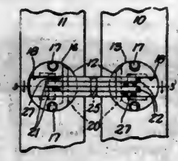
bottom of said evaporator-refrigerator may be forced from the same and allowed to drain back into said vessel during the gas generating period.

1,484,092. GRADUATED-MOVEMENT REGULATOR. MORTON O. SNEDIKER, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1922. Serial No. 527,617. 4 Claims. (Cl. 236—86.)



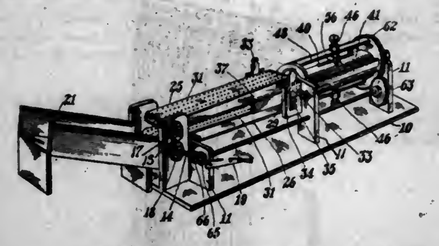
1. In a regulating device, the combination of a casing providing a conduit for air under pressure, an air control valve dividing said conduit into inlet and outlet passages, a bellows one wall of which is anchored to the casing, a plunger within said bellows and bearing at one end upon the movable wall of said bellows, the other end of said plunger being adapted to contact said valve, a second bellows adapted to be connected to a thermostatic element and so located that its movable wall may contact the movable wall of said first bellows, and means for bodily moving the relatively fixed wall of said thermostatic bellows whereby to regulate the operation of the device.

1,484,093. HINGE. JOSEPH SOSS, New York, N. Y. Filed Nov. 21, 1921. Serial No. 516,593. 10 Claims. (Cl. 16—164.)



1. An invisible hinge of the class described the butts of which are cylindrical in form to facilitate their mounting in a stationary support and swinging member.

1,484,094. POTATO-PEELING MACHINE. JOSEPH SZAFRANSKI, Danielson, Conn. Filed July 6, 1923. Serial No. 649,862. 7 Claims. (Cl. 146—49.)



1. A peeling machine comprising a pair of traveling belts, a pair of fixed alined tubular members adapted to receive the article to be peeled from the said belts, and a cutting implement arranged between the adjacent ends of the said tubular members.

1,484,095. CURTAIN FOR AUTOMOBILES. HORACE T. THOMAS, Lansing, Mich. Filed Nov. 4, 1921. Serial No. 512,718. 1 Claim. (Cl. 296—139.)



In an apparatus of the kind described, the combination of a door, a plate m^4 along the upper edge thereof having an aperture therethrough, a curtain-supporting rod passing through said aperture so as to permit of its taking various angular positions therein, a socket in said door, the lower end of said rod engaging in said socket, said socket being provided with a slot, and a bolt passing through the frame of said door and said slot, and adapted thereby to clamp said socket in various positions, substantially as shown and described.

1,484,096. DRUMSTICK. BLAINE VAN HORN, Philadelphia, Pa. Filed Apr. 1, 1922. Serial No. 548,598. 5 Claims. (Cl. 84—422.)



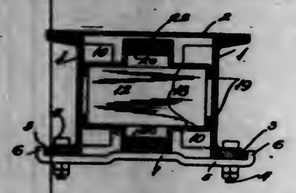
1. A tapered drum stick having a separable tip resiliently mounted thereon; a resilient neck between the tip and stick; and means extending through said tip and neck for anchoring them to the stick.

1,484,097. METHOD OF COUNTING HOSIERY. MYER L. VICTORIUS, New York, N. Y. Filed June 28, 1922. Serial No. 571,563. 4 Claims. (Cl. 235—1.)



1. The method of counting stockings comprising the steps of hanging stockings in a prearranged order and when such order has been completed bundling the stockings, and thereby insuring bundles having the prearranged number of stockings without counting.

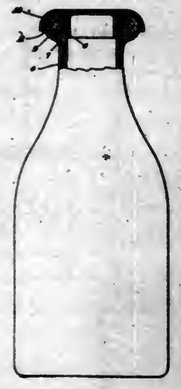
1,484,098. DRAFT-GEAR FRICTION-PLATE HOLDER. JAMES M. WATSON, Chicago, Ill. Filed Mar. 19, 1923. Serial No. 626,011. 2 Claims. (Cl. 213—30.)



1. The combination with a pair of spaced railway car draft sills, of spaced stops secured thereon, a drawbar, a yoke thereon, a carry iron secured to said sills having a raised middle portion on which said yoke is supported, a flanged holder in said yoke, and shock absorbing elements in said holder separated from the draft sills by the flanges of said holder.

1,484,099. BOTTLE CAP. GEORGE P. WEIGEL, Cleveland, Ohio. Filed Feb. 23, 1923. Serial No. 620,756. 1 Claim. (Cl. 215—38.)

A combined bottle cap and stopper, made of glass, and adapted for interchangeable use on milk bottles or the like, said cap having a smooth unbroken upper surface and having on its under side a downwardly extending central stopper section provided with a shoulder to rest on a shoulder in the bottle neck, the rim of the cap projecting outwardly and being curved downwardly to fit against the outer side of the top of the bottle neck, said



rim terminating at substantially the line of greatest diameter of said top and spaced laterally therefrom, whereby said cap is capable of removal without distortion and is interchangeable from one bottle to another.

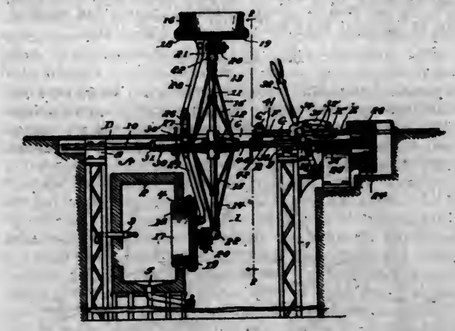
1,484,100. CINDER TONGS. JAMES C. WERTZ, Kansas City, Mo. Filed Nov. 1, 1920. Serial No. 420,949. 1 Claim. (Cl. 254—119.)



In cinder tongs, two arms pivoted to each other, each arm having spaced apart inwardly curved claws, two handles respectively pivoted to said arms and pivoted to each other, one of the handles on its inner side having a transverse groove, and a U-shaped spring having one of its arms tightly fitted in said groove and having its other arm bearing against the inner side of the other handle.

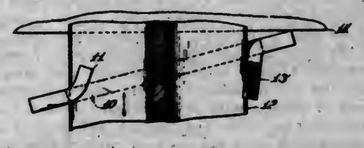
1,484,101. GLASS-DRAWING DEVICE. WILLIAM WESTBURY, Caney, Kans. Filed Dec. 29, 1922. Serial No. 609,630. 15 Claims. (Cl. 49—53.)

6. The combination of a heating kiln having an opening in a vertical wall thereof, a carrier rotatable on a horizontal axis, means for rotating said carrier, pots tiltably mounted on the carrier, eccentric mechanism operative on the rotation of the carrier for reversely tilting



the pots between vertical and horizontal positions, and means for sliding the carrier back and forth to move a vertically disposed pot into and out of the kiln opening.

1,484,102. RAIL ANCHOR. CHARLES F. YARDLEY, Larchmont, N. Y. Filed Mar. 1, 1923. Serial No. 622,041. 56 Claims. (Cl. 238—330.)



1. A one piece rail anchor consisting only of a substantially straight bar having one rail gripping jaw at each end, so formed that when applied to a rail with one end abutting a tie, the body of the device will extend at an angle away from the tie.

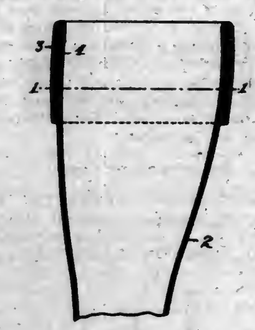
1,484,103. HOSIERY. DANIEL YOUNG, Brooklyn, N. Y., assignor to Young Inventions, Inc., a Corporation of New York. Filed Aug. 19, 1922. Serial No. 582,925. 4 Claims. (Cl. 66—4.)



1. An article of manufacture, a hose having a body portion and an upper cuff portion, said cuff portion at a plurality of adjacent points thruout its length being of greater thickness and strength than said body portion thereby offering increased resistance to expansion of the cuff portion, the inside diameter of said cuff portion being less than the inside diameter of the adjacent part of said body portion.

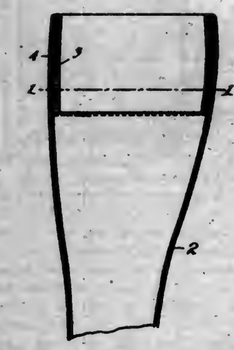
1,484,104. HOSIERY. DANIEL YOUNG, Brooklyn, N. Y. assignor to Young Inventions, Inc., a Corporation of New York. Filed Aug. 23, 1922. Serial No. 583,891. 3 Claims. (Cl. 66—4.)

1. An article of manufacture comprising a hose having a body portion and a cuff portion of a plurality of fabric plies, one of said plies at a plurality of adjacent points throuout its length being of greater thickness and strength thereby offering increased resistance to expansion than the other portion of said cuff portion, the in-



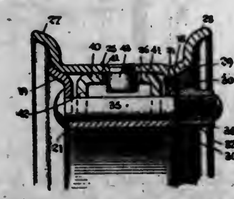
side diameter of one of said plies being of greater diameter than the inside diameter of the other portion of said cuff portion.

1,484,105. HOSIERY. DANIEL YOUNG, Brooklyn, N. Y., assignor to Young Inventions, Inc., a Corporation of New York. Filed Aug. 23, 1922. Serial No. 583,892. 2 Claims. (Cl. 66—4.)



1. An article of manufacture comprising a hose having a body portion and a cuff portion of a plurality of overlying fabric plies, the inner ply of said cuff portion at a plurality of adjacent points thruout its length being of greater thickness and strength than the other portion of said cuff portion, thereby offering increased resistance to expansion in said inner ply, the inside diameter of said inner portion being less than the other portion of said cuff portion.

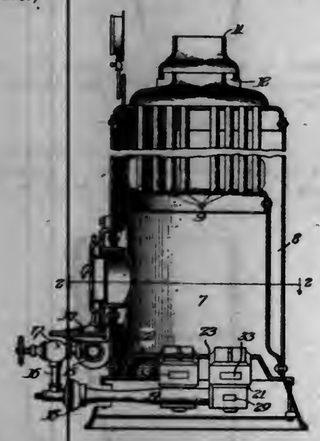
1,484,106. WHEEL. JOHN RUTHERFORD YOUNG, Akron, Ohio. Filed Feb. 14, 1922. Serial No. 535,593. 2 Claims. (Cl. 301—20.)



2. In a wheel of the character described, a fixed rim of channel form including side flanges, the outer side flange having a plurality of circumferentially spaced and arcuate notches, the side flanges having a set of bolt

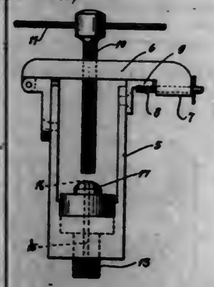
holes adjacent each of said notches, a demountable rim seated on said fixed rim, clamps cooperable with the notches of the fixed rim and engageable with the demountable rim, bolts extending through said bolt holes, nuts threaded on said bolts and engaging said clamps, and driving connections between the fixed rim and the demountable rim including a driving saddle having bifurcated legs embracing one of said bolts, and an apertured body portion engaging said demountable rim and a lug fixed to the demountable rim and received in the aperture of said driving saddle.

1,484,107. GAS-BURNING APPARATUS. JOHN ZANDA, Chicago, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a Corporation of Illinois. Filed Oct. 17, 1921. Serial No. 508,271. 2 Claims. (Cl. 158—105.)



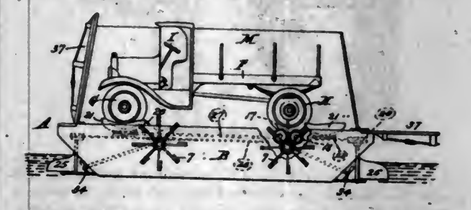
1. In a gas burning apparatus, the combination of a combustion chamber provided with a floor, a burner casing projecting through said floor, the upper portion of said casing being of less cross sectional area than the floor opening, a plurality of lugs projecting from said burner over the margin of the floor opening, whereby said burner is suspended from the floor, and a plurality of fins projecting laterally from said burner for maintaining said burner in position in said opening.

1,484,108. CAP LOCK. ANTONI ZÖLTOWSKI, Newark, N. J. Filed June 18, 1921. Serial No. 478,770. 1 Claim. (Cl. 285—108.)



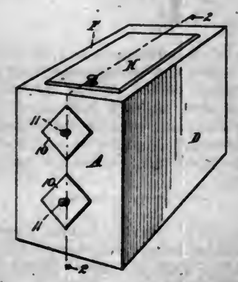
A tank connector comprising a pair of opposed uprights extending from a base, a stud containing an axial passage passing through the base, its screw threaded portion engaging the tank to hold the base rigidly thereon, a cap hinged to one of said uprights, a lug extending outwardly from the other upright, said lug having a recess in its under side, a slide carried by said cap engageable with the recess in said lug, a convex head on said stud communicating with the tank, and a screw in said cap adapted to force a tubular connecting element into engagement with the opening in said head.

1,484,109. WATER TRANSPORT OR FERRY FOR AUTOMOBILES AND OTHER SELF-PROPELLED VEHICLES. WILLIAM F. BEATTY, Cincinnati, Ohio. Filed July 7, 1921. Serial No. 483,068. 2 Claims. (Cl. 115—0.5.)



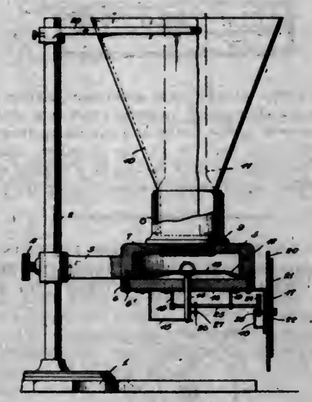
1. In an auto-driven water-craft for transporting and ferrying automobiles and other self-driven vehicles, the combination of a barge, float, or ferry having a deck or platform adapted to directly receive the said self-driven vehicle from either end thereof and that is to be transported, or moved on running or on still water on the way to its destination, embarking and debarking means on said platform at opposite ends thereof, propeller-wheels on said water-craft, pairs of rollers mounted beneath the level of said platform for each of said propeller-wheels at both ends of the craft and adapted to support the driving-wheels of the said self-driven vehicle out of contact with said platform when the vehicle has entered from either end thereof, independent sets of gears connecting said sub-surfaced rollers wtih the said propeller-wheels at opposite ends of the craft, engine-means on said self-driven vehicle adapted to drive said propeller-wheels in either direction, swivel or turntable shoe-supports mounted on said platform adjacent each pair of driving-wheel sub-surfaced supports and adapted to accommodate the fore-wheels of said vehicle in either direction, steering-means on the said vehicle adapted to actuate the said swivel shoe-supports in steering the said craft, rudders at both ends of said craft, and cable-and-pulley devices or means interposed between the said swivel shoe-supports and the said rudders for guiding the craft, in either direction, through the medium of the said steering-means on said vehicle, substantially as shown and described.

1,484,110. CABINET FOR BRICK OR CAKE ICE CREAM. WILLIAM F. BEATTY, Cincinnati, Ohio. Filed Oct. 10, 1921. Serial No. 506,682. 1 Claim. (Cl. 62—68.)



A brick ice-cream cabinet comprising a main rectangular or box-like hollow structure having insulated top, bottom and vertical walls and adapted to contain within its entire interior a supply of refrigerating-medium, a lid-closed orifice in the top of the structure for access thereto in the filling therein of the said refrigerating-medium and in cleaning its said interior, a multiple of square-section horizontal tubes having corrugated bottoms and supported within said hollow structure to provide tunnels or tubular-compartments that extend across the interior of the structure and with each tube open at one of its ends to the outside of the cabinet but sealed or closed otherwise against leakage from the surrounding refrigerating-midium within the structure, and an elongated tray or drawer removably-inserted in each of said tunnels or tubular-compartments and having a square-shaped head that is adapted to close the mouth of the tunnel or tubular-compartment when said drawer is in using-position within the cabinet and with the bottom or body-portion proper of the drawer in a V-shaped cross-section and adapted to contain the brick ice-cream commodity for ready apportioned-service from the cabinet, and the said square-section tunnels or tubular-compartments being arranged within the structure so that their four flat-faced walls shall lie at oblique planes to the sides of the cabinet and so that the angles or corners thereof may present ready-drip faces and edges for the said refrigerating-medium, especially when it is composed of broken or chopped ice, within the cabinet, substantially as herein shown and described.

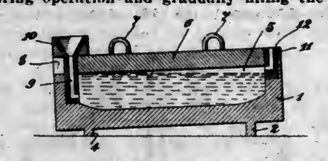
1,484,111. PRESSURE-DEMONSTRATING APPARATUS. HUGH EVERETT BROWN, Chicago, Ill., assignor to W. M. Welch Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1920. Serial No. 356,315. 3 Claims. (Cl. 73—110.)



1. In a pressure indicating device, a hollow supporting base having an opening in its upper wall adapted to receive a liquid-containing vessel, the lower end of the base being open, a flexible diaphragm secured to said base, a cover plate secured to said base below said diaphragm indicating means actuated by movement of said diaphragm, and means for supporting said actuating means on said cover plate.

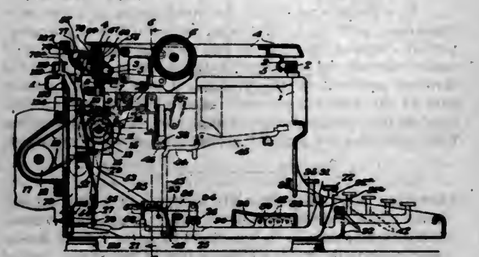
1,484,112. MOLD AND METHOD OF CASTING STEEL INGOTS. RAY G. COATES, Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Oct. 18, 1920. Serial No. 417,543. 7 Claims. (Cl. 22—200.)

1. The method of casting steel ingots in horisontal cover chill molds which comprises arranging the upper surface of the matrix of the mold at a slight incline to the horizontal maintaining said incline constant during the pouring operation and gradually filling the mold at



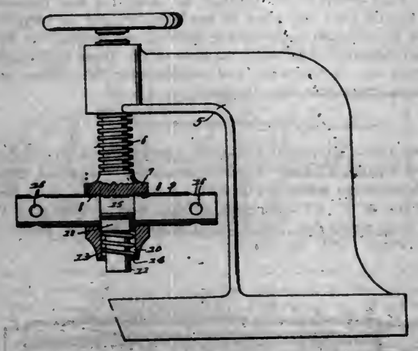
the low end thereof in such manner as to expel mold gases from the highest portion of the mold cavity at the end opposite to the introduction of the molten steel.

1,484,113. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 30, 1922. Serial No. 591,582. 30 Claims. (Cl. 197—177.)



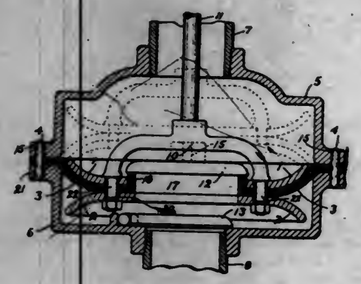
1. In a writing machine, the combination of a machine frame, a paper carriage mounted thereon to travel transversely of the frame, power means for giving the carriage a running movement in either direction of its travel, a denominational selector mounted to travel with the carriage having decimal-order abutments, and a series of stops on the frame spaced transversely of the frame and the opposite side faces of which are adapted to be engaged by opposite sides of the decimal-order abutments to effect stoppage of the carriage.

1,484,114. PUNCH. WILLIAM T. DEE, Mecca, Ind. Filed Feb. 27, 1923. Serial No. 621,627. 3 Claims. (Cl. 164—96.)



1. In a punch, a frame, a punch head having a recess in its ends and a transversely disposed aperture intersecting the recess, means for moving the head, a shaft rotatably mounted in the transversely disposed aperture, a cam on the shaft at the intersection of the recess, and a punching tool in the said recess bearing against the cam for receiving motion from the cam when the shaft is rotated.

1,484,115. DIAPHRAGM PUMP. ALBERT F. ELLIS, Rochester, N. Y. Filed Oct. 25, 1922. Serial No. 596,780. 7 Claims. (Cl. 103—151.)



1. In a diaphragm pump, the combination of a two part diaphragm housing, a diaphragm having its outer marginal portion clamped between the two parts of the housing, and means carried by one part of the housing and extended through openings in the diaphragm and in the opposed part of the housing, one part of the housing having pins rigid in the marginal edge thereof and means cooperating with said pins for augular adjustment of the diaphragm.

1,484,116. METHOD OF AND APPARATUS FOR GLAZING AND DECORATING. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1920, Serial No. 382,001. Renewed July 17, 1923. 7 Claims. (Cl. 25—142.)

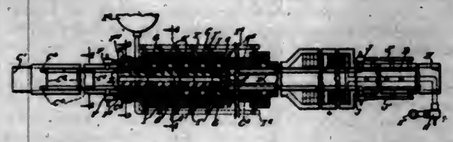
1. In the method of firing and glazing ceramic ware of such character that gases and vapors are distilled therefrom during an initial stage of the glaze firing operation which detrimentally affect the glazing operation, if allowed to contact with the ware in a subsequent stage of the glazing operation, the improvement which consists in passing the ware continuously through an elongated kiln chamber so heated that the ware is gradually raised in temperature to the final temperature desired, restricting the flow longitudinally of the kiln chamber of the gases and vapors driven out of the ware and withdrawing said gases and vapors from the kiln chamber.

1,484,117. METHOD OF AND APPARATUS FOR BLUING PORCELAIN. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1920, Serial No. 382,004. Renewed July 17, 1923. 4 Claims. (Cl. 25—142.)



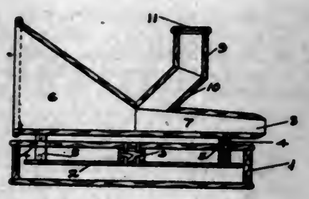
1. In a muffle heated continuous kiln the combination with a kiln chamber and the muffle heating means therefor, of means for injecting fluid into a localized portion of the kiln chamber to make the atmosphere in that portion of the chamber either oxidizing or reducing as desired.

1,484,118. CONTINUOUS TUNNEL KILN. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Original application filed Feb. 21, 1920, Serial No. 360,505. Divided and this application filed Aug. 31, 1920, Serial No. 407,116. Renewed Nov. 14, 1923. 4 Claims. (Cl. 25—142.)



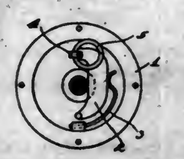
1. In a continuous tunnel kiln, the combination with a kiln chamber having side walls formed with burner chambers therein, of provisions for supplying air and fuel to said burner chambers, and nozzle members formed of carborundum and connecting said burner chambers to the interior of the kiln chamber.

1,484,119. SOUND RESONATOR. WILLIAM O. EBBS, Everett, Wash. Filed Feb. 7, 1923. Serial No. 617,528. 4 Claims. (Cl. 181—27.)



4. In a device of the class described having a sound chamber, a sounding board mounted therein, a plurality of supports secured to the board and extending through and spaced away from the top of the chamber, adapted to provide, in co-operation with the board, a flexible mounting for an amplifier, and an amplifier mounted on the supports.

1,484,120. LOCKING DEVICE FOR POCKETS. CARL B. ERICKSON and CARL J. WITT, Chicago, Ill. Filed July 3, 1922. Serial No. 572,413. 1 Claim. (Cl. 2—151.)



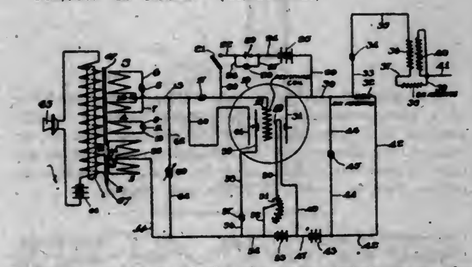
In combination, a garment having a rear pocket, a hollow member secured to the inner side of said pocket, said member comprising a cup-shaped base, a cover for the cup portion thereof, and a spring-impelled latch pivoted in the chamber formed between said base and cover and formed with a lug at its free end extending through a slot in said cover, said latch normally intersecting a portion of the coincident central apertures in said base and cover, a cord attached to the free end of said lug and disposed in a sheath formed in said garment and extending to the front thereof, and a second element attached to the other side of said pocket and comprising a base and a grooved shank, the latter adapted to be inserted into the central apertures in said first member to be engaged and locked therein by said latch, said cord affording means for retracting said latch to unlock said members.

1,484,121. WATCH CARRIER. ABRAM EZEKIEL, SAMUEL LUBIN, JOE WARSHNER, and WALTER S. NEIL, San Francisco, Calif. Filed Apr. 5, 1922. Serial No. 549,937. 4 Claims. (Cl. 224—4.)



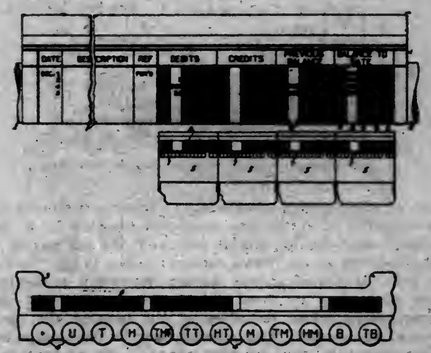
4. A watch carrier including an angle plate having a horizontal member and a vertical member, a plurality of prongs adapted to keep the angle plate from turning and located near the end of the vertical member, said vertical member having an aperture near its lower end, an insignia having a screw attached to its inner face, said insignia being adapted to rest on the outer part of the band of a hat, said screw being adapted to be inserted through the aperture, a nut engaging said screw whereby the hat band is held between the insignia and the vertical member, a split circular watch holding frame secured to the vertical member immediately below the horizontal member and a pad interposed between the horizontal member and the watch.

1,484,122. TELEPHONE SYSTEM. HILBERT L. FALK, New Orleans, La. Filed Sept. 23, 1921. Serial No. 502,760. 25 Claims. (Cl. 179—1.)



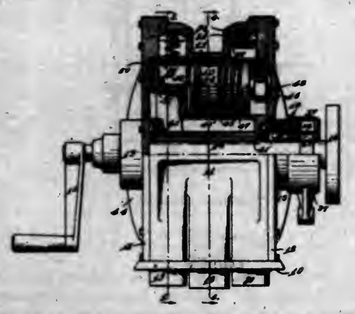
21. In a system of the character stated, means for transmitting and receiving intelligence through a single ungrounded metallic conductor, and means for excluding all appreciable electric oscillations and current from said conductor.

1,484,123. CALCULATING AND RECORDING MACHINE AND RECORD SHEET. STEPHEN H. FARNHAM, Brooklyn, N. Y., and ARTHUR F. POOLE, Kenilworth, Ill., assignors to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1921. Serial No. 522,602. 7 Claims. (Cl. 235—59.)



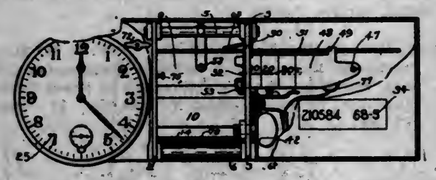
1. Equipment for handling numbers, comprising a calculating machine and a record sheet, said record sheet having a group of vertical bands in different colors, each band being of a width to receive a period of three figures; and the reading line of said calculating machine having the decimal orders marked in periods with colors corresponding with those of said record sheet.

1,484,124. ROTARY INTERNAL-COMBUSTION ENGINE. HENRY B. FOSTER and JOSEPH G. FURSTENBERG, Omaha, Nebr. Filed Feb. 8, 1922. Serial No. 534,941. 4 Claims. (Cl. 123—15.)



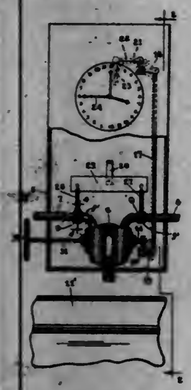
4. In an engine of the class described, the combination of a stationary cylindrical outer casing having two intake ports on one side and two exhaust ports on the other side, and two abutment chambers between the intake and the exhaust ports, a spring actuated abutment therein, a rotary cylindrical member within the stationary casing having on each side a series of explosion chambers formed in its periphery, a series of cylindrical compression chambers formed in the interior of the rotary engine member and extending transversely thereof, those on one side being in communication with the explosion chambers on the same side and those on the other side being in communication with the explosion chambers, a cam on each end of the stationary engine member to operate the pistons on one side and corresponding cams on the other ends to operate the pistons on the other side, the interior of the rotary engine member being formed hollow and there being in the stationary engine casing an air inlet port on one side and air discharge port in the opposite side for providing for a forced draft of cool air around all of the compression chambers and adjacent to the explosion chambers, for the purposes stated.

1,484,125. AUTOMATIC MOTION RECORDER FOR AUTOMOBILES. GEORGE B. FRAZER, Wellington, Wash. Filed June 28, 1922. Serial No. 571,440. 3 Claims. (Cl. 234—31.)



2. A device of the type described embodying a frame having springs in one end and a governor in the other; suitable means for connecting the governor to a vehicle in which the device is mounted so that it will rotate with the vehicle; paper with graduations and spaces mounted in the frame with a strip of carbon paper under it and connected to the spring in such a manner that it will travel at a regular speed; suitable means for transferring the motion of the governor to the paper; a pointer supported on a shaft which is connected to the steering wheel in such a manner that the pointer will mark the direction the vehicle is turned on the paper; and a small roller suitably mounted in the frame so that as the lights are turned on it will bear against the paper.

1,484,126. VALVE ACTUATOR. RENÉ H. GASPARD, Chicago, Ill. Filed Jan. 15, 1921. Serial No. 437,391. 2 Claims. (Cl. 137—144.)



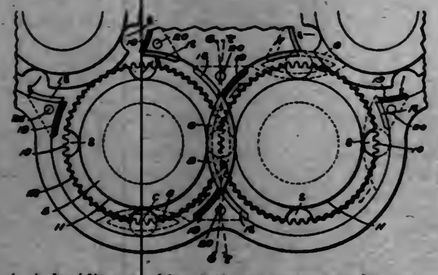
2. In combination with a water mixing chamber; a valve for closing said chamber; oppositely disposed pipes communicating with said chamber; spigots transversely disposed and rotatably mounted in said pipes having apertures therein communicating with said pipes; angular extensions on said spigots; an operative connection having means slidably engaging said extensions; and an indicator secured to said connection adapted to slide in a horizontal slot for indicating the relative position of said apertures.

1,484,127. VEHICLE SPRING MOUNT. LOUIS J. GENNETT, Marquette, Mich., assignor of one-half to John M. Longyear, jr., Marquette, Mich. Filed July 12, 1920. Serial No. 395,441. 13 Claims. (Cl. 267—28.)



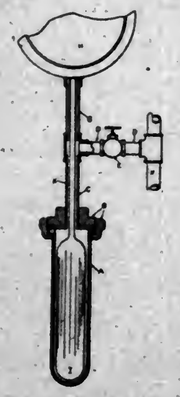
1. In combination with a vehicle body and an axle, a leaf spring secured intermediate its ends to one of said parts and having a smoothly rounded end affording a convex bearing surface adapted to react transversely of the length of the spring, and a pocket secured to the other part, affording a cooperating bearing surface and being adapted to hold a lubricating packing therein, the opening of said pocket extending transversely of the bearing surface therein.

1,484,128. BRAIDING MACHINE. JOSHUA B. HALE, Providence, R. I., assignor to Textile Engineering Company, Providence, R. I., a Corporation of Rhode Island. Filed Apr. 25, 1923. Serial No. 634,473. 17 Claims. (Cl. 96—8.)



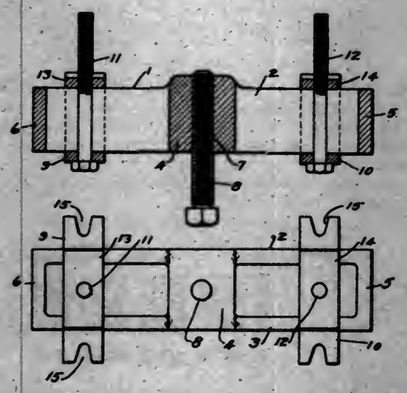
4. A braiding machine body structure having a raceway of uniform character, said raceway presenting a sinuous path with angles arranged in pairs spaced apart substantially the length of the carriers and fixed guiding or directing means at said angles.

1,484,129. HYGROMETER. ALBERT HERMANN, Madison, Wis., and CARL A. MENZEL, Chicago, Ill., dedicated, by mesne assignments, to the People of the United States of America. Filed Mar. 17, 1923. Serial No. 625,870. 2 Claims. (Cl. 73—24.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



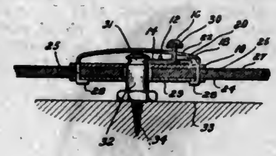
2. A wet-bulb extension tube thermometer consisting of a receptacle having porous rigid walls, a conduit adapted to supply liquid to said receptacle, and an extension tube thermometer whose temperature-sensitive element is mounted in said porous receptacle and whose extension tube is contained within said conduit.

1,484,130. WHEEL PULLER. CARL R. HOLMSTROM, Seattle, Wash. Filed Nov. 23, 1922. Serial No. 602,749. 2 Claims. (Cl. 29—85.)



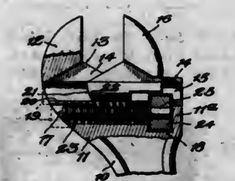
1. A wheel puller comprising a frame constructed of two parallel bars that are connected together by a lug in the center and by bars at each end, the lug having a threaded hole in the center thereof; a bolt in the threaded hole; U shapel clamps having outwardly projecting ends with slots in them slidably mounted around the bars; plates across the sides of the bars at the open ends of the clamps, bolts passing through the clamps between the bars and threaded through the plates; and suitable means for attaching the device to a wheel, or gear.

1,484,131. SNAP FASTENER. WILLIAM H. HOLT, Providence, R. I. Filed Dec. 27, 1921. Serial No. 525,095. 4 Claims. (Cl. 24—211.)



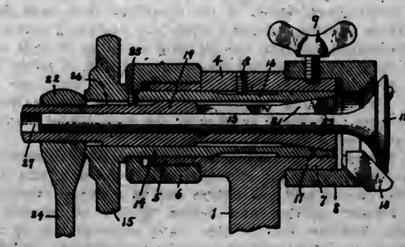
1. A snap fastener comprising a circular casing, a gripping jaw in said casing bodily slidable radially to and from operating position, an operating handle extending through a guide slot in the top wall of said casing, integral guide lugs raised from the stock of said casing arranged to cooperate with said handle in its guide slot for guiding the movement of said jaw and limiting the extent of its inward stroke, and a spring acting to return the jaw after it has been withdrawn from engaging position.

1,484,132. WRENCH. CLAYTON M. JONES, Jamestown, N. Y. Original application filed May 20, 1922, Serial No. 562,352. Divided and this application filed Mar. 30, 1923. Serial No. 628,812. 2 Claims. (Cl. 81—165.)



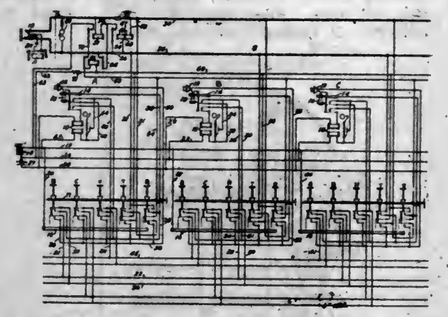
1. In a wrench, a handle having a head formed with a fixed jaw and upper and lower communicating barrels and also having a transverse opening intersecting the lower barrel and spaced from the rear end of the head to provide an integral wall, a movable jaw having a rack fitted in the upper barrel and having its teeth extending into the lower barrel, a perforated knurled nut in the opening, and a screw in the lower barrel having a shank rigidly secured in said perforation of the nut and spaced from said wall of the head, said wall extending completely over the outer end of the screw shank so as to conceal same.

1,484,133. VALVE-TRUING MACHINE. ALBERT PROCTOR KAHL, Detroit, Mich. Filed Nov. 14, 1921. Serial No. 514,939. 5 Claims. (Cl. 82—1.)



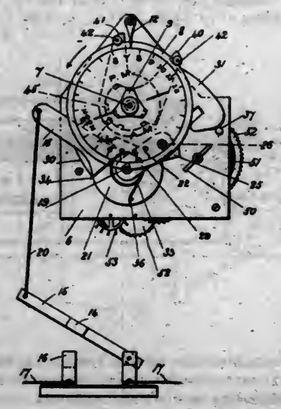
1. In a machine for truing valves, the combination of a body having a cylindrical bore, a cylindrical sleeve rotatable therein, a collet slidable in the sleeve and adapted to receive a valve stem, a cutting tool mounted at one end of the body to engage the valve, means to rotate the collet and valve, and a collar threaded on the body to move the collet and valve endwise to press the valve against the cutting tool.

1,484,134. TELEPHONE SYSTEM. CHARLES W. KECKLER, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 27, 1918. Serial No. 224,925. 20 Claims. (Cl. 179—40.)



1. In a telephone system in combination, a plurality of subscribers' stations, a telephone set at each of said stations, a source of talking current, an electromagnetic signal individual to each of said sets operated by direct current and having two windings, each interposed between a different pole of the source of talking current and a telephone set to serve as impedance means for talking current on establishment of a talking circuit between telephone sets of said system, and means to establish a talking circuit between telephone sets of said system including the two windings of the signal individual to one of the telephone sets connected by said talking circuit in said circuit as an impedance means for talking current supplied to said connected sets.

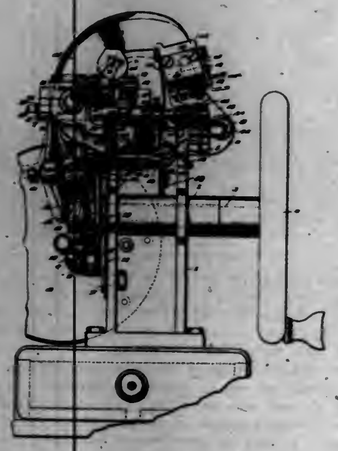
1,484,135. ELECTRIC TIME SWITCH. LAWRENCE P. KLEUSER, Greenville, Tex. Filed Nov. 28, 1921. Serial No. 518,163. 7 Claims. (Cl. 200—39.)



1. An electric time switch, a clock-driven operating shaft, a dial plate revolved by the said shaft, a pivoted spring-actuated lever for closing the switch, a detent engaging with the said lever and normally holding the

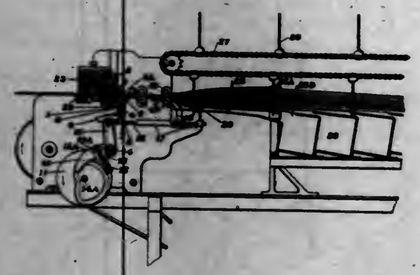
switch open, a tappet which revolves with the dial plate and retracts the detent at a predetermined time, an opening lever which normally holds the closing lever stationary so that the detent can be retracted and replaced without the switch being closed, and means for moving the opening lever automatically out of engagement with the closing lever while the said detent is in its normal position.

1,484,136. TAG-MARKING MACHINE. FREDERICK KOHNLE, Dayton, Ohio, assignor to The Monarch Marking System Company, Dayton, Ohio, a Corporation of Ohio. Filed Sept. 27, 1922. Serial No. 590,796. 21 Claims. (Cl. 101—288.)



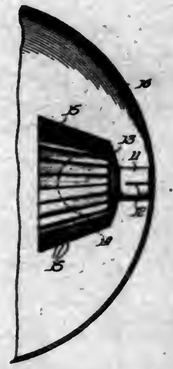
1. In a device of the class described, relatively right angularly disposed co-planar strip confining guides, a platen at the intersection of said guides aligned therewith, and means for feeding strip material from said guides to said platen.

1,484,137. SORTING MACHINE. EUGENE M. LA BOITEAUX, Washington, D. C. Filed Feb. 3, 1923. Serial No. 616,784. 17 Claims. (Cl. 83—92.)



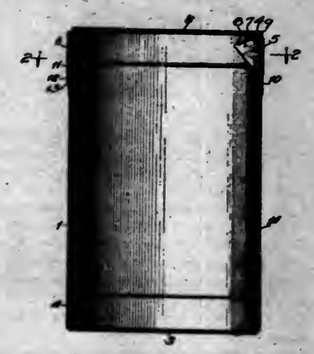
1. An apparatus for sorting records having a plurality of compartments provided with guideways leading thereto, record-feeding mechanism including a record engaging finger to actuate a trigger, compartment-selective mechanism controlled by the cooperative action of said finger and trigger of the feeding mechanism for directing a record to a predetermined compartment, and conveying means for the selected and directed records.

1,484,138. LIGHT DIFFUSER. ALBERT E. LEAVER, Chicago, Ill. Filed Oct. 17, 1921. Serial No. 508,188. 2 Claims. (Cl. 240—48.6.)



1. A dimmer for headlights composed of a section of metal providing means for attachment to a bulb socket, and vanes, said vanes being in the form of planes arranged in overlapping relation, both the inner and outer surfaces of said vanes being polished for the reflection of light.

1,484,139. SALT BOX OR THE LIKE. BEVIS LONGSTRETH, Kansas City, Mo. Filed Aug. 21, 1922. Serial No. 583,250. 6 Claims. (Cl. 229—7.)



4. A box for packaging salt and the like, comprising a holding chamber having a discharge opening and a pouring device therefor, said chamber having, also, a second discharge opening independent of said first opening and positioned substantially on the opposite side of the longitudinal center of the container from said first discharge opening, whereby when the contained material is discharged through one of said openings it will not tend to gravitate toward the other opening, a sifter device in the second discharge opening, at least one of said devices being adapted to discharge the material upon mere tilting and shaking of the box without manual operation of a closure therefor.

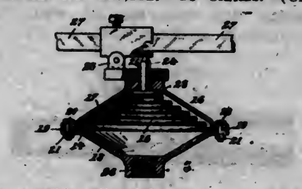
5. A box for packaging salt and the like, comprising a container made of a tubular body portion and end covers, one of said end covers having a flange overlying the tubular portion and sealed thereto to provide a double thickness for the side walls adjacent one of the ends of the container, said container having an opening through said double thickness of material, and a sifter screen comprising a dish-shaped portion inserted through said opening at the double thickness of material and having a flange overlying the wall of the container around said opening.

1,484,140. EXPANSIBLE COLLAPSIBLE ELEMENT. HARRY C. MALLORY, Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Original application filed Apr. 22, 1914, Serial No. 833,593. Renewed Dec. 5, 1919, Serial No. 342,802. Divided and this application filed Aug. 31, 1920. Serial No. 407,209. 14 Claims. (Cl. 297—8.)



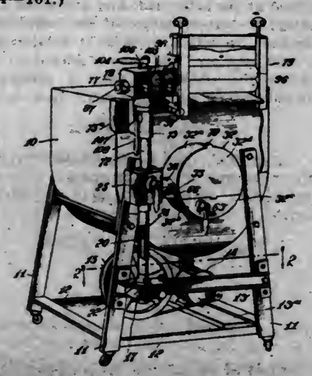
1. A device of the character described comprising an annular support, and an expansible-collapsible element provided with an open end disposed within said support, and said open end secured by pressure into engagement with said support, substantially as specified.

1,484,141. EXPANSIBLE COLLAPSIBLE ELEMENT. HARRY C. MALLORY, Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Original application filed Apr. 22, 1914, Serial No. 833,593. Renewed Dec. 5, 1919. Divided and this application filed Aug. 31, 1920. Serial No. 407,212. 16 Claims. (Cl. 297—8.)



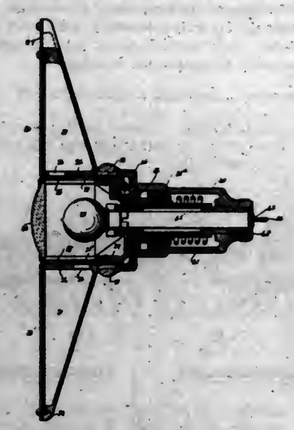
1. An expansible-collapsible element comprising a portion having circumferential corrugations therein whose inner and outer bends are united by alternately narrow and wide annular connecting members, substantially as specified.

1,484,142. DRIVING MECHANISM FOR LAUNDRY MACHINES. LAWRENCE W. MAMMEN, Chicago, Ill., assignor, by mesne assignments, to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Mar. 17, 1923. Serial No. 625,799. 25 Claims. (Cl. 74—101.)



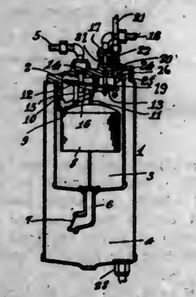
7. The combination with a support and a housing mounted for rotary movement thereupon, of transmission gearing within said housing, a clutch associated with said transmission gearing, means for locking the housing to the support and manually operable means for simultaneously actuating said clutch and said locking means.

1,484,143. SIGNALING DEVICE. ERNEST LEONARD MARLEY, Brighton, England. Filed Jan. 6, 1921. Serial No. 435,392. 3 Claims. (Cl. 116—51.)



1. In an indicator for the purpose specified, a supporting sleeve having a chamber in its outer end and openings at predetermined spaced points in its sides; a light in said chamber; a second sleeve rotatably mounted on the first sleeve, and surrounding the said chamber, said second sleeve having openings adapted to register with the openings in the first sleeve at predetermined rotatably displaced positions of the second sleeve upon the first sleeve; an arm connected to said rotatable sleeve and projecting on diametrically opposite sides thereof, said arm having a chamber at each side of the sleeve each chamber having a transparent closure in its front side, said chambers being illuminated only when the openings in the rotatable sleeve register with the proper openings in the first sleeve; and means for holding the rotatable sleeve and arm normally in such position that the chambers are not illuminated; and means for rotatably displacing the arm and movable sleeve on the fixed sleeve to certain predetermined positions wherein the openings in the sleeves register so that the chambers in the arm are illuminated.

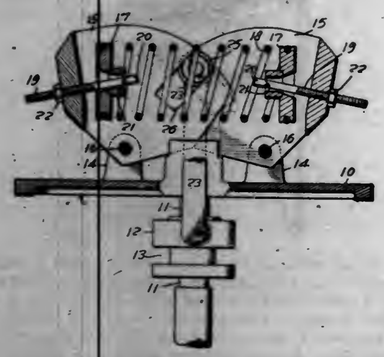
1,484,144. FUEL-CONSUMPTION INDICATOR AND CYLINDER PRIMER. GEORGE W. MARSH, Oakland, Calif. Filed June 1, 1920. Serial No. 385,698. 2 Claims. (Cl. 116—110.)



2. In a vacuum fuel feed system comprising a tank, an air intake, a suction intake, and a fuel intake, a whistle in said air intake, adapted to blow when the tank is substantially full, a passage between the air intake and the suction intake, a valve controlling said passage, a valve controlling said suction intake, a filling chamber in said tank, said chamber having an air intake port therein, a valve controlling said port, a float in said chamber,

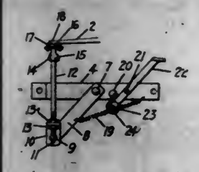
a system of spring controlled levers joining said float and said air intake valve and said suction intake valve whereby said valves are alternately opened and closed by the float, and operative means joining said air intake valve and said first mentioned valve whereby said first mentioned valve is opened upon the raising of said air intake valve, thus momentarily actuating the whistle.

1,484,145. GOVERNOR. FRANK L. MASSEY, Watertown, N. Y. Filed Feb. 4, 1921. Serial No. 442,412. 2 Claims. (Cl. 264—15.)



1. In a governor, the combination with a driven shaft of a turntable mounted upon the shaft and provided with spaced openings upon opposite sides of the shaft, weights pivoted upon the turntable adapted to expand under centrifugal force and provided with angularly disposed slots, a sleeve mounted to slide upon the shaft, arms rigid with said sleeve carried and extending upwardly through the openings in the turntable, offsets carried by the arms engaging in the slots of the weights, said arms and offsets forming direct connection between the weights and sleeve and holding said sleeve against rotation relative to the shaft and a spring tending to resist expansion of the weights.

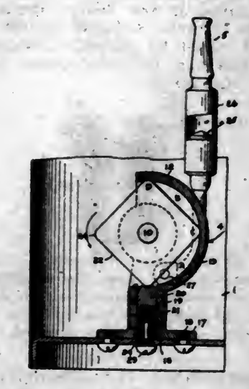
1,484,146. CLUTCH-PEDAL LOCK FOR TRACTORS. ERNEST R. MILLER, near Centerville, Ohio. Filed Aug. 8, 1921. Serial No. 490,446. 6 Claims. (Cl. 74—81.)



1. In a self-propelled vehicle of the type described, the combination with a clutch pedal, of an arm pivotally secured to said vehicle, an angle piece secured to the free end of said arm, a rod connected at its upper end to the clutch pedal, a lower threaded end on said rod projecting downwardly through the horizontal portion of said angle piece, and two nuts on the threaded end of said rod, one on each side of the horizontal portion of said angle piece, for the purpose specified.

1,484,147. HIGH-VACUUM PUMP. GEORGE F. NELSON, Berkeley, Calif. Filed Aug. 22, 1921. Serial No. 494,051. 4 Claims. (Cl. 230—30.)

1. A high vacuum pump comprising a pump chamber adapted to be submerged in oil or mercury, having one side open and another side provided with an intake port and a rotor of angular outline mounted in said chamber



and in part extending thru said open side, opposite sides and corners of said rotor having a working fit with the chamber.

1,484,148. MUSICAL INSTRUMENT. PHILIP S. OLT, South Pekin, Ill. Filed May 31, 1921. Serial No. 473,866. 1 Claim. (Cl. 46—46.)



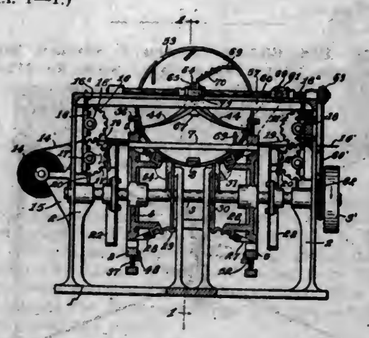
A musical instrument to be held in and operated by one hand comprising in its construction a tubular member including a tongue extending from one end thereof, a reed secured in the member overlying the tongue, said tongue being curved longitudinally on the surface thereof on which the reed lies, curving away from the latter, a tubular body into one end of which the member is adapted to fit, a ribbon-like part extending between the member and said body and slidable relative thereto and slidably engaging at its inner extremity the said reed, the same being recurved at its other end, and extending back upon and overlying the outer surface of the body terminating in an extension by which to shift it relatively to said body and said member, and means affixed to the body through which the ribbon-like part is slidable and by which it is guided and slidably secured upon said body.

1,484,149. METHOD OF ASSEMBLING THE PARTS OF KNITTING-MACHINE NEEDLES. CORYDON O. ORNE, Springfield, Mass. Filed Mar. 15, 1921. Serial No. 452,515. 4 Claims. (Cl. 163—3.)



1. The method of assembling the component parts of a knitting machine needle which comprises forming tapped openings in the walls of the latch slot of such a needle, forming a threaded latch-pivot element with a reaming end, and fitting the said element through said openings and the latch, said end first, whereby to destroy any burr present at the openings.

1,484,150. MACHINE FOR NAILING METAL STRAPS TO WOODEN SLATS. GLEN PARKS, Seattle, Wash., assignor of one-half to Hobart Flynn, Seattle, Wash. Filed July 29, 1922. Serial No. 578,413. 17 Claims. (Cl. 1—1.)



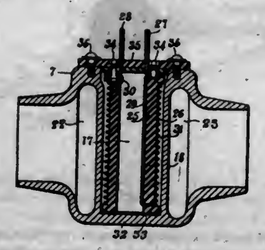
1. In combination, a shaft, a pair of disks affixed thereto, jaws on the periphery of said disks, said disks and jaws constituting carriers for slats, means for feeding slats to said carriers, and means carried by said disk for nailing straps fed to the slats.

1,484,151. HOOK MECHANISM FOR LOCK-STITCH SEWING MACHINES. WILLIAM N. PARKES, Brooklyn, N. Y. Filed July 30, 1920, Serial No. 400,237. Renewed Jan. 8, 1924. 16 Claims. (Cl. 112—228.)



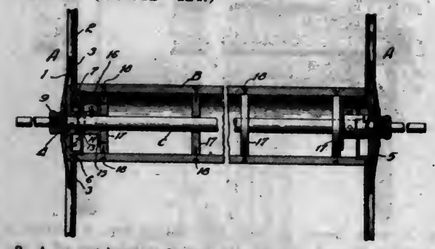
1. A stitch forming mechanism comprising a primary hook provided with a beak, a bobbin case provided with an auxiliary hook, means separable from the primary hook for bringing the loop of the needle thread into engagement with the auxiliary hook, and the said auxiliary hook so constructed and arranged that it assists in causing the loop of needle thread to move rapidly down the beak of the primary hook.

1,484,152. HEATER. ROBERT CORWIN PAULY, Dayton, and GROVER F. ILGEN, Springfield, Ohio. Filed June 19, 1922. Serial No. 569,404. 3 Claims. (Cl. 219—38.)



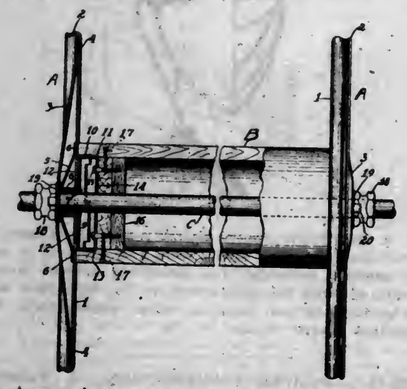
1. In a heating unit, a casing containing a water compartment and a heating compartment over which the water in the water compartment will pass, said heating compartment having its upper end open to afford access thereto from the exterior of the casing, a heating element in said heating compartment closely adjacent the wall thereof but spaced therefrom, a plate at the upper end of the heating compartment closing said end removably, a hollow heating deflecting and insulating member supported from said plate and supporting said heating element closely adjacent to said wall, said hollow member being adapted to insulate and deflect heat outwardly to said wall, and means of supplying current to said heating element extending through the hollow insulating member.

1,484,153. WARP BEAM. BURT A. PETERSON, Rockford, Ill., assignor to Edgar S. Nethercut, Evanston, Ill. Filed Mar. 21, 1921. Serial No. 453,899. 8 Claims. (Cl. 242—124.)



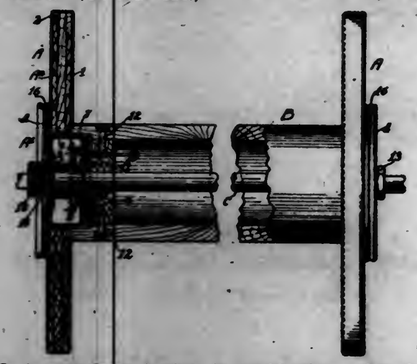
3. A warp beam adapted for rapid rotation and having, in combination, a barrel, two heads and a central shaft extending through the barrel and the heads, each of said heads comprising a central cast-metal disk and a sheet-metal disk rigidly secured together, the cast-metal disk being of substantially larger diameter than the barrel and having upon its inner face an annular flange extending into the end of the barrel to support the barrel concentric with the shaft, the sheet-metal disk having a central opening to receive said flange, and nuts on the outer portions of the shaft for forcing said heads against the ends of the barrel, the portions of the shaft projecting outwardly from said nuts constituting trunnions.

1,484,154. WARP BEAM. BURT A. PETERSON, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Jan. 18, 1922. Serial No. 530,077. 14 Claims. (Cl. 242—124.)



1. A warp beam having, in combination, a barrel and a metallic head, said head comprising a main disk having a peripheral outwardly-extending belt-race flange, a bracing disk the periphery of which is rigidly secured to the main disk near the periphery of the latter, an internal bracing disk the periphery of which is secured to the main disk opposite the end of the barrel, a spacer sleeve between the main disk and the internal bracing disk, and a hub extending through said sleeve and through central openings in said disks, the ends of said hub being expanded to secure the disks and the spacer sleeve rigidly together.

1,484,155. WARP BEAM. BURT A. PETERSON, Rockford, Ill., assignor to Edgar S. Nethercut, Evanston, Ill. Filed Jan. 18, 1922. Serial No. 530,078. 2 Claims. (Cl. 242—124.)



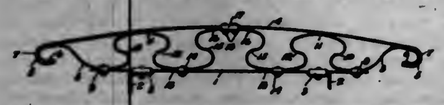
2. A warp beam having, in combination, a barrel, a central shaft and a head, the latter consisting of a metallic central portion and a wooden body, the metallic central portion consisting of a disk which overlies the central portion of the wooden body, a hub which fits upon the central shaft, and an annular flange which fits within a central opening in the wooden body and supports the end of the barrel, and means for securing the head and the barrel together.

1,484,156. ELECTRICAL APPARATUS. LOUIS A. M. PHELAN, Beloit, Wis. Filed Feb. 20, 1922. Serial No. 537,884. 9 Claims. (Cl. 219—34.)



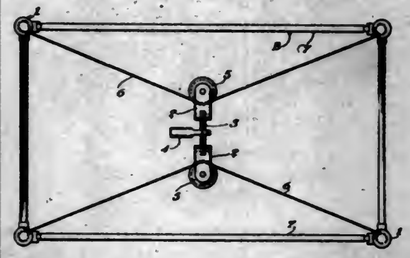
1. A gravity-type electric switch comprising a movable circuit-closing element which, when the switch is in normal position maintains the associated electric circuit closed and when the said switch is displaced from normal position in any direction, opens automatically the associated electric circuit.

1,484,157. BUMPER CONSTRUCTION. J. RAYMOND PLANK, Grand Rapids, Mich., assignor to Frank E. Liverance, Jr., Grand Rapids, Mich. Filed May 28, 1923. Serial No. 641,981. 15 Claims. (Cl. 293—55.)



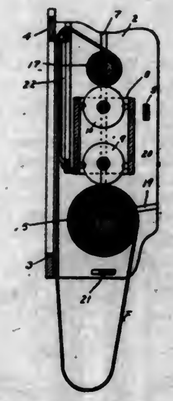
15. A device of the class described, comprising a front rail, spring impact means located back of the front rail and comprising two parts, the outer end of each of said parts being joined to an end of the front rail and extending inwardly therefrom and then bent into resilient loop formation toward the front rail and connected to said front rail between the ends thereof, substantially as described.

1,484,158. BED BRACE. JOSEPH F. STANLEY, Minneapolis, Minn. Filed Jan. 6, 1923. Serial No. 611,032. 1 Claim. (Cl. 5—306.)



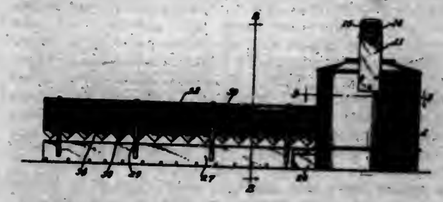
1. In combination with the supporting posts of an article of furniture, a flexible metallic member arranged at each side of the article, a ring coacting with the end portion of the flexible member, said flexible member being directed through the ring and around the adjacent post and then returned over the bar of the ring and around the post and again through the ring and then extending outwardly, and means coacting with the central portions of the flexible members for placing the same under tension.

1,484,159. TOWEL CABINET. GEORGE ADOLPH STEINER, Salt Lake City, Utah, assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed May 14, 1920, Serial No. 381,443. Renewed Aug. 1, 1923. 3 Claims. (Cl. 45—32.)



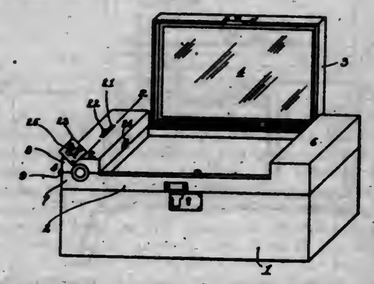
3. A towel cabinet comprising a casing having guideways therein, a soiled towel roll and a clean towel roll movable in said guide-ways, feed rolls mounted to contact respectively with said clean towel roll and said soiled towel roll for driving them simultaneously, a loop of towel from the clean towel roll being extended between said roll and the back of the cabinet to the soiled towel roll, and bars vertically arranged in the rear of the soiled towel roll and between which bars and the wall of the cabinet the soiled towel is fed to said soiled towel roll.

1,484,160. DRINKING FOUNTAIN OR TROUGH. ORVILLE A. THRASHER, American Fork, Utah. Filed Mar. 15, 1922. Serial No. 543,934. 3 Claims. (Cl. 119—77.)



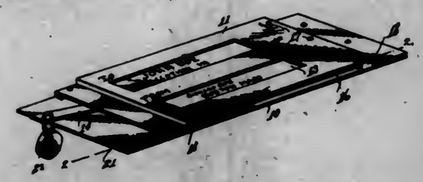
1. A device of the class described including a tank having upper and lower compartments, a closure for the upper compartment, a valve controlled outlet in the bottom of the upper compartment, a stop within the lower compartment, spaced wings outstanding from the wall of the lower compartment, and a trough insertible at one end between the wings and against the stop and into position under the outlet.

1,484,161. VANITY BOX. PEARL VAN DER VOORT, Oakland, Calif. Filed May 15, 1922. Serial No. 561,063. 2 Claims. (Cl. 240—8.4.)



1. In a vanity box, a lower compartment, an upper compartment hinged thereto, end members extending above the upper compartment, one of said members being sectional, means to secure the sections together, a mirror located between the end members and a storage battery and electric light mounted between said sections.

1,484,162. SHIPPING TAG. HARRY VAN STELTEN, Arco, Minn. Filed Apr. 6, 1923. Serial No. 630,262. 4 Claims. (Cl. 40—5.)



1. A shipping tag including a body having slots in one side, a plate slidably mounted on the body and having duplicated names and addresses thereon and visible through said slots in one order, and means for shifting the name and address plate to reverse the order in which the names and addresses appear through the slots.

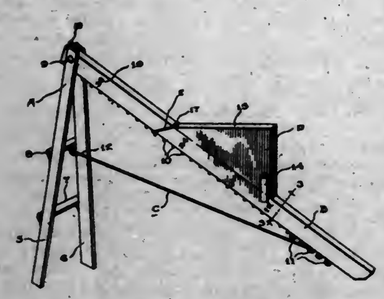
1,484,163. AUTOMATIC FIREARM. GUSTAVO VINCON, Turin, Italy. Filed Apr. 23, 1923. Serial No. 634,070. 8 Claims. (Cl. 42—3.)

1. In an automatic fire arm, the combination, with a sliding breech block, a striker and a trigger; of mechanism for effecting burst firing, comprising a wheel rotatably mounted on the pivot of the trigger and having a group of teeth equal in number to the number of shots in the burst and also having a special tooth at the end of the group, means operated by the closing movement of the breech block for turning said wheel tooth by tooth, a trigger lever pivotally mounted on the trigger and



adapted to be rocked by each tooth of the wheel except the special tooth but left stationary as that tooth passes by, and an automatic stop engageable with the striker to hold it in retracted position but released by each rocking movement of the trigger lever; substantially as described.

1,484,164. TRESTLE. FRANK L. WICKHAM, Lennon, Mich. Filed May 18, 1923. Serial No. 639,837. 6 Claims. (Cl. 304—5.)



1. A trestle comprising in combination a support, a prop carried by said support in angular relation thereto, said prop provided with a series of abutments at its lower face, a bracket slidable on the upper surface of said prop, said bracket provided with a hook at its upper end portion, a link carried by said hook and adapted to engage a selected abutment on said prop to retain the bracket in an adjusted position on said prop, and an eye at the upper end of said prop to be engaged by said hook when the bracket is in its uppermost position on the prop.

1,484,165. ARCH-SUPPORTING INSOLE. LORRAINE Q. WILSON, Baltimore, Md. Filed Feb. 13, 1923. Serial No. 618,796. 6 Claims. (Cl. 36—71.)

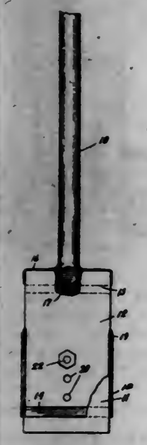
2. An arch supporter including an apertured base, a flexible retaining means on the upper face of the base, a rigid arch supporting member disposed between the flex-

ible means and the base and having a lug disposed in the aperture of the base a resilient means in the aperture engaging with the lug for urging the arch supporting



member upwardly against the flexible means, and means on the lower face of the base for releasably retaining the resilient means within said aperture.

1,484,166. SCRAPER. SAMUEL WOLK, Dorchester, Mass. Filed Mar. 15, 1923. Serial No. 625,358. 6 Claims. (Cl. 195—47.)



1. A scraper comprising a pair of spaced parallel holding plates integrally united at the upper ends and at the lower side edges thereof, whereby to form a pocket between them adapted to receive a cutting blade, said plates having a line of aligned bolt-openings therethrough extended rearwardly from the lower edges thereof, and a handle integrally united to said plates at the upper edges thereof.

1,484,167. CLEANING SOLVENT. VICTOR S. ALLIEN, Wilmington, Del., assignor to Darco Corporation, Wilmington, Del., a Corporation of Delaware. Filed Jan. 19, 1922. Serial No. 530,453. 3 Claims. (Cl. 196—29.)

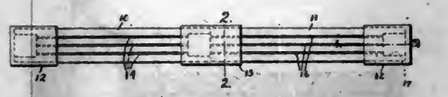
3. The process of recovering dry cleaners' gasoline which comprises settling said gasoline to remove coarse impurities, adding activated carbon and calcium carbonate, agitating and separating by centrifugal action.

1,484,168. BUCKSAW. ERIK BERTAS and ANDREW BERTAS, Minneapolis, Minn. Filed Apr. 25, 1923. Serial No. 634,647. 7 Claims. (Cl. 145—33.)



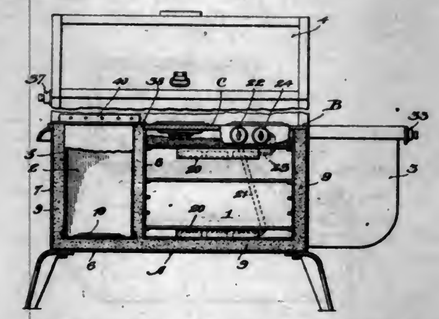
1. In a bucksaw, the combination with a frame, of a saw blade, and means including main and supplemental links for attaching the saw blade to the frame, said supplemental links being twisted to hold the saw blade in a plane that is oblique to the plane of the frame.

1,484,169. POULTRY PERCH AND LICE TRAP. JAMES F. BRECKENRIDGE, Englewood, N. J., assignor of one-half to Frank E. Brett, New York, N. Y. Filed Feb. 12, 1923. Serial No. 618,648. 3 Claims. (Cl 119—25.)



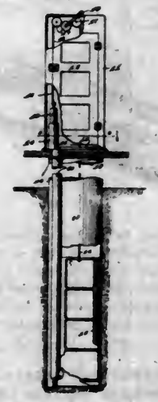
3. For trapping poultry lice, a perch of a plurality of parts each of which has grooves therein, a trap-member which holds said parts together with ends thereof abutting each other, portions of said parts serving with portions of said trap-member to form a recess to which said grooves lead, and a trap-member carried by the free ends of each of said parts each of which ends has portions which serve with portions of its related trap-member to form a recess to which said grooves lead.

1,484,170. ELECTRIC STOVE. ROSCOE S. CANNON, Rock Hill, S. C. Filed Sept. 6, 1922. Serial No. 586,485. 9 Claims. (Cl. 219—35.)



1. An electric stove, comprising a conventional wood burning or coal burning cook stove having its grate and fire bricks removed, the fire bricks being replaced by heat insulating material, and an electric heater mounted within the fire box.

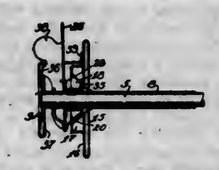
1,484,171. COOLING DEVICE. HENRY A. CARSTENS, Ackley, Iowa. Filed Apr. 11, 1922. Serial No. 551,512. 1 Claim. (Cl. 257—121.)



A cooling device comprising a tube open at its top and closed at the bottom, and designed to be inserted in the ground, a box at the top of the tube and in communication therewith, said box being substantially air tight and

provided on one side with a door opening, a door for closing said door opening, a dumb waiter mounted within the tube and capable of moving from position within the box to position at the lower end of the tube, a counterbalancing weight for the dumb waiter, a tube parallel with the main tube for receiving said counterbalancing weight, said weight being fitted within the tube loosely so that air may freely pass around it, and a ventilating tube arranged exterior to the main tube and having its upper end open within the interior of the box at the bottom thereof and having its lower end communicating with the bottom portion of the tube at a point spaced above the bottom thereof, said ventilating tube being open and unobstructed so that when the dumb waiter descends, air within the bottom of the main tube may pass freely up through said ventilating tube into the box at the top, and as the dumb waiter is being elevated, air within the box may freely pass to the bottom of the tube, substantially as and for the purposes stated.

1,484,172. OIL BURNER. LEE S. CHADWICK, Cleveland, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 29, 1920. Serial No. 377,467. 8 Claims. (Cl. 67—66.)



1. In a burner of the class described, the combination with the wick raising spindle, of opposed members, the first rotatable with the spindle and the second with respect whereto the spindle is rotatable, an element disposed between said members and rotatable on the axis of the spindle, and a device adapted to rock within said element toward and from the first member, the device having parts for interlocking engagement with parts of the first member and a portion for engagement with the second member to prevent withdrawal of its aforesaid parts from those of the first member, the second member being designed to permit separation of the aforesaid parts when the device is in a given position with respect to said second member.

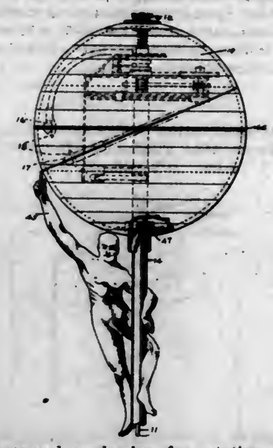
1,484,173. DRY CELL. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Original application filed Apr. 1, 1920, Serial No. 370,610. Divided and this application filed May 7, 1920. Serial No. 379,515. 7 Claims. (Cl. 204—29.)



1. In a dry cell, a container, a depolarising cartridge therein, and a bottom centering cup for the cartridge, having a continuous stiffened side wall with scallops formed therein.

1,484,174. DEVICE FOR INDICATING THE RELATIVE MOVEMENTS OF THE EARTH, SUN, AND MOON. JOHN J. DIVO, Brooklyn, N. Y. Filed Sept. 14, 1922. Serial No. 588,175. 4 Claims. (Cl. 35—5.)

1. A hollow translucent globe having its surface outlined to represent the earth, means for rotating said globe once in approximately every twenty-four hours, a lamp within said globe, mechanism for rotating said lamp once in approximately twenty-nine and one-half days, a second



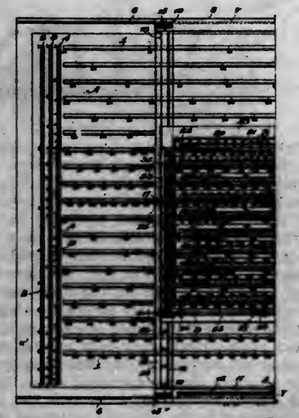
lamp and a second mechanism for rotating said second lamp once in three hundred and sixty-five and one-quarter days.

1,484,175. MEANS OF JOINING METAL-SHEATHED BOARDS ARRANGED EDGE TO EDGE. ARMIN ELMENDORF, Chicago, Ill., assignor to Haskelite Manufacturing Corporation, a Corporation of New York. Filed May 28, 1921. Serial No. 471,925. 2 Claims. (Cl. 20—91.)



1. In combination, two boards arranged edge to edge and engaged with each other at the meeting edges, each board having glued thereto a metal sheathing element, said metal sheathing elements being extended laterally of the boards at said meeting edges to form outwardly-directed flanges in engagement with each other.

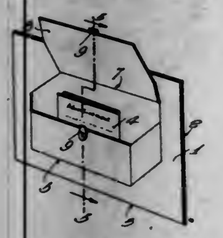
1,484,176. COMPUTING DEVICE. WILLIAM S. HAIMES, Washington, D. C. Filed Jan. 22, 1923. Serial No. 614,275. 21 Claims. (Cl. 235—70.)



1. In a device of the character described, the combination of a flat scale member having a plurality of logarithmically divided scale sections extending over approximately four cycles of logarithms, a second scale member co-

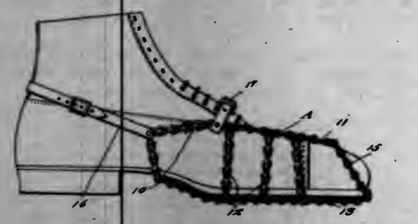
operating therewith, said last-named member having a plurality of scale sections arranged in a single plane and extending over one cycle of logarithms, and means including a scale of equal parts associated with said second scale member for finding the mantissa part of the logarithm of any number on said scale members.

1,484,177. ADVERTISING NOVELTY. WILLIAM S. KELLNER, Baltimore, Md. Filed July 27, 1922. Serial No. 577,925. 1 Claim. (Cl. 229—71.)



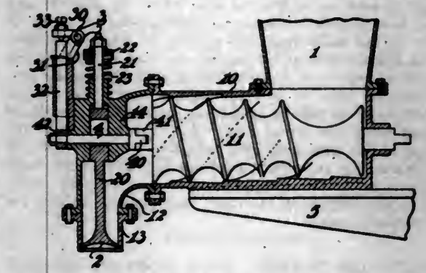
A rectangular, advertisement-containing and mailing envelope sealed throughout its perimeter and having one side upon which to write an address; a portion of the other side of said envelope being provided with a pictorial representation of an object having a hinged closure, the closure-simulating area of the representation being cut on three edges from said other side only on line spaced inwardly from the envelope edges, the other edge of said area representing the hinge line of the closure and forming a hinge permitting direct outward swinging of said area by the recipient to give access to the advertisement, the latter being covered and obscured by said area during transit of the envelope.

1,484,178. ANTISLIPPING MEANS FOR SHOES. JOSEPH N. LAGASSE and MARTIN L. CUMMINGS, Hyner, Pa. Filed Aug. 9, 1922. Serial No. 580,803. 1 Claim. (Cl. 36—63.)



Anti-slipping means for shoes including a chain having its intermediate portion arranged transversely under the instep of the shoe, and extending upwardly along the sides of the shoe, and thence extended forwardly toward the tip to provide convergently disposed portions, an additional chain arranged beneath the sole of the shoe along the longitudinal center thereof and having one end secured to the intermediate portion of the first mentioned chain, a plurality of transverse chains having their corresponding extremities secured to the second mentioned chain beneath the sole of the shoe, and arranged to embrace the sides of the shoe and having their other ends secured to the convergently disposed portions of the first mentioned chain, and a pair of short chains extending from the forward end of the second mentioned chain over the tip of the shoe and connected to the adjacent terminals of the first mentioned chain, and a strap adapted to embrace the heel portion of the shoe and having its ends connected with the vertical portions of the first mentioned chain whereby the attachment is secured to the shoe.

1,484,179. DOUGHNUT MACHINE. HARRY A. MCCLURE and HENRY F. HUNTLEY, Seattle, Wash., assignors to Washington Automatic Doughnut Machine Company, Seattle, Wash., a Corporation of Washington. Filed Sept. 24, 1921. Serial No. 502,899. 4 Claims. (Cl. 107—14.)



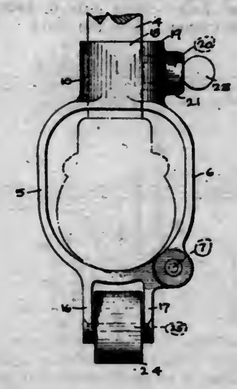
4. In a doughnut machine, a dough hopper, a horizontally placed feed screw connecting at one end with the hopper, a casing for said screw having a downwardly extending discharge spout at the delivery end of the screw, a downwardly opening valve normally closing said spout and having a stem extending upwardly through the casing, said stem having a yoke alined with the axis of the worm, a spring engaging the upper end of the stem to normally hold the valve closed, a lever engaging with said stem to open the valve, a rod mounted to reciprocate on said casing and engaging the other end of the valve to operate it, a shaft coaxially placed with the feed screw and having a clutch engagement therewith and a cam secured on said shaft and engaging the reciprocating rod to actuate it.

1,484,180. PENCIL. LAWRENCE T. MCNARY, Cranston, R. I., assignor to Rex Manufacturing Company, Providence, R. I. Filed Oct. 11, 1921. Serial No. 507,050. 8 Claims. (Cl. 120—18.)



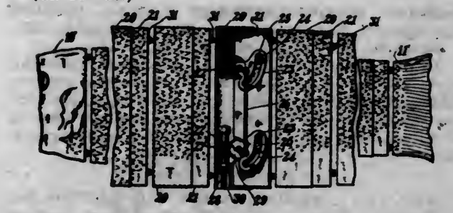
1. In a pencil, a sleeve having an inturned end and having a concavo-convex bead below said end, a guide member engaged with the flange, solder engaged with the guide member, with the extremity of the inturned end, and in concavo part of the bead, a lead carrier in the guide member, a spiral for the lead carrier engaged with the inturned end of the sleeve at one end, a ring engaged with the other end of the spiral and about the guide member, said guide member having its outer end flattened to provide abutments for engaging the ring, to hold the latter and the spiral onto the guide member, said spiral having a staggered series of punched out bosses, and a casing frictionally engaged with the bosses on its inner circumference and having its inner end engaged with the bead.

1,484,181. AUTOMOBILE THEFT PREVENTIVE. AUGUSTUS MANUEL, Alameda, Calif. Filed Dec. 24, 1919. Serial No. 347,071. 7 Claims. (Cl. 70—90.)



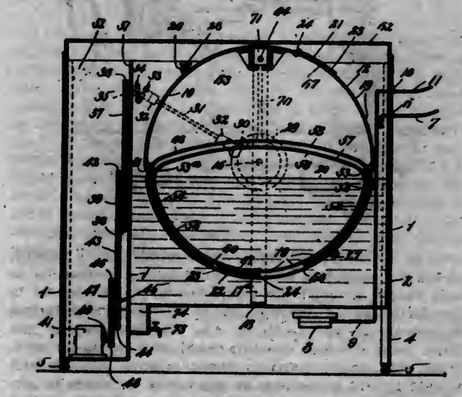
1. A wheel lug comprising a yoke adapted to encircle a wheel tire and engage a spoke of the wheel; and a roller on said yoke extending outward therefrom intermediate the sides of said tire.

1,484,182. FISH TOY. JULIE MARCUS, Berkeley, Calif. Filed Apr. 20, 1922. Serial No. 555,729. 2 Claims. (Cl. 46—40.)



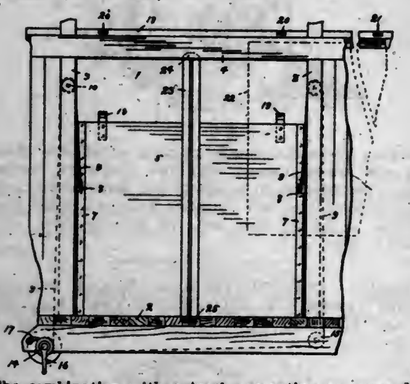
1. A toy formed to represent a fish having the body thereof formed of a series of vertical slats hinged at their sides to one another, each of said slats comprising a pair of casing elements telescoping one into the other longitudinally of the fish, and means for telescopically adjusting said elements.

1,484,183. WASHING MACHINE. NICOLA MASTROMARINO, Boston, Mass. Filed July 25, 1923. Serial No. 653,695. 4 Claims. (Cl. 68—18.)



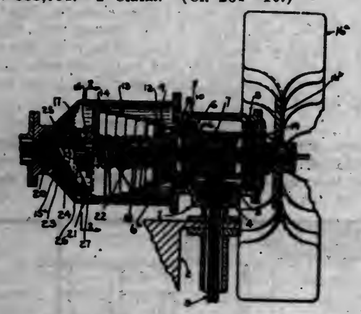
1. A washing machine having a rotary drum to receive and tumble the clothes to wash them, a partition member within said drum which is movable at the will of the operator to divide the interior of the drum into two compartments so that the clothes when washed may be assembled in one of said compartments, a movable presser member located in the compartment in which the clothes are assembled and means for moving said presser member to push the clothes toward one end of said compartment and squeeze them.

1,484,184. GRAIN DOOR. JACOB MATTSON, Duluth, Minn. Filed Feb. 17, 1923. Serial No. 619,546. 1 Claim. (Cl. 20—34.)



The combination with a track presenting an upwardly directed flange extending transversely of a door opening, said flange having transversely spaced holes therethrough, of a door having upwardly extending hooks for overlapping engagement with said flange for sliding movement of said door, said hooks being spaced to register with the holes in the flange to permit the hooks to engage in said holes for pivotal movement of said door, substantially as described.

1,484,185. SPEED-SENSITIVE CONTROLLING DEVICE. ROBERT F. METCALFE, Erie, Pa., assignor to Skinner Patent Holding Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 27, 1919. Serial No. 333,793. 1 Claim. (Cl. 264—10.)

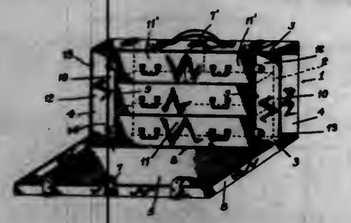


In a speed sensitive controlling device, the combination of a fan; a driven shaft on which the fan is mounted; bearings for said shaft; an externally screw-threaded sleeve slidingly mounted on the shaft; a driving shaft within which the driven shaft extends; a screw on the driving shaft over the sleeve screw on the driven shaft; a spring connection between said driving shaft and driven shaft; and means for communicating the movement of the device from the screw-threaded sleeve.

1,484,186. SUITCASE. HENRY D. MINICH, Alma, Mich. Filed Dec. 30, 1921. Serial No. 525,915. 5 Claims. (Cl. 190—51.)

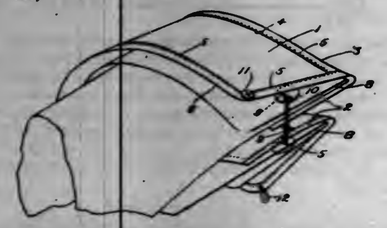
1. In a suitcase, the combination of a container comprising a back, bottom, and top and end portions, a rigid

front closure member hingedly connected to the front edge of the bottom portion and adapted to be swung into open and closed positions, and locked in closed position, said container having partitions therein providing end compartments beyond the same extending uninterruptedly from top to bottom and a central compartment



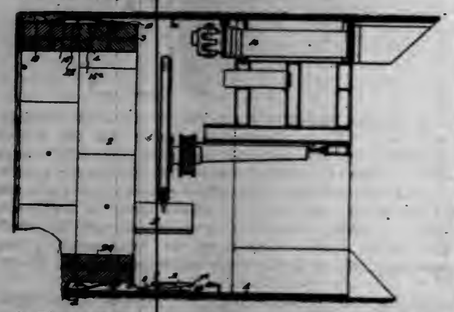
between the same, and a plurality of slidable drawers in said central compartment and completely occupying the same, adapted to be drawn out horisontally through the open front of said container when said front closure means is swung open and the suitcase rests on its bottom side.

1,484,187. CUFF PROTECTOR. WILLIAM P. O'NEILL and FREDERICK T. GALLAGHER, Rockland, Mass. Filed Apr. 16, 1923. Serial No. 632,201. 6 Claims. (Cl. 2—79.)



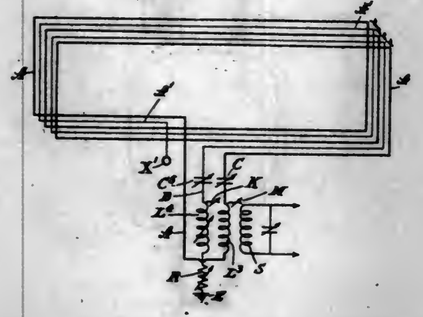
1. A cuff protector consisting of a slip over, comprising a sheet of transparent material and a sheet of cloth, the cloth at one edge lapping for a short distance onto the front face of the transparent material and secured thereto, the cloth then being folded over the front edge and onto the back face of the transparent material thereby forming a slip over for a cuff whereby the covering for the outer face of the cuff is transparent material and the covering for the outer edge and inner face of the cuff is cloth.

1,484,188. METHOD OF AND MEANS FOR ERECTING TUNNELS. JOHN F. O'ROURKE, New York, N. Y. Filed Nov. 11, 1919. Serial No. 337,286. 20 Claims. (Cl. 61—84.)



3. The method of erecting a tunnel lining, consisting in successively setting and supporting the lining rings within a shield in required line and grade independently of the position of the shield.

1,484,189. RADIO RECEIVING APPARATUS. JOHN A. PROCTOR, Lexington, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed July 6, 1920. Serial No. 394,063. 18 Claims. (Cl. 250—20.)

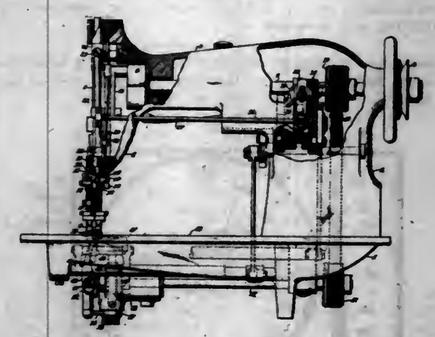


1. A receiving system for wireless signals comprising a tunable closed loop aerial, a tunable open aerial separate structurally from said loop and having a loop in series therewith and in coupled relation with the first loop, and means for adding the currents in said aerials for operating a detector.

1,484,190. SOLIDIFICATION OF ORGANIC LIQUIDS. ARTHUR B. RAY, Flushing, N. Y. Filed Nov. 8, 1921. Serial No. 513,835. 17 Claims. (Cl. 44—7.)

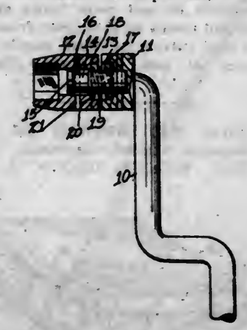
17. In a process of solidifying hydrocarbon liquids carrying gaseous substances, heating same under pressure, adding thereto a small amount of stearic acid, saponifying the stearic acid by adding a solution of an alkali in a water-alcohol mixture and cooling the resulting mixture.

1,484,191. NEEDLE GUARD FOR SEWING MACHINES. JOHN C. RINGE, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Apr. 30, 1921. Serial No. 465,720. 5 Claims. (Cl. 112—81.)



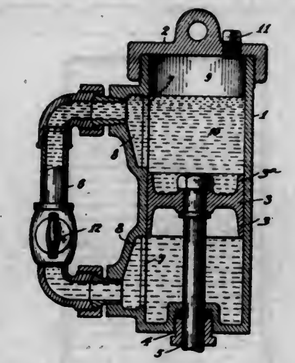
1. In a sewing machine, in combination, a needle, means for imparting endwise reciprocating movements to said needle, a loop-taker complemental to the needle in the formation of stitches, means for imparting lateral movements to the needle in and relatively to the material being stitched, a needle-guard, and means for actuating said needle-guard in timed relation with respect to said lateral movements of the needle to insure in successive stitches a substantially constant relative position of the needle and loop-taker at the time of seizure of the needle-thread loop by said loop-taker.

1,484,192. REVERSIBLE WRENCH. ALVIN O. RINGQUIST, Fitchburg, Mass. Filed Apr. 27, 1923. Serial No. 635,189. 1 Claim. (Cl. 81—60.)



A reversible wrench comprising a handle, a body fixed thereto, a stud fixed relatively to said body and handle, said stud, body and handle forming a rigid unit, a head formed with a nut socket at one end and a cylindrical axial opening at the other end to receive said stud, holding means on said head co-operating with said stud to form a lost motion connection between the parts, and means to normally yieldingly separate said parts, said body and head provided with co-operating clutch teeth.

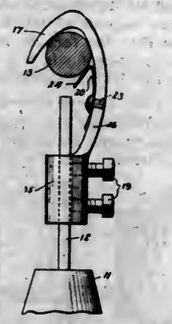
1,484,193. SHOCK ABSORBER. WALTER C. SCOTT, Plainfield, N. J. Filed Jan. 17, 1918. Serial No. 212,256. 6 Claims. (Cl. 188—88.)



1. A shock absorber comprising: a casing having a port adjacent to but below its upper end and a port adjacent to but above its lower end, a connection between said ports extraneous of the interior of the casing, said casing being partially filled with a body of liquid free to flow through said connection, and a piston, constituting a valve for the ports, immersed in said liquid, said piston having upper and lower concave faces, to form a liquid pocket on its upper side and an air pocket on its lower side, and dividing the casing into an upper and a lower chamber that are in communication with each other through aforesaid connection, said casing and piston being movably related to each other in response to shocks.

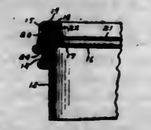
1,484,194. ELECTRODE SUSPENSION DEVICE. OSCAR E. SERVIS, Chicago, Ill. Filed Jan. 28, 1921. Serial No. 440,716. 6 Claims. (Cl. 204—4.)

1. The combination with an electrode having a suspension shank, of a suspension device therefor, comprising: a sleeve member having a socket for receiving the electrode shank, means carried by said sleeve member for engaging a shank inserted in said socket to secure the shank to said sleeve member, a hook extending from one end of said sleeve member and adapted to be hooked over and to engage two circumferential portions of a con-



ductor rod, and a spring adjustably secured to the hook portion of said suspension device and adapted to engage with a yielding pressure a third circumferential as specified.

1,484,195. SHEET-METAL CAN. ISAAC E. SEXTON, Winchester, Mass. Filed Feb. 17, 1923. Serial No. 619,657. 4 Claims. (Cl. 220—29.)



1. A sheet-metal can comprising, in combination, a tubular mouth having an annular internal stopper seat, an annular external cap flange seat, and an annular end shoulder between said seats; a stopper having a circular head and a tapering upstanding flange, adapted to be wedged into said stopper seat, and form therewith an inner joint; and a cap having an annular face, coinciding with said end shoulder, an annular flange projecting downward from the outer portion of the annular face, and a central boss projecting downward from the inner portion of said face, said boss including a tapering annular wall inserted in and conforming to the tapering stopper flange and separably engaged therewith, so that the cap and stopper are applicable as a unit to the mouth, and are movable by pressure exerted on the cap to frictionally engage the stopper flange with the stopper seat, thus forming an inner joint, and frictionally engage the cap flange with the said external seat, thus forming an outer joint, the arrangement being such that when the cap is removed from the mouth, the stopper remains therein.

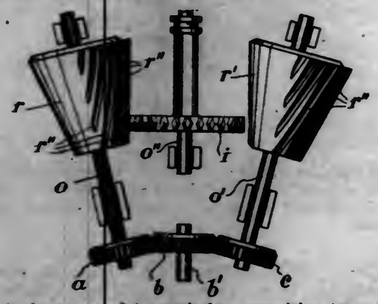
1,484,196. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 15, 1923. Serial No. 619,088. 1 Claim. (Cl. 197—176.)



In a typewriting machine, the combination with a spring-driven letter-feeding carriage having a rack whose teeth are at letter-space intervals, of a pinion meshing with said rack, an escapement wheel driven by said pinion, and a key-controlled dog device co-operating

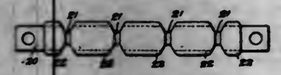
with said escapement wheel, said pinion having two teeth normally in mesh with said rack, and said rack having a gap to permit a jump of the carriage, said gap being lengthened by the omission therefrom of one tooth in excess of the number of letter-spaces that the carriage jumps, so that the rack in re-engaging the pinion engages the tooth thereof which is next but one to the tooth that was last in engagement with the rack.

1,484,197. CHANGE-SPEED TRANSMISSION. CARLO STEFANI, Milan, Italy. Filed Oct. 18, 1922. Serial No. 595,450. 3 Claims. (Cl. 74—58.)



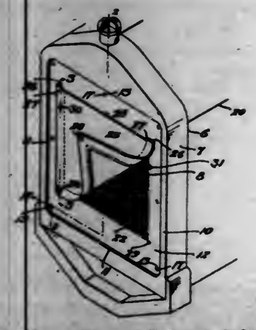
1. A change speed transmission comprising two conical wheels having teeth of uniform pitch throughout extending along the length of the cone and covering substantially one half of each conical surface, an intermediate toothed wheel meshing with the toothed conical wheels, and means for rotating the two conical wheels simultaneously so that the teeth of the one move out of mesh with the intermediate wheel as the teeth of the other move into mesh with the said intermediate wheel.

1,484,198. ELECTRICAL FUSE AND METHOD. HAROLD E. TRENT, Lansdowne, Pa. Filed July 10, 1918. Serial No. 244,243. 5 Claims. (Cl. 200—135.)



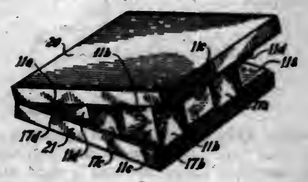
3. An enclosing casing and terminals therein, in combination with a renewable fuse therefor, comprising a fusible conductor having a plurality of exposed sections and a plurality of intermediate coverings mounted and supported thereon by reason of their own cohesion, composed of cushioning material.

1,484,199. AUTOMOBILE RADIATOR COVER. FREDERICK SAMUEL TYSON, Lock Haven, Pa., assignor to Tyson Mfg. Co., Lock Haven, Pa. Filed Feb. 4, 1922. Serial No. 534,651. 2 Claims. (Cl. 257—132.)



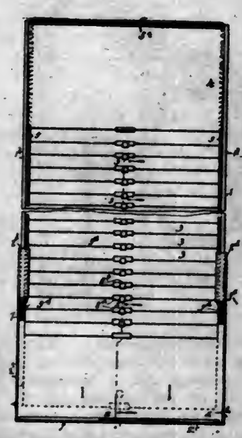
2. The combination with a radiator including a frame and a portion therein provided with air ducts, of a flexible cover mounted over said portion and within the confines of said frame, means for fastening said cover in position, said cover comprising an apertured frame of a plurality of layers and a curtain stitched with one edge between the layers of said cover frame at one edge of said aperture, and means on said cover frame and curtain for fastening said cutrain in rolled position to expose a desired number of said air ducts, substantially as described.

1,484,200. TILE AND METHOD OF PRODUCING SAME. ENRIQUE VINCKE, Barcelona, Spain. Filed Feb. 24, 1923. Serial No. 620,955. 5 Claims. (Cl. 18—48.)



1. A flooring unit comprising a base formed of particles of cork bonded as a unit, certain portions of which extend to the exposed surface of the unit and integrally bonded with said base, the exposed surface of said articles being provided with recesses and portions of suitable material located within said recesses.

1,484,201. FILING RACK. ZEMACH AUERBACH, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,287. 10 Claims. (Cl. 129—16.)

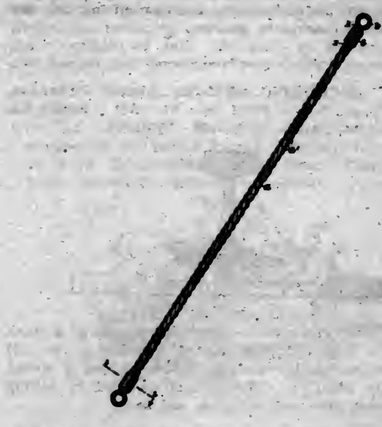


1. A rack for cards comprising two members slidably connected together and provided with opposing end walls to receive a series of cards therebetween, and means to retain the cards flatwise in the rack.

9. A card having a clip provided with a hook-like member at one edge, and a lateral projection extending through the card, the outer end of said projection being turned to extend over the card.

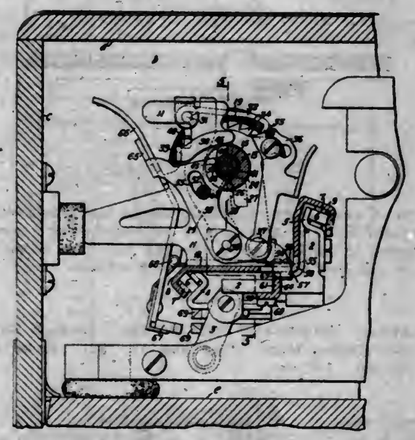
1,484,202. FLEXIBLE CONNECTION. JOHN BAKER, Paterson, N. J. Filed May 9, 1923. Serial No. 637,779. 2 Claims. (Cl. 24—128.)

1. A flexible metal connection comprising intertwisted flexible strands, an attaching member having a shouldered metal shank extending longitudinally of and embedded in one end portion of the group of strands, and a metal ferrule embracing said end portion and holding



the same constricted and thereby pressed inward against the shank, said end portion being soldered to the shank and the ferrule being soldered to said end portion.

1,484,203. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 610,057. 38 Claims. (Cl. 197—114.)

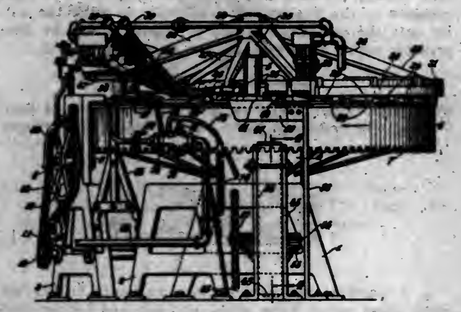


1. In a typewriting or like machine, the combination of a platen; a line spacing pawl; and means for actuating said pawl comprising a finger piece, and means whereby said finger piece may be moved bodily axially of and towards the platen from the position for use into a compact position where it may remain indefinitely and whereby while maintained in the position for use said finger piece is effective to actuate said line spacing pawl.

1,484,204. PASTRY-CONE MACHINE. CHARLES F. BETZ, St. Louis, Mo. Filed Jan. 4, 1919. Serial No. 269,706. 22 Claims. (Cl. 107—58.)

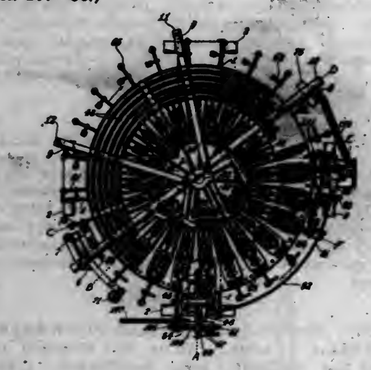
1. In a machine of the class described, the combination with a pair of cooperating baking elements, of mechanism for imparting a violent blow to one of said baking elements and in a direction to separate it from the other element.

10. In a machine of the class described, the combination with a traveling frame, of a pair of relatively movable cooperating baking elements thereon, and gearing arranged in the path of the movable of said elements, adapted to close said elements.



14. In a machine of the class described, the combination with a baking mold, of means for directing an air blast at the edge of the baked product, adapted to separate the latter from the mold.

1,484,205. METHOD OF AND MACHINE FOR MAKING PASTRY CONES. CHARLES F. BETZ, St. Louis, Mo. Filed July 10, 1919. Serial No. 309,851. 40 Claims. (Cl. 107—58.)



1. The method of making pastry cones in cooperating mold-core baking elements comprising, depositing the batter in the heated mold, inserting the core into the mold, permitting said core to rest in said mold for a predetermined period in order to permit escape of steam and air, thereafter applying to the cooperating elements and for a predetermined period, an additional yielding closing pressure increasing gradually from a light pressure to the final pressure, in order to work the batter into the mold and maintaining the final pressure while the batter is baking.

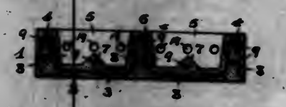
8. In the art of making pastry cones in which the batter is baked in cooperating mold-core baking elements, the process of separating the baked core comprising, imparting a violent blow to the core and in a direction to move it quickly away from the mold.

27. In a machine of the class described, a rotating frame, cooperating relatively movable baking elements arranged radially of said frame, and means for resiliently mounting the movable of said elements on said frame.

39. A pastry cone baking machine comprising, an oven, a traveling frame, cooperating mold-core baking elements mounted thereon and adapted to pass through said oven, means for depositing batter in the heated mold, means

for inserting the cores into the molds adapted to permit the same to rest therein for a predetermined period in order to permit escape of steam and air, means operating thereafter for applying to the cooperating elements and for a predetermined period an additional intermittent closing pressure increasing gradually from a light pressure to the final pressure in order to work the batter into the mold, and means for maintaining the final pressure while said elements pass through said oven.

1,484,206. BUILDING UNIT. JOSEPH A. BIRKHOLZ, Orange, N. J. Filed Oct. 9, 1920. Serial No. 415,897. 6 Claims. (Cl. 72—40.)



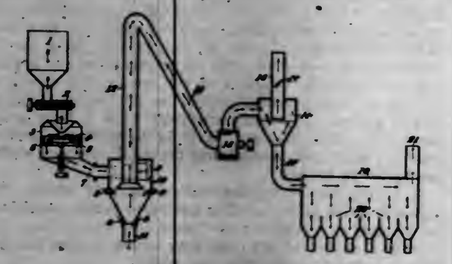
1. A portable pre-cast concrete wall-unit having upright edges which form studs, and top and bottom portions comprising the plate and sill members of a wall-structure, respectively, said stud-members being adapted to carry substantially the entire weight that is imparted thereto.

1,484,207. ADJUSTABLE CYLINDER REAMER. ERNEST P. CAMPBELL, Stockton, Calif. Filed Feb. 20, 1922. Serial No. 537,721. 5 Claims. (Cl. 77—76.)



1. A [illegible] a rotatable head provided with a [illegible] disposed slots, cutters slidably disposed [illegible] number of said cutters being even, means for [illegible] the cutters outwardly, and a spring for each two successive cutters mounted in the head between the cutters and acting on the latter to move them inwardly.

1,484,208. METHOD OF TREATING FIBER-BEARING MATERIAL. NORRIS K. DAVIS, San Francisco, Calif. Filed Nov. 30, 1921. Serial No. 518,912. 1 Claim. (Cl. 83—54.)



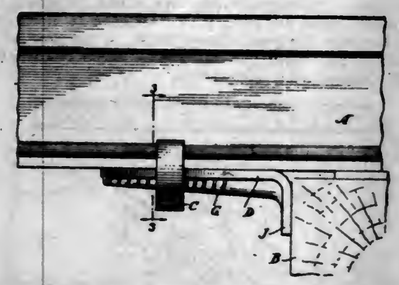
The method of treating fiber bearing ores reduced to a proper size for the separation and recovery of the fiber therefrom, which resides in shattering the ore by an impact blow of the ore to release the fiber therefrom, subjecting the released fiber to the action of air under pressure to permit the baser refuse material to settle out by gravity, subjecting the separated fiber and lighter particles to air under pressure to remove the dust and light particles therefrom and classifying the fiber according to length by forcing the same in a horizontal direction by air under pressure and permitting the discharged fiber to settle by gravity.

1,484,209. ANCHORING DEVICE. AUGUST DINKLAGE, East Orange, N. J. Filed Dec. 31, 1921. Serial No. 526,230. 14 Claims. (Cl. 238—279.)



1. In a creep check device, the combination of a track rail base, a road bed part located opposite to the rail base and an unattached wedging member which is moved downwardly when the track rail is occupied by rolling stock between the road bed part and base.

1,484,210. RAIL ANCHOR. AUGUST DINKLAGE, East Orange, N. J. Filed Feb. 6, 1923. Serial No. 617,306. 27 Claims. (Cl. 238—324.)



24. A creep check comprising a yoke having oppositely disposed inturned ends, each of the ends having a recess adapted to receive and fit the rail edge and means to force and hold the rail edges in said recesses.

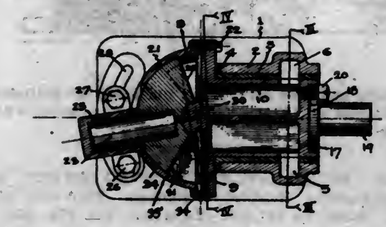
1,484,211. SHOWCASE REFLECTOR. LEONARD ERIKSON, Malden, Mass. Filed Aug. 17, 1921. Serial No. 492,989. 1 Claim. (Cl. 240—6.)



A trough-shaped show-case reflector comprising a substantially vertical side member and a substantially horizontal top member, said side member terminating in a flange angularly related thereto and said top member terminating in a flange angularly related thereto, the last mentioned flange terminating in a down-turned end member angularly related to said top member, a conduit for

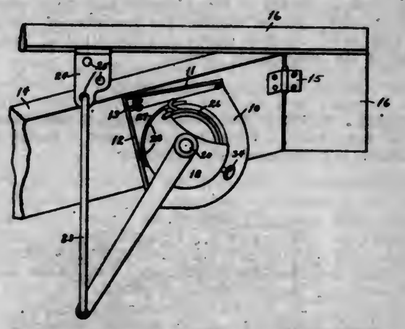
electrical conductors removably secured to said reflector in the corner thereof between said side and top members and having its sides angularly related thereto, respectively, and reflecting members removably secured to the inner surfaces of said side and top members between said flanges and the sides of said conduit respectively.

1,484,212. ENGINE. RALPH G. FEAR, Oakland, Calif., assignor to Jacobson & Fear, a Copartnership consisting of H. O. Jacobson and R. G. Fear. Filed Mar. 30, 1920. Serial No. 369,900. 2 Claims. (Cl. 131—53.)



1. An engine comprising a base having a bearing, a casing having a combined inlet and outlet journal shaft journaled in the bearing, said casing having a substantially flat wall and an opposed hemi-spherical wall formed at its center with an opening, said base having an arcuate slot, a bearing adjustably secured in the slot, and a piston within the casing having a stub shaft extending through the opening in the casing and journaled in the second bearing.

1,484,213. MOVEMENT-CONTROLLING DEVICE. PAUL R. FINCH, Des Moines, Iowa. Filed July 24, 1922. Serial No. 577,002. 9 Claims. (Cl. 188—90.)



1. The combination with a fixed and a movable object, of a receptacle adapted to be fixed rigidly to one of said objects, a shaft journaled in said receptacle, a lever fixed to said shaft, a link flexibly connecting said lever to the other of said objects, said receptacle being provided with a transverse partition, a wing or paddle on said shaft within said receptacle and movable to approach or retreat from either side of said partition, said receptacle adapted to contain a liquid offering resistance to movement of said paddle relative to said partition.

1,484,214. SEPARABLE FASTENER. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles & Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 2, 1923. Serial No. 610,181. 17 Claims. (Cl. 24—211.)

1. In a fastener for two separable members, an element carried by one of said members having a head, an element carried by the other member and adapted to engage the first element beneath said head to prevent separation of said members, and means engaging said



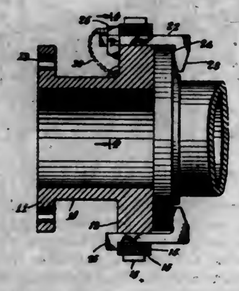
head to hold said elements in engagement and movable longitudinally of the head to allow separation of said elements.

1,484,215. SANITARY BATH BRUSH. MORRIS L. GOLDBERG, Brooklyn, N. Y. Filed Jan. 26, 1923. Serial No. 614,952. 2 Claims. (Cl. 15—130.)



1. A bath brush, comprising a body portion and rubbing members on opposite sides thereof, said body portion having an axial opening extending therethrough and communicating with both rubbing members, said body portion also having a radial opening connected with the first mentioned opening, means for connecting a supply conduit to either of said openings, a handle, said body portion having a socket to receive the handle, said socket being of the same diameter as the radial opening, whereby the handle can be positioned in said radial opening and function as a closure therefor.

1,484,216. FLANGED PIPE OR HOSE CONNECTION. MARTIN J. HEKKING, Brooklyn, N. Y. Filed May 19, 1922. Serial No. 562,066. 5 Claims. (Cl. 285—191.)

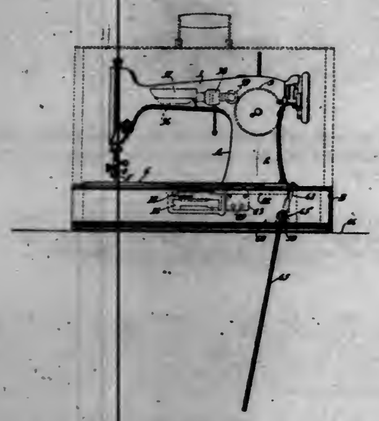


1. A connection or coupling comprising a member having a notched flange with its periphery screw-threaded, jaws mounted in the notches of the flange and adapted to engage the flange of a coöperating member, and a clamping nut screwed onto the periphery of the flange, and adapted to tighten the jaws.

1,484,217. ELECTRIC SEWING MACHINE. MARTIN HEMMER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 9, 1921. Serial No. 467,835. 10 Claims. (Cl. 112—220.)

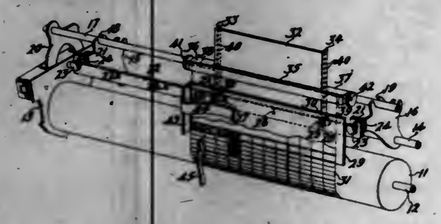
1. A motor driven sewing-head adapted for reception by a portable base or drop-head cabinet and comprising a frame, stitch-forming and feeding mechanisms incorporated in said frame, a driving motor and a motor-con-

troller carried by said frame, and a shiftable controller operating element carried by said frame, said element



being adapted to register with a coacting manually controlled element carried by the support by which the sewing-head is received.

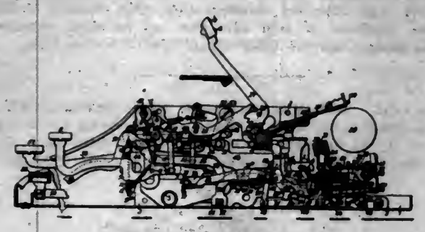
1,484,218. COMBINED TYPEWRITING AND COMPUTING MACHINE. CHARLES M. HILSER, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 17, 1921. Serial No. 453,079. 10 Claims. (Cl. 197—127.)



1. In a typewriting and computing machine comprising tabulating mechanism for making entries on sheets having like columnar divisions, each of which divisions comprises several subordinate columns, the combination of a front paper-table having a leading-edge gage and a fixed side-edge gage, and selective means for mechanically locating the paper-table in different columnar locations, laterally of the machine, to enable the paper-table to locate the work-sheets with different columnar divisions in co-operative relation to the computing mechanism and the tabulating mechanism for tabulating, typing and computing in different zones on the work-sheets.

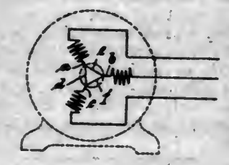
1,484,219. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 6, 1922. Serial No. 558,951. 22 Claims. (Cl. 197—82.)

1. In a typewriting machine, the combination of a case shift frame, a platen carrier carried by said case shift frame, a feed rack carried by said platen carrier and shiftable therewith, a dog rocker arranged beneath said platen carrier where it is accessible from the bottom of the machine, said dog rocker being shiftable with said case



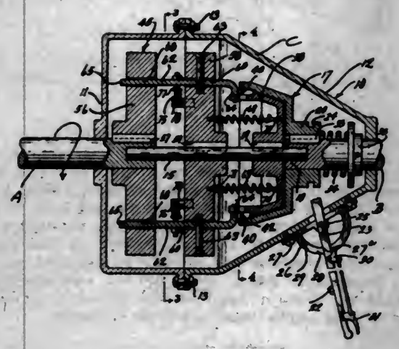
shift frame and feed rack, and a universal bar shiftable with said case shift frame and operatively connected with said dog rocker.

1,484,220. MULTIPHASE TRANSLATING DEVICE. K. R. INAMUOTILA, Helsingfors, Finland. Filed Jan. 31, 1921. Serial No. 441,462. 2 Claims. (Cl. 175—294.)



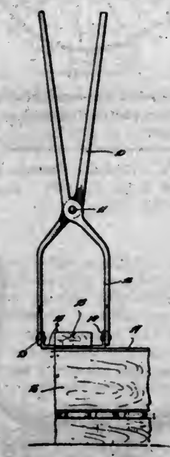
1. In a multi-phase translating device, the combination with a plurality of operating windings, of a plurality of safety devices connected in delta, said operating windings being connected in star through said delta connection of safety devices whereby the operation of any one of said safety devices causes the operation of one or more of the other safety devices.

1,484,221. SAFETY CLUTCH. FLOYD EDSON ISRAEL, Le Roy, Kans. Filed Feb. 11, 1922. Serial No. 535,847. 5 Claims. (Cl. 192—56.)



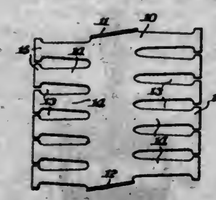
1. In a safety clutch, the combination with a pair of shafts defining drive and driven shafts, a third shaft bearing in said drive and driven shafts, a pawl, means pivotally and resiliently supporting said pawl on the third shaft, a clutch part on one of said pair of shafts, a second clutch part mounted on the third mentioned shaft, means normally forcing said second clutch part into engagement with said pawl, and means on the second of said pair of shafts for engaging said pawl whereby upon overload on the driven shaft, the pawl will be swung to release the second clutch part from engagement with the first clutch part to release a driving connection between the drive and driven shafts.

1,484,222. CLEAT REMOVER. WALTER RALEIGH KIGHTLINGER, Parsons, Kans. Filed July 19, 1922. Serial No. 576,133. 2 Claims. (Cl. 294—118.)



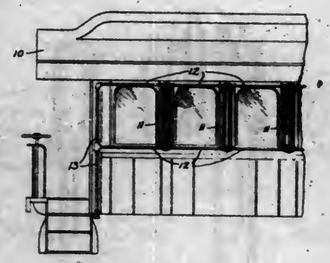
1. A cleat puller comprising a pair of tongs including two Z-shaped shanks each providing a handle portion, and a jaw portion hinged together at the bend adjacent the handle portion, and an L-bar rigidly secured to the free end of each of said jaw portions and having greater length than the same, the thin opposing ledges of said bars constituting gripping elements.

1,484,223. PROCESS OF MAKING PRESSED-STEEL WHEELS. JOSEPH LEDWINKA, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Feb. 21, 1917, Serial No. 150,084. Divided and this application filed Aug. 16, 1921. Serial No. 492,767. 7 Claims. (Cl. 29—174.)



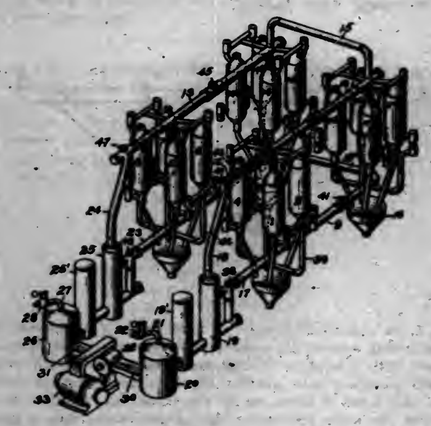
1. In the manufacture of pressed steel wheels, the process which comprises stamping out a sheet metal blank to form a central body portion and spoke portions on opposite sides of the body portion, rolling the stamped blank into the form of a tube, expanding the end of the bore of the tube adjacent one edge of the body portion, and bending outwardly the spoke portions.

1,484,224. DUST AND CINDER TRAP. CHARLES I. LENIG, Danville, Pa. Filed May 10, 1923. Serial No. 638,031. 5 Claims. (Cl. 98—21.)



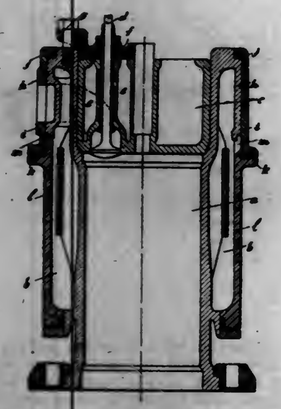
8. The combination with a vehicle having side windows, of a series of dust and cinder traps adjacent the sides of the windows, each of said traps being hollow and substantially semi-circular in cross section, conduits connecting the traps and leading to the ends of the car, and slidable means for closing either side of the trap and at the same time opening the other side.

1,484,225. METHOD OF PRODUCING GAS. CARL LUNDIN, Pittsburgh, Pa. Filed Jan. 18, 1922. Serial No. 530,129. 8 Claims. (Cl. 48—210.)



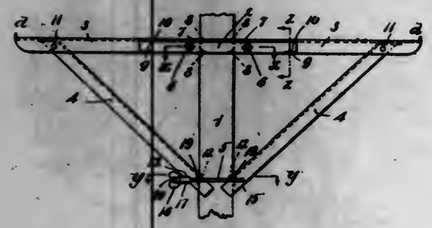
5. The method of producing a gas rich in carbon monoxid and hydrogen and substantially free of nitrogen, which consists in producing gases by distilling carbonaceous material out of contact with air, furnishing oxygen to said gases and generating heat by passing the same in a plurality of divided streams into contact with a metallic oxid, passing the hot gases into contact with carbonaceous material and subsequently through an excess heat-absorbing chamber, and periodically reversing the direction of flow of the gases whereby the heat of oxidation is utilized for distilling the carbonaceous material without the necessity of applying external heat.

1,484,226. CYLINDER CONSTRUCTION OF INTERNAL-COMBUSTION ENGINES. OLIVER MARGETSON, London, England. Filed July 3, 1923. Serial No. 649,313. 3 Claims. (Cl. 74—108.)



1. A cylinder construction for internal combustion engines in which the outer or exposed walls of the water jackets or pockets are supported or constituted by castings or shrouds of steel.

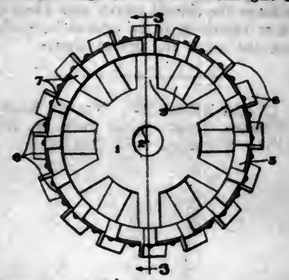
1,484,227. SCAFFOLD BRACKET. DONALD M. MARTIN, Winthrop, Mass. Filed May 9, 1919. Serial No. 295,870. 7 Claims. (Cl. 304—33.)



1. In a scaffold bracket a main beam, two oppositely extending supporting arms pivoted thereto so as to contact with a scaffold bracket on opposite sides with each arm engaging said upright so that the thrust of each of said arms is taken up by the thrust of the other arm when the arms are swung into operative position, a pair of struts pivotally connected therewith, each strut being provided with a spur adapted to form a biting contact with the scaffold upright and means for firmly effecting said contact with said scaffold upright.

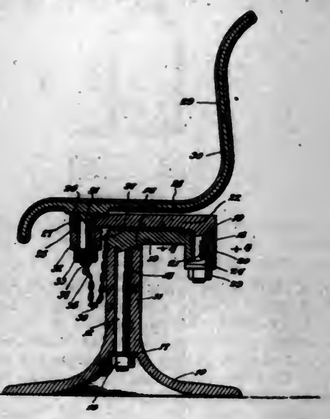
1,484,228. WHEEL. JUAN B. MATTESON, Jefferson, Iowa. Filed June 2, 1922. Serial No. 565,284. 1 Claim. (Cl. 301—52.)

A metal traction wheel including sides comprising outwardly bulged disks having their peripheries formed with spaced flat spokes disposed at approximately the same curvature as that of the disks but having their ends straight, the spokes on one of the disks passing between two of the spokes on the adjacent disk, said disks having their peripheral portions between the spokes in contacting engagement, angle rings to which the straight ends of the



respective series of spokes are connected, and transversely arranged calk carrying plates disposed angularly over and secured to the rings.

1,484,229. SWIVEL CHAIR. GEORGE B. MILES, Washington, Ill. Filed Sept. 8, 1922. Serial No. 586,903. 3 Claims. (Cl. 155—95.)



1. The combination of a relatively stationary pedestal, a jointed support pivotally mounted on the pedestal with its joint normally at the rear of the pedestal and its free end normally in front of the pedestal, and a seat having a pivot on its under side near its front edge engaged in the free end of the jointed support.

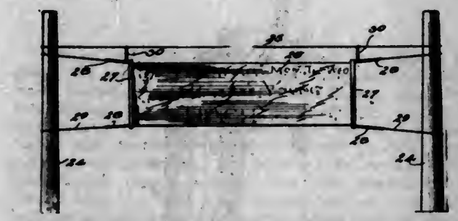
1,484,230. PAINTBRUSH. JOSHUA KING NORTHRUP, Ellicottville, N. Y. Filed July 18, 1922. Serial No. 575,845. 2 Claims. (Cl. 15—169.)



1. A paint brush of the character described comprising a stock provided with a laterally elongated socket at one side and an integral handle extending from its opposite side, said handle having a longitudinal bore opening into said socket, a bristle-unit adjustable lengthwise in said socket to increase or diminish the effective length

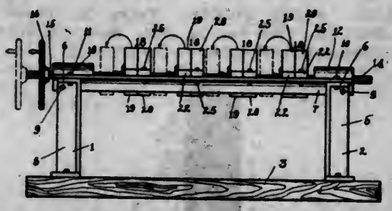
of the bristles, said unit including a substantially flat transverse bristle-attaching head having a screw bolt extending through said handle bore, backing means interposed between the butt end of the bristle-unit and the bottom of the socket and forming a seal for preventing the paint from working through the handle bore, said backing means being compressible and detachable from said handle-socket, and means applied to the end of said screw bolt for clamping the bristle-unit in place.

1,484,231. SIGN SUPPORTING AND SUSPENDING MEANS. VENO L. PISTOCCO, Wichita Falls, Tex. Filed Dec. 11, 1922. Serial No. 606,132. 4 Claims. (Cl. 40—128.)



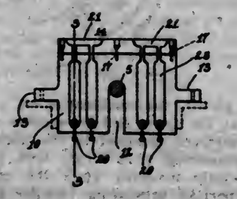
1. In combination, a sign member, a pair of supports between which the sign member may be disposed, distensible connections between the side ends of the sign member and their associated support, a third and yieldable support disposed above the sign member and contiguous thereto, and a distensible connection between the upper corners of the sign and said yieldable support.

1,484,232. MOLDING MACHINE. JOHN J. PLESSMAN, Oakland, Calif., assignor of one-half to Alfred Johnson, Oakland, Calif. Filed Nov. 8, 1921. Serial No. 513,634. 10 Claims. (Cl. 22—153.)



1. In a molding machine, a series of molds, each comprising two members, one member of each mold being stationary and the other being movable, a shaft to which the movable member of each mold of said series is individually yieldably connected, and operating means on said shaft for moving it to cause said movable mold members to move against or away from the stationary members to respectively open or close the mold.

1,484,233. MOLD. JOHN J. PLESSMAN, Oakland, Calif. Filed Aug. 14, 1922. Serial No. 581,658. 9 Claims. (Cl. 22—153.)



1. In a molding machine, a pair of mold sections formed respectively with coinciding slots extending upwardly from their lower edges, and a shaft extending through adjacent slots at the upper ends thereof and connected to one of said sections.

1,484,234. MEANS FOR ATTACHING LABELS TO SPOOLS OR OTHER ARTICLES. WILLIAM A. PRENTISS, Holyoke, Mass. Filed Apr. 28, 1923. Serial No. 635,342. 6 Claims. (Cl. 40—2.)



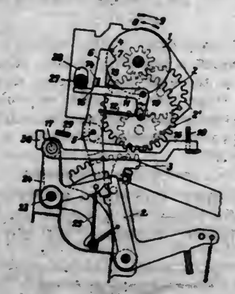
2. A label for the purpose described, comprising an elastic member, as cardboard or the like, having a radial slit cut therein, whereby the disk may be formed into a cone shaped position for insertion into an annular channelway, as described.

1,484,235. MIXING DEVICE. ERNEST RABA, Pawnee, Okla. Filed July 12, 1923. Serial No. 651,102. 1 Claim. (Cl. 48—180.)



In a mixing device, a pair of plates placed together adapted to be inserted in the passage leading from the carbureter to the manifold, each radially slitted from its centre to form tongues and having the tongues so formed inclined in a direction towards the manifold, the tongues being each bent into trough shape along the line midway between its edges, the central lines of the tongues of one plate being in line with the spaces between the tongues of the other plate.

1,484,236. TRANSFER MECHANISM FOR CALCULATING MACHINES. FRANZ RAUCHWETTER, deceased, late of Berlin, Germany, by Anna Rauchwetter, née Böhme, administratrix, Berlin-Friedenau, Germany, Alfred Flater, present administrator of the estate of said Franz Rauchwetter, deceased. Filed May 19, 1921. Serial No. 471,014. 6 Claims. (Cl. 235—133.)



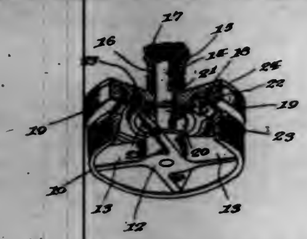
1. Transfer-mechanism for calculating machines, comprising, in combination; a switching-gear having toothed segments; a counting mechanism adapted to be lifted and lowered and having its cog-wheels in their lower position mesh with said segments; racks located below said cog-wheels; coaxial pivots supporting said racks at their one end; bell-crank levers supported upon pivots of the machine frame and supporting in their turn said coaxial pivots; supporting levers for said counting mechanism; and a common supporting rail coupled with the said racks at their other ends and being adapted to lift and lower them, substantially as described.

1,484,237. ADDING MACHINE. FRANZ RAUCHWETTER, deceased, late of Berlin, Germany, by Anna Rauchwetter, née Böhme, administratrix, Berlin-Friedenau, Germany, Alfred Flater, present administrator of the estate of said Franz Rauchwetter, deceased. Filed May 19, 1921. Serial No. 471,015. 6 Claims. (Cl. 235—60.)



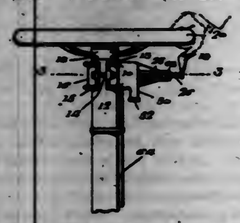
1. In an adding machine, the combination, with number keys; operating gearings having toothed segments; operating bars adapted to control said gearings; and angularly shaped levers adapted to be preliminarily adjusted by said keys and to limit the path of said bars, said levers having three members and being adapted to oscillate upon pivots and being coupled with said number-keys; locking rails adapted to be controlled by the machine shaft and to co-operate with two of the members of said angularly shaped levers; pawls attached to said rails; and said operating rails, having abutments provided on them at different distances, and being adapted to co-operate with said toothed segments, for the purpose as described.

1,484,238. REVERSIBLE PUMP VALVE. GEORGE E. R. ROTHENBUCHER, Chicago, Ill. Filed May 21, 1921. Serial No. 471,355. 4 Claims. (Cl. 251—145.)



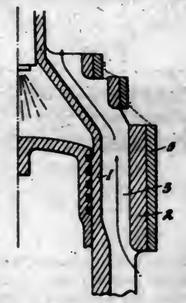
1. A valve comprising a disk having an annular rib on one side which is threaded on both sides, facing rings on said side of the disk, and securing rings for carrying said facing rings, one of said securing rings being threaded internally to screw on the outside of the rib, and the other ring threaded externally to screw on the inside of the rib.

1,484,239. LIGHT-CONTROL SWITCH. WALTER J. SPIRO, White Plains, N. Y. Filed Apr. 7, 1920. Serial No. 372,062. 7 Claims. (Cl. 200—59.)



1. In a control switch, the combination with a steering post and wheel, of a stationary switch casing mounted upon the post and provided with a lever having a plurality of operating positions and disposed to travel in substantially the circumferential path of the hand hold of the wheel and spaced therefrom for actuation in all positions by a depending finger of an operator's hand resting in normal position upon said hand hold.

1,484,240. CONSTRUCTION OF INTERNAL-COMBUSTION-ENGINE CYLINDERS. WILLIAM JOSEPH STILL, London, England. Filed May 28, 1923. Serial No. 641,986. 2 Claims. (Cl. 74—108.)



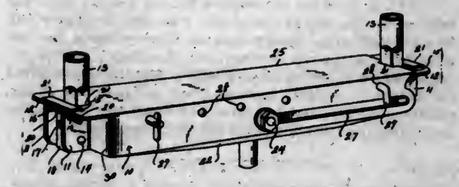
1. A cylinder for internal combustion engines comprising a simple casting having a thin inner wall and a thicker outer wall the inner and outer walls being integrally connected by partitions the spaces between which form passages for the circulation of the cooling water or other fluid.

1,484,241. FRUIT PICKER. FRANK M. TOMPKINS, Duffield, Va. Filed Nov. 16, 1921. Serial No. 515,601. 4 Claims. (Cl. 56—334.)



1. A fruit picker, the combination of a tubular casing adapted at its upper end to encircle a fruit to be harvested, a stripper mounted in the upper end of the casing and consisting of a single wire strand having its ends pivotally mounted upon the casing and its intermediate portion presenting parallel spaced fingers, means carried by the casing for yieldably holding the stripper in a lowered position with its fingers extending across the casing and manually operable means mounted on the casing for withdrawing the stripper from across the casing.

1,484,242. BOLSTER. ELMER O. VEBRAATEN, Vang, N. Dak. Filed Apr. 21, 1923. Serial No. 633,663. 7 Claims. (Cl. 280—144.)



1. In an extensible bolster, a bolster body having a guide bolt extending therethrough approximately centrally thereof, a pair of channel iron frames, one slidably fitting the bolster and longitudinally shiftable thereon and the other slidably fitting the first named frame, said frames having slots therein receiving the ends of said guide bolt, said bolster body having openings formed therein adjacent the ends thereof, said frames being provided with aligned pairs of longitudinally spaced openings selectively alignable with the openings of the bolster body and retaining pins adapted for extension through aligned openings of the frames and body.

2. In a bolster, a stake mounting comprising a pair of vertically disposed spaced flanges extending outwardly from the ends of the bolster and between which the stake is pivotally mounted and swingable to operative and inoperative positions, horizontal flanges connected with the upper ends of the vertical flanges and extending in opposite directions therefrom and having slots therein, and a plate slidable upon the stake having portions engageable in said slots when the stake is in vertical position.

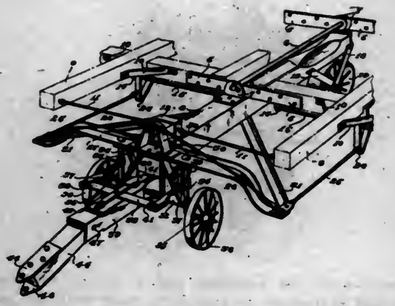
1,484,243. ELECTRODE FOR LIQUID RESISTANCES. RUDOLF FREIHERR VON BROCKDORFF, Munich, Germany. Filed Mar. 28, 1921. Serial No. 456,127. 8 Claims. (Cl. 219—40.)



1. An immersion electrode for liquid resistances comprising in combination, a pair of vertically spaced conducting rings, and a plurality of conducting rods supported between and electrically connected to said rings, said rods and rings forming a cage whereby liquid being heated will flow upward through the lower ring and radially outward between the rods.

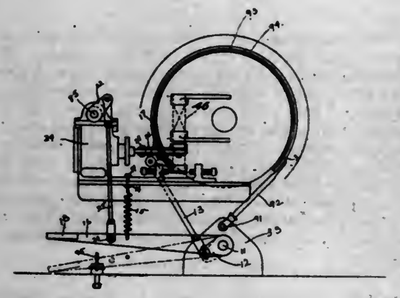
1,484,244. PLANTER. ALBERT R. WARK, Rexford, Kans. Filed May 16, 1922. Serial No. 561,408. 4 Claims. (Cl. 111—54.)

1. The combination of a pair of axially alined planters, wheels supporting the outer ends of the planters, a draft tongue disposed below the inner ends of the planters, auxiliary tongues fixed to and projecting forwardly from the planters, a pivotal connection between the inner ends of the planters and the main draft tongue whereby the inner ends of the planters will be supported by the main draft tongue for free relative movement, flexible



connections between the front ends of the main tongue and the front ends of the auxiliary tongues, and wheeled supports for the main draft tongue.

1,484,245. POWER SHOVEL HOISTING MECHANISM CONTROLLING MEANS. CHARLES A. WEBER, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Oct. 3, 1921. Serial No. 504,995. 6 Claims. (Cl. 192—12.)

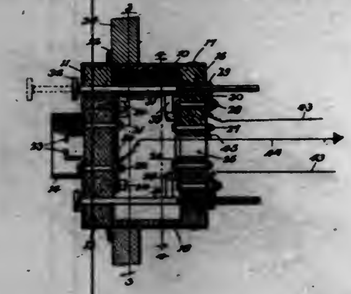


1. In combination, a hoisting mechanism comprising a hoisting drum, a source of power, a clutch, said clutch when operated adapted to cause the rotation of the said drum by the said source of power, a foot operated lever, a brake, said brake adapted to oppose the rotation of the said drum, a source of fluid pressure, a cylinder, a piston, a piston rod, and mechanical link connections between the said piston rod and the said clutch, means to admit fluid under pressure from the said source of pressure to the cylinder on either side of the said piston, said foot operated lever being adapted to control the flow of fluid pressure to the said cylinder and other link connections between the said lever and the said brake, whereby the lever controls the operation of the said brake.

1,484,246. SPARK INDICATOR. LEONARD ZIEGLER, Nutley, N. J. Filed Dec. 21, 1921. Serial No. 523,909. 8 Claims. (Cl. 175—183.)

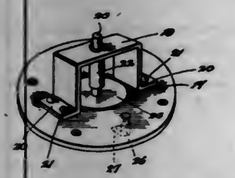
4. A spark indicator including spaced blocks, a switch plate carried by each of said blocks, a terminal upon one of the blocks, a sleeve extending through said block and

provided at one end with a plate engaged by said terminal securing the sleeve upon the block, the sleeve being in



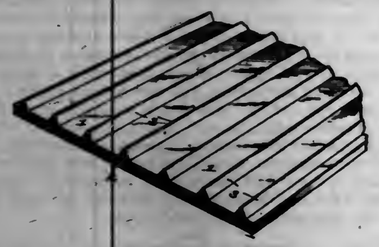
circuit with the terminal, and a switch rod slidable through said sleeve to selectively coact with the switch plates.

1,484,247. ATTACHMENT FOR MIXING CHAMBERS. JOHN HERMAN AHLERS, Pender, Nebr. Filed Apr. 18, 1922. Serial No. 555,498. 3 Claims. (Cl. 123—142.)



3. The combination with a mixing chamber open at its upper end and provided with a lateral inlet nipple and at the bottom thereof with an outlet nipple, and an air valve guide fitting in the chamber and removable at the upper end thereof, of a plate secured to the upper end of the chamber closing the chamber, stops depending from the plate and provided at their lower ends with laterally directed lugs overhanging the upper edge of the valve guide securing the guide against upward displacement, the plate being provided with a vent opening, a yoke upstanding from the plate straddling said opening, and a vent valve sustained by said yoke normally closing said opening.

1,484,248. CONVEYER. DAVID L. AUSTIN, Honolulu, Territory of Hawaii, assignor to Theo. H. Davies & Co., Ltd., San Francisco, Calif., a Firm. Filed Mar. 6, 1922. Serial No. 541,401. 1 Claim. (Cl. 198—193.)

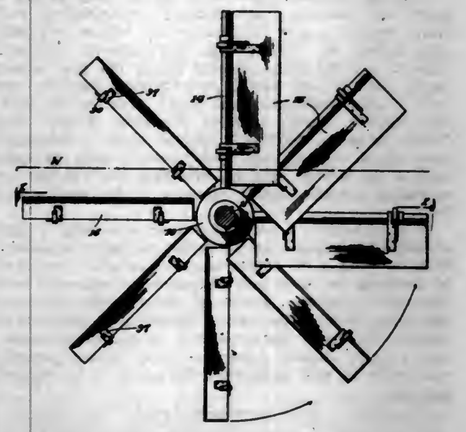


A conveyer belt for fruit slices, comprising a relatively flat body, the outer face whereof has a series of inverted V-shaped ribs extending lengthwise thereof in parallel relation, the ribs being spaced a distance apart materially greater than the height of the ribs so that one may pass his fingers inwardly between the ribs and beneath the fruit slice which may rest thereon.

1,484,249. MANUFACTURE OF ALKYL COMPOUNDS. WALTER BADER, Spondon, near Derby, England, assignor to Dr. Henry Dreyfus, London, England. Filed Oct. 13, 1921. Serial No. 507,577. 10 Claims. (Cl. 260—98.)

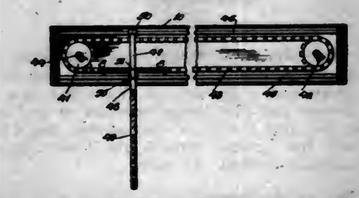
1. In a process for the manufacture of neutral alkyl sulfate, subjecting liquid containing free alkyl hydrogen sulfate to distillation under reduced pressure in a manner whereby at any given moment only that small part of the liquid which is actually undergoing distillation is under the influence of heat, and removing the products of distillation quickly and continuously from the distillation point and from contact with the distilling liquid.

1,484,250. WATER WHEEL. JAMES L. BARNES, Fostoria, Ohio. Filed Aug. 15, 1922. Serial No. 582,007. 1 Claim. (Cl. 170—110.)



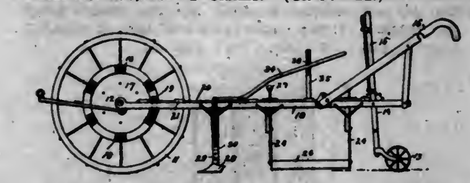
A water wheel comprising a hub, spokes radiating from the hub, pairs of wings having hinge members engaged with the spokes, and segmental brackets secured upon the spokes between adjacent hinge members, said brackets being provided in their opposed sides with pockets extending in opposite directions from the central radius of the bracket toward the side edge portions thereof and each defining divergent walls projecting into the paths of the hinge members and adjacent portions of the wings to limit the swinging movement of the wings.

1,484,251. WINDSHIELD WIPER. FRANCIS H. BRENNAN, Albany, N. Y. Filed Aug. 20, 1921. Serial No. 493,860. 3 Claims. (Cl. 74—14.)



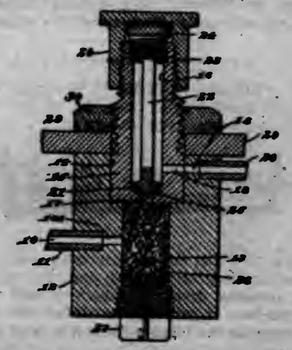
1. A device of the class described comprising a reciprocating element, an actuating member for said element, suitable connection between said element and said actuating member, a casing for said actuating member, a guide for the actuating member, and means in said casing for moving said actuating member along said guide; said means including a motor, an endless chain having pivoted links, one of the link pivots being bifurcated and engaging with said actuating member, and sprocket wheels associated with said motor and supporting said chain.

1,484,252. COTTON CHOPPER. JAMES A. CARY and JESSE C. CARY, Tupelo, Ark. Filed Feb. 11, 1920. Serial No. 357,955. 2 Claims. (Cl. 97—21.)



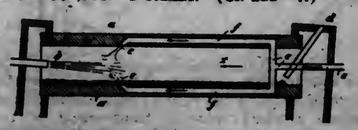
1. A machine of the class described having a wheel-supported frame, a pair of implement-carrying standards, a pivoted connection between each of said standards and the frame on which the standards may move to and from each other, yielding means tending to swing said standards in one direction of their relative movement, and manual means to move them in the opposite direction comprising a hand lever extending longitudinally of the machine, a rod pivotally connected with said lever and extending downwardly therefrom between said standards and links extending between and connecting such standards pivoted together and to the lower end of said rod.

1,484,253. RESTRICTION VALVE. FRANK B. COMINS, Newton, and JOSEPH ARMSTRONG, Malden, Mass., assignors to American Moistening Company, Boston, Mass., a Corporation of Maine. Filed May 28, 1921. Serial No. 473,331. 1 Claim. (Cl. 137—111.)



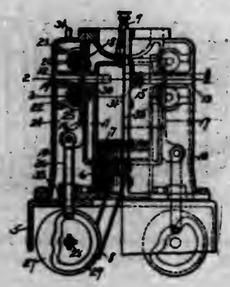
The combination, in a fluid passage, of a filtering chamber; a cylindrical valve chamber with axial openings one of which constitutes the entrance from the filtering chamber, and with a lateral discharge opening; a valve in the valve chamber, comprising a stem having at one end a surface adapted to close abruptly the said entrance except for a channel continuously permitting restricted flow, and having at its other end means removably engaging the sides of the valve chamber, adapted both to close the other axial opening and to support the stem.

1,484,254. PRODUCTION OF CEMENT AND THE LIKE. OTTO DOHMANN, Stettin, Germany. Filed May 25, 1922. Serial No. 563,503. 4 Claims. (Cl. 222—7.)



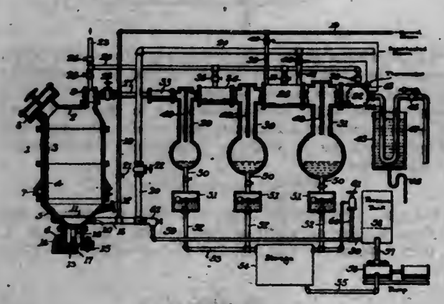
1. The method of producing cement, and more particularly Portland cement, consisting in heating the raw material in a revolving furnace and damming-up or choking the heating gas current in the zone of calcination by a veil of air substantially extending transversely across the furnace.

1,484,255. INTERNAL-COMBUSTION ENGINE. KAY FREDERICK ELLEGARD, Hartford, Conn. Filed July 16, 1920. Serial No. 396,773. 9 Claims. (Cl. 123—75.)



5. An engine including a cylinder, a jacket inclosing said cylinder, a multiple part sleeve valve located between the jacket and cylinder and having a flat bearing surface on one side of each part, said jacket being constructed to be applied to the cylinder from opposite sides thereof, a bearing shaft to engage said flat bearing surface on the valve, and antifriction bearings on the opposite ends of said shaft and removed from said valve.

1,484,256. INTERMITTENT SYSTEM FOR TREATMENT OF COAL. JAMES T. FENTON, Salt Lake City, Utah. Filed Aug. 24, 1922. Serial No. 584,038. 17 Claims. (Cl. 196—19.)



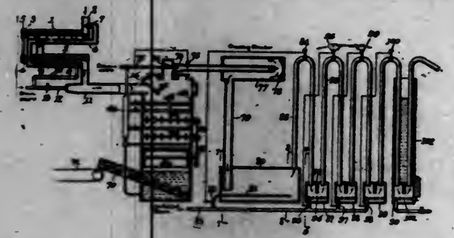
10. Apparatus for the distillation of coal comprising a closed retort, means for supplying superheated steam under pressure thereto, a series of separators, a main vapor pipe leading from the retort and connecting the separators, the separators and pipe being larger as the distance from the retort increases whereby the consequent decrease in pressure produces a relative decrease in temperature, and an auxiliary vapor pipe leading from the retort to the separator.

15. Apparatus for the distillation of coal comprising a retort, a superheated steam line for supplying steam thereto, a pipe for conducting the vapors to a series of separators, means for conducting the condensate to a storage tank, and means for forcing the condensate in the form of spray into the superheated steam line and thence into the retort for further cracking.

1,484,257. CONTINUOUS SYSTEM FOR THE TREATMENT OF COAL. JAMES T. FENTON, Salt Lake City, Utah. Filed Aug. 24, 1922. Serial No. 584,039. 11 Claims. (Cl. 202—6.)

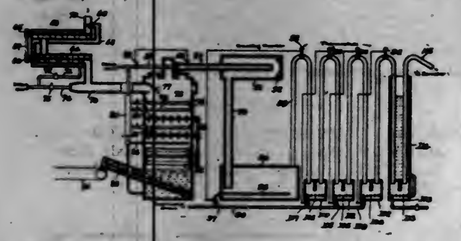
1. Apparatus for the distillation of coal comprising a retort, means for supplying coal thereto continuously, a

plurality of pipes within the retort for admitting superheated steam in the form of jets, a plurality of agitators



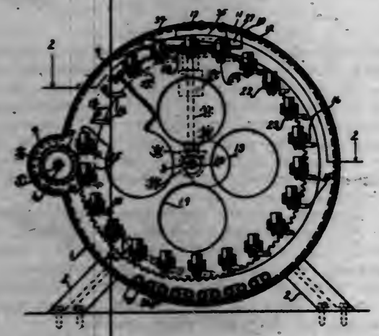
within the retort, withdrawal cylinders and a conveyor for continuously withdrawing the treated coal.

1,484,258. PROCESS FOR THE TREATMENT OF COAL. JAMES T. FENTON, Salt Lake City, Utah. Filed Aug. 24, 1922. Serial No. 584,040. 24 Claims. (Cl. 202—8.)



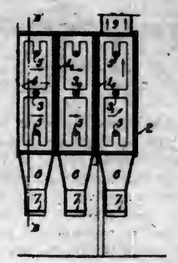
24. A process of manufacturing coke from coal which consists in subjecting it to the action of superheated steam at a temperature of about 1000 degrees F. in a closed retort under such pressure as to thereby remove all smoke producing elements but retain elements that although volatile at a higher temperature are consumed in combustion.

1,484,259. EXHAUST BOX. GEORGE W. FOWLE and FRED F. FELDMANN, San Jose, Calif. Filed Sept. 7, 1922. Serial No. 586,753. 15 Claims. (Cl. 126—272.)



1. A device of the character indicated comprising a supporting frame, a plate revolubly mounted thereon, a second plate revolubly mounted in parallel and eccentric relation to said first plate, a plurality of annularly arranged cranks revolubly mounted in and connecting said plates, and driving means connected to one of said plates.

1,484,260. APPARATUS FOR SUBLIMATION. HARRY D. GIBBS, San Francisco, Calif., by mesne assignments dedicated to the People of the United States for their free use and enjoyment. Filed Jan. 24, 1919. Serial No. 272,902. (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.) 6 Claims. (Cl. 183—11.)



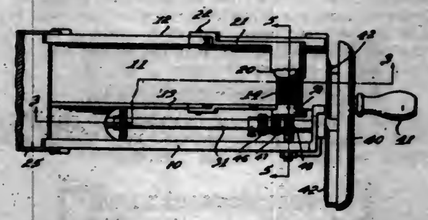
2. In condensing mechanism of the character set forth the combination with a casing, of means for introducing vapors to be condensed into the casing, means for permitting the escape of the residues, screens in the casing between the introducing and escape permitting means, brushes acting against the screens, means for effecting a relative movement between the screens and brushes, and means operating over the bottom between the screens for separately collecting the materials condensed and deposited in the different compartments formed by the screens, and separately discharging the same from the casing.

1,484,261. LABEL HOLDER. WILLIAM GRIESBACH, Greenfield, Mass. Filed Mar. 22, 1923. Serial No. 626,780. 5 Claims. (Cl. 40—16.)



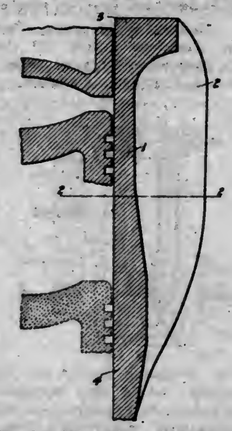
4. A label receiving device comprising a member having a U-shaped channel for receiving and retaining the label, a spring actuated device attached to said member in parallel relation thereto for retaining the member in place by engaging the inner sides of a door of a container.

1,484,262. CUTTING MACHINE. JOSEPH I. GRODIN, East Cleveland, Ohio. Filed Apr. 12, 1922. Serial No. 551,754. 9 Claims. (Cl. 107—21.)



2. In combination, an inclined runway, a serrated feed roll mounted beneath the runway and protruding slightly thereabove, a shaft mounted transversely of the feed roll, sets of worms having single, double and triple pitch threads thereon respectively, for operating the worm wheel, a rotary cutter mounted on said shaft adjacent the end of the runway, and means whereby relative movement of the cutter and feed roll may be selectively controlled.

1,484,263. CONSTRUCTION OF INTERNAL-COMBUSTION-ENGINE CYLINDERS. VERNON BALFOUR HARLEY-MASON, Cheam, England. Filed May 7, 1923. Serial No. 637,306. 2 Claims. (Cl. 74—108.)



1. A cylinder for internal combustion engines having that part of its wall which in the operation of the engine is subjected to the higher temperature and pressure stresses formed thin and strengthened by integral ribs connected to thicker parts of the cylinder wall.

1,484,264. FLEXIBLE RELIEF DECORATION. PAUL M. HEERWAGEN, Fayetteville, Ark. Filed Sept. 15, 1922. Serial No. 588,474. 2 Claims. (Cl. 41—24.)



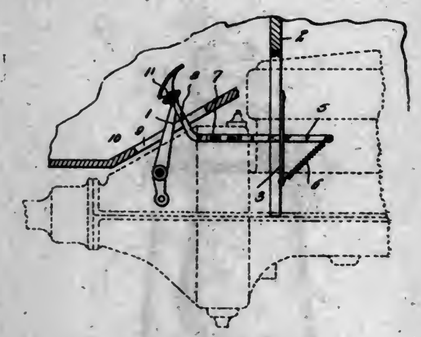
1. A new article of manufacture including a relief decoration member for application to a wall or the like, formed of flexible material having the edge portion disposed laterally to its major portion and defining an open work design composed of a plurality of interconnected design forming elements, said edge portion being continuous and forming a support for the relief portion extending from the central portion to the outer edges, said major relief portion including depressions and projections.

1,484,265. HYDRAULIC JACK. JOHN B. HIRD and JOHN B. HIRD, Jr., Seattle, Wash., assignors, by direct and mesne assignments, to Ideal Machinery Company, a Corporation of Washington. Filed July 20, 1922. Serial No. 576,199. 6 Claims. (Cl. 138—9.)



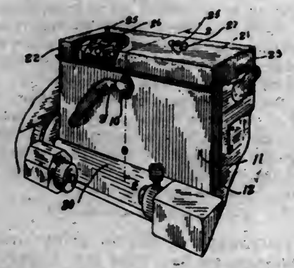
2. A lifting jack embodying a wheel supported frame, hydraulic jack mechanism mounted on the forward end of said frame, lever means on the rear end of said frame for operating said hydraulic jack mechanism and foot operated release means connected with said hydraulic jack mechanism and operable from the rear end of said frame.

1,484,266. CLUTCH-PEDAL MECHANISM FOR AUTOMOBILES. MATHIAS A. HOLTZBAUER, Belmond, Iowa. Filed May 24, 1922. Serial No. 563,356. 1 Claim. (Cl. 74—81.)



The combination with the foot lever of an automobile, of a thrust bar, having one end pivotally connected therewith, a plate supported forwardly of the thrust bar and having a slot thereon, the bar being provided with a V-shaped notch adapted to receive one edge of the plate at predetermined times and a triangular shaped latch element pivoted in the notch adapted to close the notch at times to cause the notch to ride over the plate and a contractile spring having one end secured to the thrust bar and its opposite end connected to the plate.

1,484,267. ENGINE COVER. WILLIAM W. HULL and CHARLES H. HULL, Denver, Colo. Filed Aug. 25, 1923. Serial No. 659,406. 1 Claim. (Cl. 123—90.)

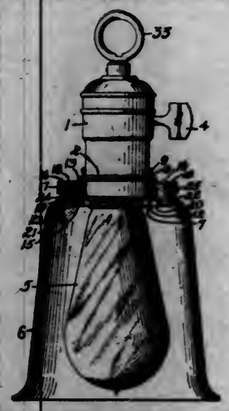


An engine protective cover comprising a section having a side and two end portions, said end portions being bent at right angles to the side, the upper edge of the side and ends being bent downwardly and then upwardly so as to form a gutter, the outer wall of said gutter being lower than the inner wall; and an open boxlike section adapted to cooperate with the first-named section, one side and a portion of each end wall of said boxlike section cooperating with said gutter.

1,484,268. LAMP-SHADE SUPPORT. FRANK J. LIESKE, Detroit, Mich. Filed Mar. 17, 1922. Serial No. 544,532. 2 Claims. (Cl. 240—133.)

1. The combination with an electric light socket having a circumferential bead, of a threaded sheet metal member having a bead at the upper edge and adapted to be sprung over the bead of the socket, a second threaded member for contracting and maintaining the first member on the socket, said second member having a knurled bead providing a shoulder at the upper end, an

annular member threaded on said second member seating against the head and having a lateral flange and a peripheral depending flange, and an additional annular



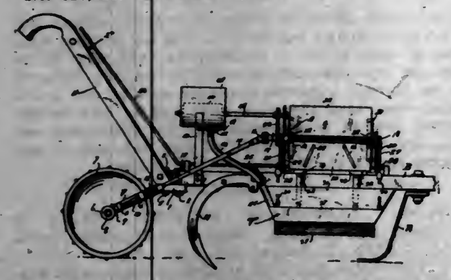
member threaded on the last named annular member and having a lateral flange, the said flanges providing a means for supporting a lamp shade.

1,484,269. METHOD AND ARRANGEMENT FOR PRODUCING NONDAMPED OSCILLATIONS. EMIL MAUER, Charlottenburg, Germany. Filed June 21, 1923. Serial No. 646,098. 4 Claims. (Cl. 250—36.)



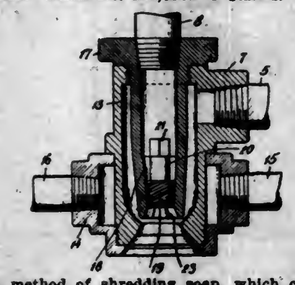
1. The method of operating an apparatus for the production of continuous oscillations of the type in which a charging circuit is connected to an oscillatory circuit and is periodically short-circuited by an interrupter, said method comprising the adjustment of the point of short-circuit to occur at the instant when the current in the charging circuit becomes equal to and in the opposite direction to the initial value of the oscillatory current, with respect to the short-circuit through the interrupter, and adjusting the point of the interruption of the short-circuit to occur at the instant when the oscillatory current through the interrupter becomes equal and opposite to the current from the charging circuit.

1,484,270. BOLL WEEVIL ERADICATOR. GEORGE W. MOBLEY, Waynesboro, Ga. Filed Feb. 5, 1923. Serial No. 617,028. 2 Claims. (Cl. 43—142.)



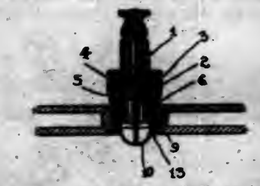
1. A machine of the class described comprising a beam, a trough positioned therebelow, upstanding arms carried by the trough, guide brackets carried by the beam through which the arms are slidably disposed, a rock arm carried by the beam, an operative connection between the rock arm and trough for vertically adjusting the trough, a brushing medium carried by the beam, said brackets being adjustable toward or from the beam, and means for holding the brackets in a fixed position.

1,484,271. PROCESS AND APPARATUS FOR SHREDDING SOAP. SAMUEL B. MURDOCK, Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1919. Serial No. 322,695. 8 Claims. (Cl. 87—16.)



1. A method of shredding soap, which consists in directing an expanding jet of high pressure superheated steam against a moving film or stream of molten soap, in a direction substantially transverse to the direction of movement of the stream but inclining in such direction whereby to seperate irregular shreds of soap from the stream.

1,484,272. SPARK PLUG. AUGUST W. OFELDT, West Hoboken, N. J. Filed Oct. 24, 1921. Serial No. 510,120. 2 Claims. (Cl. 123—169.)



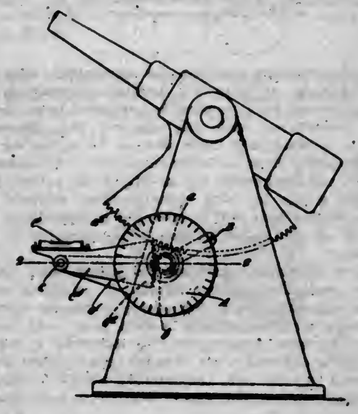
1. A spark plug comprising a shell, an insulation member therein having a recess in its forward portion, a central electrode carried by the insulation member and extending out through the recess, an apertured cap electrode in spark gap relation with the central electrode, and a sleeve disposed concentrically between the recessed portion of the insulation member and the shell, the sleeve having external end flanges which coact with the shell in the provision of an annular air space, to prevent heat radiation and thereby maintain a high temperature within and about the insulation member.

1,484,273. ELEVATOR DOOR. ROBERT S. PEELLE, Hollis, N. Y., assignor to The Peelle Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1920. Serial No. 363,530. 4 Claims. (Cl. 189—46.)



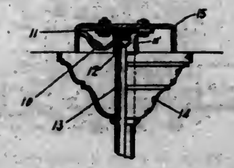
1. An elevator door embodying therein a metal frame, a metal sheathed wooden panel, a bolt passing through said metal frame and said panel, and a nut having a body portion imbedded in the wood of said panel, and an enlarged head bearing upon the surface thereof, whereby the wooden portion of the panel is compressed about said body portion and the metal sheathing of the panel is deformed by and interposed between a portion of said body portion of the nut and the wood of the door.

1,484,274. LEVEL-CORRECTION DEVICE FOR ORDNANCE. ARTHUR LEONARD PERHAM, East Moseley, England, assignor to Vickers Limited, Westminster, London, England. Filed June 8, 1923. Serial No. 644,118. 13 Claims. (Cl. 33—48.)



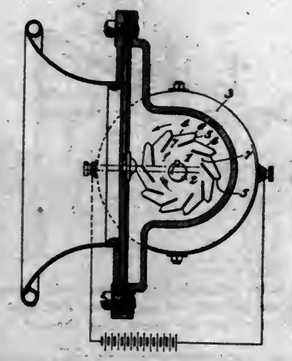
1. A level correction device for ordnance, comprising in combination a member by which the gun is laid, a levelling element and a connection between said member and said element operating to adjust said member to compensate for the error due to the tilt of the training axis of the gun.

1,484,276. MOUNTING DEVICE FOR LIGHTING FIXTURES. JOHN K. RIDDLE, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio. Filed Oct. 17, 1923. Serial No. 669,084. 2 Claims. (Cl. 240—85.)



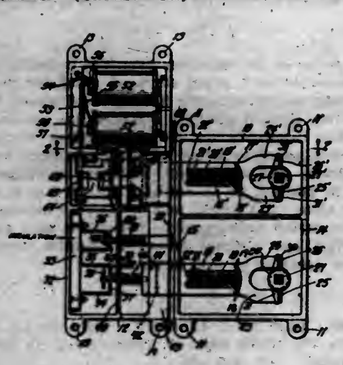
1. An article of manufacture comprising a fixture mounting, a hickey having a central cylindrical tube, a plurality of lugs extending radially from one end of said tube there being a hole through each of said lugs, internal threads in one end of said tube and internal threads in the other end of the tube, two of the lugs being spaced apart and an open slot extending through the wall of said cylindrical tube between the spaced lugs.

1,484,276. CAM-ACTUATED DIAPHRAGM HORN. SAMUEL W. RUSHMORE, Plainfield, N. J. Original application filed Dec. 28, 1921, Serial No. 525,358. Divided and this application filed Feb. 9, 1922. Serial No. 535,122. 4 Claims. (Cl. 116—144.)



2. The cam specified by claim 1 and wherein the cam faces are planes and the slots extend inward from near the faces of the rear faces of the teeth.

1,484,277. ELECTRIC AUTOMATIC DOOR-LOCKING SYSTEM. JACOB D. SCHAKEL and JOSEPH RICE, Chicago, Ill., assignors to Elevator Company of America, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,752. 16 Claims. (Cl. 187—31.)

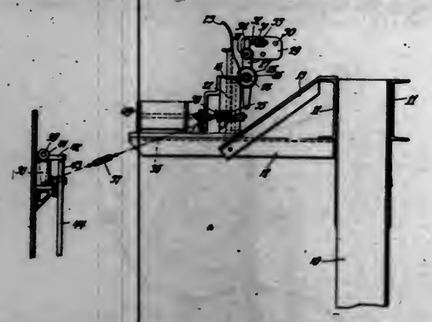


8. A locking system for elevator doors comprising a lock electrically operated to unlock the same, a source of current and control means interposed between said lock and source of current, said means comprising switching mechanism controlled by the position of the elevator car, switching mechanism controlled by the controlling mechanism of said elevator car and manually operated switching mechanism, said lock being provided with a manually operated emergency unlocking device.

1,484,278. ELEVATOR-DOOR-LOCKING DEVICE. JACOB D. SCHAKEL, Chicago, Ill., assignor to Elevator Company of America, Chicago, Ill., a Corporation of Illinois. Filed Nov. 6, 1922. Serial No. 599,374. 10 Claims. (Cl. 187—31.)

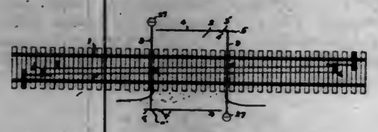
5. In an elevator door lock, a member engaging the door to lock the same against movement, and means for moving said member out of locking position, comprising a pivoted lever carried by the elevator, a roller operatively connected with said member mounted in the ele-

vator shaft, a solenoid for holding said lever out of roller engaging position when the elevator operating current is on, and means for swinging said lever about its



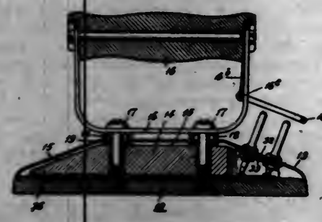
pivot into roller engaging position, said solenoid and means being on one side of said pivot and said lever engaging said roller on the other side thereof.

1,484,279. GUARD FOR RAILWAY CROSSINGS. FRANK J. SCHLUETER and MANUEL LOZANO, Houston, Tex.; said Lozano assignor of one-fifth of his right to said Schlueter. Filed Oct. 23, 1922. Serial No. 596,477. 6 Claims. (Cl. 246—293.)



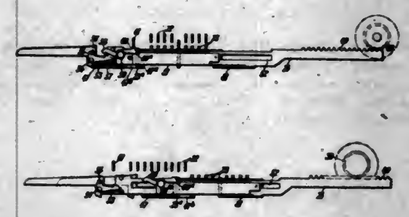
1. A device of the character described including a pivotally mounted road guard arranged alongside the railway track, means normally holding said guard in approximately vertical position, a mechanism connected to said means through which the same may be released to permit said guard to swing into approximately horizontal position, said mechanism including a member arranged in position to be actuated by the truck wheels passing along said track, and to thereby release said means to permit said guard to swing into said horizontal position, and a signal device in operative connection with and actuated by said mechanism.

1,484,280. ELECTRIC SADIRON. OTTO SPAHR, Philadelphia, Pa. Filed Sept. 27, 1922. Serial No. 590,790. 21 Claims. (Cl. 219—25.)



1. An electric iron comprising a body, a heating element therein, a pair of terminals connected with said heating element whereby the latter is connected with a source of electricity, said terminals being located in line with each other along the major longitudinal axis of the iron and thereby interposing a resistance against unintentional removal of the connecting plug due to pulling strains upon the wire whereby said plug and iron are connected with a source of electricity.

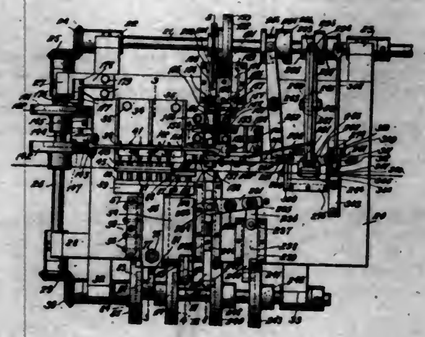
1,484,281. COMBINED TYPEWRITING AND COMPUTING MACHINE. ANDREW W. STEIGER, Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1920. Serial No. 427,289. 81 Claims. (Cl. 235—60.)



3. In a computing machine, the combination with computing wheels, of bars for severally actuating said wheels, numeral keys, numeral-key-operated index devices set in accordance with the numeral keys depressed, means to actuate said index devices for actuating said wheel-actuating bars in accordance with the index devices set, and mechanism for modifying the action of the actuating means for said index devices, whereby said wheel-actuating bars will be actuated in accordance with a setting of said index devices complementary to that established.

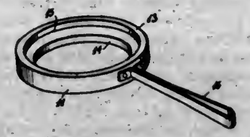
8. In a computing machine, the combination with a register, including register wheels, of actuating means for said register wheels, comprising a general operator and means for transmitting motion from said general operator to said register wheels, including a register bar, a frame carrying a set of index pins slidably mounted on said register bar, and latching means for holding said frame against movement relative to said register bar.

1,484,282. MACHINE FOR MAKING METAL ARTICLES. HAROLD S. WEBBER, New York, N. Y., assignor to Cross Metal Products Company, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1919. Serial No. 290,690. 16 Claims. (Cl. 79—3.)



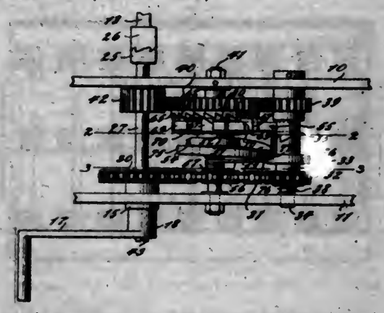
1. A machine for making metal articles comprising means for feeding strips of stock from which the articles are to be made through the machine, means for initially forming heads upon the articles while still in the strip, punching means to remove the headed articles from the strip and having means associated therewith for rolling the rims of the articles, rotary means adapted to subsequently receive the headed and rim-rolled articles and for rotating the same, and means to engage the inner portions of the necks of the heads during the rotating operation to reduce such necks.

1,484,283. METHOD OF AND APPARATUS FOR FINISHING STRAW HATS. OSCAR WIEDEMAN, Narberth, Pa. Filed June 3, 1921. Serial No. 474,706. 14 Claims. (Cl. 223—31.)



1. The method of finishing stiff straw hats after they have been shaped and pressed which comprises raising the braid which has been crushed in the pressing by steaming the outer surface of the hat with a portion of the surface covered to protect it from direct access of the steam.

1,484,284. STARTING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. BERNARD ZAIKOSKI, New York, N. Y. Filed Apr. 17, 1922. Serial No. 553,681. 11 Claims. (Cl. 123—185.)



1. A starter for internal combustion engines, comprising a force receiving member, a force applying member, a connection between said members including a normally closed clutch, a rotatable member connected with the force applying member, a normally stationary clutch actuating member coaxial with said rotary member and arranged to release said clutch by a backward angular movement, and means adapted to connect said rotatable member with said normally stationary member when said rotary member is turned backwards.

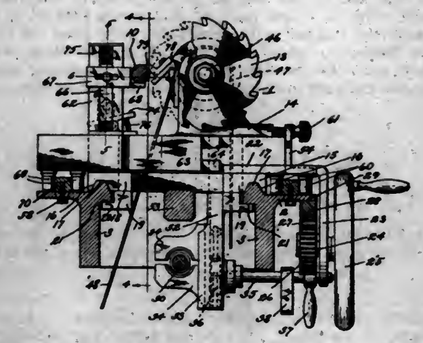
1,484,285. MOCCASIN. DONALD B. ABBOTT, Auburn, Me. Filed Sept. 7, 1922. Serial No. 586,569. 5 Claims. (Cl. 36—47.)



1. A moccasin, the vamp portion of which on its under side has a seam extending longitudinally of the vamp from its rear edge towards the ball portion of the vamp and another seam in front of that first mentioned which extends cross-wise of the vamp.

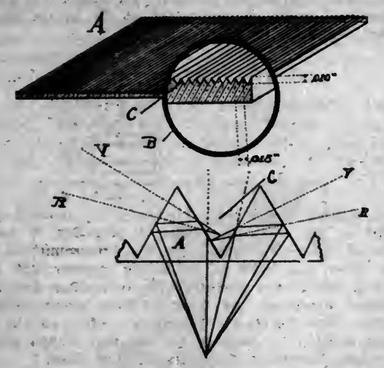
5. A blank for a moccasin vamp having a tapered open portion in the rear part of its under side extending toward the ball portion of the blank and which has two sides of substantially the same length, said blank having also an open portion of general triangular shape forward of the first mentioned open portion, two of whose sides together substantially equal in length the third side of said triangular opening.

1,484,286. WOOD-TURNING LATHE. GEORGE ALBEE, Columbus, Ohio, assignor of one-half to H. W. Unkel, Columbus, Ohio. Filed July 23, 1921. Serial No. 487,116. 1 Claim. (Cl. 142—50.)



In a wood working lathe, a bed, head and tail stocks carried by the bed, a carriage associated with the bed and having a rotary cutter associated therewith, said carriage including a base and top plate and an intermediate plate, said plates being relatively movable, a bar slidable on the intermediate plate and having a work support carried thereby, said support including a finger for engaging the work, a cam carried by the top plate for raising the finger when the bar and cutter are moved toward each other, as and for the purpose set forth.

1,484,287. PRODUCTION OF LIGHT. FRANK H. BAILEY, Cincinnati, Ohio. Filed May 17, 1921. Serial No. 470,469. 4 Claims. (Cl. 240—1.)

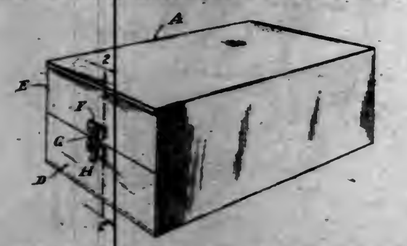


1. A glass for transmission of light, comprising a body of bluish color with a series of fine markings substantially parallel to each other engraved in the surface thereof, for the purpose described.

1,484,288. RECEPTACLE. JOSEPH A. BENEDICT, Chicago, Ill. Filed Jan. 4, 1921. Serial No. 434,968. 1 Claim. (Cl. 220—57.)

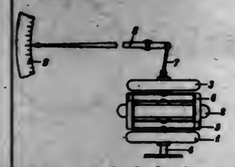
A receptacle having side walls and a top and bottom wall, said receptacle open at one end and said top and bottoms projecting beyond the ends of the side walls, there being a groove in the lower face of the projecting end portion of the top wall, a closure for said open end comprising two plates, one thereof hinged to the projecting end portion of the bottom wall and the other thereof hinged along one edge to the free end of the

first-named plate, the combined length of said plates being such that when flush with each other the free edge of the last-named plate is adapted to engage in said groove, the side edge portions of said plates adapted to abut against the ends of the side walls of said receptacle when in closed position, said plates adapted to be angularly disposed with relation to each other as they are moved to closed position and brought flush with each other as the free end of the second-named plate strikes the ends of the side walls to thereby project said



free end into said groove, and means for maintaining said closure member in said position comprising a latch member pivotally secured to one of said plates, a coacting latch element rigidly mounted on the other plate and adapted to engage the free end portion of said pivoted member as the latter is turned to position spanning the hinge connection between said plates, to thereby coact with said ends of said side walls to prevent relative pivotal movement of said plates and disengagement of said free end of said second plate from said groove.

1,484,289. ANEROID BAROMETER. KURT BENNEWITZ, Charlottenburg, near Berlin, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,941. 1 Claim. (Cl. 73—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



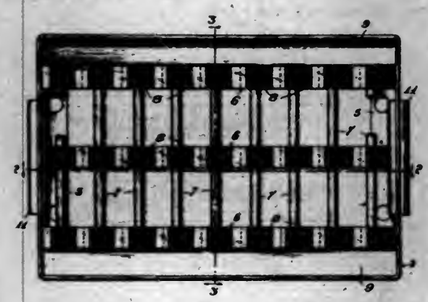
An aneroid barometer particularly for indicating the height of air craft comprising a plurality of aneroid boxes of different elastic properties interconnected with each other and with an indicating member, the boxes forming two groups operating the indicating member in opposite directions, the boxes of each group being so selected that the elastic deformation effect on the indicating member is different for the two groups whereas the elastic inertia effects neutralize each other.

1,484,290. VALVE OR GAS COCK. FRED W. BIRTCH, Laporte, Ind., assignor to Bastian-Morley Co., Laporte, Ind., a Corporation of Indiana. Filed Oct. 19, 1922. Serial No. 595,019. 4 Claims. (Cl. 67—121.)



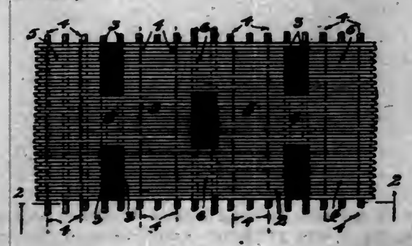
1. In a gas regulating valve, the combination of a casing, a valve arranged in the casing, said casing being provided with an extension having a passage controlled by said valve, the end of the extension being provided with a plurality of separated, substantially parallel fingers, one end of each of said fingers being connected together and terminating in a conical shaped end portion, the conical shaped end portion being formed to provide a gap between said fingers, which extends to a point within the diameter of said passage and said end portion, having an aperture which is arranged in substantial alignment with said valve controlled passage, said extension being threaded, a thimble arranged upon the threaded portion, said thimble being adjustable and in spaced relation to the extension, an aperture provided in said thimble, said last mentioned aperture being arranged to cooperate with the conical shaped end portion of the extension to regulate the flow of gas through the aperture in said thimble.

1,484,291. DISH-HOLDING BASKET. GEORGE S. BLAKESLEE, Chicago, Ill. Filed July 25, 1919. Serial No. 313,307. 4 Claims. (Cl. 141—9.)



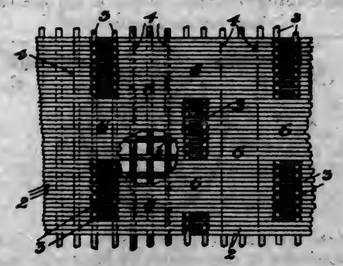
1. A dish-holding basket for use in dish washing machines comprising a rectangular metal frame, a plurality of narrow strips disposed on edge therein parallel with and spaced apart from each other, said strips having alined V-shaped notches in their upper margins, and a plurality of transverse rods connecting said strips above the lower margins thereof.

1,484,292. TEXTILE FABRIC. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 631,177. 4 Claims. (Cl. 139—391.)



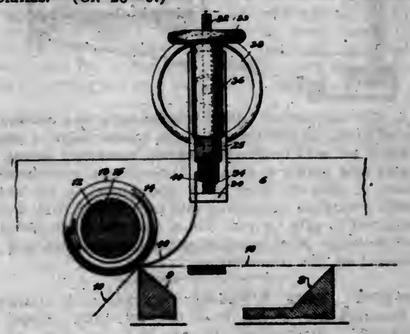
1. A textile fabric comprising a woven base fabric having a plurality of looped threads secured to it and arranged on its front face, the points of securement of some of said threads to the base fabric being located intermediate of the points of securement of other of said threads, portions of said looped threads being adapted to form pile areas and other portions of said threads being adapted to be cut between their points of attachment to the base fabric and removed to render visible portions of the base fabric located between the pile areas.

1,484,293. PROCESS OF MAKING ORNAMENTAL PILE FABRICS. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 631,178. 4 Claims. (Cl. 26—9.)



1. The process of producing a pile fabric consisting in forming a fabric with a woven base and a plurality of threads extending across one face thereof and secured to said base at intervals, the points of joinder of some of said threads to the base being located intermediate of the points of joinder of other of said threads whereby said threads form independent groups arranged in staggered relationship, in cutting said threads and removing portions of said threads from the base to render portions of the base in back of the removed threads visible and thereafter treating the remaining attached thread to form the same into spaced pile areas.

1,484,294. THREAD-HOLDING MEANS FOR PILE-CUTTING MACHINES. JOHN S. BOYD, Williamstown, Mass., assignor to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923, Serial No. 631,179. Renewed Jan. 12, 1924. 5 Claims. (Cl. 26—9.)



1. In a machine of the class described, a support over which the fabric is adapted to be moved, a plurality of spaced knives adapted to cut threads on the upper face of the fabric while said fabric is moved over the support, a bar, a plurality of spring members having free ends extending downwardly from said bar and projecting between the knives and bearing down on thrads cut by the knives, means for regulating the pressure of said spring members, and means for adjusting the position of said members relative to the knives.

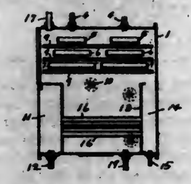
1,484,295. UPSET-TUBE FITTING. HARRY W. BUNDY, Detroit, Mich. Filed Nov. 16, 1922. Serial No. 601,387. 8 Claims. (Cl. 285—124.)

1. In a pipe union, the combination of a coupling comprising a nipple part and a socket part provided with a bevelled seat and which engage each other, and a tube having its end folded over and upset to form a crowded-together thickened portion bevelled on the outside complementary to said bevelled seat in the socket, the said



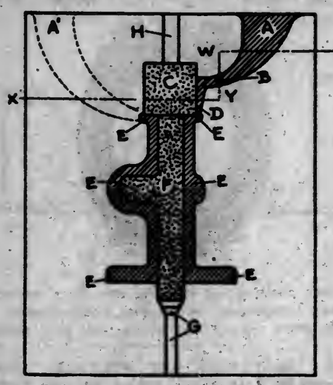
upset end of the tube being forced against the seat of the socket when the nipple part and the socket part are engaged.

1,484,296. PREHEATER. PHELOGAN BUTAUD, West Columbia, Tex. Filed Mar. 6, 1922. Serial No. 541,459. 4 Claims. (Cl. 261—114.)



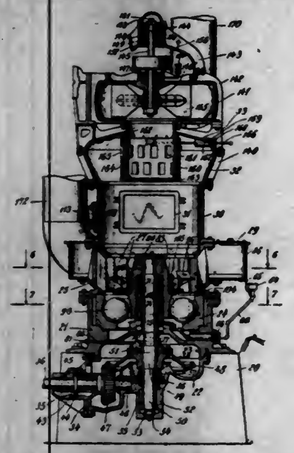
1. A pre-heater, including a casing, a water pipe entering the top of the casing, means for controlling the inflow of water, a pan in the upper part of the casing aligned underneath the discharge end of said water pipe, an outlet pipe leading from said casing, chambers on opposite sides of the casing, one of which is open on one side, an inlet entering the other chamber, a conduit connecting said chambers providing for the passage of a heating medium therethrough.

1,484,297. CASTING OF IRON IN PERMANENT IRON MOLDS. DE FOREST W. CANDLER, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed Mar. 16, 1922. Serial No. 544,114. 5 Claims. (Cl. 22—102.)



1. In combination with a permanent iron mold for the die-casting of iron of a substantially vertical sprue and a substantially horizontal gate of restricted area both located within the mold, a substantially vertical dry sand core against which the molten iron is delivered laterally, a descenting passage for the iron from the gate past the core into the matrix of the mold.

1,484,298. PULVERIZER MILL. HARRY RAYMOND COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Nov. 8, 1919. Serial No. 336,571. 18 Claims. (Cl. 83—45.)



2. A pulverizing unit comprising a casing, means within the casing for pulverizing material, a conduit leading from the top of the casing, means at the top of the casing for forcing a current of air laden within pulverized material through the conduit, means connected to the conduit for separating the material from the air, a return conduit from the separating means to the casing, a member mounted within the casing at the top thereof and provided with ports, means movably mounted upon the first-named member and provided with ports adapted to register with the ports of the first-named member, and means connected to the movable member and extending to the outside of the casing whereby the position of the movable member may be adjusted to regulate the amount of air which may pass through the ports to the means for forcing the air through the conduit.

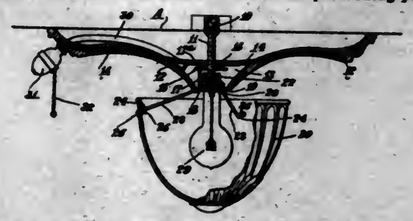
1,484,299. CORE. JOHN B. DAVIES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 21, 1922. Serial No. 555,839. 8 Claims. (Cl. 18—45.)



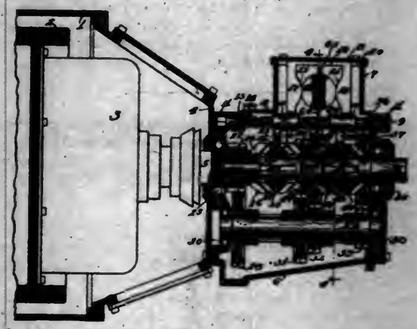
1. A core adapted for molding the inner surface of a tire casing comprising, an arcuate body portion, and a removable plate countersunk in one side face thereof.

1,484,300. ELECTRIC-LIGHT FIXTURE. PERCY I. ELIAS and MICHAEL ANGELO ELIAS, 2d, New York, N. Y. Filed Jan. 15, 1921. Serial No. 437,411. 1 Claim. (Cl. 240—78.)

In a lighting fixture, a reflector having a central opening therein, a metal bar embedded in said reflector, and having a portion thereof protruding from the reflector, said portion being spaced substantially from and disposed over the opening in the reflector and having an opening therein axially alined with the opening in the reflector, and supporting means engaging the said protruding portion through said opening therein to hold the reflector in suspended position, said means comprising a nut having a flange provided with threaded openings, said nut being adjustable against the under surface of the protruding portion of the bar and over a depending wall pipe, and a plate for the opening in the reflector provided with upstanding screws adapted to engage the openings in the flange of the nut to support the reflector, said plate being further provided with an opening to receive the threaded end of a lamp.



1,484,301. TRANSMISSION CONTROL. CARLYLE B. FUNK, Chicago, Ill. Filed Oct. 22, 1920. Serial No. 418,649. 2 Claims. (Cl. 74—59.)



1. The combination with a transmission, of a mechanism for effecting an adjustment of the transmission, a pinion engaged on said mechanism, spring controlled means engaging said pinion to hold the same against accidental rotation, a rack in mesh with said pinion, a tie rod, a double spring set connecting said rack and tie rod, a lever connected to said tie rod, and a foot pedal for operating said lever to effect rotation of said mechanism and adjustment of the transmission.

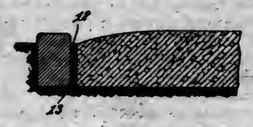
1,484,302. FIRE KINDLER. CLARENCE Y. GARRETT, Fountain Inn, S. C. Filed Oct. 29, 1923. Serial No. 671,574. 13 Claims. (Cl. 44—34.)



1. As an article of manufacture a fire-kindler in the form of a porous cake, composed of wood shavings, the individual shavings being thoroughly impregnated and coated with a suitable resinous material.

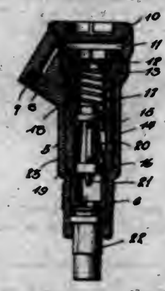
1,484,303. MEANS FOR FORMING EXPANSION JOINTS IN ROADWAYS. HENRY R. GUNDLACH, Baltimore, Md., assignor to The United States Asphalt Refining Company, New York, N. Y., a Corporation of South Dakota. Filed Feb. 7, 1922. Serial No. 534,738. 5 Claims. (Cl. 94—18.)

1. A slab for roadway expansion joints, formed of asphalt, and having a stiffening core of metal with corrugations running longitudinally of the slab to permit expansion widthwise, and spaced from the edges of the slab



to provide wearing areas of appreciable width on each side of said core.

1,484,304. TORPEDO. ANDREW T. HALL, Newport, R. I., assignor to the Government of the United States. Filed Aug. 9, 1920. Serial No. 402,433. 2 Claims. (Cl. 60—44.)



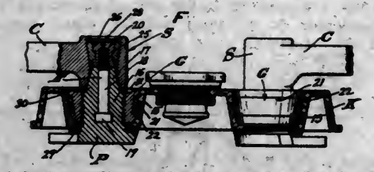
1. A firing mechanism for the combustion flasks of torpedoes comprising a member adapted to carry a cartridge, a firing pin normally held in locked position out of engagement and away from the primer, a firing pin member carrying the firing pin, spring arms carried by said member, a spring engaging said firing pin member and adapted to be compressed on admission of fluid pressure, a second spring adapted to be compressed on admission of fluid pressure, a sleeve interposed between said springs and adapted to co-act with the spring arms carried by the firing pin member to release the same after said springs have been compressed whereby said first spring moves the firing pin into engagement with the primer.

1,484,305. FIREPLACE HEATER. ROBERT P. JENSEN, Seattle, Wash. Filed July 25, 1923. Serial No. 653,628. 5 Claims. (Cl. 126—121.)



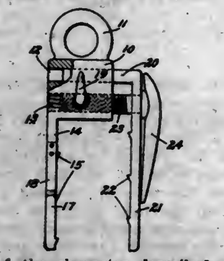
1. In a chimney having a fireplace, a flue therefor, an air heating chamber, a second flue, and an inlet passage for said fireplace, a stove provided in said chamber, a stove pipe connecting said stove with said second flue and also with said passage, a system of dampers provided for said pipe, and means for regulating said dampers whereby smoke products from the stove may be directed, selectively, into the second named flue or into said passage.

1,484,306. SELF-SEALING POLE FOR STORAGE BATTERIES. WILLIAM A. MACKENZIE, Long Beach, Calif. Filed Dec. 14, 1921. Serial No. 522,362. 10 Claims. (Cl. 204—29.)



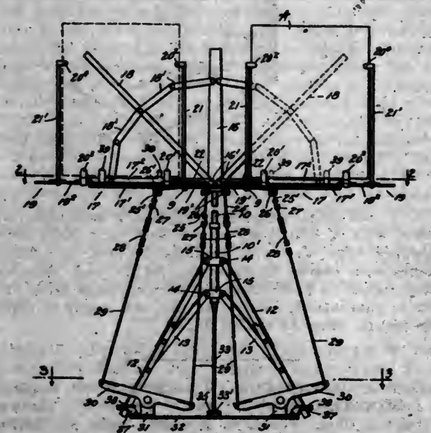
1. A battery cell cover having a socket therein, a post sustaining plug within the socket, and a fusible sealing agent between the wall of the socket and said plug.

1,484,307. DROP CLAMP. ANTON MAZZANOVICH, Los Angeles, Calif. Filed June 27, 1921. Serial No. 480,628. 6 Claims. (Cl. 24—243.)



1. A device of the character described comprising L shaped plates, one of which is slotted and notched to form a hook, one arm of the other plate being slidably fitted in the slot of the first plate, a screw threaded rod extending loosely through the second plate and threadedly engaging the first plate, a ring form on the short arm of the first plate, and a spring spanning the mouth of the notch and bendable inwardly.

1,484,308. COMBINED MUSIC-LEAF HOLDER AND TURNER. MATTI NIEMI, Seattle, Wash. Filed July 5, 1921. Serial No. 482,492. 1 Claim. (Cl. 84—503.)

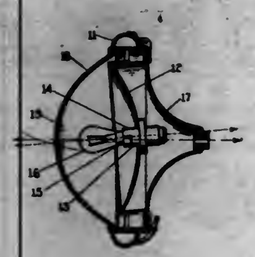


In apparatus of the class described, a frame comprising a centrally disposed bar and two horizontally aligned bracket members pivotally connected thereto, a lever

pivotally connected to each of said bracket members, said pivots being disposed with respect to the levers to afford a long and short arm to each of the latter, sheet engaging clips provided on the nolg arms of the respective levers, pedal devices, and flexible connections between said devices and the short arms of said levers for turning the latter about their respective pivots

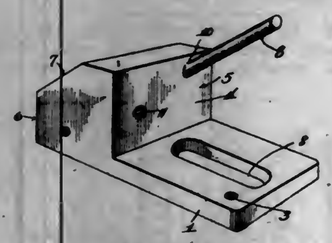
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1,484,309. VEHICLE LAMP. WALTER D'ARCY RYAN, Schenectady, N. Y. Filed Nov. 28, 1923. Serial No. 677,404. 4 Claims. (Cl. 240—41.)



1. A vehicle lamp comprising a housing, a shallow reflector with a long focal length secured therein, its axis being inclined slightly downwardly from the axis of the housing, a light source mounted substantially at the focal point of the reflector, an outwardly projecting light emitting closure to inclose the light source, the relative positioning of the reflector, housing and light source being such that the light source is in advance of the housing and a concentrated beam is projected forwardly and slightly downwardly therefrom and direct rays are released to illuminate a circular area forwardly and rearwardly therefrom.

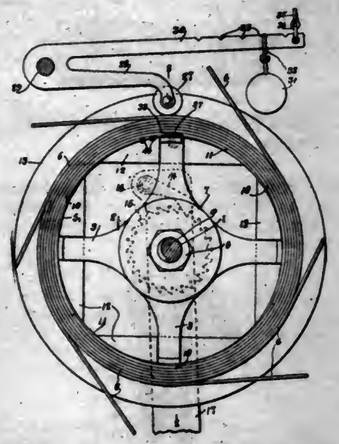
1,484,310. TOOL HOLDER. HAROLD SPENCER, Detroit, Mich. Filed July 17, 1920. Serial No. 397,117. 4 Claims. (Cl. 125—11.)



1. A tool holder and tool comprising a base plate provided with a tool head at one end, said head being equipped with transverse openings disposed at different angles with respect to the surface of the base plate and with respect to each other, the said openings being of a size to conveniently receive the tool and means to fasten the tool in either of the openings.

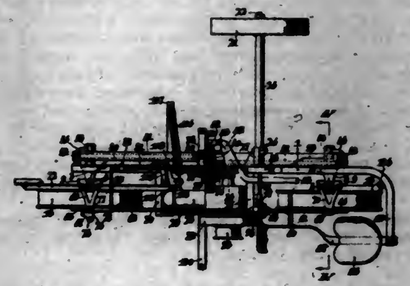
1,484,311. APPARATUS AND METHOD OF MAKING LAMINATED STRUCTURES. FRANK V. TISCHER, Dayton, Ohio. Filed Feb. 28, 1923. Serial No. 621,700. 25 Claims. (Cl. 154—1.)

18. In a method of forming a laminated structure, mounting successive laminations on a volute ring, applying glue to such laminations, applying pressure to the laminations successively as they are wound on the ring,



and arranging the end of the laminations initially applied to the ring against the ends of the volute portion of the ring.

1,484,312. SYN-MOTOR. HERBERT I. WASHBURN, Laurel Springs, N. J. Filed Aug. 21, 1917. Serial No. 187,494. 19 Claims. (Cl. 97—49.)



1. In a device of the class described the combination of a supporting frame; a pair of tractor wheels with supporting mountings pivoted to said frame; swivel nuts carried by said mountings to enable the wheels to shift angularly with reference thereto; and a steering shaft having oppositely threaded ends engaging said nuts for simultaneously shifting said wheels through similar angles in correspondence to the curvature of traction.

11. In a device of the class described, the combination of a structural frame, a pair of tractor wheels pivotally attached to said frame, means for manually turning one of said wheels for steering purposes, means for irreversibly transmitting complementary movement therefrom to the other wheel, a motor for simultaneously driving both wheels, and means for automatically controlling the device independent of the manual steering means when desired.

15. In a device of the class described, the combination of a structural frame, a pair of tractor wheels pivotally attached to said frame, means for manually turning one of said wheels for steering purposes, means for irreversibly transmitting complementary movement therefrom to the other wheel, a motor for simultaneously driving both wheels, an ignition circuit for the motor, a cut-out switch interposed in said circuit including a fixed contact, a spring influenced movable switch member cooperative with the said contact, and a laterally disposed

guide wire connected to said switch member for steering the device independently of the manual steering means, said guide wire exerting a steering pull through the contact between the make-and-brake parts of the switch so as to maintain the switch closed only while itself intact.

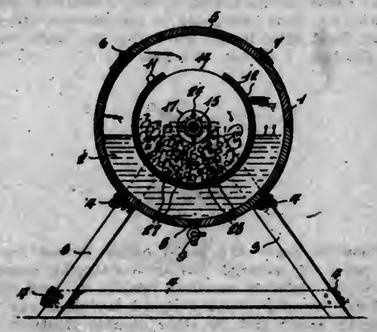
19. In a device of the class described, the combination of a structural frame work; tractor wheels pivoted to said frame work by pivots whose axial lines pass through the point of engagement of the respective wheels with the ground; manually operable means for irreversibly transmitting steering movement to said wheels; and means for automatically steering the device including a guide wire extending laterally therefrom and attached to the mounting of one of said wheels; so that the inequalities of the ground traversed by the wheels are substantially without influence thereon in opposition to said guide wire.

1,484,313. SHOULDER-PATCH-INSIGNIA-ATTACHING MECHANISM. CHARLES R. WELSH, Schofield Barracks, Territory of Hawaii. Filed Oct. 6, 1923. Serial No. 667,031. 10 Claims. (Cl. 40—1.5.)



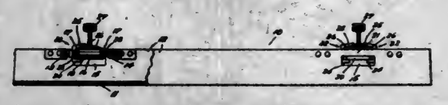
1. A shoulder patch comprising a support member for the identification mark, a cooperating member, one of said members being resilient, an engaging tongue secured to one of said members, and means on the other member to engage and securely hold said tongue.

1,484,314. REFRIGERATING BARREL. JOSEPH B. WISE, New York, N. Y. Filed June 6, 1923. Serial No. 643,698. 4 Claims. (Cl. 259—50.)



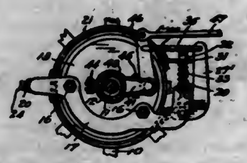
1. A confection stick freezing apparatus, comprising an outer horizontally extended closed container for the freezing mixture, an inner perforate container for the articles to be frozen horizontally disposed within and spaced from the walls of said outer container, said inner container having an upper peripheral opening, and means for oscillating said inner container about a horizontal axis to cause the agitation of the articles in said inner container, the oscillatory movement of said inner container being limited to prevent the discharge of articles through said opening into said outer container.

1,484,315. COMBINED TIE AND RAIL FASTENER. FREDERICK GORDON ALFORD, Algona, Wash. Filed Aug. 7, 1922. Serial No. 580,040. 2 Claims. (Cl. 238—64.)



1. The combination with a track-rail, and a metal tie of a substantially U-shape transverse section having apertures in its side elements and provided with spaced struts rigid with the tie and extending between its side elements, of a bridge member of greater length than the width of the tie and engageable in said apertures and, movable lengthwise of the tie between said struts, a pair of rail-engaging members connected to said bridge member, and means connecting the tie struts with the rail-engaging members for regulating and clamping the same successively to the tie.

1,484,316. AUTOMOBILE BRAKE. JOHN W. BAILEY, Seattle, Wash., assignor to Bailey Brake Co., Seattle, Wash., a Corporation of Washington. Filed Feb. 14, 1921. Serial No. 444,661. 2 Claims. (Cl. 188—77.)

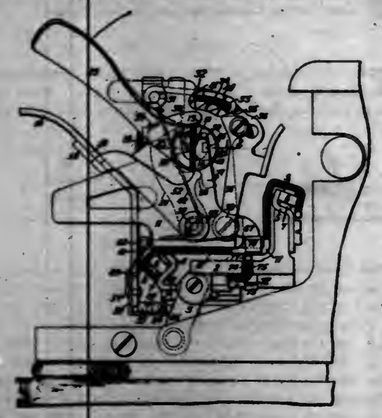


1. An apparatus of the character described, the combination with a vehicle wheel, a brake drum rigidly secured thereto, an axle for said wheel, an axle housing provided with a circular flange element, a brake band, a bell crank lever connected to one end of said brake band and a screw threaded rod connecting said bell crank lever to the other end of the brake band, of a bracket bar rigidly secured to the housing flange at substantially diametrically opposed sides of the brake drum, the opposite ends of said bar respectively serving as a support for the brake band and as a guide for said rod, a nut provided on said rod to limit the separation of the brake band ends with respect to each other, a spring interposed between the rod guiding end of said bar and the brake band, an arbor secured to the axle housing, a sleeve mounted upon said arbor and provided with an arm; a link making connection between said arm and the bell crank lever, a second arm mounted on the sleeve and manually operable connections to the second arm to impart rotary motion to said sleeve for actuating the brake band through the medium of said link and the bell crank lever.

1,484,317. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Jan. 27, 1923. Serial No. 615,202. 16 Claims. (Cl. 197—186.)

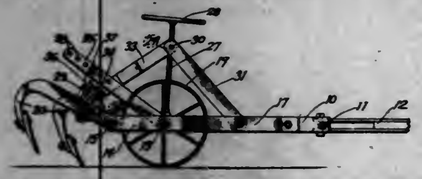
1. In a typewriting or like machine, the combination of a platen, a spindle adapted to telescope in the platen and to be moved from a contracted position to an expanded position for use and having a transverse notch

or groove therein, a finger piece mounted on said spindle, a locking latch adapted to enter said notch and hold the spindle against longitudinal displacement in either



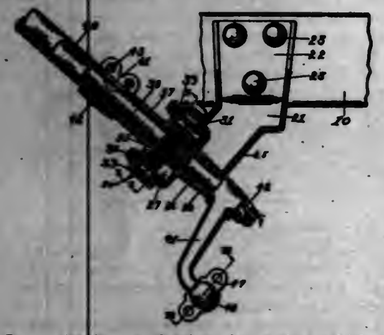
direction, a line spacing pawl, and means controlled by a turning movement of said spindle for actuating said pawl.

1,484,318. TRACTOR CULTIVATOR. ANDREW J. BARNHART, Placentia, Calif. Filed Sept. 22, 1921. Serial No. 502,468. 3 Claims. (Cl. 97—157.)



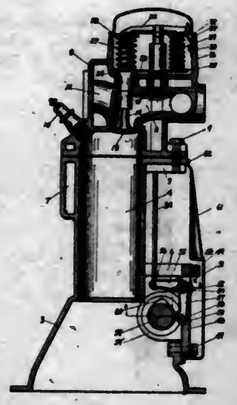
1. In a tractor cultivator, a wheel supported frame and its axle rod, a series of plow carrying beams pivotally connected to the rear portion of said frame, a pair of links pivotally connected to the plow carrying beams, a pair of links pivotally connected to the frame of the cultivator, a block to which the inner ends of the pairs of links converge and are connected, a threaded shaft passing through said block and swiveled on said rod.

1,484,319. STEERING MECHANISM. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed July 26, 1917. Serial No. 182,857. 14 Claims. (Cl. 74—79.)



1. In a steering mechanism for motor vehicles, the combination of a supporting bracket provided with a recess and carrying a spider disposed in said recess; a shaft carried by said bracket and provided with a steering arm; pinions rotatably mounted on the arms of said spider; a ring mounted on said bracket and provided with an internal gear, meshing with said pinions; a plate secured to said bracket and covering said recess; a shaft journaled therein; a central pinion fixed on said shaft, and meshing with said first mentioned pinions; and a steering column having its lower end secured to said shaft.

1,484,320. VALVE-OPERATING MECHANISM FOR ENGINES. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 21, 1919. Serial No. 284,140. 7 Claims. (Cl. 123—90.)



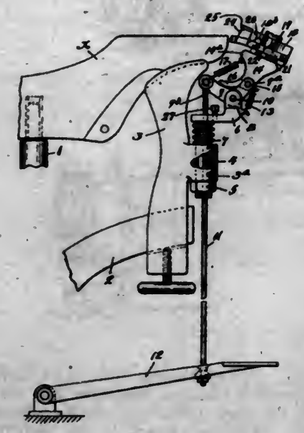
1. In a multiple cylinder internal combustion engine, a frame, a vertically disposed plate secured to said frame and extending longitudinally of said engine, said plate having inwardly projecting extensions thereon, a cam shaft journaled in said extensions and removable longitudinally from the plate, a rocker shaft journaled upon said plate, and a series of rocker arms carried by said shaft.

1,484,321. COMBINED PAPER AND PENCIL HOLDER. PETER A. BROUILLETTE and ARTHUR R. BECK, Sioux City, Iowa, assignors of one-third to Riley J. Beck, Sioux City, Iowa. Filed Aug. 30, 1922. Serial No. 585,143. 1 Claim. (Cl. 24—10.)



A combined paper and pencil holder formed from a single piece of material having overlapping members parallel and yieldably mounted relative to each other, one of said members being designed to engage one side of a user's pocket and the other member yieldably supported and parallel with the first said member and designed to engage the inner face of the pocket, said second member having yieldably curved pencil supporting portions, the adjacent edges of the first and second members being formed in a cylindrical rib designed to rest on the top edge of the pocket member, the pencil retaining members being so arranged that a pencil when inserted therein will engage said cylindrical rib, said second member being provided with a paper retaining member yieldably mounted relative thereto and to said first member, the adjoining edges of said second member and said yieldable member being provided with a yieldable rib of a greater resiliency than the first said cylindrical rib.

1,484,322. SOLE-POSITIONING DEVICE FOR SHOE-LAST JACKS. FRANK CHATEAUNEUF, Lynn, Mass. Filed Apr. 15, 1921. Serial No. 461,534. 20 Claims. (Cl. 12—33.)



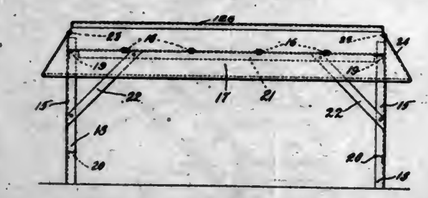
1. In combination with a support adapted to hold a last in inverted position, last-engaging devices for the opposite sides of the last, adjacent its toe-end, mounted to swing about a vertical axis into position in front of said end and to swing about a horizontal axis, longitudinally of the last, into last-engaging position, and sole-edge engaging means movable with said engaging devices into sole-positioning relation with the last.

1,484,323. BRAKE-BEAM FULCRUM. FRANK DITCHFIELD, Montreal, Quebec, Canada, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 20, 1920. Serial No. 375,378. 2 Claims. (Cl. 188—282.)



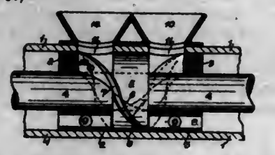
2. A brake beam fulcrum comprising a body member, a reversible lever bearing mounted to turn therein and means for holding said bearing in either of two positions comprising intersecting bolt passages formed in the bearing and bolts adapted to be inserted through said passages and the body member to hold the bearing against turning movement.

1,484,324. ELECTRIC DRYING APPARATUS. EDWIN L. EMERSON, Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 19, 1920. Serial No. 352,409. 12 Claims. (Cl. 219—19.)



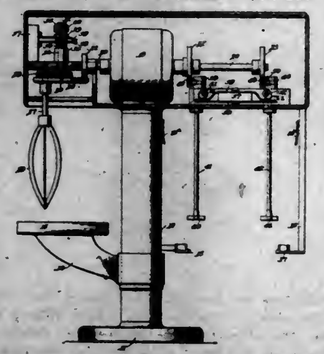
1. A device of the class described comprising a heat generating element, a casing covering said element, and a foraminous table located above said element for supporting articles to be dried.

1,484,325. APPARATUS FOR TREATING PLASTIC SUBSTANCES. SAMUEL FLOOD, Liverpool, England. Filed Oct. 19, 1921. Serial No. 508,765. 7 Claims. (Cl. 259—9.)



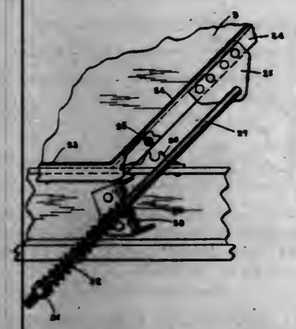
1. A machine of the type described, comprising a casing, cam members therein and one of said cam members provided with a discharge opening, and a rotary member between said cam members adapted to be reciprocated when rotated.

1,484,326. MIXING DEVICE. WILLIAM EARL GRAHAM, Gary, Ind., assignor of one-half to Alex N. Orphan, Gary, Ind. Filed Dec. 9, 1922, Serial No. 605,918. Renewed Dec. 10, 1923. 5 Claims. (Cl. 259—131.)



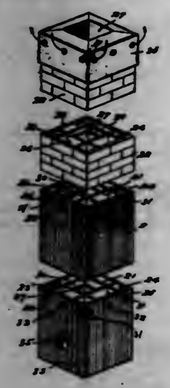
1. A mixing machine comprising a standard supporting a casing, power means within the casing for driving a shaft disposed therein, a plurality of vertically depending spindles journaled through the bottom of the casing and carrying spinner disks, and selectively operable clutch means for driving either or all of said spindles from said shaft, and operating knobs located on the front of the casing and having stems extending thereinto and carrying clutch control means, said power device being electrically operated, and a plurality of circuit closers arranged in parallel and connected in the circuit to said drive device, and means carried by said stems for operating said circuit closers automatically when the stems are moved to engage the clutch devices.

1,484,327. DUMPING BODY FOR VEHICLES. JULIUS P. HEIL, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,542. 2 Claims. (Cl. 298—10.)



1. The combination with the frame of a vehicle, of a body normally positioned on the frame in load retaining position but capable of moving relative thereto into load discharging position, a rod slidably engaging a portion of the frame and pivotally connected at one end to said body, a stop on said rod, and a spring encircling said rod and interposed between said stop and said portion of the frame, for the purpose specified.

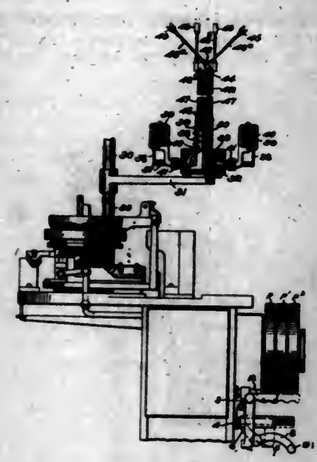
1,484,328. COMBINED VENTILATING FLUE AND CHIMNEY. ALBERT H. HEIMBACH, St. Paul, Minn. Filed Aug. 11, 1922. Serial No. 581,044. 3 Claims. (Cl. 72—92.)



1. A chimney tile consisting of spaced inner and outer rectangular shells, the former of which affords a central main flue, the sides of said inner shell being extended to the walls of the outer shell to form rectangular corner and intermediate flues that are entirely separate the one from the other, certain of said outer shells having holes that open directly into the corner and intermediate flues.

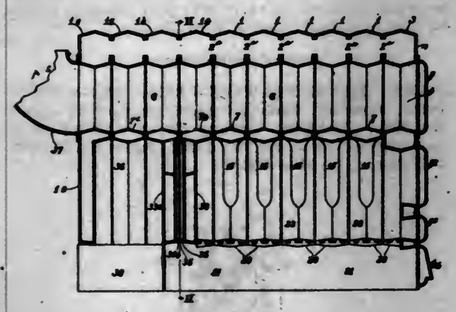
1,484,329. STOP MOTION FOR TEXTILE MACHINES. EDSON S. HIMELING, Apponaug, R. I., assignor to Himeline Engineering Company, a Corporation of Rhode Island. Filed Mar. 15, 1920. Serial No. 365,939. 5 Claims. (Cl. 66—7.)

1. An electrical stop motion for knitting machines having an upright creel rod, a receptacle supported from said creel rod, a fixed upright rod extending upwardly from the receptacle, a plurality of vertically movable rods corresponding in number to the number of yarns, a lever with a forked open end directly connected to each rod, a contact at the lower end of each rod, a mercury cup into which such contact is adapted to dip, and operative connections between the contacts and the shipper



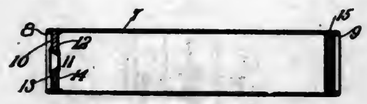
mechanism, the construction and relation of parts being such that the unduly tensioned yarn slips from the forked open end of the lever pertaining thereto substantially simultaneously with the contact in the mercury cup, whereby additional tightening of the yarn at the needles is prevented.

1,484,330. BOILER. CHARLES HOWARD HOOK and ARNOLD W. MILLER, Pittsburgh, Pa.; said Miller assignor to said Hook. Filed May 14, 1921. Serial No. 469,717. 3 Claims. (Cl. 122—225.)



1. In a boiler construction comprising a plurality of associated sections forming a fire box having a closed top and a combustion chamber into which the gases from the fire box must pass, the combination of two similar adjacent sections forming a partition across the end of the fire box and dividing it from the combustion chamber, the partition extending upwardly from the bottom of the fire box and provided with portions stopping short of the top of said fire box, and an opening through the said partition from beneath the fire box into the combustion chamber, whereby to supply heated air from beneath the fire box to the burning gases as they pass from the fire box to the combustion chamber.

1,484,331. GREASE CONTAINER AND GUN THEREFOR. WARREN B. HOPKINS, Brookline, Mass. Filed Nov. 17, 1921. Serial No. 515,949. 2 Claims. (Cl. 221—79.)



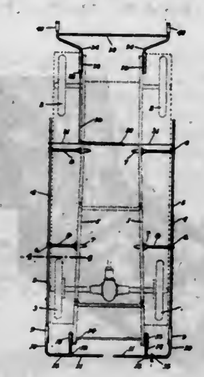
1. A grease container having, in combination, a tube, an end closure fast thereto, an eyelet centrally located in said end closure, frangible means sealing said eyelet and another end closure slidable in said tube.

1,484,332. TOOL HOLDER. FERNANDO OSCAR JAQUES, Jr., Providence, R. I. Filed June 14, 1923. Serial No. 645,405. 6 Claims. (Cl. 29—96.)



1. A tool holder having a fixed lower jaw and a movable upper jaw pivotally secured to the holder and extending over the lower jaw, said tool holder having a constructino whereby the pivoted upper jaw is pivotally secured in place in the holder, by a sidewise movement of the pivoted upper jaw, for the purpose as described.

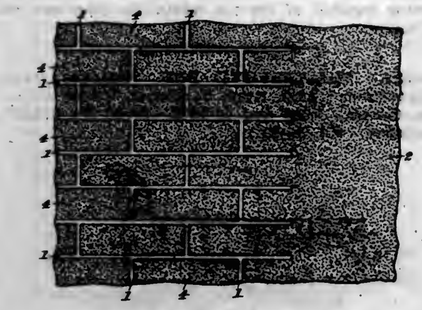
1,484,333. SAFETY FENDER FOR AUTOMOBILES. OSCAR E. JONES, Marysville, Calif. Filed Mar. 28, 1923. Serial No. 628,251. 7 Claims. (Cl. 234—29.)



1. A fender structure for automobiles comprising in combination with fender bars mounted on the vehicle and a speedometer mounted thereon, means between the bars and speedometer whereby a visible and permanent record of the speed of the vehicle at the time the bars are struck will be obtained.

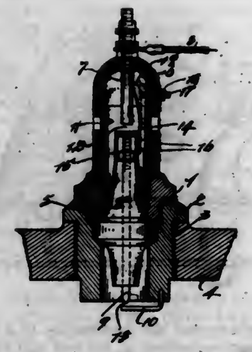
7. A fender structure for automobiles comprising in combination with fender bars, turnably mounted along the sides of the vehicle and a speedometer likewise mounted on the vehicle, said speedometer having a speed indicating needle and a dial movable theretowards, a marking element carried by the needle, means between the bars and dial for moving the latter into engagement with the marker with the rotation of the bars, rear fenders on the vehicle arranged for horizontal movement, and means between the side and rear fenders whereby when such movement is imparted to the latter the side fenders will be rotated, and means whereby the side fenders may be rotated alone without imparting any movement to the rear fenders.

1,484,334. PROCESS OF SURFACING WALLS. THEODORE KERNER, Milwaukee, Wis. Filed Feb. 27, 1919. Serial No. 279,487. 2 Claims. (Cl. 41—38.)



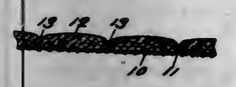
1. The process of surfacing walls of stationary structures, which consists in applying a coating of adhesive material to one side of a fixed substantially rigid wall, spreading a coating of sand evenly over the adhesive coating while it is soft, and scraping off parts of the sand coating according to a predetermined design, thus forming a fixed substantially rigid base having a sand surface with portions in low relief between incisions formed by removal of intervening portions of the sand coating, the incised portions presenting a relatively smooth surface compared with the low-relief sand portions.

1,484,335. SPARK PLUG. WILLIAM P. KERRIGAN, Astoria, N. Y. Filed July 15, 1922. Serial No. 575,247. 12 Claims. (Cl. 123—169.)



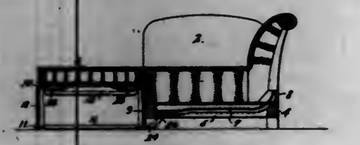
1. A spark plug having in combination with its spark gap a supplemental spark-intensifying gap, and electrical conducting thermostatically operated means arranged to bridge said gap.

1,484,336. METHOD OF MAKING SEAT COVERS. ADOLPH H. LICHTER, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1919. Serial No. 279,016. 6 Claims. (Cl. 155—184.)



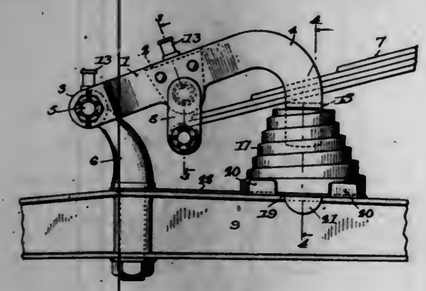
1. The method of making seat covers comprising the securing of the filler to the base fabric, the scoring of the surface of the sheet material thus formed, and the stitching together of the top fabric, the filler and the base fabric.

1,484,337. CHESTERFIELD BED. CHARLES OSCAR MORLOCK and AXEL NORD, Vancouver, British Columbia, Canada. Filed Aug. 2, 1922. Serial No. 579,201. 7 Claims. (Cl. 5—21.)



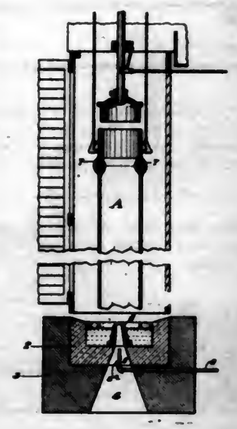
7. An improved Chesterfield bed, comprising the combination with a couch having a low positioned open rectangular frame supported a short distance from the floor and upholstered to provide a flat seat portion and a flat unbroken front, removable cushions cooperative with said flat seat, a rectangular extensible and foldable bed frame supported wholly by said couch frame when in the normal folded position, means whereby said bed frame may be extended so that the extended portion may rest wholly on the floor, and other means whereby said bed frame may be vertically extended from its normal folded position to a height for supporting the removable cushions on a plane with the seat portion of the couch.

1,484,338. SHOCK ABSORBER. GUSTAV A. NOETZEL, Waukesha, Wis., assignor to Pressed Metal Mfg. Co., Waukesha, Wis., a Corporation of Wisconsin. Filed July 18, 1921. Serial No. 485,417. 6 Claims. (Cl. 267—17.)



1. In a shock absorber the combination of a forker lever having a fulcrum connection at one end and its fork arms at the other end offset to form bearings for engagement with the under side of a leaf spring straddled by said arms and connected with the lever between its ends, and a volute spring adapted to engage at its upper end the under sides of the offsets of the fork arms and to rest at its lower end on a supporting member below the leaf spring.

1,484,339. MANUFACTURE OF GLASS CYLINDERS. CLYDE S. ROBB, Charleroi, Pa., assignor of one-half to Charles J. Kunzler, Pittsburgh, Pa. Filed Jan. 14, 1920. Serial No. 351,389. 5 Claims. (Cl. 49—17.1.)



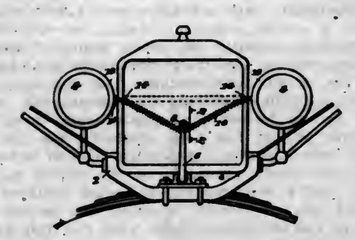
5. In apparatus for drawing glass cylinders, a batch containing vessel, a conduit extending upwardly therethrough opening directly within the formative zone of the article being drawn and in open communication with the atmosphere below, and an air supply pipe leading to but spaced away from said conduit to supply air upwardly through the conduit while allowing for return flow of excess air backwardly through said conduit and around said pipe.

1,484,340. SOUND-REPRODUCING MECHANISM. STANLEY CORYTON HUGH ROBERTS, London, England. Filed Apr. 24, 1922. Serial No. 556,221. 2 Claims. (Cl. 274—2.)



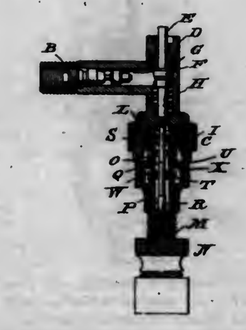
1. A phonograph cabinet, comprising a body and a cover hinged thereto, said cover being deeper at the front than at the back and open at the front, an amplifying horn in said cover, a record carrier rotatably mounted in said cabinet body, a tone arm, a standard at one back corner of the cabinet for supporting said tone arm so that it may connect with the inlet to the horn, one side of said horn being formed by one side of the cover near said inlet, while the opposite side of said horn extends diagonally across the cover to form a space therein in which the tone arm can move across the records above the level of the lower edge of the amplifier.

1,484,341. CRANK HOLDER FOR CARS. MARTIN SEVERSON, Galesville, Wis. Filed Mar. 26, 1923. Serial No. 627,900. 3 Claims. (Cl. 74—33.)



1. A starting crank holder comprising a coil tension spring and means at its ends for respectively connecting with the head-lamps upon each side of the vehicle.

1,484,342. ADAPTER FOR PUMP COUPLINGS. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y. Filed Apr. 5, 1919, Serial No. 287,820. Renewed July 14, 1921. Serial No. 484,819. 2 Claims. (Cl. 152—11.5).



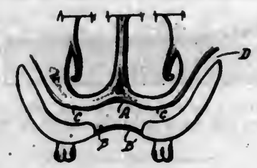
1. An adapter comprising a member having an externally threaded portion adapted to engage the threads of a pump coupling, and an internally threaded portion adapted to engage the threads on a valve stem different from those adapted to receive the pump coupling, a tubular element within said member and rotatively connected thereto and a packing gasket carried by said tubular element adapted to make a leak-tight joint with the end of a valve stem.

1,484,343. METHOD OF MANUFACTURING HINGE BUTTS. JOSEPH SOSS, Brooklyn, N. Y. Filed Oct. 16, 1922. Serial No. 594,781. 10 Claims. (Cl. 29—11.)



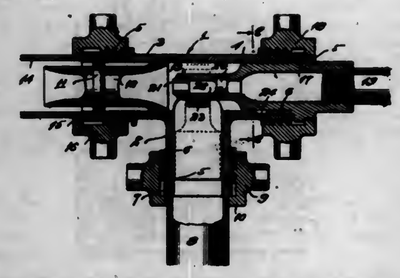
1. The herein described method of manufacturing hinge butts, which consists in providing two sheet metal blanks, shaping one of said blanks to form a substantially hook-shaped end portion having top and bottom flanges, and flanges extending longitudinally of the opposite sides of said blanks, shaping one end portion of the other of said blanks to form a plurality of projecting fingers, fashioning said fingers to form substantially circular knuckles and securing the separate fashioned blanks, together with the knuckles of the last named blank, within the hook shaped portion of the first named blank.

1,484,344. UPPER DENTAL PLATE. WILLIAM M. STANBROUGH, Newburgh, N. Y. Filed Feb. 23, 1922. Serial No. 538,778. 1 Claim. (Cl. 32—4.)



An upper artificial denture having in combination a plate, teeth connected therewith, a palatine portion comprising a composition core, a plurality of layers of metallic foil superimposed thereon, susceptible of being severally removed by a scalpel or other instrument, substantially as and for the purposes as hereinbefore set forth.

1,484,345. JET MECHANISM. GUSTAV STOELTING, Kiel, Wis., assignor to Stoelting Brothers Co., Kiel, Wis. Filed May 23, 1923. Serial No. 641,027. 6 Claims. (Cl. 162—1.)



5. An injector of the class described having a casing provided with angularly disposed branches, a discharge tube arranged within one of said branches, an inlet nozzle detachably connected to either of the other branches, said inlet nozzle having adjacent its outlet a second outlet at right angles to the former, means for closing either of said outlets and opening the other dependent upon the branch to which the inlet nozzle is connected, a suction pipe secured to the other branch, and said inlet nozzle adapted to discharge into said discharge tube.

1,484,346. PROCESS FOR PRODUCING NEGATIVES FROM NONTRANSPARENT ORIGINALS FOR USE IN PREPARING PRINTING PLATES. MAX ULLMANN, Zwickau, Germany, assignor to Karl Werth, The Hague, Netherlands. Filed Apr. 14, 1921. Serial No. 461,454. 2 Claims. (Cl. 95—88.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. That method of producing negatives for use in the preparation of printing plates from originals which are adapted to reflect light from a portion of their surfaces characterized by rendering the photographic image resistant to objectionably actinic light by dyeing the same with a suitable soluble dye and thereafter making the same waterproof by treatment with a compound of opposite acid or basic character.

1,484,347. PROCESS FOR PRODUCING NEGATIVES FROM NONTRANSPARENT ORIGINALS FOR USE IN PREPARING PRINTING PLATES. MAX ULLMANN, Zwickau, Germany, assignor to Karl Werth, The Hague, Netherlands. Filed Apr. 14, 1921. Serial No. 461,455. 4 Claims. (Cl. 95—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

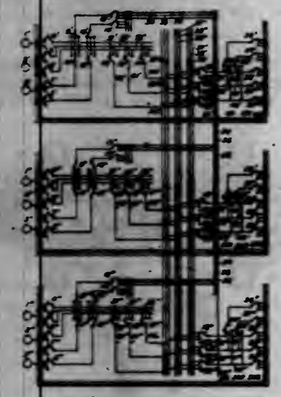
1. A method of producing negatives adaptable for use in preparing printing plates characterized by supporting a

sensitized layer on a plate by means of a supporting transparent film, actinizing the layer to produce an image, photographically developing the image, covering



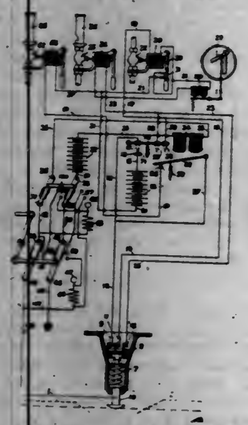
the layer with a second transparent film and stripping from the plate the layer with the covering films on either side.

1,484,348. MACHINE-SWITCHING TELEPHONE SYSTEM. FRITZ ALDENDORFF, Wilmersdorf, Berlin, Germany. Filed Dec. 17, 1914. Serial No. 877,781. 24 Claims. (Cl. 179—18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



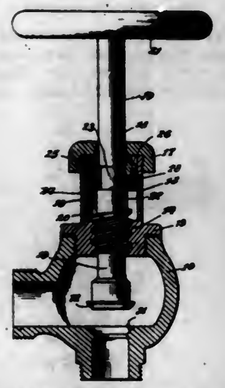
1. In a telephone system, a switch with groups of bank contacts, telephone lines connected to the groups of bank contacts, sets of brushes on the switch adapted to be shifted onto the said groups of bank contacts in succession, a link circuit coordinated to the said brushes, a group testing relay for testing each group of lines onto which the sets of brushes are set, and individual test relays for testing a line through one set of brushes and extending a free line to the said circuit.

1,484,349. RAILWAY SAFE-RUNNING DEVICE. ARTHUR REGINALD ARGUS, London, England. Filed Apr. 14, 1913. Serial No. 761,043. 11 Claims. (Cl. 246—23.)



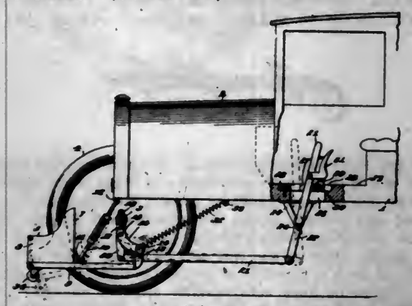
1. A train protecting device comprising warning and stopping means on the train, solenoids controlling the action of the said warning and stopping means, a source of energy operatively connected to the solenoids, a train contact operatively connected to the source of energy and adapted to disconnect the latter from said solenoids when displaced, track contacts coacting with the train contact, a second source of energy, an electromagnet operatively connected to the second source of energy, an armature coacting with the electromagnet and adapted to break the circuit comprising the first source of energy and the solenoids controlling the warning and stopping means and to introduce a substitutional circuit when the train contact has been displaced and the track is in a clear condition, a manually operated commutator switch operatively connected to the second source of energy, and a compensating resistance designed to be switched into the circuit including the second source of energy and the electromagnet when the train has been reversed on a loop or the like.

1,484,350. VALVE PACKING. CHARLES M. CUSICK, Steubenville, Ohio. Filed Apr. 10, 1922. Serial No. 551,357. 2 Claims. (Cl. 286—36.)



2. In a valve having a housing, a valve stem and a bonnet in which said stem is threaded, said bonnet having a cylindrical chamber around said stem; a packing for said stem comprising split metallic rings fitting tightly in said chamber, a washer and a retaining bushing confining said rings between them in axial direction, and means for locking said washer and bushing rigidly to said stem, a shoulder being formed on said stem for supporting said washer, and a space being formed adjacent said shoulder between said bushing and said stem thereby providing a liquid retaining space around the stem.

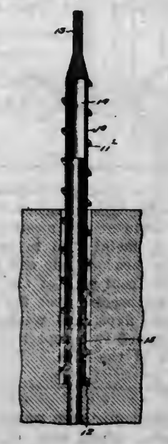
1,484,351. VEHICLE FENDER. LARIS GRELLA, Brooklyn, N. Y. Filed July 31, 1923. Serial No. 654,884. 8 Claims. (Cl. 293—34.)



3. A fender for automobiles comprising longitudinal bars, a catcher on the outer end portions of said bars, a rock shaft, arms carried by said shaft and having fixed

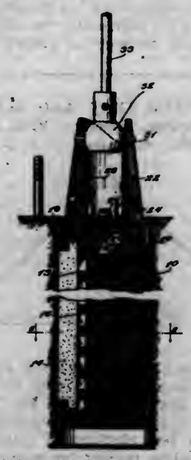
pivots connected to the inner end portions of said bars, said inner end portion of the bars being bent upwardly from the main portions thereof, whereby said main portions of the bars and the catcher are normally carried close to the road, and means for rocking said shaft.

1,484,352. AUGER, BIT, OR DRILL. HENRY IZARD, Mobile, Ala. Filed Dec. 10, 1919. Serial No. 343,736. 1 Claim. (Cl. 145—120.)



An auger, bit or drill for removing bolts or the like and including a central longitudinally extending body portion having a concentric longitudinally extending bore open at its outer end and having a working fit around the bolt or other object to be removed, said body portion being formed with transversely elongated staggered openings designed to establish communication between the bore and the outer surface of the body portion and spaced apart along the length of the body portion, said openings being arranged at an incline with respect to the longitudinal axis of the body portion to facilitate the discharge of material from the bore.

1,484,353. HONING DEVICE FOR BORES OF INTERNAL-COMBUSTION ENGINES. IRA R. KIDWELL, Pontiac, Mich. Filed Oct. 5, 1922. Serial No. 592,639. 7 Claims. (Cl. 51—206.)



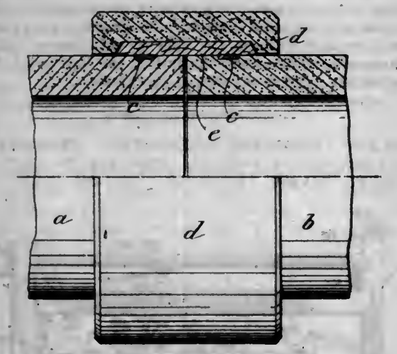
1. A honing tool for cylindrical bores comprising a body member, provided with longitudinal channels opening along the outer periphery thereof, the sides of said channels converging towards the bottom of the channel, a honing element of substantially rectangular cross section inserted in each of said channels, compression springs between the bottom of the channel and said honing element, said element having a projecting tongue at each end and a collar at each end of said body member provided with an annular ledge engaging over said tongues.

1,484,354. NECKTIE HOLDER. DAVID W. MCLEAN, Los Angeles, Calif. Filed Sept. 12, 1922. Serial No. 587,748. 1 Claim. (Cl. 24—56.)



A tie holder comprising a tongue, a forwardly extending body portion integral with the tongue, spaced fingers extending downwardly from the body portion in a plane substantially parallel with the plane of the tongue, there being a button receiving slot in the tongue and having a large button head receiving portion extending into the body, said tongue being offset forwardly between its ends to provide overhanging shoulders constituting button retaining means.

1,484,355. JOINT FOR CONCRETE PIPES AND THE LIKE. DONALD MOIR and HUGH BUCHANAN, Rosario de Santa Fe, Argentina. Filed Sept. 27, 1922. Serial No. 590,920. 4 Claims. (Cl. 285—89.)

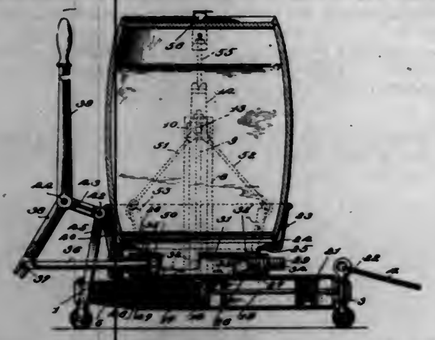


1. In a pipe joint, an annular member capable of absorbing moisture and swelling, and an elastic sealing ring in direct contact therewith, the material of the annular member aforesaid being exposed at both sides of the elastic ring to the surface with which the joint is to be made and the resultant increase in volume of the annular member due to swelling causing the same to compress the elastic ring upon the said surface and also to directly engage said surface at each side thereof.

1,484,356. GREASE-DISPENSING DEVICE. JAMES H. MONTGOMERY, San Francisco, Calif. Filed Mar. 1, 1921. Serial No. 448,763. 7 Claims. (Cl. 221—102.)

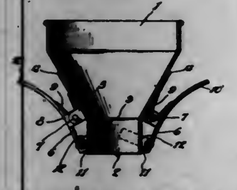
1. A device of the class described comprising a movable truck, hoisting means mounted thereon, a closure for a

lubricant container, means for attaching said closure to an open end of said container, means for connecting said con-



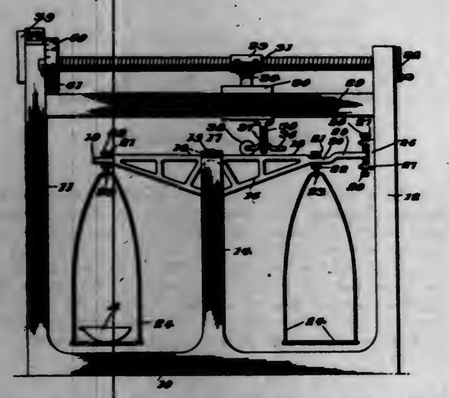
tainer and attached closure to said hoisting mechanism, and means for discharging lubricant from said closure.

1,484,357. FUNNEL. HARRY L. MULLEN, Baltimore, Md. Filed Feb. 3, 1923. Serial No. 616,719. 2 Claims. (Cl. 226—31.)



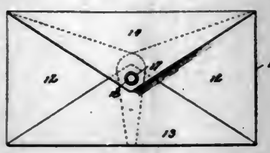
1. A funnel provided with a nozzle, a clamping member pivotally mounted upon the side of the funnel and having its lower end provided with an inwardly projecting jaw and disposed adjacent the nozzle, and yieldable means secured between the side of the funnel and the said member and holding the jaw at the lower end thereof normally against the side of the nozzle.

1,484,358. WEIGHING APPARATUS. FREDERICK H. NORTON, Langley Field, Va. Filed Aug. 29, 1922. Serial No. 584,990. 10 Claims. (Cl. 265—56.)



1. In weighing apparatus, a pivotally mounted scale beam, a roller poise continuously supported on said beam for rolling longitudinally thereon, means supported independently of said scale beam for movement longitudinally thereof, and means connecting said poise with the said movable means without the transmission of vertical loads therefrom to the poise, the said poise adapted to be rolled longitudinally of the scale beam by said movable means.

1,484,359. SAFETY-SEAL ENVELOPE. JOSEPH PICCIRILLI, Plainfield, N. J. Filed Nov. 17, 1921. Serial No. 515,926. 1 Claim. (Cl. 229—78.)



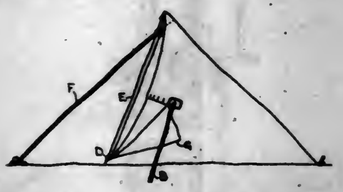
In combination, an envelope including a front wall, upper, lower and end flaps attached thereto, said flaps having openings therein at the meeting edges of the respective flaps, a soft metal stud to be inserted through said openings, a flat head at one end of the stud to be inserted between the front wall of the envelope and said flaps, a washer to be inserted over the stud, pins extended through the head, flaps, and washer, said projecting end of the stud designed to be upset to form a head and to receive the ends of the pins.

1,484,360. ELECTRIC SOCKET PLUG. ELMER H. POLZIEN, Manilla, Iowa. Filed Sept. 13, 1922. Serial No. 588,061. 5 Claims. (Cl. 173—360.)



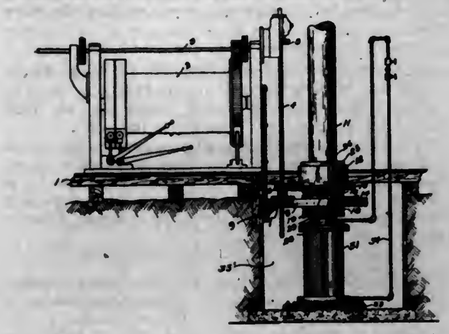
2. A plug of the class described including a pair of non-conducting blocks, a non-conducting bar spacing the blocks from each other, a pair of spring fingers one on each edge of the bar and between the blocks, a cup-shaped cap for receiving the upper ends of the blocks and the bar, a wire connecting the fingers, a contact on the bar, a second wire connecting the contact and both of said wires passing through an aperture in said cap.

1,484,361. COMBINED TENT AND SLEEPING BAG. ALF SÖYLAND, Bergen, Norway. Filed Jan. 12, 1922. Serial No. 528,765. 6 Claims. (Cl. 5—343.)



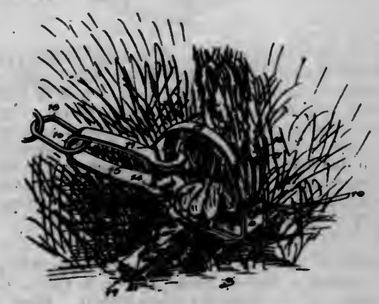
1. A combined tent and sleeping bag constituted by a wide rectangular sleeping bag having its aperture continued a distance downwards along the two side edges of the bag so as to form two free portions, means engageable with said free portions at points between the ends of the front edges thereof for maintaining the bag aperture substantially upright, fastening members arranged at both ends of the rear edge of the bag to maintain said rear edge flat upon the ground.

1,484,362. ROTARY DRILL. FREDERICK STONE, Spokane, Wash., assignor to Diamond Drill Contracting Company, Spokane, Wash. Filed May 23, 1922. Serial No. 563,029. 8 Claims. (Cl. 255—22.)



1. The combination in a drilling machine with a vertically reciprocable cross head and means for operating said head, of a relatively rotatable drill head carried in said cross head, means in said drill head for clamping a drill rod, and means for rotating said drill head.

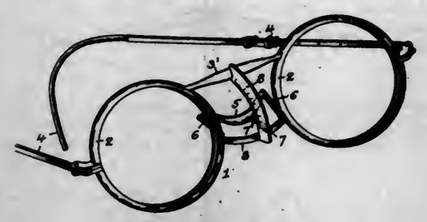
1,484,363. TRAP. JOHN ANDERSON TUBBS, Ellis, Kans. Filed Feb. 7, 1922. Serial No. 534,703. 1 Claim. (Cl. 43—93.)



A trap of the class described comprising a base, a pair of curved jaws having their extremities pivoted adjacent to each other at the ends of the base and their intermediate portions angularly twisted, a spring connected with the base and a pair of the adjacent ends of the jaws and tending to normally close said jaws, a bar secured at one end to the base and projecting outwardly at right angles therefrom, a trigger pivoted near the outer end of the bar and having a tread plate at the inner end thereof, said trigger having a notch in radial alinement with and above the pivot, said notch providing top and bottom walls to receive the intermediate twisted portion of one jaw, said portion of the jaw radially alining with the pivot, snugly fitting the notch, and locked against movement by the top and bottom walls of the notch whereby accidental displacement of the jaw from the notch is prevented, the jaws being movable out of engagement with the notch only when the trigger is depressed to release and permit the jaws to spring together.

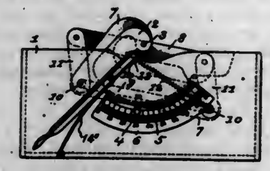
1,484,364. ANGLE-MEASURING INSTRUMENT. WILLIAM R. UHLEMANN, Evanston, Ill., assignor to Uhlemann Optical Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 6, 1922. Serial No. 541,273. 2 Claims. (Cl. 33—200.)

1. In an instrument for indicating the angle of the resting surface of the nose bridge with relation to the plane of the lens rings of an eyeglass frame, the combination of a pair of lens holding rings, temple bars attached to said rings, a transverse frame of a yoke shape connecting said lens rings in spaced relation, a gage piece pivotally mounted at its respective ends in the



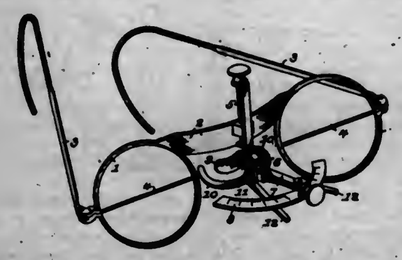
ends of said yoke shape frame and adapted for bearing upon the nose of the person being fitted, a pointer moving with said gage piece, and a graduated scale carried by the transverse frame.

1,484,365. OPTICIAN'S ANGLE GAUGE. WILLIAM R. UHLEMANN, Evanston, Ill., assignor to Uhlemann Optical Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 6, 1922. Serial No. 541,274. 7 Claims. (Cl. 33—200.)



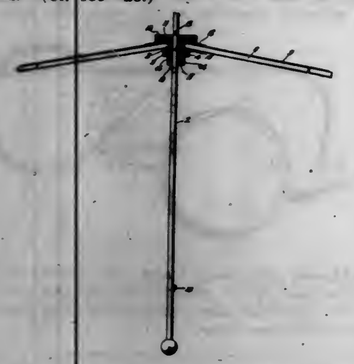
1. In a testing instrument for use in adjustment of parts to attain a required angular relation between the bearing surface of the nose bridge and the face of the lens supporting rings of an eyeglass frame, the combination of a support carrying an index dial, a pair of holding jaws and an arm carrying a trial edge mounted in operative relation on said support in manner to permit of relative movement to and from each other, said arm having pivotal attachment to its mounting, and a pointer turning in unison with said arm and in indicating relation to the dial aforesaid.

1,484,366. OPTICIAN'S MEASURING INSTRUMENT. WILLIAM R. UHLEMANN, Evanston, Ill., assignor to Uhlemann Optical Company, Chicago, Ill., a Corporation of Illinois. Filed May 9, 1922. Serial No. 559,628. 5 Claims. (Cl. 33—200.)



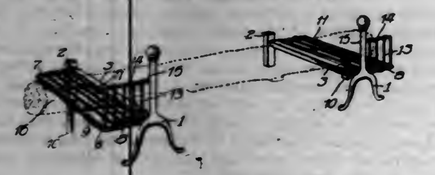
1. In an optician's instrument for measuring the relation of the nose to the pupils of the eyes, the combination of a pair of rings, a rail connecting said rings together in transverse spaced relation, temple bars attached to the sides of said rings, a nose rest carried by said rail midway of said pair of rings, a pair of adjustable caliper jaws spanning the nose rest, and graduated scales for indicating the adjustment of said caliper jaws.

1,484,367. UMBRELLA. SIDNEY C. VINCENT, Baltimore, Md. Filed Apr. 12, 1922. Serial No. 551,786. 2 Claims. (Cl. 135—28.)



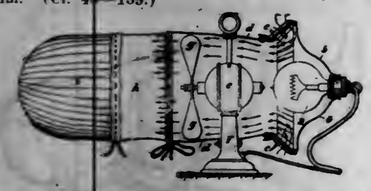
1. In an umbrella, in combination, a rod, a hollow cap secured to the upper part of said rod, a carrier secured to the upper part of the rod below the cap, a plurality of ribs having their inner ends pivoted in said carrier, said carrier being formed with a downwardly extending central portion embracing the rod, a spreader slidable on the rod and having a recess therein to receive the lower end of the central portion of the carrier when the spreader is in its uppermost position, and means for locking the spreader in such position.

1,484,368. FIREDOG OR ANDIRON. CHARLOTTE O. ALFORD, St. Pauls, N. C. Filed Oct. 23, 1923. Serial No. 670,315. 7 Claims. (Cl. 126—298.)



2. As an improved article of manufacture, a fire dog provided with a pivotally mounted grate section.

1,484,369. FLYCATCHER. CARLO ANDREUCCI, Rome, Italy. Filed June 6, 1922. Serial No. 566,289. 1 Claim. (Cl. 43—139.)

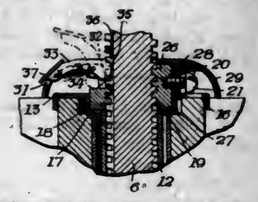


A device for catching flies and the like comprising a main stand, a cylindrical casing constituting a dark chamber carried by the stand, a fan mounted on the stand and having the blades thereof positioned within and near the rear end of the chamber, a hose connected to the rear end of the chamber, a receptacle of permeable material associated with the outer end of the hose, a shade having a reflecting surface on its interior, a lamp supported concentrically of and within the shade and a plurality of connecting links arranged in circular series about the forward edge of the dark chamber and the outer edge of the shade for connecting the shade in spaced relation to the chamber and being arranged in spaced relation with respect to each other so as to leave openings through which flying insects are drawn by the air suction generated by the fan and subsequently forced by the fan through the hose and into the receptacle.

1,484,370. COMPOSITION SUBSTITUTE FOR WOOD, TILE, OR OTHER BUILDING MATERIAL. FRANCIS A. BARTLETT, Stamford, Conn. Filed Oct. 16, 1920. Serial No. 417,358. 1 Claim. (Cl. 106—30.)

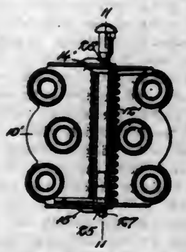
The herein described composition-substitute for structural material comprising sawdust about 100 parts, asbestos about 5 to 25 parts, cement about 10 to 30 parts, all the parts being by weight, together with sufficient soluble silicate binder to form a strong coherent mass.

1,484,371. REVOLVING CHAIR. CHARLES A. BROWN, Gardner, Mass., assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1920. Serial No. 371,360. 2 Claims. (Cl. 155—93.)



2. In a revolving chair, a threaded spindle attached to the chair seat, a nut carried by the spindle and rotatably supported by the hub of the chair, a locking member pivotally mounted on said nut for preventing relative rotation between the nut and the spindle, a stud carried by the hub to secure the nut thereto, and a cover inclosing both the locking member and the stud, the said cover being provided with an opening to permit movement of said locking member therein and to give access to said stud.

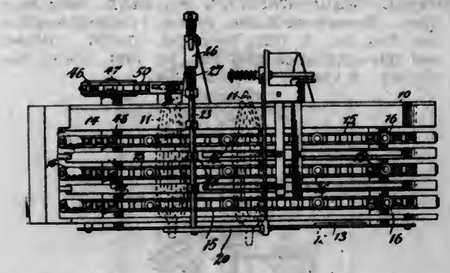
1,484,372. HINGE. WILBERT J. EDWARDS, Freeport, Ill., assignor to Stover Manufacturing & Engine Co., Freeport, Ill., a Corporation of Illinois. Filed Jan. 24, 1923. Serial No. 614,553. 13 Claims. (Cl. 16—189.)



1. A hinge comprising a pair of sections, a pintle pivotally connecting said sections, and means whereby the sections may be separated in different relative positions thereof while the pintle is engaged through both sections.

1,484,373. CONVEYER FOR THE BUTT REMOVERS OF CORN HUSKERS, ETC. CLARENCE A. HOY, Buffalo, N. Y., assignor to Peerless Husker Company, Buffalo, N. Y., a Copartnership. Filed Jan. 15, 1921. Serial No. 437,422. 1 Claim. (Cl. 146—84.)

A trimming apparatus for removing the butt ends of ears of corn comprising a conveyer provided with an operative portion moving lengthwise and arranged substantially horizontal and adapted to support the ears of corn to be trimmed on its upper side and in a position crosswise of the direction of movement of the operative portion of the conveyer, a gage arranged along one longitudinal edge of the operative part of the conveyer and adapted to be engaged by one end of the ear of corn, a cutter past which the gaged end of the ear is adapted to be moved by the conveyer, a plurality of wings ar-



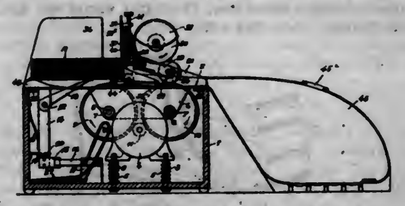
ranged at intervals on said conveyer throughout the length thereof and adapted to engage with the rear side of said ears and composed of a plurality of rollers projecting at right angles from said conveyer and pivotally mounted on the latter and arranged in a transverse row on the same, and a positioning device adapted to engage with the front and top sides of said ears and move the same transversely on the conveyer and the rows of wings and toward said gage.

1,484,374. WRENCH. JOHN H. ILLIG, Buffalo, N. Y. Filed Aug. 9, 1921. Serial No. 490,876. 4 Claims. (Cl. 81—165.)



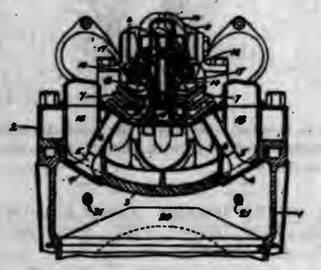
1. In a wrench, the combination of a head provided with a guide slot and a fixed jaw, said slot including two parallel intersecting holes, a movable jaw having a substantially semi-cylindrical base arranged in one of said intersecting holes, a threaded stem extending substantially parallel to said base in the other of said intersecting holes, and a nut on said threaded stem and extending into the space between said base and said threaded stem.

1,484,375. MAIL-MARKING MACHINE. PAUL ANDREAS JÄRVE, Krylbo, Sweden. Filed Dec. 7, 1921. Serial No. 520,680. 9 Claims. (Cl. 101—233.)



1. A machine for marking letters and the like including a prime mover, a feeding roller and a presser roller driven by the prime mover, a marking roller cooperating with the presser roller for marking letters passing between the same, a magazine for holding a stack of letters in such position that the feeding rollers will feed said letters, and means for controlling the starting and stopping of the prime mover provided with a member extending into the magazine and adapted to be depressed by the letters in the magazine for controlling the starting of the prime mover.

1,484,376. INTERNAL-COMBUSTION ENGINE. ETTORE LANZEROTTI-SPINA, London, England. Filed Feb. 21, 1921. Serial No. 446,624. 12 Claims. (Cl. 123—90.)



4. In an internal combustion engine the combination of a cylinder, a head, a plurality of inlet and exhaust valves in said head having stems converging together, inlet valves alternating with exhaust valves, a plunger co-axial with the cylinder operating all of the inlet valves and a second plunger co-axial with the cylinder operating all of the exhaust valves.

1,484,377. FEEDING APPARATUS FOR HAND OR BREAST DRILLS. DEAN MOOK, Rochester, N. Y. Filed July 13, 1923. Serial No. 651,259. 2 Claims. (Cl. 77—7.)

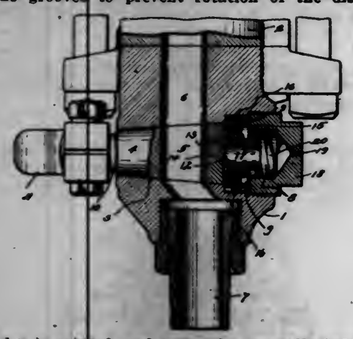


1. A feeding mechanism for hand or breast drills comprising a housing forming a socket for holding the handle of the hand or breast drill in one end of said housing, a pair of bearing blocks held in place in the other end of said housing, a nut held in place between said bearing blocks, a feed screw threaded into said nut and passing through said bearing blocks, a spindle forming an extension of said feed screw and projecting from said housing, a third bearing block for said spindle to rotate therein and a handle formed on the end of said spindle, said third bearing block being adapted to be rigidly clamped in place between the jaws of a vise and said housing being adapted to project between the jaws of the vise and be held against rotation during the feeding of said feeding mechanism.

1,484,378. THROTTLE-VALVE LOCK FOR ROCK DRILLS. GUSTAVE M. NELL, Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Filed Jan. 29, 1923. Serial No. 615,772. 3 Claims. (Cl. 251—163.)

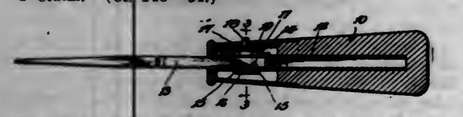
1. In a throttle valve lock for rock drills, the combination with a back head, of a seat therein, a valve rotatable in the seat, said back head having a chamber therein adjacent the seat, said chamber having diametrically opposed grooves therein, a disk slidable in the

chamber and having peripheral ears for slidably engaging the grooves to prevent rotation of the disk when



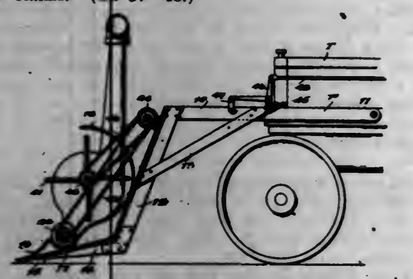
the valve is rotated, and means for normally holding the disk yieldably interlocked with the valve, as and for the purpose set forth.

1,484,379. SCREW DRIVER. AUSTIN E. RAINEY, Grove City, Pa. Filed July 14, 1922. Serial No. 574,992. 1 Claim. (Cl. 145—64.)



In a screw driver, the combination of a ferrule having a forward end wall, a sleeve rigidly fixed at one end to said end wall terminating flush therewith, a handle bored to snugly accommodate the opposite end portion of the sleeve and wedged in the rear end of the ferrule, the sleeve being provided forwardly of the inner end of the handle with an opening and being bent up at opposite ends of said opening to define parallel thrust flanges, a bit slidable in the sleeve and provided with a notch, and locking means for the bit housed within the ferrule and mounted on said sleeve between the inner end of the handle and said end wall of the ferrule, said means including a block slidable between said flanges to extend through said opening engaging in said notch locking the bit against endwise movement, a yoke secured to the block straddling the sleeve and provided with a releasing button extending freely through the ferrule, and a flat bowed spring bearing between the yoke and sleeve for holding the block engaged in said notch sustained by said thrust flanges to coact between the bit and sleeve for diverting endwise thrust upon the bit to the sleeve.

1,484,380. SNOWPLOW. JOHN P. RUNCK, Casselton, N. Dak. Filed Aug. 31, 1922. Serial No. 585,444. 3 Claims. (Cl. 37—43.)



1. In a device of the kind described, a frame, a shield carried by said frame and having a trough shaped portion adjacent its forward edge, a blower fan located centrally above said trough shaped portion, a right and left hand conveyor mounted in the trough shaped portion and arranged to convey material toward the intake opening of the fan, a delivery pipe leading from said fan, means to drive the said conveyor and fan, and a lump breaking device mounted above said conveyor and to the rear thereof.

1,484,381. WARP-KNITTING MACHINE. AUGUSTIN SERRA, Essomes-sur-Marne, France. Original application filed Dec. 5, 1923, Serial No. 678,787. Divided and this application filed Jan. 11, 1924. Serial No. 685,643. 6 Claims. (Cl. 66—33.)



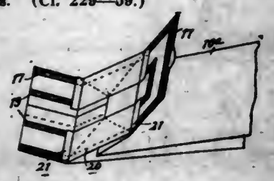
1. A warp knitting machine for making a fabric comprising two sets of threads, in which each individual thread is formed into a series of closed loops, each node is formed by the intermeshing of a plurality of loops of separate threads, and the threads are all pulled tight at the nodes, said machine comprising means for maintaining the fabric under tension and for tightly pulling the nodes of the fabric, and means for giving the yarn guides a greater vertical movement at each stitch than that required merely to pass the threads over the needles for the purpose described.

1,484,382. CLIP FOR ATTACHING ARTICLES OF WEARING APPAREL. THOMAS BERRY ALLITT, Coventry, England. Filed Aug. 31, 1923. Serial No. 660,334. 1 Claim. (Cl. 24—243.)



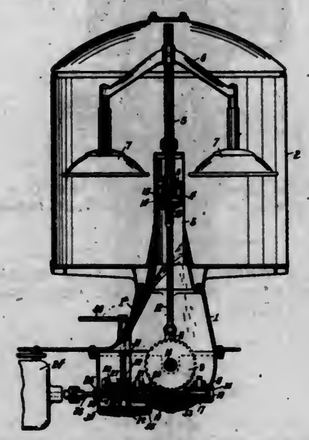
A clip for articles of wearing apparel, comprising two sheet metal members of an open-ended channel or trough formation, disposed with their concave or inwardly-bent faces towards one another, and having their longitudinal edges curled inwards or formed with an inwardly projecting beading, the edges or sides of the one member being adapted to be engaged between the edges or sides of the other member, so as to clip the material between the two members.

1,484,383. SQUARE-BOTTOM PAPER BAG. DANIEL APPEL, Cleveland Heights, Ohio, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 17, 1919. Serial No. 338,711. 13 Claims. (Cl. 229—59.)



1. A paper bag of the class described, having a bottom formed by overlying pasted flaps which are continuations of the four sides of the bag, two of the flaps having their outer marginal portions pasted for their full width to the adjacent portions of the sides of which said flaps are continuations.

1,484,384. POWER-TRANSMISSION MECHANISM AND LUBRICATING MEANS THEREFOR. WILLIAM EMIL BOCK, Eagle Point Colony, Ohio, assignor to Bertha M. Bock, Toledo, Ohio. Filed Oct. 14, 1920. Serial No. 416,783. 4 Claims. (Cl. 184—3.)



1. In combination, a hollow case having a plurality of aligned bearings, one being an open bearing through the case wall and also having an oil distributing pocket and an oil receiving pocket in its bottom spaced longitudinally of the bearings and having drainage communication one with the other, a shaft journaled in the bearings and extending at one end without the case through the open bearing, the normal level of oil in the distributing pocket which is adjacent to the open bearing being below the bearing and the normal level of oil in the other pocket partially submerging the adjacent bearings, and means operable by a rotation of the shaft to discharge oil from the distributing pocket to the receiving pocket.

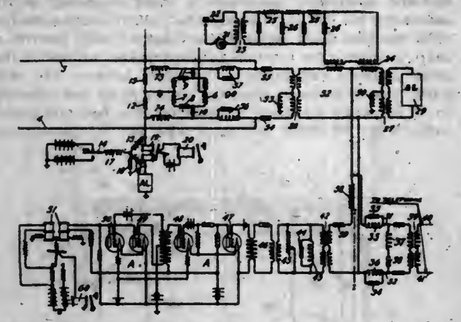
1,484,385. CASTER FOR FURNITURE. ALVIE C. CHIMMEL, Hartford City, Ind. Filed Mar. 16, 1923. Serial No. 625,432. 8 Claims. (Cl. 16—42.)



1. A caster for furniture, which comprises a pintle, a carrying bracket, a sliding shoe formed with an upwardly extending lug having therethrough a transverse bolt aperture, and a bolt connected with the carrying bracket and passing through the aperture in the lug.

1,484,386. TELEGRAPH SYSTEM. GEORGE C. CUMMINGS, East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1919. Serial No. 346,370. 7 Claims. (Cl. 179—4.)

1. In a telegraph system, a metallic line circuit connecting two stations, means for simultaneously transmitting both direct and alternating current telegraph signals over said line circuit, a composite set connected to said line circuit, telephone equipment associated with



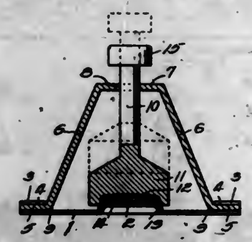
said composite set, and means comprising a set of filters for preventing the superimposing of said alternating current signals on currents in said composite set.

1,484,387. CABLEWAY. MERIAN H. DICKINSON, Seattle, Wash., assignor to Lidgerwood Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1920. Serial No. 422,118. 3 Claims. (Cl. 104—115.)



1. A cableway carriage comprising a frame, a running sheave and a retainer sheave, the flanges of said retainer sheave engaging the flanges of said running sheave and rotatable soley thereby, whereby said retainer sheave is driven by said running sheave.

1,484,388. DEVICE FOR RESHAPING CROWN CAPS. FREDERICK W. DOERING, St. Louis, Mo. Filed Mar. 31, 1922. Serial No. 548,545. 2 Claims. (Cl. 113—38.)

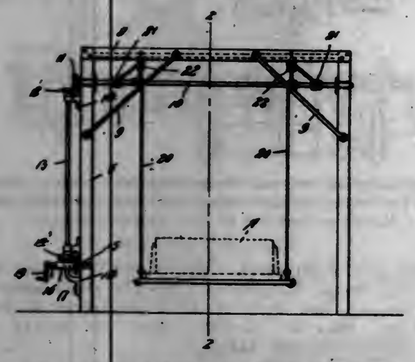


1. In a device for reshaping crown-caps for bottles, the combination with a base plate, a male die struck upwardly therefrom having sloping sides, a U-shaped brace member positioned upon said base plate, a socket formed at opposite ends of said base for receiving the lower ends of said brace member to hold the brace member in position on the base plate, a plunger rod passing through an opening in said brace member, a hammer engaging head at the upper end of said rod, and a female die formed at the lower end of said plunger rod to coact with the male die for reshaping a used crown cap adapted to be seated upon the male die.

1,484,389. HAYRACK AND WAGON-BOX LIFTER. HARM FOLKERS, Austinville, Iowa. Filed May 3, 1923. Serial No. 636,290. 1 Claim. (Cl. 254—47.)

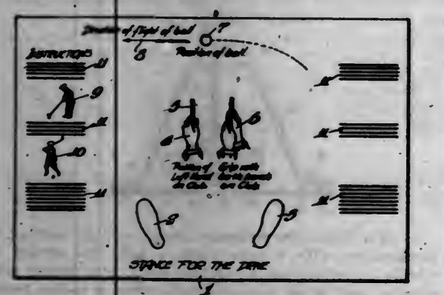
A wagon box lifter comprising posts fixed at points, said posts being arranged in pairs, the posts of each pair being spaced from each other, cross bars mounted upon

the posts of each pair and bracing the same between the posts, other bars interposed between the pairs of posts and the first mentioned cross bars, a shaft connected at its ends with the last mentioned bars, pulley blocks mounted upon the said shaft and movable longitudinally thereof, a shaft journaled for rotation in the members of one of the pairs of posts and bridging the space between the said posts, means mounted upon one of the posts and adapted to be manually operated for rotating the last mentioned shaft, a set of cables connected with the last mentioned



shaft and adapted to wind thereon and having end portions depending therefrom, a bar detachably connected with the free ends of the said cables and bridging the space between the said cables, other cables connected with the last mentioned shaft and arranged to wind thereon, the last mentioned cables being trained through the pulley blocks and having end portions depending therefrom, and a cross bar detachably connected with the free ends of the last mentioned cables and bridging the space between them.

1,484,390. INSTRUCTION CHART FOR PLAYING GOLF. EDMUND D. GIBBS, Akron, Ohio, and THEODORE E. WIEDERSEIM, Philadelphia, Pa. Filed Nov. 1, 1922. Serial No. 596,270. 5 Claims. (Cl. 283—1.)



1. An instruction chart for the game of golf, consisting of a base of suitable material on which the user stands adapted to be placed on the floor or ground and having thereon indicia for determining the correct stance of the player and for indicating the correct position of a golf ball with respect to said stance.

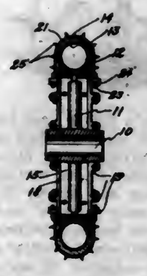
1,484,391. LUBRICATING DEVICE. JOHN WALTER GRANTLAND, Cincinnati, Ohio. Filed Mar. 4, 1922. Serial No. 541,188. 8 Claims. (Cl. 184—6.)

1. In a force-feed lubricator, a reservoir, a delivery conduit attached thereto, a reciprocable hollow plunger connecting said reservoir and conduit, a reciprocating valve seating at one end of said plunger for controlling the lubricant supply thereto, in one stroke of said plunger, and



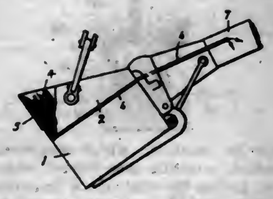
for providing a closure and plunger head in a reverse stroke for forcing a charge of lubricant through said conduit.

1,484,392. ANTISKID DEVICE. FRITZ HALLER, Bernardsville, N. J. Filed June 11, 1923. Serial No. 644,576. 3 Claims. (Cl. 152—14.)



2. A non-skid device comprising a pair of rings secured to a vehicle wheel, said rings being notched to engage the wheel spokes, inreaching flanges formed with said rings, lugs extending oppositely outward from said flanges, said lugs being perforate, strips having bolt ends enterable through the perforations in said lugs, means for stressing said strips, and a plurality of spurs carried by said strips.

1,484,393. SHOVEL HEATING DEVICE. HARRY M. HANSON, Duluth, Minn. Filed Mar. 9, 1923. Serial No. 623,867. 4 Claims. (Cl. 214—145.)

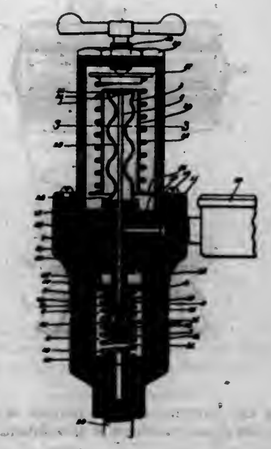


1. The combination with a mechanical shovel, of electric heating elements installed within the walls thereof, and means for supplying constant electric current to the heating elements.

1,484,394. PRESSURE-TRANSLATING DEVICE. ALEXANDER FREDERICK JENKINS, Baltimore, Md. Filed Dec. 4, 1920. Serial No. 428,413. 8 Claims. (Cl. 50—23.)

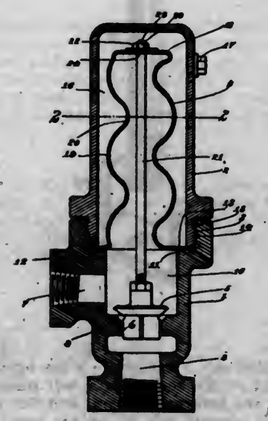
1. A pressure translating device in the form of a tubular container having its opposite sides substantially

parallel and formed in successive peaks and depressions of a depth less than half the diameter of the tube, means



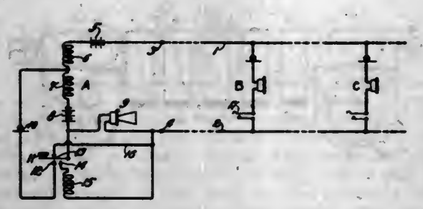
for applying a variable fluid pressure to said tube, changing the form and dimensions thereof, and means adapted to be actuated by said change of form and dimension.

1,484,395. RADIATOR TRAP. ALEXANDER FREDERICK JENKINS, Baltimore, Md. Filed Dec. 4, 1920. Serial No. 428,414. 5 Claims. (Cl. 236—56).



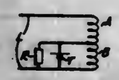
1. A radiator trap having an actuating member consisting of a tube bent in the form of alternate peaks and depressions, the opposite sides of the tube forming the peaks and depressions, being substantially parallel and so spaced and related as to admit a valve rod inside the tube and permit it to be reciprocated longitudinally therein, a valve rod in said tube, a valve on said rod, and a valve seat with which the said valve co-operates.

1,484,396. TELEPHONE SYSTEM. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,522. 12 Claims. (Cl. 179—81.)



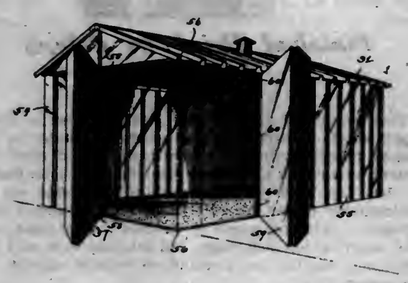
1. A telephone system comprising, a pair of line conductors; a bridge across said line conductors including a transformer, a neutral receiver and a source of energy in series; a second bridge across said line conductors for completing a circuit through said receiver and source.

1,484,397. SUBSTATION CIRCUITS. KENNETH S. JOHNSON, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1921. Serial No. 436,804. 5 Claims. (Cl. 179—81.)



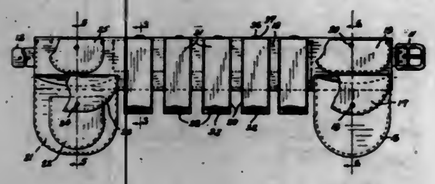
1. A substation circuit comprising a transmitter and a receiver, connections from said instruments to a line, said instruments being connected effectively in parallel with each other with respect to signaling currents from said line, said connections comprising a two-winding auto-transformer between at least one of said instruments and said line, and a battery connected to send current through said line, said last mentioned instrument being energized by direct current from said battery.

1,484,398. SHEET-METAL BUILDING STRUCTURE. BENJAMIN KEEBER, Baltimore, Md. Filed Dec. 24, 1921. Serial No. 524,722. 7 Claims. (Cl. 189—1.)



1. In a sheet-metal building the combination with a corrugated wall structure with lateral flanges at the upper edge between the corrugations, of a corrugated roof having flat portions between its corrugations which flat portions extend over the lateral flanges on the upper edges of the wall structure and fastening devices passing through the flat portions of the roof and the said lateral flanges of the wall structure for holding the roof down.

1,484,399. CASTING-TACKLE BELT. FRANCIS J. KROHA, Danbury, Conn. Filed July 21, 1922. Serial No. 576,512. 3 Claims. (Cl. 224—5.)



1. A fisherman's belt including means for securing it about the body of the user, said belt having pockets opening adjacent its upper edge, relatively large pockets secured to the front of the belt adjacent the opposite ends thereof, said pockets opening at the top and provided with overhanging closures, and self closing boxes adapted to hold casting tackle secured to the belt between the latter pockets, said boxes comprising outer members secured to the belt and open at the top and front, a box shaped container pivoted between the side members adjacent its lower end, said container being open at the rear and closed on all other sides, and a spring tending to hold the container in an upright position with its open side against the outer member.

1,484,400. METHOD OF MAKING COLOR PLATES FOR USE IN LITHOGRAPHY, PHOTO-ENGRAVING, ETC. EDWIN D. LOUNSBURY, White Plains, and OTTO ZIMMER, Brooklyn, N. Y. Filed July 26, 1919. Serial No. 313,646. 1 Claim. (Cl. 95—5.1.)



Finished Print in Colors

That method of making color plates for use in lithography which consists in taking separation negatives and making photographic prints from them, one of each color desired, retouching a separate print for each color desired so that the work may be practically finished on the photographic prints, photographing each retouched print through a half-tone screen to produce a high light half-tone negative for each color, and printing each said last mentioned negative on a sensitized element suitable for photo-engraving.

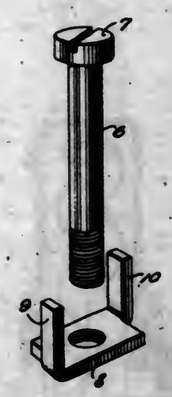
1,484,401. INDICATOR LINE FOR CYLINDRICAL CHART SCALES. GEORGE M. LUDLOW, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1922. Serial No. 575,371. 7 Claims. (Cl. 235—87.)

1. In an indicator for scales having a plurality of aligned charts, a single line adapted to extend across and present different portions thereof in reading relation to the respective charts, and independent means for adjust-



ably fixing the direction of each portion of said line with respect to the chart to which it is related.

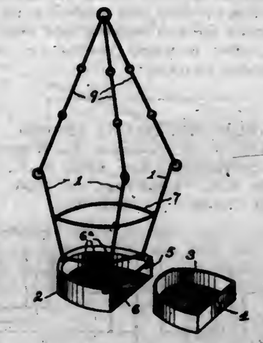
1,484,402. FASTENING FOR TELEPHONE KEY BASES. HAROLD T. MARTIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,302. 8 Claims. (Cl. 179—91.)



1. In combination; a key shelf; a key base; a pair of bars supported on the key shelf; a bolt passing through the key base and between the bars, said bolt being rotatable from the external side of the key base; and a nut for the bolt of a size to pass between the bars and shaped to engage them automatically when the bolt is tightened.

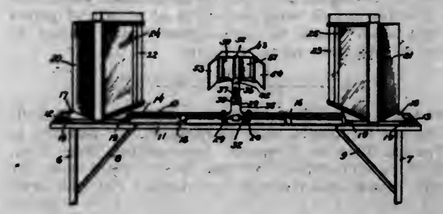
1,484,403. FLOWERPOT HOLDER. JANNETTE MILLER, Eau Claire, Wis. Filed June 14, 1922. Serial No. 568,268. 4 Claims. (Cl. 47—35.)

1. A holder for flower pots and the like, including a box, upstanding wire arms projecting from the box, connecting means between the upstanding arms to provide a skeleton frame to receive a flower pot, wires extending transversely across the top of the box to support the



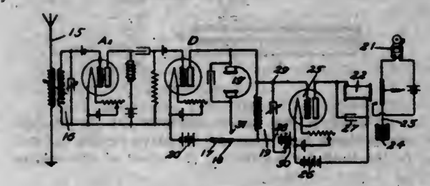
flower pot, and a tray slidably mounted within the box to receive the drainage of the flower pot, said tray being removable independently of the flower pot.

1,484,404. STEREOSCOPE. ARTHUR MUTSCHELLER, New York, N. Y., assignor to Wappler Electric Co., Inc., a Corporation of New York. Filed Oct. 10, 1919. Serial No. 329,797. 6 Claims. (Cl. 88—29.)



1. The combination, with a pair of supports for stereoscopic objects to be viewed, of a stereoscopic head divided into separate parts, one for viewing each object, one of said parts being adjustable relatively to the other, in a predetermined plane, said stereoscopic head as a whole being adjustable bodily in a plane crossing the plane first mentioned.

1,484,405. SIGNALING SYSTEM. ARTHUR A. OSWALD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 12, 1920. Serial No. 350,983. 13 Claims. (Cl. 250—2.)



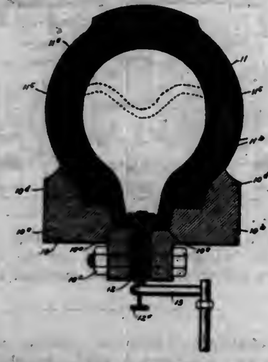
2. In a radio signaling system, means for transmitting a radio frequency wave modulated by a wave of signaling frequency, receiving circuits for selecting the modulated wave and detecting and selecting the wave of signaling frequency, a slow-acting indicator actuated by the wave of signaling frequency and means in circuit with said indicator for increasing the voltage-operating ratio of said indicator.

1,484,406. HANDLE-ATTACHING MEANS FOR DOOR LATCHES. LEON OTTINGER, New York, N. Y. Filed Jan. 20, 1923. Serial No. 613,809. 8 Claims. (Cl. 292—350.)



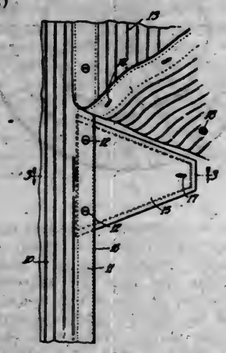
1. In combination with an automobile door latch having a casing, a rollback lever mounted therein and an exterior operating handle shaft for said lever having an end portion adapted to be fitted in a bore formed in the rollback lever, a locking element adjustable from the exterior of the latch casing and provided with a part to coact with means on said shaft end and positively lock the shaft end in the rollback bore against axial movement in either direction, and also operating to urge the shaft end in an angular direction relative to its axis and into frictional binding engagement with the wall of said bore.

1,484,407. AIR BAG FOR USE IN THE MANUFACTURE OF PNEUMATIC TIRES. JOHN FULLERTON PALMER, St. Joseph, Mich. Filed Mar. 6, 1920. Serial No. 363,909. 5 Claims. (Cl. 18—45.)



5. An air bag of the type described comprising a tube of rubber having imbedded therein a knit fabric expansible in all directions and superimposed reinforcing strips applied to the inner periphery of said bag and terminating on either side thereof.

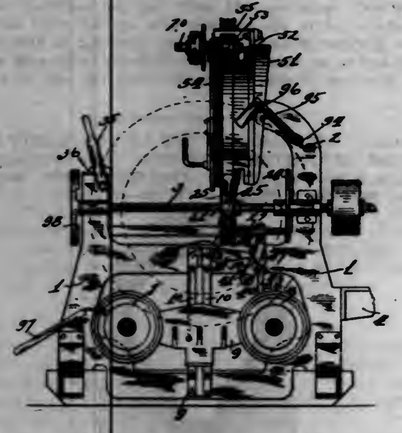
1,484,408. SHIRT. PAUL M. PAMPERIN, La Crosse, Wis. Filed Oct. 29, 1923. Serial No. 671,324. 4 Claims. (Cl. 2—41.)



1. The combination with a coat shirt having buttons along one front edge thereof and co-operating buttonholes along the other and overlapping edge thereof, of

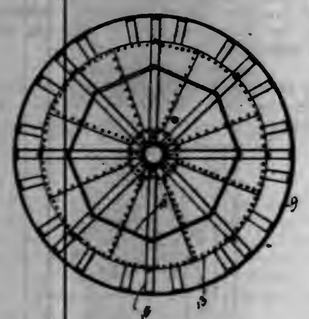
an auxiliary abdominal bandage, one end of which is sewn along said button edge, said bandage extending beyond said button edge and beneath the overlapping side of said shirt, the opposite end of said bandage and an inwardly spaced point on said overlapping side being provided with co-operating fastening means for preventing the spreading apart of said two edges between two of said buttons on said button edge and for tending to prevent said shirt from working up at the waist line by presenting a smooth fitting surface across the abdomen.

1,484,409. WRAPPING AND UNWRAPPING MACHINE. FRANK M. PIRACE, Chicago, Ill. Filed Apr. 29, 1920. Serial No. 377,531. 2 Claims. (Cl. 242—6.)



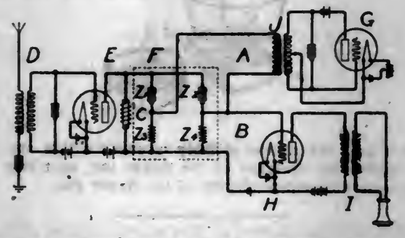
1. In a machine of the class described, a rotatable shuttle, a reel rotatably mounted on the shuttle, and a chain drive for rotating the reel enclosed by the shuttle.

1,484,410. MARINE VEHICLE. OTTO S. PRIDGEN, Richmond, Va. Filed Oct. 2, 1923. Serial No. 666,163. 1 Claim. (Cl. 115—1.)



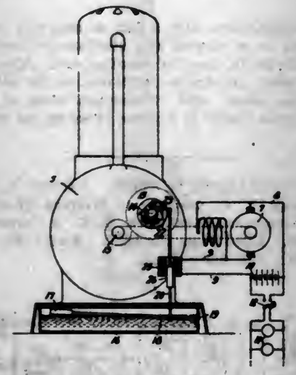
A marine vehicle including a floatable hull adapted to provide passenger and freight carrying compartments, floatable supporting wheels rotatably mounted on the hull for supporting the same for movement over the ground or the surface of the water, means for effecting the movement of the vehicle, said supporting wheels being formed of side plates arranged in spaced relation, said side plates being formed of a plurality of interconnected radially extending plates, a tread portion of curved section connecting said side plates, said tread portion being composed of a plurality of interconnected arcuate plates, whereby an enclosed floatable body is formed by the side plates and the tread portion, radial supporting sections mounted within the wheel body and engaging the tread portion and spacing elements secured to the supporting sections between said side plates and adjacent the outer periphery thereof for holding said sections in spaced relation.

1,484,411. RADIO RECEIVING SYSTEM. HARRY S. READ, Ithaca, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,235. 11 Claims. (Cl. 250—20.)



3. In a circuit arrangement for radio receiving systems, a receiver circuit, a local oscillation circuit, a detector circuit and a mesh circuit coupling said circuits, the receiver and oscillation circuits being connected to conjugate pairs of points in said mesh, and the detector circuit being connected at a pair of points in said mesh which is non-conjugate with respect to either of said other pairs of points.

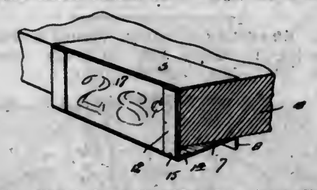
1,484,412. PRIME MOVER DYNAMO PLANT. CHARLES E. REDDIG, Kew Gardens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,026. 11 Claims. (Cl. 290—41.)



1. In combination, an engine operated by liquid fuel, a fuel supply tank, and means responsive to the amount of fuel in the tank for regulating the speed of the engine.

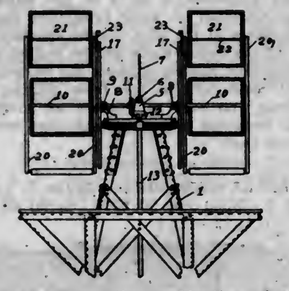
1,484,413. TICKET HOLDER. ALPHONSE ROBERGE, Somersworth, N. H. Filed Sept. 10, 1923. Serial No. 661,973. 1 Claim. (Cl. 40—16.)

A price ticket holder for shelves comprising a resilient sheet metal clasp embodying upper and lower jaws connected by a front member, said front member being adapted to engage the front edge of the shelf with the jaws engaging opposite faces of the latter and having end wings extending toward each other in front of said intermediate front member of the clasp to form guide ways for the ends of a price ticket, and means upon the lower ends of said wings for limiting downward movement of the ticket behind said wings, the clasp being



transversely slitted from its side edges inwardly at the points of connection of the jaws with the intermediate front member of the clasp, and said limiting means embodying tongues upon the lower ends of the wings extending rearwardly through said slits.

1,484,414. AIR MOTOR. PHILLIP K. RUCKEL, Saginaw, Mich. Filed Sept. 19, 1921. Serial No. 501,523. 3 Claims. (Cl. 170—24.)



1. In an air motor, the combination of a revolvable support, a tail carried by said support, a shaft rotatably mounted on said support and projecting radially therefrom, a pair of wheels fixed to each of the projecting ends of said shaft, the wheels of each pair spaced apart, a plurality of tiltable vanes mounted between the rims of said wheels, a radially projecting bar and a deflecting wiper secured to said vane, projections on the ends of said bar, a cam track of approximately circular shape throughout the length of its circumference and located in fixed position relative to said vanes, a fixed cam guide in the path of travel of said wiper, the projections on said bar movably engaged with and adapted to travel along said cam track.

1,484,415. TOOTH PASTE. JOHN P. SHEPHERD, Chicago, Ill., assignor, by mesne assignments, to Shepherd Chemical Company, a Corporation of Illinois. Filed Feb. 20, 1920. Serial No. 360,024. 4 Claims. (Cl. 167—9.)

1. A dentifrice including an antiseptic substance, a soft abrasive and cholesterin.

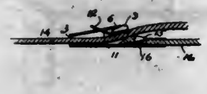
2. In a dentifrice, cholesterin and iodine, constituting together less than ten per cent of the whole.

3. A dentifrice including iodine, cholesterin and a soft abrasive.

4. A dentifrice including cholesterin and a soft abrasive

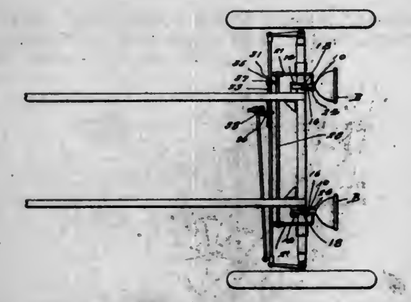
1,484,416. BELT BUCKLE. JOHN T. SKILLINS, Westbrook, Me. Filed July 7, 1922. Serial No. 573,386. 2 Claims. (Cl. 24—194.)

1. A belt buckle including a flat tube substantially straight on one side, thickened at or near the center and sloping toward the rear end with an inclined wall, a longitudinal slot being formed in said wall closed at its ends, a sliding binder having downward extending teeth at its forward end for holding the belt from slipping and having upturned flanges at its lateral ends with rearwardly inclined upper edges adapted to slide beneath said wall to force the binder into contact with



the belt and having rearward extending operating binder tongue extending through said slot at an angle with said binder and lateral wings on said tongue for tilting said binder with its engaging teeth in raised position to clear the belt, a cross wall at the forward end of the buckle to form the opening for one end of the belt and engaging devices on said wall for holding the belt.

1,484,417. MOVABLE HEADLIGHT. EMMETT H. SNEAD, Danville, Va. Filed June 3, 1922. Serial No. 565,556. Renewed Jan. 21, 1924. 1 Claim. (Cl. 240—62.)

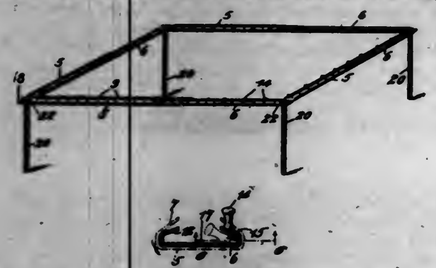


The combination with a vehicle having a steering mechanism, and headlights each including a post, of a bracket for each headlight, a block pivoted on said bracket for horizontal swinging movement, each block including spaced bores arranged at right angular relation, one of said bores receiving the adjacent post of the headlights, angular shaped arms for the respective blocks, one end of each arm being received by the remaining bore of said block, a rod arranged transversely of the running gear of the vehicle, said arms having ball and socket connections with the terminals of said rod, a second rod having one end connected with the first mentioned rod by a ball and socket connection, a plate slidably supported on the second mentioned rod and connected with the steering mechanism of the vehicle, coiled springs surrounding the second mentioned rod and arranged at the opposite sides of said plate defining cushioning means, and said rod moving in unison incident to the steering of the vehicle to simultaneously turn the headlights as and for the purpose specified.

1,484,418. CURTAIN STRETCHER. DOROTHY SOLOMON, New York, N. Y. Filed Sept. 6, 1922. Serial No. 586,403. 2 Claims. (Cl. 45—24.)

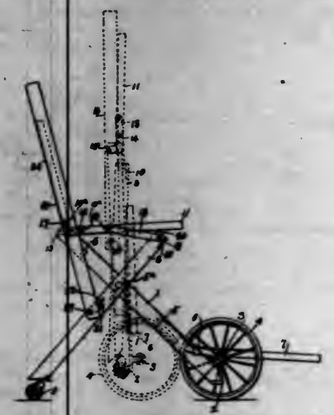
1. A curtain stretcher comprising frame members each consisting of two flat telescoping sections of unequal width, each section being provided with longitudinally extending lateral flanges having their ends spaced from the ends of said sections, the outer section being provided with a plurality of fixed curtain attaching pins, the inner section having a plurality of recesses formed

in one of its flanges and a plurality of curtain attaching pins hingedly connected to the flange of said section and adapted to be moved within the recesses of said flange



into alignment with the fixed pins of the outer section when in use, or to be pressed inward to permit the sections to be telescoped together.

1,484,419. FOLDING CHAIR. SARAH V. D. STIRLING, New York, N. Y. Filed Feb. 2, 1923. Serial No. 616,561. 4 Claims. (Cl. 155—30.)



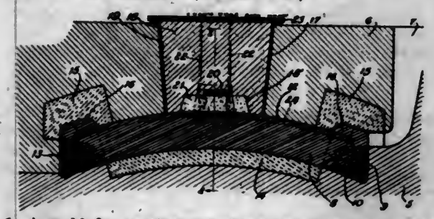
1. In a chair, the combination with a back pair of legs, a front pair of legs, an axle mounted on the latter, supporting wheels on the axle, a foot rest pivoted to said front pair of legs and adapted to rest upon the axle when in use, and to be folded back against the front pair of legs when not in use, of a seat pivoted to the upper portion of both pairs of legs and back bars pivoted to the seat and to the legs.

1,484,420. WRIST WATCH. MAX M. SUDEROV, New York, N. Y. Filed May 6, 1921. Serial No. 467,472. 3 Claims. (Cl. 58—88.)



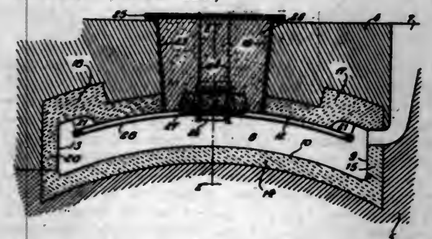
1. A wrist watch frame or case, comprising an elongated main body having a central opening for a watch case, the ends of said body being hollow, a combined reenforcing and spacing bead along the outer edge of the opposite sides of the frame, two covers hinged on opposite sides of the frame at one end and conformed thereto and adapted to close thereon against the bead, and snap shoulders formed on the opposite end of said main frame from said hinges and arranged to co-act with the adjacent ends of the covers to hold the latter closed.

1,484,421. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,769. 21 Claims. (Cl. 22—125.)



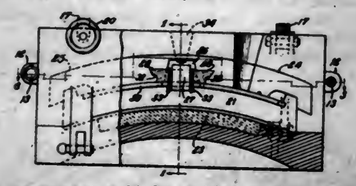
1. A mold for casting a brake shoe having an integral composite body, and comprising a metal drag and a metal cope with a brake shoe mold cavity therein, parts of the walls of said cavity being bare metal of said drag and cope and intermediate parts of the walls of said cavity being composed of solid refractory material so that those portions of the shoe casting opposite the bare metal parts of the cavity walls will be chilled and those portions of the shoe casting opposite the refractory parts of the cavity walls will be free from chilling effect of the metal drag and cope to produce an integral shoe body casting composed in part of soft cast iron and in part of chilled iron.

1,484,422. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,770. 9 Claims. (Cl. 22—126.)



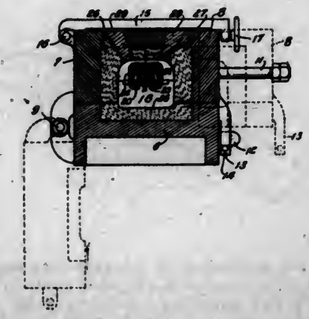
1. A permanent mold for making castings, and comprising a metal drag and a metal cope with a mold cavity formed therein, the cope having an opening communicating with the mold cavity, a sand plug seated in said opening and forming a part of the top wall of the mold cavity, and sections of refractory material seated in the drag and in the cope and forming the remaining parts of the walls of the mold cavity.

1,484,423. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,771. 27 Claims. (Cl. 22—101.)



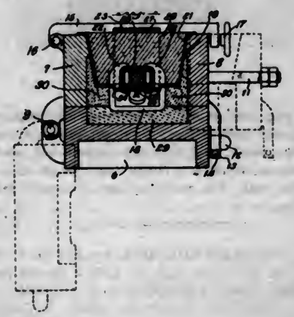
1. A permanent mold for making castings, comprising a relatively fixed member, a hinged member, a slidable member, and means for securing said members together to close the mold.

1,484,424. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,772. 4 Claims. (Cl. 22—126.)



1. A permanent mold for making castings, comprising a drag member and a two-member cope having a mold cavity therein, one member of the cope being relatively fixed and the other member being slidable, the drag member being movable relative to the cope members, a facing of refractory material on the drag and cope members and forming the walls of the mold cavity, and means for holding the mold members together during the casting operation.

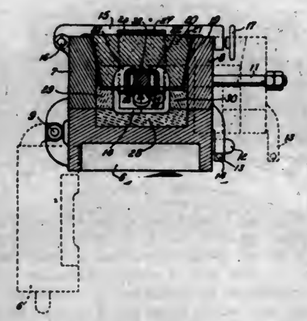
1,484,425. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,773. 7 Claims. (Cl. 22—126.)



1. A permanent mold for making castings, comprising a drag and a cope having a mold cavity therein, said cope having an opening communicating with said cavity, a sand plug in said opening, the drag member being movable bodily away from the cope to leave the bottom of the mold cavity open so that parts to be embedded in the casting may be inserted in the mold cavity through the bottom thereof, means carried by said plug for suspending said parts in the mold cavity, and means for securing the members of the mold in closed position during the casting operation.

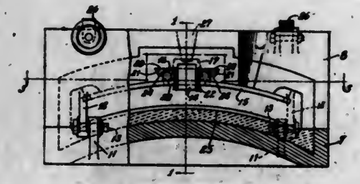
1,484,426. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,774. 2 Claims. (Cl. 22—125.)

1. A permanent mold for making castings, comprising a drag and a cope having a mold cavity therein, said cope having an opening communicating with said cavity, a sand plug in said opening, the drag being bodily movable away from the cope to leave the bottom of the mold cavity open so that the parts to be embedded in the casting may be inserted in the mold cavity through the bottom thereof, means carried by said plug for suspending said parts in the mold cavity, a facing of refractory material on the



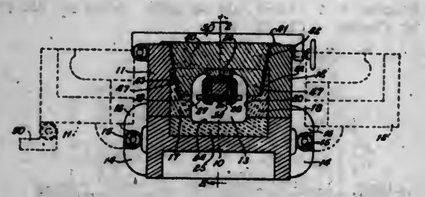
drag and cope members and forming the walls of the mold cavity, and means for securing the members of the mold in closed position during the casting operation.

1,484,427. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,775. 12 Claims. (Cl. 22—126.)



1. A permanent mold for making castings, comprising a drag and a two-member cope having a mold cavity therein, said cope members being hinged on the drag member to swing outwardly thereon, each of said cope members having a part of the mold cavity therein and adapted to accommodate a portion of the parts which are to be embedded in the casting, and means for holding said parts in one cope member and for permitting the other cope member to be swung to closed position without disarranging said parts.

1,484,428. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,776. 10 Claims. (Cl. 22—167.)



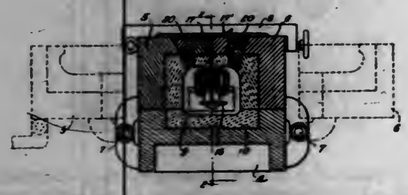
1. A permanent mold for making castings, comprising a drag and a two-member cope, each of said cope members having a part of the mold cavity therein and adapted to accommodate a portion of the parts which are to be embedded in the casting, and a centrally disposed sand plug having spaced portions of its surface forming portions of the mold cavity walls formed in said cope members.

1,484,429. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,777. 8 Claims. (Cl. 22—125.)



1. A permanent mold for making castings, comprising a drag and a cope having a mold cavity therein, said cope having spaced openings therethrough communicating with said cavity, porous cores in said openings, and wires embedded in said cores for suspending a member within the mold cavity to be embedded in the casting.

1,484,430. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,778. 10 Claims. (Cl. 22—125.)



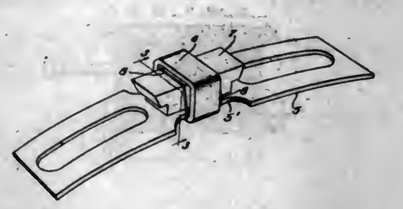
1. A permanent mold for making castings, comprising a drag and a cope having a mold cavity therein, the cope adapted to be opened to permit the insertion of a unit therein and also being provided with grooves extending therethrough and communicating with the mold cavity, and wires extending through said grooves and having angularly disposed means adapted to be turned to operatively engage the unit and the cope to suspend the unit in the mold cavity.

1,484,431. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,779. 13 Claims. (Cl. 22—126.)



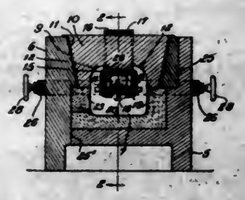
1. A permanent mold for making castings, comprising a frame, a drag pivotally mounted on the frame, and a two-member cope, each of said cope members being pivotally mounted on the frame.

1,484,432. MANUFACTURE OF BRAKE SHOES. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,780. 5 Claims. (Cl. 22—167.)



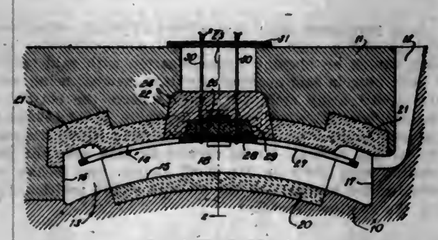
1. In the manufacture of brake shoes, an assembly unit of parts to be inserted in the mold cavity of the brake shoe mold, and comprising a reinforcing back, a core for forming the opening in the attaching lug of the shoe, and means for fastening the back and the core together.

1,484,433. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed July 20, 1923. Serial No. 652,781. 5 Claims. (Cl. 22—126.)



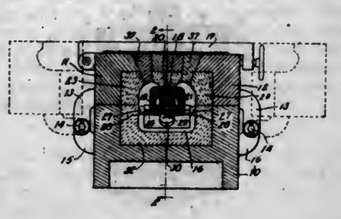
1. A permanent mold for making castings comprising a metal drag and a metal cope having a mold cavity therein, the bottom wall, one side wall and one end wall of the mold cavity being formed on the drag, and the top wall, one side wall and one end wall being formed on the cope.

1,484,434. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed Aug. 1, 1923. Serial No. 655,064. 12 Claims. (Cl. 22—126.)



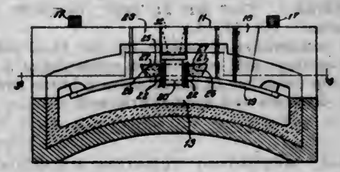
1. A permanent mold for making castings, and comprising a drag and a cope having a mold cavity therein, said cope having a recess communicating with the mold cavity and having an opening communicating with said recess, a porous plug seated in said recess, and means extending through said porous plug and through said opening for securing in place in the mold cavity the parts to be embedded in the casting.

1,484,435. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed Aug. 1, 1923. Serial No. 655,065. 11 Claims. (Cl. 22—125).



1. A permanent mold for making castings, and comprising a drag and a cope having a mold cavity therein, and means engaging the parting surface of the drag for holding in place in the mold cavity the parts to be embedded in the casting.

1,484,436. BRAKE-SHOE MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed Aug. 1, 1923. Serial No. 655,066. 8 Claims. (Cl. 22—167.)



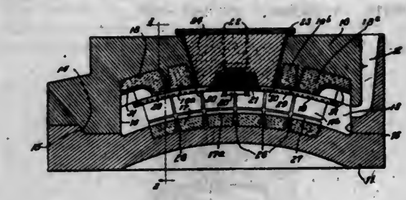
1. The combination with a core for forming the opening in the attaching lug of a brake shoe, of a permanent mold for casting the brake shoe and comprising a drag and a two-member cope having a mold cavity therein, each of said cope members having a part of the mold cavity therein, and one of said cope members having a recess adapted to receive the entire core.

1,484,437. MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed Nov. 20, 1923. Serial No. 675,792. 20 Claims. (Cl. 22—126.)



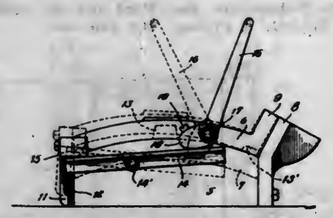
1. A mold for making brake shoes and other castings, comprising a metal drag and a metal cope and having a mold cavity therein, a refractory section seated in said mold and having a face thereof forming a wall surface of the mold cavity, the remaining faces of the refractory section being protected by the metal of the mold.

1,484,438. MOLD. JAMES S. THOMPSON, Pelham, N. Y. Filed Nov. 20, 1923. Serial No. 675,793. 6 Claims. (Cl. 22—126.)



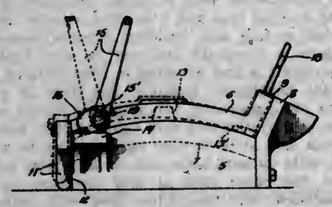
1. A mold for making brake shoes and other castings, and embodying a metal drag and a metal cope having a mold cavity therein, said mold cavity having a wall for forming an unchilled portion of the shoe or other casting and comprising a plurality of refractory sections having faces exposed in the mold cavity, and an inwardly projecting rib for protecting a face of each of two adjacent refractory sections, said protected faces of said sections forming edges with said faces thereof exposed in the mold cavity.

1,484,439. MOLD FOR MAKING CASTINGS. JAMES S. THOMPSON, Pelham, N. Y. Filed Dec. 28, 1923. Serial No. 683,162. 7 Claims. (Cl. 22—92.)



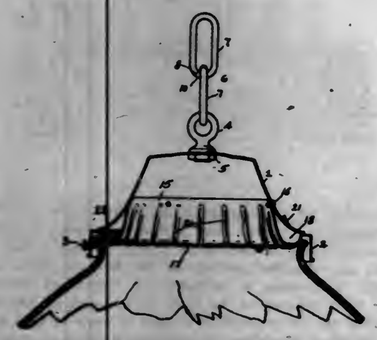
1. A permanent mold for making castings comprising a drag and a cope, a projection on the cope, and a lever on the drag adapted to be operated to engage the projection of the cope for loosening the cope from the drag and casting after the casting has been made.

1,484,440. MOLD FOR MAKING CASTINGS. JAMES S. THOMPSON, Pelham, N. Y. Filed Dec. 28, 1923. Serial No. 683,161. 4 Claims. (Cl. 22—92.)



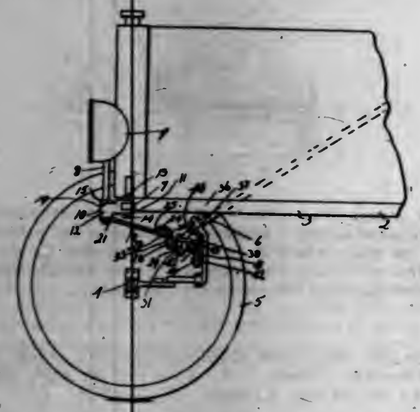
1. A permanent mold for making castings comprising a drag and a cope, a projection on the drag, and a lever pivotally mounted on the cope to engage said projection for loosening the cope from the drag after the casting has been made.

1,484,441. LIGHTING FIXTURE. FREDERICK W. WAKEFIELD, Vermilion, Ohio, assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio, a Corporation of Ohio. Filed June 28, 1923. Serial No. 648,219. 5 Claims. (Cl. 240—128.)



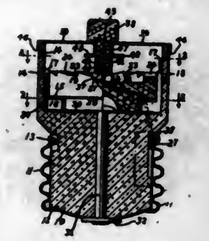
1. In a lighting fixture, the combination of a globe holder open at the bottom, a member secured within said holder and forming an annular channel, an opening in said holder above such channel, whereby weighting material may be inserted in said channel.

1,484,442. DIRIGIBLE HEADLIGHT. ROBERT WEBSTER, Philadelphia, Pa. Filed Jan. 11, 1923. Serial No. 612,041. 2 Claims. (Cl. 240—62.)



1. The combination with a vehicle including the ordinary lamp holding lugs and a steering column, of brackets attached to said lugs, bushings rotatably mounted in the brackets, a headlight mounted in each bushing to rotate therewith, a link attached to each bushing, means to hold the headlights, bushings and links in place, a connecting bar comprising two members having overlapping ends, said overlapping ends being slotted, bolts passing through said slots to hold the members in adjusted positions, nuts on said bolts, one of said bolts having a ball head, the outer ends of said members being upwardly inclined, ears projecting from said outer ends, means to pivot the other ends of the links to said ears, a hanger attached to the lower end of the steering column, an upwardly projecting arm pivoted to the lower end of the hanger and a pitman rigidly connected at one end to said arm and having a socket at the other end for connection to the ball head of bolt on the connecting bar.

1,484,443. MULTIPLE-FUSE PLUG. PETER B. WEILER, Detroit, Mich. Filed Apr. 8, 1921. Serial No. 459,672. 8 Claims. (Cl. 200—125.)

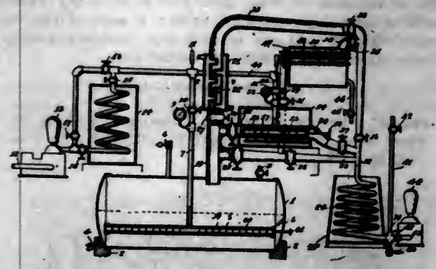


4. In a device of the class described, the combination of a body member having a recess in the top thereof, with a cover, a plurality of fuse elements disposed within the recess, a shank extended through said cover member, a brush connected to said shank to thereby be moved to successively contact with said elements, and combined means for fastening the brush to the shank, and for insulating the brush from the cover member.

1,484,444. COMPOSITION OF MATTER. JOHN MACNAULL WILSON, Montclair, N. J.; Cora Ellsworth Wilson, executrix of said John MacNaull Wilson, deceased, assignor to Wilson-Imperial Company, a Corporation of Delaware. Filed May 21, 1920. Serial No. 383,047. 3 Claims. (Cl. 87—5.)

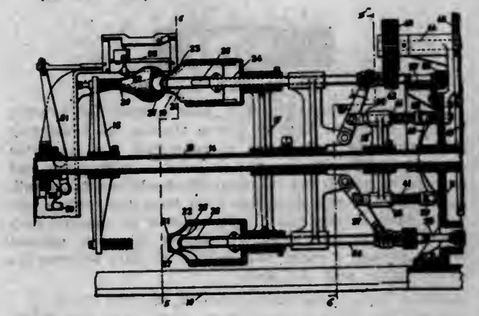
1. A composition of matter for use in cleaning protective coatings, said composition consisting of a mixture of a syrup consisting of gum Karaya solution and a solution of glycerine and hydrochloric acid.

1,484,445. METHOD OF TREATING HYDROCARBONS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Original application filed Nov. 18, 1914, Serial No. 872,698. Divided and this application filed Feb. 28, 1921. Serial No. 448,735. 3 Claims. (Cl. 196—25.)



1. The process of producing gasoline-like products from heavier hydrocarbons of a boiling point higher than gasoline, consisting in subjecting the heavier hydrocarbons to a cracking temperature while in a still to decompose the same, in permitting an expansion of generated vapors in a suitable vapor space, in passing the vapors from said vapor space through a passageway to a reflux condenser located away from the still, in causing a retarded flow of the vapors in a restricted stream through said reflux condenser, in separating the heavier insufficiently cracked vapors from the gasoline-like vapors by condensing said substantially heavier vapors during their retarded flow through the reflux condenser without substantially condensing the gasoline-like vapors, by maintaining the temperature of the reflux condenser such as to condense the vapors that do not have a sufficiently low boiling point by the application of a temperature controlling medium to said reflux condenser, in recracking the reflux condensate, in discharging the uncondensed gasoline-like vapors from the reflux condenser to a final condenser without again admitting said vapors to the cracking still, in collecting the condensed gasoline-like oil, and in maintaining a superatmospheric pressure on the oil undergoing distillation in the still, and on the vapors while in the vapor space and during their retarded travel through the reflux condenser and while in the final condenser.

1,484,446. MACHINE FOR PEELING AND CUTTING PEARS. NARSETE FELIZIANETTI, San Leandro, Calif. Filed Mar. 14, 1923. Serial No. 624,923. 11 Claims. (Cl. 146—35.)



1. In a machine of the character described, a plurality of operating units mounted for movement about a common axis, said units comprising a halving blade, means for supporting a fruit in an operative position relative to said blade, and means for reciprocating said blade to halve the fruit.

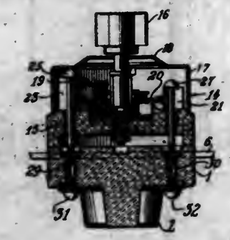
1,484,447. STRAIN INSULATOR. HARRY B. GEAR, Chicago, Ill., assignor to G. & W. Electric Specialty Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1917. Serial No. 160,669. 3 Claims. (Cl. 173—366.)



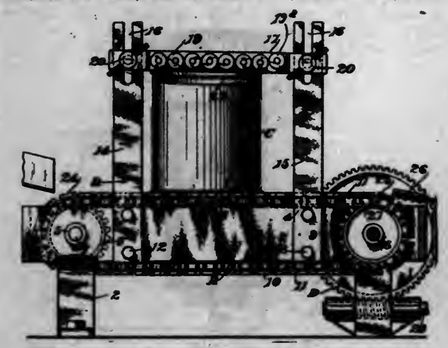
2. A strain insulator comprising in combination, a substantially frusto-conical inner body provided with a plurality of longitudinal grooves of various sizes in the peripheral face thereof, an outer body having a recess therein conforming substantially to the shape of said inner member for receiving the latter for longitudinal and rotative adjustment therein, said recess having disposed from end to end thereof a plurality of circumferential ribs, an integral end wall having a plurality of apertures adapted to be brought into alinement with some of the grooves in said inner body, and means for axially connecting said bodies.

1,484,448. COMBINED SWITCH AND FUSE BLOCK. GERALD W. HART, West Hartford, Conn., assignor to The Hart Manufacturing Company, Hartford, Conn., a Corporation of New Jersey. Filed Feb. 23, 1921. Serial No. 447,140. 4 Claims. (Cl. 175—298.)

1. In a combined fuse block and switch a fuse block having upon one face three binding posts and a fuse socket, said fuse socket comprising a screw shell terminal and a central terminal, and on the opposite face four successive equally spaced anchorages arranged in a circle and two bus-bars, one of said anchorages being electrically connected to one of said socket terminals and to one of said binding posts and one of said bus-bars being connected to the other terminal of said socket, another of said anchorages being connected to the other of said bus-bars, and the other two anchorages being intermediate and connected to the other two binding posts respectively, a rotary series-multiple snap-switch mounted on said opposite face, said snap-switch having four successive switch terminals, and means electrically and mechanically connecting said successive switch terminals to said successive anchorages respectively, the means connecting the anchorages and switch terminals together holding said switch in position upon said opposite face.



1,484,449. CAN-TOPPING MACHINE. CHARLES JOSEPH HULTEN, Oakland, Calif., assignor of one-half to Oliver S. Orrick, Oakland, Calif. Filed June 21, 1922. Serial No. 569,848. 2 Claims. (Cl. 113—27.)

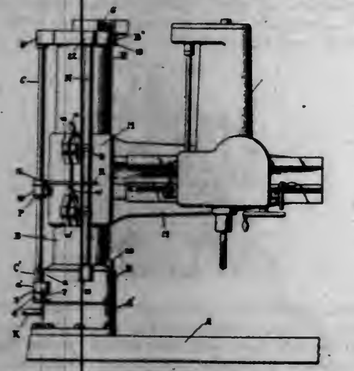


1. A can topping machine comprising a main frame, a pair of sprocket gears journalled at each end thereof, a pair of endless chains carried by said gears, cross bars connecting said chains and forming an endless receiving and supporting platform, means for transmitting a continuous drive to the sprocket gears and the chains and cross bars carried thereby, a longitudinal support engaging the underside of the cross bars, means for delivering cans in line formation to the endless platform, said cans being provided with friction lids, which have been loosely applied, a series of rollers successively engageable with the lids of the respective cans to force the lids gradually into place, and a relieving roller disposed at the end of the first named rolls.

1,484,450. COLUMN-CLAMPING MECHANISM. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 6, 1921. Serial No. 498,684. 2 Claims. (Cl. 77—28.)

1. A radial-drill combining a post; a sleeve pivoted thereto; an arm vertically adjustable on said sleeve; a clamp for locking said sleeve to said post; a clamp for

locking said arm to said sleeve; hand-levers for actuating said arm-clamp; an upright shaft operatively connected with said sleeve clamp; a bearing bracket secured upon said arm; a bearing sleeve journaled in said bearing



bracket and having a spline connection with said shaft; and a hand-lever fixed to said bearing sleeve and having its free end adjacent said arm clamping levers for manually actuating said sleeve clamp.

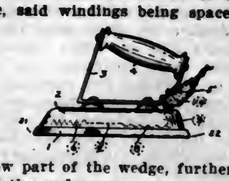
1,484,451. ELECTRIC WATER HEATER AND SWITCH. MILTON H. SHOENBERG, San Francisco, Calif. Filed Feb. 2, 1921. Serial No. 441,987. 6 Claims. (Cl. 219—39.)



1. An electric heater comprising a metallic sheath open at the top and extending into a casing through which a fluid is adapted to flow and sealed to prevent the entry of said fluid in said sheath, an electric resistance element inserted into said sheath and connections thereto introduced through said open top, a thermostat element constructed and adapted to move a latch under temperature variations and a switch adapted to make or break an electric circuit through said resistance, an escapement pin associated with said switch and adapted to engage said latch when said thermostat is below a predetermined temperature and which is released therefrom by the movement of said latch when said temperature is exceeded and spring means by which said switch is moved into open circuit position whenever said latch clears said pin.

1,484,452. ELECTRIC IRON. MILTON H. SHOENBERG, San Francisco, Calif., assignor to Majestic Electric Development Company, San Francisco, Calif., a Corporation of California. Filed Mar. 4, 1922. Serial No. 541,156. 7 Claims. (Cl. 219—25.)

1. In an electric iron a heating unit comprising an electrical resistance wound on insulation material resistance wound on insulation material of substantially flat wedge shape, said windings being spaced close together



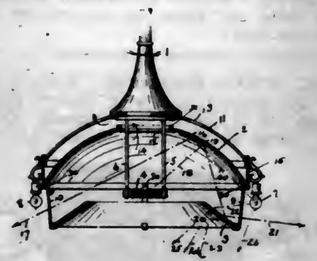
on the narrow part of the wedge, further apart over the wide part of the wedge.

1,484,453. LIGHTER. MILTON H. SHOENBERG, San Francisco, Calif. Filed June 8, 1922. Serial No. 566,830. 13 Claims. (Cl. 219—32.)



1. In an electric lighter a base member of annular form, a bottomed annular recess therein, an insulating plate covering said recess, a resistance wire mounted on said plate, switch means mounted in said recess and adapted to control the energization of said resistance coil, said resistance wire wound in helix form and column supports fixed in said plate and adapted to contact with the bottom of said recess to support the plate against distortion, and a guard ring closing the joint between the base member and the plate.

1,484,454. COMBINED LIGHTING AND HEATING UNIT. MILTON H. SHOENBERG, San Francisco, Calif. Filed Dec. 4, 1922. Serial No. 604,680. 2 Claims. (Cl. 126—85.)



1. A reflector for radiant energy in combination with a heating unit and a plurality of lighting units, said units positioned inside and outside of said reflector respectively, said heat element being located substantially about the focus and said light units positioned symmetrically about the periphery of the reflector and suspension means for said reflector and a passage way therethrough and a secondary reflecting surface spaced in front of said reflector and adapted to deflect a portion of the heat rays reflected from the first reflector.

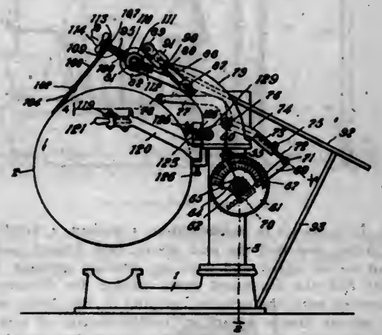
1,484,455. METHOD AND APPARATUS FOR MARKING TIRE FLAPS. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed June 8, 1921. Serial No. 475,953. 3 Claims. (Cl. 101—27.)



1. In an apparatus for marking tire flaps, in combination, a branding mechanism including metallic characters and means for heating the metallic characters, and

a work support, said work support and branding mechanism being shiftable to and from cooperative branding relation, and means for insuring similar location of a branding mark on successive flaps and a uniform intensity of branding on each flap despite inequalities in its thickness.

1,484,456. TIRE-BUILDING MACHINE. JOHN AXEL AHLFORS, Canton, Ohio, assignor to The Knight Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Mar. 11, 1921. Serial No. 451,496. 14 Claims. (Cl. 154—10.)



1. A tire building machine comprising a feed roll over which a sheet of fabric is arranged to be passed, a power driven annular core for drawing the sheet fabric from said feed roll, gearing operatively connecting said feed roll to the core to cause positive rotation of the feed roll at a relative speed with the core to stretch the fabric, and a rock arm engaging the core and operatively connected to the gearing for automatically varying the speed of the feed roll.

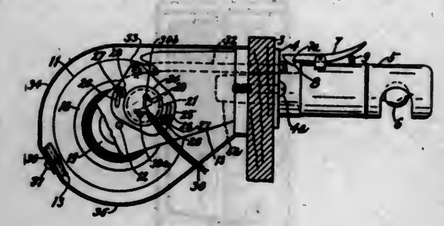
1,484,457. HAYSTACKER. JAMES O. ALLSTOTT, Pauls Valley, Okla. Filed Sept. 26, 1922. Serial No. 590,700. 30 Claims. (Cl. 214—91.)



1. A hay stacker comprising means for receiving and elevating a mass of hay or like material, means for disintegrating the mass and feeding it to a conveyor at a substantially uniform rate, elevating means for the material, means for receiving material from said elevating means, and manually controlled means for receiving material from said elevating means and distributing it on the stack, substantially as set forth.

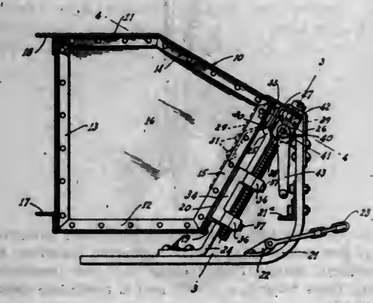
1,484,458. TROUBLE-LAMP FOR AUTOMOBILES. WILLIAM M. ANDERSON, New York Mills, Minn. Filed Feb. 8, 1923. Serial No. 617,854. 2 Claims. (Cl. 240—7.)

1. An electric lighting device of the kind described comprising an electric lamp detachably secured in a socket in a stationary element, means mounted on said element adjacent the socket and operatively connected with said lamp and with a source of current to provide electric current for the lamp while the latter is in its secured position on the stationary element or detached and removed some distance therefrom, said electric circuit comprising a cable having two wires having their rear ends connected with the lamp and their forward ends connected with two concentric conductive rings in the flange of a reel mounted in a frame secured to the stationary element and said cable normally wound on the reel, two stationary electrodes each normally contacting with one of said rings and means for sending an electric current through said electrodes, said frame having an integral plug in which said electrodes are se-



cured and said electrodes having their ends opposite from the reel exposed in the outer end of said plug and said means for sending an electric current through the electrodes comprising a cap adapted to be oscillated and normally spring pressed against the end of said plug, and secondary electrodes in said cap comprising the ends of wires connected with a source of current and adapted to contact with the first mentioned electrodes when the cap is rocked, to control the circuit to the lamp.

1,484,459. STONE SPREADER. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Oct. 12, 1921. Serial No. 507,201. 8 Claims. (Cl. 94—44.)

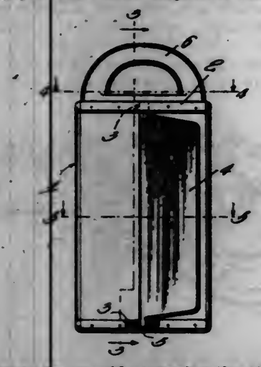


8. A road material spreading device comprising ground-engaging members, a hopper movably mounted thereon, and adjusting means associated with each side of the hopper, said means being operable at both sides simultaneously for raising or lowering the hopper and being independently operable for effecting lateral tilting of the hopper.

1,484,460. SOUNDING TOY. ANGELO BARBAR, Franklin, Pa. Filed Mar. 16, 1922. Serial No. 544,242. 2 Claims. (Cl. 46—46.)

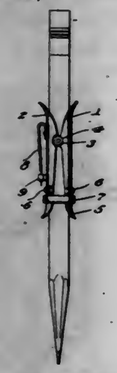
1. A sounding toy comprising a substantially oblong body having flat striking surfaces, a handle at one end of the body to be grasped for oscillating the body on a longitudinal axis, and a pair of clappers of substantially the same length as said body, said clappers being pivotally connected on one longitudinal edge to the body at a point midway between the longitudinal edges thereof, and each clapper having its opposed faces flattened to be alternately brought into contact with portions of the strik-

ing surface with which it co-operates on opposite sides of the pivot point, both of said clappers being simultaneously engaged with their respective striking surfaces



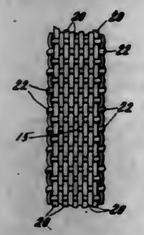
and the clapper on one side engaging the striking surface on a portion on one side of the longitudinal axis opposite to that with which the remaining clapper is engaged.

1,484,461. PENCIL HOLDER. FREDERICK BAYER, Jacksonville, Fla. Filed Feb. 21, 1922. Serial No. 538,301. 3 Claims. (Cl. 24—12.)



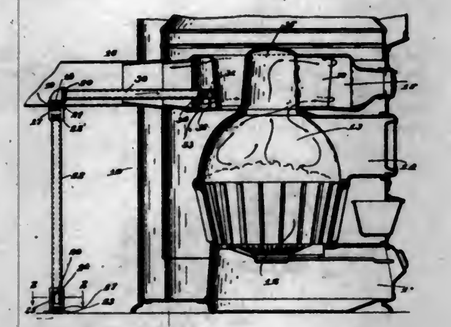
1. A pencil holder of the class described comprising a pair of jaw members pivotally connected together, a band of resilient material encircling the jaw members for causing them to grip a pencil and a retaining means for said band.

1,484,462. BRAKE BAND. GEORGE C. BEALS, Winchendon, Mass., assignor to Fibre Finishing Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1922. Serial No. 537,234. 13 Claims. (Cl. 188—259.)



5. A fabric brake band comprising paper strands impregnated with water and grease repellent material.

1,484,463. AIR PREHEATER. HERMAN E. BEEDE, Arlington, Mass. Filed Sept. 6, 1922. Serial No. 586,516. 2 Claims. (Cl. 126—112.)



1. In a heater in combination, a firebox, a hemispherical dome mounted on and above said firebox and provided on its upper end with an exhaust opening, an exhaust flue for consumed gases having its entrance end connected with the exhaust opening of the dome, an oxygen supply means extending longitudinally of and adjacent the lower portion of said exhaust flue, said oxygen supply means having an intake located at a point below the bottom of the firebox and an exit end terminating adjacent the top of the hemispherical dome whereby oxygen is drawn from the exit end of said oxygen supply means into the hemispherical dome in a direction opposite to the direction of the normal draft of the consumed gases from the firebox.

1,484,464. CURTAIN FASTENER. ROSS L. BENSON, Kansas City, Kans. Filed July 18, 1923. Serial No. 652,423. 2 Claims. (Cl. 24—216.)

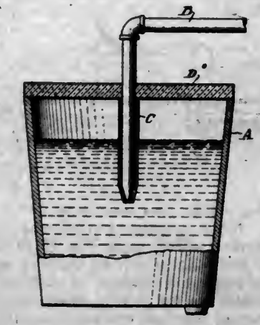


1. A fastener for curtains including a main body having a chamber, a plate closing the chamber on one side of the main body, tensioned spreading jaws in the chamber, posts projecting from the bottom of the chamber and disposed between the jaws for guiding them in register, said jaws having opposite recesses forming an opening to receive a stud on a curtain or a stationary part of a vehicle, a plate between which and the main body a curtain is disposed, the second plate having projections passing through the curtain and entering the posts to secure said parts, and means carried by the second plate and operatively connecting with the main body of the fastener for securing the second plate in position and securing the fastener to the curtain.

1,484,465. PROCESS OF TREATING MOLTEN CAST IRON OR STEEL. JAMES R. BILLINGS, Chicago, Ill., assignor to J. R. Billings Iron and Steel Company, Chicago, Ill., a Corporation of South Dakota. Filed May 12, 1922. Serial No. 560,446. 2 Claims. (Cl. 75—44.)

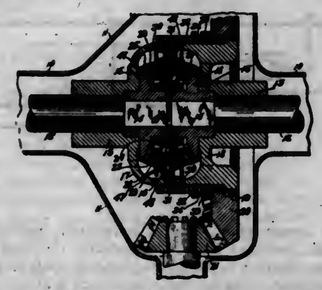
1. The process of treating molten cast iron or steel which consists in introducing air into the molten metal

for a sufficient time to cause, without oxidation of the iron itself or substantial decrease of carbon content, a



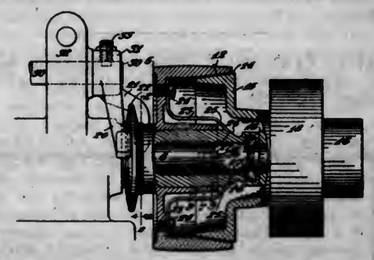
substantial rise in temperature, and then casting the metal into molds or ingots.

1,484,466. LOCK FOR DIFFERENTIAL GEARS. GEORGE BOYDELATOUR, Canton, Ohio. Filed Aug. 9, 1923. Serial No. 656,585. 8 Claims. (Cl. 74—100.)



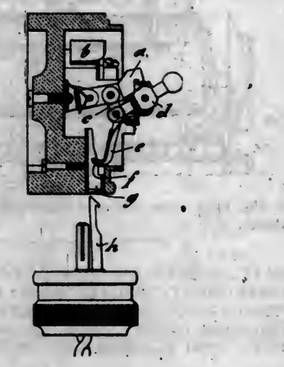
1. The combination with a differential gearing including gears and pinions meshing with the gears, of a locking dog arranged to mesh with both gears and with two of the pinions.

1,484,467. CLUTCH DEVICE. CARL A. BAINK, Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee, a Corporation of Massachusetts. Filed Dec. 19, 1921. Serial No. 523,552. 10 Claims. (Cl. 192—93.)



7. The combination with a rotatable clutch-member, of a second member rotatable on the same axis and shiftable into and out from engagement with the first member, said second member provided with an annular flange having inclined faces on its sides, and means movable into position to normally clear the sides of the flange but adapted to be engaged with the inclined faces thereof to shift the shiftable member with a wedgeing action.

1,484,468. INTERLOCKING DEVICE FOR ELECTRIC SWITCH AND PLUG. EDWIN JOHN BROTHERS, East Dulwich, London, England, assignor of one-half to J. H. Tucker & Company Limited, Birmingham, England. Filed Feb. 17, 1921. Serial No. 445,759. 2 Claims. (Cl. 200—50.)



1. An electric switch including a movable contact member, an operating member therefor, a detent connected to the operating member, fixed means for engagement by the detent when the operating member and movable contact member are in open position, to hold said members in such position, and a plug having means to disengage said detent from said fixed means, when the plug is inserted, and thereby permit operation of the switch, and to also coact with said detent to hold the plug in inserted position while the switch is closed.

1,484,469. CLEAN-OUT DEVICE FOR PIPES. SIMON BRUCELARIE, West Hoboken, N. J. Filed Feb. 6, 1923. Serial No. 617,333. 2 Claims. (Cl. 137—70.)

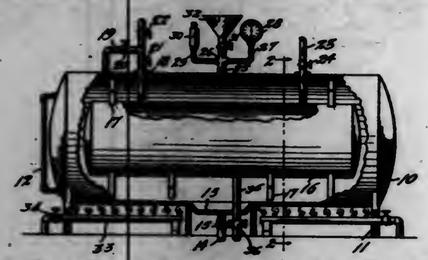


1. A clean-out device for pipes having a clean-out aperture, which includes a casting to be placed over the surface of the pipe adjacent the aperture, said casting being bored and having a dependent collar projecting into the aperture, a plug closing the outer end of the casting, wing portions on said casting having slots, a strap connected to one of said wing portions and passing around the pipe to the other of said wing portions and passing through the slot therein, and a key engageable with the other end of the strap, said key adapted to be wound up to roll up the free end of the strap and tighten the casting on to the pipe.

1,484,470. CLEANING AND PAINT-REMOVING APPARATUS. DAVID P. CLEVELAND, Dallas, Tex., assignor to Universal Paint Remover and Motor Cleaning Company, a Trust Estate, Dallas, Tex. Filed July 25, 1921. Serial No. 487,502. 3 Claims. (Cl. 299—95).

1. In an apparatus of the character described, a tank, a discharge pipe leading from the tank, an air drum disposed within the tank, means for supplying compressed

air to the drum, a by-pass connection between said compressed air supply means and the tank, a discharge pipe leading from the drum, means for introducing a charge



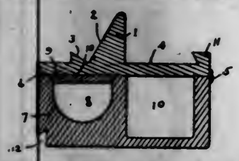
into the tank, and means for heating the tank and its contents.

1,484,471. SOUND RECORDING AND REPRODUCING INSTRUMENT. WILLIAM ERNEST CLIFTON and JOHN STURTON EWART, Nottingham, England, assignors to The Cliftophone Limited, London, England. Filed June 21, 1921. Serial No. 479,379. 11 Claims. (Cl. 181—32.)



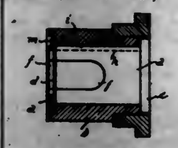
1. For a sound box of the type described, a diaphragm comprising a sheet of flexible and substantially non-resilient or only slightly resilient material having a relatively stiff portion formed for connection with the inner end of a stylus bar nearer one edge of the said portion than the other edges thereof and adjacent the center of the diaphragm, substantially as described.

1,484,472. COMBINED CASE AND RACK FOR GAMES. MIRIAM M. COWEN, San Francisco, Calif. Filed Mar. 29, 1923. Serial No. 628,447. 8 Claims. (Cl. 46—55.)



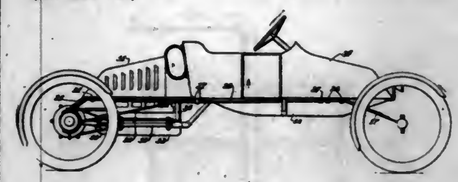
2. In combination with a box for holding gaming tiles, a top member having a rack for tiles and formed of a back receiving and a foot receiving surface and a tile receiving channel to the rear of said rack, and a tally strip adapted to slide longitudinally between the box and the member.

1,484,473. CYLINDER LOCK. JOHANNES CRONING, Hamburg, Germany. Filed Jan. 11, 1923. Serial No. 612,062. 3 Claims. (Cl. 70—46.)



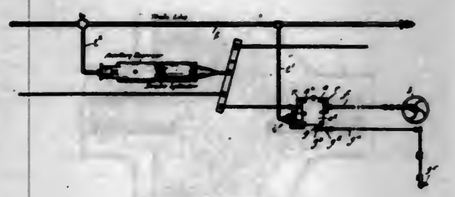
1. A cylinder lock of the kind described having a stationary cylinder and a rotatable flanged plug held in position therein, an annular stop plate securing said plug against axial displacement and a bayonet connection between the plate and plug.

1,484,474. MOTOR CAR. HARRY E. CROSS, Rockton, Ill. Filed Nov. 29, 1919. Serial No. 341,493. 14 Claims. (Cl. 180—1.)



1. In a motor vehicle, the combination of a main frame supported by front steering wheels and rear driving wheels, an operator's seat supported in an intermediate and relatively low position on said frame, a motor rigidly mounted in an underhung position on said frame between the operator's seat and the driving wheels and adapted for driving the latter, and an operator's control and foot compartment, the floor of which is substantially below the main frame.

1,484,475. AUTOMATIC SAFETY LOCK FOR AIR BRAKES. WILLIAM F. CROWN, Chehalis, Wash. Filed Feb. 9, 1922. Serial No. 535,335. 5 Claims. (Cl. 303—89.)



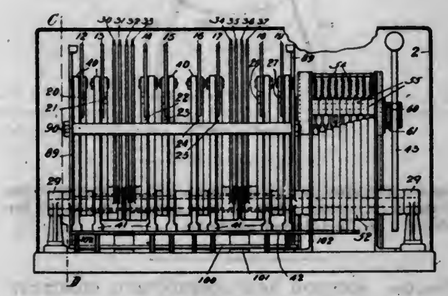
1. The combination with air-operated brake-applying devices of, auxiliary means for holding the brake applying devices against releasing movement, such means comprising a clutch-lever having a bore thru which the brake-operating member extends, automatic means for throwing said clutch-lever at an oblique angle to the line of motion of said brake operating member, a cylinder and piston therein operating to place said clutch-lever in a position normal to said line of motion, this cylinder having an air vent, a conduit connecting said cylinder with the source of air under pressure which supplies the air-brake cylinder, a valve controlling the admission of air from said conduit into said cylinder and the escape of air therefrom thru said vent, and automatic means holding said valve shut against a predetermined pressure in said conduit.

1,484,476. CAMP GRILL. TRENTON B. CURRIE, Houlton, Me. Filed Apr. 10, 1923. Serial No. 631,231. 3 Claims. (Cl. 126—30.)



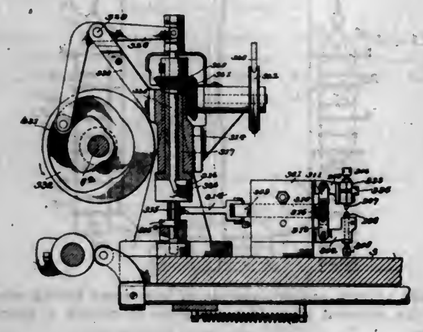
1. A device of the character described comprising two slidable grill sections, each including a substantially rectangular shaped continuous wire frame, eyes on the adjacent ends of said sections through which the sides are adapted to slide, substantially U-shaped wire leg members pivotally mounted in the outer ends of said sections with the base of the U disposed beneath the plane of each section, and means on the outer ends of the sections to limit the outward swing of the leg members.

1,484,477. APPARATUS FOR CIPHERING AND DECIPHERING CODE EXPRESSIONS. ARVID GERHARD DAMM, Ronninge, Sweden. Filed Mar. 25, 1922. Serial No. 546,886. 1 Claim. (Cl. 35—13.)



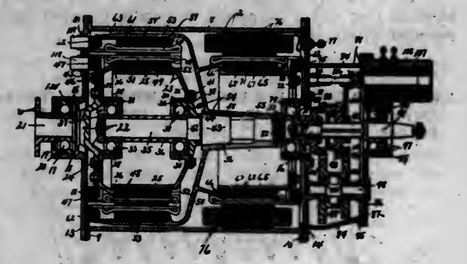
In an apparatus for recording in type-print two-letter syllables, always composed of one vowel and one consonant and constituting cipher-equivalents of two-figure groups, and for the rendering in type-print two-figure groups, constituting cipher-equivalents of two-letter syllables of said kind, the combination of a scale of adjustment, one part of which, for the ciphering of two-figure groups, comprises four series of figures, two of these series containing ten different figures in arbitrary order and the other two series containing each five figures in arbitrary order, these figures being different in one series as compared to the other, and the other part of which scale, for the ciphering of two-letter syllables, comprises four series of letters of which series two contain each ten different consonants in arbitrary order and the two other both contain the same arbitrary sequence of five vowels, and eight rotary type-wheels, four carrying letter-types and four figure-types, of which type-wheels those carrying letter-types are dependent, as to their movements, each on a member adjustable according to one of the four series of figures of the scale of adjustment, the arrangement of the letter-types being such, that the two type-wheels dependent each on a member adjustable according to the series of ten figures carry each ten consonant-types, for each wheel the same as are comprised in one of the series of ten consonants of the scale of adjustment, though in reversed order, and that the two type-wheels, which are dependent each on a member adjustable according to one of the series of five figures, carry the same five vowel-types repeated twice in the same sequence on each type-wheel and for each type-wheel in reversed order, as compared to that of one of the series of five vowels of the scale of adjustment, the four type-wheels carrying figure-types being dependent as to their movements each on a member adjustable according to the letter-series of the scale of adjustment, the arrangement of the figure-types being such that the two type-wheels, each of which is dependent on a member adjustable according to one of the series containing ten consonants, both carry the same figure-types, for each wheel in reversed order as compared to that of one of the ten-figure series of the scale of adjustment, and that the two type-wheels, each of which is dependent on a member adjustable according to one of the five-vowel series, carry each five different figures repeated twice in the same order on each wheel and for each wheel identical to those of one of the five figure series of the scale of adjustment, but arranged in reversed order.

1,484,478. NEEDLE-LATCH-RIVETING MACHINE. JOHN A. CALDER, Torrington, and WILLIAM H. DAYTON, deceased, late of Torrington, Conn., by James M. Dayton, administrator, Springfield, Mass., assignors to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed Dec. 6, 1918. Serial No. 265,541. 9 Claims. (Cl. 78—23.)



1. A riveting machine including in combination, riveting hammers, an operating lever for each hammer, means for rapidly vibrating said levers and for automatically suspending the vibrations thereof so as to facilitate the placing of the rivet between the hammers.

1,484,479. ELECTRICAL POWER-TRANSMISSION DEVICE. ALBERT E. DOMAN, Elbridge, N. Y., assignor to Owen-Dyneto Corporation, Syracuse, N. Y., a Corporation of New York. Filed Aug. 13, 1918. Serial No. 249,893. 3 Claims. (Cl. 290—12.)

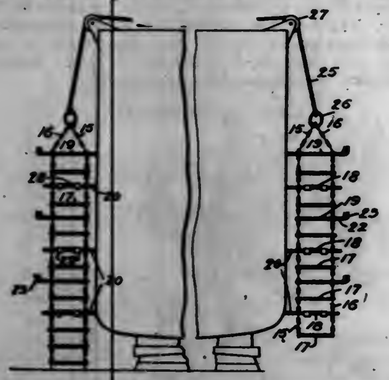


1. A power transmission mechanism comprising a driving shaft having a spider rigidly associated therewith, a cylindrical shell secured to the spider and axially aligned with the driving shaft, a field magnet system mounted on said shell, a driven shaft extending axially of and within the shell and rotatably associated with the shell to prevent independent radial movement of either the shell or driving shaft, a frame having a portion telescoped outside the field magnet system, another portion mounted on said driven shaft for simultaneous rotation therewith, an armature carried by the portion telescoped with the field magnet system, said frame provided with a flange concentric with the driven shaft and carrying a second armature and a field magnet system for said armature.

1,484,480. SCAFFOLDING. ALFREDO DONAGGIO, Winfield, Long Island, N. Y. Filed Feb. 24, 1920. Serial No. 360,681. 24 Claims. (Cl. 304—16.)

1. Scaffolding for ships' hulls comprising ladders made up of flexible side members and rungs connecting the same in spaced relation, means for supporting said ladders over the side of a ship with the rungs standing out

from the hull and staging sections extending between the ladders and having hook elements engaged with the



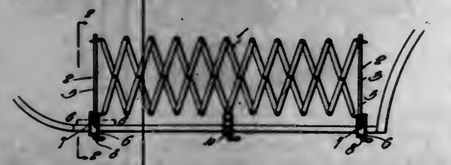
rungs of such ladders, certain of the rungs having eyes at the outward sides of the ladders to receive a guard line.

1,484,481. BATTERY CONNECTION. MILO H. DUNBAR, Canton, Ohio. Filed July 1, 1921. Serial No. 481,741. 3 Claims. (Cl. 204—29.)



1. In a battery terminal connection, a lead battery terminal post and a tin coated, internally threaded tube mounted within said post.

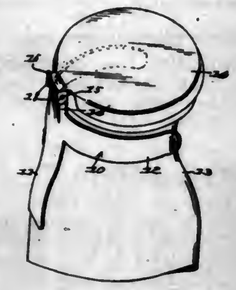
1,484,482. LUGGAGE CARRIER. WILLIAM G. DUNN, Clarinda, Iowa. Filed May 22, 1922. Serial No. 562,806. 4 Claims. (Cl. 224—29.)



1. A luggage carrier for the running boards of automobiles, comprising a side frame adapted to be disposed in an upright position along the outer edge of the running board, rigid end frames adapted to be disposed in upright position transversely across the running board and being pivotally connected to the ends of said side frame, said end frames including upright rods and horizontal rods having free ends which are disposed adjacent each other, and clamping means carried by said end frames and coacting with the horizontal rods thereof, said clamping means including brackets to which the free ends of said rods are rigidly connected.

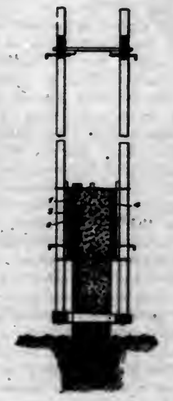
1,484,483. MILK-BOTTLE COVER. CLARENCE W. ECKER, Rockford, Ill. Filed June 8, 1921. Serial No. 475,898. 2 Claims. (Cl. 215—63.)

1. A milk bottle cover having a supporting member provided with a clamp for engaging the neck of the bottle, and a spring actuated cap pivotally mounted upon the supporting member for closing the mouth of the receptacle, said supporting member having upstanding bearing arms projecting above the plane of the clamp and an intermediate tongue, said arms being bent to form bear-



ings for the pivot pin of the cover, and the tongue being arranged in contact with the rear edge of the cover for locking it in its adjusted positions.

1,484,484. METHOD OF CONSTRUCTING CONCRETE WALLS. ERNEST FLAGG, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,818. 2 Claims. (Cl. 25—131.)

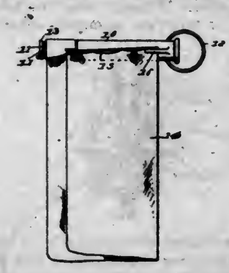


1. A method of constructing concrete walls in a building form having a plurality of mold boards forming the sides of the form and between each pair of which boards a seam is formed, which method consists in pouring concrete into the form up to a point just below the level of a seam, and then laying a row of bricks on the top of the concrete along the inner surface of the mold boards with one face of the bricks bearing against said seam.

1,484,485. SWITCHMAN'S FLAG. FRED FREAR, Monett, Mo. Filed Apr. 5, 1923. Serial No. 630,083. 1 Claim. (Cl. 116—173.)

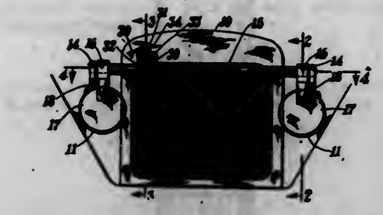
In combination with a flag having a binder cord applied to one edge thereof, a flag holder consisting of a staff comprising a plurality of telescoping sections including grip and terminal sections, and means for securing the extremities of the binder cord to the extremities of the grip and terminal sections, the grip sections adjacent the extremity remote from that to which the cord is secured

being provided with a spring retaining finger adapted to frictionally engage the field of the flag when the sections



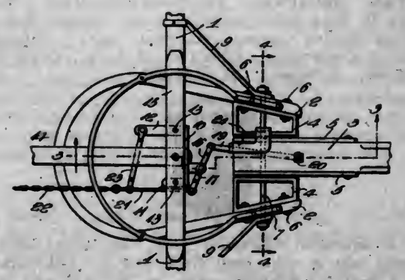
are collapsed and the flag is folded, said retaining finger at its edge abutting against the side of the cord to permit rolling the folded flag on the collapsed staff.

1,484,486. AUTOMOBILE HEADLIGHT SHIELD. WILLIAM GAMES, Providence, R. I. Filed Nov. 16, 1922. Serial No. 601,252. 2 Claims. (Cl. 240—45.6.)



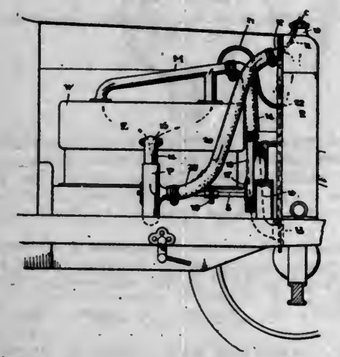
1. In an automobile, a headlight, a hollow shaft extending transversely of the automobile above said headlight, a hub fixed on said shaft, a hollow arm carried by said hub to be rotatable on an axis radial to said shaft, a shield fixed to said arm, an internal gear rigid with said arm, a pinion meshing with said gear, a short shaft in said hub radial to said hollow shaft and having said pinion on its outer end, a shaft extending through the hollow shaft, meshing bevel gears on said second and third shafts, and means for rocking said first and third shafts in unison on said third shaft independently of said first shaft.

1,484,487. WAGON-BRAKE-OPERATING MEANS. WILLIAM SULWIN GANDER, Russell, Pa. Filed Apr. 9, 1923. Serial No. 630,928. 4 Claims. (Cl. 188—120.)



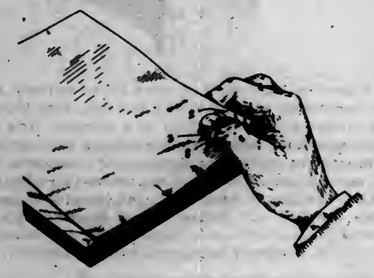
1. Wagon brake applying means comprising a horizontally elongated bar to abut the front side of the front axle, said bar having rearwardly extending arms adapted to be bolted to the axle, a fulcrum member extending forwardly from said bar, a lever fulcrumed between its ends on said fulcrum member, a thrust device connected with one end of said lever and extending forwardly therefrom to be operated by rearward force exerted by the draft animals, and a brake operating pull device connected to and extending rearwardly from the other end of said lever.

1,484,488. CIRCULATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. PALEMON H. GASKINS, Jacksonville, Fla. Filed Feb. 11, 1922. Serial No. 535,856. 1 Claim. (Cl. 123—174.)



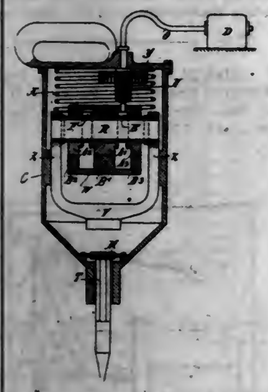
In a circulating cooling system for internal combustion engines, a radiator, a cooling jacket for the cylinder of the engine, a connection between the outlet of the cooling jacket and the bottom of the radiator, a connection between the inlet of the water jacket and the top of the radiaor, and a bypass connection between the outlet of the cooling jacket and the radiator, said bypass communicating with the radiator at a point below the outlet thereof.

1,484,489. FINGER RING FOR HANDLING PAPER SHEETS OR THE LIKE. MARY ALICE GIVENS, San Francisco, Calif. Filed Nov. 25, 1922. Serial No. 603,332. 2 Claims. (Cl. 294—25.)



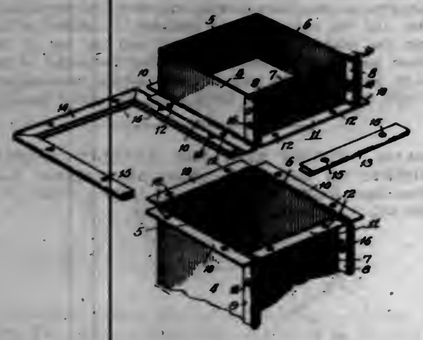
1. A finger ring adapted for use in handling sheets of paper, comprising in combination a ring portion having a widened plate-like portion on one side thereof adapted to be engaged by the ball of the finger, said plate having the opposite sides thereof serrated whereby a clinging member may be readily attached thereto.

1,484,490. MECHANICAL HAMMER. RUDOLF GOLDSCHMIDT, Berlin, Germany, assignor to Det Tekniske Forsøgs-Aktieselskab, Ordrup, Charlottenlund, Denmark, a Company of Denmark. Filed Apr. 14, 1921. Serial No. 461,446. 13 Claims. (Cl. 78—36.)



1. A mechanical hammer comprising a reciprocatory tup, an element movable in relation thereto, and mechanism journaled on said tup for reciprocating said element and tup.

1,484,491. ELEVATOR LEG. JACOB J. GUTERMANN, Chicago, Ill., assignor to Weller Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1920. Serial No. 354,056. 3 Claims. (Cl. 137—75.)



1. An elevator leg formed of sheet metal sections, each section comprising a member bent to form three integral sides, a fourth side being formed of a separate strip and having longitudinal integral flanges lapping the inner and outer faces of the margins of the oppositely disposed sides on said member and extending in the planes thereof, means extending through the flanges and end margins to secure the sides together, end flanges on and integral with the three-sided member and strip respectively, and means to secure the end flanges of contiguous sections together.

1,484,492. ELECTRIC SNAP PLUG. GEORGE A. HANSBROUGH, San Francisco, Calif., assignor of one-half to Baylies C. Clark, San Francisco, Calif. Filed May 20, 1920. Serial No. 382,753. 2 Claims. (Cl. 173—360.)

1. An electric plug comprising a plurality of externally threaded segments, a pair of members crossing each other substantially at their centers, a pivot passing through said crossed portions, each of said members carrying one of said segments on one end, a casing enclosing said members and having oppositely disposed holes therethrough, spring means adapted to force the segments outward, a pair of



finger pieces extending through each of said holes and each engaging the inner end of one of said pivot members and operable from the outside by finger pressure to collapse said segments.

1,484,493. PORTABLE LIGHT. RENÉ HARGOT, Chicago, Ill., assignor to Hyman Mishoulam, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,791. 1 Claim. (Cl. 240—8.5.)



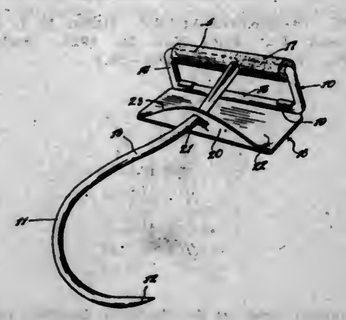
A portable light of the character described comprising a casing, lamps carried thereby a magneto arranged in the casing, gearing connected with the magneto, a manually operable rack bar, a spring motor connected with the gearing and rack bar, a handle carried by the casing, a pair of pivoted levers carried by the handle, one of which being connected with the rack bar, a brake element operated by the remaining lever and arranged within the casing adapted to engage the magneto to render the same inoperative, and an operating rod connected with one of the levers and the brake element respectively.

1,484,494. SEPARABLE ATTACHMENT PLUG. WILLIAM H. HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 30, 1922. Serial No. 609,859. 3 Claims. (Cl. 173—343.)



1. A separable attachment plug base having an insulating body, a screw shell fitting over one end thereof, and a slotted insulating button on said end and said screw shell, in combination with two contacts in said body projecting through said screw shell, one of said contacts forming electrical contact with the screw shell and preventing the latter from rotating on said body.

1,484,495. LIFTING HOOK. WILLIAM L. HATHERLEY, San Bernardino, Calif. Filed Jan. 10, 1923. Serial No. 611,910. 2 Claims. (Cl. 294—26.)



1. A lifting hook comprising a rectangular loop, a shank and a hook portion formed as integral parts from a metallic rod; one side of the loop constituting a finger guard and the opposite side a T-handle together with the shank extending at right angles medially therefrom, said shank terminating with the hook portion pointing in the direction of said finger guard.

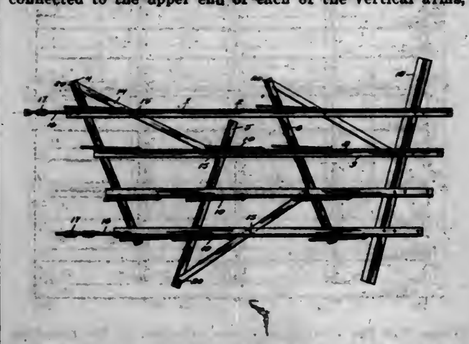
1,484,496. AUTOMATIC LOOM STOP. JAMES KENNEDY HAYDOCK, Danville, Va. Filed Apr. 17, 1923. Serial No. 632,786. 2 Claims. (Cl. 139—339.)



1. In combination with the belt shifting rod, sand roll and cloth roll of a loom, vertical arms having U-shaped bearings at their upper ends, a cloth rod supported by the bearings and over which the cloth moves on its passage to the cloth roll, an arm having connection with the belt shifting rod, and a rod connecting the cloth rod and arm whereby movement of the cloth rod vertically within its bearings, results in a relative movement of the arm to rock the first mentioned rod.

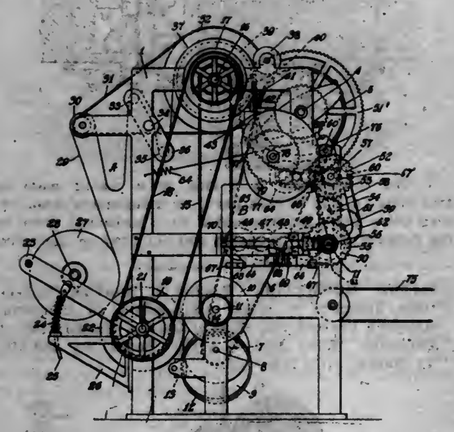
1,484,497. ROAD SCRAPER. NORMAN W. HICKS, Malta, Mont. Filed July 19, 1922. Serial No. 575,988. 2 Claims. (Cl. 37—142.)

1. A road leveling drag, comprising spaced longitudinally disposed angle beams, a series of groups of right angled members each having a vertical and horizontal arm, each vertical arm being pivotally connected to an angle beam, transversely disposed alternately angularly arranged scraping blades connected to and carried by the horizontal arms of each group of right angled members beneath the angle beams, bracket bars secured at one end to each of the beams and at the other end adjustably connected to the upper end of each of the vertical arms,



brace bars connected at one end to the outer end of each of the scraping blades and connected at the other end to one or more of the beams, depending bracket members secured to the under side of the beams at the rear thereof, and a leveling bar carried by said bracket members.

1,484,498. CUTTING AND COILING CRÊPE PAPER. FRANK P. HILDEBRANDT, Saugerties, N. Y. Filed Dec. 14, 1921. Serial No. 522,288. 15 Claims. (Cl. 242—56.)



9. In a device of the class described, means for forming a coreless coil of crêpe paper without imparting appreciable tension or compression thereto and cooperating means for evening up the ends of the coil so formed, during the coiling operation.

1,484,499. CRATE. JACOB HOCHMAN, Wilkes-Barre, Pa., assignor to Isador Seeherman, Wilkes-Barre, Pa. Filed Mar. 17, 1923. Serial No. 625,857. 4 Claims. (Cl. 217—19.)

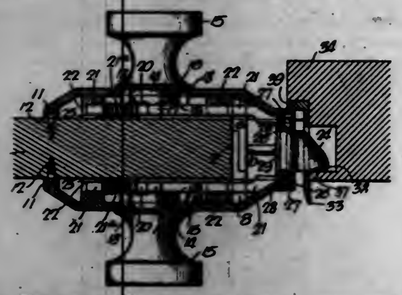
1. A device of the class described comprising a casing open at top and bottom, a plurality of supporting straps connected to two opposite members of said casing at their lower edges and in spaced relation, a cage within

said casing formed of a plurality of U-shaped members with the lower horisontal portions bearing on the spaced



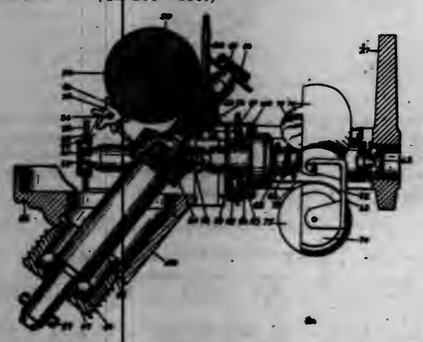
straps and the vertical portions attached to the members of the casing, and a plurality of spacer rods connecting the vertical portions of the U-shaped members.

1,484,500. DOORLOCK. JOHN HOPE, Jr., Providence, R. I. Filed Sept. 28, 1921. Serial No. 503,725. 9 Claims. (Cl. 292—220.)



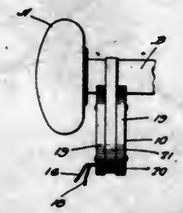
1. The combination in a lock, of a casing made in two parts; a bolt in each part; an independent knob for each bolt; and a latch mounted on a horizontal pivot at the forward end of the casing and actuated by the bolts.

1,484,501. ODOMETER. ERNEST R. HUNTLEY, Toledo, Ohio, assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 6, 1919. Serial No. 269,879. 12 Claims. (Cl. 235—139.)



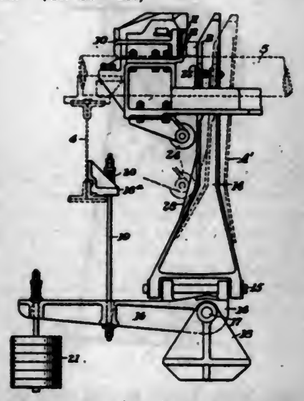
1. In a device of the class described, the combination of a plurality of registering units, transfer devices co-operating with said units, common means for supporting said transfer devices, and means co-operating with said supporting means to retain resiliently the transfer devices in co-operating relation with said registering units.

1,484,502. DOORKNOB ALARM. HENRY M. L. JAMES, Richmond, Va. Filed Nov. 28, 1921. Serial No. 518,361. 3 Claims. (Cl. 200—52.)



1. A circuit closer of the character described comprising a supporting member having an intermediate cut out portion, coiled wire contacts located within opposite ends of said cut out portion, a pendulum coiled wire contact pivoted within said cut out portion and movable to engage either of said first named contacts, cover plates secured upon opposite sides of said support and projecting therebeyond to define a groove, and a securing member engaged within said groove and adapted to be engaged upon the spindle of a door knob.

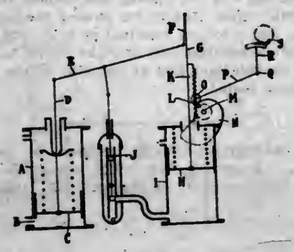
1,484,503. BILLET MANIPULATOR. LLOYD JONES, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1920. Serial No. 374,141. 12 Claims. (Cl. 80—48.)



12. A manipulator for turning billets, comprising a movable table, a billet engaging member on said table having a plurality of independent billet engaging means for cooperating with billets of different cross sectional areas, and a second member relatively movable toward and from said means, said members being adapted to automatically receive therebetween and turn a billet during the movement of the table, substantially as described.

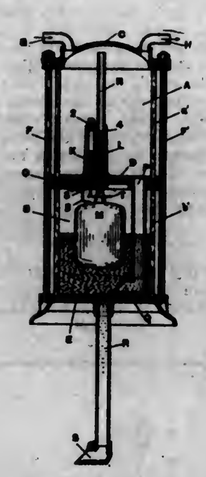
1,484,504. MEANS FOR REGULATING TURBOBLOWERS AND OTHER APPARATUS FOR DELIVERING FLUID UNDER PRESSURE OR SUCTION. LESLIE CHARLES KEMP, London, England. Filed Aug. 10, 1921. Serial No. 491,238. 6 Claims. (Cl. 103—12.)

1. Means for actuating the speed-controlling device of apparatus that is required to deliver fluid at an approximately constant rate against varying pressure, comprising in combination a loaded piston device subjected to and moveable by the static pressure at the place of delivery, means for transmitting motion from the said piston device to a speed-controlling device for the fluid-delivering apparatus in accordance with a determined relationship giving a rough approximation to the



speed adjustment required, and means acting upon said transmitting means for modifying the motion imparted by the piston device before it reaches the speed controlling device so as to produce a departure from the said relationship to a closer approximation to the required speed adjustment.

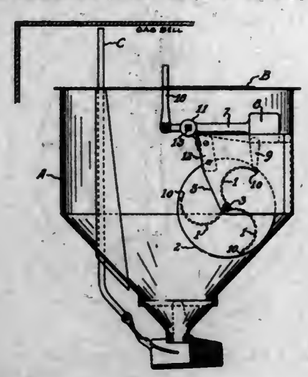
1,484,505. VACUUM TRAP. KARL KIEFER, Cincinnati, Ohio. Filed June 14, 1920. Serial No. 388,867. 24 Claims. (Cl. 137—103.)



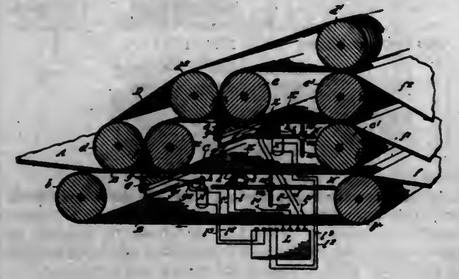
1. In a vacuum trap, the combination of a chamber always under sub-atmospheric pressure, with a chamber alternately under sub-atmospheric and atmospheric pressure, said chambers having a single separating wall, and means entirely within said chambers, mounted in said wall, for transferring liquid accumulating in the first mentioned chamber to the atmosphere.

1,484,506. ACETYLENE GENERATOR. PIUS F. KILLIAN, Owensboro, Ky. Filed Apr. 12, 1920. Serial No. 373,375. 3 Claims. (Cl. 48—38.)

1. In an acetylene gas generator including a hopper having a charging opening in its top, and means to permit delivery from the hopper, a drum containing a plurality of compartments and rotatably mounted in the hopper in position to dispose one of the compartments below the charging opening in the top of the hopper, trip mechanism normally engaging the drum to restrain rotation of the same, and means to release said trip mechanism upon exhaustion of the charge in the hopper to permit rotation of the drum and delivery of an auxiliary supply from the compartment disposed below the charging opening in the top of the hopper.



1,484,507. FOLDING MACHINE. LEO M. KOHN, Philadelphia, Pa. Filed Feb. 16, 1920. Serial No. 358,916. 11 Claims. (Cl. 270—81.)



1. In a folding machine, the combination of a conveyer for carrying the article to be folded and including a plurality of tapes spaced apart, folding means arranged adjacent to the conveyer, and a controlling device having a part extending between a pair of tapes adapted to be engaged by the article as the same passes into the desired relation to the folding means without interrupting the movement of the article, said controlling device controlling the action of said folding device.

1,484,508. KEY-RING HOLDER. FRANCIS A. LASSERRE, Grosse Tete, La. Filed Mar. 27, 1923. Serial No. 628,044. 5 Claims. (Cl. 24—3.)

1. A key-ring holder of the class described comprising a main supporting member of substantially S-shaped contour, having an upper, an apertured intermediate and a lower portion, the upper end of which is curved over to form a depending bifurcated member, said lower portion merging into said intermediate portion and terminating in a rearwardly extending hook, a locking means having an upper, a constricted intermediate, and a lower portion, the upper portion of said locking means having its upper end reduced and curved over to form a depending tongue adapted to be positioned between the furcations of the bifurcated member, the lower end of said tongue being turned outwardly at right angles thereto and having laterally extending ears adapted to bear against the outer face of said furcations, said constricted intermedi-

ate portion passing through the aperture in the intermediate portion of the supporting member, the lower portion of said means provided intermediate its ends with an



offset and terminating in a forwardly extending hook member constituting a seat for the hook of the supporting member.

1,484,509. MICROPHONE TRANSMITTER. HENRY G. LEACH, Brooklyn, N. Y., assignor to Electrical Industries Manufacturing Co., New York, N. Y., a Corporation of New York. Filed June 22, 1920. Serial No. 390,896. 1 Claim. (Cl. 179—123.)



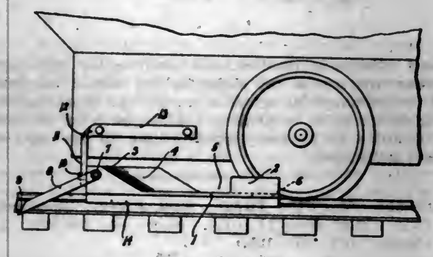
In a telephone transmitter of the character set forth and including a resistance varying diaphragm, a supplementary diaphragm separated therefrom to provide an intermediate air cushion and consisting of Japanese silk impregnated with collodion stretching the same.

1,484,510. MOTH-BALL HOLDER. ROBERT J. LEWERS, New York, N. Y. Filed July 10, 1923. Serial No. 650,718. 2 Claims. (Cl. 299—24.)



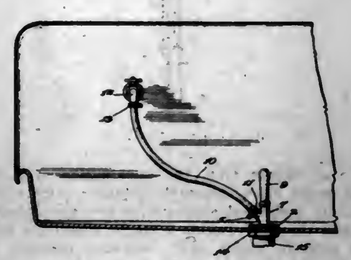
2. A moth ball holder comprising a single length of wire bent in helical form and providing an elongated tubular body, the intermediate convolutions of which are out of contact, one end of which is formed into a looped terminal disposed in a plane at an angle to the plane of the convolutions of the body and intersecting one end thereof to close the same, the opposite end having a plurality of contractile convolutions normally in contact, a disk-like closure insertable between two of said adjacent end convolutions and frictionally maintained in place by the contractile action thereof for closing the opposite end of the body, and a looped terminal at said latter end disposed in a plane substantially at right angles to the plane of the end convolutions and at one side of the periphery of the tubular body.

1,484,511. SAFETY DEVICE. ROBERT W. LIGHTBURN, Gans, Pa. Filed Apr. 12, 1923, Serial No. 631,631. Renewed Jan. 14, 1924. 4 Claims. (Cl. 104—261.)



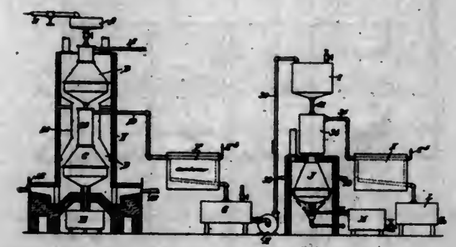
1. A derailing device comprising a base having a raised portion at its rear provided with an inclined front edge to deflect the wheel, means pivotally connected with the rear part of the device for riding over the track when the device is pulled forwardly but will engage a track and stop the device when the same starts to move rearwardly and means for connecting the device to a car in such a manner that it will be dragged by the car but will become separated therefrom when the car starts to move rearwardly.

1,484,512. DEVICE FOR CLEANING SINKS. LEE L. LIGHTFOOT, Eau Claire, Wis. Filed Nov. 11, 1922. Serial No. 600,487. 1 Claim. (Cl. 4—255.)



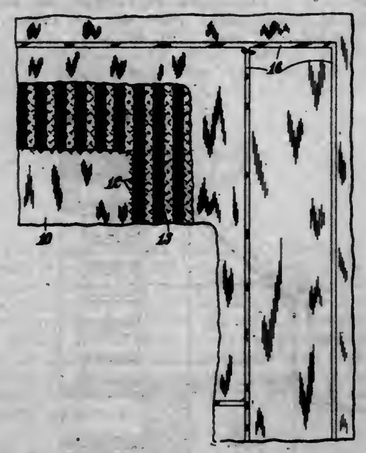
A device of the class described comprising a tubular elbow having a bore of uniform diameter, one end of which forming a nozzle and the other end a hose receiving shank; a cup-like cavity being formed in said bore in substantially axial alinement with said shank, means for attaching a handle to said shank, a disk-shaped head integral with and surrounding the elbow between the end of the nozzle and the bend of the elbow, said head having a flat upper surface and a convex bottom surface, and a packing of flexible material secured to said convex surface.

1,484,513. CONTINUOUS METHOD OF CRACKING HYDROCARBON OILS. ERNEST O. LINTON, Indiana Harbor, Ind., assignor to Linton Gasoline Process Company, Chicago, Ill., a Corporation of Delaware. Filed May 26, 1921. Serial No. 472,797. 4 Claims. (Cl. 196—25.)



1. The method of cracking heavy hydrocarbon oils, which consists in passing such oil as a thin sheet or film in continuous flow over heated surfaces within an externally heated still chamber, whereby vaporizable constituents are freely liberated into the still spaces, and are there subjected to a cracking temperature, permitting the hot vapors to expand into a heated expansion chamber, subjecting the vapors therein to further heating at a maintained cracking temperature, condensing the cracked vapors, and withdrawing the liquid residuum.

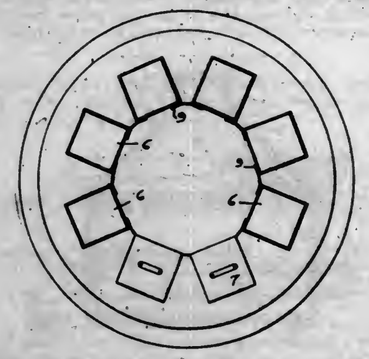
1,484,514. FLOOR OR PAVING FOR TENNIS COURTS AND OTHER PURPOSES. HENRY GARDINER LLOYD, Surbiton, England. Filed Oct. 21, 1921. Serial No. 509,341. 6 Claims. (Cl. 94—8.)



6. A floor or paving for tennis courts and other purposes comprising an uppermost layer of porous concrete, said porous concrete being formed of sand grains substantially spherical and substantially the same size and cement, in the proportions of from 3 to 4 parts by weight of sand to 1 part by weight of cement, only sufficient water being used in the formation of the concrete to produce a mixture of dry consistency.

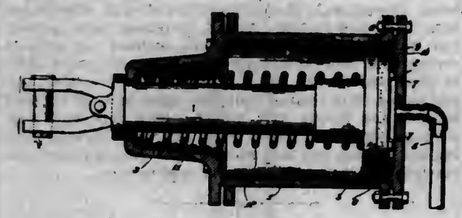
1,484,515. CONTAINER FOR FROZEN CONFECTIONS. CLINTON O. LUND, Yankton, S. Dak. Filed Mar. 6, 1922. Serial No. 541,504. 5 Claims. (Cl. 217—7.)

1. A refrigerating container embodying an outer casing for a refrigerating element, and a series of separate containers therein each isolated from the others and the outer casing and members connecting each container with



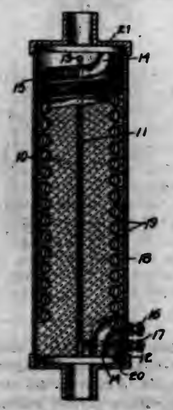
the adjacent container ot hold the container in fixed but spaced relation.

1,484,516. BRAKE CYLINDER. HELON B. MACFARLAND, Chicago, Ill., assignor to Leadizing Company, Chicago, Ill., a Corporation of Illinois. Filed July 8, 1920. Serial No. 394,753. 5 Claims. (Cl. 74—108.)



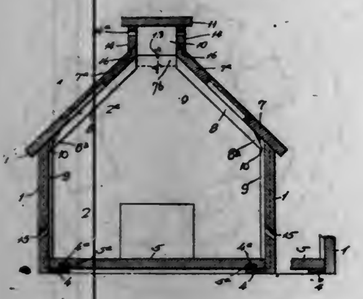
1. A brake cylinder of steel having a jacket of lead formed within the cylinder on the side walls thereof.

1,484,517. LIQUID HEATER OF THE ELECTRICALLY-CONTROLLED TYPE. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Mar. 27, 1922. Serial No. 547,089. 11 Claims. (Cl. 219—41.)



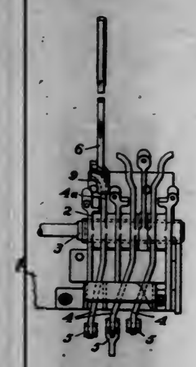
1. In an electric heating device, a container for liquid and a conductor immersed in the liquid and formed of material having less electrical resistance than the liquid, substantially as set forth.

1,484,518. COLLAPSIBLE HOUSE. JOHN L. MEADOWS, Hume, Ill. Filed May 11, 1923. Serial No. 638,323. 7 Claims. (Cl. 119—19.)



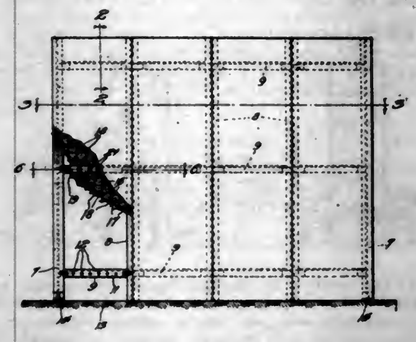
4. In a collapsible house, opposite sides having lower cleats, a bottom resting upon said cleats, the cleats projecting endwise beyond said bottom, and opposite ends having corner joint connection with said sides and resting upon the ends of said cleats, said corner joint connection being adapted to hold said opposite ends and sides in box form with said bottom removed therefrom, said opposite ends having tapered upper portions, inclined roof sections resting upon said tapered upper portions and spaced apart at their upper ends, and a longitudinal top section having spaced sides resting upon the upper ends of the roof sections and having ends provided with detachable connections with said opposite ends, said opposite sides having end notches and said roof sections having cleats having tapered lower ends engaging said notches.

1,484,519. SHAKER BAR. CONRAD L. MEISTER, Wilmington, N. C. Filed May 4, 1923. Serial No. 636,602. 8 Claims. (Cl. 126—169.)



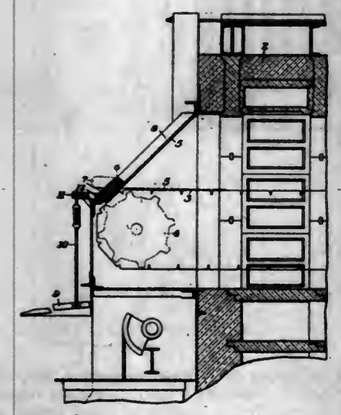
1. In combination with a rocker arm having a curved locking surface, a shaker bar provided with a head having a passageway adapted to receive the curved surface of the arm and provided with a curved locking surface adapted to coact with the first mentioned locking surface to hold the bar in position upon the arm, the bar being separable from the arm by simultaneous lifting and turning movements only.

1,484,520. WALL STRUCTURE. CHARLES L. MICHOD, Chicago, Ill. Filed Dec. 11, 1920. Serial No. 429,921. 11 Claims. (Cl. 72—40).



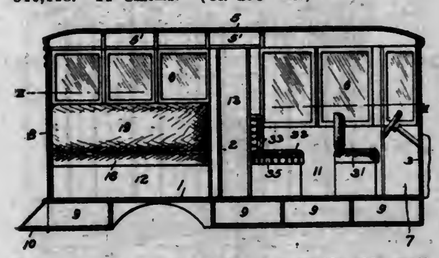
1. A wall structure formed of an upwardly-extending framework, bodies arranged in edge-to-edge relation extending upwardly and flatwise opposing a face of said framework, a member adapted to support said bodies at their lower ends independently of said framework, and means connecting said bodies with said framework.

1,484,521. CHARGING DOOR FOR LEERS. EDWIN E. MILNER, Scott Township, Allegheny County, Pa., assignor to H. L. Dixon Company, Carnegie, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1921. Serial No. 453,465. 8 Claims. (Cl. 49—46.)



5. An annealing leer having a charging opening, inclined frame members arranged across such opening and spaced transversely from each other, a charging door pivotally mounted between each pair of said frame members and arranged to close upwardly and outwardly against said members, each of said doors having a counterweight substantially balancing the door but arranged to normally hold it in closed position, together with separate actuating means for opening each of said doors, substantially as described.

1,484,522. HABITABLE CAMPING VEHICLE. NINIAN R. MOORE, Dubois, Pa. Filed Mar. 1, 1922. Serial No. 540,148. 14 Claims. (Cl. 296—23.)



1. A camping vehicle having a movable side wall, a seat disposed in said vehicle, a movable back mounted on said seat and linkage mechanism connecting said back to said side wall.

1,484,523. SAUSAGE CASING AND PROCESS OF PRODUCING THE SAME. BERNARD JOSEPH MUMM and BERNARD JOHN MUMM, St. Paul, Minn. Filed Jan. 25, 1923. Serial No. 614,844. 9 Claims. (Cl. 17—45).



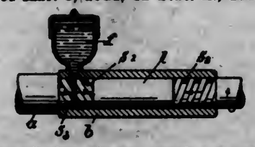
1. As a new article of manufacture, a seamless sausage casing in the form of an animal intestine having its particles permanently displaced by longitudinal extension and circumferential contraction, whereby the casing has greater length and less diameter than that of the original intestine from which it was made.

1,484,524. METAL-LATH CLIP. HARRY M. NAUGLE, Canton, Ohio. Filed Sept. 24, 1921. Serial No. 502,976. 2 Claims. (Cl. 72—118.)



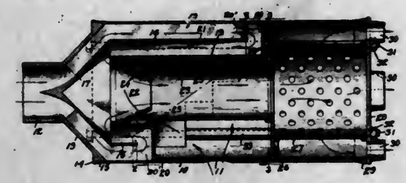
1. The combination of a T-flange of a steel joist or the like with reticulated metal lath on the face of the flange, and a spring metal clip for securing the lath to the flange, comprising a body portion for abutting the face of the lath, a relatively long hook on one end for spring engaging one edge portion of the flange by an endwise movement to clamp the lath thereto and a relatively short hook at the other end for spring engaging the other edge of the flange to clamp the lath thereto and to draw the longer hook into clamping engagement.

1,484,525. MEANS FOR DAMMING UP SEMISOLID SUBSTANCES. JACOB EMIL NOBOOMBATH, The Hague, Netherlands. Filed July 8, 1920. Serial No. 394,862. 1 Claim. (Cl. 64—24. (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A device for placing viscous substances under pressure comprising in combination, members in contact with one another, one being adapted to revolve relatively to the other, a spiral groove in the contact surface of one of said members, means for feeding a viscous substance into the suction end of said groove and another spiral groove in the contact surface of one of said members arranged to feed towards the pressure end of said first groove.

1,484,526. MUFFLER. MICHAEL J. O'CONNOR, Bloomingdale, N. J. Filed May 3, 1921. Serial No. 466,593. 12 Claims., (Cl. 137—160.)



2. A muffler for explosive engines comprising a common passage adjacent the engine, branches of varying length extending rearwardly therefrom, a common passage to which said branches lead, means to subdivide the exhaust gases after leaving the last named common passage, and means surrounding the entrance of the last named common passage for admitting air thereto, substantially as set forth.

1,484,527. WELL-DRILLING BIT. JEFFERSON DAVIS PACE, Shreveport, La. Filed May 7, 1921. Serial No. 467,608. 6 Claims. (Cl. 255—72.)

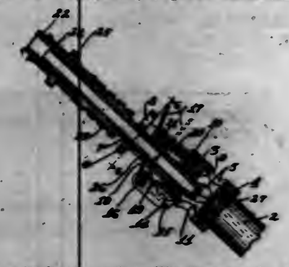


1. In a well drilling tool, a rotary hollow drill pipe having a terminal shoe body with cutting teeth on the lower end and passages therethrough for the outflow of water, said shoe body having a central core opening, and a core barrel secured therein and rising above the shoe body within the drill pipe, said core barrel having a check valve at its upper end preventing passage of water into the barrel, a cylindrical cutter section secured to and extending downwardly from the shoe body in alinement with the core barrel and terminating in an annular cutting edge substantially at the same level as the cutting teeth on the shoe body and preventing water from entering the lower end of the core barrel when drilling.

1,484,528. GAS-IRON HOSE CONNECTER. HERMAN A. PAQUETTE, Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,393. 6 Claims. (Cl. 285—173.)

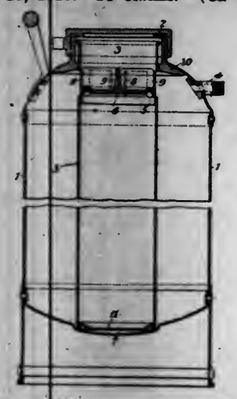
5. The combination with an apertured housing and a grooved plug adapted to be inserted therein, of a pivoted apertured member on said housing adapted to receive the plug and engage in the groove thereof to hold the plug locked within the housing.

6. The combination with an apertured connecter housing having a mixing chamber therein, of a grooved plug adapted to be projected into the housing and into the combustion chamber thereof, an apertured lever pivoted on the housing and projecting therethrough to permit the plug to be inserted therethrough, guide members integrally



formed on said lever, and resilient means in said housing adapted to hold the lever inclined with respect to the plug to permit the lever to engage in the plug groove to hold the plug locked in the housing, said lever adapted to be depressed to permit release of the plug and withdrawal thereof from the housing.

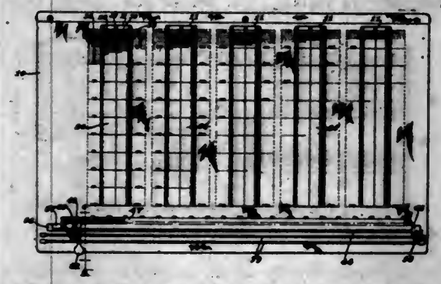
1,484,529. FIRE EXTINGUISHER. DUNCAN WHITE PATTERSON, New York, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 8, 1919, Serial No. 316,153. Renewed May 22, 1923. 14 Claims. (Cl. 169—32.)



1. A fire extinguishing apparatus including an outer container, an inner container having unbroken vertical sides extending to a point adjacent to the top of the outer container, ports in said walls adjacent the upper end of the inner container, a stopple seat mounted on said walls and located below said ports, and a stopple resting upon said seat and closing the lower portion of the inner container, the construction being such that the sides of the container above said seat form guide means for directing said stopple toward and from the seat when the apparatus is inverted.

1,484,530. COMPUTING MACHINE. CLARENCE E. PERRY, Irasburg, Vt. Filed June 3, 1922. Serial No. 565,698. 4 Claims. (Cl. 235—86.)

1. A computing machine comprising a casing provided with a plurality of sight openings, a like number of rollers positioned adjacent the sight openings, a similar group of rollers spaced from the said first group of rollers, sheets wound about the pairs or rollers of the two groups and visible in par through each of the sight openings, manual means for rotating the rollers selectively in opposite directions to wind and unwind the sheets upon the rollers, numerical groups positioned upon the casing adjacent the sight openings, other numerical groups positioned upon the traveling sheets and displayed through the sight openings, said groups upon the sheets bearing mathematical relations each to the other, and a stop manually movable



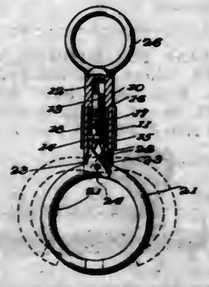
and numerically designated adapted to interrupt the movement of the sheets to display numerical groups predetermined by the positioning of the stop.

1,484,531. BROOM SHIELD. JAMES R. POWELL, Los Angeles, Calif. Filed Apr. 28, 1923. Serial No. 635,305. 4 Claims. (Cl. 15—175.)



1. In a broom shield, the combination with broom filaments and binding elements for the filaments, of a fabric shield member encasing the filaments, and extending above and below the broom binding elements, eyelets in the fabric and above and below the broom binding elements, binding cords passing through the eyelets and through the broom filaments above and below the broom binding elements, an elastic band forming the bottom of the shield body, and reinforcing elements within the body and extending vertically along the edges thereof.

1,484,532. KEY RING. JAMES B. QUIGLEY, Independence, Mo. Filed Mar. 6, 1923. Serial No. 623,216. 8 Claims. (Cl. 59—96.)



1. In a device of the character described comprising a stem, a pair of jaws each having its one end pivotally connected to the similar end of the stem and the pivoted

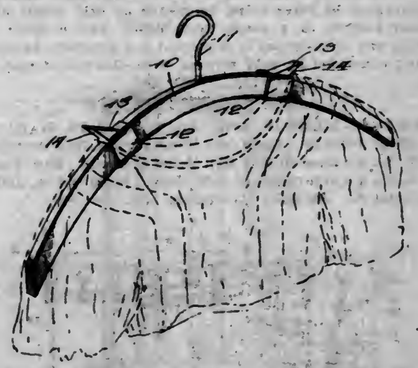
end of each jaw being formed with a projection, and means movable in the stem whereby to engage between the projections and lock said jaws in their closed position.

1,484,533. HYDRAULIC-VALVE PLUNGER. SAMUEL J. RANDALL, Youngstown, Ohio. Filed May 14, 1923. Serial No. 638,786. 4 Claims. (Cl. 74—109.)



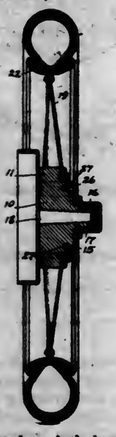
1. A hydraulic valve plunger including a stem, two spools thereon each having a reduced portion adapted to receive a metallic packing ring, the rings being narrower than the reduced portions, and a spool adapted to fit between the first mentioned spools and having oppositely disposed rims adapted to fit over the reduced portions and co-operate with them to form a pair of spaced-apart grooves for the metallic packing rings when the plunger is assembled, substantially as described.

1,484,534. MEANS FOR HOLDING GARMENTS ON HANGERS. FREDERICK M. RAUCH and WALTER J. BROOKS, Washington, D. C. Filed Apr. 23, 1923. Serial No. 634,063. 1 Claim. (Cl. 211—13.)



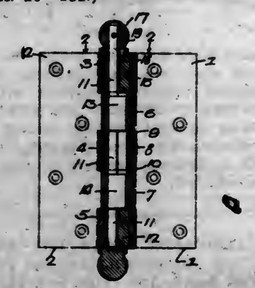
A garment hanger comprising a bar, provided at its middle portion with suspension means, and elastic sleeves mounted on said bar on opposite sides of the suspension means, each sleeve being provided with an upstanding lug formed with an outwardly disposed upwardly projecting undercut shoulder, said sleeves being adjustable longitudinally upon said bar towards and from each other for engagement with the neck portion of a garment to hold the same in distended condition upon the bar, the said shoulders being designed to engage the inner side of the neck portion of the garment and extending upwardly and outwardly over and above said neck portion a sufficient distance to prevent any accidental disengagement of the neck portion with the shoulder by a casual lifting of the garment at either side thereof.

1,484,535. VEHICLE WHEEL. JOHN W. SHEPARD, Tucson, Ariz. Filed Jan. 18, 1923. Serial No. 613,464. 5 Claims. (Cl. 301—64.)



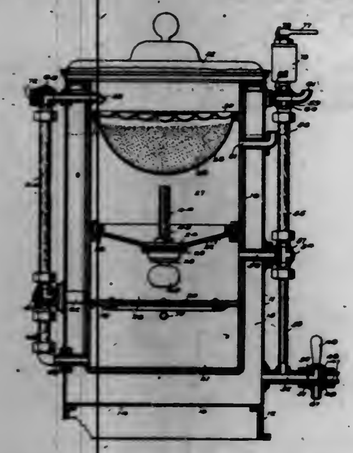
5. In a vehicle wheel, a hub having a radially corrugated shoulder at one end, a disk having a tire supporting rim at its outer periphery and provided with a centrally apertured portion adapted to fit over the hub, corrugations extending radially from the apertured portion adapted to fit against the corrugated shoulder, a radially corrugated washer adapted to fit over the hub against the opposite side of the disk, and a plurality of beveled lugs extending radially from the hub at the opposite end from the shoulder, a clamping member having complementary beveled lugs adapted to engage the hub lugs for impinging the washer against the disk and for locking the same against displacement, an exteriorly threaded extension from said end of the hub and a cap threadedly engaged thereover for locking the clamping member against displacement, the threads of said cap having a reverse pitch to the inclination of the beveled lugs.

1,484,536. HINGE. ALBAN WARREN WAY, Philadelphia, Pa. Filed Jan. 23, 1923. Serial No. 614,411. 9 Claims. (Cl. 16—131.)



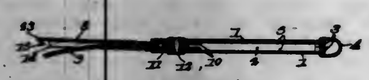
1. The combination in a hinge, of two leaves, each leaf having knuckles; a pintle adapted to be inserted into position from one end of the hinge, said pintle having a cam located in one of said knuckles; and an eccentric bushing detachably mounted in one of the other knuckles and through which the pintle extends so that, when the pintle is withdrawn, the bushing is also withdrawn.

1,484,537. AUTOMATIC REPOURING COFFEE URN. JOHN V. WELLS, New York, N. Y. Filed Sept. 14, 1922. Serial No. 588,160. 8 Claims. (Cl. 53—3.)



1. An automatic repouring coffee urn, comprising a container divided into an upper and lower compartment, the division member for dividing the container being formed with an aperture, a valve seat positioned in said aperture and a valve member for closing said seat, said valve member being provided with a float adapted to cause the valve member to seat when the lower compartment has recevied a predetermined quantity of liquid, tubular means extending from the bottom of said lower compartment to a point above the upper compartment, foraminous means carrying ground coffee arranged in said upper compartment, and means for forcing water and steam into said lower compartment whereby the liquid in said lower compartment will be intermittently forced therefrom and discharged into the means carrying said ground coffee.

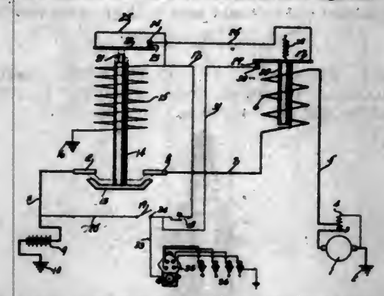
1,484,538. RAZOR-BLADE KNIFE. CHARLES P. WETMORE, Milwaukee, Wis., assignor to Wetmore Mechanical Laboratory Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 3, 1922. Serial No. 548,907. 5 Claims. (Cl. 30—10.)



1. In a razor-blade knife the combination of a handle having spaced sides and blade-clamping leaves one of which is resilient, pivotally connected with each other and with the sides of the handle and outwardly offset to exert a yielding outward pressure against the sides of the handle adjacent their pivot connection therewith and to react with a clamping pressure on the adjacent end of an interposed blade.

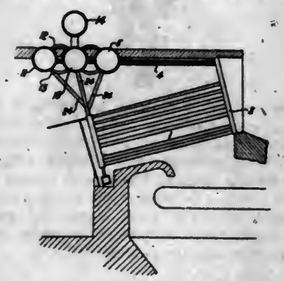
1,484,539. AUTOMATIC STARTING DEVICE FOR MOTORS. LOY MILTON WILLIAMS and CHARLES JAMES JEWETT, Fort Smith, Ark. Filed Dec. 21, 1921. Serial No. 523,911. 3 Claims. (Cl. 172—239.)

1. An automatic starting device for motors which comprises a main circuit including an electric motor, a battery, a main switch in said circuit, and a magnetic means, a holding circuit including a magnetic means for controlling movement of the main switch, an operator's switch connected between the battery and the second mentioned magnetic means, a switch controlled by the energization of the second mentioned magnetic means,



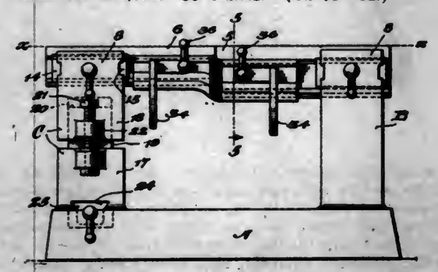
and a switch cooperating with the last mentioned switch for closing the holding circuit and operated upon energization of the main circuit magnetic means.

1,484,540. HIGH-PRESSURE WATER-TUBE BOILER. HENRY WITZ, Oberhausen, Germany, assignor to Babcock & Wilcox Company, New York, N. Y. Filed Mar. 5, 1923. Serial No. 622,966. 4 Claims. (Cl. 122—235.)



1. In a steam boiler, a bank of inclined water tubes vertically divided into groups, said tubes being connected at either end by headers, a plurality of transverse, interconnected drums, steam and water returns and water downtakes connecting said drums with said headers, each group of tubes being connected by said steam and water returns to a single drum other than a drum to which any other group is connected and alternate headers being connected by said returns with different drums.

1,484,541. METHOD AND MACHINE FOR MAKING STEP JOINTS. BENJAMIN WOLHAUPTER, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1921. Serial No. 505,853. 35 Claims. (Cl. 78—82.)



25. In an apparatus for making rail step joint bars, the combination of a supporting structure comprising a base, a pair of standards mounted thereon, a pair of dissimilar rail-dies respectively supported on said standards, means for relatively adjusting said standards whereby said rail-dies may be brought into surface alignment, and removable clamps for temporarily supporting a pair of half length plates positioned in fishing relation on said dies.

1,484,542. ABRASION UNIT FOR RAIL JOINTS. BENJAMIN WOLHAUPTER, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1922. Serial No. 601,600. 8 Claims. (Cl. 238—244.)



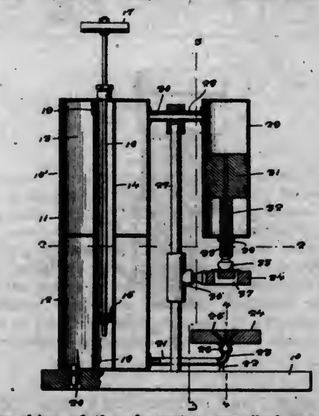
3. In a rail joint, the combination with a joint bar and the rail ends, of a divided longitudinally adjustable metal abrasion unit of greater length than the joint bar.

1,484,543. INSULATED RAIL JOINT. BENJAMIN WOLHAUPTER and CLARKSON A. DISBROW, New Rochelle, N. Y., assignors to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed July 9, 1923. Serial No. 650,451. 7 Claims. (Cl. 238—159.)



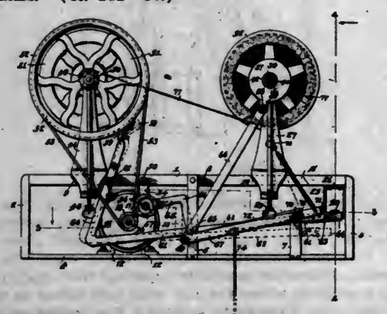
1. An insulated rail joint including a joint bar having a longitudinally disposed groove therein, a metal rail bearing block arranged in said groove and insulation seated in said groove and embracing the metal bearing block.

1,484,544. CASTING MACHINE. JAMES E. WOOD, Fairmont, W. Va. Filed Apr. 10, 1922. Serial No. 551,101. 2 Claims. (Cl. 22—78.)



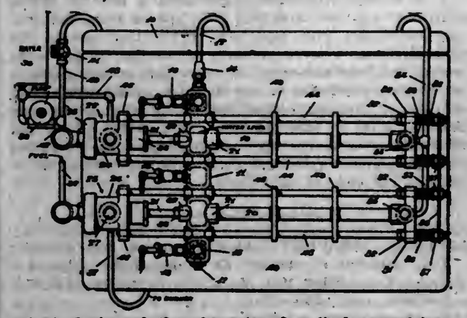
1. A machine of the character described comprising a base, a tank rising from the base and divided into suction and pressure compartments, a pump associated with the tank and operable to produce suction within the suction compartment and pressure within the other compartment simultaneously, a flask support having a pipe connection with said suction chamber and a flask press having a pipe connection with the pressure chamber, said press consisting of a cylinder, a piston operating therewithin and having a piston rod, and a presser plate carried by the piston rod and connected therewith by a ball and socket joint, an upright guide rising from the base in spaced relation to the tank, and a carriage slidable upon said guide and having a ball and socket connection with said presser plate.

1,484,545. REWINDING MACHINE FOR MOVING-PICTURE FILMS. WALTER B. ASPLEY, Glasgow, Ky., assignor of one-half to John E. Richardson, Glasgow, Ky. Filed Mar. 28, 1923. Serial No. 628,320. 4 Claims. (Cl. 242—57.)



1. A rewinding machine for moving picture films comprising a rotatable element from which the film is unwound, a rewinding reel for the film unwound from said element, an electric motor including a driving circuit therefor, a transmission belt extending from said motor to said rewinding reel for operating the latter, a circuit opening and closing device for said driving circuit, a lever mechanism including means to constitute a brake for said reel and a tension applying roller for said belt and a contact breaker for said device, said brake and said contact breaker being in operative engagement with said reel and device and said roller being in inoperative engagement with said belt when the operation of the reel is discontinued, and a frictional drag mechanism connected with said element and maintained in operative position during the operation of said reel to hold said lever mechanism in non-braking position with respect to said reel and said roller in tension applying position with respect to said belt and said contact breaker clear of said device to provide for the closing of the driving circuit.

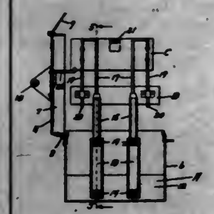
1,484,546. COMBINATION WATER COLUMN AND WATER AND FUEL CONTROLLER. HARTLEY O. BAKER, Pueblo, Colo., assignor to The Baker Steam Motor Car and Manufacturing Co., Inc., Pueblo, Colo. Filed Nov. 19, 1921. Serial No. 516,421. 8 Claims. (Cl. 122—448.)



1. A device of the character described comprising a water column, an expansion and contraction tube connected to the column, means connected to the tube and

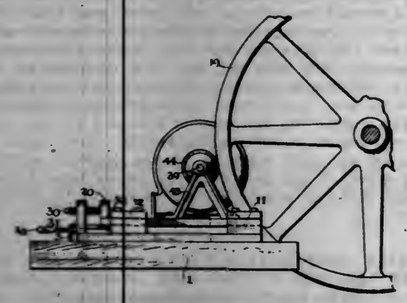
slidable through the column, and controlling means having relatively movable parts connected to said means and column.

1,484,547. TOOL KIT. OLE T. BEKKEM, Bristol, S. Dak. Filed Mar. 16, 1923. Serial No. 625,613. 4 Claims. (Cl. 206—16.)



1. A device of the class described consisting of a box having a cover hinged thereto, a lower tray formed in the bottom of the box, upper trays arranged above the lower tray and normally resting thereon when the box is closed, collapsible means for spacing the upper trays in open position above the box when the latter is open, and means for detachably engaging the uppermost tray to retain the upper trays in said spaced relations.

1,484,548. BLOWER ATTACHMENT. WILLIAM O. BICKERSTAFF, Smithville, W. Va. Filed June 7, 1923. Serial No. 644,967. 6 Claims. (Cl. 74—26.)



1. A blower attachment comprising a base, a spring controlled platform arranged over, spaced from and slidably connected with said base, controlling springs for said platform, a lever pivotally connected to the outer side of the base and with the outer side of the platform for shifting the latter in one direction against the action of the platform controlling springs, a blower operating shaft mounted on said platform and provided at one end with means for connecting it with a blower for operating the same, and a frictional driving pulley carried intermediate the ends of said shaft.

1,484,549. AIR PUMP. ALLEN BURNAM, San Antonio, Tex., assignor of one-half to C. M. Hocker, San Antonio, Tex. Filed Mar. 2, 1921. Serial No. 449,070. 1 Claim. (Cl. 230—27.)

In an air pump, a cylinder, a head closing the upper end of the cylinder and provided with an air inlet opening and with an axial depending sleeve, a piston slidable in the cylinder, a piston rod extending through the head and through said sleeve mounting the piston, an air inlet valve associated with the piston, a spider clamped between said head and the cylinder surrounding said sleeve.



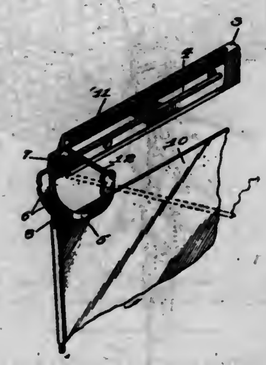
a valve surrounding the sleeve and slidable longitudinally thereon, and a spring bearing between said spider and the valve normally holding the valve closed to overlie said opening.

1,484,550. EXPANSION PLUG FOR LAMP SOCKETS. ARMHEAD C. CARSON, Columbia, S. C. Filed July 7, 1921. Serial No. 483,012. 5 Claims. (Cl. 173—360.)



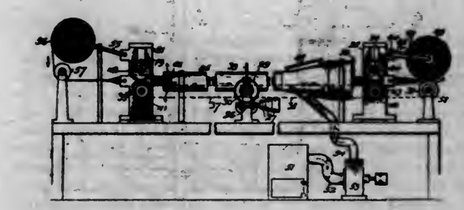
8. In an expanding plug, a substantially cylindrical body portion having a longitudinal channel therein, an arm pivoted in said channel, resilient means normally holding the free end of the arm within the groove, and a cam for forcing the free end of the arm partly out of the groove.

1,484,551. GLARE SHIELD FOR AUTOMOBILES. ARMHEAD C. CARSON, Columbia, S. C. Filed Aug. 14, 1922. Serial No. 581,806. 5 Claims. (Cl. 296—97.)



1. A glare shield, including a base, a frame hinged thereto, a resiliently mounted arm frictionally engaged by said frame, and resilient means for increasing the pressure of said arm against the frame.

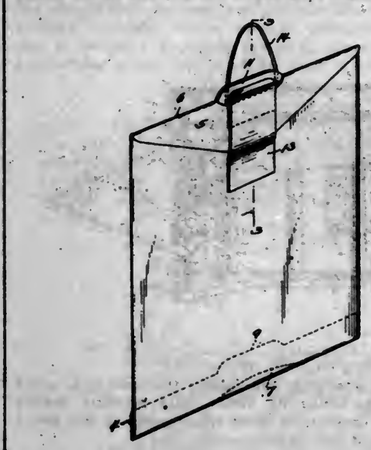
1,484,552. MACHINE FOR STRETCHING AND DRYING TUBULAR FABRICS. SAMUEL COHN, New York, N. Y., assignor to Mantle Machinery & Patents Company, New York, N. Y., a Corporation of New York. Filed July 9, 1920. Serial No. 395,056. 8 Claims. (Cl. 26—16.)



1. A machine for evenly stretching tubular fabric including a mandrel supported by rolling supports, over which mandrel the tubular fabric is adapted to be advanced continuously past the rolling supports, said mandrel having spaced members of relatively large diameter against which the rolling members exert a rolling pressure on the fabric to advance it, said mandrel having an intermediate connecting member between the spaced members of relatively smaller diameter whereby the fabric will be normally suspended between said spaced members.

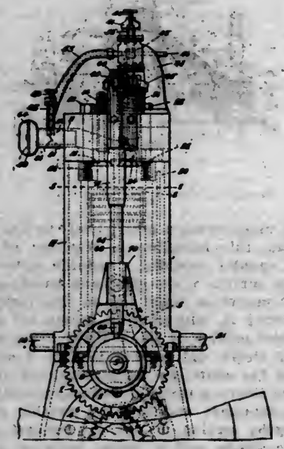
1,484,553. ARTICLE-CARRYING BAG. EARL A. CRAWFORD, Hudson Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a Corporation of New Jersey. Filed Aug. 11, 1922. Serial No. 581,184. 5 Claims. (Cl. 229—68.)

1. A bag of the character described comprising front and back sections closed at the bottom, a lip attached to one of said sections and foldable upon the other section to close the mouth of the bag, incisions being made in the lip adjacent to its line of fold to form a relatively short loop which projects upwardly above said line of fold when



the lip is folded, and a locking and carrying member adapted to overlie the lip when closed and capable of insertion through and extending upwardly beyond said loop.

1,484,554. INTERNAL-COMBUSTION ENGINE AND METHOD OF OPERATING THE SAME. HARRY H. ELMER, Syracuse, N. Y. Filed Apr. 6, 1922. Serial No. 550,229. 8 Claims. (Cl. 123—33.)

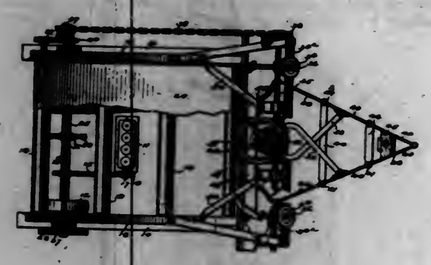


1. The method of operating internal combustion engines comprising filling into the engine cylinder a combustion supporting atmosphere containing therein a combustible fuel and injecting into such atmosphere a combustible volatilized fuel uncombined with a combustion supporting atmosphere, at a temperature at or above the ignition point of such fuel.

1,484,555. SNOW-REMOVAL DEVICE. JOHN B. GHIONE, New York, N. Y. Filed Nov. 14, 1922. Serial No. 600,874. 3 Claims. (Cl. 37—44.)

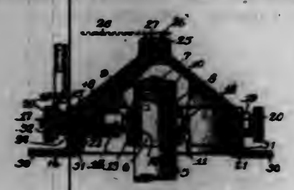
1. A device for clearing and removing snow from roadways comprising a self-propelled vehicle, means following in rear of said vehicle for receiving and conveying the snow, means on the vehicle for gathering up, elevating and discharging the snow in the path of movement of the

vehicle into the receiving and conveying means, and laterally flexible means disposed in advance of the vehicle



for splitting, separating and guiding the snow to be acted on by the gathering up means, said laterally flexible means being operable to effect the steering of the device upon flexing of the same.

1,484,556. TIMER. ERNEST VON HAMBACH, Chicago, Ill., assignor to Herbert D. Lafferty, Oakland, Calif. Filed Mar. 28, 1921. Serial No. 456,461. 2 Claims. (Cl. 200—26.)



1. In a timing device, a rotary shaft having a reduced threaded end, this reduction in diameter of the shaft forming an annular shoulder, a metallic sleeve fitting on said reduced portion of the shaft and having an interior longitudinal groove, a radial pin on the reduced part of the shaft fitting in said groove, a clamp nut on the end of the reduced portion of the shaft abutting against the end of said sleeve and serving to jam it against said shoulder on the shaft, an insulating-sleeve surrounding said metallic sleeve, a metallic contact extending through said insulating-sleeve and into the metallic sleeve, this contact thereby serving to lock the insulating-sleeve to the metallic sleeve, and a casing carrying a series of radial brushes bearing on the exterior surface of said insulating-sleeve.

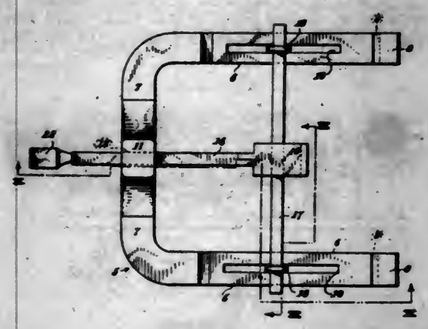
1,484,557. COMBINED SNAP AND BUCKLE FOR HARNESS. JOHN H. LATHAM, Mashall, Mo. Filed Aug. 9, 1923. Serial No. 656,518. 5 Claims. (Cl. 24—165.)

5. A combined snap and buckle comprising a body member provided with a hook portion at one end and a buckle portion at the other end, and means for closing the open part of the hook portion; said means including a dog hinged at the free end of the hook and a spring secured in the body member and adapted to engage with said dog to retain it in closed position, said dog having a heel and a toe forming a V into which the free end of said spring is adapted to engage, said body member having an opening adapted to receive said heel; said buckle portion including a pair of parallel arms medially connected by a cross-bar, and a top element connecting the upper ends of said arms,



said top element having a transverse slit and a hinged finger depending from said top element and adapted to contact with said cross-bar.

1,484,558. PIPE BENDER. LOUIS PETO, Vestaburg, Pa. Filed Jan. 31, 1923. Serial No. 616,145. 2 Claims. (Cl. 153—38.)



1. In a device of the character described, a U-shaped frame embodying spaced side arms having longitudinally extending slots formed therein, a cross piece connecting said arms, a boss formed on said cross piece, and upwardly bent ends formed on said arms, a movable head supported by said boss, a cross arm carried by said head, a link member carried by each end of said cross arm, said link members projecting through the slots formed in said arms, pins carried by the free ends of said link members, rollers carried by said pins, and means carried by said boss for moving said head toward the upwardly bent ends formed on said side arms.

1,484,559. LUGGAGE CARRIER FOR BICYCLES. HARLAN S. RECTOR, Chicago, Ill., assignor to The Beckley-Ralston Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 8, 1921. Serial No. 490,509. 7 Claims. (Cl. 208—45.)

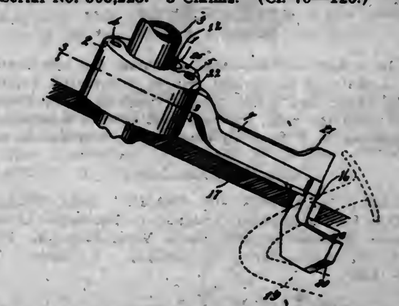
1. The combination of a stem adapted to be secured to a steering column, a supporting cross-bar fixedly secured

to the upper portion of the stem and a basket having a depressed portion over and overlying and secured to the



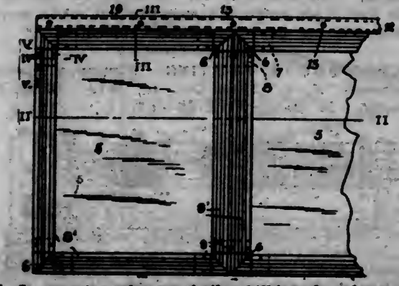
cross-bar, a portion extending below the cross-bar and sides at the ends of both portions of said basket.

1,484,560. LOCKING DEVICE FOR MOTOR VEHICLES. SIGMUND REISNER, Cincinnati, Ohio. Filed Oct. 4, 1921. Serial No. 505,223. 3 Claims. (Cl. 70—126.)



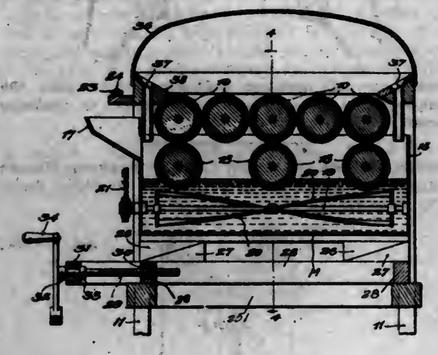
5. A device of the character specified comprising a housing, said housing being composed of two sections arranged when assembled to fit around the steering column of a motor vehicle, hardened pins for securing said sections together, an arm pivotally mounted on one of said pins, means in said housing operable by said arm and arranged to engage said steering column to lock the same against rotation, means for locking said arm against rotation, and means on the end of said arm arranged to engage a pedal of the vehicle to lock the same in a desired position.

1,484,561. BILLBOARD. ERNEST RICHARDSON, College Hill Borough, Pa. Filed Oct. 5, 1923. Serial No. 666,738. 2 Claims. (Cl. 40—125.)



1. In a rectangular or similar bill-board, a frame having a raised border and a back member, in combination with a sheet-metal molding comprising side members and elbow-shaped corner members, the ends of the side and the corner members overlapping, and fastening devices extending though both members and into the frame, one of the molding members having at each overlapping place a slot to receive a fastening device to compensate for irregularities in the lengths of the sides of the frame.

1,484,562. APPARATUS FOR TREATING FRUIT AND THE LIKE. HOMER C. RICKETTS, Winter Haven, Fla., assignor to Brogden, Ricketts & Haworth Company, Winter Haven, Fla., a Corporation of Florida. Filed Feb. 23, 1922. Serial No. 538,424. 29 Claims. (Cl. 91—40.)



3. Apparatus for treating fruit comprising the combination, with a plurality of rotary brush rolls mounted in parallel to provide one or more fruit runways, of a container for coating material located below said rolls, and an adjustably mounted roll extending into said container and frictionally driven by one of said brush rolls.

7. Apparatus for treating fruit or the like comprising the combination with a plurality of rotary rubbing rolls mounted in parallel to provide one or more fruit runways, and driving means therefor, of a container mounted below said rolls, a rotary applying roll substantially shorter than said rubbing rolls mounted therebelow with its axis substantially parallel with the axes of said rubbing rolls, said applying roll extending into said container and arranged to engage at least one of said rubbing rolls.

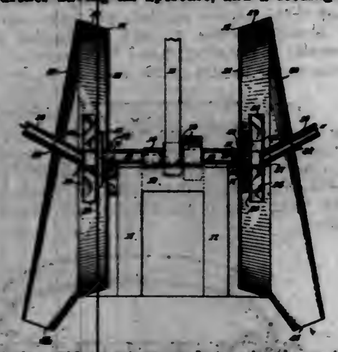
18. Apparatus for treating fruit comprising the combination, with brush roll mechanism providing a fruit runway, of a container for coating material adjustably mounted therebelow, applying roll means supported by and extending into said container and engaging said brush roll mechanism, and means for bodily adjusting said container toward and from said brush roll mechanism.

25. Apparatus for treating fruit comprising a series of rubbing rolls rotatably mounted side by side and cooperating in pairs to provide a plurality of parallel fruit runways, driving means for said rolls, and means for supplying treating material directly to the under side of a roll of each runway-forming pair.

1,484,563. CENTRIFUGAL NUT-CRACKING MACHINE. MAXWELL RIDDLE, Ravenna, Ohio. Filed Dec. 31, 1920. Serial No. 434,334. 2 Claims. (Cl. 146—9.)

1. In a device of the character described a support, a horizontal shaft journaled thereon, means for varying the speed of said shaft, a spider fixed to one end of said shaft, a disc secured to said spider, hollow radial spokes fixed to said disk and communicating at their adjacent ends, a drum enclosing the end of said shaft, said drum comprising a closed inner side, an oblique outer rim formed with said inner side, and a cover plate having

a discharge opening formed with said rim, said cover plate further having an aperture, and a feeding tube positioned in said aperture and terminating within the communicating space for said hollow spokes to discharge therein.

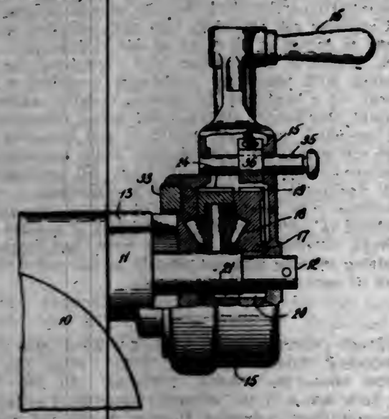


1,484,564. PACK OF GAME CARDS. RAYMOND HESSER RIFFNER, Philadelphia, Pa. Filed Nov. 1, 1921. Serial No. 512,025. 13 Claims. (Cl. 46—25.)



10. In a deck of cards, a plurality of cards, each card having numbers which differ from each other, the numbers on each card being different from the numbers on the other cards.

1,484,565. MULTIPLE-SPEED HANDLE. MALCOLM D. RIKER, Dover, N. J., assignor to McKiernan-Terry Drill Company, Dover, N. J., a Corporation of New Jersey. Filed July 23, 1921. Serial No. 487,207. 6 Claims. (Cl. 74—34.)



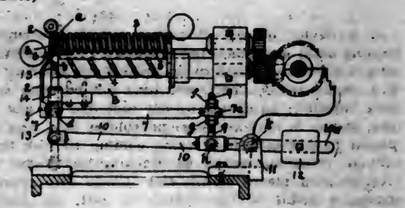
1. The combination with a shaft to be turned and a support therefor, of a frame rotatively mounted on the shaft, a pair of oppositely disposed racks supported by the frame, a gear cage between said racks having a gear meshing with said racks, ratchet teeth on said cage and on one of said racks, a pawl supported by the frame and adapted for cooperation with either of said ratchet teeth, means for selectively locking the gear cage or said ratchet-teeth-provided rack to the shaft, and means for locking the other said rack to said support.

1,484,566. THEATER CHAIR. LOUIS ROTH, New York, N. Y., assignor to Sterling Bronze Company, New York, N. Y., a Corporation of New York. Filed May 20, 1920. Serial No. 382,731. 9 Claims. (Cl. 98—27.)



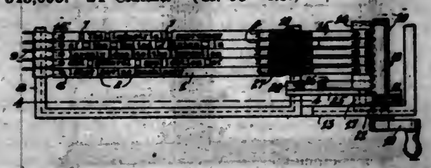
6. In a device of the class described, the combination with a chair, of an upright grill in co-operative relation to the chair, and a flue member positioned for feeding air through the grill, the rear wall of said flue member terminating in a hood in overhanging relation to said grill.

1,484,567. GILL BOX OR FRAME. JOHN WILLIAM RYAN, Leeds, England, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, York, England. Filed Oct. 23, 1922. Serial No. 596,485. 5 Claims. (Cl. 19—129.)



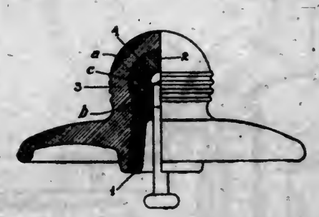
1. In a gill box or frame, the combination with upper and lower horizontal faller guides, faller bars, and screws adapted to move said bars along the guides, of a yielding arm extending into the path of the faller bars as they are successively forced from the upper guide, and means connected with said arm for receiving the bar as it leaves the upper guide and supporting it while moving downward to the plane of the lower guide.

1,484,568. ART OF PRINTING. EDWARD S. SAVAGE, Rochester, N. Y. Filed Dec. 15, 1919. Serial No. 345,095. 24 Claims. (Cl. 95—4.5.)



1. A method of preparing typewritten matter for duplication which employs a plurality of expansible strips each having a typed line thereon, and which consists in holding the letters at the beginning of the lines at points in alignment with each other, engaging the strips at points equi-distant from the ends of the typed lines, and shifting such points into alignment.

1,484,569. CERAMIC BODY. JOHANNES FRIEDRICH SCHEID, Margarethenhutte, Grossdubrau, Germany, assignor to the Firm: H. Schomburg & Söhne, Margarethenhutte, Grossdubrau, Germany. Filed Aug. 24, 1921. Serial No. 494,968. 3 Claims. (Cl. 18—59.)



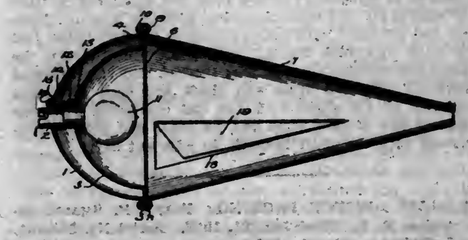
1. The method of fixing in a hollow of a ceramic body a second ceramic body of greater width than the opening of the said hollow, consisting in introducing said second body in baked condition in the hollow of said first ceramic body while this latter is still in a raw state and before it has been subjected to heat treatment.

1,484,570. PROTECTIVE BINDING FOR COLLARS. JAMES SCHEVENELL, New York, N. Y. Substitute for application Serial No. 297,540, filed May 16, 1919. This application filed Aug. 19, 1921. Serial No. 493,747. 5 Claims. (Cl. 2—67.)



1. An ornamental binding for collars, comprising a stand flange, a spaced face plate constituting a continuation of said stand flange, a spaced flap flange constituting a continuation of said face plate and having a crease flange extending upward into the space between said stand flange and said face plate and a guide adjacent said crease flange.

1,484,571. HEADLIGHT. EDWARD COOPER SEARLE, Hilo, Territory of Hawaii. Filed Aug. 22, 1922. Serial No. 583,577. 1 Claim. (Cl. 240—48.4.)



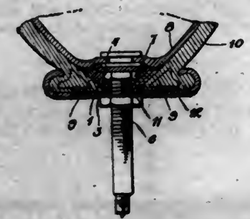
A shield of the character described of general tapering form, having a light passage in its smaller end, having light passages in its sides, and fixed plates constituting reflectors and located above the side light passages and inclined downwardly and outwardly from.

1,484,572. SHOCK ABSORBER. HARRY B. SHAFFER, Altoona, Pa. Filed Aug. 9, 1922. Serial No. 580,682. 7 Claims. (Cl. 267—10.)



1. A shock absorber comprising a spring drum adapted to be attached to one of two relatively movable parts, a frame pivoted coaxially with said drum, a pulley carried by said frame, a band engaging the surfaces of the drum and pulley secured at one end to the drum and at the other to a fixed anchorage, and means connecting the frame and the other of the said relatively movable parts.

1,484,573. VALVE-STEM WASHER. LEWIS CLYDE SHARPE, Kerrville, Tex. Filed Nov. 8, 1922. Serial No. 599,686. 1 Claim. (Cl. 152—12.)



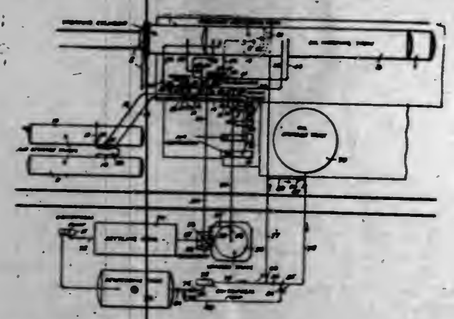
In combination a wheel rim, a pneumatic tire mounted on the rim, including a tube, a valve stem extending from the tube and through the rim, and a bridge washer having inclined end portions at all times free of contact with the rim, of a resilient washer having a central opening through which the valve stem passes, said resilient washer being formed with a broad surface which engages the bridge washer when acted upon by the tube when under pneumatic pressure, the washer having a conical outer surface confined and guided by the bridge washer and the inner surfaces of the bead of the pneumatic tire, said washer having a reduced edge at its smaller end adjacent the opening therein, whereby when pressure is introduced in the tube the inclined end portions of the bridge washer and the inclined surfaces of beads of the tire force the reduced edge of the resilient washer into the opening in the rim around the valve stem and forms a seal.

1,484,574. WOOD-TREATING PLANT. GRANT B. SHIPLEY, Pittsburgh, Pa. Filed May 10, 1922. Serial No. 559,807. 7 Claims. (Cl. 99—12.)

3. A wood treating apparatus comprising a treating cylinder, a superposed oil-working tank, a measuring tank, disposed in one end of the oil-working tank, a conduit connecting the bottoms of the oil working tank and treating cylinder, a conduit leading from the bottom of the measuring tank to the top of the treating cylinder, an air storage tank, a conduit establishing communication between the storage tank and measuring tank, the relative sizes of the air storage tank and measuring tank being such that the desired maximum pressure within the treating cylinder may be quickly obtained by causing equalization of the pressures within the last named tanks.

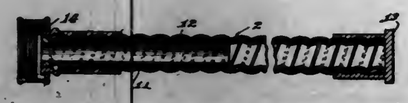
4. A wood treating apparatus comprising a treating cylinder, a superposed oil measuring tank, a conduit

establishing communication between the measuring tank and treating cylinder, an air storage tank, a conduit leading from the air storage tank to the measuring tank, the relative sizes of the air storage and measuring tanks being such that an equalization of pressures therein will result in the desired maximum pressure to be established



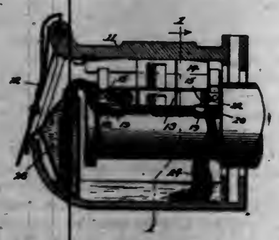
in the treating cylinder, a vacuum tank, a pipe connecting the vacuum tank and treating cylinder, the vacuum tank being of such proportions relative to the treating cylinder that an equalization of the pressures within the vacuum tank and treating cylinder will quickly produce the predetermined low pressure desired therein.

1,484,575. DISCHARGE MEMBER FOR USE IN IRRIGATING SYSTEMS. NEAL P. SHULIN, Butte, Mont. Filed Apr. 29, 1922. Serial No. 557,291. 1 Claim. (Cl. 299—104.)



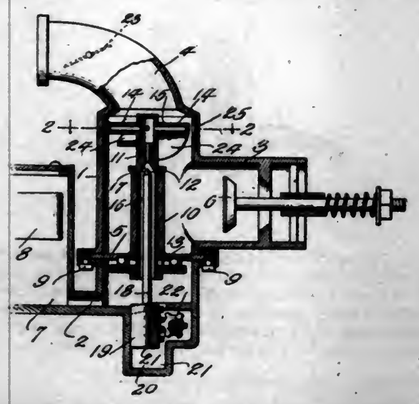
In a device of the character described, a discharge member comprising a flexible tubing made of superposed series of concentric spiral convolutions fashioned of two metallic strips, the convolutions of each strip being slightly spaced and the convolutions of the two strips being arranged in staggered relation, means for closing one end of the flexible tubing, means connecting with the flexible tubing at its other end for supplying liquid thereto, and a relatively short tubular baffle inserted in the last named end of the flexible tubing.

1,484,576. LUBRICATOR. GEORGE PHILIP SIMMONS, Herkimer, N. Y., assignor to Horrocks Desk Company, Herkimer, N. Y., a Corporation of New York. Filed Aug. 24, 1920, Serial No. 405,620. Renewed Oct. 7, 1922. Serial No. 593,143. 5 Claims. (Cl. 64—24.)



1. The combination of a journal box; a brass mounted therein; a journal turning against said brass; a wick composed of fibrous and metallic strands; and clips mounted on the sides of said brass, near the ends thereof, and having eyes with adjacent bowed retaining portions serving to retain the wick in contact with the journal at points intermediate said clips, through the inherent rigidity of the wick.

1,484,577. CARBURETOR. MOYLE SKAER, Augusta, Kans. Filed Aug. 18, 1921. Serial No. 493,245. 2 Claims. (Cl. 261—79.)

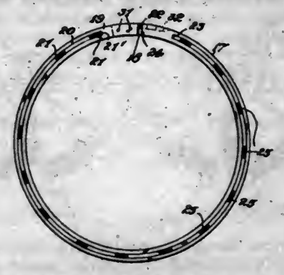


1. A carburetor comprising a vertically disposed casing having a fuel inlet at its lower end and a mixture outlet at its upper end and intermediate its height an air inlet, a partition in said casing beneath the air inlet and provided with an opening, a sleeve extending upwardly from said partition about the opening therein, a tubular shaft rotatably mounted in said sleeve and open at its lower end and closed at its upper end and intermediate its length internally thickened to provide a valve seat, arms extending in radiating relation from the upper end portion of said shaft and communicating with the interior thereof and having outlet openings, a valve element extending into the hollow shaft through the open lower end thereof and movable vertically into and out of seating engagement with the valve seat within said shaft, and means for imparting rotary motion to said shaft when the carburetor is in operation.

2. A carburetor comprising a vertical casing having a lower fuel inlet, an upper mixture outlet, and an intermediate air inlet, a partition in said casing beneath the air inlet and provided with a centrally disposed opening, a sleeve extending upwardly from said partition axially of said casing and open at its upper and lower ends, a hollow shaft rotatably mounted in said sleeve and open at its lower end and closed at its upper end, arms extending in radiating relation from the upper end portion of said shaft and communicating with the interior thereof, and provided with outlet openings for permitting fuel to pass upwardly through said shaft and through the arms out through the openings thereof, and vanes formed integral with the arms and shaft and each extending spirally of the shaft with one end connected with one side of one of said arms and its other end portion connected with the shaft beneath an adjacent arm.

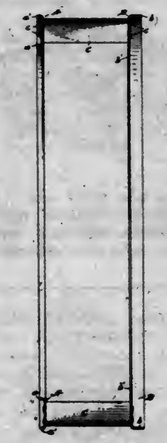
1,484,578. PISTON PACKING. FRANK E. SMALL, Jamaica, N. Y. Filed Jan. 21, 1922. Serial No. 530,751. 7 Claims. (Cl. 74—109.)

1. A piston packing for the grooves of pistons for the cylinders of internal combustion engines and the like, comprising a resilient split ring adapted to expand into contact with the cylinder bore by its own resiliency, said ring having a substantially annular groove in its lower face, and spring means within said annular groove for maintaining the ring under spring pressure within the piston groove, said spring means being provided with



means for substantially preventing the creeping of said spring within said annular groove and of said ring within said piston groove.

1,484,579. FAN WHEEL AND METHOD OF MAKING THE SAME. FREDERICK R. STILL, Detroit, Mich., assignor to American Blower Company, Detroit, Mich., a Corporation of Michigan. Filed May 25, 1920. Serial No. 384,056. 16 Claims. (Cl. 78—46.)



1. In a fan wheel, a blade supporting member and blade, the blade being provided at one end with an integral projecting portion of reduced size, and the blade supporting member having an aperture to receive the projecting end portion of the blade, the main end portion of the blade bearing against a face of the blade supporting member with the adjoining projecting end portion of the blade extending into the aperture of the blade supporting member and being electrically welded thereto.

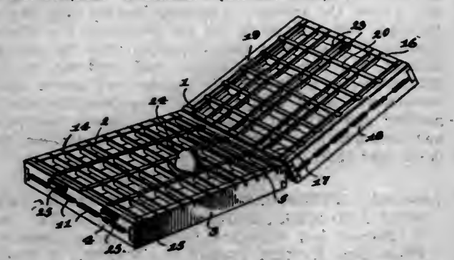
4. The process of securing fan blades to end plates or rims consisting in providing a projecting portion on the end of the blade, and an aperture in the end plate or rim to receive the projecting end portion of the blade, forming the aperture of greater area than the initial cross sectional size of the projecting portion of the blade, and forming the projecting portion of the blade initially of a length to provide a mass of metal beyond the outer face of the end plate or rim, supporting the blade in position relatively to the end plate or rim with said projecting portion of the blade extending through the aperture of the end plate or rim; and simultaneously applying heat and pressure to the projecting end portion of the blade to melt down the projecting end portion of the blade to fill up the space between said end portion of the blade and the wall of the aperture, and weld the adjoining parts together.

1,484,580. SPRING WHEEL. FREDERICK STITZEL, Louisville, Ky. Filed Mar. 20, 1923. Serial No. 626,301. 3 Claims. (Cl. 152—32.)



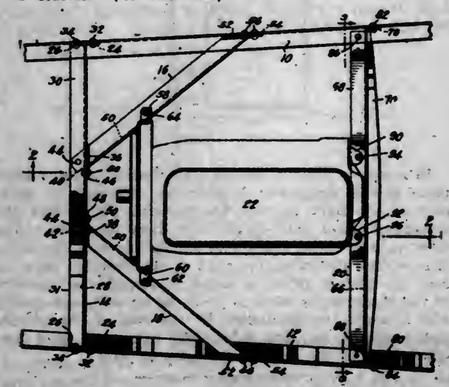
3. A spring wheel, comprising an inner member and an outer member, the inner member having outwardly projecting hangers and the outer member having inwardly projecting hangers arranged in pairs and staggered, the hangers being of rigid construction and rigidly connected to their respective wheel members, rigid rings engaged and supported by the hangers and a cushioning medium interposed between the said rings.

1,484,581. EGG CRATE. JAMES R. STOTHART and LEON BERNSTEIN, Coushatta, La. Filed Oct. 16, 1922. Serial No. 594,903. 3 Claims. (Cl. 217—27.)



1. An egg crate comprising a body section, a top section partitions disposed in said top and body sections and dividing the crate into a number of cells adapted to receive eggs, broad flat rubber bands stretched across the top and body sections above and below the opposite ends of the eggs, and pairs of relatively thin rubber bands held by said partitions for engaging the lateral portions of the eggs, substantially as described.

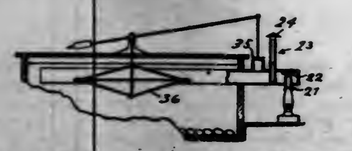
1,484,582. MOTOR-VEHICLE ENGINE-SUPPORTING STRUCTURE. ALFRED T. STURT, Flint, Mich., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed June 3, 1922. Serial No. 565,754. 4 Claims. (Cl. 180—64.)



1. A motor vehicle engine supporting structure comprising longitudinal side members, a transverse member, diagonal members secured thereto and to said side mem-

bers for supporting the engine at one end and a second transverse member comprising a web portion and oppositely extending flange portions, and means for securing the opposite end of the engine to the upper one of said flange portions at a lower level than the end supported on the diagonal members.

1,484,583. BROODER-HEATING DEVICE. MITSUJI TATEOKA, Gardena, Calif. Filed Oct. 29, 1921. Serial No. 511,279. 3 Claims. (Cl. 237—3.)



3. In a heater for brooders, the combination with a brooder housing, of a heater housing adjacent thereto, a lamp within the heater housing, a tubular circulating member extending from the heater housing and within the brooder housing, a hood enclosing the tubular member, a bracket within the hood and supporting the tubular member, a flue extending vertically from the lamp and within the tubular circulating member and having its upper end adjacent to the top portion of the tubular member, a smoke vent tube extending from the tubular member and having its bottom end adjacent to the bottom portion of the tubular member and spaced apart therefrom, a draft vent tube extending from the tubular member and adjacent to the flue and smoke vent tube, and automatically operated means for controlling the draft vent tube.

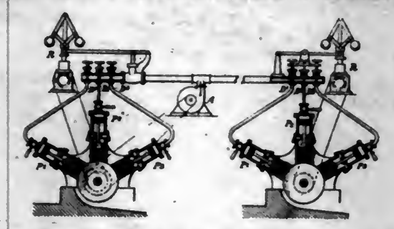
1,484,584. FINDER FOR MOTION-PICTURE CAMERAS AND SIMILAR OPTICAL APPLIANCES. ODO D. TAUERN and NIKOLAUS LYON, Freiburg, Germany. Filed Aug. 1, 1922. Serial No. 579,075. 1 Claim. (Cl. 95—42.)



In a motion picture camera, an objective, a plane glass plate placed diagonally behind the objective to cause part of the light to pass therethrough and deflect the remaining lesser part of the light rays laterally, a film window behind said glass plate and in line with the objective, a lens system in the path of the deflected rays behind the picture plane, a finder in which a real picture of the object to be taken is produced by said lens system and a screen corresponding to the size of the picture and arranged between said glass plate and said lens system and in the path of the deflected rays.

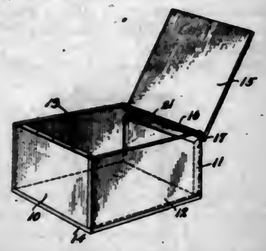
1,484,585. WOOD GRINDER. WILHELM THALER, Heidenheim-on-the-Brenz, Germany. Filed Aug. 15, 1921. Serial No. 492,485. 9 Claims. (Cl. 83—75.)

1. Wood grinding apparatus comprising grinder means, a plurality of associated presses, a common source of pressure for the latter, and means automatically and individually governing the delivery of power from said pressure source to the several presses to maintain the



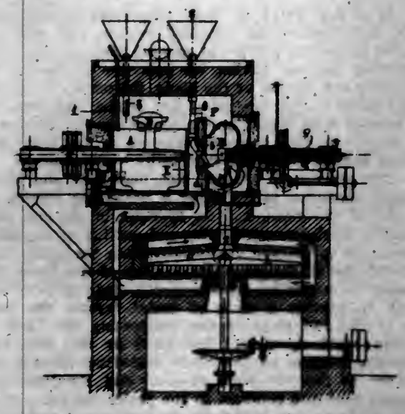
advance of the charges thereby substantially uniform regardless of variations in individual power demand for this purpose.

1,484,586. BOX CLOSURE. BUCK C. THOMAS, Shiro, Tex. Filed May 23, 1923. Serial No. 640,982. 5 Claims. (Cl. 217—57.)



1. A box having side walls and a rear wall of less height, a cover provided with an angular flange at one edge to form a closure with said rear wall, and pivot pins for said flange extending through the opposite side walls.

1,484,587. PROCESS AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF SULPHATES. LAURENT EMILE MARIE TREVOUX, Petit-Quevilly, France, assignor to La Societe Anonyme de Produits Chimiques, Etablissements Maletra, Siege Social, Petit-Quevilly, France. Filed May 24, 1921. Serial No. 472,231. 9 Claims. (Cl. 23—1.)



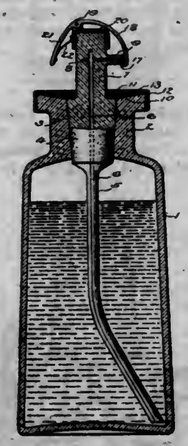
1. The process for the continuous production of sulphates from chlorides and sulfuric acid, which comprises methodically introducing the desired amounts of sulfuric acid and chloride within an already liquid mass of acid sulphate serving as a heat carrier, and assisting in the rapid transformation of the chloride into acid sulphate, thereupon adding an adequate amount of chloride to a liquid portion of said acid sulphate formed and intimately mixing to transform the mixture into a pasty mass and finally transforming said pasty mass into neutral sulphate by calcining said pasty mass whilst constantly stirring.

1,484,588. DEMOUNTABLE RIM. JOSEPH E. TROJAN, Columbus, Tex. Filed Sept. 28, 1921. Serial No. 503,758. 3 Claims. (Cl. 301—11.)



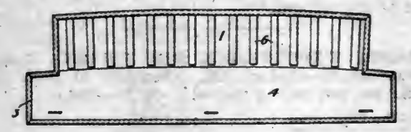
1. In a demountable rim construction for automobile wheels, a felly, a stationary rim on said felly, a demountable rim on said stationary rim, means cooperating with said demountable rim when the latter is slightly rotated on said stationary rim for securing said demountable rim against lateral displacement one of said rims being formed with a plurality of longitudinal ribs, partially spacing said stationary and demountable rims to facilitate said partial rotation.

1,484,589. BOTTLE. LEO TRUBEK, Hasbrouck Heights, N. J. Filed Nov. 21, 1922. Serial No. 602,447. 3 Claims. (Cl. 215—74.)



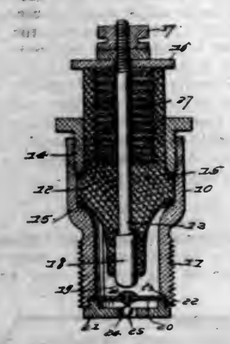
1. A perfume bottle which includes a body portion having a filling opening in the neck thereof, a stopper to be disposed in said opening, a tube dependent from the stopper within the bottle, said tube and stopper being provided with a continuous capillary passage, an extension on said stopper into which said passage extends, a nozzle on said extension, a lateral capillary passage in said nozzle extending to the first mentioned capillary passage, a valve for closing the end of the capillary passage on said nozzle, and means mounted on the extension for controlling the movement of said valve.

1,484,590. COLLAR. JOHN M. VAN HEUSEN, Boston, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed June 26, 1922. Serial No. 570,909. 8 Claims. (Cl. 139—386.)



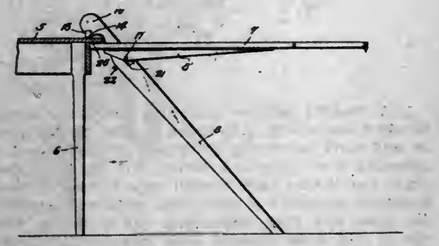
1. A folding collar of the built-up type, made in whole or in part of semi-stiff fabric comprising a neckband portion and a turn-down portion, said collar having woven in at least one of said portions a plurality of relatively narrow thickened zones which tend to stiffen the collar and which are adapted to facilitate the folding of the collar along a longitudinal curvilinear line of fold.

1,484,591. SPARK PLUG. MERRITT VAN SLYKE, Jacksonville, Fla. Filed Feb. 10, 1922. Serial No. 535,499. 5 Claims. (Cl. 123—169.)



1. A spark plug having a casing and terminals consisting of an apertured head at the inner end of the casing and a knob yieldingly suspended in the aperture for movement perpendicular to the plane of the head by pressure within the cylinder of an engine.

1,484,592. IRONING BOARD. MARTIN VARLAND, Radcliffe, Iowa. Filed Feb. 18, 1923. Serial No. 618,797. 1 Claim. (Cl. 68—10.)



An ironing board comprising a board member having a slotted end to fit beneath the edge of a support, parallel spaced cleats fixed beneath the slotted end of the board, a pivot secured in said cleats, a roughened block swingingly carried by said pivot, a leg having a slot near one end to slidably receive the block, a plate having a corrugated surface to engage with one face of the block fixed in said slot at one side, a clamping plate with a

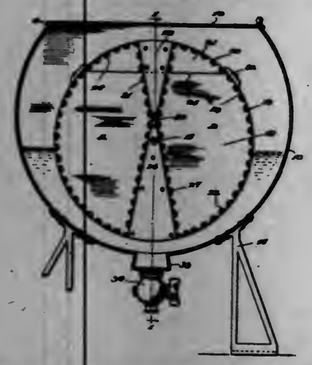
ribbed surface in the slot at the other side of the block, means to urge the clamping plate against the block, and a head on the leg received through the slotted end of the board and having a long strip to overlie the support and a cut-away part adjoining the head to receive the edge of the support.

1,484,593. DEMOUNTABLE RIM PULLEY. JAMES WALTERS, Birmingham, Ala. Filed Aug. 10, 1922. Serial No. 580,880. 2 Claims. (Cl. 74—106.)



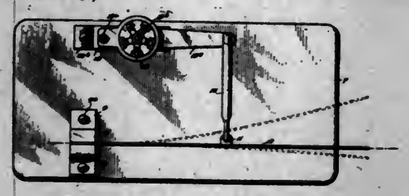
1. The combination with a tire supporting rim of a wheel, said rim having opposite annular shoulders, of a demountable pulley rim provided with an outer broad periphery provided with transverse grooves to effect frictional engagement with a driving belt, said pulley rim consisting of a continuous band provided with parallel annular interior major and minor ribs, said pulley rim being centrally thickened between the ribs constituting a wheel rim engaging seat bound by said interior annular parallel major and minor ribs which are offset substantially inwardly from the opposite edges of the pulley rim, the major rib extending radially inwardly, the minor rib offset outwardly, both ribs adapted to abut said annular shoulders of the tire supporting rim, thereby acting to limit the telescopical insertion of the pulley rim on the tire supporting rim.

1,484,594. WASHING MACHINE. HOWARD WARBURTON, Hamilton, Ontario, Canada. Filed Feb. 7, 1923. Serial No. 617,562. 3 Claims. (Cl. 68—18.)



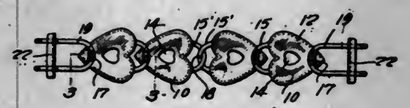
1. A washing machine comprising a casing, a revolvable shaft mounted in said casing, a drum rigidly secured on said shaft and having a plurality of longitudinal ribs extending from end to end thereof, said ribs being spaced apart and having their inward turned sides of convex formation providing a corrugated peripheral surface in the drum, and other longitudinal ribs of similar formation in said drum arranged along substantially diametrical planes therein and having either convex surfaces, facing the convex surfaces of said first ribs, said diametrical planes intersecting each other and said drum being divided into two mating segmental parts, the smaller of which forms a cover for the drum, and opposing wedge shaped supporting members or said other ribs secured respectively in said mating segmental parts of the drum.

1,484,595. DEMONSTRATING DEVICE. ARTHUR WATERMAN, East Orange, N. J., assignor to Edward V. Hartford, Inc., New York, N. Y., a Corporation of New York. Filed May 1, 1922. Serial No. 557,809. 5 Claims. (Cl. 35—16.)



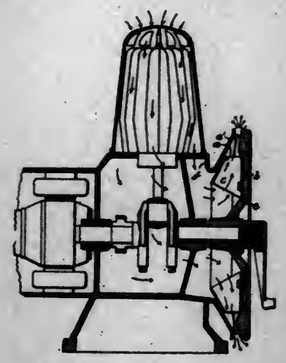
1. A device for demonstrating the functioning of anti-vibration devices for motor vehicles and the like, comprising a base, a spring and a support therefor, the spring and support being so associated that one end of the spring may vibrate freely, and means for supporting an anti-vibration device for connection to said spring whereby the vibration of the spring may be controlled.

1,484,596. TIRE CHAIN. GEORGE H. WATERS, Glenfield, N. Y. Filed Mar. 1, 1923. Serial No. 622,126. 2 Claims. (Cl. 152—14.)



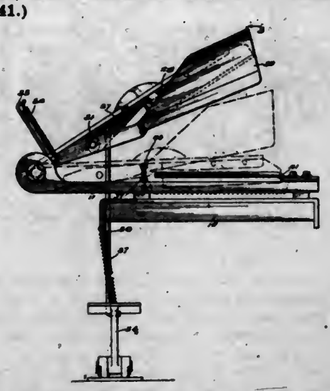
1. A cross chain comprising a plurality of similar units, having each an outwardly extending flange and a tire-engaging base, loops formed upon the units and extending in parallelism with the bases, a cross-cut formed in the base extending into the flange of each unit proportioned to receive the loop of an adjacent unit, a lip formed upon the unit at the margin of the cross-cut adapted to be closed down over the loop contained therein, and means secured to the terminals of said organization for attaching the organization to side chains.

1,484,597. CENTRIFUGAL FAN. JAMES A. WATKINS, Detroit, Mich., assignor to American Blower Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 18, 1920. Serial No. 431,590. 14 Claims. (Cl. 123—171.)



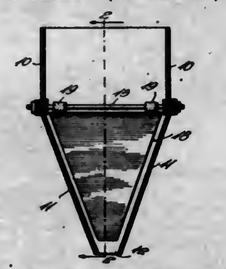
1. The combination with an engine, of a centrifugal fan comprising a fan wheel, and an annular peripheral discharge nozzle therefor, a part of the engine being constructed and arranged to constitute part of said discharge nozzle.

1,484,598. FABRIC CUTTER. FRANK S. WENIGER, Binghamton, N. Y., assignor to Peters Bros. Rubber Co., New York, N. Y., a Corporation of New York. Filed July 22, 1922. Serial No. 576,718. 7 Claims. (Cl. 164—41.)



1. In a fabric cutting machine, a table, a stationary cutting blade supported thereby, a frame pivoted to one end of said table, a cutting blade carried by said frame and cooperating with said stationary blade to cut the fabric when said frame is moved about its pivot in one direction, a guard pivoted to said frame and movable therewith, and means carried by said table and with which said guard is engageable when said frame is moving in said direction for effecting a relative movement between said frame and guard during the cutting operation.

1,484,599. SELF-AGITATING HOPPER. WILLIAM H. WHITAKER, Shelbyville, Ill. Filed July 11, 1923. Serial No. 650,970. 4 Claims. (Cl. 259—38.)



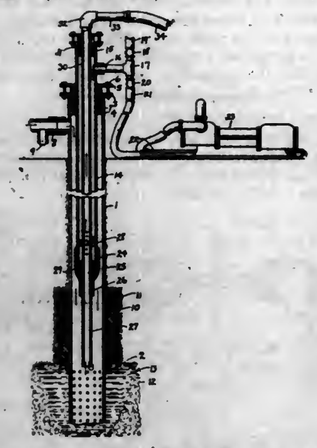
1. In a hopper, a plate arranged therein, means for movably mounting said plate to permit it to provide a loosely mounted perpendicular wall extending entirely across the hopper, whereby said wall divides the hopper into separate passages and is given the additional function of an automatic agitator.

1,484,600. RADIATOR-FIN-FORMING MACHINE. MEINHARD WITTE, Minneapolis, Minn. Filed Apr. 24, 1922. Serial No. 556,284. 14 Claims. (Cl. 153—2.)



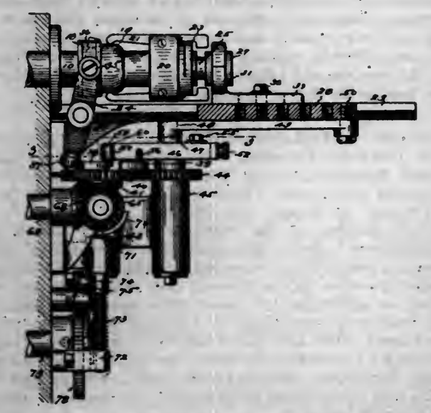
1. In a strip-puncturing mechanism, a group of punches and a co-operating die plate, said punches having beveled ends arranged to puncture the strip by turning laterally therefrom partially severed tube-engaging lips, said die plate having a corrugated strip-engaging surface, and a yieldingly supported corrugated clamping plate having perforations through which said punches work freely.

1,484,601. WELL CLEANER. ROBERT E. CARMICHAEL, Houston, Tex. Filed Nov. 6, 1922. Serial No. 599,274. 9 Claims. (Cl. 166—20.)



1. In a device for cleaning wells, an outer casing perforated at the lower end, a stuffing box at the upper end, an air-conducting pipe slidable through said stuffing box and extending downwardly in said casing, an outlet pipe fitting fluid-tight through the upper end of said air pipe and connected with said air pipe adjacent the lower end of said air pipe, said outlet pipe being perforated above said connection with said air pipe, means to circulate liquid downwardly in said casing, means to force air downwardly in said air pipe whereby the flow of fluid in said outlet pipe is accomplished.

1,484,602. STOCK-FEEDING MECHANISM. CLARENCE M. CHAPMAN, Terryville, Conn., assignor to The Chapman Machine Company, Plymouth, Conn., a Corporation of Connecticut. Filed Aug. 19, 1920. Serial No. 404,628. 25 Claims. (Cl. 29—67.)

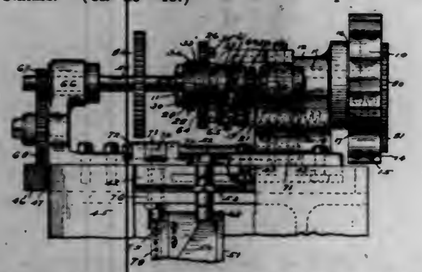


1. A stock feeding mechanism comprising a spindle containing a holding chuck and feed chuck, means for opening and closing the holding chuck, a slide, means adjustably attached to the slide for transmitting the movements of the slide to the feed chuck, a crank, a connection between the crank and slide, mechanism for actuating said holding-

chuck closing-means, and intermeshing gears for intermittently rotating the crank, driven by the mechanism which actuates said chuck-closing means, whereby the actions of the chuck are co-ordinated.

10. A stock feeding mechanism comprising a spindle containing a holding chuck and feed chuck, means for opening and closing the holding chuck, means for reciprocating the feed chuck, and intermeshing driving and driven gears, one of which is connected with said feed chuck reciprocating means and the other has a few teeth omitted and bears cams for actuating said holding chuck means and a pin for rotating the gears into mesh after disengagement.

1,484,603. TURRET MECHANISM. CLARENCE M. CHAPMAN, Terryville, Conn., assignor to The Chapman Machine Company, Plymouth, Conn., a Corporation of Connecticut. Filed Sept. 13, 1920. Serial No. 409,820. 32 Claims. (Cl. 29—43.)



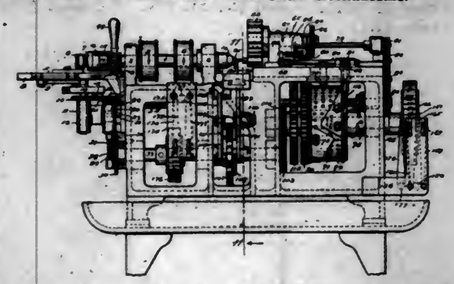
1. A tool holding and feeding mechanism comprising a slide, mechanism for reciprocating the slide, a carriage adjustably secured on the slide, a turret with tool openings and locking sockets rotatably supported by the carriage, means for locking and releasing the turret mounted on and movable with the carriage, means for intermittently rotating the turret mounted on and movable with the carriage, and a connection between said means whereby the action of the locking and releasing means controls the action of the rotating means.

15. A tool holding and feeding mechanism comprising a carriage with a circular thrust surface projecting from its forward end, a turret with radial projections, rotatably supported by the carriage, said projections having tool openings parallel with the axis of the turret and slots in their outer edges with clamp screws passing through the slotted sections of said projections, an annular plate with locking sockets set in the back of the turret and bearing against the circular thrust surface of the carriage, means for intermittently rotating the turret, and means mounted on the carriage and adapted to engage said annular plate for locking the turret between its movements.

1,484,604. AUTOMATIC SCREW MACHINE. CLARENCE M. CHAPMAN, Plymouth, Conn., assignor to The Chapman Machine Company, Plymouth, Conn., a Corporation of Connecticut. Filed Jan. 31, 1921. Serial No. 441,144. 45 Claims. (Cl. 29—43.)

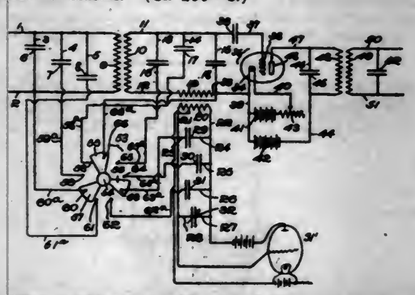
1. A machine of the character described having a reciprocatory turret, mechanism for reciprocating the turret, a reciprocatory cross slide, mechanism for reciprocating the cross slide, a constant high speed drive mechanism, an adjustable low speed drive mechanism, means for alternately connecting the high and low speed drive mechanism with said turret operating mechanism, and means for alternately connecting the high and low speed drive mechanisms with said cross slide operating mechanism, said latter means being operable independently from said former means.

36. A machine of the character described having a turret and cross slide, mechanisms for actuating the turret and cross slide, a high speed drive with means for connecting the high speed drive with the turret and cross slide mechanisms and a low speed drive which includes a differential gearing and change gears for altering the relation of the speed of the drive to the rotation of the spindle, with means for connecting said low speed drive with the turret and cross slide mechanisms.



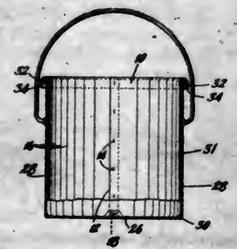
43. A machine of the character described having a turret operating mechanism comprising a shaft and attached gear, cam drums and control disc, cross slides operating mechanism comprising a shaft and attached gear, cam disc and control disc, and a pair of connected gears turning loose on the cam drum shaft, one of said gears being adjacent to the gear on the drum shaft and the other meshing with the gear on the cross slides cam shaft.

1,484,605. RADIODYNAMIC RECEIVING SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Aug. 20, 1917. Serial No. 187,062. Renewed July 7, 1923. 7 Claims. (Cl. 250—8.)



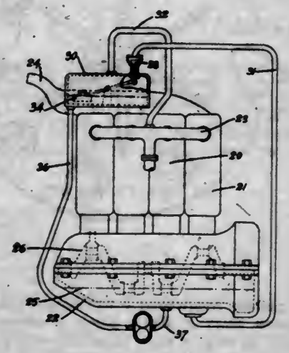
1. The combination with an oscillatory circuit, of means arranged to simultaneously impress upon said circuit two series of periodic impulses having different frequencies respectively to produce periodic electrical beats in said circuit, means to change the tuning of said circuit, and means controlled by said second-mentioned means for varying the frequency of one of said series of impulses and maintaining the frequency of said beats constant.

1,484,606. RECEPTACLE AND LINING THEREFOR. GEORGE B. HANFORD, Bloomfield, N. J. Filed Sept. 27, 1922. Serial No. 590,799. 5 Claims. (Cl. 226—65.)



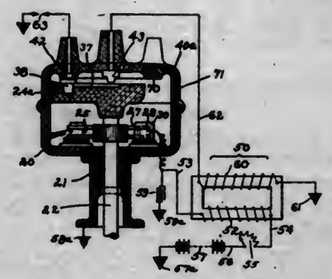
1. A device of the kind described which comprises a receptacle lining having pleated walls of flexible material substantially nonpermeable to water, the pleats extending longitudinally when folded, adapted to closely fit the inner surfaces of the bottom and side walls of receptacles of different dimensions and when expanded converging at one end to a substantially moisture proof closure.

1,484,607. LUBRICATING SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 18, 1918. Serial No. 223,085. 33 Claims. (Cl. 123—196.)



1. The herein described process which includes operating an engine; supplying lubricant to moving parts thereof; and distilling the said lubricant during operation of the engine.

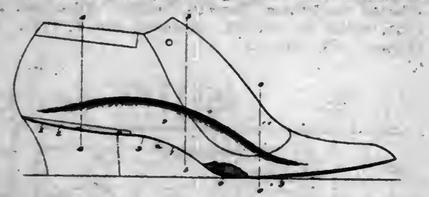
1,484,608. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed July 14, 1919. Serial No. 310,646. 20 Claims. (Cl. 123—148.)



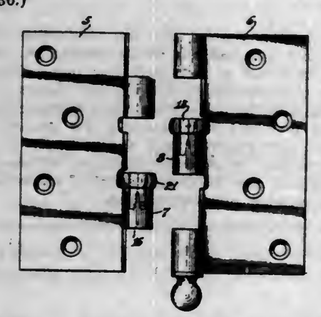
3. In an ignition system, the combination with an engine having a spark plug; of a current source at relatively high voltage; of an ignition timer having cooperating contacts; an ignition coil connected with said current source and timer and arranged to provide sparking at the plug at the instant of make; and means for providing a short-circuit around the plug at the time of break of said timer.

1,484,609. SHOE LAST. JACOB F. JONAS, Bellevue, Ky., assignor to The Krippendorf-Dittmann Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 23, 1921. Serial No. 463,863. 1 Claim. (Cl. 12—133.)

A shoe last having a shank with a base surface substantially plane horizontally and arcuate longitudinally merging in a curved smooth surface with the base surface of the fore part of the last, said shank base surface having an inner side outline of an irregular curved outline corresponding to the outline of the treading surface of the foot when depressed, and an instep part arcuate inwardly in longitudinal and arcuate outwardly in transverse directions and terminating with the irregular inner side outline of said shank surface in a sharp line.

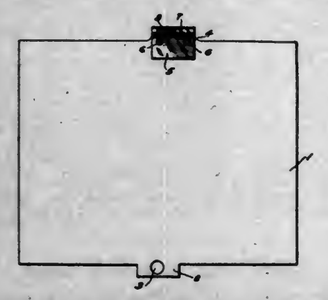


1,484,610. BUTT HINGE. FRANK A. MYERS, Plainville, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Original application filed Dec. 12, 1919, Serial No. 344,276. Patent No. 1,409,461. Divided and this application filed Feb. 17, 1923. Serial No. 619,606. 15 Claims. (Cl. 16—136.)



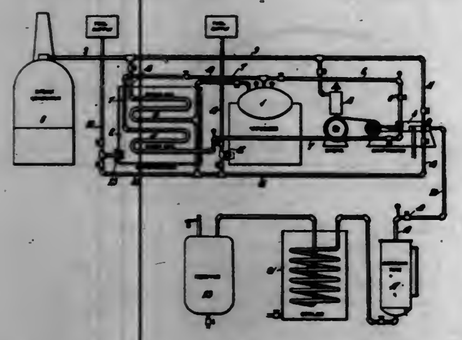
1. A hinge comprising leaves having interfitting knuckles and an anti-friction device consisting of bearing washers with interposed anti-friction members and spring means for detachably securing said device to one leaf.

1,484,611. INDEX TAB. JOHN E. BLAINE, Jr., Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Norwood, Ohio, a Corporation of Ohio. Filed Nov. 21, 1921. Serial No. 516,634. 2 Claims. (Cl. 129—16.8.)



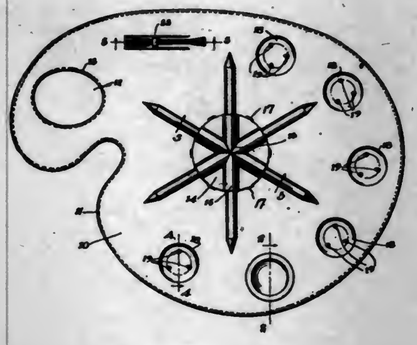
1. An index card having a flexible strip of transparency folded over one margin and secured upon opposite surfaces of the card reinforcing the same, the medial or fold portion of the transparency forming a receptacle open at opposite ends and approximately triangular in cross section to constitute a display panel at a proper angle of vision, an index strip placed within the said receptacle between the panel and the margin of the index card and held in place by them.

1,484,612. PROCESS FOR TREATING HYDROCARBONS. STEPHEN LOUIS GAETLAN, Toronto, Ontario, Canada, assignor of fifty-five one-hundredths to Albert Edward Goodeham, Toronto, Canada. Filed Oct. 28, 1921, Serial No. 511,041. Renewed Jan. 8, 1923. 39 Claims. (Cl. 196—25.)



8. A cracking process for the production of lower boiling liquid hydrocarbons which consists of vaporizing liquid hydrocarbon at relatively low temperatures, continuously transferring all the evolved vapors from the vaporizing zone to a pressure zone separate from the vaporizing zone and maintaining a low pressure in the latter, and then altering these vapors into a lower boiling hydrocarbon by suddenly applying intense pressure on the vapors and suddenly releasing the compression after the pressure has been applied.

1,484,613. TOY PALETTE. JOSEPH CARMEL, New York, N. Y., assignor to Harry Alfred Benkeser, New York, N. Y. Filed May 1, 1923. Serial No. 635,948. 3 Claims. (Cl. 41—5.)



1. A toy palette comprising a flat palette shaped main portion formed from a single piece of sheet material, said material having a pair of substantially U-shaped slits formed therein in alinement, the closed ends of the U's being arranged opposite each other in spaced relation whereby to form a bridge piece between the slit portions, the portions defined by said slits constituting tongues and being bent downward to form rests for the ends of a brush held beneath the bridge piece.

Patents Nos. 1,484,614 to 1,485,355.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Reissues	5—No.	15,775 to No.	15,779, inclusive.
Designs	68—No	64,040 to No.	64,107, inclusive.
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Total	1221		

Interference Notice.

U. S. PATENT OFFICE, *Washington, Feb. 9, 1924.*

Hoffheimer Soap Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Theo. B. Robertson Products Company, 700–4 West Division Street, Chicago, Ill., for registration of a trade-mark and trade-marks registered February 13, 1906, and February 6, 1906, No. 49,655 and No. 49,376, respectively, to Hoffheimer Soap Co., 169 Jackson Boulevard, Chicago, Ill., and a notice of such declaration sent by registered mail to said Hoffheimer Soap Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoffheimer Soap Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Pa.) The Doughty patent, No. 730,887, for a pneumatic-hammer handle, claims 1, 2, and 3 *Held* invalid; the Meissner patent, No. 822,146, for a pneumatic hammer, claims 21, 37, and 38 *Held* not infringed; the Boyer patent, No. 866,573, for a pneumatic hammer, claims 2, 8, 5, and 9 *Held* invalid, and the Boyer patent, No. 917,242, for a pneumatic hammer, claims 21 and 22 *Held* not infringed and claims 24, 25, 26, and 27 *Held* invalid. *Chicago Pneumatic Tool Co.* v. *Keller Pneumatic Tool Co.*, 293 Fed. Rep. 945.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,406,649, W. Jaeger, Snap shade holder for electric sockets, decided January 17, 1924, claims 1 and 2.

Pat. 1,424,065, E. H. Armstrong, Signaling system, decided January 3, 1924, claims 1, 3, 5, 7, 9, and 11.

The Official Gazette.

THE OFFICIAL GAZETTE is published every Tuesday simultaneously with the weekly issue of patents. From January 1, 1872, (the commencement of its publication,) to June 30, 1883, it was published and bound in semi-annual volumes; from July 1, 1883, to December 31, 1902, in quarterly volumes; from January 1, 1903, to December 31, 1908, in bimonthly volumes; since January 1, 1909, in monthly volumes. Terms: Annual subscriptions, $5; monthly, 50 cents. For postage upon foreign subscriptions, except those from Canada and Mexico, $5 or more, as required. Moneys received from foreign subscribers in excess of the subscription price of $5 will be deposited to the credit of the subscriber and applied to postage upon the subscription as incurred. Single copies, 10 cents; if mailed to foreign countries, excepting Canada and Mexico, 10 cents additional for postage. *Payment in advance required. No club rates. No discount to newsdealers. No sample copies.* All subscriptions must commence with the beginning of a volume. None taken for less than an entire volume. All orders should be addressed to "The Superintendent of Documents, Government Printing Office, Washington, D. C."

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No person except the applicant, the assignee whose assignment is of record, or the attorney of record will be permitted to have access to the file of any application, except as provided for under the interference rules, unless written authority from the applicant, assignee, or attorney, identifying the application to be inspected, is filed in the case to become a part of the record thereof, or upon the written order of the Commissioner, which will also become a part of the record of the case.

Condition of Applications Under Examination at Close of Business February 15, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 63,300; Trade-Mark Division, 1,704. Oldest new case, May 10, 1923; oldest amended, May 23, 1923. The dates given are 1923, except where * indicates 1924).

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 23	June 27	1,120
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 26	June 20	1,152
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Sept. 21	Oct. 5	946
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	June 5	June 25	1,205
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	June 8	June 8	1,389
318	6. LEWEES, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	May 24	June 28	1,808
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	July 19	July 19	2,545
138	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Sept. 10	Nov. 1	1,559
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 18	*Jan. 9	711
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops; Dumping, Wheel Substitutes.	July 2	July 7	1,427
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 3	Sept. 17	766
322	12. PIERCE, P. P., Machine Elements	July 25	Aug. 3	1,107
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivets, and Screw Making; Chain, Staple, and Horseshoe Making; Drivers, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	June 16	Aug. 29	1,112
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	June 14	Dec. 19	1,022
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	May 26	June 16	1,984
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	June 13	June 13	2,689
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	June 12	Oct. 4	1,300
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	May 31	May 29	1,973
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Oct. 1	Nov. 10	1,019
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 26	July 10	1,322
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	May 31	Nov. 20	890
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices: Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 26	Sept. 21	420
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	May 17	June 2	572
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 5	July 17	1,022
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Oct. 18	Nov. 5	774
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	June 20	June 26	961
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 7	July 13	1,244
225	28. BENSON, A. R., Internal-Combustion Engines	June 22	July 18	1,281
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	June 14	June 30	1,196
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	July 2	Nov. 19	1,068
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	July 21	July 23	1,363
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	June 5	June 9	1,226
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Rocks; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	July 23	July 18	1,316
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 6	Aug. 25	829
82	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 5	Oct. 5	880
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug 7	Aug. 6	1,788
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	June 19	June 27	1,713
378	38. IDE, O. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	June 6	June 7	1,551
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 18	May 23	1,008
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	May 28	Nov. 13	1,874
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 16	July 14	948
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 19	June 8	1,755
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	June 23	July 6	1,688
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	June 8	Oct. 15	1,036
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Aug. 27	Aug. 1	1,408
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Sept. 5	Sept. 17	1,089
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	July 16	Oct. 13	982
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	June 2	June 2	2,388
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Aug. 16	Aug. 21	473
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 14	*Jan. 21	457
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Jan. 15	*Jan. 28	1,610
	{Labels and Prints	*Feb. 7	*Feb. 8	94

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE HILL.

Decided February 8, 1924.

CLAIMS—FORM OF—DEPENDENT CLAIMS.

A dependent claim should depend from and cover the combination of only a single other claim. (*Ex parte Brown*, 235 O. G. 1355, modified.)

ON PETITION.

ROLLER BEARING.

Mr. Myron F. Hill pro se.

ROBERTSON, *Commissioner:*

Petition is taken that the Examiner be instructed to withdraw his objection to the form of the claims presented and to pass upon their merits.

The Examiner has made final his objection to a series of claims which are drawn in form as dependent claims, each covering a combination set forth in another claim plus a certain limitation, said other claim in turn covering a combination of a third claim plus a limitation. Many of these claims held objectionable by the Examiner cover in this way the subject matter of several claims. The Examiner points out as an example claim 24, which refers back to claim 23, 23 to 22, 22 to 21, 21 to 17, 17 to 9, 9 to 8, and 8 to 1.

It is urged in an argument in the record that this form of drawing claims avoids repetition, saves time, study, clerical work, printing, cost, etc.

The practice of permitting claims drawn in dependent form was approved to an extent in *ex parte Brown*, 235 O. G. 1355. In this case three claims were considered, claim 1 covering a certain combination of elements which were recited in usual form. Claim 2 covered "a structure as specified in claim 1 in combination" with an additional element. Claim 3 covered "a structure as specified in claim 2" in which limitations of the included structure were set forth. These claims were held to "particularly point out and distinctly claim" the invention, so as to meet the requirement of section 4888 of the Revised Statutes.

In the decision *ex parte Holst and Leers*, 253 O. G. 953, claims were held objectionable for alternativeness. For example, where claims 1 and 2 were for combinations in the usual form and claim 3 was for "the combinations above set forth, each having the parts," etc., this language was held to import into claim 3 an alternative meaning, depending on whether the additional element is to be combined with the features of claim 1 or claim 2. The Commissioner in that decision stated he was unwilling to extend the practice outlined in *ex parte Brown*, supra, beyond what was indicated therein—namely, that a subsequent claim can only refer back to a single combination for additional matter.

The petition in this case was denied, however, on the ground that the claims considered therein were alternative.

While it is true one claim may differentiate from another by including the combination in the second merely by naming it and then including an additional element or limitation, the practice of hinging several claims together this way does not tend to clearness of disclosure enjoined by the statute. Especially where the connected claims do not follow each other in sequence, as in the instant case, confusion is more than likely to follow. The essential substance of a claim dependent upon more than one other would often make it difficult to discern and carry in the mind. This objection would be very apparent and real in searching to determine its patentability, to say nothing of investigating and adjudicating its validity.

Another serious objection to this practice is the confusion which seemingly must inevitably result in the record of the prosecution of an application containing such dependent claims. If a claim from which another depended was canceled, the dependent claim must be amended to relieve it of any connection with the canceled claim. The work of amending would therefore be increased; the entry of such amendment would open another door for mistakes, and opportunity for errors in the record would seemingly be multiplied.

There seems abundant reason for drawing a line where the approval of dependent claims must stop. On due consideration it is considered proper and accordingly held that a dependent claim should depend from and cover the combination of only a single other claim.

To the above extent the decision in *ex parte Brown*, supra, is modified.

The petition is denied.

Court of Appeals of the District of Columbia.

IN RE PARKER.

No. 1,566. Decided May 7, 1923.

1. APPEAL TO COURT—PROPOSED AMENDMENT TO CLAIMS AFTER DECISION BY THE COMMISSIONER.

Where an applicant moves to amend his claims so as to give a new definition to certain terms thereof after the Commissioner has decided the case against him and the motion is overruled, the claims as altered by the proposed amendment will not be considered by the court.

2. CLAIMS SHOULD BE PRESENTED WHILE APPLICATION IS BEFORE EXAMINER.

As a general rule an applicant should present his claims while his application is pending before the Examiner, so that the appellate tribunals of the Patent Office may have the benefit of the views of the Examiner, who is an expert in the particular art involved.

3. INVENTION—PRACTICE OF OLD METHOD IN ANALOGOUS SITUATION.

The fact that soft-iron pole pieces had been welded to electromagnets, thus producing as close a joint as possible and eliminating air gaps, would suggest to one skilled in the art that an identical result might be obtained by resorting to the same process in dealing with permanent magnets, and therefore the discovery of the latter was not patentable, notwithstanding an alleged additional advantage in the case of the permanent magnet.

4. INVENTION—APPLICATION OF PROCESS TO SPECIAL USE BY P. IN ADVANCE OF OTHERS NOT NECESSARILY INVENTION.

Where the record does not show that there was a problem to be solved upon which many worked without avail before the successful one appeared, the mere fact that P. was the first to apply the welding process to permanent magnets does not sustain the correctness of his position that such application of the process involved invention.

Mr. Frederick R. Parker pro se.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.*:

The Commissioner of Patents rejected as unpatentable claims 8 to 21, inclusive, embodied in an application of Parker's for a patent on an assumed invention relating to a magnetic field structure, in which soft pole pieces are attached to permanent magnets by welding. Counts 8 and 10 are typical of all. They read:

8. A magnetic field structure constructed of a plurality of permanent magnets held apart from each other throughout their extent, and soft-iron pole-pieces for the respective magnets welded to the ends thereof and held in separated relation.

10. A permanent magnet having pole-pieces of impermanent magnetizable material welded to the ends thereof.

[1, 2] After the Commissioner had decided the case against Parker he moved for leave to amend the claims so as to give a new definition to certain terms thereof. The motion was overruled, and he now asks us to consider the claims as amended, in accordance with the motion. If the new definition changes the meaning of the claims it should not be allowed, because if it were we would then have for consideration a different case from that submitted to the Patent Office, and this is not permissible on appeal. If, on the other hand, it does not change the meaning, Parker has suffered nothing by the denial of his motion. It is true, as said in *Rajah Auto Supply Co.* v. *Belvidere Screw & Machine Co.*, 275 Fed. 761; 294 O. G. 993, that a patentee may define his own terms provided he does it at the right time—not after the case has been disposed of by the Patent Office. We think with the Commissioner that, as a general rule, an applicant should present his claims while his application is pending before the Examiner so that the appellate tribunals of the Patent Office may have the benefit of the views of the Examiner who is an expert in the particular art involved. The practice of waiting until an applicant has been defeated before the Commissioner and then moving for leave to amend the claims is not to be approved.

Parker's application was in interference with Craft and Reynolds in August, 1917. The latter moved to dissolve the interference on the ground that the subject matter was unpatentable to Parker. The motion was sustained. This action was upheld by the Examiners in Chief on appeal, and their decision was affirmed by the Commissioner. An appeal to this court from the Commissioner was dismissed on the ground that his decision was not final, and therefore that we had no right to review it. Parker's application then went back to the Primary Examiner, who rejected the appealed claims. His action was affirmed by the Examiners in Chief, who on appeal were sustained by the Commissioner. It is true that both the Primary Examiner and the Examiners in Chief felt bound by the decision of the Commissioner in the interference proceeding. That decision, however, was in accord with their views so far as the unpatentability of the claims was concerned. With the judgment of six tribunals against him, Parker's position is not an easy one to maintain.

As we have just stated, the invention involved relates to the welding of soft-iron pole pieces to an electromagnet. The purpose is to do away with the air spaces that exist where the connection is made by some other means. Welding is old in the art. It was also known that where welding was done air spaces did not exist, and that the existence of air spaces caused loss in the electric current.

The references upon which the rejection was predicated are, a patent to Bunnell April 13, 1880; to Stevens April 4, 1903, and to Heinze February 16, 1909, and Bulletin No. 1098 of the General Electric Co. of Fort Wayne.

In the Heinze patent is disclosed a plurality of U-shaped permanent steel magnets, having secured thereto on the inner side of their ends iron pole pieces. The specifications, however, do not state how those pieces are attached to the magnets. The Bunnell patent shows a permanent magnet of hardened steel, and pole pieces, preferably of soft iron, firmly secured to the respective poles of the permanent magnet, which virtually form continuations thereof. In this patent, as in the one to Heinze, the specifications do not state how the pole pieces are secured, but a man skilled in the iron-working art would, in our opinion, after having read what we have just said, attach the parts by welding. The Stevens patent connects the parts by screws, and in the General Electric Bulletin we find this:

The reluctance of the magnetic circuit is made the lowest possible by cast welding the pole-pieces to the field frame. By this construction the only air gap in the magnetic circuit is the one between the pole-pieces and the armature.

[3] From these disclosures we think it may be said that, beyond the welding of the one to the other, there is no novelty in the permanent magnetic structure or the pole pieces. Is that novelty a patentable one? Parker says that there is no instance where soft-iron pole pieces were welded to permanent magnets, although pole pieces of soft iron have been welded to electromagnets of soft iron. But air gaps are a disadvantage in the case of electromagnets as well as in that of permanent magnets, and if welding would remove them in the one instance, it should in the other. This seems reasonable. Applicant points to a distinction between a magnetic generator and a permanent magnetic structure, saying that where the last-named structure stands idle for a time the welding is of much advantage, whereas it is not, under like circumstances, with respect to the other kind of magnet. This may be conceded, but it does not establish that the fact that the pole pieces were welded to electromagnets, thus producing as close a joint as possible, would not suggest to one skilled in the art that an identical result might be obtained by resorting to the same process in dealing with permanent magnets. On the contrary, we think it would have the effect of inspiring such a suggestion, and therefore that Parker's discovery is not a patentable one.

[4] The mere fact that he was the first to apply the welding process to permanent magnets does not prove the correctness of his position. In cases where a problem was to be solved and many worked upon it without avail before the successful one appeared, the one who solved the difficulty is in a strong position to claim recognition as an inventor. *In re Rowell*, 48 App. D. C. 238; 259 O. G. 778. But the record does not show that Parker's case is one of those.

We have considered a letter from the chief engineer of the Fort Wayne Electric Works, which we find in Parker's brief, but see nothing in it that conflicts with what we have just said.

For the reasons given we think the Commissioner was right, and affirm his decision.

Affirmed.

Court of Appeals of the District of Columbia.

HORLICK'S MALTED MILK CO. *v.* THE BORDEN CO.

No. 1,581. Decided January 7, 1924.

1. TRADE-MARKS—CANCELLATION—DESCRIPTIVE WORDS—"MALTED MILK"—COMPOSITE MARKS.

The fact that a mark contains descriptive words is not enough to warrant a refusal to register it if it does not consist of descriptive words only. It may be a composite mark.

2. SAME—SAME—SAME—SAME—SAME.

Where all the words used are descriptive and the registrant in the statement filed by it in the Patent Office says that, while the words and other parts comprising the mark are generally arranged as shown in the accompanying facsimile, certain words may be omitted and the various accessories of printing may be varied at pleasure, *Held* that the mark is not necessarily a composite one.

3. SAME—SAME—SAME—SAME—INITIALS OR DESCRIPTIVE WORDS.

Where the registrant admits that all the words used are descriptive, but claims that the mark is saved by the use of the letters "M M.," *Held* that the letters stand for "Malted Milk" and are therefore descriptive.

4. SAME—SAME—SAME—SAME—SAME.

Even if initials were required to be regarded as ordinary signs they would not be sufficient to save the mark, since a party could then make up his mark of descriptive words with the exception of some negligible sign or character, and thus evade the law.

Decision of Assistant Commissioner Fenning.

5. SAME—SAME—INJURY WHICH SUPPORTS PETITION FOR CANCELLATION.

Use of the essential features of registrant's trade-mark by petitioner for cancellation, with consequent injury, is sufficient to support the petition for cancellation.

6. SAME—SAME—SAME.

The law does not require an overt act in order to warrant cancellation. "Injury will be presumed to follow registration of any descriptive word."

7. SAME—DISCLAIMERS AFTER REGISTRATION—NOT STATUTORY.

The trade-mark statute has not provided for disclaimers after registration.

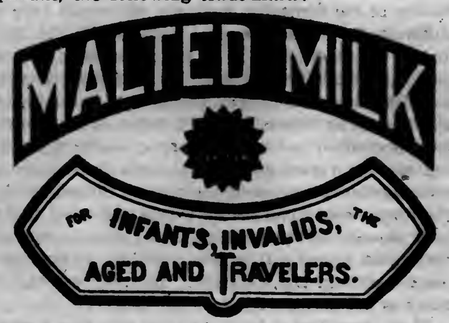
Mr. E. S. Rogers for Horlick's Malted Milk Co.

Mr. W. D. Edmonds for The Borden Co.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

The Commissioner of Patents in 1887 registered for Horlick's Food Company, predecessor of the appellant, the following trade-mark:



It is said in the statement filed by the company that the mark consists of a representation of the letters "M. M." and the words "Malted Milk"; that these have generally been arranged as shown in the accompanying facsimile, in which the letters "M. M." are represented in the color of the paper on a blue background having the form of a seal; that above the letters "M. M.", and arranged in a curved form, are the words "Malted Milk" in plain capital letters on a blue background, and below are the words "For Infants, Invalids, the Aged and Travelers," in plain type, inclosed by a double border; but that these words may be omitted and the various accessories of printing may be varied at pleasure without materially changing the character of the trade-mark, the essential features of which are the words "Malted Milk" and the letters "M. M." Upon the expiration of the registration the appellant renewed it. Application for cancellation of the mark was made by The Borden Company on the ground that the words "Malted Milk" were descriptive, that because of this the appellant had no right to their exclusive use, that it, the Borden Company, was using the same words on malted milk put out by it, and that it would be damaged unless the mark was cancelled. The Horlick Company disclaimed the exclusive right to the words "Malted

Milk." No testimony was taken. The Examiner of Interferences dismissed the application for cancellation, but was reversed by the Assistant Commissioner, who said that the mark was composed of descriptive words, and that the disclaimer, having been filed after registration, was ineffective.

[1, 2] The decision of the Supreme Court in *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 274 O. G. 613; throws light upon the question before us. According to it the fact that a mark contains descriptive words is not enough to warrant a refusal to register it. Unless it consists only of such words, it may not be refused a place on the registry of the Patent Office. (P. 544.) In that case the mark contained words which were, and words which were not, descriptive, arranged in a circle and surrounded by a wreath of oak leaves. The Court said it was a composite mark, and, since it did not consist of descriptive words merely, it was registrable. If the registrant in the case before us committed itself to the outline of the mark and the arrangement of the words therein, as shown in the foregoing specimen, we would have a different proposition to deal with, but it did not. In the statement filed by it in the Patent Office it said that, while the words and other parts comprising the mark are generally arranged as shown in the accompanying facsimile and so forth, certain words may be omitted and the various accessories of printing may be varied at pleasure without materially altering the character of the mark. Consequently, the owner may arrange the words and other parts as it pleases, and print them in any size or color it may think proper. It is not bound by the arrangement shown in the specimen. In other words, its mark is not necessarily a composite one.

[3, 4] Appellant admits that all the words used are descriptive, but claims that the mark is saved by use of the letters "M.M." We do not think so. Clearly, the letters "M.M." stand for "Malted Milk", and therefore are descriptive of the product to which they are attached. But even if we were not permitted to so interpret them, but were required to regard them as arbitrary signs, still we would hold that they were not sufficient to save the mark from condemnation. If they were, then a party could make up his mark of descriptive words, with the exception of some negligible sign or character which would not be descriptive, and thus evade the law. This is not permissible. *Nairn Linoleum Co.* v. *Ringwalt Linoleum Works*, 46 App. D. C. 64; 237 O. G. 919; and *E. McIlhenny's Son* v. *B. F. Trappey & Sons*, 51 App. D. C. 273; 278 Fed. 582, 299 O. G. 461. The nondescriptive part must be a substantial thing, else it will not save the mark.

For these reasons the decision of the Patent Office cancelling appellant's mark is sustained.

Affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case August 4, 1922, is as follows:

This is an appeal from the action of the Examiner of Interferences dismissing a petition brought by the Borden Company for the cancellation of Trade-Mark No. 14,856, owned by Horlick's Food Co. The mark was originally registered October 25, 1887, under the act of 1881, and on its expiration in 1917 was renewed under section 12 of the act of 1905.

The certificate of registration shows a portion of the Horlick Co.'s label and is accompanied by a verified statement to the effect that the trade-mark consists of a representation of the letters "M. M." and the words "Malted Milk." It continues:

> The various accessories of printing may be varied at pleasure without materially altering the character of said trade-mark, the essential features of which are "Malted Milk" and the letters "M. M."

The words "Malted Milk" are descriptive of a material covered by an expired patent and in themselves are not capable of exclusive trade-mark use. *Ex parte Horlick's Food Company*, C. D. 1898 626; 84 O. G. 1870.

[5] The Borden Company pleads use of the words "Malted Milk" on their labels, and consequent injury under section 13 of the act of 1905. This is sufficient to support the petition for cancellation under *Macy* v. *Macey*, 1922 C. D. 2; 295 O. G. 463; and *McIlhenny's Son* v. *Trappey & Sons*, 1922 C. D. 98; 299 O. G. 461; 51 App. D. C. 273.

[6] The Examiner of Interferences seems to have felt that there must be some overt act by the owner of the registration in order to warrant cancellation; but that does not seem to be the law.

> Injury will be presumed to follow the improper registration of any descriptive word. *Blisheweitz* v. *Leyser, Green Co.*, 247 O. G. 479; C. D. 1918 139; 47 App. D. C. 193.

It seems to require no argument to indicate that *McIlhenny* v. *Trappey*, supra, controls the present case and that the certificate of registration must be canceled, unless the condition is materially changed by a disclaimer now offered.

The claim of "Malted Milk" as essential to its trade-mark was apparently insisted on by the Horlick's Food Co. from 1887, when the present certificate was first issued, to the period when the certificate was renewed and until after the present cancellation proceedings were instituted.

Neither party has taken any testimony; but after final hearing the Horlick's Food Company filed a so-called disclaimer reading:

> With respect to the trade-mark illustrated in the accompanying certificate, No. 14,856, October 25, 1887, renewed May 15, 1917, the exclusive right to the words "Malted Milk" is disclaimed.
>
> The renewed certificate of registration is tendered herewith for appropriate indorsement.

[7] Admittedly there is no warrant in law, nor is there any precedent in practice, for entering such a disclaimer. The attorney for the Horlick Co. vigorously urges the desirability of such procedure, and argues that the Office would be justified in establishing it, since the Supreme Court has apparently approved a disclaimer prior to registration, not specifically provided for by statute, in *Beckwith* v. *Commissioner*, 252 U. S. 538; 274 O. G. 613. The procedure contemplated by the registrant here apparently provides that after a mark has once been registered the Commissioner must lie supine and accept and enter any paper which registrant files under the name of a disclaimer, and this without fee. This is quite distinct from the procedure approved in the Beckwith case, since any activity prior to registration is under the supervision of the Office and may be approved or objected to by the Commissioner. Moreover, the trade-mark statute has not provided for disclaimers after registration. Such disclaimers have been provided for by statute with respect to patents, and the omission of such provision in the trade-mark statutes may have been intentional on the part of the legislature. In any event, the legislature has provided for cancellation procedures, and for many years the Office has availed itself of this section of the statute to remove from registration an improper mark at the request of the registrant, so that he might subsequently obtain a proper registration of his proper mark. The registrant here objects to the procedure, since he suggests that it is circuitous and deprives registrant of its record date. I am not satisfied, however, that this objection is sufficient to outweigh the obvious advantages of the procedure, which seems to have been provided intentionally by Congress.

Much has been said in the brief for appellant with respect to applications for registration of the trade-marks of Horlick in foreign countries; but in the view I take of the case it is unnecessary to consider that phase here, even assuming that this Office should ever take into consideration activities without the United States with respect to a mark properly registered here.

The Examiner of Interferences endeavored to weigh the equities between the parties and decided that the mark should not be canceled because its cancellation would be worse for Horlick than its retention would be for Borden; but this is aside from the issue.

The Examiner of Interferences is reversed and the mark will be canceled.

Court of Appeals of the District of Columbia.

SWAIN *v.* BOOTH.

No. 1,597. Decided January 7, 1924.

INTERFERENCE—CERTIORARI TO BRING UP PARTS OF RECORD FROM BELOW—COSTS.

Where the count of the interference was taken from an application which did not appear in the record and a writ of certiorari was issued at the instance of B. to bring up it and other parts from the record below, the specification and claims of the application being necessary to enable the court to properly interpret the count of the issue, but more than was needed was called for by the writ and returned, each party was taxed with one-half of the costs on the writ.

Mr. C. L. Sturtevant, *Mr. E. G. Mason*, and *Mr. A. L. Ely* for Swain.

Messrs. Milans & Milans for Booth.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

Swain appeals from a decision of the Commissioner of Patents awarding priority to Booth in an interference proceeding relative to an invention which concerns an improved vehicle wheel. The invention is described in one count, which reads as follows:

> The new article of manufacture comprising a semi-wood wheel for motor vehicles and composed of a body of wooden spokes radiating from a common center and each having an integral shaped outer end, in combination with a wrought metal endless fixed rim which presents a demountable-rim-supporting raised back flange, said fixed rim having at points below said back flange as many pressed out, closed, concave sockets as there are spoke ends, said sockets fitting the shaped ends of respective wooden spokes and sealing the end grain thereof, and said rim being circumferentially tensioned upon and holding under compression, the body of spokes, as a whole.

In harmony with the Commissioner's decision is that of the Examiners in Chief and of the Examiner of Interferences, and consequently Swain has a heavy burden to overcome if he would succeed in his appeal. *Nicoll* v. *Hoey*, 48 App. D. C. 245; 259 O. G. 185, and cases cited.

The issue count was taken from the application of one Baker, who for a time was a party to the interference, and must be read in the light of his specification. *Funk* v. *Whitely*, 25 App. D. C. 313; 117 O. G. 280; *Bourn* v. *Hill*, 27 App. D. C. 291, 294; 123 O. G. 1284; *Sobey* v. *Holsclaw*, 28 App. D. C. 65; 126 O. G. 3041; and *White* v. *Cottrell*, 270 Fed. 877; 286 O. G. 645.

For conception and disclosure Booth relies on a drawing marked Exhibit 1, which was made March 24, 1917. It is claimed by Swain that this drawing does not disclose the invention. The drawing shows that the bottom section of the felly has pressed outward therefrom shallow recesses or sockets for the reception of the spoke ends. These recesses are in a broad sense concave or hollow, in that the metal is pressed out of its original plane. While the bottom of the socket is a plane, the side or edge wall surrounding it is curved, due to the method of forming it. The count merely calls for "closed, concave sockets". The degree of concavity is not defined in the Baker application, which shows the bottom of the socket varying very slightly from a plane, the edge wall curvature being the same as in Booth's exhibit.

It is said in behalf of Swain that the exhibit does not show the structure of sockets called for, and dictionary definitions of the word "concave" are resorted to for the purpose of supporting this assumption. One of the definitions given by the Standard Dictionary for the word "concave" is "hollow", and Century Dictionary defines it as "presenting a hollow or incurvature". The depression shown by Booth in the exhibit we are discussing is a hollow, and this satisfies the definitions of the dictionaries. Perhaps the word would admit of a narrower construction which would be in accord with Swain's contention, but we are not permitted to adopt it. On the contrary, a broad interpretation of the claim in issue is what the law requires. *Speed* v. *Kirby*, 270 Fed. 699, 700; 286 O. G. 415; and *Brenzinger* v. *Thornburgh*, 52 App. D. C. 298; 286 Fed. 637; 313 O. G. 664. Booth is sufficiently corroborated as to the preparation of the exhibit and the date. His exhibit, we believe, discloses the invention. Therefore he is entitled

to March 24, 1917, for conception and disclosure. He filed his application on April 30, 1917, and thus obtained a constructive reduction to practice. There is no claim that he was lacking in diligence. Swain did not conceive until April 17, 1917, and consequently must be held to have entered the field after Booth.

There is much in the record in support of Swain's claim that he was not negligent in failing to reduce to practice before June, 1919, but, in view of what we have just said with respect to the dates to which Booth is entitled, it is not necessary for us to consider this.

As we have said, the count of the interference was taken from the application of one Baker. This application did not appear in the record here, and a writ of certiorari was issued at the instance of Booth to bring up it and other parts from the record below. The specification and claims of the Baker application were necessary to enable the court to properly interpret the count of the issue, but more than was needed was called for by the writ and returned. In view of this we think that each party should be taxed with one-half of the costs on the writ, and it is so ordered.

Believing that the Commissioner was right in awarding priority to Booth, we affirm his decision.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,072,791, Thompson & Thompson, Automobile, suit filed Dec. 3, 1923, D. C., N. D. Ohio (W. Div.), Doc. 344, *The Temco Electric Motor Co.* v. *Apco Mfg. Co.* Patent held valid and infringed. Injunction granted Dec. 3, 1923.

1,207,533, H. C. Gamble, Collapsible traveling bag, suit filed Dec. 22, 1923, D. C., S. D. N. Y., Doc. E 28/202, *H. C. Gamble* v. *L. S. Harris et al.*

1,229,102, B. E. Lloyd, Talking doll, final decree sustaining patent, adjudging infringement and granting perpetual injunction Dec. 21, 1923, D. C., S. D. N. Y., *B. E. Lloyd et al* v. *Steinfeld & Steinfeld (Steinberg Bros.) et al.*

1,236,138, W. A. Bernard, Hand tool, suit filed Dec. 20, 1923, D. C. Conn., Doc. 1693, *The Wm. Schollhorn Co.* v. *American Hardware Stores, Inc.*

1,270,519, J. C. Henderson, Boxes for treating metallic articles by heat, suit filed Dec. 17, 1923, D. C., S. D. N. Y., Doc. E 28/186, *Driver-Harris Co.* v. *Hardite Metals, Inc.*

1,327,865, S. Flaxbaum, Pocket mirror, suit filed Apr. 8, 1922, D. C., S. D. N. Y., Doc. E 23/278, *S. Flaxbaum* v. *L. Gewelfe (L. Gewelbe & Co.).* Final decree sustaining patent, adjudging infringement, and granting injunction Dec. 27, 1923.

1,342,058, W. Miller, Door handle for automobiles, suit filed Dec. 28, 1923, D. C. Conn., Doc. 1695, *Amesbury Brass & Foundry Co.* v. *C. Cowles & Co., Inc.*

1,346,638, O. E. Cloud, Ventilators, suit filed Nov. 12, 1923, D. C. Kans. (2d Div.), Doc. E 318-N, *O. E. Cloud* v. *The American Cornice Works Co. et al.*

1,392,539, C. M. Tipograph, Sweatbands, suit filed Oct. 27, 1921, D. C., S. D. N. Y., Doc. E 22/231, *C. M. Tipograph* v. *C. Siegel et al. (Ideal Hat & Cap Leather Co.).* Interlocutory decree sustaining patent, adjudging infringement, and granting injunction Dec. 21, 1923.

1,407,151, G. E. Halcumb, Bandage cutters, suit filed Dec. 6, 1923, D. C., N. D. Calif., Doc. 1195, *R. L. Halcumb* v. *Travers Surgical Co. et al.*

1,419,137, J. A. Hewes, Men's neckwear, suit filed Aug. 29, 1923, D. C. Mass., Doc. E 1846, *J. A. Hewes et al.* v. *Enterprise Haberdashers, Inc.* Final consent decree for plaintiff for injunction Dec. 5, 1923.

1,424,087, E. H. Rudolph, Tank-car-loading device, suit filed Dec. 8, 1923, D. C., W. D. Okla., Doc. 625, *E. H. Rudolph* v. *Mariand Refining Co.*

1,438,440, H. F. Jackson, Advertising devices, suit filed Dec. 10, 1923, D. C., S. D. N. Y., Doc. E 28/156, *L. R. Conwell* v. *W. F. Powers Co.*

1,447,703, F. G. Whittington, Automobile bumper, suit filed Dec. 19, 1923, D. C., W. D. Ky., Doc. 245, *Stewart-Warner Speedometer Corp.* v. *Acme Mfg. Co.*

T. M. 22,406, The Coca Cola Co., Nutrient or tonic beverage, final decree perpetually enjoining defendant from using in advertising, or offering for sale, any beverages or ingredient thereof the word "Coke", or any like word, and from any further acts of unfair competition, Dec. 20, 1920, D. C., W. D. Okla., *The Coca Cola Co.* v. *Consumers Bottling Co.*

T. M. 44,779, The Nucoa Butter Co., Vegetable butter, suit filed Oct. 29, 1923, D. C. Nev., Doc. C-9, *The Best Foods, Inc.*, v. *Wilson & Co., Inc.*

T. M. 154,726, Van Raalte Co., Inc., Gloves, hosiery and underwear, suit filed Dec. 17, 1923, D. C., N. D. Ga., Doc. E 269, *Van Raalte Co., Inc.*, v. *V. A. Ritch (The Van Right Hosiery Mills).*

Re. 14,458, B. C. Ames, Unbreakable concavo-convex compression crystal, suit filed Dec. 3, 1921, D. C., W. D. N. Y., Doc. 367-B, *The Ingraham Co.* v. *Germanow & Simon (Germanow-Simon Machine Works) et al.* Final decree holding patent valid and infringed, injunction to stand without change, Nov. 13, 1923.

Re. 14,906, J. A. Bogart, Expansion joint, suit filed Aug. 17, 1920, D. C., W. D. N. Y., Doc. 302-B, *Alberger Gas Engine Co.* v. *Ross Heater & Mfg. Co., Inc.* Mandate of affirmance filed July 3, 1923, sustaining patent and holding infringement.

Re. 15,708, C. Laidman, Table mat, suit filed Dec. 15, 1923, D. C., N. D. Ohio (E. Div.), Doc. 1018, *The Empire Asbestos Table Mat Co.* v. *The Pioneer Table Mat Co. et al.*

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 26, 1924.

[VOL. 319. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 128,630. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Feb. 19, 1920.



Particular description of goods.—Woolen Piece Goods.
Claims use since June 1, 1906.

Ser. No. 146,508. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM HOLLINS & COMPANY, LIMITED, London and Mansfield, England. Filed Apr. 21, 1921.



No claim is made to the word "Wear" apart from the mark shown in the drawing.
Particular description of goods.—Fabrics in the Piece Made of Wool and Mixtures of the Same.
Claims use since Nov. 18, 1896.

Ser. No. 153,595. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) FOLLMER CLOGG & CO., New York, N. Y. Filed Oct. 1, 1921.



Particular description of goods.—Umbrellas and Parasols.
Claims use since Sept. 23, 1921.

Ser. No. 164,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAPIN-SACKS CORPORATION, Washington, D. C. Filed June 3, 1922.



No claim is made herein to the words "Frost Bite."
Particular description of goods.—Chocolate-Coated Ice-Cream Bars.
Claims use since January, 1922.

Ser. No. 165,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLOROME CHEMICAL CORPORATION, New York, N. Y. Filed June 5, 1922.



No claim is made to the words "Always Alike" and "Semper Recte, Standard Quality" apart from the mark shown on the drawing.

Particular description of goods.—Raw Materials for the Perfumery, Soap, and Toilet-Water Manufacturers—Namely, Aromatic Natural and Synthetic Chemical Oils, Natural and Synthetic Flower Oils.

Claims use since May 17, 1922.

Ser. No. 166,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. HILL COMPANY, Nashville, Tenn. Filed July 10, 1922.

FIT FOR A KING

Particular description of goods.—Coffee and Tea.

Claims use since 1898.

Ser. No. 166,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. G. HILL COMPANY, Nashville, Tenn. Filed July 10, 1922.

GRANDMA'S WONDER

Particular description of goods.—Wheat Flour, Tea, Coffee, and Corn Meal.

Claims use since 1900.

Ser. No. 169,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT C. ADDISCOTT, New York, N. Y., assignor to Chevraline Manufacturing Co., Inc., New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1922.

Chevraline

Particular description of goods.—Hair Cream.

Claims use since Mar. 28, 1922.

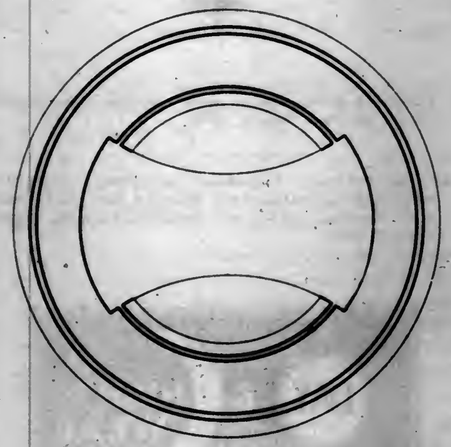
Ser. No. 169,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA SIERRA HEIGHTS CANNING CO. INC., Arlington Station, Calif. Filed Sept. 18, 1922.

MOUNTAIN BEAUTY

Particular description of goods.—Canned Vegetables and Canned Fruits.

Claims use since Aug. 11, 1922.

Ser. No. 169,669. (CLASS 2. RECEPTACLES.) DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass. Filed Sept. 19, 1922.



Particular description of goods.—Milk and Dairy Pails, Tin Pails, Covered Buckets, Milk Cans, Oilers, Ash Barrels, Coal Hods, Garbage Cans, Sink Pails, Water Sprinklers, Waste Cans, Oil Cans, Water and Fire Pails, Chamber Pails, Cake and Bread Boxes, Sugar Boxes, Coin Trays, Cake and Pastry Closets, Tea and Coffee Cans, Cash Boxes, Lunch Boxes, Radiator Fillers, Electric-Light-Bulb Boxes, Garage Fillers, Tire Tanks, and Emergency Gasoline Oil Tanks and Kits.

Claims use since Mar. 15, 1920.

Ser. No. 169,926. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JAMES T. PETERS, doing business as K. K. Manufacturing Co., Los Angeles, Calif. Filed Sept. 25, 1922.



The representation of the automobile wheel with two traction shoes thereon is disclaimed apart from the mark shown.

Particular description of goods.—Nonskid Attachments and Traction Shoes Used on the Wheels of Vehicles.

Claims use since June 1, 1922.

Ser. No. 170,250. (CLASS 39. CLOTHING.) ARTHUR A. KATTEN COMPANY INC., New Orleans, La. Filed Oct. 3, 1922.

OIL KING

Particular description of goods.—Work Pants.

Claims use since May 1, 1922.

Ser. No. 171,355. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Oct. 30, 1922.

VEL--TEX

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.

Claims use since Mar. 19, 1920.

Ser. No. 171,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Nov. 9, 1922.

BULL-MEAT-BRAND

TRADE MARK REGISTERED



FLOUR

The words "Trade-Mark Registered; Flour; Brand," and all reading matter in small type shown on drawing except the words "Bull Meat Brand" are hereby disclaimed apart from the mark as shown and apart from any common-law rights which the applicant may have therein.

Particular description of goods.—Cereal Products Used as a Binder in Sausage, Meat Loaves, and Other Meat Products.

Claims use since 1912.

Ser. No. 171,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. NEUHOFF, doing business as Fred. B. Neuhoff Company, Los Angeles, Calif. Filed Nov. 11, 1922.

NAVAL

Particular description of goods.—Canned Sardines.

Claims use since about June 1, 1916.

Ser. No. 173,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOMEI-KAISHA SASADA HONTEN, Nagoya, Aichi, Japan. Filed Dec. 11, 1922.



The Japanese character shown within the circle on the drawing is a literal device which is pronounced as "Kan."

Particular description of goods.—Vinegar.

Claims use since Aug. 1, 1900.

Ser. No. 173,253. (CLASS 39. CLOTHING.) STANDARD FELT COMPANY, West Alhambra, Calif. Filed Dec. 12, 1922.

COSY TOES

Particular description of goods.—Boots, Shoes, and Slippers Made of Satins, Leathers, Brocades, and Silks.
Claims use since Oct. 15, 1922.

Ser. No. 173,617. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELLINWOOD MILLING CO., Ellinwood, Kans. Filed Dec. 26, 1922.

U-WAN-TA

Particular description of goods.—Wheat Flour.
Claims use since Aug. 15, 1921.

Ser. No. 175,476. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Feb. 3, 1923.

"ISADORA"

Particular description of goods.—Silk Piece Goods.
Claims use since June 15, 1922.

Ser. No. 176,148. (CLASS 39. CLOTHING.) A. & A. BATHROBE & NOVELTY CO., New York, N. Y. Filed Feb. 17, 1923.

THE KUMFERT BATH ROBE
None Better Made

No claim is made to the words shown on the drawing except to the words "The Kumfert," nor to the representation of the goods, apart from the mark shown on the drawing.
Particular description of goods.—Bath Robes, Buntings, and Sacks.
Claims use since May, 1922.

Ser. No. 176,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "BEAU-TEINT" COMPANY, Washington, D. C. Filed Feb. 17, 1923.

"Beau-Teint"

Particular description of goods.—Complexion Clay.
Claims use since Dec. 27, 1922.

Ser. No. 176,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL G. LEWIS, Los Angeles, Calif. Filed Feb. 19, 1923.

"ASK FOR MORE"
OLIVER TWIST
The Classic Loaf

No claim is made for the word "Loaf" apart from the mark as shown.
Particular description of goods.—Bread.
Claims use since on or about Jan. 12, 1923.

Ser. No. 177,932. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Mar. 23, 1923.

CREPE CUPID

No claim is made to the word "Crepe" apart from the mark shown on the drawing.
Particular description of goods.—Silk Crepes.
Claims use since Sept. 28, 1921.

Ser. No. 178,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS KAYTON, doing business as Mission Candies, San Antonio, Tex. Filed Apr. 5, 1923.

Mission

Particular description of goods.—Mexican Pecan Candy and Other Candies.
Claims use since Feb. 21, 1923.

Ser. No. 178,754. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MAC LEAN DRUG COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

Maclean's

Particular description of goods.—Electric Vibrators, Manicure Sets, Binders and Abdominal Supporters, Hot-Water Bottles, Arch Supports, Bandages, Crutches, Zinc-Oxide Plaster, Toothpicks, Orthopedic Appliances, Elastic Stockings, Trusses, Ice Caps, Ankle Supporters, Pus Pans, Suspensories, Eyecups, Finger-Nail Buffers, Atomizers; Braces—Namely, Body-Correcting Devices; Surgeons' Rubber Gloves, Absorbent Cotton, Shoulder Braces, Enamel Ware for Medical and Surgical Purposes—Namely, Douche Pans.
Claims use since November, 1918.

Ser. No. 179,060. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KAZIMIERZ GOSCIEWSKI, Jackson, Mich. Filed Apr. 11, 1923.



The portrait and signature on drawing are that of applicant.
Particular description of goods.—Medicines to Cure Cold.
Claims use since Feb. 1, 1923.

Ser. No. 179,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS BREAD COMPANY, Houston, Tex. Filed Apr. 12, 1923.

Medley Rolls
Three Kinds in One
Another product of
THE TEXAS BREAD CO.

The words "Rolls, Three Kinds in One, Another Product of" are hereby disclaimed apart from the mark as shown in the drawing and without waiving any of applicant's common-law rights thereto.
Particular description of goods.—Bread, Rolls, Buns, and Other Pastry—Namely, Biscuits, Crackers, Cakes, Pies, Cookies, Eclairs, and Cream Puffs.
Claims use since Mar. 2, 1923.

Ser. No. 179,343. (CLASS 39. CLOTHING.) WRIGHT'S UNDERWEAR COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 18, 1923.

WRIGHT'S
HEALTH UNDERWEAR



No claim is made to the words "Wright's Health Underwear" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Knitted and Textile Garments for Men, Women, Boys, Girls, and Children, Comprising Union Suits, Shirts, and Drawers, Vests and Pants, Sweaters, Jerseys, Jackets, Overshirts, Sweat Shirts, Bloomers, Skirts, Mackinaws, Waists, Rompers, Hosiery, Underhose, Training Pants, and Girdles.

Claims use since November, 1922.

Ser. No. 180,331. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 8, 1923.

Baby BROAD

Particular description of goods.—Men's and Boys' Shirts—Namely, Dress, Negligee, and Work Shirts.

Claims use since Jan. 1, 1921.

Ser. No. 180,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. SCHLESINGER, Atlanta, Ga. Filed May 9, 1923.



The word "Brand" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Candy and Crackers.

Claims use since 1898.

Ser. No. 180,464. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. T. BLOUNT, Orrville, Ohio. Filed May 11, 1923.

SOUTHERN BEAUTY



Particular description of goods.—Saws and Saw Handles.

Claims use since October, 1922.

Ser. No. 180,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEECO GROWERS AND PACKERS, INCORPORATED, Fort Myers, Fla. Filed May 19, 1923.

SWEETHEART

Particular description of goods.—Fresh Citrous Fruits.

Claims use since Mar. 22, 1923.

Ser. No. 1[illegible]9,998. (CLASS 39. CLOTHING.) W. A. WITHERS SHOE CO., Elizabethtown, Pa. Filed May 22, 1923.

Skeezix

Particular description of goods.—Leather Shoes.

Claims use since May 12, 1923.

Ser. No. 181,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRACE A. MORSE, Boston, Mass. Filed May 25, 1923.



Particular description of goods.—Emulsified Liniment.

Claims use since May 31, 1922.

Ser. No. 181,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIGANTE & COMPANY, INCORPORATED, New York, N. Y. Filed May 26, 1923.



No exclusive rights are claimed in the words "Premiata Magnesia al Latte" apart from the mark shown in the drawing; but applicant waives none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Magnesium Oxide.

Claims use since Feb. 1, 1913.

Ser. No. 181,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONSORTIUM F. ELEKTROCHEMISCHE INDUSTRIE, G. M. B. H., Munich, Germany. Filed June 4, 1923.

Syntellac

Particular description of goods.—Synthetic Resins, Their Solutions in Solvents, and Mixtures Obtained by Melting Synthetic Resins with Other Chemical Compounds.

Claims use since Oct. 10, 1922.

Ser. No. 181,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM F. BILLINGS, Hopewell, Va. Filed June 13, 1923.



No claim is made to the word "Roll" apart from the mark as shown.

Particular description of goods.—Candy-Coated Ice-Cream Products.

Claims use since Sept. 10, 1922.

Ser. No. 182,520. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORMA-COMPAGNIE G. M. B. H., Cannstatt-Stuttgart, Germany. Filed June 27, 1923.

AMRON

Particular description of goods.—Ball Bearings, Roller Bearings, Balls, Rollers, Machines in Which Ball or Roller Bearings are Arranged, Specially Grinding Spindles.

Claims use since December, 1922.

Ser. No. 182,589. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed June 29, 1923.



The lining on the drawing represents the color green. The trade-mark consists of a narrow green marginal band or tip extending around the upper end of the ribbed top of the half hose or socks.

Particular description of goods.—Men's and Boys' Half Hose or Socks.

Claims use since on or about May 7, 1913.

Ser. No. 182,804. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 5, 1923.

CARDINAL

Particular description of goods.—Wheat Flour.
Claims use since 1898.

Ser. No. 183,097. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CRAMERTON MILLS, INCORPORATED, Cramerton, N. C. Filed July 12, 1923.

FELICIEN

The mark consists of the word "Felicien."
Particular description of goods.—Yarn-Dyed Fancy-Patterned Cotton Piece Goods.
Claims use since May 16, 1923.

Ser. No. 183,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BESSIE S. POWELL, doing business as Beth Tantum, Los Angeles, Calif. Filed July 20, 1923.



The mark consists of a fanciful arrangement of leaves and orange-colored balls arranged in the form of a spray, the leaves and balls being attached to a string which is wrapped around the neck of the jar, and the string also is wrapped vertically about the jar and has a black ball on the end of it. The handle projecting from the leaves forms no part of the trade-mark. The Chinese characters mean "Preserved Ginger"; but neither the jar nor the Chinese characters nor the ball on the string form any part of the mark and are therefore disclaimed.
Particular description of goods.—Preserved Ginger and Marmalade.
Claims use since on or about Nov. 1, 1921.

Ser. No. 183,635. (CLASS 17. TOBACCO PRODUCTS.) JUSTIN SEUBERT, INC., Syracuse, N. Y. Filed July 24, 1923. Under ten-year proviso.

SEUBERT

Particular description of goods.—Cigars.
Claims use since July, 1894.

Ser. No. 183,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNE WATROUS & CO., Yonkers, N. Y. Filed July 27, 1923.

THE ALISANNE CANDIES

The word "Candies" is disclaimed apart from the other features of the marks.
Particular description of goods.—Candies.
Claims use since July 1, 1922.

Ser. No. 183,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KELNORE COMPANY, San Francisco, Calif. Filed July 31, 1923.



Kelnore

Particular description of goods.—Complexion Bags, Shampoo, Cold Cream, and Lotion.
Claims use since June 26, 1923.

Ser. No. 183,937. (CLASS 27. HOROLOGICAL INSTRUMENTS.) NEWMAN CLOCK COMPANY, INC., New York, N. Y. Filed Aug. 1, 1923.

DETEX

Particular description of goods.—Time Clocks, Time-Recording Apparatus, and Parts for Time Clock and Time-Recording Apparatus.
Claims use since May 4, 1923.

Ser. No. 183,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEO CYRIL HAMEL, doing business as Dorham Chemical Works, River Rouge, Mich. Filed Aug. 2, 1923.

DORHAM

The color lining appearing on the drawing is intended to designate shading only.
Particular description of goods.—Eye Lotion, Hand Lotion, Preparations for the Treatment of the Throat, and Medicated Salve Used for Aches, Asthma, Bites, Bronchitis, Bruises, Burns, Catarrh, Colds, Coughs, Croup, Cuts, Headache, Inflammation, Influenza, Itch, Neuralgia, Pains, Piles, Pneumonia, Rheumatism, Sores, Sprains, Sunburn, Tonsilitis, and Whooping Cough, and for Use after Shaving.
Claims use since Nov. 1, 1922.

Ser. No. 184,156. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ACME SCREEN CO., INC., Dallas, Tex. Filed Aug. 7, 1923.

THEY SHALL NOT PASS

Particular description of goods.—Window and Door Screens.
Claims use since about Oct. 1, 1922.

Ser. No. 184,250. (CLASS 19. VEHICLES; NOT INCLUDING ENGINES.) GUSTAV LASSEN, Walnut, Iowa. Filed Aug. 9, 1923.

HERMES

Particular description of goods.—Automobile Curtain-Supporting Rods.
Claims use since Aug. 4, 1923.

Ser. No. 184,376. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELLON ET CIE., Paris, France. Filed Aug. 13, 1923.

BELLE JOLIE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face and Hair Lotions, Rouge, and Brilliantine.
Claims use since Dec. 1, 1921.

Ser. No. 184,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELLON ET CIE., Paris, France. Filed Aug. 13, 1923.

Lérys

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face and Hair Lotions, Rouge, and Brilliantine.
Claims use since Dec. 1, 1921.

Ser. No. 184,378. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERCIVAL W. BRAIN, doing business as The New Health Laborntories, Lynn, Mass. Filed Aug. 13, 1923.

VITA-LIFE

Particular description of goods.—Tonic Tablets.
Claims use since Mar. 8, 1919.

Ser. No. 184,381. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE C & G COMPANY, San Francisco, Calif., assignee to The Greeley Corporation, San Francisco, Calif., a Corporation of California. Filed Aug. 13, 1923.

PE-LING

The word "Pe-Ling" is the name of a bird in the Peking dialect of the Chinese language.
Particular description of goods.—Game Played with Pieces Similar to Dominoes.
Claims use since July 6, 1923.

Ser. No. 184,396. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JOHN LOUIS DUNCAN, doing business as J. L. Duncan, jr., and as Duncans, Manchester, England. Filed Aug. 13, 1923.

BANDIT

Particular description of goods.—Tobacco Pouches.
Claims use since Aug. 1, 1922.

Ser. No. 184,405. (CLASS 15. OILS AND GREASES.) JULIAN PETROLEUM CORPORATION, Wilmington, Del., and Los Angeles, Calif. Filed Aug. 13, 1923.

DEFIANCE

Particular description of goods.—Gasoline, Lubricating Oils and Greases.
Claims use since July 26, 1923.

Ser. No. 184,608. (CLASS 39. CLOTHING.) GOODHAND, BUCKEL & JOHN, INC., Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1923.

WASH WELL

Particular description of goods.—Fabric Gloves for Men, Women, and Children.
Claims use since Aug. 8, 1923.

Ser. No. 184,609. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMPERTZ & GOTTFRIED, also doing business as G & G Fruit Co., Oxnard, Calif. Filed Aug. 17, 1923.

DANDY BOY

Particular description of goods.—Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrous Fruits.
Claims use since Aug. 1, 1923.

Ser. No. 184,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. M. GIBBS, doing business as Brewer-Gibbs Medicine Company, Cairo, Ill. Filed Aug. 20, 1923.



The portrait shown in accompanying drawing represents the proprietor of this mark.
Particular description of goods.—Blood Purifiers, Medicine for the Treatment of Appendicitis, and Medicines for Stomach Troubles.
Claims use since about Nov. 1, 1922.

Ser. No. 184,794. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE DE LA SOCIÉTÉ HYGIÉNIQUE COTTAN-PORTE & CIE., Paris, France. Filed Aug. 21, 1923.

Cottan

Particular description of goods.—Soap.
Claims use since 1879.

Ser. No. 184,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED DRUG COMPANY, doing business as United Candy Company, Boston, Mass. Filed Aug. 22, 1923.

Liggett's Kandy Packs of Delicious Confections

Our Modern Method of quick, clean, Candy Service

HALF POUND NET.

No claim is made to the right of the exclusive use of the words "Of Delicious Confections," "Our Modern Method of Quick, Clean, Candy Service" and "Kandy Packs" apart from the trade-mark as shown in the drawing. The phrase "Half Pound Net" is hereby included in the disclaimer. The name "Liggetts" is the facsimile signature of Mr. Louis K. Liggett, president of applicant corporation.
Particular description of goods.—Candy.
Claims use since October, 1922.

Ser. No. 184,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERASMUS A. POND, Brooklyn, N. Y. Filed Aug. 25, 1923.

PANTHIOL

Particular description of goods.—Medicinal Remedies to be Used in the Treatment of Diabetes.
Claims use since Sept. 9, 1918.

Ser. No. 184,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROTEXOL CORPORATION, New York, N. Y. Filed Aug. 25, 1923.

STRUCTURAL TIMBER NEOSOTE LIFE PRESERVER

Applicant hereby disclaims the words "Structural Timber Life Preserver" apart from the mark shown in the drawing.
Particular description of goods.—Wood-Preserving Material.
Claims use since 1906.

Ser. No. 184,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROTEXOL CORPORATION, New York, N. Y. Filed Aug. 25, 1923.

OSCO CREOSOTE OIL

The words "Creosote Oil" are hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Wood-Preserving Material.
Claims use since 1921.

Ser. No. 184,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PROTEXOL CORPORATION, New York, N. Y. Filed Aug. 25, 1923.

Protexide COLORLESS WOOD PRESERVATIVE

Applicant hereby disclaims the words "Colorless Wood Preservative" apart from the mark shown in the drawing.
Particular description of goods.—Colorless and Odorless Wood Preservative.
Claims use since 1921.

Ser. No. 185,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA WAKEMAN, St. Petersburg, Fla. Filed Aug. 28, 1923.

ARCHAW

Particular description of goods.—Medicinal Preparation for the Treatment of Asthma.
Claims use since Apr. 3, 1923.

Ser. No. 185,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOODMADE PURE FOOD CO. REG., Newark, N. J. Filed Aug. 29, 1923.

GOODMAID TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Alimentary Pastes—Namely, Macaroni, Spaghetti, Egg Noodles.
Claims use since January, 1923.

Ser. No. 185,144. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Aug. 29, 1923.

BOUQUET DES AMOURS

Particular description of goods.—Soaps—Namely, Soap in Cake Form, Soap Paste, and Soap Powders.
Claims use since Apr. 6, 1898.

Ser. No. 185,145. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ROGER ET GALLET, Paris, France. Filed Aug. 29, 1923.

BOUQUET DES AMOURS

Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth, Skin, and Hair, and Perfumery.
Claims use since Apr. 6, 1896.

Ser. No. 185,331. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed Sept. 5, 1923.

INSULOLS

Particular description of goods.—Suppositories Used in the Treatment of Diabetes.
Claims use since July 18, 1923.

Ser. No. 185,761. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OATMAN CONDENSED MILK COMPANY, Dundee, Ill. Filed Sept. 13, 1923.

MLEKO

Particular description of goods.—Evaporated Skimmed Milk.
Claims use since Aug. 1, 1923.

Ser. No. 185,789. (CLASS 36. PAPER AND STATIONERY.) THE MEAD [illegible] COMPANY, Dayton, Ohio. Filed Sept. 14, 1923.

OLD-HICKORY

Particular description of goods.—Mimeograph Print Paper, Antique Paper Which is Print Paper Having a Dead Finish, and Bulking Bookpaper, Such as Print Paper Used for Novels and Like Books.
Claims use since Apr. 9, 1923.

Ser. No. 185,933. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERASMUS A. POND, Brooklyn, N. Y. Filed Sept. 19, 1923.

AMYCILIN

Particular description of goods.—Medicinal Remedies to be Used in the Treatment of Hay Fever, Spring Catarrh, and Kindred Diseases.
Claims use since Sept. 9, 1918.

Ser. No. 185,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERASMUS A. POND, Brooklyn, N. Y. Filed Sept. 19, 1923.

ONA

Particular description of goods.—Medicinal Remedies to be Used in the Treatment of Optic-Nerve Atrophies, Hemorrhages of the Eye, and Other Forms of Atrophies in the Human Body.
Claims use since Sept. 9, 1918.

Ser. No. 185,952. (CLASS 12. CONSTRUCTION MATERIALS.) EDWARD BRYANT COMPANY, Boston, Mass. Filed Sept. 20, 1923.

SHAMROCK FINISH LIME

No claim is made to the words "Finish Lime" apart from the mark as shown in the drawing.
Particular description of goods.—Lime.
Claims use since July 1, 1921.

Ser. No. 186,235. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDWARD S. JOHNSON, Wellesley Hills, Mass. Filed Sept. 26, 1923.

GLINT

"Glint."
Particular description of goods.—Cleaning Compound for Cleaning Enamel and Porcelain, Metals, Pots and Pans, Painted and Enamel Woodwork, Tile Floors, Linoleum, and for Dishwashing, Laundry, and Mechanical Washers.
Claims use since Aug. 21, 1923.

Ser. No. 186,262. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MFG. CO., Saco, Me., and Boston, Mass. Filed Sept. 26, 1923.

Holanda York

Particular description of goods.—Cotton Piece Goods.
Claims use since 1916.

Ser. No. 186,243. (CLASS 39. CLOTHING.) W. A. WITHERS SHOE CO., Elizabethtown, Pa. Filed Sept. 28, 1923.

OUTGROWN BEFORE OUTWORN

Particular description of goods.—Leather Shoes.
Claims use since May 12, 1923.

Ser. No. 186,431. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) A. E. LITTLE COMPANY, Lynn, Mass. Filed Oct. 1, 1923.

NEW ERA

Particular description of goods.—Machines for Use in Manufacturing Boots and Shoes.
Claims use since Jan. 1, 1923.

Ser. No. 186,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELLEGE S. ASBELL, doing business as Romero Drug Co., El Paso, Tex. Filed Oct. 2, 1923.

PILDORAS CANARIO

No claim is made to the use of the word "Pildoras" apart from the mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Laxative Pills.
Claims use since June, 1920.

Ser. No. 186,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NAMI K. NUCHO, Chester, Pa. Filed Oct. 2, 1923.

HEMOTONIC

Particular description of goods.—Medicine for Use as a General Tonic.
Claims use since Feb. 8, 1919.

Ser. No. 186,498. (CLASS 32. FURNITURE AND UPHOLSTERY.) EXCELLO PRODUCTS CORPORATION, Cicero, Ill. Filed Oct. 3, 1923.

EXCELLO

The drawing is lined to represent colors red and gold or yellow.
Particular description of goods.—Office and Household Desks, Typewriter Desks, Tables, Telephone Desks, and Radio Cabinets.
Claims use since January, 1923.

Ser. No. 186,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 3, 1923.

PREMIO

Particular description of goods.—Canned Fruits, Dried Fruits, and Canned Fish.
Claims use since 1908.

Ser. No. 186,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. KOBI, doing business as United States Remedy Co., Jacksonville, Fla. Filed Oct. 4, 1923.

LIFE-LINE

Particular description of goods.—Tonic Used in the Treatment of Malaria, Chills, Fever, Asthma, Hay Fever, Ague, Constipation and Biliousness, Dengue, Headache, Influenza, Colds, La Grippe, Rheumatism, and Bowel, Liver, and Kidney Trouble.
Claims use since Sept. 12, 1923.

Ser. No. 186,608. (CLASS 12. CONSTRUCTION MATERIALS.) PECORA PAINT CO., Philadelphia, Pa. Filed Oct. 5, 1923.

ACICHLOR

Particular description of goods.—An Acidproof Cement or Lute for Protecting Joints and Locations Exposed to Acids, Acid Fumes, Alkaline or Chlorine Fumes Under Hot or Cold Conditions, and for Use as a Mortar for Brick or Other Work Subject to Contact with Acids, Acid Fumes, Alkaline or Chlorine Fumes Under Hot or Cold Conditions.
Claims use since about Mar. 15, 1919.

Ser. No. 186,812. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNION SULPHUR COMPANY, New York, N. Y. Filed Oct. 10, 1923.

NUPROSSUL

Particular description of goods.—Sulphur.
Claims use since Sept. 26, 1923.

Ser. No. 186,831. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DRYCO PRODUCTS COMPANY, Kansas City, Mo. Filed Oct. 11, 1923.

DRYCO

Particular description of goods.—Paints, Ready Mixed and Paste, Waterproofing Paints, Ready-Mixed and Paste Paints for Painting Stucco, Concrete, Plaster, and Wet

and Dry Masonry, Ready-Mixed Paints and Stains for Painting and Preserving Wood Buildings, Wood Shingles and Roofs, and Metal Surfaces, and a Ready-Mixed Colorless Paste Paint for Painting Stucco, Concrete, Plaster, and Dry Masonry.

Claims use since Sept. 27, 1923.

Ser. No. 186,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORY MILLING COMPANY, Bangor, Pa. Filed Oct. 11, 1923.



The word "Superior," being descriptive, is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Flour.

Claims use since Jan. 1, 1913.

Ser. No. 186,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORY MILLING COMPANY, Bangor, Pa. Filed Oct. 11, 1923.



The word "Superior," being descriptive, is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Horse, Cattle, and Poultry Feeds and Grains.

Claims use since Jan. 1, 1913.

Ser. No. 186,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUAKER OIL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Oct. 11, 1923.



"Nonal."

Particular description of goods.—Oleaginous Preparation Used as a Wool and Worsted Lubricant or Grease.

Claims use since about Sept. 10, 1923.

Ser. No. 186,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOPHIA BURLOCK, Chicago, Ill. Filed Oct. 13, 1923.



No claim is made to the use of the words "Method, Hair and Scalp Treatment, Trade Mark, Reg. U. S. Patent Office" apart from the mark as shown.

Particular description of goods.—Preparation for the Treatment of the Hair and Scalp.

Claims use since June 15, 1923.

Ser. No. 187,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH RALSTON MARTIN, McKeesport, Pa. Filed Oct. 15, 1923.



The trade-mark has displayed thereon a photograph of the said Dr. D. Martin, deceased, applicant's predecessor in business.

Particular description of goods.—Healing Ointment for External Use.

Claims use since July 9, 1923.

Ser. No. 187,035. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WILLIAM BLACK & CO. INC., New York, N. Y. Filed Oct. 16, 1923.



Particular description of goods.—Cabinets and Humidors for Cigars, Cigarettes, and Tobacco.

Claims use since Sept. 20, 1923.

Ser. No. 187,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA REX SPRAY COMPANY, Benicia, Calif. Filed Oct. 16, 1923.



All the wording appearing on the drawing with the exception of the words "Rex" and "King of" being disclaimed apart from the other features of the mark.

Particular description of goods.—Spray Materials, Insecticides, Fungicides, Disinfectants, and Stock Dips.

Claims use since 1896.

Ser. No. 187,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERICO MACARONI MFG. CO., INC., New Orleans, La. Filed Oct. 17, 1923.



Particular description of goods.—Macaroni, Spaghetti, and Tomato Paste.

Claims use since 1886.

Ser. No. 187,106. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND-O'NEAL MILLING CO., Mount Vernon and Springfield, Mo. Filed Oct. 17, 1923.



Particular description of goods.—Corn Meal.

Claims use since Oct. 5, 1920.

Ser. No. 187,149. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALLACE B. BLAKELEY & COMPANY, Los Angeles, Calif. Filed Oct. 18, 1923.



The trade-mark is the picture of Lillian Adele Butterfield.

Particular description of goods.—Face Paste and Powder.

Claims use since Oct. 1, 1923.

Ser. No. 187,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN G. FRANK, doing business as The Morrison Co., Philadelphia, Pa. Filed Oct. 18, 1923.



No claim is made to the representation of a lemon and of a piece of pie except in the association shown in the drawing but no common-law rights therein are waived.

Particular description of goods.—Preparation in Powdered Form for Making a Filling for Lemon Pie, for Making Lemon Butter, for Making Lemon Sherbet, and for Making Lemon Sauce.

Claims use since about Sept. 13, 1923.

Ser. No. 187,171. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NEW ENGLAND ENAMELING COMPANY, Middletown, Conn. Filed Oct. 18, 1923.

NIKALIUM

Particular description of goods.—Dishes and Utensils for Kitchen and Household Use, Comprising Boilers, Bowls, Chamber Pots, Cookers, Colanders, Pot Covers, Cups, Cuspidors, Dippers, Kettles, Ladles, Pans, Plates, Pots, Roasters, Steamers, and Strainers Made of Sheet Metal.

Claims use since about Aug. 1, 1923.

Ser. No. 187,195. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN R. BOWKER, Somerville, Mass. Filed Oct. 19, 1923.

J-BO

Particular description of goods.—A Puzzle Game Played with Cardboard, Cut-outs, or Blocks.

Claims use since Oct. 1, 1923.

Ser. No. 187,227. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FREDRICK A. LUTHY, Jackson, Mich. Filed Oct. 19, 1923.

LU-THE

Particular description of goods.—Valve-Grinding Tools, Screw Drivers, Wrenches, Bushing Removers, and Wheel Pullers.

Claims use since Feb. 16, 1921.

Ser. No. 187,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NELSON FRY, Philadelphia, Pa. Filed Oct. 25, 1923.

TINGLE

Particular description of goods.—Face Lotion.

Claims use since Sept. 20, 1922.

Ser. No. 187,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 25, 1923. Under ten-year proviso.

Sunset

Particular description of goods.—Canned Fruits.

Claims use since Oct. 23, 1889.

Ser. No. 187,478. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUBURGER & COMPANY, New York, N. Y. Filed Oct. 25, 1923.

DUO-SHRUNK

Particular description of goods.—Dress Linens—viz, Piece Goods—and Cotton and Woolen Piece Goods.

Claims use since Aug. 3, 1923.

Ser. No. 187,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 26, 1923. Under ten-year proviso.

SAINTE CLAIRE

Particular description of goods.—Canned Fruits.

Claims use since Oct. 5, 1883.

Ser. No. 187,549. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY CHARLES TALPA, doing business as Talpa Engine Works, Chicago, Ill. Filed Oct. 26, 1923.

APLAT

Particular description of goods.—Steam Engines.

Claims use since Aug. 11, 1923.

Ser. No. 187,559. (CLASS 17. TOBACCO PRODUCTS.) ALEXANDER J. ABRAMS, New York, N. Y. Filed Oct. 27, 1923.



The lines shown on the drawing indicate shading and not any particular color scheme. The shield design and the lettering show the colors red and blue.

Particular description of goods.—Cigars.

Claims use since Sept. 28, 1923.

Ser. No. 187,584. (CLASS 39. CLOTHING.) MERRILL SILK COMPANY, Hornell, N. Y. Filed Oct. 27, 1923.

"Merrill"

The drawing consisting of the facsimile signature of the founder of the applicant company.

Particular description of goods.—Men's, Women's, and Children's Fabric Gloves and Hosiery, and Knitted Underwear for Women.

Claims use since June, 1902.

Ser. No. 187,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MINEAPO CO., Minneapolis, Minn. Filed Oct. 27, 1923.

THE Mineapo CO.

Particular description of goods.—Food-Flavoring Extracts.

Claims use since June 7, 1922.

Ser. No. 187,778. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH & HOLDEN, New York, N. Y. Filed Oct. 31, 1923.

RED BOY

Particular description of goods.—Fresh Apples, Fresh Citrous Fruits, Fresh Grapes, Fresh Melons, Fresh Vegetables, and Cantaloupes.

Claims use since about September, 1923.

Ser. No. 187,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH & HOLDEN, New York, N. Y. Filed Oct. 31, 1923.

RED GIRL

The color lines on the drawing indicate a red color.

Particular description of goods.—Fresh Apples, Fresh Citrous Fruits, Fresh Grapes, Fresh Melons, Fresh Vegetables, and Cantaloupes.

Claims use since about September, 1923.

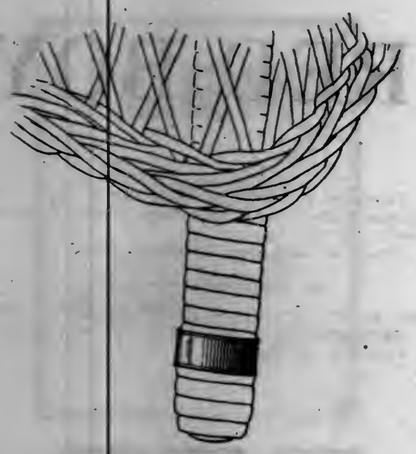
Ser. No. 187,809. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ELECTRIFIED WATER AND MACHINE COMPANY, Dallas, Tex. Filed Nov. 1, 1923.

Electrified

Particular description of goods.—Sparkling Water, a Carbonated-Water Drink.

Claims use since Jan. 1, 1922.

Ser. No. 187,834. (CLASS 32. FURNITURE AND UPHOLSTERY.) A. L. RANDALL COMPANY, Chicago, Ill. Filed Nov. 1, 1923.



The mark consists of a metal band usually formed of a strip of metal placed about the leg of the article near the bottom thereof. In some instances the band is gold plated and in others it is surface finished to simulate gold.

Particular description of goods.—Reed Chairs, Reed Rockers, Reed Settees, Reed Tables, Reed Desks, Reed Desk Chairs, Reed Combination Fernery, Reed Chaise Longué, Reed Day Bed, Reed Smoking Stand, and Reed Tea Cart.

Claims use since Oct. 5, 1923.

Ser. No. 187,840. (CLASS 39. CLOTHING.) SOL. A. ROTHSCHILD COMPANY, INC., Chicago, Ill. Filed Nov. 1, 1923.



No claim is made to the exclusive use of the word "Gloves" apart from the mark shown.

Particular description of goods.—Men's, Women's, and Children's Fabric Gloves.

Claims use since Sept. 14, 1923.

Ser. No. 187,844. (CLASS 39. CLOTHING.) B G H SHOE STORES INC., New Orleans, La. Filed Nov. 2, 1923.



No claim made to the exclusive use of the words "Better Goods Here" apart from the mark as shown in the drawing.

Particular description of goods.—Men's, Women's, Misses', Boys', Children's, and Infants' Shoes Manufactured from Leather, Rubber, Fabric, or Combinations of the Same.

Claims use since Oct. 6, 1923.

Ser. No. 187,974. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON W. WOLFF, West Allis, Wis. Filed Nov. 3, 1923.



Particular description of goods.—Preparations for the Treatment of Hair and Scalp.

Claims use since Apr. 10, 1923.

Ser. No. 188,099. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE NARROW FABRIC CO., West Reading, Pa. Filed Nov. 7, 1923.



Particular description of goods.—Rickrack, Woven and Braided Elastic, and Woven and Braided Trimming.

Claims use since June 15, 1921.

Ser. No. 188,100. (CLASS 37. PAPER AND STATIONERY.) POWERS PAPER COMPANY, Springfield, Mass. Filed Nov. 7, 1923.



Particular description of goods.—Printing and Writing Papers, Writing Tablets, Composition and Note Books.

Claims use since 1909.

Ser. No. 188,143. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE "SENTINEL" WAGGON WORKS (1920) LIMITED, London, England. Filed Nov. 8, 1923.

SUPER-SENTINEL

Particular description of goods.—Steam Tractors.

Claims use since Oct. 1, 1922.

Ser. No. 188,145. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN THERMO-WARE COMPANY, New York, N. Y. Filed Nov. 9, 1923.

Autocrat

"Autocrat."

Particular description of goods.—Hydrometers, Hydrometer Syringes, Hydrometer Test Sets, Combined Hydrometers and Thermometers.

Claims use since Apr. 15, 1909.

Ser. No. 188,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER DEWITT KEMP, New York, N. Y. Filed Nov. 10, 1923.

BLACKBAPPLE

Particular description of goods.—Fruit Sauce and Fruit Pulp. The Specific Characteristics of the Goods are That They are Comprised of Apple Sauce and Blackberry Flavor and Apple Pulp and Blackberry Flavor.

Claims use since Sept. 15, 1923.

Ser. No. 188,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER DEWITT KEMP, New York, N. Y. Filed Nov. 10, 1923.

RASPBAPPLE

Particular description of goods.—Fruit Sauce and Fruit Pulp. The Specific Characteristics of the Goods are That They are Comprised of Apple Sauce and Raspberry Flavor and Apple Pulp and Raspberry Flavor.

Claims use since Sept. 15, 1923.

Ser. No. 188,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILDRED CHASE COOKE, doing business as The Chase Diet Sanitarium, Los Angeles, Calif. Filed Nov. 12, 1923.

CIPHER

Particular description of goods.—Wafers Used as a Substitute for Bread.

Claims use since Nov. 1, 1921.

Ser. No. 188,310. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JENKINS MANUFACTURING COMPANY, INC., Bloomfield, N. J. Filed Nov. 14, 1923.

-J-

Particular description of goods.—Valves, Valve Wheels, Valve Fittings, and Pipe Fittings.
Claims use since on or about Nov. 7, 1923.

Ser. No. 188,359. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROOKSHIRE CHEESE CO., Plymouth, Wis. Filed Nov. 15, 1923.

GENUINE
Bergenthaler
CHEESE
A BROOKSHIRE PRODUCT

The words "Genuine Cheese a Brookshire Product" are each disclaimed apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Nov. 1, 1923.

Ser. No. 188,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROOKSHIRE CHEESE CO., Plymouth, Wis. Filed Nov. 15, 1923.

GENUINE
Brie-denzer
CHEESE
A BROOKSHIRE PRODUCT

The words "Genuine Cheese a Brookshire Product" are each disclaimed apart from the mark as shown.
Particular description of goods.—Cheese.
Claims use since Nov. 1, 1923.

Ser. No. 188,377. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PULLMAN COMPANY, Chicago, Ill. Filed Nov. 15, 1923. Under ten-year proviso.

PULLMAN

Particular description of goods.—Railway Cars.
Claims use since 1890.

Ser. No. 188,413. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GOLD SEALED DENTURE PROCESS CO., INC., New York, N. Y. Filed Nov. 16, 1923.

"GOLD SEALED"

No claim made to any right of registration under the statute of "Gold Sealed" except in connection with the mark as shown, applicant reserving however, all common-law right to the mark as a whole.
Particular description of goods.—Artificial Dentures.
Claims use since Nov. 10, 1923.

Ser. No. 188,544. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLL. B. FRASER, Montebello, Calif. Filed Nov. 19, 1923.

LUSTER-LIFE

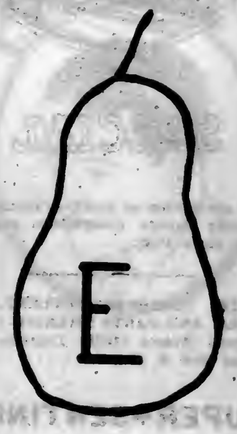
Particular description of goods.—Automobile Top Dressing and Leather Dressing.
Claims use since Mar. 1, 1923.

Ser. No. 188,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE CANDY COMPANY, St. Joseph, Mo. Filed Nov. 20, 1923. Under ten-year proviso.

Chase's

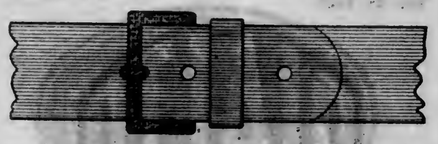
Particular description of goods.—Candy.
Claims use since 1872.

Ser. No. 188,609. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PERRY TOOL COMPANY, Spokane, Wash. Filed Nov. 20, 1923.



Particular description of goods.—Tools, and Specifically Thread-Re-Forming Devices.
Claims use since Oct. 24, 1923.

Ser. No. 188,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWEN-OGLESBY MILLING CO., Independence, Kans. Filed Nov. 22, 1923.



The belt delineated in said drawing is blue, and the buckle is yellow, as denoted by the lines thereof.
Particular description of goods.—Wheat Flour.
Claims use since Oct. 24, 1921.

Ser. No. 188,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA HONEY DISTRIBUTORS, Chico, Calif. Filed Nov. 22, 1923

Five © Point

Particular description of goods.—Honey.
Claims use since Aug. 25, 1923.

Ser. No. 188,670. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Nov. 22, 1923.

HI-KICKS

Particular description of goods.—Shoes with Uppers Made of Leather or of Canvas Trimmed with Leather and Having Rubber or Leather Soles.
Claims use since about Nov. 20, 1923.

188,698. (CLASS 39. CLOTHING.) NUNN, BUSH & WELDON SHOE CO., Milwaukee, Wis. Filed Nov. 22, 1923.

Ball-Fashioned

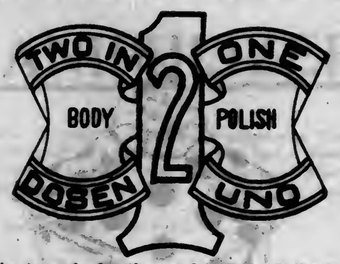
Particular description of goods.—Men's Leather Shoes.
Claims use since Oct. 1, 1923.

Ser. No. 188,718. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) MAURICE A. STONE, doing business as Liberty Fireworks Co., Chicago, Ill. Filed Nov. 22, 1923.



Particular description of goods.—Fireworks.
Claims use since Dec. 10, 1921.

Ser. No. 188,747. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. F. DALLEY COMPANY, INC., Buffalo, N. Y. Filed Nov. 23, 1923.



No claim is made for the words "Body Polish" apart from the mark shown in the drawing.
Particular description of goods.—Auto Body Polish.
Claims use since about Nov. 1, 1923.

Ser. No. 188,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE V. GRIENINGER, Los Angeles, Calif. Filed Nov. 23, 1923.



YellowBird

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Oct. 1, 1923.

Ser. No. 188,764. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERCOLE H. LOCATELLI, New York, N. Y. Filed Nov. 23, 1923.

HOFFMAN'S
CLOVER BRAND

No claim made to the word "Brand."
Particular description of goods.—Cheese.
Claims use since Aug. 14, 1914.

Ser. No. 188,849. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. MARSHALL, doing business as Klax-Ko Co., Logansport, Ind. Filed Nov. 24, 1923.

"Klax-Ko"

Particular description of goods.—Medicines for Treating Gallstones and Liver Complaints.
Claims use since Oct. 13, 1923.

Ser. No. 188,994. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., INC., New York, N. Y. Filed Nov. 24, 1923.



Particular description of goods.—Cotton Piece Goods, Bleached and Gray Cotton Piece Goods.
Claims use since Mar. 1, 1920.

Ser. No. 188,977. (CLASS 17. TOBACCO PRODUCTS.) SOCIÉTÉ JOB, ANCIENS ETABLISSEMENTS BARDOU-JOB ET PAUILHAC, Perpignan and Toulouse, France. Filed Nov. 27, 1923.

BOJ

The trade-mark consists merely in the invented word "B O J."
Particular description of goods.—Cigars, Smoking Tobacco, Snuff, Chewing Tobacco, and Cigarettes.
Claims use since July 7, 1897.

Ser. No. 188,994. (CLASS 12. CONSTRUCTION MATERIALS.) L. A. ENAS, Garden Valley, Tex. Filed Nov. 28, 1923.

THE R-A-E CONCRETE FENCING & BUILDING POST

No claim is made to the words "Concrete Fencing and Building Posts" apart from the mark as shown in the drawing.
Particular description of goods.—Concrete Fence and Other Posts.
Claims use since Oct. 3, 1923.

Ser. No. 189,010. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RIALTO BARBER SHOP, INC., New York, N. Y. Filed Nov. 28, 1923.

RIALTO

Particular description of goods.—Hair Tonic.
Claims use since July 1, 1923.

Ser. No. 189,068. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Nov. 30, 1923.



The mark consists of a hexagon surrounded by a ring.
Particular description of goods.—Radiator Covers for Motor Vehicles.
Claims use since July, 1923.

Ser. No. 189,084. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WHITE MOP WRINGER COMPANY, Fultonville, N. Y. Filed Nov. 30, 1923.

POLL PARROT SWING

No claim is made to the word "Swing."
Particular description of goods.—Child's Swing.
Claims use since Aug. 1, 1923.

Ser. No. 189,128. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KANTOR BROTHERS, New York, N. Y. Filed Dec. 1, 1923.



Particular description of goods.—Pearl Necklaces.
Claims use since Nov. 10, 1923.

Ser. No. 189,129. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JESSE G. KIRBY, Dallas, Tex. Filed Dec. 1, 1923.



Particular description of goods.—Portable Collapsible Lunch Stands.
Claims use since Oct. 15, 1923.

Ser. No. 189,135. (CLASS 11. INKS AND INKING MATERIALS.) THE PARKER PEN CO., Janesville, Wis. Filed Dec. 1, 1923.

Parker Duofold Ink

The mark consists of the words "Parker Duofold Ink," no claim being made to the exclusive use of the word "Ink" apart from the mark as shown in the drawing.
Particular description of goods.—Writing-Fluid Ink.
Claims use since Nov. 5, 1923.

Ser. No. 189,138. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., Lancaster, Pa. Filed Dec. 1, 1923.

Pensco Quality GOOD SOAP SINCE 1849

"Judge by the Suds"

No claim to the words "Good Soap Since 1849."
Particular description of goods.—Soaps.
Claims use since Jan. 2, 1923.

Ser. No. 189,142. (CLASS 15. OILS AND GREASES.) HARMON SHEETS, doing business as Sheets Oil Company, Fort Wayne, Ind. Filed Dec. 1, 1923.

"Old Style"

Particular description of goods.—Kerosene and Gasoline.
Claims use since Nov. 1, 1922.

Ser. No. 189,152. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHARLES CROSS, San Francisco, Calif. Filed Dec. 3, 1923.

MANIPULIZER

Particular description of goods.—Apparatus Consisting of Corrugated and Spindled Rollers and a Specially-Designed Board Used for the Treatment of Foot Ailments and Prevention of Foot Ailments and Postural Defects.
Claims use since Oct. 16, 1919.

Ser. No. 189,173. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SELF STARTER PUBLISHING COMPANY, Minneapolis, Minn. Filed Dec. 3, 1923.

Self Starter

Particular description of goods.—Title of a Monthly Publication.
Claims use since Sept. 1, 1923.

Ser. No. 189,251. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. H. KRIEGER, Los Angeles, Calif. Filed Dec. 5, 1923.

ATOMITE

Particular description of goods.—Diatomaceous Earth.
Claims use since Aug. 25, 1923.

Ser. No. 189,267. (CLASS 39. CLOTHING.) GEORGE E. PEIRCE, doing business as Thomas F. Peirce & Son, Providence, R. I. Filed Dec. 5, 1923.

BROADCAST

Particular description of goods.—Shoes, Boots, Slippers, Rubbers, and Overshoes Which Are Made of Leather, Rubber, Fabric, and Combinations of the Same.
Claims use since Mar. 26, 1923.

Ser. No. 189,297. (CLASS 39. CLOTHING.) BARNES KNITTING COMPANY, Cedartown, Ga. Filed Dec. 6, 1923.

Barnesknit

Particular description of goods.—Hosiery.
Claims use since October, 1920.

Ser. No. 189,332. (CLASS 15. OILS AND GREASES.) MIDWEST AND GULF PRODUCTS COMPANY, Tulsa, Okla. Filed Dec. 6, 1923.

Mi-We-Go OILS

No claim made to the word "Oils" apart from the mark shown.

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Oct. 16, 1923.

Ser. No. 189,333. (CLASS 43. THREAD AND YARN.) JAMES NELSON LIMITED, Nelson, England. Filed Dec. 6, 1923.

NELVO

Particular description of goods.—Mercerized Sewing Cotton.

Claims use since about June 28, 1923.

Ser. No. 189,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOOTH-WHITE LABORATORIES, New Philadelphia, Ohio. Filed Dec. 6, 1923.

TOOTHWHITE

Seibold

The bands in the mark are green.

Particular description of goods.—Dentifrice.

Claims use since Oct. 1, 1923.

Ser. No. 189,341. (CLASS 39. CLOTHING.) WHEELER & MOTTER MERCANTILE COMPANY, St. Joseph, Mo. Filed Dec. 6, 1923.

Society

Particular description of goods.—Hosiery.

Claims use since Oct. 1, 1914.

Ser. No. 189,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM S. MERRELL COMPANY, Cincinnati, Ohio. Filed Dec. 7, 1923. Under ten-year proviso.

BROMO CHLORAL

Particular description of goods.—Chloral and Bromides Compound as a Sedative and Hypnotic Used in Insomnia, Nervousness, Etc.

Claims use since May, 1894.

Ser. No. 189,385. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE S. BARKER, doing business as Bark-Air Arch Support Co., Denver, Colo. Filed Dec. 8, 1923.

BARK-AIR TRADE MARK ARCH SUPPORTS

No claim is made to the exclusive use of the words "Arch Supports" or "Trade Mark" nor to the representation of an arch support.

Particular description of goods.—Foot Arch Supports.

Claims use since June 1, 1919.

Ser. No. 189,405. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis, Tenn. Filed Dec. 8, 1923.

GENUINE HICKORY

Exclusive use to the words "Genuine Hickory" is disclaimed except in connection with the mark shown on the drawing.

Particular description of goods.—Ax, Adz, Pick, Sledge, Maul, Hammer, and Hatchet and Railroad and Mining Tool Handles.

Claims use since Sept. 1, 1923.

Ser. No. 189,406. (CLASS 45. BEVERAGES, NONALCOHOLIC.) K. PAUL HILANDER, doing business as Maydale Spring Company, Maynard, Mass. Filed Dec. 8, 1923.

First

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.

Claims use since Apr. 1, 1923.

Ser. No. 189,414. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROLLAND L. KRAW, doing business as The R. R. Flood Company, Cincinnati, Ohio. Filed Dec. 8, 1923.

FrisKo

Particular description of goods.—Soap.

Claims use since about Dec. 27, 1917.

Ser. No. 189,446. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COURTAULDS, LIMITED, London, England. Filed Dec. 10, 1923.

MYOSOTIS

Particular description of goods.—Silk Piece Goods.

Claims use since Nov. 10, 1919.

Ser. No. 189,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRUNIER & CIE., Paris, France. Filed Dec. 10, 1923.

NOVACETINE

Particular description of goods.—Preventive and a Treatment for Rheumatism.

Claims use since June 1, 1922.

Ser. No. 189,503. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE HENDERSON LITHOGRAPHING CO., Norwood, Cincinnati, Ohio. Filed Dec. 11, 1923.

"LASTING IMPRESSIONS"

Particular description of goods.—Signs Made of Metal, Wood, and Celluloid.

Claims use since Oct. 3, 1923.

Ser. No. 189,588. (CLASS 2. RECEPTACLES.) VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind. Filed Dec. 11, 1923.

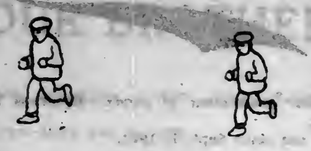
V A VANCO C O

Particular description of goods.—Sprinkler Cans, Garbage Cans, Lard Cans, Dairy Pails, Ash Cans, Buckets, Kerosene Cans, Gasoline Cans, and Waste Cans.

Claims use since Jan. 1, 1914.

Ser. No. 189,551. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEST CUTLERY CO., Newark, N. J. Filed Dec. 12, 1923.

MARATHON



Particular description of goods.—Razor Blades.

Claims use since Nov. 19, 1923.

Ser. No. 189,628. (CLASS 11. INKS AND INKING MATERIALS.) KEE LOX MANUFACTURING COMPANY, Rochester, N. Y. Filed Dec. 13, 1923.

FINE-ELLO

Particular description of goods.—Carbon Paper.

Claims use since July 17, 1923.

Ser. No. 189,635. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILNESIA LABORATORIES, Atlanta, Ga. Filed Dec. 13, 1923.

M W
M W

Particular description of goods.—Cathartics.
Claims use since Oct. 20, 1923.

Ser. No. 189,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILNESIA LABORATORIES, Atlanta, Ga. Filed Dec. 13, 1923.

Milnesia

Particular description of goods.—Cathartics.
Claims use since Oct. 20, 1923.

Ser. No. 189,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD SCHMEER, New York. N. Y. Filed Dec. 13, 1923.

Bessco

Particular description of goods.—Eyedrops and Eye Ointment.
Claims use since Sept. 1, 1921.

Ser. No. 189,657. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BUDDIE EQUIPMENT COMPANY, Cleveland, Ohio. Filed Dec. 14, 1923.

BUDDIE

Particular description of goods.—Valve Lifters.
Claims use since Nov. 26, 1923.

Ser. No. 189,684. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MERCK & CO., New York, N. Y. Filed Dec. 14, 1923.

SUPEROXOL

Particular description of goods.—Peroxide Preparations in the Form of Powder, Tablets, and Solutions.
Claims use since July 5, 1917.

Ser. No. 189,692. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SAFETY HONE COMPANY, Chicago, Ill. Filed Dec. 14, 1923.

SAF-T-HON

Particular description of goods.—Razor-Blade-Sharpening Machines.
Claims use since Nov. 12, 1923.

Ser. No. 189,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THAMES DRUG COMPANY, INC., Beaumont, Tex. Filed Dec. 14, 1923.

QUER-COLE
CAPSULES

No claim is made to the use of the word "Capsules" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Medicinal Preparation Used in the Treatment of Colds, Headaches, and La Grippe.
Claims use since 1912.

Ser. No. 189,700. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WELLMAN WIEBER CHECKERS COMPANY, Cleveland, Ohio. Filed Dec. 14, 1923.

RED CAP

The parallel vertical lines in drawing are used to represent the color red.
Particular description of goods.—Shock Absorbers for Vehicles.
Claims use since Jan. 15, 1923.

Ser. No. 189,708. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHICAGO ROLLER SKATE COMPANY, Chicago, Ill. Filed Dec. 15, 1923.

"REAL STEER"



Particular description of goods.—Children's Sleds.
Claims use since Nov. 30, 1923.

Ser. No. 189,785. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed Dec. 17, 1923.

Seal-Tite

Particular description of goods.—Track for Garage and Barn Doors.
Claims use since October, 1919.

Ser. No. 189,788. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed Dec. 17, 1923.

Cannon Ball

Particular description of goods.—Garage and Barn Door Track.
Claims use since October, 1908.

Ser. No. 189,798. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Dec. 17, 1923.

Zenith

Particular description of goods.—Outing Tents.
Claims use since about Mar. 1, 1894.

Ser. No. 189,807. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MERRITT MANUFACTURING COMPANY, Lockport, N. Y. Filed Dec. 17, 1923.

DRYAD

Particular description of goods.—Veneer-Drying Machines.
Claims use since Nov. 13, 1922.

Ser. No. 189,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. EUZIÈRE & CIE., Grasse, France. Filed Dec. 18, 1923.

ESSODOR

Particular description of goods.—Perfume Concentrates in Liquid Form.
Claims use since 1919.

Ser. No. 189,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHEN K. KARBERANNES, doing business as New York Barber Supply Co., Milwaukee, Wis. Filed Dec. 18, 1923.

FOUR BROTHERS

Particular description of goods.—Toilet Water or Hair Tonic.
Claims use since Feb. 1, 1922.

Ser. No. 189,859. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MARTIN BAND INSTRUMENT COMPANY, Elkhart, Ind. Filed Dec. 18, 1923.

Handcraft

Particular description of goods.—Horns, Saxophones, and Clarinets.
Claims use since Sept. 5, 1923.

Ser. No. 189,885. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN C. RAISLEY, New Haven, Conn. Filed Dec. 18, 1923.

SANI-KLEAN

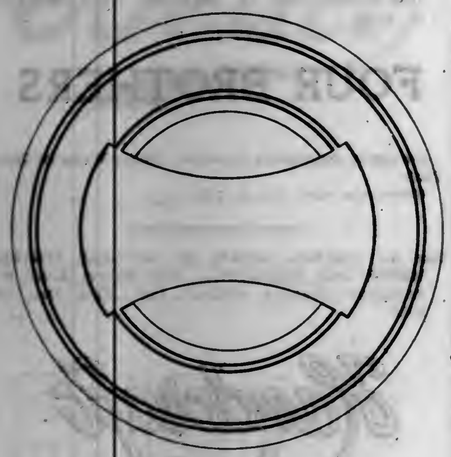
Particular description of goods.—Kitchen and Table Knives and Forks Made of Base Metal.
Claims use since Dec. 1, 1923.

Ser. No. 189,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLANTIC SYRUP REFINING CO., Philadelphia, Pa. Filed Dec. 19, 1923.

SWEET MARIE

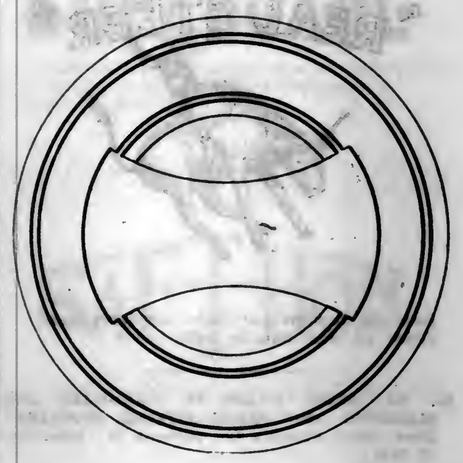
Particular description of goods.—Table Sirup.
Claims use since Dec. 10, 1923.

Ser. No. 189,895. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass. Filed Dec. 19, 1923.



Particular description of goods.—Egg Beaters, Scoops; Cake, Biscuit, and Doughnut Cutters; Coal Sieves, Shovels, and Spoons.
Claims use since Mar. 15, 1920.

Ser. No. 189,896. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DOVER STAMPING & MANUFACTURING COMPANY, Cambridge, Mass. Filed Dec. 19, 1923.



Particular description of goods.—Measuring Containers and Measures for Liquids.
Claims use since Mar. 15, 1920.

Ser. No. 189,890. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GOLDSMITH & CO., INC., New York, N. Y. Filed Dec. 19, 1923.



No claim is made to the words "Pure American Turpentine," "New York," and "Registered Trade Mark" apart from the mark shown on the drawing.
Particular description of goods.—Turpentine.
Claims use since Aug. 1, 1923.

Ser. No. 189,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. K. JELKS & SON, Quitman, Ga. Filed Dec. 19, 1923.

PRIMROSE
BRAND



The word "Brand" is disclaimed apart from the trademark shown in the drawing.
Particular description of goods.—Salted Peanuts, Peanut Butter, and Peanut-Butter Sandwiches.
Claims use since March, 1921.

Ser. No. 189,917. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SALVO MANUFACTURING COMPANY, San Jose, Calif. Filed Dec. 19, 1923.

SALVO

Particular description of goods.—Mechanics' Soap.
Claims use since Jan. 15, 1923.

Ser. No. 189,997. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HARRY A. YERKES, New York, N. Y. Filed Dec. 21, 1923.



Particular description of goods.—Phonograph Records.
Claims use since about May, 1921.

Ser. No. 190,006. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Dec. 22, 1923.

Rivulay

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece, Comprised in Whole or in Part of Silk.
Claims use since Dec. 14, 1923.

Ser. No. 190,011. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELCO PAINT PRODUCTS, INC., New York, N. Y. Filed Dec. 22, 1923.

A MARK OF QUALITY
ELCO

The words "A Mark of Quality" are disclaimed apart from the remainder of the mark shown in the drawing.
Particular description of goods.—Paint Enamels, Flat White, Varnishes, Color in Oil, Prepared Shellac, Putty, and Bronze Powders.
Claims use since Jan. 1, 1923.

Ser. No. 190,026. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NORTH ABINGTON MACHINE COMPANY, North Abington, Mass. Filed Dec. 22, 1923.

NAMCO

Particular description of goods.—Eyeleting Machines.
Claims use since June 1, 1923.

Ser. No. 190,034. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOMERVILLE MACHINE & FOUNDRY CO., Somerville, Mass. Filed Dec. 22, 1923.

LILY

Particular description of goods.—Fruit Crushers.
Claims use since 1911.

Ser. No. 190,056. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEACH COMPANY, Oshkosh, Wis. Filed Dec. 24, 1923.



Particular description of goods.—Concrete Mixers, Paving Mixers, Portable Saw Rigs, Portable Power Pumps, and Back Fillers.
Claims use since 1914.

Ser. No. 190,067. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOUIS SCHWAB, doing business as Stevens & Co., New York, N. Y. Filed Dec. 24, 1923.

SPINTITE

"Spintite."
Particular description of goods.—Mechanics' Tools for Engaging and Turning Nuts, Bolt Heads, and the Like, Particularly Socket Wrenches and Other Wrenches.
Claims use since Sept. 15, 1923.

Ser. No. 190,074. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WARNER-PATTERSON COMPANY, Chicago, Ill. Filed Dec. 24, 1923.

OILGAT

Particular description of goods.—Oil or Grease Ejecting Tools.
Claims use since January, 1923.

Ser. No. 190,101. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

FLOOR BRIGHT

Particular description of goods.—Floor Varnish.
Claims use since Oct. 1, 1908.

Ser. No. 190,140. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WINOLD REISS DECORATING CO. INC., New York, N. Y. Filed Dec. 26, 1923.



Particular description of goods.—Plaques for Decorative Purposes and Reproductions Thereof.
Claims use since Nov. 15, 1923.

Ser. No. 190,148. (CLASS 39. CLOTHING.) THE BIJOU DRESS COMPANY, New York, N. Y. Filed Dec. 27, 1923.

"The House of Lightnin' Values"

Particular description of goods.—Ladies' Dresses, Waists, Coats, Suits, and Wraps.
Claims use since January, 1919.

Ser. No. 190,172. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH V. MILLER, doing business as Miller Glove Co., Massillon, Ohio. Filed Dec. 27, 1923.

SURGEX

Particular description of goods.—Surgeons' Rubber Gloves.
Claims use since Dec. 1, 1922.

Ser. No. 190,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRENTON MILLING COMPANY, Trenton, Ill. Filed Dec. 27, 1923.

FLEECY WHITE

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Dec. 3, 1923.

Ser. No. 190,187. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Dec. 28, 1923.

Diamore

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Nov. 30, 1923.

Ser. No. 190,203. (CLASS 10. FERTILIZERS.) NON-ACID FERTILIZER & CHEMICAL CO., Lakeland, Fla. Filed Dec. 28, 1923.

NAPA

Particular description of goods.—Fertilizers.
Claims use since October, 1922.

Ser. No. 190,204. (CLASS 10. FERTILIZERS.) NON-ACID FERTILIZER & CHEMICAL CO., Lakeland, Fla. Filed Dec. 28, 1923.



The vertical lining in the inner circle indicates a red background. The words "Brand Non-Acid Fertilizer" as such are not claimed apart from the mark as shown in the drawing.
Particular description of goods.—Fertilizers.
Claims use since October, 1922.

Ser. No. 190,209. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROYAL SALES COMPANY, Providence, R. I. Filed Dec. 28, 1923.

Rosaco

Particular description of goods.—Hair Nets.
Claims use since January, 1913.

Ser. No. 190,210. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WALTER R. SCHINDLER, Los Angeles, Calif. Filed Dec. 28, 1923.

HOTKAPS

Particular description of goods.—Seed and Plant Protectors.
Claims use since about January, 1921.

Ser. No. 190,213. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923.

STANOCOLA

Particular description of goods.—Leather Oil, Harness Oil, and Belt Dressing.
Claims use since Dec. 13, 1913.

Ser. No. 190,225. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. R. ARNOLD & CO., New York, N. Y. Filed Dec. 29, 1923.

FRACY

"Fracy."
Particular description of goods.—Soaps.
Claims use since July 14, 1922.

Ser. No. 190,245. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE "LA CHAMPAGNE" LOUIS MÜLLER & CIE. S. A., Bienne, Switzerland. Filed Dec. 29, 1923.

LA CHAMPAGNE

Particular description of goods.—Watches, Parts of Watches, and Watchcases.
Claims use since May 20, 1916.

Ser. No. 190,246. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE "LA CHAMPAGNE" LOUIS MÜLLER & CIE. S. A., Bienne, Switzerland. Filed Dec. 29, 1923.

ASTER

Particular description of goods.—Watches, Parts of Watches, and Watchcases.
Claims use since May 20, 1916.

Ser. No. 190,247. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUE D'HORLOGERIE "LA CHAMPAGNE" LOUIS MÜLLER & CIE. S. A., Bienne, Switzerland. Filed Dec. 29, 1923.

MARS

Particular description of goods.—Watches, Parts of Watches, and Watchcases.
Claims use since May 20, 1916.

Ser. No. 190,251. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Dec. 29, 1923

Kashmirdown

Particular description of goods.—Woolen Piece Goods.
Claims use since Nov. 15, 1923.

Ser. No. 190,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETE ANONYME "BANANIA," Courbevoie, France. Filed Dec. 31, 1923.



BANANIA

Particular description of goods.—Prepared Cereal Flour.
Claims use since February, 1913.

Ser. No. 190,325. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Dec. 31, 1923.

TERRAINE

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Nov. 15, 1923.

Ser. No. 190,335. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GREAT WESTERN GYPSUM CO., Los Angeles, Calif. Filed Jan. 2, 1924.

CRYSTALITE

Particular description of goods.—Dental Cementing Materials—Namely, Dental Plaster, Casting Plaster.
Claims use since August, 1923.

Ser. No. 190,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KLUTE-FLEMING PACKING CO., San Francisco and Manteca, Calif. Filed Jan. 2, 1924.

KLUTOMA

Particular description of goods.—Canned Vegetables.
Claims use since Aug. 2, 1923.

Ser. No. 190,363. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HERBERT G. STRAIN, San Francisco, Calif. Filed Jan. 2, 1924.

"TOGLTONGS"

Particular description of goods.—Pliers for Holding and Guiding Universal Joint of Automobile or Truck in Position When Assembling.
Claims use since Sept. 20, 1923.

Ser. No. 190,372. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) RALPH H. BODMAN, Hyannis, Mass. Filed Jan. 3, 1924.

FISCA

Particular description of goods.—Pearls and Pearl Necklaces.
Claims use since Sept. 1, 1923.

Ser. No. 190,376. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, New York, N. Y. Filed Jan. 3, 1924.

"Chromonica"

Particular description of goods.—Mouth Harmonicas.
Claims use since Dec. 10, 1923.

Ser. No. 190,377. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, New York, N. Y. Filed Jan. 3, 1924.

"Old Standby"

Particular description of goods.—Mouth Harmonicas.
Claims use since Dec. 4, 1923.

Ser. No. 190,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, Detroit, Mich. Filed Jan. 4, 1924.

OVEN-GOLD

Particular description of goods.—Cakes, Cookies, Coffee Cakes, and Bread.
Claims use since about June, 1913.

Ser. No. 190,406. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, Detroit, Mich. Filed Jan. 4, 1924.

HUMDINGER

Particular description of goods.—Cakes, Cookies, Fried Cakes, Coffee Cakes, and Bread.
Claims use since about September, 1923.

Ser. No. 190,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, Detroit, Mich. Filed Jan. 4, 1924.

Fluffi Rich

Particular description of goods.—Bread, Cakes, Fried Cakes, and Coffee Cakes.
Claims use since Sept. 6, 1923.

Ser. No. 190,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, Detroit, Mich. Filed Jan. 4, 1924.

Butter Puff

Particular description of goods.—Bread, Rolls, Cakes, Fried Cakes, and Cookies.
Claims use since Sept. 6, 1923.

Ser. No. 190,421. (CLASS 37. PAPER AND STATIONERY.) THE MARVELLUM COMPANY, Holyoke, Mass. Filed Jan. 4, 1924.

Marvelleather

Particular description of goods.—Cover Paper.
Claims use since Dec. 14, 1923.

Ser. No. 190,450. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JAS. M. DUPIRCH BOTTLING CO., St. Louis, Mo. Filed Jan. 5, 1924.

Barney Google

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since about Dec. 15, 1923.

Ser. No. 190,469. (CLASS 37. PAPER AND STATIONERY.) REESE & REESE, Baltimore, Md. Filed Jan. 5, 1924.

COON-SKIN

Particular description of goods.—Box-Covering Papers, Printing Papers, Writing Papers, Book Papers, Cover Papers, and Wrapping Papers.
Claims use since Nov. 19, 1923.

Ser. No. 190,484. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 7, 1924.



Particular description of goods.—Announcement Paper, Cards, and Mailing Envelopes.
Claims use since Dec. 6, 1923.

Ser. No. 190,485. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 7, 1924.

Old Cairo

Particular description of goods.—Announcement Paper, Cards, and Mailing Envelopes.
Claims use since Dec. 11, 1923.

Ser. No. 190,486. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 7, 1924.

Forest Oak

Particular description of goods.—Announcement Paper, Cards, and Mailing Envelopes.
Claims use since Dec. 12, 1923.

Ser. No. 190,492. (CLASS 37. PAPER AND STATIONERY.) CARBW MANUFACTURING COMPANY, South Hadley Falls, Mass. Filed Jan. 7, 1924.

DEPENDENCE

Particular description of goods.—Writing and Printing Papers and Mailing Envelopes.
Claims use since May 7, 1910.

Ser. No. 190,499. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FAIR TRADING CO., INC., New York, N. Y. Filed Jan. 7, 1924.

LA PALOMA PEARLS

No claim is made to the exclusive use of the word "Pearls" apart from the mark as shown.
Particular description of goods.—Pearls.
Claims use since about Dec. 26, 1923.

Ser. No. 190,500. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANK FOSTER, Kansas City, Mo. Filed Jan. 7, 1924.

RESPO-FUMO

Particular description of goods.—Respirators.
Claims use since July 12, 1923.

Ser. No. 190,518. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHN H. PRANTE, Dallas, Tex. Filed Jan. 7, 1924.

WIMPUS

Particular description of goods.—Surgical Splint.
Claims use since Apr. 26, 1919.

Ser. No. 190,525. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Jan. 7, 1924.

MON-O-POST

Particular description of goods.—Envelopes.
Claims use since July 1, 1923.

Ser. No. 190,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 8, 1924.

Twilleree

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 15, 1923.

Ser. No. 190,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 8, 1924.

Scotleal

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 15, 1923.

Ser. No. 190,539. (CLASS 37. PAPER AND STATIONERY.) EAGLE PENCIL COMPANY, New York, N. Y. Filed Jan. 8, 1924.

MAH-JONGG

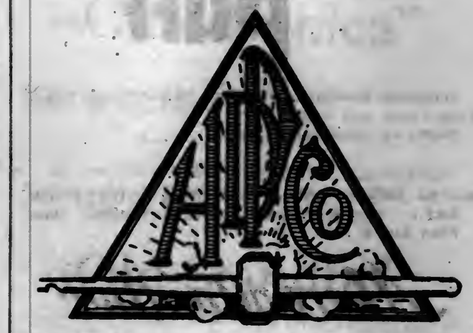
The mark consists of the words "Mah-Jongg."
Particular description of goods.—Lead Pencils.
Claims use since about Dec. 20, 1923.

Ser. No. 190,548. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LASCO SHELLAC COMPANY, Baltimore, Md. Filed Jan. 8, 1924.

ZIK

Particular description of goods.—Stove Finish in the Nature of Liquid Paint.
Claims use since Dec. 5, 1923.

Ser. No. 190,554. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. D. PEAKE COMPANY, INC., New York, N. Y. Filed Jan. 8, 1924.



Particular description of goods.—Cotton Fabrics.
Claims use since Aug. 31, 1923.

Ser. No. 190,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed Jan. 8, 1924.

CASARAY

Particular description of goods.—Cashmere Cloth Made of Cashmere and Worsted.
Claims use since Oct. 20, 1923.

Ser. No. 190,568. (CLASS 37. PAPER AND STATIONERY.) THE CHAS. E. BEDAUX COMPANY, New York, N. Y. Filed Jan. 9, 1924.



Particular description of goods.—Graph Paper.
Claims use since Sept. 25, 1923.

Ser. No. 190,570. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 9, 1924.

Braidera

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 20, 1923.

Ser. No. 190,571. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 9, 1924.

Hetherlain

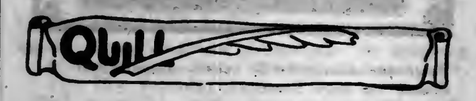
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 15, 1923.

Ser. No. 190,572. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 9, 1924.

Grimalka

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 15, 1923.

Ser. No. 190,580. (CLASS 37. PAPER AND STATIONERY.) THE DIEM & WING PAPER CO., Cincinnati, Ohio. Filed Jan. 9, 1924.



Particular description of goods.—Ledger Paper.
Claims use since Dec. 1, 1923.

Ser. No. 190,587. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HART & CO., Elmira, N. Y. Filed Jan. 9, 1924.

KLUTCH

Particular description of goods.—Preparations for Holding False Teeth in Place.
Claims use since Oct. 8, 1923.

Ser. No. 190,627. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEROME E. BAUM, doing business as Dermay Co., New York, N. Y. Filed Jan. 10, 1924.

Dermay

Particular description of goods.—Perfumes, Face Powders, Powder Compacts, Face Creams, Rouge Compacts, Rouge Creams, Lip Sticks, Eyebrow Pencils, Toilet Waters, and Hair Tonics.
Claims use since Apr. 15, 1923.

Ser. No. 190,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Filed Jan. 10, 1924.

QUEEN ANNE

Particular description of goods.—Canned Sardines.
Claims use since Dec. 21, 1923.

Ser. No. 190,677. (CLASS 37. PAPER AND STATIONERY.) CAPITAL PAPER COMPANY, Indianapolis, Ind. Filed Jan. 11, 1924.



Particular description of goods.—Toilet Paper.
Claims use since November, 1920.

Ser. No. 190,734. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARMAC PRODUCTS CO. Washington, D. C. Filed Jan. 12, 1924.



Particular description of goods.—Stove Paste and Polish.
Claims use since Jan. 1, 1924.

Ser. No. 190,819. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Jan. 14, 1924.

FLAVILLA

Particular description of goods.—Flavorings for Beverages.
Claims use since Oct. 17, 1923.

Ser. No. 190,840. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JEWEL WATCH CO., INC., New York, N. Y. Filed Jan. 15, 1924.



Particular description of goods.—Watchcases and Watch Movements.
Claims use since about Feb. 1, 1923.

Ser. No. 190,928. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) W. M. JENKINS, Pittsburgh, Pa. Filed Jan. 17, 1924.



Particular description of goods.—Oil Burner.
Claims use since Jan. 8, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

FEBRUARY 26, 1924.

180,144. DIESEL ENGINES. UNION GAS ENGINE CO., Oakland, Calif.
Filed August 23, 1923. Serial No. 184,923. PUBLISHED DECEMBER 11, 1923.

180,145. GANISTER. KEYSTONE REFRACTORIES COMPANY, Jersey City, N. J.
Filed August 24, 1923. Serial No. 184,944. PUBLISHED DECEMBER 11, 1923.

180,146. BARRETTES MADE OF OR PLATED WITH PRECIOUS METAL. THE HAYES-MEDBOLD MFG. CO., INC., Milford, Conn.
Filed August 25, 1923. Serial No. 184,968. PUBLISHED NOVEMBER 20, 1923.

180,147. TOILET PREPARATIONS. PERCY E. PAGE, New York, N. Y.
Filed August 25, 1923. Serial No. 184,982. PUBLISHED DECEMBER 4, 1923.

180,148. INSECTICIDES. CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa.
Filed August 22, 1923. Serial No. 184,885. PUBLISHED DECEMBER 4, 1923.

180,149. INSECTICIDES. CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa.
Filed August 22, 1923. Serial No. 184,887. PUBLISHED DECEMBER 4, 1923.

180,150. INSECTICIDES. CHARLES A. B. ZOOK, doing business as F. & I. Tobacco Products Company, Lancaster, Pa.
Filed August 22, 1923. Serial No. 184,888. PUBLISHED DECEMBER 4, 1923.

180,151. FACE POWDER. FRIEDRICH-FRIEDRICH CO., Inc., Philadelphia, Pa.
Filed August 22, 1923. Serial No. 184,819. PUBLISHED DECEMBER 4, 1923.

180,152. SKIN LOTION. DANIEL G. ISRAEL, doing business as Peerless Chemical Co., Secaucus, N. J.
Filed August 22, 1923. Serial No. 184,860. PUBLISHED DECEMBER 4, 1923.

180,153. FACE LOTION. E. J. JAHN COMPANY, doing business as Herr's Laboratories, Limited, Detroit, Mich.
Filed August 22, 1923. Serial No. 184,861. PUBLISHED DECEMBER 4, 1923.

180,154. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,747. PUBLISHED NOVEMBER 20, 1923.

180,155. BATH SALTS. LILLIAN S. THOMAS, doing business as Froidevaux Cie., New York, N. Y.
Filed August 17, 1923. Serial No. 184,628. PUBLISHED DECEMBER 4, 1923.

180,156. PHONOGRAPHS. WIZARD PHONOGRAPH COMPANY, Chicago, Ill.
Filed July 9, 1923. Serial No. 184,630. PUBLISHED DECEMBER 4, 1923.

180,157. LIQUID CORN REMEDY. JAMES D. ZEMP, Camden, S. C.
Filed August 18, 1923. Serial No. 184,702. PUBLISHED DECEMBER 4, 1923.

180,158. DYESTUFFS. GEIGY COMPANY, INC., New York, N. Y.
Filed August 20, 1923. Serial No. 184,721. PUBLISHED DECEMBER 4, 1923.

180,159. GERMICIDE AND WORM REMEDY FOR STOCK. CHARLES HOEPFNER, doing business as Charles Hoepfner & Co., Chicago, Ill.
Filed August 20, 1923. Serial No. 184,729. PUBLISHED DECEMBER 4, 1923.

180,160. COLOR-STRIPPING OR DYE-REMOVING COMPOUND. JOHN CAMPBELL & CO., New York, N. Y.
Filed August 17, 1923. Serial No. 184,590. PUBLISHED DECEMBER 4, 1923.

180,161. PREPARATION INTENDED TO REMOVE SUPERFLUOUS FAT. MODERN PHARMACAL CO., INC., New York, N. Y.
Filed August 17, 1923. Serial No. 184,616. PUBLISHED DECEMBER 4, 1923.

180,162. GLAND-INVIGORATOR TREATMENTS. OLIVER S. SCHMIDT, doing business as Vitans Laboratories, San Francisco, Calif.
Filed August 17, 1923. Serial No. 184,623. PUBLISHED DECEMBER 4, 1923.

180,163. HAIR-RESTORER COMPOUNDS. JESSIE CHILDERS, doing business as Hegarty & Childers, Springfield, Ill.
Filed August 27, 1923. Serial No. 185,004. PUBLISHED DECEMBER 4, 1923.

180,164. TOOTH PASTE. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed August 27, 1923. Serial No. 185,044. PUBLISHED DECEMBER 4, 1923.

180,165. HAIR GROWER AND SCALP MASSAGE. JOSEPH CARROZZA, Philadelphia, Pa.
Filed August 28, 1923. Serial No. 185,073. PUBLISHED DECEMBER 4, 1923.

180,166. PREPARATIONS FOR GERMICIDAL, INSECTICIDAL, AND DEODORANT PURPOSES AND FOR EXTERMINATING COCKROACHES, BEDBUGS, MOTHS, ANTS, FLIES, AND OTHER VERMIN. GEORGE T. WILSON, doing business as Dew-On Company, Cleveland, Ohio.
Filed September 1, 1923. Serial No. 185,277. PUBLISHED NOVEMBER 27, 1923.

180,167. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, ROUGE, SACHET, AND BRILLIANTINE. GEORGE W. BUTTON CORPORATION, New York, N. Y.
Filed August 14, 1923. Serial No. 184,434. PUBLISHED NOVEMBER 27, 1923.

180,168. ASPIRIN TABLETS. JAMES T. NOELL, Alexandria, Va.
Filed August 14, 1923. Serial No. 184,478. PUBLISHED NOVEMBER 27, 1923.

180,169. ELECTRICALLY-OPERATED AUDIBLE AND VISIBLE SIGNALS TO BE ATTACHED TO AUTOMOBILES AND SIMILAR VEHICLES. HERMAN LEISER, doing business as Herman Leiser Co., New Orleans, La.
Filed August 25, 1923. Serial No. 184,975. PUBLISHED DECEMBER 4, 1923.

180,170. BRILLIANTINE. MARINELLO COMPANY, La Crosse, Wis.
Filed August 25, 1923. Serial No. 184,979. PUBLISHED DECEMBER 4, 1923.

180,171. PERFUMES, TOILET WATER, FACE POWDERS, FACE CREAMS, AND ROUGE. LOUIS PHILIPPE, New York, N. Y.
Filed August 4, 1923. Serial No. 184,096. PUBLISHED NOVEMBER 27, 1923.

180,172. CERTAIN NAMED TOILET PREPARATIONS. PALMERS, LIMITED, Montreal, Quebec, Canada.
Filed August 10, 1923. Serial No. 184,292. PUBLISHED NOVEMBER 27, 1923.

180,173. PREPARATION FOR POLISHING AND DYEING MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND LEATHER ARTICLES. LOUIS F. CHRISTMAN, doing business as L. F. Christman Co., Jackson, Tenn.
Filed August 13, 1923. Serial No. 184,382. PUBLISHED NOVEMBER 27, 1923.

180,174. BAKING POWDER AND CREAM OF TARTAR. REID, MURDOCH & CO., Chicago, Ill.
Filed August 13, 1923. Serial No. 184,422. PUBLISHED NOVEMBER 27, 1923.

180,175. INSECTICIDE. ISAIAH D. RUSSELL, doing business as I. D. Russell Company, Kansas City, Mo.
Filed August 13, 1923. Serial No. 184,424. PUBLISHED NOVEMBER 27, 1923.

180,176. ANTISEPTIC SOLUTION USED AS A MEDICINE. MINERVA VAVRA, doing business as M. Vavra Drug Co., Chicago, Ill.
Filed June 29, 1923. Serial No. 182,629. PUBLISHED DECEMBER 4, 1923.

180,177. MEDICINAL CAPSULE FOR THE TREATMENT OF FEMALE DISORDERS. NATHAN P. STECKLER, doing business as Menstruol Laboratories, New York, N. Y.
Filed June 30, 1923. Serial No. 182,682. PUBLISHED DECEMBER 4, 1923.

180,178. CHOCOLATE CANDY. MUELLER-KELLER CANDY COMPANY, St. Joseph, Mo.
Filed July 9, 1923. Serial No. 182,986. PUBLISHED NOVEMBER 27, 1923.

180,179. LIVER TABLET. THOMAS E. SMITH, doing business as T. E. Smith Medicine Co., Houston, Tex.
Filed June 4, 1923. Serial No. 181,541. PUBLISHED NOVEMBER 20, 1923.

180,180. DYES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed October 24, 1921. Serial No. 154,506. PUBLISHED NOVEMBER 27, 1923.

180,181. COLD TABLETS. CARL R. BIRCHFIEL, doing business as Easy-Go-Lax Relief Co., Maryville, Tenn.
Filed July 20, 1922. Serial No. 167,377. PUBLISHED NOVEMBER 27, 1923.

180,182. PREPARATION FOR TREATMENT OF INDIGESTION. Dr. RUDOLF ARCULARIUS, doing business as Arcula, Chemische Fabrik, Rostock, Germany.
Filed February 8, 1923. Serial No. 175,697. PUBLISHED DECEMBER 4, 1923.

180,183. MEDICINE, PARTICULARLY FOR RHEUMATISM. THE BLACKBURN PRODUCTS COMPANY, Dayton, Ohio.
Filed June 2, 1923. Serial No. 181,473. PUBLISHED NOVEMBER 27, 1923.

180,184. COLD CREAM. BONDED PRODUCTS CORPORATION, New York, N. Y.
Filed August 17, 1923. Serial No. 184,585. PUBLISHED DECEMBER 4, 1923.

180,185. COLD CREAM. BONDED PRODUCTS CORPORATION, New York, N. Y.
Filed August 17, 1923. Serial No. 184,586. PUBLISHED DECEMBER 4, 1923.

180,186. FLAVORING EXTRACTS—NAMELY, VANILLA, LEMON, ALMOND, BANANA, PEACH, CHERRY, ETC., USED AS FLAVORING FOR FOODS. CALIFORNIA LABORATORIES, INC., Los Angeles, Calif.
Filed August 17, 1923. Serial No. 184,588. PUBLISHED DECEMBER 11, 1923.

180,187. COLOR-STRIPPING OR DYE-REMOVING COMPOUND. JOHN CAMPBELL & CO., New York, N. Y.
Filed August 17, 1923. Serial No. 184,589. PUBLISHED DECEMBER 4, 1923.

180,188. HAIR GROWERS, TEMPLE GROWER, AND PRESSING OIL. MAGGIE TAYLOR GLENN, Albuquerque, N. Mex.
Filed August 16, 1923. Serial No. 184,548. PUBLISHED DECEMBER 4, 1923.

180,189. MEN'S AND BOYS' WORK SHIRTS. LANDAUER & CO. INC., Milwaukee, Wis.
Filed August 16, 1923. Serial No. 184,552. PUBLISHED NOVEMBER 13, 1923.

180,190. PAINT AND VARNISH MONTHLY PUBLICATION. THE NATIONAL SAVE THE SURFACE CAMPAIGN COMMITTEE, doing business as Save The Surface Campaign, Philadelphia, Pa.
Filed August 16, 1923. Serial No. 184,560. PUBLISHED DECEMBER 11, 1923.

180,191. COMPLEXION CLAY. WONDERLITE PRODUCTS COMPANY, Casper, Wyo.
Filed August 14, 1923. Serial No. 184,484. PUBLISHED DECEMBER 4, 1923.

180,192. OINTMENT FOR HEMORRHOIDS. ALPHONSE MALCUIT, Pittsfield, Mass.
Filed August 15, 1923. Serial No. 184,507. PUBLISHED DECEMBER 4, 1923.

180,193. MEDICINE FOR CERTAIN NAMED DISEASES. GERTRUDE CLAIRE O'NEIL, doing business as O'Neil's Pharmacy, Taunton, Mass.
Filed August 15, 1923. Serial No. 184,511. PUBLISHED DECEMBER 4, 1923.

180,194. FINGER RINGS, BAR PINS, SCARF PINS, BRACELETS, SAUTOIRS, WATCH CHAINS, GEM SETTINGS, ETC. KATZ & OGUSH, INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,168. PUBLISHED NOVEMBER 20, 1923.

180,195. FINGER RINGS, BAR PINS, SCARF PINS, EARRINGS. BASKIN BROTHERS, New York, N. Y.
Filed August 9, 1923. Serial No. 184,230. PUBLISHED NOVEMBER 20, 1923.

180,196. WATCHCASES. AARON KAMION, doing business as A. Kamion, New York, N. Y.
Filed August 10, 1923. Serial No. 184,314. PUBLISHED NOVEMBER 20, 1923.

180,197. SWINGING SHELF TO BE ATTACHED TO A DESK OR THE LIKE AND USED AS A TYPEWRITER SUPPORT OR FOR SIMILAR PURPOSES. AMERICAN WRITING MACHINE COMPANY, Ilion, N. Y., and Newark, N. J.
Filed August 2, 1923. Serial No. 183,956. PUBLISHED DECEMBER 4, 1923.

180,198. KNITTED SPORT COATS. RECREATION DISTRIBUTING CO., New York, N. Y.
Filed August 2, 1923. Serial No. 183,992. PUBLISHED DECEMBER 11, 1923.

180,199. WATCHES. LEO R. STRAUS, New York, N. Y.
Filed August 2, 1923. Serial No. 183,997. PUBLISHED NOVEMBER 20, 1923.

180,200. SHEET MUSIC. FORSTER MUSIC PUBLISHER, INC., Chicago, Ill.
Filed July 30, 1923. Serial No. 183,828. PUBLISHED DECEMBER 11, 1923.

180,201. AUTOMOBILE ACCESSORIES—NAMELY, WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. HAINES MANUFACTURING CORPORATION, Rochester, N. Y.
Filed August 1, 1923. Serial No. 183,925. PUBLISHED OCTOBER 30, 1923.

180,202. WATCHCASES AND WATCH MOVEMENTS. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed July 26, 1923. Serial No. 183,706. PUBLISHED DECEMBER 4, 1923.

180,203. DISINFECTANTS, DEODORANTS, CLEANERS, VERMICIDES, GERMICIDES, FUNGICIDES, AND INSECTICIDES. PHENO-BANE PRODUCTS CO., Sand Springs, Okla., and St. Louis, Mo., assignor to Pheno-Bane Products Company, St. Louis, Mo., a Corporation of Missouri.
Filed July 26, 1923. Serial No. 183,720. PUBLISHED DECEMBER 4, 1923.

180,204. WASHING MACHINES AND WRINGERS. G. F. MITCHELL & SON, Cleveland, Ohio.
Filed July 27, 1923. Serial No. 183,754. PUBLISHED DECEMBER 4, 1923.

180,205. CAT WHISKERS. FOOTE MINERAL CO., Philadelphia, Pa.
Filed September 15, 1923. Serial No. 185,828. PUBLISHED NOVEMBER 13, 1923.

180,206. DETECTOR CRYSTALS. FOOTE MINERAL CO., Philadelphia, Pa.
Filed September 15, 1923. Serial No. 185,822. PUBLISHED NOVEMBER 13, 1923.

180,207. CHEMICAL PREPARATIONS USED FOR PURPOSES OF DEODORIZING AND DISINFECTING. WILLIAM JOHN HOWELL, Allentown, Pa.
Filed September 1, 1923. Serial No. 185,252. PUBLISHED NOVEMBER 27, 1923.

180,208. ELECTRIC RECTIFIERS AND RHEOSTATS. THE AUTOMATIC ELECTRICAL DEVICES COMPANY, Cincinnati, Ohio.
Filed September 7, 1923. Serial No. 185,403. PUBLISHED NOVEMBER 13, 1923.

180,209. VARIABLE CONDENSERS. THE FETT & KIMMEL CO., Bluffton, Ohio.
Filed August 11, 1923. Serial No. 184,330. PUBLISHED NOVEMBER 13, 1923.

180,210. ELECTRIC COOKERS. THE EXCEL ELECTRIC CO., Muncie, Ind.
Filed August 20, 1923. Serial No. 184,716. PUBLISHED NOVEMBER 20, 1923.

180,211. A SWITCH FOR DIMMING THE ELECTRIC HEADLIGHTS OF AUTOMOBILES AND MOTOR CYCLES. MURREL O. DEVERS, doing business as Dim-Brite Manufacturing Company, Dayton, Ohio.
Filed September 1, 1923. Serial No. 185,247. PUBLISHED NOVEMBER 20, 1923.

180,212. CERTAIN NAMED TOILET PREPARATIONS. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y.
Filed August 7, 1923. Serial No. 184,183. PUBLISHED NOVEMBER 27, 1923.

180,218. TRANSFORMERS. MARLE ENGINEERING COMPANY, Orange, N. J.
Filed August 9, 1923. Serial No. 184,252. PUBLISHED NOVEMBER 13, 1923.

180,214. INSECTICIDES. BOLL WEEVIL DESTROYER CO., College Park, Ga.
Filed August 11, 1923. Serial No. 184,322. PUBLISHED NOVEMBER 27, 1923.

180,215. MEDICINE FOR TREATMENT OF SYPHILIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 7, 1923. Serial No. 184,181. PUBLISHED NOVEMBER 27, 1923.

180,216. ALTERATIVES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 7, 1923. Serial No. 184,180. PUBLISHED NOVEMBER 27, 1923.

180,217. ANTISEPTICS AND GERMICIDES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed August 7, 1923. Serial No. 184,182. PUBLISHED NOVEMBER 27, 1923.

180,218. COMPOUND FOR TREATING EYELASHES AND EYELIDS. JOSEPH B. GATTAS, doing business as Gattas & Co., Chicago, Ill.
Filed August 6, 1923. Serial No. 184,130. PUBLISHED NOVEMBER 27, 1923.

180,219. INSECTICIDE PREPARATION. B. HELLER & COMPANY, Chicago, Ill.
Filed August 6, 1923. Serial No. 184,131. PUBLISHED NOVEMBER 27, 1923.

180,220. LINIMENT AND PREPARATION FOR INCREASING GROWTH OF THE HAIR. PHILMORE H. COLBURN, West Springfield, Mass.
Filed August 7, 1923. Serial No. 184,161. PUBLISHED NOVEMBER 27, 1923.

180,221. PREPARATION FOR EXTERMINATING VERMIN. MARTIN MAILLARD, Springfield, Mass.
Filed August 3, 1923. Serial No. 184,033. PUBLISHED NOVEMBER 27, 1923.

180,222. ANTI-HOG-CHOLERA SERUM. ANCHOR SERUM COMPANY, South St. Joseph, Mo.
Filed August 4, 1923. Serial No. 184,053. PUBLISHED NOVEMBER 27, 1923.

180,223. LAXATIVE HERBAL COMPOUND. BERNARD E. SHERMAN, doing business as Vital Food Company of California, Los Angeles, Calif., assignor to Rose Wilke, Los Angeles, Calif.
Filed August 4, 1923. Serial No. 184,106. PUBLISHED NOVEMBER 27, 1923.

180,224. TOILET CREAMS. DAKIN LABORATORIES, Buffalo, N. Y.
Filed August 23, 1923. Serial No. 184,896. PUBLISHED DECEMBER 4, 1923.

180,225. ELECTRIC STORAGE BATTERIES AND PARTS THEREOF. BLUE RIBBON BATTERY COMPANY, Indianapolis, Ind.
Filed April 25, 1923. Serial No. 179,652. PUBLISHED NOVEMBER 20, 1923.

180,226. CERTAIN NAMED TOILET PREPARATIONS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,101. PUBLISHED NOVEMBER 20, 1923.

180,227. GREASELESS COLD CREAM AND HAIR DRESSING. GRAVES BROS., Petersburg, Va.
Filed April 16, 1923. Serial No. 179,198. PUBLISHED NOVEMBER 20, 1923.

180,228. HAIR PREPARATIONS TO BE USED ON THE HAIR AND SCALP OF HUMAN BEINGS. MARY E. THOMPSON, Cleveland, Ohio.
Filed March 10, 1923. Serial No. 177,246. PUBLISHED NOVEMBER 20, 1923.

180,229. GLYCERIN AND ROSE WATER, SWEET SPIRITS OF NITER, AND TURPENTINE FOR MEDICINAL PURPOSES. WARREN P. RASH CO., INC., Middlesboro, Ky.
Filed March 17, 1923. Serial No. 177,620. PUBLISHED NOVEMBER 27, 1923.

180,230. A CERTAIN NAMED CHEMICAL PREPARATION. HUGHES AND HANCOCK, Milford Haven, Pembrokeshire, Wales.
Filed April 6, 1923. Serial No. 178,667. PUBLISHED NOVEMBER 20, 1923.

180,231. LIQUID CARBON REMOVER FOR GASOLINE MOTORS. NATIONAL COMPOUND CO., INC., Boston, Mass.
Filed April 18, 1923. Serial No. 179,312. PUBLISHED NOVEMBER 20, 1923.

180,232. RADIO RECEIVING SETS. GLOBE ART MFG. CO., Newark, N. J.
Filed August 10, 1922. Serial No. 168,034. PUBLISHED NOVEMBER 20, 1923.

180,233. MEDICINAL PREPARATION TO BE USED EXTERNALLY AS AN EMOLLIENT AND AS A LOTION. THE FLUENZOL PROPRIETARY, LTD., Wellington, New Zealand, and New York, N. Y.
Filed September 25, 1922. Serial No. 169,896. PUBLISHED DECEMBER 4, 1923.

180,234. CERTAIN NAMED ELECTRICAL APPARATUS. MANUEL R. RODRIGUES, Brooklyn, N. Y.
Filed November 16, 1922. Serial No. 172,123. PUBLISHED NOVEMBER 20, 1923.

180,235. ELECTRIC LAMPS COMPLETE WITH PARCHMENT SHADES. PARCH-O-LITE CO., Chicago, Ill.
Filed December 30, 1922. Serial No. 174,026. PUBLISHED NOVEMBER 20, 1923.

180,236. RADIO RECEIVING AND TRANSMITTING APPARATUS. CHICAGO RADIO APPARATUS CO. INC., Chicago, Ill.
Filed June 9, 1922. Serial No. 165,227. PUBLISHED NOVEMBER 20, 1923.

180,237. RADIO RECEIVING APPARATUS OF THE SO-CALLED CABINET TYPE. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed June 12, 1922. Serial No. 165,375. PUBLISHED NOVEMBER 20, 1923.

180,238. OINTMENT FOR BURNS, CUTS, INFECTIONS, BOILS, RASH. THE COLUMBUS CHEMICAL COMPANY, Columbus, Ohio.
Filed June 20, 1922. Serial No. 165,745. PUBLISHED DECEMBER 4, 1923.

180,239. RADIO RECEIVING SETS AND PARTS THEREOF. MIGNON ELECTRIC MANUFACTURING CORP., Rochester, N. Y.
Filed July 17, 1922. Serial No. 167,005. PUBLISHED NOVEMBER 20, 1923.

180,240. WIRELESS AND ELECTRICAL EQUIPMENT. TELERADIO ENGINEERING CORPORATION, New York, N. Y.
Filed March 21, 1922. Serial No. 161,016. PUBLISHED AUGUST 29, 1922.

180,241. ELECTRIC OVENS FOR THE TOASTING OF ICE CREAM. TOASTED ALASKAS CORPORATION OF AMERICA, (LIMITED), Wilmington, Del., and Muskogee, Okla.
Filed April 19, 1922. Serial No. 162,592. PUBLISHED NOVEMBER 20, 1923.

180,242. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey.
Filed April 26, 1922. Serial No. 162,929. PUBLISHED NOVEMBER 20, 1923.

180,243. GENERAL TONIC. METROPOLE DRUG COMPANY INC., Pittston, Pa.
Filed August 2, 1921. Serial No. 151,279. PUBLISHED NOVEMBER 20, 1923.

180,244. CERTAIN NAMED ELECTRICAL AND TELEPHONE APPARATUS. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed September 10, 1921. Serial No. 152,785. PUBLISHED NOVEMBER 20, 1923.

180,245. WATCH MOVEMENTS, WATCHCASES THEREFOR. CHAS. SCHWARTZ & SON, Washington, D. C.
Filed August 26, 1922. Serial No. 168,731. PUBLISHED DECEMBER 4, 1923.

180,246. TITLE TO SYNDICATED SCIENTIFIC NEWS ARTICLES AND PUBLICATIONS. SCIENCE SERVICE, INC., Washington, D. C.
Filed September 7, 1923. Serial No. 186,039. PUBLISHED DECEMBER 11, 1923.

180,247. WOMEN'S AND MISSES' DRESSES. CHARLES H. PLUMBRIDGE, doing business as Mary Louise, New York, N. Y.
Filed September 22, 1923. Serial No. 186,070. PUBLISHED DECEMBER 11, 1923.

180,248. SALAD OILS. STROHMEYER & ARPE COMPANY, also doing business as United Pure Food Co., New York, N. Y.
Filed September 22, 1923. Serial No. 186,089. PUBLISHED DECEMBER 11, 1923.

180,249. NAME OF A MONTHLY PUBLICATION. THE NORFOLK POLICE SOCIAL AND RELIEF ASSOCIATION, Norfolk, Va.
Filed September 18, 1923. Serial No. 185,908. PUBLISHED DECEMBER 11, 1923.

180,250. EVAPORATED SKIMMED MILK. VALECIA EVAPORATED MILK CO., Madison, Wis.
Filed September 19, 1923. Serial No. 185,941. PUBLISHED DECEMBER 11, 1923.

180,251. CLOTHES-PRESSING MACHINES. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed September 15, 1923. Serial No. 185,809. PUBLISHED DECEMBER 4, 1923.

180,252. PUBLICATION. PLATT B. WALKER, doing business as Farm Implement Publishing Co., Minneapolis, Minn.
Filed September 17, 1923. Serial No. 185,885. PUBLISHED DECEMBER 11, 1923.

180,253. CERTAIN NAMED PIECE GOODS. LIBERTY LACE AND NETTING WORKS, New York, N. Y.
Filed September 11, 1923. Serial No. 185,663. PUBLISHED DECEMBER 11, 1923.

180,254. NAILS AND STAPLES. GEORGE X. WENDLING, Los Angeles, Calif.
Filed September 11, 1923. Serial No. 185,683. PUBLISHED DECEMBER 11, 1923.

180,255. OLIVE OIL. THE EUROPEAN EXPORT CORPORATION, Washington, D. C.
Filed September 13, 1923. Serial No. 185,748. PUBLISHED DECEMBER 11, 1923.

180,256. STERLING-SILVER FLATWARE AND HOLLOW WARE. THE R. WALLACE & SONS MFG. CO., Wallingford, Conn.
Filed September 5, 1923. Serial No. 185,350. PUBLISHED NOVEMBER 27, 1923.

180,257. PEARLS. PAUL ROTH, doing business as P. Roth & Company, New York, N. Y.
Filed September 6, 1923. Serial No. 185,381. PUBLISHED NOVEMBER 27, 1923.

180,258. COAL. KALAMAZOO ICE & FUEL COMPANY, Kalamazoo, Mich.
Filed September 10, 1923. Serial No. 185,595. PUBLISHED DECEMBER 11, 1923.

180,259. RULING COLORS, EDGE COLORS, MARBLING COLORS, AND MARBLING SIZES. H. BEHLEN & BRO., New York, N. Y.
Filed September 4, 1923. Serial No. 185,285. PUBLISHED DECEMBER 11, 1923.

180,260. WINDOW FASTENERS. ARTHUR C. WHEELOCK, doing business as The Ventlock Company, Oakland, Calif.
Filed August 27, 1923. Serial No. 185,068. PUBLISHED DECEMBER 11, 1923.

180,261. SAFETY RAZORS, SAFETY-RAZOR BLADES, AND PARTS THEREOF. WALTER W. EVERTS, New York, N. Y., assignor to Everts Angle Razor Corporation, New York, N. Y., a Corporation of Delaware.
Filed August 28, 1923. Serial No. 185,078. PUBLISHED DECEMBER 11, 1923.

180,262. SOUND RECORDS FOR PHONOGRAPHS AND TALKING MACHINES. VULCAN RECORD CORPORATION, New York, N. Y.
Filed September 1, 1923. Serial No. 185,271. PUBLISHED NOVEMBER 6, 1923.

180,263. SOUND RECORDS FOR PHONOGRAPHS AND TALKING MACHINES. VULCAN RECORD CORPORATION, New York, N. Y.
Filed September 1, 1923. Serial No. 185,272. PUBLISHED NOVEMBER 20, 1923.

180,264. TANNING EXTRACTS. THE TANNIN CORPORATION, New York, N. Y.
Filed August 25, 1923. Serial No. 184,995. PUBLISHED DECEMBER 4, 1923.

180,265. NATURAL AND SYNTHETIC PRODUCTS USED FOR SCENTING PURPOSES. UNGERER & COMPANY, INC., New York, N. Y.
Filed August 25, 1923. Serial No. 184,998. PUBLISHED DECEMBER 4, 1923.

180,266. SOAP IN POWDERED FORM. E-Z-WAY CO., Oakland, Calif.
Filed July 25, 1923. Serial No. 183,648. PUBLISHED DECEMBER 4, 1923.

180,267. CURRENCY STRAPS OF $250 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,605. PUBLISHED SEPTEMBER 11, 1923.

180,268. CURRENCY STRAPS OF $500 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,606. PUBLISHED SEPTEMBER 11, 1923.

180,269. CURRENCY STRAPS OF $1,000 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,607. PUBLISHED SEPTEMBER 11, 1923.

180,270. CURRENCY STRAPS OF $25 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,601. PUBLISHED SEPTEMBER 11, 1923.

180,271. CURRENCY STRAPS OF $50 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,602. PUBLISHED SEPTEMBER 11, 1923.

180,272. CURRENCY STRAPS OF $100 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,603. PUBLISHED SEPTEMBER 11, 1923.

180,273. CURRENCY STRAPS OF $200 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,604. PUBLISHED SEPTEMBER 11, 1923.

180,274. MEDICINAL TABLETS. TAYLOR GLAND RESEARCH LABORATORIES, INC., Philadelphia, Pa.
Filed July 19, 1923. Serial No. 183,457. PUBLISHED DECEMBER 4, 1923.

180,275. EXPECTORANT. JNO. B. DANIEL INC., Atlanta, Ga.
Filed July 21, 1923. Serial No. 183,518. PUBLISHED DECEMBER 4, 1923.

180,276. SALINE PREPARATION. SALTRATES LIMITED, London, England.
Filed July 23, 1923. Serial No. 183,596. PUBLISHED DECEMBER 4, 1923.

180,277. CURRENCY STRAPS OF $2,000 DENOMINATION. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed July 23, 1923. Serial No. 183,608. PUBLISHED SEPTEMBER 11, 1923.

180,278. SKIN CREAM. GILBERT BROS. & CO., INC., Baltimore, Md.
Filed July 18, 1923. Serial No. 183,375. PUBLISHED DECEMBER 4, 1923.

180,279. TIRE CASINGS. STERLING TIRE CORPORATION, Rutherford, N. J.
Filed July 18, 1923. Serial No. 183,414. PUBLISHED DECEMBER 11, 1923.

180,280. TOOTH PASTE. ALBERT L. GRAHAM, doing business as The Piromir Co., Hastings, Nebr.
Filed July 19, 1923. Serial No. 183,448. PUBLISHED DECEMBER 4, 1923.

180,281. WAVING AND CURLING PREPARATION FOR THE HAIR. GEORGE PAGONIS, doing business as George Pagonis Co., New York, N. Y.
Filed July 16, 1923. Serial No. 183,313. PUBLISHED DECEMBER 4, 1923.

180,282. MEDICINAL TEA FOR MAKING A TONIC BEVERAGE. FRANK FOROWICS, Homestead, Pa.
Filed July 18, 1923. Serial No. 183,370. PUBLISHED DECEMBER 4, 1923.

180,283. CONDITIONING POWDER TO BE ADDED TO HORSE, CATTLE, AND POULTRY FEED. GILBERT BROS. & CO., INC., Baltimore, Md.
Filed July 18, 1923. Serial No. 183,373. PUBLISHED DECEMBER 4, 1923.

180,284. ROUGE. THE ARMAND COMPANY, Des Moines, Iowa.
Filed July 16, 1923. Serial No. 183,244. PUBLISHED DECEMBER 4, 1923.

180,285. SHAMPOO PREPARATIONS. GEORGE PAGONIS, doing business as George Pagonis Co., New York, N. Y.
Filed July 16, 1923. Serial No. 183,312. PUBLISHED DECEMBER 4, 1923.

180,286. INSECTICIDES. MOTH K-L COMPANY, INC., New York, N. Y.
Filed August 26, 1922. Serial No. 168,721. PUBLISHED DECEMBER 4, 1923.

180,287. TALKING MACHINES. LYON & HEALY, Chicago, Ill., assignor to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois.
Filed August 9, 1922. Serial No. 167,990. PUBLISHED DECEMBER 4, 1923.

180,288. TALKING MACHINES, PHONOGRAPHS, PARTS THEREOF, AND SUPPLIES THEREFOR—NAMELY, TALKING-MACHINE RECORDS, RECORD ALBUMS, RECORD ENVELOPES, AND NEEDLES. VOX-SCHALLPLATTEN- UND SPRECHMASCHINEN-AKTIENGESELLSCHAFT, Berlin, Germany.
Filed June 19, 1922. Serial No. 165,733. PUBLISHED NOVEMBER 20, 1923.

180,289. BAKING POWDER, CREAM OF TARTAR, BLUING, AND AMMONIA. OAKFORD & FAHNESTOCK, Peoria, Ill.
Filed September 25, 1922. Serial No. 169,920. PUBLISHED DECEMBER 4, 1923.

180,290. JOURNAL BOXES AND JOURNAL-BOX LIDS FOR RAILWAY CARS AND THE LIKE. ALLEGHENY STEEL COMPANY, Brackenridge, Pa.
Filed September 22, 1922. Serial No. 169,795. PUBLISHED DECEMBER 11, 1923.

180,291. CEREAL BREAKFAST FOODS MANUFACTURED FROM THE WHOLE GRAIN OF SELECTED WHEAT. THE LODI MILL & ELEVATOR CO., Lodi, Ohio, now by change of name The Lodi Cereal Company, Lodi, Ohio, a Corporation of Ohio.
Filed September 16, 1922. Serial No. 169,552. PUBLISHED DECEMBER 11, 1923.

180,292. EXTRACTORS—NAMELY, RIVET CUTTERS, PULLERS, PINCERS, PLIERS, AND TONGS FOR MACHINERY BELTING—AND ALSO BELT CLAMPS FOR HOLDING THE BELT IN POSITION WHILE BEING LACED OR FASTENED. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed September 8, 1922. Serial No. 169,201. PUBLISHED DECEMBER 11, 1923.

180,293. RIVETS, INCLUDING PLAIN, SOLID, SLOTTED, PRONGED, BIFURCATED, OR TUBULAR. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed September 8, 1922. Serial No. 169,200. PUBLISHED DECEMBER 11, 1923.

180,294. ABRASIVE PAPERS OR CLOTHS. H. H. BARTON AND SON CO., INC., Philadelphia, Pa.
Filed September 13, 1922. Serial No. 170,001. PUBLISHED DECEMBER 4, 1923.

180,295. WEEKLY SUPPLEMENT FOR A NEWSPAPER MAGAZINE. THE TRIBUNE COMPANY, Chicago, Ill.
Filed September 27, 1922. Serial No. 169,992. PUBLISHED DECEMBER 11, 1923.

180,296. LARD SUBSTITUTE. WYNNE LARD & PROVISION CO. INC., Norfolk, Va.
Filed October 7, 1922. Serial No. 170,465. PUBLISHED NOVEMBER 20, 1923.

180,297. LARD SUBSTITUTE. WYNNE LARD & PROVISION CO. INC., Norfolk, Va.
Filed October 7, 1922. Serial No. 170,462. PUBLISHED NOVEMBER 20, 1923.

180,298. LARD SUBSTITUTE. WYNNE LARD & PROVISION CO. INC., Norfolk, Va.
Filed October 7, 1922. Serial No. 170,461. PUBLISHED NOVEMBER 27, 1923.

180,299. LARD SUBSTITUTE. WYNNE LARD & PROVISION CO. INC., Norfolk, Va.
Filed October 7, 1922. Serial No. 170,459. PUBLISHED NOVEMBER 20, 1923.

180,300. COMMERCIAL CAB BODIES. MCCREA MFG. CO., Minneapolis, Minn.
Filed December 19, 1922. Serial No. 173,572. PUBLISHED DECEMBER 11, 1923.

180,301. CERTAIN FOODS AND RELISHES. JOANNES BROS. CO., Green Bay, Wis.
Filed December 1, 1922. Serial No. 172,741. PUBLISHED OCTOBER 2, 1923.

180,302. CANDY. STEPHEN F. WHITMAN & SON, Philadelphia, Pa.
Filed October 21, 1922. Serial No. 171,052. PUBLISHED APRIL 3, 1923.

180,303. MEDICINE FOR THE RELIEF OF PAIN. JUDD E. HAMMOND, doing business as Hammond Ironized Aspirin Company, Munday, Tex.
Filed August 7, 1922. Serial No. 167,916. PUBLISHED DECEMBER 4, 1923.

180,304. RUBBER-STAMP PADS AND RUBBER-STAMP-PAD INKS. EMANUEL BAUMGARTEN, doing business as the Royal Velvet Products Company, Washington, D. C.
Filed July 22, 1922. Serial No. 167,223. PUBLISHED NOVEMBER 20, 1923.

180,305. PEARL NECKLACES, BEAD NECKLACES, AND CORDS FOR STRINGING AND RESTRINGING PEARLS OR BEADS. SAMUEL E. PORTER, doing business as S. E. Porter Company, Providence, R. I., assignor to S. E. Porter Co., a firm composed of J. W. W. Holden and Samuel E. Porter, Providence, R. I.
Filed January 11, 1923. Serial No. 174,486. PUBLISHED AUGUST 7, 1923.

180,306. BOTTLE CROWNS. EDWIN M. BLUMENTHAL, doing business as E. M. Blumenthal & Co., Chicago, Ill.
Filed September 24, 1923. Serial No. 186,100. PUBLISHED DECEMBER 11, 1923.

180,307. PIECE GOODS MADE OF SILK. ROBINSON SILK COMPANY, INC., New York and Astoria, N. Y.
Filed September 24, 1923. Serial No. 186,159. PUBLISHED DECEMBER 11, 1923.

180,308. EXPANSION JOINTS FOR PIPE LINES. HOWARD IRON WORKS, Buffalo, N. Y.
Filed September 26, 1923. Serial No. 186,233. PUBLISHED DECEMBER 11, 1923.

180,309. FINGER RINGS. J. R. WOOD & SONS, New York, N. Y.
Filed September 28, 1923. Serial No. 186,344. PUBLISHED DECEMBER 11, 1923.

180,310. CROCKERY, EARTHENWARE, AND PORCELAIN. PORZELLANFABRIK PH. ROSENTHAL & CO., A. G., Berlin, Germany.
Filed September 28, 1923. Serial No. 186,329. PUBLISHED DECEMBER 11, 1923.

180,311. SILK CRÊPES IN THE PIECE. TRAVIS, ROMAINE & JELLS, INC., New York, N. Y.
Filed September 27, 1923. Serial No. 186,305. PUBLISHED DECEMBER 11, 1923.

180,312. MEN'S, WOMEN'S, AND CHILDREN'S HANDKERCHIEFS. SCHMIDT, FITZ-GIBBON CO., INC., New York, N. Y.
Filed October 1, 1923. Serial No. 186,448. PUBLISHED DECEMBER 11, 1923.

180,313. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,377. PUBLISHED DECEMBER 11, 1923.

180,314. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,376. PUBLISHED DECEMBER 11, 1923.

180,315. BLANKETS AND RUGS MADE OF TEXTILE FABRICS. GEORGE BORGFELDT & CO., New York, N. Y.
Filed October 2, 1923. Serial No. 186,462. PUBLISHED DECEMBER 11, 1923.

180,316. BLANKETS AND RUGS MADE OF TEXTILE FABRICS. GEORGE BORGFELDT & CO., New York, N. Y.
Filed October 2, 1823. Serial No. 186,461. PUBLISHED DECEMBER 11, 1923.

180,317. PIANO PLATES. AMERICAN SKEIN & FOUNDRY COMPANY, Racine, Wis.
Filed October 2, 1923. Serial No. 186,454. PUBLISHED DECEMBER 11, 1923.

180,318. CARPETS AND TEXTILE RUGS. A. & M. KARAGHEUSIAN, INC., New York, N. Y.
Filed October 4, 1923. Serial No. 186,554. PUBLISHED DECEMBER 11, 1923.

180,319. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 4, 1923. Serial No. 186,547. PUBLISHED DECEMBER 11, 1923.

180,320. PEARLS. ROSENBERG & CO., INC., New York, N. Y.
Filed October 2, 1923. Serial No. 186,484. PUBLISHED DECEMBER 11, 1923.

180,321. TITLE OF A COLUMN OF ORIGINAL LITERARY REVIEW, CRITICISM, OR COMMENT APPEARING IN THE WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed October 5, 1923. Serial No. 186,613. PUBLISHED DECEMBER 11, 1923.

180,322. CARPETS AND TEXTILE RUGS. A. & M. KARAGHEUSIAN, INC., New York, N. Y.
Filed October 4, 1923. Serial No. 186,555. PUBLISHED DECEMBER 11, 1923.

180,323. CERTAIN TOILET PREPARATIONS. M. V. ANDERSON & COMPANY, Lewiston, Me.
Filed May 22, 1923. Serial No. 180,955. PUBLISHED DECEMBER 4, 1923.

180,324. MATTRESSES. ENTERPRISE MATTRESS COMPANY, Boston, Mass.
Filed May 24, 1923. Serial No. 181,066. PUBLISHED DECEMBER 4, 1923.

180,325. FINGER RINGS. KATZ & OGUSH, INC., New York, N. Y.
Filed May 25, 1923. Serial No. 181,126. PUBLISHED NOVEMBER 27, 1923.

180,326. MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS—NAMELY, SUITS, OVERCOATS, RAINCOATS, CLOAKS, CAPES, AND KNICKERBOCKERS. SHIREK & HIRSCH, New York, N. Y.
Filed May 1, 1923. Serial No. 180,030. PUBLISHED DECEMBER 11, 1923.

180,327. LABORATORY, CHEMICAL, AND SURGICAL GLASSWARE. HIERONSELL BROTHERS, Philadelphia, Pa.
Filed May 15, 1923. Serial No. 180,663. PUBLISHED DECEMBER 11, 1923.

180,328. LYE PRODUCT. JULES PICOT, Paris, France, assignor to Societe Anonyme de la Lessive Phenix, Etablissements J. Picot, Paris, France, a Corporation of France.
Filed May 17, 1923. Serial No. 180,774. PUBLISHED DECEMBER 4, 1923.

180,329. CORDS FOR STRINGING OR RESTRINGING PEARLS OR BEADS. S. E. PORTER CO., Providence, R. I.
Filed April 18, 1923. Serial No. 179,322. PUBLISHED AUGUST 7, 1923.

180,330. CERTAIN TOILET PREPARATIONS. VAN VLEET-MANSFIELD DRUG CO., doing business as La Creole Laboratories, Memphis, Tenn.
Filed April 24, 1923. Serial No. 179,609. PUBLISHED DECEMBER 4, 1923.

180,331. MILK CHOCOLATE, NUTS, AND CARAMEL. THE METRO CHOCOLATE CO., INC., Brooklyn, N. Y.
Filed April 7, 1923. Serial No. 178,762. PUBLISHED NOVEMBER 20, 1923.

180,332. TAPESTRIES, PANELS, CENTERPIECES, AND RUNNERS. ALBERT KLEKNER, doing business as French American Mfg. Co., New York, N. Y.
Filed February 21, 1923. Serial No. 176,410. PUBLISHED DECEMBER 11, 1923.

180,333. HAIR CREAM. THE YOUNGSTOWN BARBER SUPPLY CO., doing business as Silver Bell Chemical Co., Youngstown, Ohio.
Filed March 1, 1923. Serial No. 176,811. PUBLISHED DECEMBER 4, 1923.

180,334. INSECTICIDE SPRAYERS AND PARTS THEREFOR. "FRIEND" MANUFACTURING CO., Gasport, N. Y.
Filed March 2, 1923. Serial No. 176,823. PUBLISHED DECEMBER 11, 1923.

180,335. CANDY. CHASE CANDY CO., St. Joseph, Mo.
Filed March 15, 1923. Serial No. 177,474. PUBLISHED NOVEMBER 20, 1923.

180,336. WASHING MACHINES FOR LAUNDRY PURPOSES. MEADOWS MFG. CO., Bloomington, Ill.
Filed March 26, 1923. Serial No. 178,053. PUBLISHED DECEMBER 11, 1923.

180,337. FINGER RINGS. SCHNEIDER & HYMAN, New York, N. Y.
Filed May 28, 1923. Serial No. 181,316. PUBLISHED NOVEMBER 20, 1923.

180,338. POP-CORN CONFECTION. BARNARDS, Schaller, Iowa.
Filed January 26, 1923. Serial No. 175,121. PUBLISHED NOVEMBER 27, 1923.

180,339. WATCHES. GEORGE J. KELLER, Newark, N. J.
Filed February 2, 1923. Serial No. 175,429. PUBLISHED DECEMBER 4, 1923.

180,340. DRESSED MEATS, POULTRY, GAME, SEA FOOD, FRESH AND CANNED FRUITS AND VEGETABLES. DAVID KLEIN, doing business as St. James Market Samuel Klein & Son, Brooklyn, N. Y.
Filed February 10, 1923. Serial No. 175,872. PUBLISHED SEPTEMBER 11, 1923.

180,341. COLLAR BUTTONS OF SOLID GOLD AND OF ROLLED GOLD PLATE. KEBMENTS & COMPANY, Newark, N. J.
Filed May 26, 1923. Serial No. 181,194. PUBLISHED NOVEMBER 27, 1923.

180,342. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. R. GERLL & CO., INC., New York, N. Y.
Filed May 28, 1923. Serial No. 181,274. PUBLISHED DECEMBER 11, 1923.

180,343. HAIR TONIC. ANNA DE BRÛLE, doing business as A. De Brûle, New York, N. Y.
Filed August 2, 1923. Serial No. 183,961. PUBLISHED NOVEMBER 27, 1923.

180,344. ANTISEPTIC AND HEALING PREPARATION. HAROLD D. CLARK, doing business as Clark Laboratories, San Diego, Calif.
Filed August 2, 1923. Serial No. 183,962. PUBLISHED NOVEMBER 27, 1923.

180,345. INSECTICIDES AND FUNGICIDES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed August 2, 1923. Serial No. 183,967. PUBLISHED NOVEMBER 27, 1923.

180,346. SALVES AND OINTMENTS FOR THE SKIN. ENDAZOIN COMPANY, New York, N. Y.
Filed August 3, 1923. Serial No. 184,026. PUBLISHED NOVEMBER 27, 1923.

180,347. ELECTRIC-LIGHTING FIXTURES AND HANGERS AND ILLUMINATING BOWLS ADAPTED THERETO. BUFFALO CHANDELIER CORPORATION, Buffalo, N. Y.
Filed July 18, 1923. Serial No. 183,357. PUBLISHED NOVEMBER 20, 1923.

180,348. RADIO RECEIVING APPARATUS AND PARTS THEREOF—NAMELY, HEAD PHONES, TUNING COILS, AND RECTIFYING CRYSTAL DETECTORS. PAL RADIO COMPANY, West Hoboken, N. J.
Filed July 21, 1923. Serial No. 183,537. PUBLISHED NOVEMBER 20, 1923.

180,349. ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS, AND COMPENSATORS. THE LOUIS ALLIS COMPANY, Milwaukee, Wis.
Filed July 28, 1923. Serial No. 183,790. PUBLISHED NOVEMBER 13, 1923.

180,350. PLUGS FOR CONNECTING A RADIO RECEIVING SET TO AN ELECTRIC-LIGHT CIRCUIT. U. S. RADIO COMPANY, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,865. PUBLISHED NOVEMBER 20, 1923.

180,351. ARTIFICIAL LOG FOR FIREPLACES AND ELECTRIC LIGHTS AND CONNECTIONS FOR RENDERING THE LOG LUMINOUS AND CAUSING THE SAME TO SIMULATE INCANDESCENCE. WILLIAM E. MARSHALL, Chicago, Ill.
Filed July 9, 1923. Serial No. 182,979. PUBLISHED NOVEMBER 20, 1923.

180,352. RADIO AND TELEPHONE APPARATUS. MOSS-SCHURY MFG. CO., INC., Detroit, Mich.
Filed July 12, 1923. Serial No. 183,119. PUBLISHED NOVEMBER 20, 1923.

180,353. CERTAIN NAMED RADIO APPARATUS. MONTGOMERY B. COHEN, doing business as Radio Equipment Company, Boston, Mass.
Filed July 14, 1923. Serial No. 183,195. PUBLISHED NOVEMBER 20, 1923.

180,354. ELECTRICAL APPARATUS. CITY ELECTRIC COMPANY, Syracuse, N. Y.
Filed June 25, 1923. Serial No. 182,399. PUBLISHED NOVEMBER 20, 1923.

180,355. ELECTRIC HOT PLATES. THE LIBERTY GAUGE AND INSTRUMENT COMPANY, Cleveland, Ohio.
Filed July 2, 1923. Serial No. 182,711. PUBLISHED NOVEMBER 20, 1923.

180,356. ELECTRIC HOT PLATES. THE LIBERTY GAUGE AND INSTRUMENT COMPANY, Cleveland, Ohio.
Filed July 2, 1923. Serial No. 182,712. PUBLISHED NOVEMBER 20, 1923.

180,357. MOTH AND INSECT PREVENTIVE. LAWLOR-MCCORMICK CO., New Brunswick, N. J.
Filed June 12, 1923. Serial No. 181,899. PUBLISHED NOVEMBER 27, 1923.

180,358. ELECTRICAL STARTING, LIGHTING, AND IGNITION APPARATUS AND PARTS THEREOF EMPLOYED WITH INTERNAL-COMBUSTION ENGINES FOR USE ON AUTOMOBILES, MOTOR BOATS, AIRCRAFT, AND THE LIKE. THE DAYTON ENGINEERING LABORATORIES COMPANY, Dayton, Ohio.
Filed June 13, 1923. Serial No. 181,942. PUBLISHED NOVEMBER 20, 1923.

180,359. CERTAIN NAMED TOILET PREPARATIONS. ADOLF D. LANDEMANN & SON, New York, N. Y.
Filed June 13, 1923. Serial No. 181,951. PUBLISHED NOVEMBER 20, 1923.

180,360. HALOGEN-BEARING FOOD FOR THE THYROID GLAND. THYRO-LOGEN LABORATORIES, INC., Los Angeles, Calif.
Filed June 5, 1923. Serial No. 181,576. PUBLISHED NOVEMBER 20, 1923.

180,361. INSECTICIDE. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed June 11, 1923. Serial No. 181,872. PUBLISHED NOVEMBER 27, 1923.

180,362. PORTABLE ELECTRIC LAMPS. THE GERIST MANUFACTURING CO., New Haven, Conn.
Filed May 22, 1923. Serial No. 180,978. PUBLISHED NOVEMBER 20, 1923.

180,363. A MEDICINAL POWDER FOR EXTERNAL USE. WALTER S. POLLARD, Hot Springs, Ark.
Filed May 3, 1923. Serial No. 180,140. PUBLISHED NOVEMBER 20, 1923.

180,364. PHONOGRAPHS. BRISTOL & BARBER CO., INC., New York, N. Y.
Filed May 2, 1922. Serial No. 163,213. PUBLISHED NOVEMBER 13, 1923.

180,365. STEAM BOILERS, STEAM CONDENSERS, HOT-AIR AND HOT-WATER FURNACES, ETC. MANNESMANNRÖHREN-WERKE, Dusseldorf, Germany.
Filed May 11, 1922. Serial No. 163,695. PUBLISHED DECEMBER 11, 1923.

180,366. FLAVORING EXTRACTS FOR FOODS. JOSEPH BURNETT CO., Boston, Mass.
Filed June 1, 1922. Serial No. 164,746. PUBLISHED NOVEMBER 20, 1923.

180,367. CENTRIFUGAL PUMPS, HYDRAULIC PUMPS, ATOMIZERS FOR VAPOR CONDUITS, CARBURETORS, INJECTORS, EJECTORS, OIL CUPS, GREASE CUPS, PRIMING CUPS, AND LUBRICATORS. PENBERTHY INJECTOR COMPANY, Detroit, Mich.
Filed March 22, 1922. Serial No. 161,061. PUBLISHED DECEMBER 11, 1923.

180,368. ELECTRICAL SWITCHES. THE HART & HEGEMAN MANUFACTURING COMPANY, Hartford, Conn.
Filed April 4, 1922. Serial No. 161,728. PUBLISHED JULY 24, 1923.

180,369. ALIMENTARY PASTE—NAMELY, NOODLES. WEITZ & LEVYT, New York, N. Y.
Filed April 8, 1922. Serial No. 161,949. PUBLISHED APRIL 3, 1923.

180,370. CANDY OF VARIOUS KINDS. VESS JONES, New York, N. Y.
Filed March 3, 1922. Serial No. 160,136. PUBLISHED SEPTEMBER 18, 1922.

180,371. CERTAIN NAMED TOILET PREPARATIONS. LOESSER MANUFACTURING COMPANY, Montclair, N. J., assignor to E. J. Reefer and Marguerite Sullivan, Philadelphia, Pa., co-partners in business.
Filed February 10, 1922. Serial No. 159,159. PUBLISHED OCTOBER 17, 1922.

180,372. WIRELESS OR RADIO TELEPHONES AND WIRELESS OR RADIO TELEPHONE SYSTEMS. A. W. BOWMAN & COMPANY, Cambridge, Mass.
Filed February 4, 1922. Serial No. 158,853. PUBLISHED MARCH 28, 1922.

180,373. WATCHCASES. HELBROS-STONE COMPANY, INC., New York, N. Y.
Filed December 16, 1921. Serial No. 156,791. PUBLISHED NOVEMBER 20, 1923.

180,374. MEN'S AND BOYS' WORK SHIRTS, FLANNEL SHIRTS, AND PANTS. ROUSE, HEMPSTONE & CO., INC., Baltimore, Md.
Filed January 25, 1922. Serial No. 158,451. PUBLISHED JULY 17, 1923.

180,375. STUFFED TOY DOGS. DAVIS & VOEGTSCH, New York, N. Y.
Filed April 25, 1921. Serial No. 146,695. PUBLISHED MAY 24, 1921.

180,376. COFFEE AND TEA. INTERNATIONAL COFFEE CO., Houston, Tex.
Filed November 8, 1921. Serial No. 155,175. PUBLISHED JUNE 6, 1922.

180,377. CEREAL FOOD DRINK. JACOB L. SHROYER, doing business as Grainola Mfg. Co., Chicago, Ill.
Filed November 30, 1921. Serial No. 156,117. PUBLISHED NOVEMBER 13, 1923.

180,378. MALT-SUGAR SIRUP FOR FOOD PURPOSES. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo.
Filed August 12, 1920. Serial No. 136,017. PUBLISHED OCTOBER 5, 1920.

180,379. CERTAIN FOODS AND INGREDIENTS OF FOODS. H. P. HOOD & SONS, INC., Boston, Mass.
Filed April 15, 1921. Serial No. 146,213. PUBLISHED DECEMBER 11, 1923.

180,380. STEEL AND IRON SHEETS AND PLATES, INGOT MOLDS, IRON AND STEEL CASTINGS AND FORGINGS. ALLEGHENY STEEL COMPANY, Brackenridge, Pa.
Filed June 15, 1922. Serial No. 165,018. PUBLISHED DECEMBER 11, 1923.

180,381. MALT-SUGAR SIRUP FOR FOOD PURPOSES. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo.
Filed August 12, 1920. Serial No. 136,016. PUBLISHED OCTOBER 5, 1920.

180,382. PERFORATED TRANSFER PATTERNS FOR ART NEEDLEWORK. SIDNEY S. BENDICK, doing business as Trancilla Company, New York, N. Y.
Filed June 10, 1922. Serial No. 165,265. PUBLISHED DECEMBER 26, 1922.

180,383. BED-ELEVATING DEVICES KNOWN AS BED JACKS. THE SURGEONS SPECIALTY COMPANY, Cincinnati, Ohio.
Filed June 12, 1922. Serial No. 165,419. PUBLISHED DECEMBER 11, 1923.

180,384. AUTOMOBILE BODIES. THE PULLMAN COMPANY, Chicago, Ill.
Filed October 20, 1923. Serial No. 187,367. PUBLISHED DECEMBER 11, 1923.

180,385. SOAP CREAM TO PRODUCE LATHER FOR SHAVING. ANDRON HYGIENIC COMPANY, New York, N. Y.
Filed September 27, 1923. Serial No. 186,265. PUBLISHED DECEMBER 11, 1923.

180,386. AUTOMOBILE REAR-VIEW MIRRORS AND WINDSHIELD WINGS. KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind.
Filed September 27, 1923. Serial No. 186,278. PUBLISHED DECEMBER 11, 1923.

180,387. AUTOMOBILE REAR-VIEW MIRRORS AND WINDSHIELD WINGS. KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind.
Filed September 27, 1923. Serial No. 186,279. PUBLISHED DECEMBER 11, 1923.

180,388. FLY SWATTERS. LUBBERS AND BELL MANUFACTURING COMPANY, Clinton, Iowa.
Filed October 22, 1923. Serial No. 187,326. PUBLISHED DECEMBER 11, 1923.

180,389. PRINTED PERIODICAL PUBLISHED BI-MONTHLY AND AT OTHER INTERVALS. BETTER TIMES, INC., New York, N. Y.
Filed October 23, 1923. Serial No. 187,372. PUBLISHED DECEMBER 11, 1923.

180,390. LEAD PENCILS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed November 10, 1923. Serial No. 188,178. PUBLISHED DECEMBER 18, 1923.

180,391. TITLE FOR COMIC NEWSPAPER STRIP. ILLUSTRATED DAILY NEWS PUBLISHING CO., INC., Los Angeles, Calif.
Filed October 18, 1923. Serial No. 187,162. PUBLISHED DECEMBER 11, 1923.

180,392. CATALOGUES AND PRICE LISTS PUBLISHED PERIODICALLY. FUNSTEN BROTHERS & COMPANY, St. Louis, Mo.
Filed October 22, 1923. Serial No. 187,306. PUBLISHED DECEMBER 11, 1923.

180,393. FLY SWATTERS. LUBBERS AND BELL MANUFACTURING COMPANY, Clinton, Iowa.
Filed October 22, 1923. Serial No. 187,325. PUBLISHED DECEMBER 11, 1923.

180,394. INCUBATORS AND BROODERS. MONTGOMERY WARD & Co., Chicago, Ill.
Filed October 17, 1923. Serial No. 187,144. PUBLISHED DECEMBER 11, 1923.

180,395. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed October 11, 1923. Serial No. 186,847. PUBLISHED DECEMBER 11, 1923.

180,396. SHOE POLISH AND DRESSING IN PASTE, LIQUID, CAKE, AND POWDERED FORM. S. M. BIXBY & Co. INC., Brooklyn and Buffalo, N. Y.
Filed October 17, 1923. Serial No. 187,083. PUBLISHED DECEMBER 4, 1923.

180,397. ORGANS AND ATTACHMENTS FOR PLAYING ORGANS. THE PAGE ORGAN CO., Lima, Ohio.
Filed October 17, 1923. Serial No. 187,122. PUBLISHED DECEMBER 11, 1923.

180,398. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.
Filed October 11, 1923. Serial No. 186,820. PUBLISHED DECEMBER 11, 1923.

180,399. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.
Filed October 11, 1923. Serial No. 186,821. PUBLISHED DECEMBER 11, 1923.

180,400. COTTON PIECE GOODS. APPLETON COMPANY, Lowell, Mass.
Filed October 11, 1923. Serial No. 186,819. PUBLISHED DECEMBER 11, 1923.

180,401. PHONOGRAPHS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed October 8, 1923. Serial No. 186,685. PUBLISHED DECEMBER 11, 1923.

180,402. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed October 5, 1923. Serial No. 186,616. PUBLISHED DECEMBER 11, 1923.

180,403. PEARL OR IMITATION-PEARL NECKLACES. THE OH-DA COMPANY, New York, N. Y.
Filed October 6, 1923. Serial No. 186,664. PUBLISHED DECEMBER 11, 1923.

180,404. AUTOMOBILE BUMPER. THE EATON AXLE & SPRING COMPANY, Cleveland, Ohio.
Filed October 6, 1923. Serial No. 186,632. PUBLISHED DECEMBER 11, 1923.

180,405. TALCUM POWDER, FACE POWDER, BATH TALC, AND PERFUME. LOURNAY, INC., Milwaukee, Wis.
Filed June 1, 1923. Serial No. 181,448. PUBLISHED NOVEMBER 27, 1923.

180,406. SPECIALLY-TREATED STRINGS USED FOR STRINGING THEREON ORNAMENTAL BEADS. ESCO MANUFACTURING CO., New York, N. Y.
Filed July 12, 1923. Serial No. 183,101. PUBLISHED NOVEMBER 27, 1923.

180,407. PIANOS AND PIANO PLAYERS. STORY & CLARK PIANO CO., Chicago, Ill.
Filed June 4, 1923. Serial No. 181,544. PUBLISHED NOVEMBER 20, 1923.

180,408. FACE AND HAND LOTION. GEO. F. MEYER, Seymour, Ind.
Filed July 3, 1923. Serial No. 182,763. PUBLISHED DECEMBER 4, 1923.

180,409. WATCHES AND PARTS THEREOF. WM. KAUFMANN, Geneva, Switzerland.
Filed July 7, 1923. Serial No. 182,917. PUBLISHED DECEMBER 11, 1923.

180,410. CERTAIN TOILET PREPARATIONS. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn.
Filed June 27, 1923. Serial No. 182,525. PUBLISHED DECEMBER 4, 1923.

180,411. CERTAIN NAMED MUSICAL INSTRUMENTS. THE H. N. WHITE COMPANY, Cleveland, Ohio.
Filed June 30, 1923. Serial No. 182,691. PUBLISHED DECEMBER 4, 1923.

180,412. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES. COHN & ROSENBERGER INC., New York, N. Y.
Filed June 30, 1923. Serial No. 182,652. PUBLISHED NOVEMBER 27, 1923.

180,413. CERTAIN TOILET PREPARATIONS. PAUL ANTLE, doing business as Mainette Company, St. Louis, Mo.
Filed June 25, 1923. Serial No. 182,394. PUBLISHED DECEMBER 4, 1923.

180,414. PHONOGRAPH RECORDS. REGAL RECORD COMPANY, New York, N. Y.
Filed June 26, 1923. Serial No. 182,485. PUBLISHED DECEMBER 11, 1923.

180,415. BAND AND ORCHESTRAL MUSICAL INSTRUMENTS—NAMELY, MANDOLINS, BANJOS, GUITARS, UKULELES, VIOLINS, DRUMS, CORNETS, TROMBONES, AND TRUMPETS. H. A. WEYMANN & SON, INC., Philadelphia, Pa.
Filed June 26, 1923. Serial No. 182,490. PUBLISHED NOVEMBER 20, 1923.

180,416. CEREAL BREAKFAST FOOD. KELLOGG'S PEP & ZEP PRODUCTS, INC., New York, N. Y.
Filed June 28, 1923. Serial No. 182,543. PUBLISHED DECEMBER 11, 1923.

180,417. CONCENTRATED WRITING INK. STANDARD INK MFG. CO., Minneapolis, Minn.
Filed June 11, 1923. Serial No. 181,871. PUBLISHED NOVEMBER 20, 1923.

180,418. CHEMICAL CARBON REMOVER. BOYCE & VEEDER COMPANY, INC., Long Island City, N. Y.
Filed June 18, 1923. Serial No. 182,127. PUBLISHED OCTOBER 30, 1923.

180,419. ORGANS, PIANOS, HARPS, AND PARTS OF SUCH INSTRUMENTS. L. VAN DER HEYDEN À HAUZEUR, Paris, France.
Filed June 21, 1923. Serial No. 182,312. PUBLISHED DECEMBER 11, 1923.

180,420. SHOCK ABSORBERS. CECIL C. CANNAN, doing business as Autocez Manufacturing Company, Houston, Tex.
Filed June 22, 1923. Serial No. 182,331. PUBLISHED DECEMBER 11, 1923.

180,421. SILVER-PLATED SPOONS. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn.
Filed June 11, 1923. Serial No. 181,834. PUBLISHED NOVEMBER 6, 1923.

180,422. JEWELRY—NAMELY, FINGER RINGS, PRECIOUS STONES, ORNAMENTAL PINS, WATCH CHAINS, NECK CHAINS, AND BRACELETS. HARRY RATNER, doing business as Rogers & Co., Columbus, Ohio.
Filed May 31, 1923. Serial No. 181,413. PUBLISHED NOVEMBER 27, 1923.

180,423. CLOTHES-WASHING MACHINES. STORM ROYALTY COMPANY, St. Louis, Mo.
Filed May 31, 1923. Serial No. 181,426. PUBLISHED NOVEMBER 20, 1923.

180,424. STENCIL INKS. RICHARD E. BECKERT, doing business as S. M. Spencer Mfg. Co., Boston, Mass.
Filed July 13, 1923. Serial No. 183,134. PUBLISHED DECEMBER 11, 1923.

180,425. SILKS IN THE PIECE. JANSEN & PRETSFELD, INC., New York, N. Y.
Filed October 8, 1923. Serial No. 186,710. PUBLISHED DECEMBER 11, 1923.

180,426. AUTOMATIC CHANGEABLE-SIGN-DISPLAY MACHINES AND SIGN PROJECTORS. STANDARD SLIDE CORPORATION, New York, N. Y.
Filed September 21, 1923. Serial No. 186,032. PUBLISHED DECEMBER 11, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

180,427. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHARLES I. GOODHART, Chicago, Ill. Filed Aug. 20, 1923. Serial No. 184,723.

ROTARY OIL BURNER

Particular description of goods.—Oil Burners.
Claims use since 1922.

180,428. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GANDARA Y HAZ, Vigo, Pontivedra, Spain. Filed June 20, 1923. Serial No. 182,578.

CEDEIRA

Particular description of goods.—Canned Fish.
Claims use since Nov. 10, 1919.

180,429. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,471.

GENUINE LORRAINE CREOLE SUITINGS

Particular description of goods.—Cotton Goods in the Piece, Silk and Cotton Piece Goods, and Silk and Wool Piece Goods.
Claims use since May 15, 1922.

180,430. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BAKER-HANSEN MFG. CO., Alameda, Calif. Filed Sept. 18, 1923. Serial No. 185,892.

BAKER
Ball bearing—Power saving
AIR COMPRESSORS

Particular description of goods.—Air Compressors.
Claims use since 1918.

180,431. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN KING & SON, Glasgow, Scotland. Filed Sept. 25, 1923. Serial No. 186,192.

KING'S SCOTCH HOLLANDS
GUARANTEED SUNPROOF

Particular description of goods.—Window Hollands, Being Cotton Piece Goods.
Claims use since Jan. 2, 1918.

180,432. (CLASS 31. FILTERS AND REFRIGERATORS.) HENRY VOGT MACHINE CO. INC., Louisville, Ky. Filed May 5, 1923. Serial No. 180,254.

Multitube

Particular description of goods.—Ice Refrigerating and Cooling Machinery—Namely, Absorbers, Condensers, Exchangers, Rectifiers, and Weak-Liquor Coolers.
Claims use since Oct. 26, 1920.

180,433. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FOUNTAINE & CO., INC., New York, N. Y. Filed May 25, 1923. Serial No. 181,115.

PERLE SYNTHETIQUE

Particular description of goods.—Artificial Pearls and Articles of Jewelry Comprising Pearls and Artificial Pearls.
Claims use since on or about February, 1922.

180,434. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE NAPIER COMPANY, Meriden, Conn. Filed June 28, 1923. Serial No. 182,545.

NAPIER

Particular description of goods.—Bags of Metal Mesh, Silk, or Leather with Metal Frames; Vanity Cases, Cigarette Cases, Flasks, Powder or Rouge Cases, Coin Cases, Cardcases, Match Cases, Lip-Salve Containers, Belt Buckles, Purses of Mesh or Leather with Metal Trimmings, All Made Wholly or in Part of Precious Metal or Plated Therewith; Bracelets, Brooches, Bar Pins, Finger Rings, Ornamental Metal Mounted Combs, Ornamental Hairpins, Necklaces, Lockets, and Earrings.
Claims use for not less than one year.

180,435. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LEE'S AUTO POLISH CO., High Point, N. C. Filed May 4, 1923. Serial No. 180,187.

LEE'S

Particular description of goods.—Auto Polish.
Claims use since Dec. 1, 1922.

180,436. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMERSON WATCH CASE CO. INC., New York, N. Y. Filed Apr. 20, 1923. Serial No. 179,403.

EMERSON W.C.Co.
GILSEY
WARRANTED

Particular description of goods.—Watches, Watchcases, Clocks, and Clock Housings.
Claims use since February, 1918.

180,437. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MASTER RADIO CORPORATION, Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 179,543.

Master

Particular description of goods.—Complete Radiotelephone Receiving Sets and Attachments for Same for Mechanically Amplifying the Tone Volume of Sound Reproduced by the Receiver of Wireless Telephones.
Claims use since October, 1922.

180,438. (CLASS 27. HOROLOGICAL INSTRUMENTS.) EMERSON WATCH CASE CO. INC., New York, N. Y. Filed Apr. 20, 1923. Serial No. 179,404.

EMERSON
W.C.Co.
CORONATION

Particular description of goods.—Watches, Watchcases, Clocks, and Clock Housings.
Claims use since February, 1918.

180,439. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Apr. 3, 1923. Serial No. 178,506.

VENANGO

Particular description of goods.—Grease Cups, Oil Cups, and Lubricators for the Application of Lubricants.
Claims use since 1903.

180,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KLEKER CHEMICAL COMPANY, Chicago, Ill. Filed Apr. 18, 1923. Serial No. 179,306.



Particular description of goods.—A Medicinal Preparation for the Treatment of the Stomach.
Claims use since May 1, 1920.

180,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN JORDEAU INC., South Orange, N. J., and New York, N. Y. Filed Jan. 19, 1923. Serial No. 174,788.



Particular description of goods.—Chemical Preparation for the Removal of Superfluous Hair.
Claims use since Dec. 1, 1922.

180,442. (CLASS 39. CLOTHING.) BABY'S BOUDOIR, INC., Portland, Oreg. Filed Jan. 27, 1923. Serial No. 175,181.



Particular description of goods.—Plain and Fancy Dresses, Gertrudes, Nighties, Hood Capes, Nightingales, Bootees, Coats, Rompers, Creepers, Hats, Caps, Bonnets, Sleeping Bags Used as Clothing, Bath Robes, Sweaters, Sweater Sets, Leggings Composed of Wool or Part Wool; Shoes of Soft-soled Kid, Satin, and Silk; Stockings, Socks, Waterproof Pants, Shirts, Finished Bands, Finished Binders (All of the Foregoing Articles are Intended for Infants' Wear or Use).
Claims use since July 1, 1916.

180,443. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANAHEIM VALENCIA GROWERS ASS'N, Anaheim, Calif. Filed Mar. 31, 1923. Serial No. 178,372.

WEBSTER

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 28, 1922.

180,444. (CLASS 39. CLOTHING.) KNITFIRM, INC., New York, N. Y. Filed Dec. 26, 1922. Serial No. 173,836.

Knitfirm Inc.

Particular description of goods.—Knit Goods for Infants, Children, and Misses, Comprising Bootees, Sacks, Hoods, Mittens, Leggings, Sweaters, Caps, Toques, Tams, Infants' Carriage Robes, Bathing Suits, Gloves, Capes, Scarfs, Scarf Sets Consisting of Tam and Scarf to Match, Sweater Sets Consisting of Sweater, Leggings, Cap, and Mittens.
Claims use since Dec. 18, 1922.

180,445. (CLASS 39. CLOTHING.) RICHARD SCHLETTER CO., INC., Philadelphia, Pa. Filed Jan. 6, 1923. Serial No. 174,263.

SHADOW CLOCK

Particular description of goods.—Hosiery.
Claims use since about Dec. 14, 1922.

180,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. MARSHALL, Pottstown, Pa. Filed Jan. 10, 1923. Serial No. 174,401.

"WIL-LAY-WEL"

Particular description of goods.—Chickens and Eggs for Hatching.
Claims use since Dec. 1, 1922.

180,447. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARKARIAN'S FIG GARDENS, Fresno, Calif. Filed Nov. 14, 1923. Serial No. 188,875.

FIG GARDEN

Particular description of goods.—Fresh and Dried Figs.
Claims use since October, 1916.

180,448. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 19, 1923. Serial No. 188,534.

DE LUXE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Aug. 31, 1920.

180,449. (CLASS 39. CLOTHING.) THE BENJAMIN MOSELEY CO., Needham, Mass. Filed Dec. 8, 1923. Serial No. 189,421.

MOSELEY

Particular description of goods.—Sweaters.
Claims use since 1915.

180,450. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) M. SINGER & SONS, Boston, Mass. Filed Nov. 30, 1923. Serial No. 189,076.

"OLD" KENTUCKY

Particular description of goods.—Extract of Malt and Hops.
Claims use since Feb. 2, 1921.

180,451. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HENRY H. HARTEVELDT, doing business as Henry H. Harteveldt Company, New York, N. Y. Filed Nov. 30, 1923. Serial No. 189,051.

Wadsworth

Particular description of goods.—Chains for Personal Adornment.
Claims use since Nov. 15, 1922.

180,452. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN CARR, Philadelphia, Pa. Filed Nov. 23, 1923. Serial No. 188,739.

SILVERSHINE

Particular description of goods.—A Cleaning and Polishing Preparation for Gold, Silver, Brass, Plated Ware, Cut Glass, Windows, Aluminum, Nickel, Marble, and Bathtubs.
Claims use since on or about May 1, 1922.

180,453. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE COLEMAN LAMP COMPANY, Wichita, Kans. Filed Dec. 11, 1923. Serial No. 189,492.

Coleman

Particular description of goods.—Gas Lamps and Lanterns, Hollow-Wire Gas Lighting Plants and Fixtures, Gas Stoves for Cooking and Heating; Gas Generators for Gas-Operated Cooking, Heating, and Lighting Plants and Devices; Mantles for Gas Lighting Devices, Gas-Operated Burner Units, Gas-Operated Urn Burners; Gas-Operated Heating Plants, Including Fuel Tanks, Burners, and Other Necessary Parts and Equipment for Said Plants; and Parts of All of the Foregoing Articles.
Claims use since Jan. 1, 1915, on lamps and lanterns; since Jan. 1, 1902, on hollow wire, gas lighting plants and fixtures; since Jan. 1, 1922, on gas stoves for cooking and heating; since Oct. 1, 1921, on gas generators; since Jan. 1, 1914, on mantles for gas lighting devices; since Jan. 1, 1907, on gas-operated burner units; since Jan. 1, 1907, on gas-operated urn burners; since Sept. 1, 1921, on gas-operated heating plants.

180,454. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DAY & NIGHT SOLAR HEATER CO., Monrovia, Calif. Filed Dec. 26, 1922. Serial No. 173,815.

Bailey

Particular description of goods.—Automatic Gas Water Heaters.
Claims use for not less than one year.

180,455. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy N. Y. Filed Oct. 16, 1923. Serial No. 187,042.

KENT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since March, 1913.

180,456. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 19, 1923. Serial No. 187,202.

SPENCER

Particular description of goods.—Negligee and Dress Shirts.
Claims use since May, 1922.

180,457. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 19, 1923. Serial No. 187,201.

GENESEE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since July, 1914.

180,458. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Oct. 31, 1923. Serial No. 187,718.

HULL

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Nov. 2, 1922.

180,459. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed Oct. 16, 1923. Serial No. 187,043.

POMFRET

Particular description of goods.—Negligee and Dress Shirts.
Claims use since September, 1921.

180,460. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed Oct. 19, 1923. Serial No. 187,200.

DIGBY

Particular description of goods.—Negligee and Dress Shirts.
Claims use since October, 1922.

180,461. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN KING & SON, Glasgow, Scotland. Filed Sept. 25, 1923. Serial No. 186,194.

KING'S SCOTCH HOLLANDS

Particular description of goods.—Window Hollands, Being Cotton Piece Goods.
Claims use since Dec. 31, 1775.

180,462. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed Oct. 16, 1923. Serial No. 187,039.

DALE

Particular description of goods.—Negligee and Dress Shirts.
Claims use since July, 1922.

180,463. (CLASS 39. CLOTHING.) CLUETT, PEABODY & Co., INC., Troy, N. Y. Filed Oct. 16, 1923. Serial No. 187,041.

HOLT

Particular description of goods.—Negligee and Dress Shirts.
Claims use since July, 1922.

180,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACME APPARATUS COMPANY, Cambridge, Mass. Filed Oct. 26, 1923. Serial No. 187,500.

ACME

Particular description of goods.—Transmitting Transformers, Audiofrequency Transformers, Radiofrequency Transformers, Bell-Ringing Transformers, Transformers, Condensers, Variable Condensers, Audiofrequency Amplifiers, Radiofrequency Amplifiers, Potentiometers, Rheostats, Potentiometer Rheostats, Loud Speakers, and Inductance Coils.
Claims use since about Mar. 1, 1919.

180,465. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923. Serial No. 187,936.

Candia

Particular description of goods.—Woolen Piece Goods.
Claims use since 1911.

180,466. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HARRY H. KELLY & SONS, Philadelphia, Pa. Filed Nov. 3, 1923. Serial No. 187,945.

KELLY'S EVERWEAR BRUSHES

Particular description of goods.—Scrub, Dust, Counter, Floor, Cloth, Shoe, Bath, Nail, Hand, and Painters' Brushes and Street Brooms.
Claims use since October, 1907.

180,467. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. BUSCH, New York, N. Y. Filed Nov. 6, 1923. Serial No. 188,041.

Federal

Particular description of goods.—Silver-Plated Flatware—Namely, Knives, Forks, and Spoons.
Claims use since Jan. 1, 1922.

180,468. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INC., New York, N. Y. Filed Nov. 14, 1923. Serial No. 188,295.

THE CHAMPAGNE OF GINGER ALES

Particular description of goods.—Ginger Ale.
Claims use since Sept. 1, 1922.

180,469. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANCHA STORAGE BATTERY LOCOMOTIVE COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Nov. 6, 1923. Serial No. 188,053.

MANCHA'S ELECTRIC MULE

Particular description of goods.—Storage-Battery Locomotives.
Claims use since April, 1917.

180,470. (CLASS 39. CLOTHING.) JOHN E. SCHMITZ, doing business as John E. Schmitz & Co., New York, N. Y. Filed Nov. 22, 1922. Serial No. 172,398.

WOOLSPUN

Particular description of goods.—Sweaters, Bathing Suits, Scarfs, and Hosiery.
Claims use since Oct. 3, 1922.

180,471. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MCKINLEY MUSIC COMPANY, Chicago, Ill. Filed Nov. 17, 1922. Serial No. 172,166.

McKINLEY

Particular description of goods.—Phonograph Records.
Claims use since Sept. 1, 1914.

180,472. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MCKINLEY MUSIC COMPANY, Chicago, Ill. Filed Nov. 17, 1922. Serial No. 172,165.

McKinley

Particular description of goods.—Phonographs.
Claims use since Sept. 1, 1914.

180,473. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa. Filed Oct. 31, 1922. Serial No. 171,399.

SEVILLE BRAND

Particular description of goods.—Canned Peppers.
Claims use since Aug. 5, 1922.

180,474. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MAGDA A. EISENSCHIML, doing business as Raisinade Company, East Orange, N. J. Filed Oct. 25, 1922. Serial No. 171,157.

RAISINADE

Particular description of goods.—A Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Oct. 18, 1922.

180,475. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTHERN JOBBING COMPANY, Chicago, Ill. Filed Oct. 5, 1922. Serial No. 170,335.

OLIVE SKIN

Particular description of goods.—Soap.
Claims use since Sept. 7, 1922.

180,476. (CLASS 39. CLOTHING.) ROBISCHON CORPORATION, New York, N. Y. Filed Oct. 2, 1922. Serial No. 170,217.

BESTHERIZ

Particular description of goods.—Stockings, Hosiery, and Knitted Underwear Consisting of Shirts, Drawers, and Union Suits.
Claims use since July 15, 1922.

180,477. (CLASS 21. ELECTRICAL APPARATUS, MACHINERY, AND SUPPLIES.) AAGAARD DISTRIBUTING CORPORATION, Chicago, Ill. Filed Oct. 9, 1922. Serial No. 170,466.

"Ever-Hot"

Particular description of goods.—Electric Irons and Toasters.
Claims use since Sept. 1, 1922.

180,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT ROBEN, New York, N. Y. Filed Apr. 12, 1922. Serial No. 162,206.

Pal-a-table

Particular description of goods.—Canned Grape Fruit.
Claims use since Feb. 21, 1922.

180,479. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. O. POOLE, doing business as Poole Machine Co., Cobden, Ill. Filed July 7, 1922. Serial No. 166,568.

COMBINATION
=SET=
PERFECTION
WRENCHES

Particular description of goods.—Wrenches.
Claims use since 1916.

180,480. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) METROPOLITAN RADIO CORPORATION, Newark, N. J. Filed Sept. 14, 1922. Serial No. 169,453.

THE LITTLE GIANT

Particular description of goods.—Radio Receiving Sets and Parts Therefor.
Claims use since on or about Aug. 1, 1922.

180,481. (CLASS 43. THREAD AND YARN.) MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Mar. 16, 1922. Serial No. 160,767.

LENOX

Particular description of goods.—Threads.
Claims use since Jan. 19, 1921.

180,482. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEIDNER & HITZIGRATH, New York, N. Y. Filed Mar. 20, 1922. Serial No. 160,981.

Vogue
HAIR NET

Particular description of goods.—Real Human-Hair Nets.
Claims use since Dec. 1, 1917.

180,483. (CLASS 43. THREAD AND YARN.) MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo. Filed Mar. 22, 1922. Serial No. 161,097.

SUPERIOR

Particular description of goods.—Threads.
Claims use since August, 1913.

180,484. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE IN-VU MANUFACTURING COMPANY, Rochester, N. Y. Filed Mar. 26, 1921. Serial No. 145,267.

Washerette

Particular description of goods.—Clothes-Washing Machines.
Claims use since Dec. 11, 1920.

180,485. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn. Filed Sept. 6, 1921. Serial No. 152,641.

ROMA

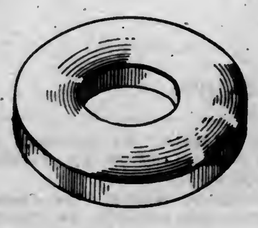
Particular description of goods.—Washboards.
Claims use since Jan. 1, 1912.

180,486. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill.; Saginaw, Mich.; and Memphis, Tenn. Filed Sept. 6, 1921. Serial No. 152,642.

SOAP SAVER

Particular description of goods.—Washboards.
Claims use since Jan. 1, 1905.

180,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINT PRODUCTS CO. INCORPORATED, Port Chester, N. Y. Filed Dec. 31, 1921. Serial No. 157,384.



Particular description of goods.—Candy, Chewing Gum, and Candy and Chewing Gum Confections.
Claims use since Dec. 29, 1921.

180,488. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DONNA LEE PERFUMED DEODORANT COMPANY, Chicago, Ill. Filed Dec. 11, 1922. Serial No. 178,194.

Donna Lee

Particular description of goods.—Disseminators for Perfumed Deoderants.
Claims use since July, 1922.

180,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HILMER COMMISSION CO., St. Louis, Mo. Filed Dec. 17, 1923. Serial No. 189,783.

"Its a treat to eat"

Particular description of goods.—Butter and Dairy Products.
Claims use since about Nov. 1, 1921.

180,490. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed Dec. 17, 1923. Serial No. 189,817.

DOOR DOGS

Particular description of goods.—Door Holders.
Claims use since Dec. 2, 1922.

180,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWINELL-WRIGHT COMPANY, Boston, Mass. Filed Dec. 29, 1923. Serial No. 190,240.

REAL GOOD
BRAND

Particular description of goods.—Coffee.
Claims use since February, 1911.

180,492. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EVERSTICK ANCHOR COMPANY, St. Louis, Mo. Filed Dec. 22, 1923. Serial No. 190,012.

Neverslip

Particular description of goods.—Electric-Cable Hangers.
Claims use since about Jan. 1, 1918.

180,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POSTUM CEREAL COMPANY, INCORPORATED, New York, N. Y., and Battle Creek, Mich. Filed Jan. 5, 1924. Serial No. 190,466.

Post's
BRAN
FLAKES
WITH OTHER PARTS OF
WHEAT
DELICIOUSLY FLAVORED WITH
MALT SYRUP AND SALT
A LAXATIVE FOOD
READY TO EAT
POSTUM CEREAL COMPANY, INC.
BATTLE CREEK, MICH.
NET WEIGHT 10 OUNCES

Particular description of goods.—Cereal Breakfast Foods.
Claims use since Dec. 15, 1922.

LABELS

REGISTERED FEBRUARY 26, 1924.

26,988.—*Title:* CAPSIMS. For a Medicine—Namely, a Body Builder. McGregor Irwin Adams, M. D., Philadelphia, Pa. Published October 16, 1923.

26,989.—*Title:* TAFFY TWISTS. For Candy. The Circus Sally Company, Chicago, Ill. Published December 13, 1923.

26,990.—*Title:* GOLFER'S DE-LITE. For Golf Score Cards Containing Safety Matches. Robert L. Combs, Chicago, Ill. Published July 27, 1923.

26,991.—*Title:* MATT-REST. For Mattresses. Oren S. Copeland, Lincoln, Nebr. Published October 26, 1923.

26,992.—*Title:* MATTRESS PACKAGE. For Mattresses. Droll Patents Corporation, Chicago, Ill. Published December 21, 1923.

26,993.—*Title:* E & W COLLAR PACKET. For Containers for Collars. Earl & Wilson, Troy, N. Y. Published November 19, 1923.

26,994.—*Title:* KRELAWN. For Tape. Economy Bias Binding Co., New York, N. Y. Published January 2, 1924.

26,995.—*Title:* CALIFORNIA. For Tape. Economy Bias Binding Co., New York, N. Y. Published January 2, 1924.

26,996.—*Title:* CARMELA. For Tomato Paste. F. G. Favalora Sons, Inc., New Orleans, La. Published January 19, 1924.

26,997.—*Title:* COWBOY. For Tomato Paste. F. G. Favalora Sons, Inc., New Orleans, La. Published January 19, 1924.

26,998.—*Title:* INDIAN GIRL. For Tomato Paste. F. G. Favalora Sons, Inc., New Orleans, La. Published January 19, 1924.

26,999.—*Title:* DR. FENTON'S HEALTH-PEP. For Yeast Balancer Prepared for Chicks and Poultry. Dr. Fenton's Min-Er-O Tone Co., Cedar Rapids, Iowa. Published December 24, 1923.

27,000.—*Title:* DR. FENTON'S MOREGGS. For Concentrated Yeast Balancer for Laying Hens. Dr. Fenton's Min-Er-O Tone Co., Cedar Rapids, Iowa. Published December 24, 1923.

27,001.—*Title:* HEALTH-HARVEST. For a Whole-Wheat Product Cooked Ready to Eat. Health Harvest Food Co., Louisville, Ky. Published January 15, 1923.

27,002.—*Title:* DROMEDARY GOLDEN DATES. For Dates. The Hills Brothers Company, New York, N. Y. Published January 9, 1924.

27,003.—*Title:* WHOLE STRAWBERRIES A TRUE FRUIT. For Candy. Hood River Canning Co., Hood River, Oreg. Published January 1, 1924.

27,004.—*Title:* E-Z MALT. For Malt Sirup. Louisville Bottling Works, Louisville, Ky. Published December 3, 1923.

27,005.—*Title:* MAGIC-WHITE. For Cleaning Fluid. Richard Stanford Marshall and Weldon Addison Wing, Toronto, Ontario, Canada. Published January 22, 1924.

27,006.—*Title:* B. V. MAY. For Hosiery. May Hosiery Mills, Inc., Burlington, N. C. Published September 28, 1923.

27,007.—*Title:* THOMSEN'S NUTTY STUFF. For Candy. Pacific Coast Biscuit Co., Seattle, Wash. Published December 1, 1923.

27,008.—*Title:* THE QUEEN'S TASTE. For Citrous Fruit. W. P. Peyton Fruit Co., Los Angeles, Calif. Published December 20, 1923.

27,009.—*Title:* NULAID EGGS. For Eggs. Poultry Producers of Central California, San Francisco, Calif. Published November 12, 1923.

27,010.—*Title:* CALPRO EGGS. For Eggs. Poultry Producers of Central California, San Francisco, Calif. Published November 12, 1923.

27,011.—*Title:* TRIPLE (T-S) STITCHED. For Work Shirts for Men and Boys. Salant & Salant, Inc., New York, N. Y. Published December 8, 1923.

27,012.—*Title:* UNCLE SAM SHIRTS, SUPERSIZE THAT SATISFIES. For Work Shirts for Men and Boys. Salant & Salant, Inc., New York, N. Y. Published December 8, 1923.

27,013.—*Title:* THE SCHAFFER LOCK COVER GARBAGE CAN. For Garbage Receptacles. The Schaffer Tinware Mfg. Co., Brooklyn, N. Y. Published January 7, 1924.

27,014.—*Title:* LA PECAN. For Cigars. Jacob R. Strauss, Chicago, Ill. Published January 2, 1924.

27,015.—*Title:* MAKE YOUR NICE GIFTS—NICER—. For Receptacles Containing Christmas-Package Accessories. Transogram Co. Inc., Brooklyn, N. Y. Published November 10, 1923.

27,016.—*Title:* THE SET WITH THE KNOB THAT KEEPS THE LAMPS ON THE JOB. For Decorative Lighting Sets. Triangle Electro Trading Co., Inc., New York, N. Y. Published December 1, 1923.

27,017.—*Title:* LOS ANGELES ROSE. For Talcum. Hiram Tyree, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Published November 2, 1923.

27,018.—*Title:* WHITNEY'S VALENTINE MATERIAL. For Boxes of Valentine Material. The George C. Whitney Company, Worcester, Mass. Published December 28, 1923.

27,019.—*Title:* PETER PAN CANDY. For Candy. Albert Widdis, Tawas City, Mich. Published January 11, 1924.

PRINTS

REGISTERED FEBRUARY 26, 1924.

7,208.—*Title:* CONSTANT COMFORT FOOT CHART. For Shoes. Ault-Williamson Shoe Co., Auburn, Me., and St. Louis, Mo. Published November 27, 1923.

7,209.—*Title:* LILLIS LIGHT SHIELD. For an Apparatus to be Used with Automobiles. Detroit-Lillis Engineering Co., Detroit, Mich. Published November 15, 1923.

7,210.—*Title:* BOBBIE. For Coats and Suits. Joseph Engel Company, Inc., New York, N. Y. Published September 15, 1923.

7,211.—*Title:* SINCE '49. For Paints and Varnishes. W. P. Fuller & Co., San Francisco, Calif. Published November 13, 1923.

7,212.—*Title:* HAYS BUCKSKIN GLOVES. For Gloves. The Daniel Hays Company, Gloversville, N. Y. Published November 10, 1923.

7,213.—*Title:* RED GOOSE SHOES. For Shoes. International Shoe Co., St. Louis, Mo. Published October 20, 1923.

7,214.—*Title:* MARTIN'S BETTER-BATTER-BABES. For Flour, Cakes, Cookies, Wafers, and Other Baking Products. The Martin Baking Company, Cleveland, Ohio. Published September 1, 1923.

7,215.—*Title:* PROUD OF HIS WIFE. For Palmolive Soap. The Palmolive Company, Milwaukee, Wis. Published January 20, 1924.

7,216.—*Title:* GREAT STUFF — MOTHER! POST TOASTIES IMPROVED CORN FLAKES. For Cereal Breakfast Food. Postum Cereal Co. Inc., Battle Creek, Mich. Published February 28, 1923.

7,217.—*Title:* RED MILL. For Hosiery. Red Mill Hosiery Co. Inc., Wilmington, Del. Published November 1, 1923.

7,218.—*Title:* PRODUCTS OF MONARCH KITCHENS. For Food Products. Reid, Murdoch & Co., Chicago, Ill. Published December 31, 1923.

7,219.—*Title:* MONARCH NATIONAL ADVERTISING. For Food Products. Reid, Murdoch & Co., Chicago, Ill. Published December 31, 1923.

7,220.—*Title:* MONARCH COFFEE. For Coffee and Food Products. Reid, Murdoch & Co., Chicago, Ill. Published December 31, 1923.

7,221.—*Title:* MONARCH. For Canned Fruits and Vegetables. Reid, Murdoch & Co., Chicago, Ill. Published December 31, 1923.

7,222.—*Title:* MONARCH FOOD OF WHEAT. For Breakfast Food. Reid, Murdoch & Co., Chicago, Ill. Published December 31, 1923.

7,223.—*Title:* AT THE SIGN OF THE EAGLE. For Automobile Tires and Tubes. The Republic Rubber Company, Youngstown, Ohio. Published January —, 1923.

7,224.—*Title:* LOT 8825 WHITE KNICKERS. For White Duck Clothing. The James E. Richards Company, Dayton, Ohio. Published December 26, 1923.

7,225.—*Title:* LOT 326 GYM PANTS. For White Duck Clothing. The James E. Richards Company, Dayton, Ohio. Published December 26, 1923.

7,226.—*Title:* OH MIN! For Candy. Sidney Smith, Chicago, Ill. Published November 1, 1923.

7,227.—*Title:* UNCLE BIM BRINGS THE GUMP FAMILY CANDY ASSORTMENT. For Candy. Sidney Smith, Chicago, Ill. Published November 1, 1923.

7,228.—*Title:* WHEN THE LIGHTS GO OUT—JUST TURN THE KNOB. For Decorative Lighting Sets. Triangle Electro Trading Co. Inc., New York, N. Y. Published December 1, 1923.

7,229.—*Title:* FREEPLAY. For Boys' and Children's Baseball Uniforms. Van Cott Bros., Inc., New York, N. Y. Published November 1, 1923.

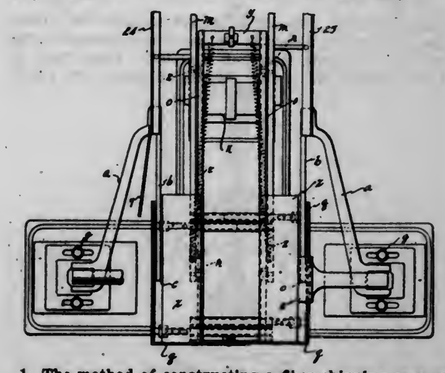
7,230.—*Title:* WIRING-AND REPAIRING. For Electrical Supplies. James B. Ward, Springfield, Ohio. Published September 1, 1921.

7,231.—*Title:* WILLSON GOGGLES. For Goggles. Willson Goggles, Inc., Reading, Pa. Published December 18, 1923.

REISSUES

FEBRUARY 26, 1924.

15,775. METHOD OF CONSTRUCTING FIBER SHIPPING CASES. HERBERT R. BLISS, Niagara Falls, N. Y. Filed Jan. 2, 1924. Serial No. 684,099. Original No. 1,430,151, dated Sept. 26, 1922, Serial No. 502,967, filed Sept. 24, 1921. 10 Claims. (Cl. 93—42.)

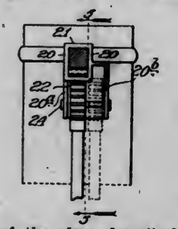


1. The method of constructing a fiber shipping case out of a scored body blank and end blanks with flaps, which consists in holding the end blanks so that each end blank has one flap overlapping the opposite end of the same wall of the body blank, simultaneously stitching such flaps to the wall of the body blank, second, folding the body blank and end blanks to bring another pair of flaps of the end blanks in overlapped relation at the opposite ends of the succeeding wall of the scored body blank and simultaneously stitching said two flaps to such wall, and third, folding the body blank and the end blanks to bring a third pair of flaps of the end walls in overlapped relation to the third succeeding wall of the body blank and simultaneously stitching the said pair of flaps to such third wall of the body blank.

15,776. PROCESS OF CLARIFYING FRUIT JUICES. AAGE GUSMER, West End, N. J. Filed Jan. 18, 1924. Serial No. 687,155. Original application filed Nov. 17, 1920, Serial No. 424,616. Renewed Dec. 24, 1921. Serial No. 524,742. Original No. 1,406,554, dated Feb. 14, 1922. 10 Claims. (Cl. 99—11.)

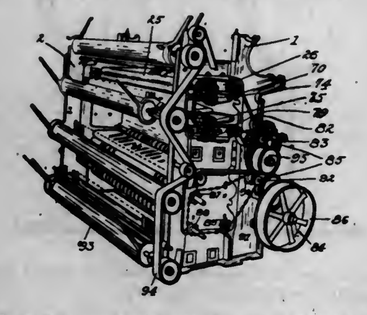
1. A process of clarifying starch containing liquors which consists in adding a non-malt diastatic enzyme to the liquor to establish the process of starch inversion and destroying the enzyme and interrupting the process of starch inversion when the starch has been inverted into dextrin.

15,777. BOTTLE-CAPPING MACHINE. CLAUDE B. MELCHIOR, Wilmington, Del., assignor to Liquid Malted Milk Company, Cedar Rapids, Iowa, a Corporation of Iowa. Filed Mar. 11, 1922. Serial No. 543,075. Original No. 1,365,182, dated Jan. 11, 1921, Serial No. 319,839, filed Aug. 25, 1919. 4 Claims. (Cl. 226—84.)



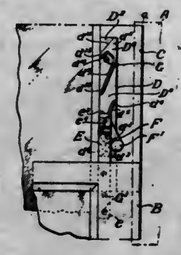
1. In a device of the class described, a base, a rack bar secured thereto and extending upwardly therefrom, a sliding member mounted on said rack bar comprising guides adapted to engage the rack bar, a bottle sealing head, and an offset portion adapted to form a pocket, and a lever pivotally mounted in said sliding member having a segmental gear formed at its inner end adapted to engage the teeth of the rack bar, said segmental gear and pocket being in alinement whereby the segmental gear may be moved laterally into said pocket and out of engagement with the teeth of the rack bar.

15,778. CONDENSING APPARATUS FOR CARDING MACHINES. JOHN H. KOVAR and JOSEPH F. SCHIMEK, Holden, Mass., and ALEXANDER CAVEDON, Woonsocket, R. I., assignors to Cashiko Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1923. Serial No. 679,504. Original No. 1,469,005, dated Sept. 25, 1923, Serial No. 389,409, filed June 16, 1920. 17 Claims. (Cl. 19—153.)



5. In a tape condensing machine, end brackets, apron rolls, a pair of rubbing aprons each carried by a set of rolls rotatably mounted in horizontally alined end brackets, means for securing vertically alined brackets together, in pairs, with said aprons a predetermined distance apart, and further means for vertically adjusting the brackets to regulate the distance between said aprons.

15,779. AUTOMATIC INTERLOCKING ATTACHMENT FOR WINDOW SASHES. HENRY C. TROST, El Paso, Tex. Filed Apr. 25, 1923. Serial No. 634,632. Original No. 1,439,585, dated Dec. 19, 1922, Serial No. 553,711, filed Apr. 17, 1922. 9 Claims. (Cl. 292—230.)



1. An interlocking attachment for window sashes comprising two coacting parts, a trip plate fastened to one sash and a pendulum lock connected to the other sash, the said trip plate being provided with raised portions separated by an inclined channel, said raised portions being provided with wedge faces, and pockets, and said pendulum lock being provided with a laterally projecting lug adapted to engage said wedge faces, and to project into said pockets and to pass through said inclined passage, substantially as described.

DESIGNS

FEBRUARY 26, 1924.

64,040. GOBLET OR SIMILAR ARTICLE. JOSEPH O. BALDA, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, N. J. Filed Dec. 16, 1922. Serial No. 4,625. Term of patent 14 years.



The ornamental design for a goblet or similar article substantially as shown and described.

64,041. METAL BORDER STRIP FOR A TRAY OR SIMILAR ARTICLE. ABRAHAM BARCHOFF, New York, N. Y. Filed Mar. 5, 1923. Serial No. 5,362. Term of patent 3½ years.



The ornamental design for a metal border strip for a tray or similar article as shown.

64,042. VEHICLE SIGNAL. GEORGE W. BARRICKLOW, Pittsburgh, Pa. Filed Nov. 6, 1923. Serial No. 7,698. Term of patent 7 years.



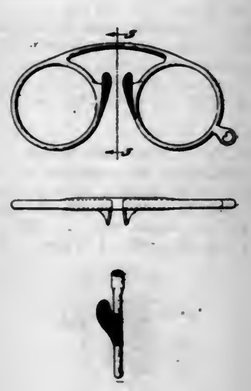
The ornamental design for a vehicle signal, substantially as shown.

64,043. BADGE. ELMER H. BARTELSMEYER, St. Louis, Mo., assignor to Board of Police Commissioners of the City of St. Louis, State of Missouri. Filed Sept. 1, 1923. Serial No. 7,136. Term of patent 14 years.



The ornamental design for a badge as shown.

64,044. OPHTHALMIC MOUNTING. EARLE J. R. BEATTEY, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 22, 1922. Serial No. 4,361. Term of patent 14 years.



The ornamental design for an ophthalmic mounting, substantially as shown.

64,045. SPOON OR SIMILAR ARTICLE. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Dec. 29, 1923. Serial No. 8,190. Term of patent 14 years.



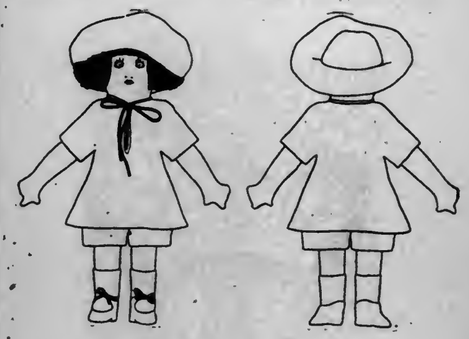
The ornamental design for a spoon or similar article substantially as shown.

64,046. SPOON OR SIMILAR ARTICLE. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Dec. 31, 1923. Serial No. 8,201. Term of patent 14 years.



The ornamental design for a spoon or similar article substantially as shown.

64,047. DOLL. MAYOTTA BROWNE, San Francisco, Calif. Filed Aug. 15, 1922. Serial No. 3,392. Term of patents 3½ years.



The ornamental design for a doll, as shown.

64,048. PITCHER. FREDERICK CARDER, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Aug. 22, 1922. Serial No. 3,509. Term of patent 14 years.



The ornamental design for a pitcher, as shown.

64,049. BADGE OR SIMILAR ARTICLE. JAMES R. COOK and WALTER P. MIESEN, Narberth, Pa. Filed June 15, 1923. Serial No. 6,501. Term of patent 7 years.



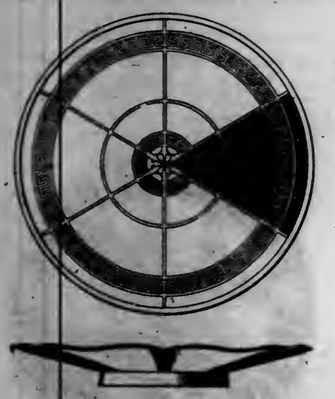
The ornamental design for a badge, or similar article, substantially as shown.

64,050. SAND PAIL. LOUIS N. EMMETS, Brooklyn, N. Y., assignor to Kiddies Metal Toys, Inc., a Corporation of New York. Filed Nov. 28, 1923. Serial No. 7,900. Term of patent 7 years.



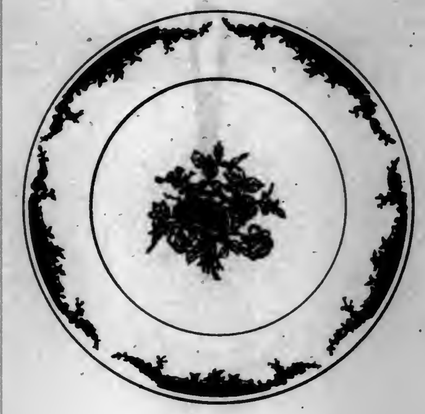
The ornamental design for a sand pail, as shown.

64,051. SANDWICH PLATE OR SIMILAR ARTICLE. JAMES W. FARRELL, Cincinnati, Ohio, assignor to The Homan Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 29, 1923. Serial No. 7,615. Term of patent 3½ years.



The ornamental design for a sandwich plate or similar article, as shown.

64,052. PLATE OR SIMILAR ARTICLE. WALTER H. FISK, New York, N. Y., assignor to The Rosenthal China Corporation, a Corporation of China. Filed Apr. 14, 1922. Serial No. 1,756. Term of patent 14 years.



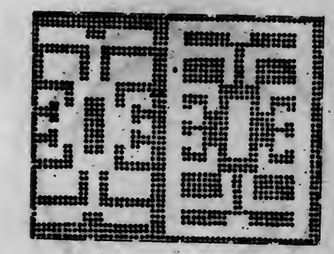
The ornamental design for a plate or similar article, as shown.

64,053. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,274. Term of patent 3½ years.



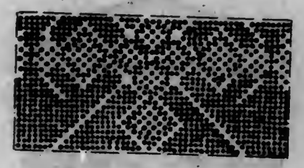
The ornamental design for a textile fabric or similar article as shown.

64,054. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,275. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

64,055. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,276. Term of patent 3½ years.



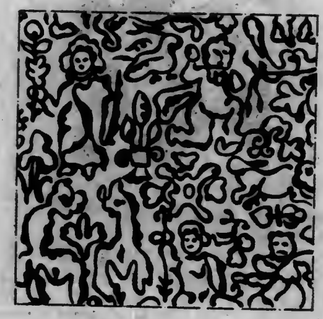
The ornamental design for a textile fabric or similar article as shown.

64,056. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,278. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

64,057. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,279. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

64,058. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,280. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

64,059. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,281. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown.

64,060. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Nov. 13, 1922. Serial No. 4,282. Term of patent 3½ years.



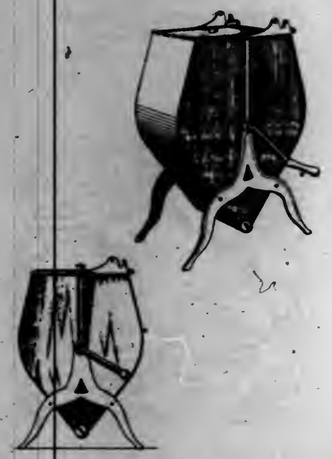
The ornamental design for a textile fabric or similar article as shown.

64,061. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,457. Term of patent 3½ years.



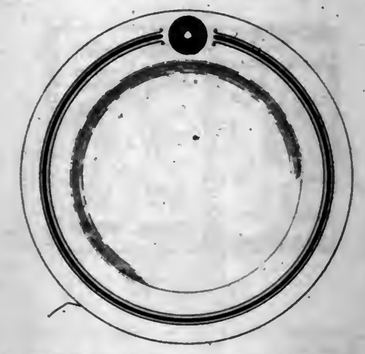
The ornamental design for a textile fabric or similar article as shown.

64,062. WASHING-MACHINE CASING. ZENO C. HABERMAN, Watertown, S. Dak. Filed Jan. 28, 1922. Serial No. 418. Term of patent 3½ years.



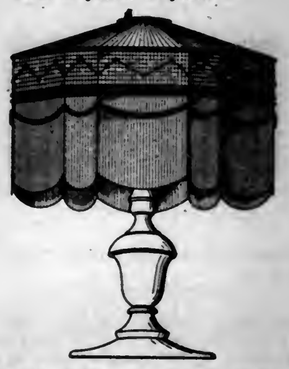
The ornamental design for a washing machine casing as shown.

64,063. PLATE OR SIMILAR ARTICLE. DORA BRANDT HANCOCK, St. Paul, Minn., assignor to The Tri-State Telephone and Telegraph Company, St. Paul, Minn., a Corporation of Maine. Filed Jan. 25, 1923. Serial No. 4,987. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

64,064. LAMP. HENRY A. HANSEN and ROY W. HANSEN, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,574. Term of patent 14 years.



The ornamental design for a lamp as shown.

64,065. COMBINATION LAMP AND PHONOGRAPH STAND. HENRY A. HANSEN and ROY W. HANSEN, Chicago, Ill. Filed Sept. 22, 1921. Serial No. 502,565. Term of patent 14 years.



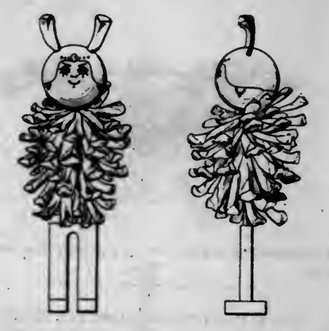
The ornamental design for combination lamp and phonograph stand, as shown.

64,066. LAMP PHONOGRAPH. HENRY A. HANSEN and ROY W. HANSEN, Chicago, Ill. Filed Feb. 13, 1922. Serial No. 681. Term of patent 7 years.



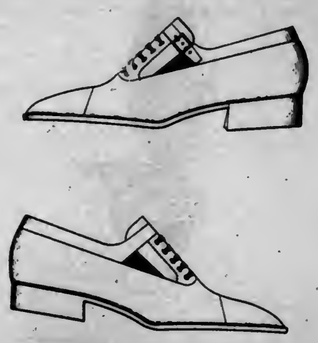
The ornamental design for a lamp phonograph as shown.

64,067. DOLL. FERN S. HEGGELUND, Deadwood, S. Dak. Filed July 25, 1923. Serial No. 6,864. Term of patent 7 years.



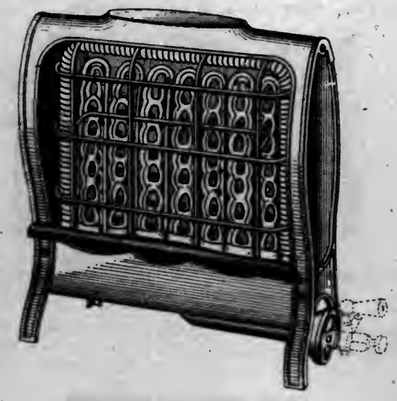
The ornamental design for a doll, as shown.

64,068. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,291. Term of patent 7 years.



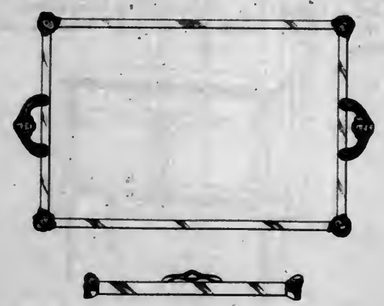
The ornamental design for a shoe, as shown.

64,069. GAS STOVE. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed May 9, 1922. Serial No. 2,151. Term of patent 3½ years.



The ornamental design for a gas stove, as shown.

64,070. TRAY. MAX LEVINE, New York, N. Y. Filed Sept. 18, 1923. Serial No. 7,259. Term of patent 7 years.



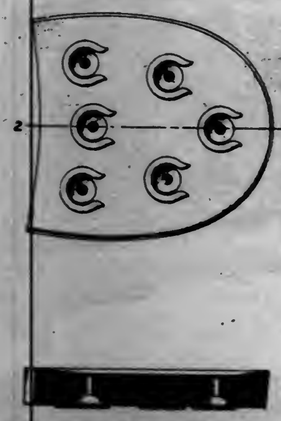
The ornamental design for a tray as shown.

64,071. SAFETY PAPER FOR TICKETS OR CARDS. CHARLES MANSHEL, Newark, N. J. Filed June 28, 1922. Serial No. 2,855. Term of patent 14 years.



The ornamental design for a safety paper for tickets or cards, as shown.

64,072. RUBBER HEEL FOR A BOOT OR SHOE. FRANCIS A. MCDONALD, Lambertville, N. J., assignor to Lambertville Rubber Company, Lambertville, N. J., a Corporation of New Jersey. Filed Aug. 10, 1922. Serial No. 3,839. Term of patent 7 years.



The ornamental design for a rubber heel for a boot or shoe, as shown.

64,073. CABINET FOR PHONOGRAPHS. WILLIAM MILLINGTON, Grand Rapids, Mich., assignor to The Aeolian Company, a Corporation of Connecticut. Filed July 15, 1921. Serial No. 485,089. Term of patent 7 years.



The ornamental design for a cabinet for phonographs, substantially as shown.

64,074. CABINET FOR PHONOGRAPHS. WILLIAM MILLINGTON, Grand Rapids, Mich., assignor to The Aeolian Company, a Corporation of Connecticut. Filed July 15, 1921. Serial No. 485,090. Term of patent 7 years.



The ornamental design for a cabinet for phonographs substantially as shown.

64,075. RING BODY FOR LAMP FIXTURES. ALBERT J. D. OHM, Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 7,559. Term of patent 3½ years.



The ornamental design for a ring body for lamp fixtures as shown.

64,076. RING BODY FOR LAMP FIXTURES. ALBERT J. D. OHM, Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 7,560. Term of patent 3½ years.



The ornamental design for a ring body for lamp fixtures as shown.

64,077. BACK PLATE FOR LAMP FIXTURES. ALBERT J. D. OHM, Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 7,561. Term of patent 3½ years.



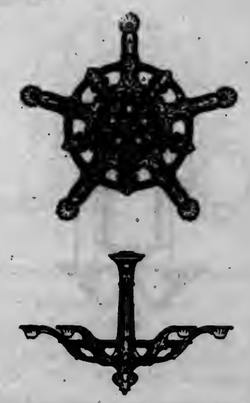
The ornamental design for a back plate for lamp fixtures as shown.

64,078. BACK PLATE FOR LAMP FIXTURES. ALBERT J. D. OHM, Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc., a Corporation of New York. Filed Oct. 20, 1923. Serial No. 7,562. Term of patent 3½ years.



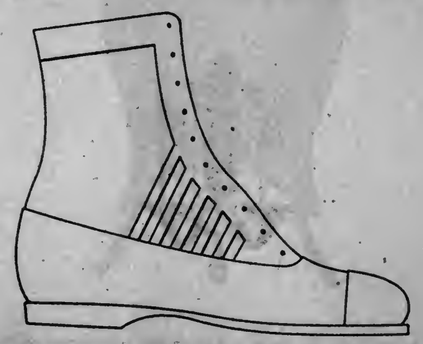
The ornamental design for a back plate for lamp fixtures as shown.

64,079. CHANDELIER BODY. FREDERICK MAX POSITZ, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 12, 1923. Serial No. 7,476. Term of patent 3½ years.



The ornamental design for a chandelier body, as shown.

64,080. SHOE. JACOB D. POSNER, New York, N. Y. Filed June 15, 1923. Serial No. 6,506. Term of patent 3½ years.



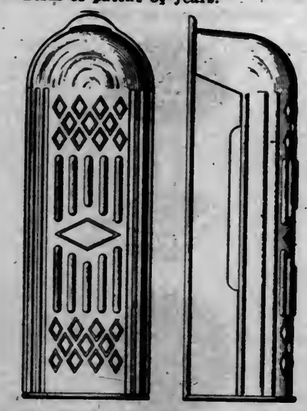
The ornamental design for a shoe, as shown.

64,081. COMBINATION SIGNAL AND LICENSE PLATE HOLDER. JACOB RUBINOFF, New York, N. Y. Filed July 25, 1923. Serial No. 6,855. Term of patent 3½ years.



The ornamental design for a combination signal and license plate holder substantially as shown.

64,082. CASING FOR DISINFECTOR. JOSEPH SILVERSTEIN, Brooklyn, N. Y. Filed Nov. 13, 1923. Serial No. 7,755. Term of patent 3½ years.



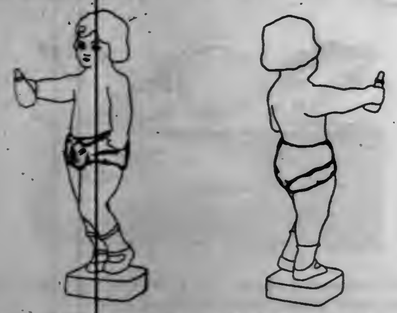
The ornamental design for a casing for disinfector, as shown.

64,083. SMOKER'S ASH TRAY. PATRICK H. SPILLANE, Washington, D. C. Filed Mar. 18, 1921. Serial No. 453,403. Term of patent 14 years.



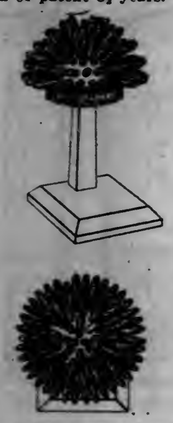
The ornamental design for a smoker's ash tray, as shown.

64,084. DOLL. MARGUERITE L. STONE, San Francisco, Calif. Filed Nov. 15, 1921. Serial No. 515,418. Term of patent 3½ years.



The ornamental design for a doll, as shown.

64,085. MERCHANDISE-DISPLAY STAND. HENRY SWADBA, Boston, Mass. Filed Aug. 30, 1922. Serial No. 3,595. Term of patent 3½ years.



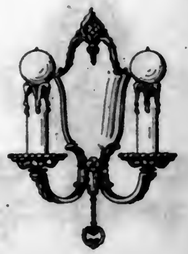
The ornamental design for merchandise display stand as shown and described.

64,086. DISH OR SIMILAR ARTICLE. JULES H. VENON, New York, N. Y. Filed Nov. 10, 1923. Serial No. 7,739. Term of patent 7 years.



The ornamental design for a dish or similar article, as shown.

64,087. LIGHTING FIXTURE. EDGAR A. WANGERSHEIM, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 7,408. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

64,088. LIGHTING FIXTURE. EDGAR A. WANGERSHEIM, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 7,409. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

64,089. LIGHTING FIXTURE. EDGAR A. WANGERSHEIM, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 7,410. Term of patent 3½ years.



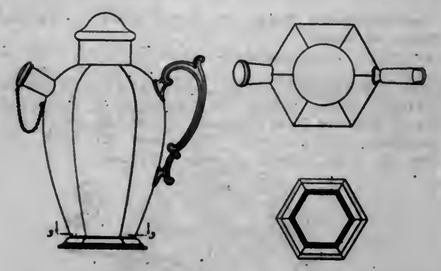
The ornamental design for a lighting fixture, as shown.

64,090. LIGHTING FIXTURE. EDGAR A. WANGERSHEIM, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 7,411. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

64,091. DRINK-MIXING RECEPTACLE. MORRIS WEINTRAUB, New York, N. Y. Filed Mar. 17, 1923. Serial No. 5,496. Term of patent 3½ years.



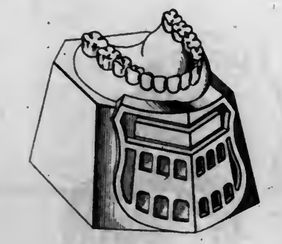
The ornamental design for a drink mixing receptacle as shown.

64,092. CHAIR OR SIMILAR ARTICLE. EDWIN BIRD WILSON, Forest Hills, N. Y. Filed July 24, 1923. Serial No. 6,844. Term of patent 14 years.



The ornamental design for a chair or similar article as shown.

64,093. ADVERTISING DISPLAY STAND. JOHN M. WILSON and GRANT W. SHERMAN, San Diego, Calif. Filed Nov. 10, 1923. Serial No. 7,742. Term of patent 3½ years.



The ornamental design for an advertising display stand as shown.

64,094. PENDANT. ANNA LYLE WHITCOMB, Los Angeles, Calif. Filed Apr. 16, 1923. Serial No. 5,826. Term of patent 7 years.



The ornamental design for a pendant, as shown.

64,095. HANDLE FOR MOTOR-VEHICLE DOORS. JOSEPH M. YATES, Charlotte, Mich., assignor to Hancock Manufacturing Company, Charlotte, Mich., a Corporation of Michigan. Filed Dec. 16, 1922. Serial No. 4,613. Term of patent 3½ years.



The ornamental design for a handle for motor vehicle doors substantially as shown.

64,096. WALL PLATE FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,312. Term of patent 7 years.



The ornamental design for a wall plate for lighting fixtures, as shown.

64,097. WALL PLATE FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,313. Term of patent 7 years.



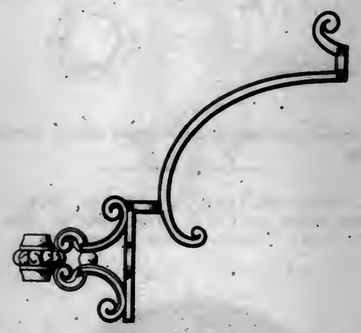
The ornamental design for a wall plate for lighting fixtures, as shown.

64,098. WALL PLATE FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,314. Term of patent 7 years.



The ornamental design for a wall plate for lighting fixtures, as shown.

64,099. BRACKET FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,315. Term of patent 7 years.



The ornamental design for a bracket for lighting fixtures, as shown.

64,100. BRACKET FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,316. Term of patent 7 years.



The ornamental design for a bracket for lighting fixtures, as shown.

64,101. HANGER FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,317. Term of patent 7 years.



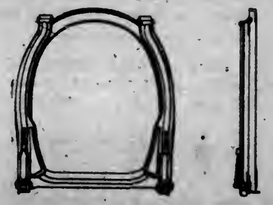
The ornamental design for a hanger for lighting fixtures, as shown.

64,102. PLATE FOR CHANDELIER FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Sept. 25, 1923. Serial No. 7,318. Term of patent 7 years.



The ornamental design for a plate for chandelier fixtures, as shown.

64,103. TENNIS-RACKET PRESS. ALEXANDER FORBES, London, England. Filed Mar. 26, 1923. Serial No. 5,588. Term of patent 14 years.



The ornamental design for a tennis-racket press as shown.

64,104. SHOE. EUGENE KEZY, Chicago, Ill. Filed Aug. 4, 1922. Serial No. 3,287. Term of patent 7 years.



The ornamental design for a shoe, as shown.

64,105. DRESS. EDWIN E. WOLF, New York, N. Y. Filed Jan. 26, 1924. Serial No. 8,424. Term of patent 3½ years.



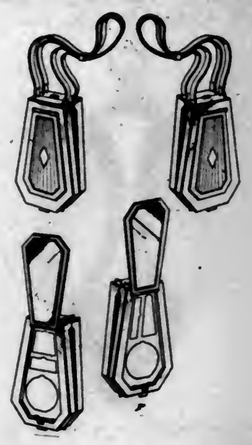
The ornamental design for a dress, substantially as shown and described.

64,106. DRESS. EDWIN E. WOLF, New York, N. Y. Filed Jan. 26, 1924. Serial No. 8,425. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown and described.

64,107. VANITY CASE. BENJAMIN B. DOWELL, Washington, D. C. Filed Mar. 28, 1923. Serial No. 5,625. Term of patent 14 years.

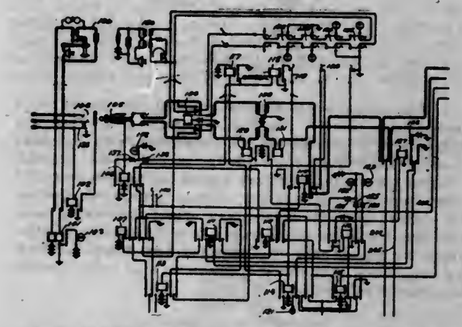


The ornamental design for a vanity case substantially as shown.

PATENTS

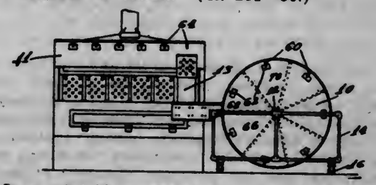
GRANTED FEBRUARY 26, 1924.

1,484,614. TELEPHONE SYSTEM. WALTER P. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,198. 5 Claims. (Cl. 179—27.)



1. In a telephone system, subscribers' lines, an operator's position having connecting circuits thereat, a telephone set, selective switches for extending said lines, a register sender for controlling said switches, a relay individual to each connecting circuit for connecting said circuits to the telephone set, means controlled by the register sender for rendering said relays effective to disconnect the connecting circuits from said telephone set, a common relay having its winding in circuit with said individual relays, and means controlled by said common relay for rendering said individual relays effective to disconnect the connecting circuits from the telephone set.

1,484,615. ROTATABLE CONVEYING TRUCK. VICTOR E. ADLAND, Chicago, Ill. Filed May 12, 1921. Serial No. 468,852. 5 Claims. (Cl. 281—50.)



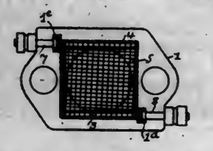
5. In a rotatable conveying truck for laundry articles or the like, the combination of a shelf for convenient loading and unloading of the truck, said shelf being of a triangular form and having provided thereon means adapted for the convenient positioning of the mouth of a laundry bag for the reception of articles.

1,484,616. ELECTRIC LIQUID AND GAS HEATER. IRVING E. ASKE, Duluth, Minn. Filed Dec. 2, 1920. Serial No. 427,806. 2 Claims. (Cl. 219—34.)



1. The combination of a frame, said frame being thicker at its opposite ends than at its opposite sides, of a wire screen comprising a wire wound from end to end upon said frame to produce a double wall screen, a second screen comprising a wire wound from side to side upon said frame to produce a double wall screen, both walls of said second screen extending between the walls of said first screen.

1,484,617. ELECTRIC LIQUID AND GAS HEATER. IRVING E. ASKE, Duluth, Minn. Filed Dec. 21, 1920. Serial No. 432,345. 4 Claims. (Cl. 219—38.)



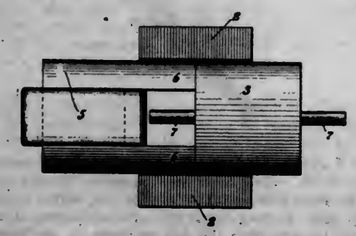
1. The combination of a frame having an aperture extending therethrough, of a screen comprising a wire wound from end to end upon said frame, a second screen comprising a wire wound from side to side upon said frame, said screens extending across said aperture, said wires being adapted to be connected in parallel to a source of electricity, and cement filling in the spaces around those portions of the screens and screen-wires between the periphery of said aperture and the periphery of said screen.

1,484,618. SKINNING KNIFE. ROBERT BLADES, Chicago, Ill. Filed Apr. 12, 1922. Serial No. 551,926. 8 Claims. (Cl. 17—21.)



1. A knife, a casing surrounding said knife and having a slot through which the cutting edge of the knife projects, and a connection through which fluid may be supplied to said casing.

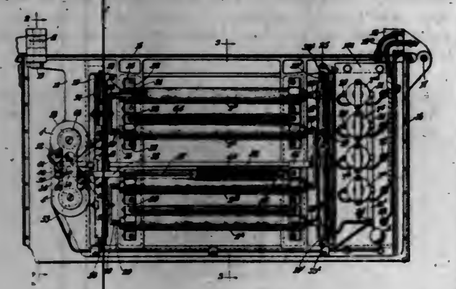
1,484,619. METHOD OF CHARGING PERMANENT MAGNETS. ELI J. BLAKE, Buffalo, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed May 22, 1919. Serial No. 298,848. 7 Claims. (Cl. 175—21.)



1. The method of magnetizing the permanent field magnets of a magneto-generator, which consists in substituting an electromagnetic core for the rotor core,

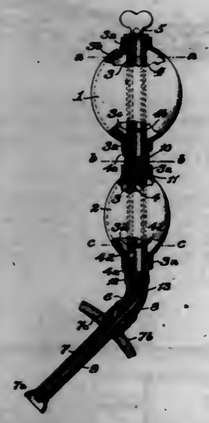
impressing a magneto-motive force on the field circuit through said electro-magnetic core and displacing the electromagnetic core by the rotor core, in such a manner as to maintain the continuity of the magnetic circuit of the magneto-generator.

1,484,620. ELECTRIC REGULATION. ELI J. BLAKE, Buffalo, N. Y., assignor to Gould Coupler Company, a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,852. 33 Claims. (Cl. 171—229.)



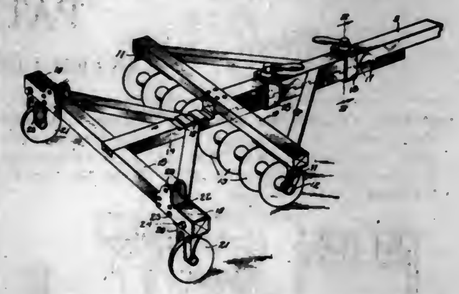
1. An electrical system having in combination a source of variable voltage, electric translating means connected to be supplied by said source, means for regulating the energy supplied by the source to the translating means comprising a variable resistance composed of a plurality of contacting electrodes and a fixed resistance in parallel therewith, both being in series with the translating means, a coil responsive to certain electrical variations in the system for controlling said regulating means and a resistance in shunt to said coil, said last mentioned resistance having a constant current characteristic.

1,484,621. VAGINAL SYRINGE. ROBERT I. BOND and FRANCIS W. JOHNSTONE, Fort Smith, Ark. Filed Oct. 15, 1921. Serial No. 507,842. 4 Claims. (Cl. 128—241.)



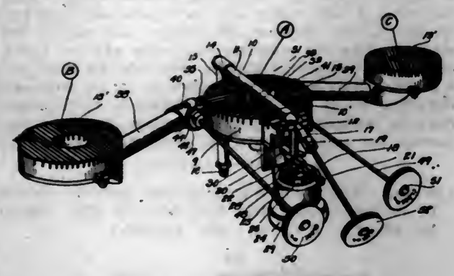
1. In a syringe, the combination of a liquid reservoir; an ejector; a valve controlled passage, communicating with the reservoir and the ejector; a valve controlled delivery pipe leading from the ejector; a liquid return flow pipe, leading from the delivery pipe to the reservoir, and passing through said ejector without communicating therewith, and a check valve between said reservoir and said ejector.

1,484,622. TRANSPORTING DEVICE FOR DISK CULTIVATORS. JOHN C. CLAUS, St. Louis, Mo., assignor to Simon Jankowsky, Tulsa, Okla. Filed May 24, 1920. Serial No. 383,710. 5 Claims. (Cl. 280—61.)



1. The combination with a wheeled implement of a transporting device therefor, comprising a T frame adapted to be secured to the implement with its cross member extending transversely at the rear thereof, wheeled supporting members hinged at the ends of said cross members and having wheels journalled thereon for contact with the ground, said wheel supporting members being adapted to be swung into inoperative position along the top of said cross member and means for locking said wheel supporting members to said cross member in inoperative position.

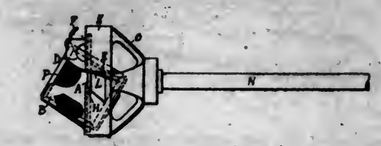
1,484,623. OIL BURNER. WILLIAM C. COLEMAN, Wichita, Kans. Filed Mar. 24, 1922. Serial No. 546,299. 1 Claim. (Cl. 158—59.)



In combination, a primary burner and auxiliary burners, a single gasifying chamber, and a single mixing chamber for supplying all of the burners, the primary burner having a burner chamber underlying the gasifying chamber and overlying the mixing chamber, and having conduits leading laterally from the mixing chamber upwardly into the gasifying chamber, a manifold opening to the outer end of the mixing chamber, conduits leading from the manifold to the auxiliary burners, and separate means controlling flow through the respective auxiliary burner conduits, flow from the mixing chamber to the primary burner chamber being unobstructed, whereby the primary burner may be operated alone and the auxiliary burners operated selectively but only in conjunction with the primary burner.

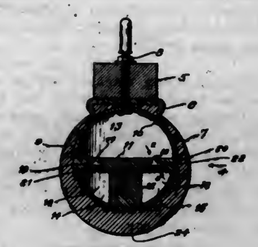
1,484,624. LOCK-STITCH MECHANISM FOR SEWING MACHINES. JOSEPH COOPER, Ashton-under-Lyne, England. Filed Nov. 27, 1920. Serial No. 426,682. 1 Claim. (Cl. 112—228.)

In a lock stitch mechanism for sewing machines, the combination of a ring having formed therein a hook adapted to engage the needle thread loop and pass it around the bobbin of the underthread, a race plate carrying a bobbin casing in a position inclined to the vertical, said race plate forming a bearing for said ring, and having a portion of its periphery cut away to form a recess between it and the ring, and a spreading device comprising a plate secured to said bobbin casing and having its



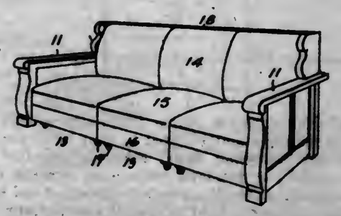
upper surface curved, said spreading plate being provided with a pair of integral ribs extending to the rear of the bobbin casing and a curved tongue adapted to engage a fixed part of the machine, said spreading device being so disposed with relation to the bobbin casing that the needle thread loop will be held clear of the bobbin.

1,484,625. TIRE TUBE. THOMAS J. COOPER, Paterson, N. J. Filed Feb. 28, 1921. Serial No. 448,871. 1 Claim. (Cl. 152—22.)



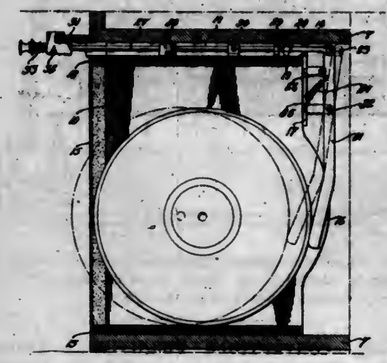
In a tire formed as a ring shaped tube, a continuous cylindrical septum within said tube, the ends of said septum having air tight unions with said tube, and a single continuous annular septum within said tube, one edge of said annular septum having an air tight union with said cylindrical septum and the other edge of said annular septum having an air tight union with said tube around the interior surface thereof having the longer radius of curvature, said septa being so disposed that stresses upon the tread of said tire are transmitted by said annular septum to said cylindrical septum and are partly resisted by the transverse resistance of said cylindrical septum.

1,484,626. DIVAN, COUCH, AND THE LIKE. RUDOLPH COOPERSMITH, Montreal, Quebec, Canada, assignor of one-half to Abraham Ruche, Philadelphia, Pa. Filed Nov. 8, 1920. Serial No. 422,704. 8 Claims. (Cl. 5—12.)



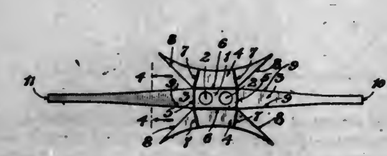
1. An article of furniture comprising a plurality of chairs, a framework adapted to enclose said chairs and hold the same in alignment side by side to form a couch or the like, and a folding bed normally housed in a framework and concealed by the chairs.

1,484,627. RECORD-EJECTING DEVICE. DONATO DI CARLO, Philadelphia, Pa. Filed Aug. 14, 1922. Serial No. 581,580. 8 Claims. (Cl. 211—16.)



1. A compartment having a series of cells adapted to receive records; a series of levers mounted in the rear of the cells, one end of each lever being adapted to engage a record, the other end having a contact member whereby the lever may be actuated, and a push-rod adapted to be swung into position for direct engagement with any selected contact member.

1,484,628. PROCESS AND BLANK FOR MAKING FINGER RINGS. HARRY DINHOFER, New York, N. Y. Filed May 1, 1923. Serial No. 635,906. 4 Claims. (Cl. 29—160.6.)

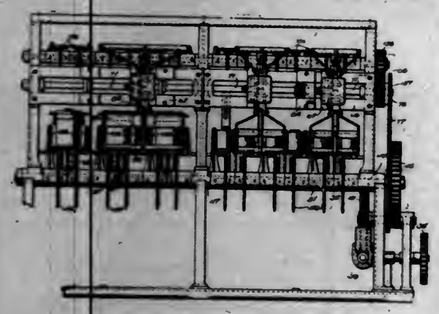


4. The process of forming a finger ring consisting of producing a flat strip of metal having shank portions, a top and side wings integrally connected, of folding said shank portions and side wings away from the top to bring the side edges of said side wings into contact with the edges of the shank portions and uniting the meeting edges of the wings and shank portions together.

1,484,629. CAN-DRYING APPARATUS. FELIX EBERHART, Newark, and PAUL W. FLEISCHER, Weehawken Heights, N. J.; and CHARLES H. BUHMAN, New York, N. Y., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1920. Serial No. 353,807. 25 Claims. (Cl. 34—12).

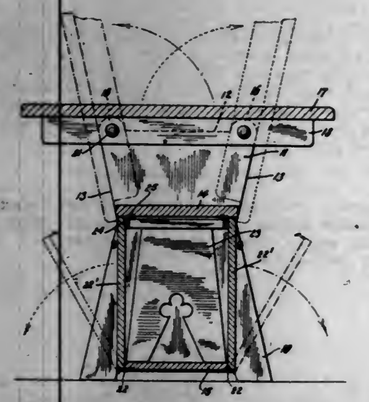
1. An apparatus for operating upon cans comprising, in combination, an enclosed heating chamber, a plurality of pairs of separate conveyors moving lengthwise of said chamber side by side and around horizontal axes, a shaft for driving said conveyors extending transversely through

the units of said pairs, means rotating on vertical axes for transferring cans from one conveyor to the other of



its pair whereby to permit the cans to pass through the chamber a plurality of times on said conveyors, and burners arranged beneath said conveyors.

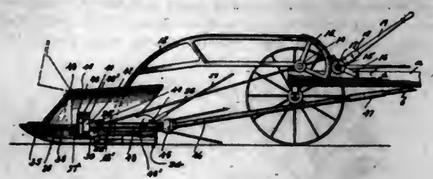
1,484,630. CONVERTIBLE FURNITURE. CHARLES ECKENWALDER, New York, N. Y. Filed Nov. 10, 1921. Serial No. 514,310. 2 Claims. (Cl. 155—43.)



1. An article of furniture comprising a support having two uprights, the upper portion of each upright being trapeziform and the longer one of the two parallel sides of the trapezium forming the upper edge of the upright, a horizontal plate spacing and securing together said uprights, said plate joining the trapeziform portions of said uprights, a table top resting on said uprights and projecting longitudinally beyond the same on each side a distance which is somewhat greater than the length of one of the non-parallel sides of said trapeziform portions, two sets of pivot pins extending through said uprights and said table top, each set being disposed close to the respective non-parallel sides of the said trapeziform portions, said table top being adapted to be swung around either set of said pins when the other set is disengaged from said top and said uprights into abutment with those non-parallel sides of said trapeziform sections adjacent which the pivot pins are left in said uprights, thereby forming a back for the seat constituted by said plate.

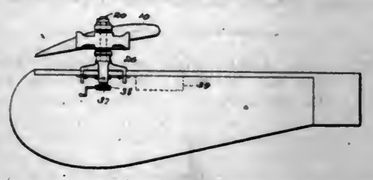
1,484,631. MOWER. WILLIAM FAETHE, Raven Rock, N. J. Filed Oct. 12, 1921. Serial No. 507,189. 10 Claims. (Cl. 56—25.)

1. A mower having a cutter frame and cutter bar, said frame and cutter bar having end sections and a central section, the sections of said cutter frame being pivotally connected together and the sections of the cutter bar being separated and linked together to enable the raising



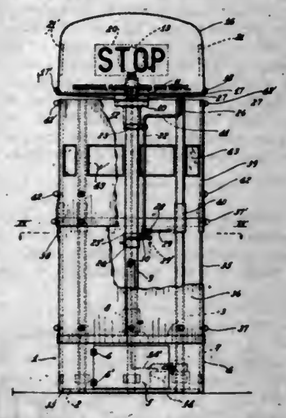
and lowering of the end sections and means for raising and lowering the central section of said cutter frame.

1,484,632. HELICOPTER FLYING MACHINE. ELISHA N. FALES, Dayton, Ohio. Filed May 11, 1921. Serial No. 468,740. 3 Claims. (Cl. 244—15.)



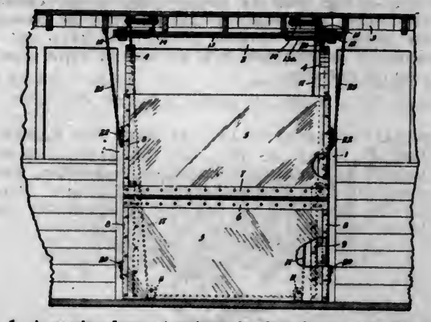
1. In a helicopter flying machine, wings extending in opposite direction from the center of the machine and having their leading edges disposed reversely to each other, propelling means for said wings, a car suspended from the center of the machine and having a swiveled connection with the superposed wing structure, means for disconnecting the car from the wing structure while in flight, and a releasable parachute attached to and normally housed within the car.

1,484,633. TRAFFIC SIGNAL. JAMES J. FLANNERY, Jr., Pittsburgh, Pa. Filed May 11, 1923. Serial No. 638,202. 5 Claims. (Cl. 116—63.)



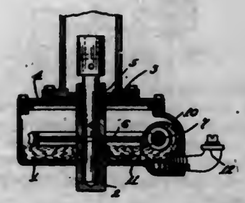
3. A traffic signaling device comprising a base, an upright supporting standard fixed to said base, a combined canopy and indicating signal rotatably mounted at the upper end of the standard, means for rotating the said canopy-signal, a handle pivotally attached to the said means and normally urged to assume substantially vertical position under the influence of gravity, and a notched retaining element disposed below the handle and in the path of movement thereof, whereby upon release of the handle by the operative, the same will swing downwardly and engage one of the said notches to prevent movement of the said signal.

1,484,634. GRAIN-DOOR STRUCTURE. CLARENCE H. FOSS, Minot, N. Dak. Filed Mar. 11, 1922. Serial No. 542,857. 9 Claims. (Cl. 20—32.)



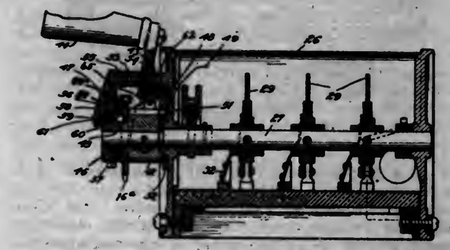
1. A grain door structure having in combination a door comprising hinged sections, a guideway for guiding said door in its opening movement, a flexible member attached to said door and a rotatable differentially operating means comprising a shaft of different diameters to which the ends of said flexible member are secured for moving said flexible means to raise said door, said flexible member, when the door is closed, being wound about the smaller end of said shaft.

1,484,635. LUBRICATING SYSTEM FOR GEARING. CHARLES W. FRANCIS, Paterson, N. J., assignor, by mesne assignments, to Eden Washer Corporation, a Corporation of Delaware. Filed Feb. 18, 1922. Serial No. 537,473. 2 Claims. (Cl. 74—36.)



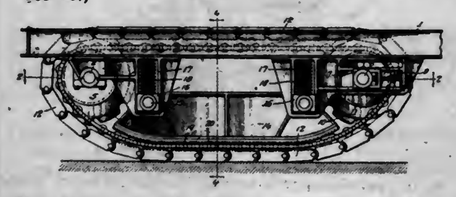
3. In a lubricating system for intermeshing gears, a stationary curved deflector for guiding the lubricant over the intermeshing teeth, and means for deflecting the lubricant against said stationary deflector.

1,484,636. RAISING AND LOWERING MACHINE. GEORGE M. FRENCH, Chicago, Ill., assignor to Economy Engineering Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 10, 1921. Serial No. 436,084. 13 Claims. (Cl. 187—35.)



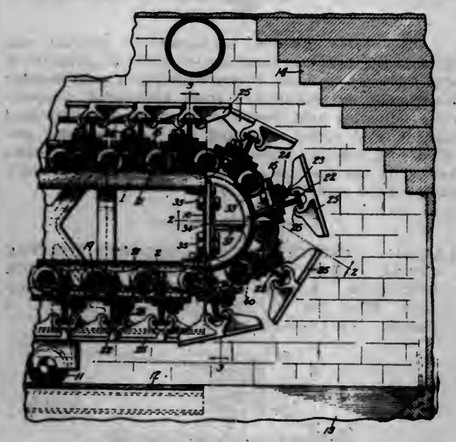
5. A controller for an electric motor comprising, in combination, switch mechanism operable to open and close the motor circuit, an operating member for said mechanism, actuating means for said operating member, and means operatively associated with said operating member adapted normally to lock it with reference to said actuating means and operable in the movement of the operating member by said actuating means to lock the operating member against movement while permitting the actuating means to continue its movement.

1,484,637. TRACTOR. JAMES C. FRENCH, Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Feb. 5, 1918. Serial No. 215,433. 6 Claims. (Cl. 305—9.)



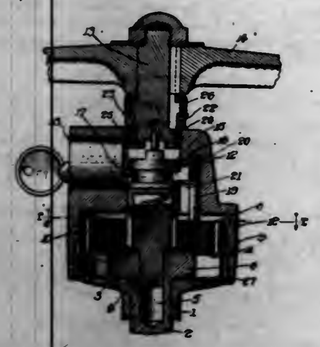
1. In a tractor, a body frame, a rear axle supported in bearings on said frame, a belt-wheel on said axle, a front axle, a belt-wheel on said front axle, an endless traction belt on said belt-wheels, a shoe to communicate the weight of said body frame to the lower portion of said belt, a spring to support the body frame on the front end of said shoe, a spring to support the body frame on the rear end of said shoe, so that the entire load weight is communicated through said springs to the shoe, permitting the shoe and body frame to move bodily toward each other, and whereby either end of said shoe may tilt upward and vertical guides for the front and rear ends of said shoe.

1,484,638. STOKER. JOHN S. S. FULTON, Chicago, Ill. Filed Mar. 15, 1920. Serial No. 365,934. 5 Claims. (Cl. 110—40.)



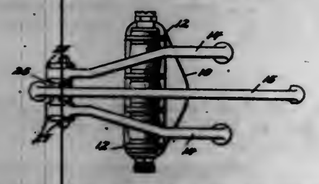
1. In an automatic stoker, a frame, upper and lower guide tracks carried by said frame, endless chains made up of a plurality of links, fuel supporting mechanism mounted thereon, two sets of supporting rollers carried by each of said chains, one set of rollers operating on the upper guide tracks and the other set of rollers operating on the lower guide tracks, and means mounted on said frame arranged to cooperate with the first mentioned rollers and the second mentioned rollers for carrying links and rollers from the upper to the lower guide tacks.

1,484,639. ARMORING MEANS. HARRY F. GEORGE, Chicago, Ill. Filed Dec. 15, 1921. Serial No. 522,458. 11 Claims. (Cl. 70—129.)



8. In combination, the housing for the planetary gearing of an automobile steering gear, a housing cover adapted to fit over and cover said housing on the side thereof, and protecting means, non-removable except when said cover is removed, for protecting said housing from attack from below.

1,484,640. VALVE-ADJUSTING MEANS. ROBERT M. GETCHELL, Dayton, Ohio. Filed Dec. 15, 1921. Serial No. 522,600. 4 Claims. (Cl. 123—90.)



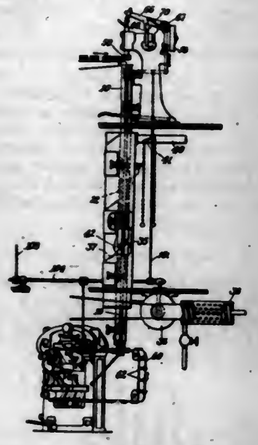
3. In a valve operating mechanism for internal combustion engines, the combination with a plurality of synchronously operated rocker arms, of a yoke member interconnecting said rocker arms, means for independently adjusting said rocker arms with relation to said member, said rocker arms and yoke member being provided with coacting curved surfaces having their centers located in the fulcrum axis of said rocker arms, and a push rod for actuating said yoke.

1,484,641. LUBRICATING ARRANGEMENT FOR THE CRANK CASES OR OIL CHAMBERS OF MOTOR VEHICLES. WALTER ERNEST GOODWIN, Sale, England. Filed Oct. 27, 1922. Serial No. 597,247. 4 Claims. (Cl. 184—103.)



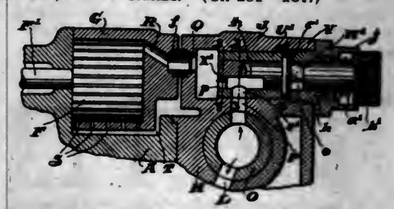
1. Means for supplying lubricant to a crank case, sumph or other chamber adapted to receive lubricant, comprising an oil reservoir, a hand-actuated forcing device drawing from the reservoir, a float chamber, a passageway between the float chamber and the receiving chamber, a float in the float chamber, a control valve operated by the said float, a casing for the control valve, a pipe leading from the forcing device to the control valve casing, a passageway leading from the control valve casing to the chamber receiving lubricant, and a passageway leading back from the control valve casing to the oil reservoir.

1,484,642. METHOD OF AND MACHINE FOR MAKING HEELS. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 18, 1918, Serial No. 258,722. Renewed Nov. 24, 1923. 46 Claims. (Cl. 12—42.)



1. That improvement in methods of pressing wedge heels, which consists in superimposing the base face of one heel upon the base face of another heel having the same wedge or taper and which is turned 180 degrees to present its breast face under the rear end of the superposed heel, and applying pressure through the top lift ends of the heels.

1,484,643. HAND REGULATING VALVE FOR ROTATION MOTORS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Mar. 23, 1922, Serial No. 545,991. Patent No. 1,456,234. Divided and this application filed Apr. 13, 1923. Serial No. 631,757. 2 Claims. (Cl. 251—137.)



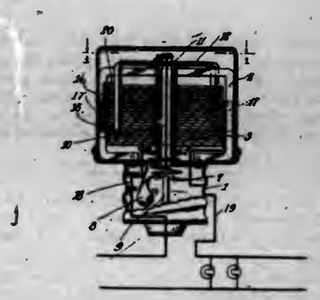
1. In a fluid actuated rock drill of the hammer type, the combination of a rotation motor and a valve for controlling the supply of fluid to said motor, said valve comprising a casing, a cylindrical valve cage removably secured in said casing and affording communication between the fluid supply and the motor, a rotatable and longitudinally movable valve stem in said cage having a head and a reduced portion rearwardly of the head, a spring for normally retracting the stem and a stop limiting the movement of the stem, the valve head normally permitting a continuous flow of motive fluid to the motor through the cage, and the supply to the motor being increased by moving the stem and valve head inwardly towards the motor.

1,484,644. SIGN. JOHN L. HEWITT, Philadelphia, Pa. Filed May 10, 1923. Serial No. 638,001. 10 Claims. (Cl. 40—134.)



1. A device of the character described, comprising a back member having edges affording a yieldable outset angled perimeter, a superposed transparent face member having an inwardly scalloped peripheral edge and bearing advertising matter, said outset perimeter being adapted for compression into frictional engagement with the inwardly scalloped peripheral edge of said face member, and supporting portions integral with the back member but independent of the face member.

1,484,645. CIRCUIT BREAKER. CHARLES F. HOLMES, Chicago, Ill. Filed Apr. 15, 1922. Serial No. 552,964. 7 Claims. (Cl. 200—106.)

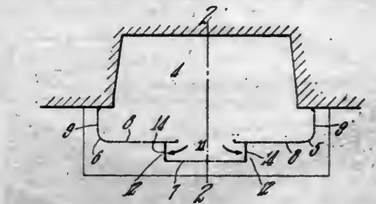


6. A device of the character described comprising a yoke having a magnetic core mounted thereon; contacts mounted at opposite sides of said yoke; a U-shaped member rotatably mounted upon said yoke; trigger mechanism for holding the legs of said member in engagement with said contacts; and armature for actuating said trigger mechanism to release said member.

7. A device of the character described comprising a yoke having a magnetic core mounted thereon; contacts mounted at opposite sides of said yoke; a U-shaped member rotatably mounted upon said yoke; resilient contact fingers mounted upon the legs of said U-shaped member and adapted to engage said contacts; trigger mechanism for holding said U-shaped member in engagement with said contacts; and an armature adapted to be operated by said magnetic core for actuating said trigger mechanism to release said U-shaped member.

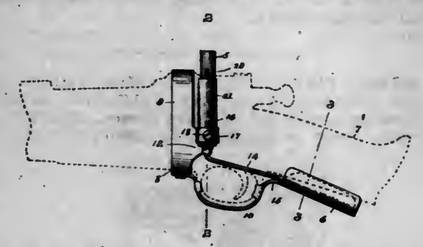
1,484,646. FIRE SCREEN. HARRY B. HOPSON, Springfield, Mass. Filed Nov. 6, 1922. Serial No. 599,452. 5 Claims. (Cl. 126—202.)

1. A fire screen comprising right and left screen sections arranged in the same plane and spaced edgewise from one another to provide an unobstructed outlet opening for heat, and a third screen section extending in front of said outlet opening and spaced from the plane of said



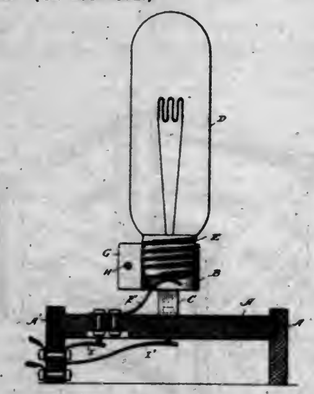
right and left sections to arrest sparks thrown through said opening and to divert in opposite directions the heat which passes through said opening.

1,484,647. FLINCH INDICATOR FOR FIREARMS. DUDLEY B. HOWARD, Washington, D. C. Filed June 8, 1921. Serial No. 474,871. 11 Claims. (Cl. 42—1.)



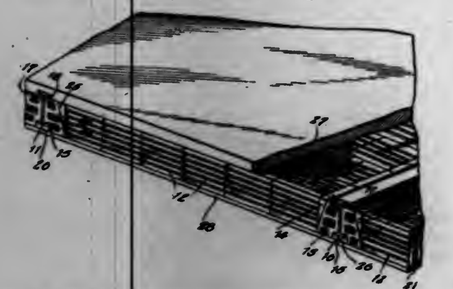
1. In a firearm accessory, a changeable indicating element, means responsive to the trigger-actuating operation of a firer for transmitting motion to the indicating element, and means adapted to cause a relatively permanent change in the indicating element upon the transmission of motion of predetermined velocity to the said element.

1,484,648. MOUNTING FOR PICTURE-PROJECTING LIGHTS. CHARLES FRANCIS JENKINS, Washington, D. C. Filed July 18, 1918. Serial No. 245,484. 2 Claims. (Cl. 173—342.)



1. The combination with supporting members provided with ways, of an insulating plate sliding in said ways, a compressing lamp socket having an internally smooth cylindrical surface, supported from the plate and provided with a terminal through which circuit may be made through the socket as the plate slides and broken by opposite sliding.

1,484,649. FLAT-ARCH FLOOR CONSTRUCTION. ERNEST V. JOHNSON, Chicago, Ill. Filed Mar. 8, 1920. Serial No. 364,017. 3 Claims. (Cl. 72—66.)



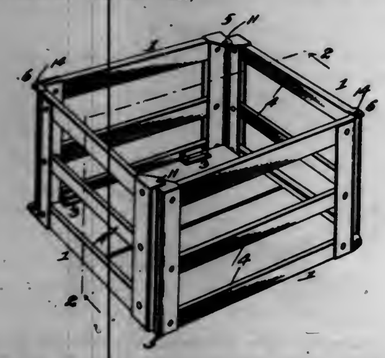
1. A flat arch floor construction, comprising supports, a substantially flat tile body therebetween and comprising blocks of duplicated rectangular hexahedron form and arranged in courses, and wedge blocks between course ends and the supports.

1,484,650. PISTOL AND MECHANISM WHICH CAN BE CONCEALED IN ANY PORTABLE OBJECT. CAMILLE JORIOT, Lac-on-Villers, France. Filed Nov. 6, 1922. Serial No. 599,389. 1 Claim. (Cl. 42—52.)



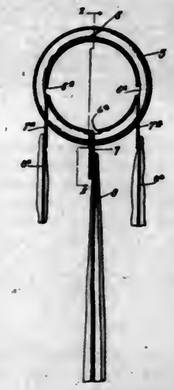
A pistol mechanism, adapted to be concealed in a portable object, comprising the combination with a plurality of striking or firing pins, of a revoluble plate having at its edge a series of teeth, said plate being provided with a plurality of holes for the passage of said pins when said holes are brought into register with said pins, said plate normally serving to hold said pins in "cocked" position, and means for rotating said plate step by step to permit the passage of said pins through said plate in successively firing the cartridges placed in barrels in the pistol.

1,484,651. FOLDING CRATE. EMANUEL A. KAMERER, Cedar, Iowa. Filed Jan. 26, 1923. Serial No. 615,117. 5 Claims. (Cl. 217—48.)



1. In a device of the class described, the combination of a plurality of side sections, a pair of primary hinge devices connecting some of said side sections together, a pair of auxiliary hinge devices connecting some of said side sections together, each of said primary hinge devices comprising sections, each section of the primary hinge device comprising a U-shaped body provided at its ends with overhanging, apertured lips, means connecting the lips of the sections of the primary hinge devices together, and hinged bottom sections secured to some of said side sections.

1,484,652. CURTAIN RING. ANTON KELLER, Birmingham, Ala. Filed May 20, 1922. Serial No. 562,380. 8 Claims. (Cl. 156—21.)



5. A circular curtain ring of the class described in combination, having a diagonal split at the top, a dovetailed notch cut at the bottom in the inner periphery, and two dovetailed notches cut in the inner periphery opposite each other and at right angles to the bottom dovetailed notch, all of the said notches being symmetrical.

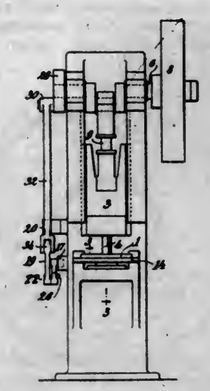
1,484,653. APPARATUS FOR ELECTROGALVANIZING. FELIX KIRSCHNER, Vienna, Austria. Filed Jan. 31, 1923. Serial No. 616,041. 5 Claims. (Cl. 204—5.)



1. An apparatus for electrogalvanizing, comprising a trough for the electrolyte and through which the articles to be galvanized are adapted to travel, a conduit having its opposite ends connected to the trough adjacent the opposite ends of the latter, and means in said conduit for effecting forced circulation of the electrolyte through the trough in a direction opposite that in which the articles to be galvanized travel.

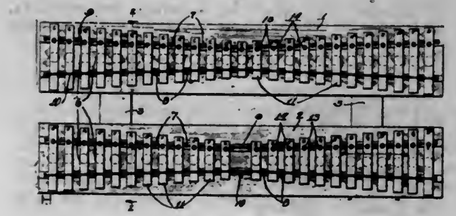
1,484,654. MECHANICAL MOVEMENT. WILLIAM KLOCKE and JOHN E. DOBSON, New York, N. Y., assignors to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Dec. 6, 1921. Serial No. 520,308. 12 Claims. (Cl. 74—14.)

1. A mechanical movement comprising a rocking part, a toggle connected at one end thereto and adapted at its opposite end to swing around said rocking part, a guide attached to the swinging end of said toggle, and means



for swinging said toggle whereby said rocking part is turned.

1,484,655. CHIMES. JOHN B. KOHLER, Chicago, Ill. Filed Nov. 1, 1920. Serial No. 420,887. 8 Claims. (Cl. 84—403.)



3. A musical instrument comprising a plurality of apertured sound boxes, a plurality of tone bars of different lengths, and means for supporting the tone bars on the sound boxes in graduated relation with the longest tone bars at the ends and with the shortest tone bars at the middle of the sound boxes, said tone bars being of different pitch and arranged to give a succession of major thirds so that adjacent bars are four semitones apart to eliminate tonal interferences.

1,484,656. PLANT PRODUCT. LEOPOLD KOROPP and VICTOR F. BERGMAN, Chicago, Ill. Filed Aug. 2, 1919. Serial No. 314,812. 1 Claim. (Cl. 41—18.)



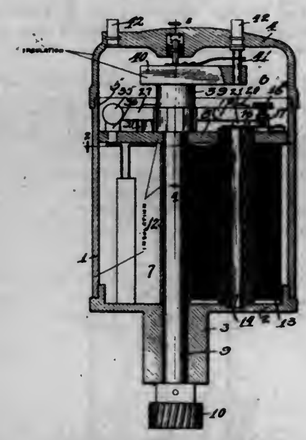
A decorative product comprising a natural plant part having a varnish-like coating with particles of pigment severally more or less dissolved and spread therein and with the remainder set firmly in the coating.

1,484,657. RAZOR-BLADE-STROPPING HANDLE. CHARLES F. LARZELERE, Flint, Mich., assignor of one-half to Ezariah D. Gardner, Flint, Mich. Filed July 2, 1921. Serial No. 482,091. 5 Claims. (Cl. 30—25.)



1. A razor blade stropping handle comprising a tubular member slitted to receive the edge of a razor blade having projections at opposite ends thereof, one of said projections being adapted to underlap the portion of said tube at one end of said slit, a tubular member telescoping over said first-mentioned member and overlapping the projection at the opposite end of said blade, and resilient yieldable means for relatively moving said members into collapsed position.

1,484,658. IGNITION SYSTEM. JOHN W. LAUREN, Chicago, Ill., assignor to Simplex Ignition Corporation, a Corporation of Delaware. Filed Feb. 7, 1921. Serial No. 442,907. 5 Claims. (Cl. 123—148.)



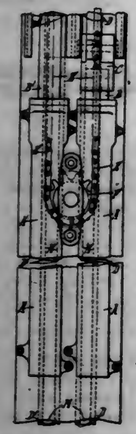
1. An ignition unit comprising a casing, a wall dividing the casing into separate chambers, an induction coil in one chamber, a core in the induction coil having one end extending through the dividing wall into the other chamber, a vibrator in said other chamber associated with the extending end of the core, and timing and distributor mechanisms mounted in said other chamber and co-acting with said coil and a source of electrical energy to produce a properly timed and distributed ignition spark.

1,484,659. HOIST ESPECIALLY SUITABLE FOR RAISING PROJECTILES ON BOARD SHIP. HUGH WARREN LEE and JOHN WINDLOW SWINDALE, Newcastle-upon-Tyne, England, assignors to Sir W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Filed Apr. 26, 1923. Serial No. 634,714. 7 Claims. (Cl. 89—46.)

1. In a hoist, the combination of a pair of bars, lifting arms pivoted to each bar, a pair of hydraulic rams one connected to each bar, two fixed sprocket wheels, a chain passing round the wheels and connected to the two bars and means for turning the arms on their pivots.

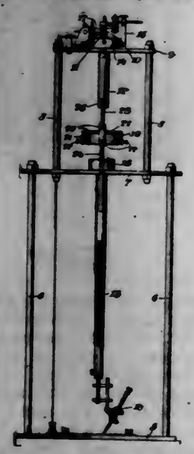
7. In a hoist, the combination of a pair of bars, means for moving them up and down alternately, lifting arms pivoted to each bar, a rod connecting the arms of

each bar, fingers pivoted to each bar and connected to the rod thereof, a cam plate adapted to turn the fingers of each bar near the end of the travel thereof and so to



move the rod of that bar relatively to that bar and means whereby the normal movements of each rod relative to its bar can be reversed.

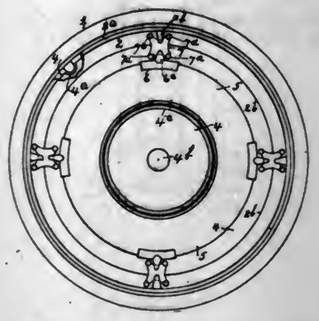
1,484,660. UNIVERSAL LEVER COUPLING. ALFRED MCEWEN, Tarrytown, N. Y. Filed July 13, 1923. Serial No. 651,761. 4 Claims. (Cl. 74—5.)



1. The combination with primary and secondary levers having spaced apart fulcra, of a universal coupling for said levers, said coupling comprising a universal joint element having two independently movable members, and adjustable connections between said members and the respective levers, whereby the joint element can be positioned with its axes above or below the fulcrum of the primary lever.

1,484,661. SHOCK-ABSORBING WHEEL FOR VEHICLES. AUSTIN A. MENDENHALL, Duluth, Minn. Filed May 12, 1922. Serial No. 560,456. 6 Claims. (Cl. 152—46.)

1. In a shock absorbing wheel, the combination with a felloe of a hub member within said felloe, said hub member being adapted to play in a vertical plane with respect to said felloe, a resilient tire within said felloe and mounted upon said hub member at one side thereof, plates positioned at intervals around said resilient tire and adapted to bear against the tread or crest thereof, said plates having transversely extending saddles positioned upon their outer faces, rocker spokes loosely



mounted upon said saddles, stationary pillows interposed between said spokes and said felloe, said spokes being adapted to rock at one end upon said pillows and at the opposite end upon said saddles, and means for preventing the disengagement of said spokes from said saddles and pillows.

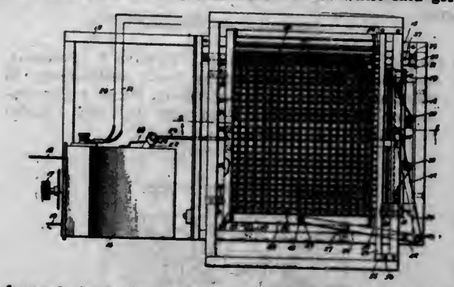
1,484,662. CHUCKING ATTACHMENT FOR THREADING MACHINES. HACKLEY MORRISON, Richmond, Va. Filed May 25, 1921. Serial No. 472,457. 17 Claims. (Cl. 10—1.)

1. The combination with a machine for threading relatively short blanks, said machine having a rotary die head and a work holding chuck reciprocable toward and from said die head, of means independent of said chuck for supporting a blank in axial alinement with said die head and in position to enter the chuck as the latter is moved toward said die head.

1,484,663. X-RAY FILTER. ARTHUR MUTSCHELLER, New York, N. Y., assignor to Wappler Electric Co., Inc., a Corporation of New York. Filed Sept. 16, 1921. Serial No. 501,091. 13 Claims. (Cl. 250—34.)

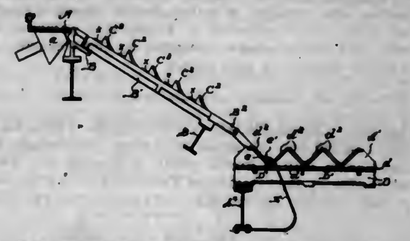
1. In an X-ray filter the combination, with a framework and a grid frame carried by said framework and movable relatively thereto back and forth in a predetermined plane, of a plurality of slats mounted upon said grid frame and made of material opaque to X-rays, said slats being

inclined to different angles relatively to said grid frame, and means for causing said slats to rock while said grid



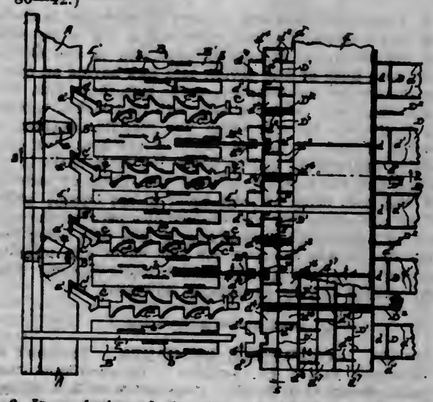
frame is in motion, in order to facilitate the passage between said slats of primary X-rays proceeding directly from said X-ray tube.

1,484,664. COOLING BED. WILLIAM BERGER NELSON, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,574. 3 Claims. (Cl. 198—219.)



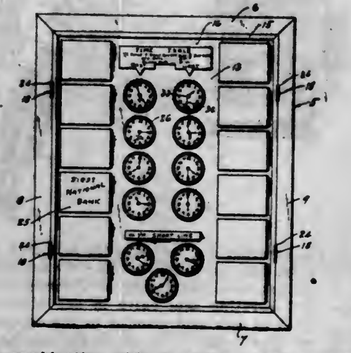
1. In a cooling bed, an inclined skid-section, a horizontal rack-section having a series of pockets arranged in horizontal rows along its length, and a guide mounted below the initial pocket of each of a plurality of the racks and constructed to restrain the stock from turning as it passes from the skid-section to the rack-section.

1,484,665. COOLING BED. WILLIAM B. NELSON, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 15, 1922. Serial No. 553,258. 7 Claims. (Cl. 80—42.)



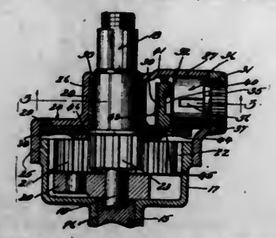
6. In a device of the class described, a rack-section composed of a series of racks constructed with flat bases and vertical spaced webs inside the margins of the bases and having a series of pockets, plates on the racks constructed to form an open-top trough closing the front and rear of the initial pocket therein and extending across the passages between the webs of adjacent racks, a cover extending lengthwise of the section and covering a plurality of the pockets of each rack, and spring-arms constructed to movably suspend the plate in its normal position.

1,484,666. ADVERTISING DEVICE. CHARLES F. NOLL, Sistersville, W. Va. Filed Dec. 12, 1921. Serial No. 521,918. 2 Claims. (Cl. 40—125.)



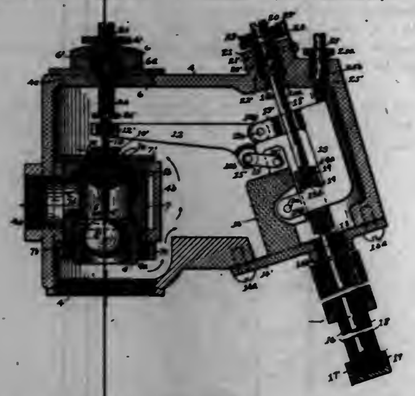
2. The combination with an article to be displayed, of means for supporting the article comprising a strip of fabric having a perforation at one end, a pin inserted through said perforation and having a portion on the back of the fabric strip larger than the perforation, the fabric strip being folded over the head of said enlarged portion of the pin and caused to adhere to the back of the article to be displayed and whereby to provide a prong by which the article may be supported.

1,484,667. LOCKING DEVICE FOR STEERING GEARS. WILLIAM H. ODLUM, Chicago, Ill. Filed Aug. 18, 1921. Serial No. 493,225. 6 Claims. (Cl. 70—129).



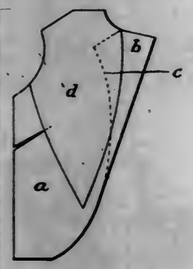
6. In a locking structure for steering wheels, a cap for the box like structure of a locking device of the steering gear, said cap having an integral upwardly extending central collar for the accommodation of a vertical steering spindle, and having a horizontally extending locking cylinder chamber in communication with said collar, a locking cylinder non-rotatably seated within the locking cylinder chamber, means preventing the removal of the locking cylinder endwise from the locking cylinder chamber, a bushing seated within the collar aforesaid, a partition separating the locking cylinder chamber from the lower portion of the cap, a locking plate immediately beneath said partition, there being a bolt hole in the partition aforesaid for the accommodation of a vertically removable locking bolt, there being a bolt hole in the locking plate adapted to register with the bolt hole of the partition when the locking plate is turned into the proper position, a vertically movable locking bolt above the partition and adapted to work through the bolt holes aforesaid, and an operative connection from the cylinder chamber to said bolt, substantially as described.

1,484,668. HIGH-PRESSURE GAS GOVERNOR. HOWARD WEBSTER PARTLOW, Utica, N. Y. Filed Jan. 19, 1923. Serial No. 613,642. 6 Claims. (Cl. 236—19.)



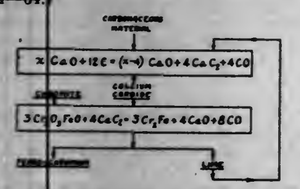
1. A gas governor for melting-pots including a casing adapted to be filled with gas, a valve for controlling the flow of the gas from the casing to a burner, a rocking member for operating said valve in one direction, said valve adapted to rock said member in the opposite direction by its gravitation, a thermostatic element in two parts, one of said parts comprising two sections adjustable relatively to each other and to said rocking member for varying the movements of the valve.

1,484,669. HAIRCLOTH FABRIC. VINCENT PASTORE, Norwich, Conn. Filed July 20, 1920. Serial No. 397,696. 3 Claims. (Cl. 91—68.)



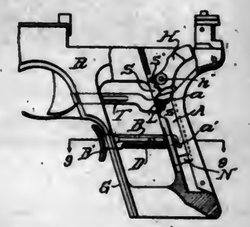
2. As a new article of manufacture, hair cloth impregnated with commercial white lead as a binder.

1,484,670. PROCESS FOR MANUFACTURING LOW-CARBON ALLOY STEELS. NAPOLEON PETINOT, New York, N. Y., assignor to United States Ferro-Alloys Corporation, New York, N. Y., a Corporation of New York. Filed June 3, 1922. Serial No. 565,649. 7 Claims. (Cl. 204—64.)



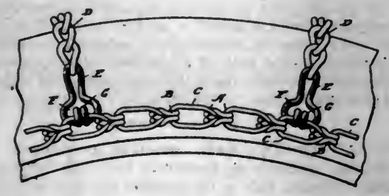
1. A process of producing low carbon alloy steels which consists in electrically heating a lime slag containing a calcium carbide and a refractory oxide or compound in contact with the bath of molten iron, and regenerating the calcium carbide by the addition of a carbonaceous material.

1,484,671. SAFETY FIREARM. EDWARD S. POMEROY, Springfield, Mass., assignor, by mesne assignments, to Smith and Wesson, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed July 18, 1922. Serial No. 575,770. 11 Claims. (Cl. 42—7.)



1. In a firearm of the type having a detachable magazine, a firing member, trigger-controlled mechanism for actuating said member, a safety device, means for actuating said device including a finger-piece adjacent the trigger, and safety means controlled by the magazine for preventing release of said device.

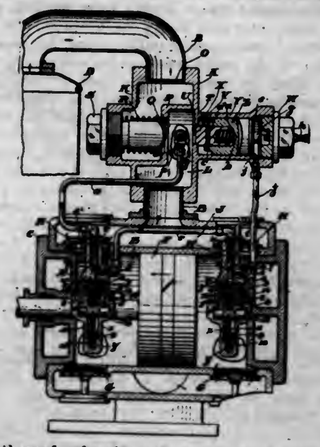
1,484,672. CROSS-CHAIN CONNECTER FOR ANTI-SKID DEVICES. CHARLES M. POWER, Pittsburgh, Pa., assignor to United States Chain & Forging Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 3, 1921. Serial No. 519,645. 3 Claims. (Cl. 24—237.)



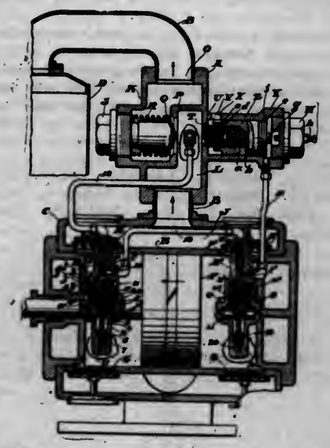
1. A one piece hook link adapted to have a cross chain link of an anti-skid device connected to one of its ends and adapted to be detachably connected to one of the side chain links of said device, said link having an opening therein for the insertion of the side chain link, and a side chain link retaining hook with its terminal extending freely into the side chain link receiving opening, a portion of each of the side bars of the hook link converging towards the end to which the cross chain is attached and the distance between the divergent ends of the side bars being at least equal to the outside width of the side chain link and the distance between the constricted portions of the converging side bars being less than the outside width of the side chain link whereby the side chain link is insertable in and removable from said opening only by an endwise movement.

1,484,673. COMPRESSOR UNLOADER. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 16, 1923. Serial No. 639,259. 12 Claims. (Cl. 230—24.)

1. The combination with an unloader adapted to be connected to the discharge line of a compressor, of a plurality of pilot valves connected in series with the unloader and connected to the compressor cylinder adjacent each end thereof, whereby pressure on both sides of the compressor piston is relieved on stopping.



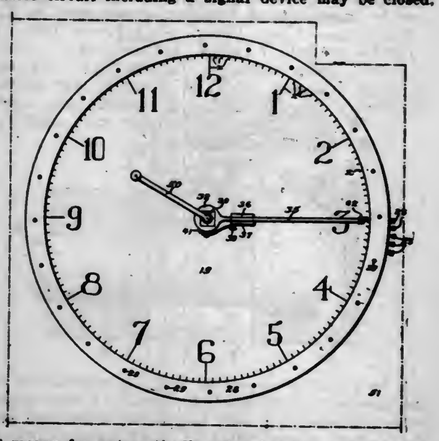
1,484,674. PILOT VALVE FOR COMPRESSORS. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 16, 1923. Serial No. 639,261. 8 Claims. (Cl. 230—24.)



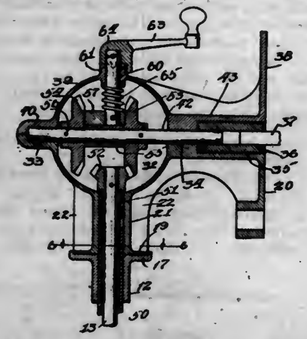
1. A pilot valve for compressor regulators comprising a casing adapted to be connected to the compressor cylinder, a valve for controlling the admission of pressure fluid to the casing, a valve spaced from the admission controlling valve for controlling an atmospheric vent in the casing, a single means for actuating the said valves in one direction controlled by the pressure in the compressor cylinder, means for moving the valves in the opposite direction, and means for varying the volume of pressure fluid admitted to the casing from the compressor cylinder.

1,484,675. ANNUNCIATOR. HENRY SCHURA, Philadelphia, Pa. Filed Feb. 24, 1921. Serial No. 447,405. 9 Claims. (Cl. 200—37.)

1. An annunciator including a time operated arm having a terminal piece; contact members selectively movable into the path of travel of the terminal piece whereby an electric circuit including a signal device may be closed, and means for automatically returning the contact members to their inoperative position.

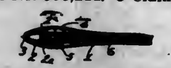


1,484,676. CONTROL MECHANISM FOR WASH WRINGERS. JOHN G. SEELIG, Ripon, Wis., assignor to Barlow & Seelig Mfg. Co., a Corporation of Wisconsin. Filed Sept. 23, 1922. Serial No. 590,138. 2 Claims. (Cl. 74—101.)



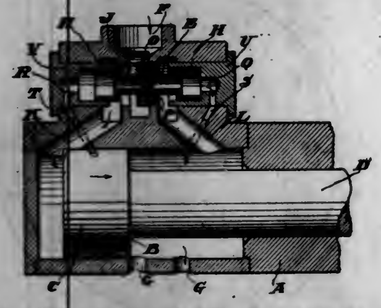
2. In a device of the class described, a hollow spherical casing having a horizontal bearing extension provided with an enlarged bore, a bearing sleeve slidable in said enlarged bore, a shaft slidably supported in said casing and extending into said sleeve, means for securing said shaft and sleeve for conjoint rotation, a pair of gears secured upon said shaft, means for engaging and shifting said shaft and gears and driving mechanism for rotating said gears and shaft.

1,484,677. FLEXIBLE FOLDER. HORACE W. SEVERANCE, Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company, a Corporation of Illinois. Filed Apr. 24, 1922. Serial No. 556,144. 3 Claims. (Cl. 129—19.)



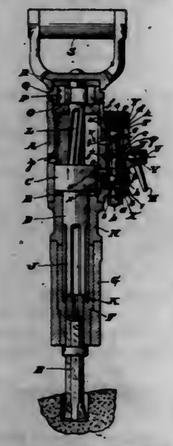
1. In a folder, a flexible cover, a flexible strip substantially co-extensive with the length of the cover secured interiorly of said cover along substantially the center line of said strip whereby side flaps are provided and adjustable means extending through said flaps adapted for retaining the margins of sheets therebetween.

1,484,678. FLUID-ACTUATED INLET VALVE FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 6, 1921. Serial No. 520,344. 7 Claims. (Cl. 121—18.)



1. In a fluid actuated rock drill, the combination with the cylinder and reciprocating piston, of a fluid actuated valve controlling the inlet supply and having end heads and a single central flange of larger diameter than the heads, the central flange controlling the passage of motive fluid from the inlet to both ends of the cylinder, small ports connecting the inlet directly with the spaces at the ends of the valve, connecting passages joining the spaces at each end of the valve with the cylinder at points between the middle and the ends of the cylinder, and a free exhaust port controlled by the piston, whereby the valve is thrown by the live motive fluid passing to the ends of the valve through said small ports and building up pressure at one of said ends of the valve when the piston closes one of said connection passages, the other of said connecting passages being open to atmosphere through the cylinder, and the valve being held by the pressure of live motive fluid on one face of the central flange of larger diameter than the heads of the valve.

1,484,679. FLUID-ACTUATED INLET VALVE FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 21, 1922. Serial No. 595,885. 2 Claims. (Cl. 121—28.)



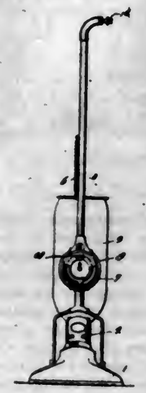
1. In a fluid actuated rock drill, the combination with a cylinder and reciprocating piston, of a valve chest, a fluid actuated valve controlling the inlet supply and having end heads and a single central flange of larger diameter than the heads, which flange controls the passage of motive fluid from the inlet to both ends of the cylinder, a central annular inlet port in said valve chest into which the central flange of the valve extends and seats and in which the said flange reciprocates, the edges of said annular port also forming stops for limiting the movement of the valve, small ports connecting the inlet directly with the spaces at the ends of the valve, connecting passages joining the spaces at each end of the valve with the cylinder at points between the middle and the ends of the cylinder, and a free exhaust port controlled by the piston, whereby the valve is thrown by the live motive fluid passing to the ends of the valve through said small ports and building up pressure at one of the said ends of the valve when the piston crosses one of said connecting passages, the other of said connecting passages being open to atmosphere through the cylinder, and the valve being held by the pressure of live motive fluid on one face of the central flange of larger diameter than the heads of the valve.

1,484,680. SANITARY BELT BUCKLE. KATHERINE F. STODDARD and RUDOLPH A. KRAUTWALD, Chicago, Ill. Filed Mar. 16, 1922. Serial No. 544,089. 2 Claims. (Cl. 24—193.)



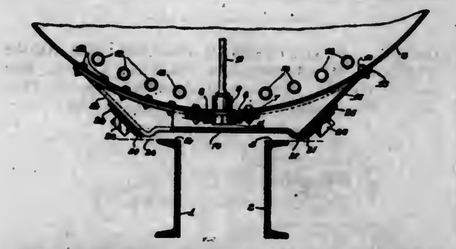
1. Fastening means of the character described comprising a pivotally mounted looped member; and a second looped member extending to one side of the axis of said first looped member, projecting through said first looped member, and movable toward but not past said first looped member.

1,484,681. VACUUM-CLEANER ELECTRIC-CORD TAKE-UP. BERNARD JACQUES TAMARIN, Philadelphia, Pa. Filed Nov. 17, 1919. Serial No. 338,749. 3 Claims. (Cl. 173—367.)



3. An electrically operated vacuum cleaner including a handle, a casing interposed in the length of the handle, the handle having a longitudinally extending way therethrough through which the electric cord of the cleaner passes, the way communicating with the casing, and an automatic takeup reel disposed in the casing for the electric cord for taking up slack therein.

1,484,682. TANK-CAR CONSTRUCTION. WILLIAM J. TANGERMAN, Hammond, Ind. Filed May 28, 1921. Serial No. 473,238. 11 Claims. (Cl. 137—21.)



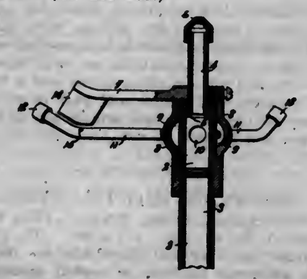
1. In a tank car, a sill, a tank having a lading egress opening therein, a pan secured to the tank, surrounding said tank lading egress opening and extending over said sill, said pan having a lading egress opening which is above the top of the sill and beyond the outer side thereof.

1,484,683. SELF-FILLING FOUNTAIN PEN. LEWIS M. TERBEL, Spokane, Wash., assignor to The Parker Pen Company, Janesville, Wis., a Corporation of Wisconsin. Filed Oct. 1, 1921, Serial No. 504,630. Renewed Apr. 6, 1923. 20 Claims. (Cl. 120—46.)



1. A fountain pen comprising a barrel having a pen section in one end and an opening in its opposite end, a collapsible ink sack, a presser bar interposed between the barrel and the sack, resilient means rigidly secured at one end to said barrel and attached to said presser bar to longitudinally position said presser bar within said barrel, a guide member secured to said barrel, an unanchored operating lever non-fixedly fulcrumed within said barrel and adjacent the open end thereof to force said presser bar in a direction to collapse said sack, said lever comprising a main body portion interposed between said presser bar and the barrel and an end portion bent in offset relation with respect to said main body portion, said end portion extending through said guide member and the open end of said barrel, and coacting means on said guide member and said end portion whereby the lateral and longitudinal movement of said operating lever is limited.

1,484,684. WATER SPRINKLER. WILLIAM C. TODD and JAMES WILLIAM POMEROY, Victoria, British Columbia, Canada. Filed Sept. 18, 1922. Serial No. 588,936. 9 Claims. (Cl. 299—69.)



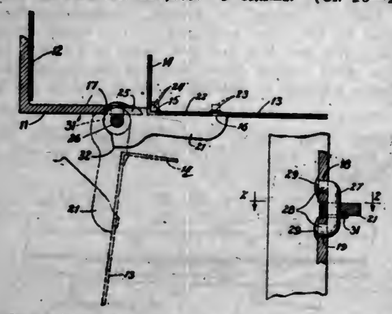
1. A water sprinkler, comprising the combination with a freely rotatable reaction sprinkler, of a second sprinkler head independently rotatable about the same axis, said second sprinkler head having a projection adapted to be acted on by a jet from the reaction sprinkler each time that jet passes under the projection, whereby a progressive intermittent rotational movement is imparted to the second sprinkler head from the first.

1,484,685. AUTOMATIC INTERLOCKING ATTACHMENT FOR WINDOW SASHES. HENRY C. TROST, El Paso, Tex. Filed Apr. 6, 1923. Serial No. 630,853. 3 Claims. (Cl. 292—288.)



1. An automatic interlocking attachment for window sashes of the type set forth embodying a tripping member adapted to be attached to one of the sashes and a locking member adapted to be attached to the other sash, the locking device consisting of a supporting plate adapted for attachment to the sash and a pendulum locking member pivotally mounted thereon, said locking member consisting of a lug-carrying member on one side of the support and a pendant weight on the other side of the support.

1,484,686. HINGE. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1920. Serial No. 419,160. 6 Claims. (Cl. 16—128.)

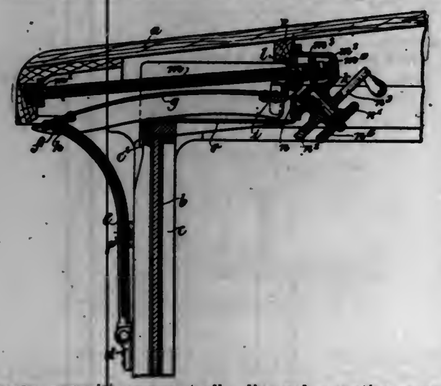


1. In a sheet metal locker and the like, a jamb member, a door, a hinge member fast to the door and having a part extending out into a slot of said jamb, and a staple passing through said hinge member and into the jamb at opposite sides of said slot, said hinge member having a protruding shoulder for engaging the outer side of said jamb to limit the door opening movement.

1,484,687. VISOR FOR AUTOMOBILES. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 5, 1923. Serial No. 622,714. 3 Claims. (Cl. 296—95.)

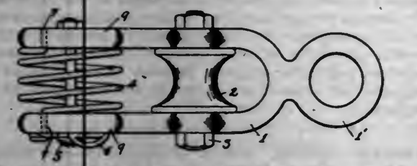
1. In a visor for automobiles, etc., the combination with an automobile top, a liner forming a pocket under the top, pivoted supporting arms, and a light shade piv-

otally mounted at its forward edge upon the supporting arms and arranged to move in said pocket, of means to support movably the rear edge of the light shade, such



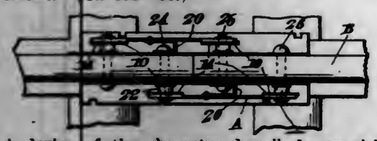
means comprising a centrally disposed operating screw mounted in bearings under the top and a traveling nut engaged therewith and pivotally connected to the light shade at its rear edge.

1,484,688. FODDER TIE. ROBERT B. VINCENT, Keota, Iowa. Filed Sept. 17, 1923. Serial No. 663,074. 1 Claim. (Cl. 24—18.)



The combination of a rope pulley and tie, comprising a cast frame having an eye portion on one extremity thereof; a rope sheave mounted for rotation in a central position thereof; a helical compression spring mounted at the other extremity of the frame adapted to coact with the rope and hold same in a locked position; a twine holding device mounted on the outside of the frame adapted to yieldingly hold a cord in position.

1,484,689. NUT LOCK. JOHN WALKER, Barrie, Ontario, Canada. Filed Apr. 14, 1923. Serial No. 632,116. 5 Claims. (Cl. 151—33.)

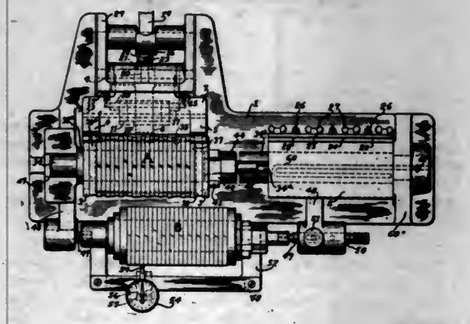


1. A device of the character described comprising a supporting member having a head formed with a socket, a ratchet member adapted to fit the socket having an aperture to receive the head of a nut and being formed with a ratchet wheel, a removable cover plate retaining the ratchet member in the socket, and a spring pawl in the head designed to engage the ratchet wheel.

1,484,690. MATERIAL FOR AND METHOD OF CLEANING METAL SURFACES. PERCY H. WALKER and JOHN H. BOWER, Washington, D. C. Filed Feb. 27, 1919. Serial No. 280,671. 14 Claims. (Cl. 148—8.) Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

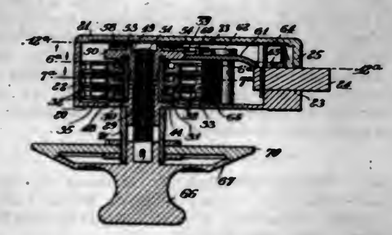
1. As a new composition of matter useful in cleaning gun barrels and other metal surfaces, a substantially dry mixture comprising ammonium persulfate and ammonium sulfate, in proper proportions to give a suitable metal-cleaning solution upon treatment with water and a fixed alkaline reagent.

1,484,691. APPARATUS AND PROCESS FOR REGISTERING AND ASSEMBLING PACKING RINGS. ROBERT B. WASSON, Cranford, N. J. Filed Aug. 13, 1921. Serial No. 492,012. 37 Claims. (Cl. 29—89.)



2. In an apparatus for registering piston rings to be finished, the combination of a band of flexible metal, one or more sizing rings with which said band is adapted to engage and means for flexing said band around said sizing rings, thereby curving the interior of the band into hollow cylindrical form of standard size, adapted to receive the piston rings, said flexing means including means carried by the ends of the band for preventing buckling of the ends.

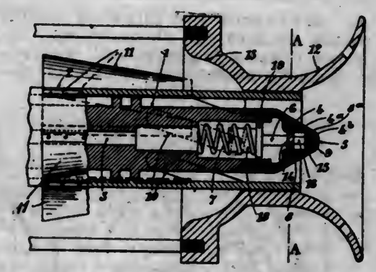
1,484,692. LOCK. EUGENE R. WEBER, Rochester, N. Y., assignor to Sargent and Greenleaf Inc., Rochester, N. Y., a Corporation of New York. Filed Mar. 9, 1921. Serial No. 450,917. 10 Claims. (Cl. 70—53.)



1. A combination lock comprising selectively adjustable recessed wheels, a bolt, a fence movable with the latter, a spindle for adjusting said wheels and provided with bolt actuating means, a part rotatable on said spindle and connected with said bolt actuating means, and a frictional connection between said spindle and part to actuate the latter when the recesses in said wheels are adjusted to register with said fence.

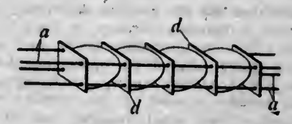
1,484,693. BURNER FOR FUEL OIL. FERNAND ALOYS EMILE WEGSCHEIDER, Rouen, France. Filed Sept. 19, 1921. Serial No. 501,556. 5 Claims. (Cl. 158—76.)

2. A burner for fuel oil comprising an inner tube adapted to discharge the fuel, a conical atomising cap on the end of said tube having an outlet orifice for the fuel, a removable plunger having a pointed end adjacent the said outlet orifice, said plunger being provided with helical grooves for the passage of the fuel, means for guiding said plunger in said atomising cap, an outer tube for discharging air around the atomising cap said outer tube having helical apertures for the passage of air, said apertures being turned in a direction which is



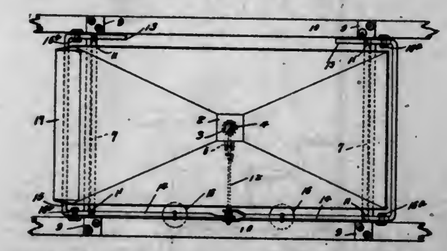
the reverse to that of the said helical grooves and outer wings arranged on said outer tube for guiding the air into said helical apertures.

1,484,694. EGG TURNER. THOMAS HENRY WEST, Lymm, England. Filed May 18, 1923. Serial No. 639,950. 1 Claim. (Cl. 119—44.)



In incubators, the combination comprising a frame, strings extending between the sides of said frame, and abutments slidable on said strings, the said strings and abutments forming a plurality of cells each providing accommodation for one egg, as set forth.

1,484,695. SAND SEPARATOR. CHARLES E. WOOD, Baxter Springs, Kans. Filed Dec. 5, 1921. Serial No. 519,987. 5 Claims. (Cl. 83—82.)

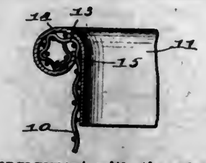


1. A sand separator comprising a hopper, a valve to control its outlet, arms at one side of the hopper pivotally supporting the same, two of the arms at one side of the hopper overlapping, and means pivotally connecting the arms together and with said valve, and said arms having counterbalancing means associated therewith.

1,484,696. METAL BINDING. JOHN A. WULFTANGE, Hamilton, Ohio. Filed Aug. 27, 1921. Serial No. 495,968. 3 Claims. (Cl. 220—19.)

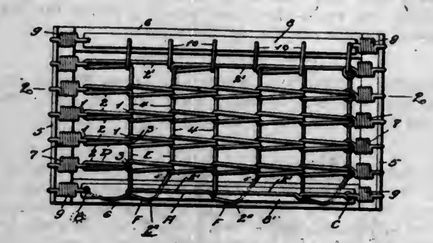
1. A metallic receptacle having a wire cloth body portion, an edge portion comprising in addition to the edge of the wire cloth, a metal strip, the metal strip and the wire of the wire cloth edge being bent together and on

themselves substantially 360° to form a stiffening edge for the receptacle, the edge of the bent portion of the



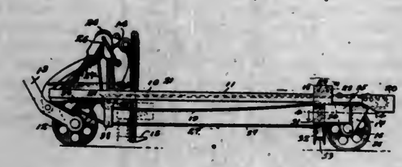
strip being in engagement with the wire cloth, whereby a tendency of the cloth to withdraw causes a binding of the same between two portions of the strip.

1,484,697. WIRE FABRIC. HARRY M. YOUNG, St. Louis, Mo., assignor to Western Wire Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 26, 1921. Serial No. 503,209. 2 Claims. (Cl. 5—186.)



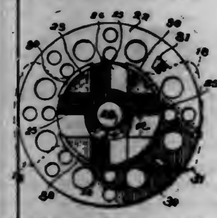
1. A substantially square-mesh knitted fabric constructed of a single metallic wire and integrally including a plurality of longitudinal rows of loops and a plurality of laterals for spacing the longitudinal rows of loops, each inside loop of the fabric including a bight, a pair of substantially parallel legs extending in approximately straight lines from the bight, and oppositely disposed bends at the end of each leg opposite the bight, and each lateral consisting of a single length extending in approximately a straight line between pairs of the bends of the loops, each intermediate loop of a row extending at its bight under the legs and over the bends of the next adjacent loop in such row and each outside loop at the lateral sides of the fabric having one leg of a length double the length of the other leg thereof, each inside mesh of the fabric comprising a pair of loops and a pair of the loop-spacing laterals, some of the laterals at one lateral side of the fabric being obliquely disposed to the remaining laterals and providing open sag-rail accommodating edge loops at said lateral side of the fabric.

1,484,698. HOISTING TRUCK. VICTOR E. BEAGLE, Alexandria, Va. Filed Dec. 27, 1922. Serial No. 609,282. 5 Claims. (Cl. 254—2.)



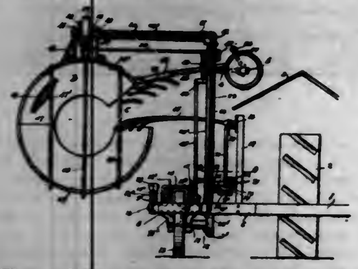
1. In a truck of the character described, a truck frame proper, a load supporting member movable thereon, said frame having wheel mountings thereon at opposite sides, said load supporting member and wheel mountings having parts operative to interlock when the load supporting member is in load supporting position.

1,484,699. CURB-BOX SUPPORT. VICTOR E. BRAGLE, Alexandria, Va. Filed Jan. 20, 1923. Serial No. 613,961. 9 Claims. (Cl. 137—13.)



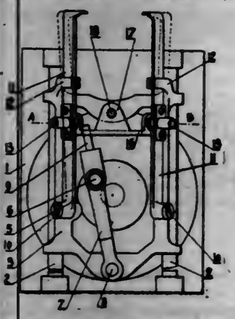
1. As an improved article of manufacture a cock and box support comprising a foot plate adapted to afford a base for curb boxes, a central circular projection thereon adapted to extend within a curb box set upon the plate for centering thereof, said projection being centrally recessed and laterally slotted to receive and support a cock, and lugs formed on the article to engage between leg parts of a curb box to position the box against relative rotation on the support.

1,484,700. SHOCKING MACHINE. JOHN BIRNIE, Jr., Birnie, Manitoba, Canada. Filed Apr. 26, 1920. Serial No. 376,648. 12 Claims. (Cl. 56—423.)



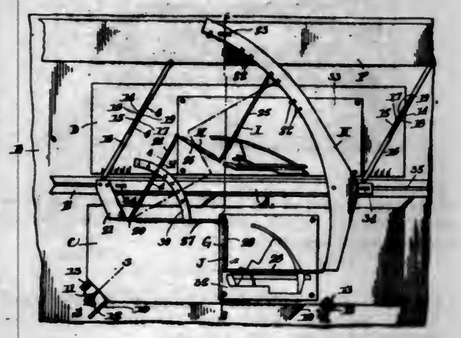
1. The combination with a shocker frame, of a basket arm having one end pivotally mounted on the shocker frame, and the other end elevated and located at the side of the frame, a horizontally disposed sheaf receiving and shock forming basket permanently suspended from the elevated end of the arm and means for swinging the arm forwardly and backwardly at predetermined instants to dump the basket and return it to the initial sheaf receiving position.

1,484,701. FILM-ACTUATING DEVICE FOR POSITIVE-FILM-PRINTING MACHINES. ANDRE LEON VICTOR CLEMENT DEBRIE, Paris, France. Filed June 16, 1922. Serial No. 568,828. 4 Claims. (Cl. 95—75.)



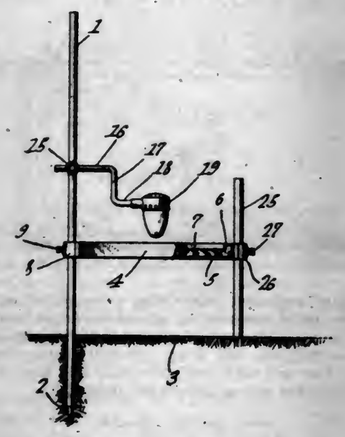
1. A film actuating device comprising vertically reciprocable claws, horizontal axles, disposed obliquely with respect to the surface of the films, and also vertically reciprocable, said claws being pivoted on said axles, said claws being positioned to seize the films immediately adjacent the image.

1,484,702. APPARATUS FOR DRAWING ISOMETRIC OR OTHER MECHANICAL PROJECTIONS. DONALDSON BOGART DOWLING, Ottawa, Canada. Filed Feb. 16, 1922. Serial No. 536,952. 10 Claims. (Cl. 33—26.)



1. An apparatus for the purpose specified, comprising in combination, a movable carriage, a track supporting the same, an adjustable projection board, and an adjustable drawing board located on opposite sides of the track, a projecting bracket on the carriage, an adjustable arcuate member carried by the carriage concentric with the bracket, two equal straight line link motion members hinged at one end to a common centre on the bracket, and at the other separately to points on the arcuate member, a tracing point carried by one member, and a drawing point carried by the opposite member.

1,484,703. BUG DESTROYER. JOSEPH B. ESHMAN and WILLIAM G. JOHNSON, Eureka Springs, Ark. Filed Sept. 1, 1923. Serial No. 660,534. 1 Claim. (Cl. 43—113.)



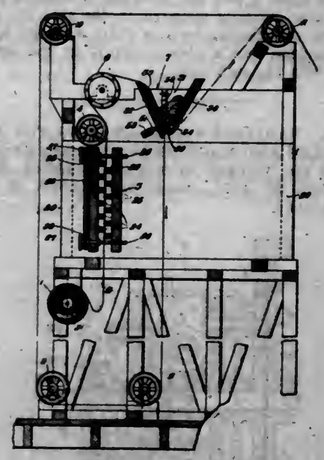
In a device of the class described, a support, a pan on the support, means for mounting the pan on the support for raising and lowering, a lamp located above the pan, and means for mounting the lamp for vertical adjustment on the support and for movement to a position at one side of the pan.

1,484,704. APPARATUS FOR THE PRESERVATION OF FOOD AND THE LIKE. GUSTAV FRERICHS, Duisburg, Germany, assignor to Wilbur E. Frerichs, Brooklyn, N. Y. Filed Aug. 1, 1921. Serial No. 489,074. 2 Claims. (Cl. 215—46.)



1. The combination with a vessel for preserving or storing food or other articles under a vacuum, of a receptacle, a cover for said receptacle, a resilient packing ring between said receptacle and said cover, and means disposed upon said packing ring and adapted to hold said cover raised above said ring until a sufficiently high vacuum has been set up within said receptacle, and, on the admission of atmospheric pressure, to be depressed into the ring and thereby allow the cover to bear upon the packing ring and to form a permanent air-tight seal, substantially as described.

1,484,705. MACHINE FOR AND METHOD OF COATING FABRICS. DANIEL D. FROTHINGHAM, Salem, and RALPH U. SAWYER, Winchester, Mass. Filed Oct. 27, 1921. Serial No. 510,722. 6 Claims. (Cl. 91—32.)

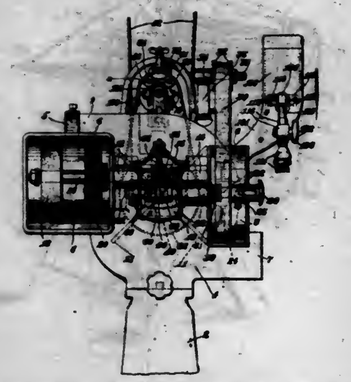


2. A machine for coating fabrics having, in combination, a tension, a draw roll, and a coating trough having a fixed side and a movable side, the latter being pressed toward the former by spring pressure permitting it to yield when a seam passes through the trough.

3. A machine for coating fabrics having, in combination, a tension, a draw roll cooperating with the fabric to maintain the tension thereon, cloth coating devices located between the draw roll and the tension, having provision for applying a coating of a certain determined thickness, and a fixed bearing surface of material length in the direction of travel of the fabric around and against which a material portion of the fabric is normally wrapped and held by the tension of the fabric.

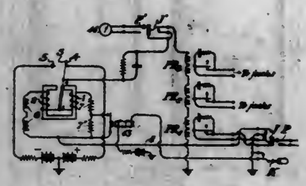
5. The method of coating fabrics which consists in applying a coating material of the nature described in a stiff, viscous condition to the fabric to be coated, of a determined thickness, and thereafter applying long continued rubbing pressure between the coating material and the fabric.

1,484,706. MACHINE FOR USE IN REPAIRING ENAMELED LEATHER. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 19, 1919. Serial No. 291,235. 25 Claims. (Cl. 51—273.)



1. In a machine of the class described, the combination of a power driven shaft, two tool carrying shafts, rubbing tools secured to said shafts, operating connections from said power driven shaft to one of said tool shafts constructed and arranged to rotate said tool shaft and connections including an eccentric on the power shaft for oscillating the other of said tool shafts about its axis.

1,484,707. RELAY AND CIRCUITS THEREFOR. DANFORTH K. GANNETT, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,675. 8 Claims. (Cl. 175—320.)

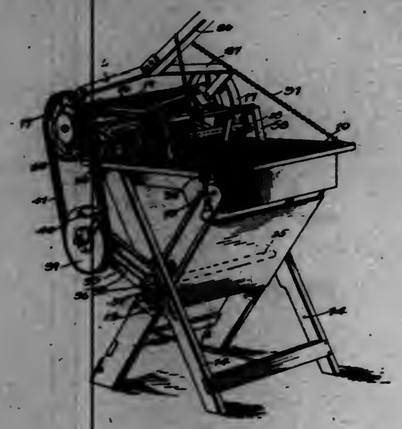


2. A vibrating relay system including a polar relay having an operating winding, a holding winding and an armature adapted to rest upon either of two contacts connected to opposite potentials, means whereby when said armature rests against either of the contacts a current flows through the holding winding in such a direction as to tend to hold the armature against the contact and an inductance in circuit with the operating winding whereby a gradually increasing operating current is built up through the operating winding to shift the armature against the other contact.

1,484,708. LAWN-MOWER SHARPENER. JOHN ADAM GRASSMAN, Palmyra, Pa.; John Adam Grassman administrator of said John Adam Grassman, deceased. Filed Oct. 10, 1921. Serial No. 506,787. 7 Claims. (Cl. 51—26.)

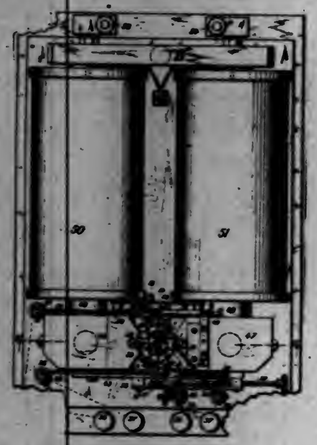
1. In a sharpening device for lawn mowers, a table, means for supporting the lawn mower on the table, driv-

ing mechanism for the cutters of the lawn mower, and an inclined feed board supported on the table and



arranged to feed an abrasive to the cutters under the action of the vibration set up by the moving parts of the device.

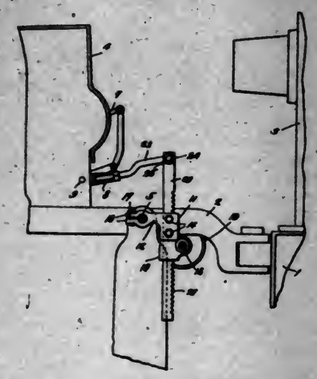
1,484,709. SENSITIVE RELAY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Feb. 27, 1913, Serial No. 750,982. Renewed July 13, 1923. 6 Claims. (Cl. 200—112.)



2. A relay comprising an electro-magnet, a loop rotatably positioned in the field of said magnet, a pair of carriers adjustable in predetermined paths perpendicular to the fixed axis of said loop, a pair of liquid contacts in alinement with said paths and supported by said carriers respectively, a connecting link operatively connected to but insulated from said loop, and a pair of solid contacts carried by said link and arranged to be rotated about the fixed axis of said loop to engage said liquid contacts respectively.

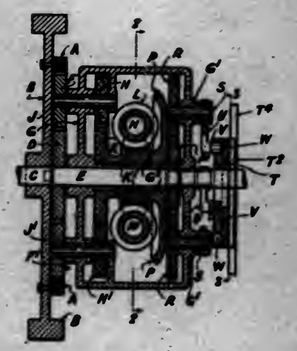
6. A relay comprising an electro-magnet, a loop rotatably positioned in the field of said magnet a pair of carriers adjustable in predetermined paths in a plane perpendicular to the fixed axis of said loop, a pair of liquid contacts in alinement with said paths and supported by said carriers respectively, a connecting link operatively connected to but insulated from said loop, and a pair of solid contacts carried by said link and arranged to be rotated about the fixed axis of said loop to engage said liquid contacts respectively.

1,484,710. FRAMER. GUS HOLUB, Ravenna, Nebr. Filed May 18, 1923. Serial No. 639,863. 2 Claims. (Cl. 88—17.)



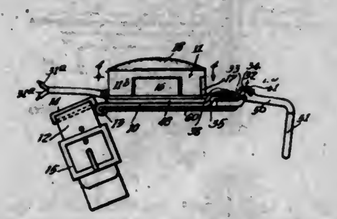
1. A motion picture machine comprising a support and a framing lever, a rack bar mounted to slide on the support, an arm pivotally mounted on the rack bar and engaged with the framing lever, a shaft mounted to rotate on the support, and a pinion carried by the shaft and meshing with the rack bar.

1,484,711. VARIABLE-SPEED GEARING FOR MOTOR VEHICLES AND MACHINERY. RICHARD HENRY HOPKINSON and VINCENT HOPKINSON, Bradford, England. Filed Oct. 29, 1923. Serial No. 671,378. 3 Claims. (Cl. 74—14.)



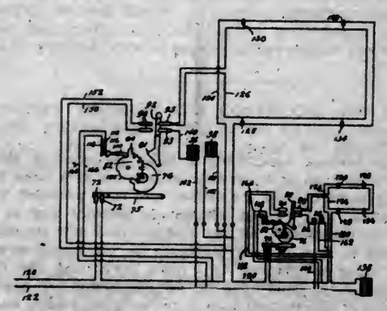
1. A variable speed gearing for a driving shaft and a driven shaft, comprising an epicyclic gear train the planetary pinions of which are operatively connected with one of the said shafts, and the sun wheel of which is secured on the other shaft, toothed pinions arranged concentric with and revolving with the planetary pinions, a toothed wheel journaled concentric with the said sun wheel and meshing with the said toothed pinions, a toothed worm pinion arranged concentric with and revolving with the said toothed wheel, worm drums meshing with the said worm pinion, driving devices for rotating the worm drums, a rotary support arranged concentric with the said sun wheel, levers having spindles mounted in the said support and arranged around its axis, means for actuating the said driving devices from the said spindles, and a non-revoluble cam engaging with the said levers and operating to rock their spindles when the cam is arranged eccentric of the rotary support.

1,484,712. SAFETY SIGNAL. ALBERT S. JOHNSON, Oakland, Calif., assignor to The Flash-Way Corporation, a Corporation of California. Filed May 26, 1920. Serial No. 384,304. 3 Claims. (Cl. 177—329).



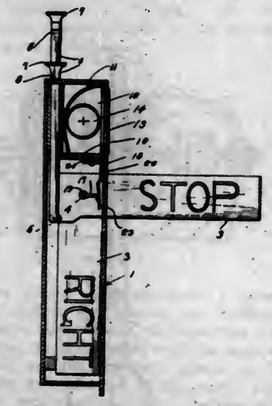
3. In a hand signal of the character described, a base, a wrist encircling member connected to the base at one end thereof, a member movably connected to the other end of the base and having means for attachment and mounting on the finger, so that the base is supported on the hand jointly by the said encircling member and by said attachment and mounting means, a lamp carried by the base, a switch operated by relative movement of the base and said member, and a circuit including the lamp and switch; and means to prevent the switch actuating movement of the said finger mounted member.

1,484,713. SIGNAL SYSTEM. JOHN M. JOHNSON, Kansas City, Mo., assignor to The United States Automatic Fire Alarm Company, a Corporation of Missouri. Filed June 7, 1919. Serial No. 302,463. 9 Claims. (Cl. 177—361.)



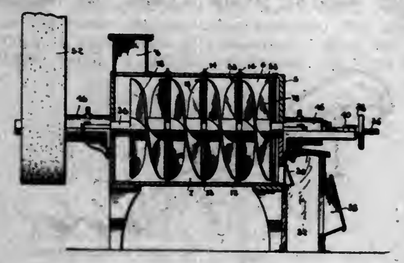
1. In a device of the character described, a code-wheel, a switch to coact with said code-wheel in transmitting messages, a train of gearing associated with the code-wheel, a spring to drive said train and which on winding or unwinding drives the code wheel, a vibratory governor to normally lock the train from rotation and also regulate the speed of such rotation, an electrically-controlled device normally in the path of said governor to hold the same stationary, an element to hold the device out of the path of the governor after said device has been energized, and means to restore said element to normal position and also hold the switch in closed position during winding of the spring.

1,484,714. VEHICLE SIGNAL. JOHN H. KALBY, Schenectady, N. Y. Original application filed June 6, 1919, Serial No. 302,280. Divided and this application filed Aug. 6, 1920. Serial No. 401,633. 2 Claims. (Cl. 200—159.)



1. A switch mechanism including a movable arm, a conductor and a contact for disposition in an electric circuit, said arm being journaled on the conductor, a contact extending rigidly in offset relation from and movable with the arm, the latter contact being journaled on the conductor as a bearing for the arm and being adapted to bridge said conductor and said first contact to close the circuit.

1,484,715. MIDDLINGS MILL. GEORGE MILLIARD KEMP, Williamsport, Md. Filed May 9, 1923. Serial No. 637,736. 2 Claims. (Cl. 83—8.)



1. A middlings mill comprising a cylindrical casing having its inner side formed with continuous grooves, a plurality of annular detachable spaced stators having their peripheral portions received in said grooves whereby the passage of material between the stators and the casing is prevented, a plurality of rotors arranged within the casing between the stators and having their ends engaged with the stators, said stotors being provided with radial depressions and with centrally arranged openings of a substantial size communicating with the radial depressions, whereby the middlings may move inwardly and through the openings, and means supporting the rotors.

1,484,716. ICE-CREAM SCOOP. FREDERICK C. KIRCHHOFF, San Francisco, Calif. Filed Jan. 9, 1923. Serial No. 611,600. 6 Claims. (Cl. 107—48.)

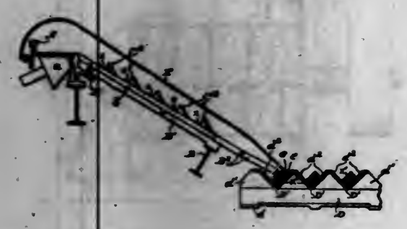
1. A scooping device comprising a tubular body portion, a semi-shaped scoop member carried on one end of the body portion, segment scoop members normally housed within and pivoted to the semi-spherical scoop

member and arranged with the latter so as to provide a hollow spherical container when extended, means movable in the direction of the longitudinal axis of said body portion for extending the segment scoop member, spring



means for returning said members to normal position and a handle member carried by and projecting substantially at right angles to the body portion intermediate the ends of the latter.

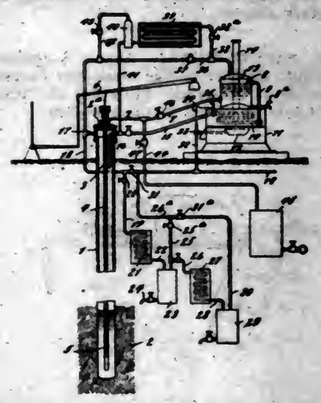
1,484,717. COOLING BED. JOSEPH R. KLUMP, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 23, 1922. Serial No. 545,944. 5 Claims. (Cl. 198—219.)



1. In a cooling bed, an inclined skid-section, a horizontal rack-section having a series of pockets arranged in rows along its length, and a guide located at the initial pocket of each of a plurality of the racks and constructed to restrain the stock from turning as it passes from the skid-section to the rack-section.

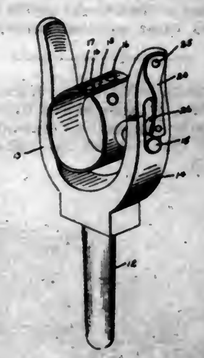
1,484,718. APPARATUS FOR THE RECOVERY AND REFINING OF LIGHT HYDROCARBON OILS AND GASES FROM OIL WELLS. WILLIAM JOHN KNOX, New York, N. Y., assignor of one-half to Arthur Robins Speer, Brooklyn, N. Y. Original application filed May 15, 1919, Serial No. 297,214. Divided and this application filed Oct. 30, 1922. Serial No. 597,727. 9 Claims. (Cl. 166—17.)

1. In an oil well apparatus of the character described, means for withdrawing liquid hydrocarbon from the well, a heater located externally of the well, a conduit for passing the liquid hydrocarbon from the well to the heater; a conduit for delivering the heated hydrocarbon



from the heater to the well, and a conduit for withdrawing volatilized products produced in the well and condensing means connected to said conduit last mentioned.

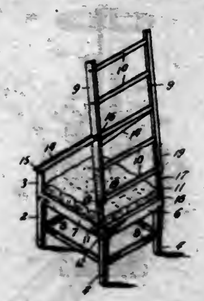
1,484,719. ROWLOCK. WILLIAM L. C. KOCH, Scranton, Pa. Filed Apr. 18, 1922. Serial No. 554,960. 4 Claims. (Cl. 9—26.)



1. A rowlock comprising a body including a shank adapted to turn in a gunwale socket, and fork arms projecting upward from the shank, and each provided with a bearing, and a band adapted to embrace and be secured to the shaft of an oar, and provided with trunnions adapted to turn in said bearings, the continuity of said band being interrupted by a slot, permitting the compression of the band upon the oar shaft, and arranged at one side of the vertical axis of the body to provide means whereby, during the operation of attaching the blade to an oar shaft, the operator is enabled to so adjust the oar blade as to impart a suitable feathering inclination thereto.

1,484,720. COMBINED CHAIR AND STEPLADDER. PETER KOSYLANSKI, Hamilton, Ontario, Canada. Filed July 5, 1923. Serial No. 649,646. 1 Claim. (Cl. 155—42.)

In a device of the class described, a structure comprising seat rails and chair legs, and chair arms supports forming part of the forward legs, links pivotally connected to the ends of the rear seat rail, a back structure comprising lateral uprights connected by spaced combined back supports and ladder rungs, said uprights having pivotal connection with the free ends of said links, combined chair arms and back supporting struts pivotally connected to said chair arm supports and to said lateral uprights, and folding arms hingedly secured



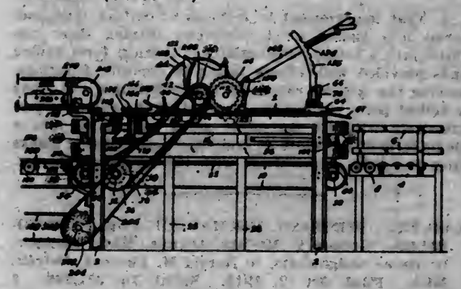
to the top of the rear seat rail adapted to lie parallel therewith when the back structure is in normal position, and to be swung vertically to engage flanges on the said uprights when the back structure is in elevated position.

1,484,721. BOLT-HOLE CLEANER. EMIL E. KOMOUTEK, Omaha, Nebr. Filed Apr. 30, 1923. Serial No. 635,760. 2 Claims. (Cl. 15—104.01.)



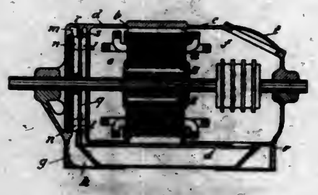
1. In a bolt-hole cleaner, a disc provided with a segmental recess and having a blade at one of the sides of said recess, a handle having a rectilinear part disposed with its axis in line with the axis of the disc and removably secured thereto, said blade extending inwardly from the circular edge of the disc to lie below and at the longitudinal axis of the rectilinear part of the handle.

1,484,722. MACHINE FOR CONVEYING AND SEALING CONTAINERS. PHILIP H. LAWSON, Portland, Oreg. Filed Apr. 30, 1921. Serial No. 465,632. 10 Claims. (Cl. 93—2.)



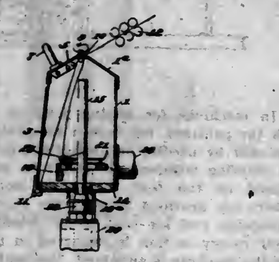
1. In a machine of the character described, a conveyer for containers having flaps, means actuated by a number of said flaps for properly directing the containers into said conveyer, and means for applying an adhesive substance to a number of the flaps of each container as it is carried forwardly by the conveyer.

1,484,723. COOLING MEANS FOR ELECTRIC MACHINERY. GUSTAV LENHARDT, Berlin-Charlottenburg, and WILHELM GSCHWENDLER, Berlin-Schmargendorf, Germany, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Nov. 20, 1920. Serial No. 425,398. 4 Claims. (Cl. 171—252.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A dynamo electric machine having a closed casing, a stator supported in said casing and dividing it into two lateral inner chambers, a rotor having axially extending channels communicating at their ends with said inner chambers, an annular duct formed by the outer stator periphery and portions of the casing and having communication with the outer air, a bottom chamber in said casing located between the feet thereof and having communication with the outer air and with said annular duct, tubular elements located in said bottom chamber in parallel to the machine axis for establishing a second communication between said inner casing chambers and ventilating means for causing air inside of the casing to circulate between the inner chambers, the rotor, and the tubular elements, and also causing outside air to circulate through said bottom chamber past said tubular elements and through said annular duct.

1,484,724. PROCESS OF AND APPARATUS FOR SPINNING. WILMAR F. LENT, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Oct. 28, 1920. Serial No. 420,121. 12 Claims. (Cl. 118—69.)

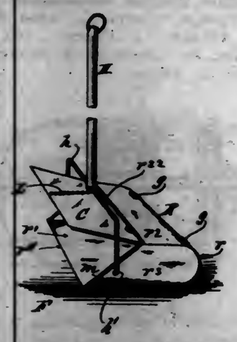


1. That improvement in the art of spinning which consists in enclosing the traveler, yarn and spindle of a spinning frame in a suitable casing, and reducing below normal the pressure of the air surrounding said parts to thereby reduce the air friction of said parts during the spinning operation.

1,484,725. DUSTPAN. SAMUEL LEWIS, New York, N. Y. Filed Sept. 1, 1923. Serial No. 660,518. 2 Claims. (Cl. 65—20.)

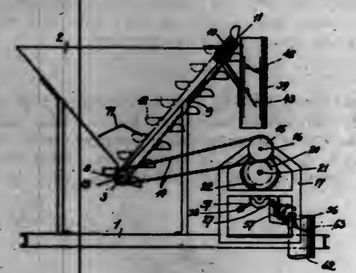
1. As an article of manufacture, a dust pan of the character designated, comprising a receptacle formed with a semi-cylindrical posterior portion, and a handle pivotally attached to said receptacle by means of a bifurcated ball-trunnion extension of said handle, the axial

line of said pivotal attachment being forward of the centre of gravity of said receptacle, and a closure member hinged to the forward part of said receptacle to the



rear of the pivotal connection of the handle with the sides of the receptacle and connected with the handle thereof by a flexible ligature, substantially in the manner and for the purpose set forth.

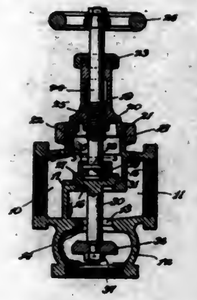
1,484,726. MACHINE FOR SETTING POTATOES. JANNE FREDRIK LJUNGDAHL, Stockholm, Sweden. Filed Sept. 6, 1923. Serial No. 661,285. 10 Claims. (Cl. 221—127.)



1. In machines for setting potatoes of that type, in which the potatoes, fed from a receptacle, fall down and are caught by needles or projections provided on one or more rotating members or wheels an arrangement characterised by the fact that such motion transmitting members are provided between the supporting wheels of the machine and the said needle wheels, that an intermittent rotary motion is imparted to the needle-wheels, while the machine is advanced, the angle of rotation and the length of the periods of rest being unvariable and the needle-wheels automatitcally secured in their positions of rest by members combined with the said motion transmitting members.

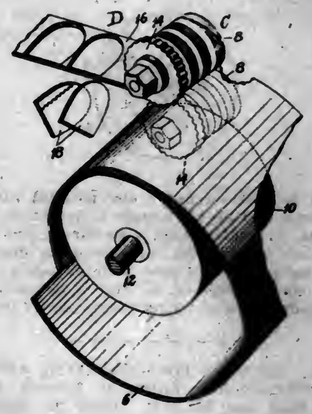
1,484,727. COMBINED STOPCOCK AND DRAIN VALVE. DANA W. LOVE, Johnson City, Tenn. Filed Dec. 20, 1912. Serial No. 668,046. 1 Claim. (Cl. 251—46.)

A valve including a shell containing a port, a spindle extending into the shell axially of said port and provided at its lower end with spaced annular flanges, and a valve head controlling the flow through said port, said valve head being provided with a recess opening through its edge and with a boss on its upper side, the recess accommodating the lower flange on the spindle and the upper flange on the spindle resting on the boss, a cap having threaded engagement with said boss and surrounding the same, and an annular collar on said cap



engaging the top face of said upper flange, thereby retaining the valve head upon said spindle and centering the same.

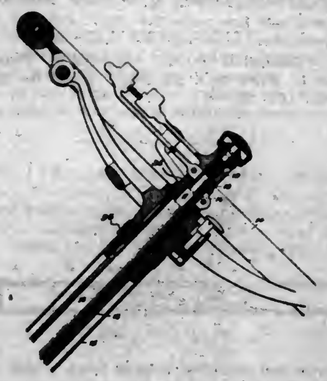
1,484,728. METHOD OF CUTTING SHEET MATERIAL. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 6, 1919. Serial No. 269,815. 8 Claims. (Cl. 164—17.)



1. That improvement in methods of cutting sheet material into blanks which comprises shaping sheet material into a hollow substantially cylindrical form having ends provided with offsets facing in opposite directions, moving the cylinder rotatively in one direction and along a helical path, cutting the material of the cylinder, progressively with its movement along said path, into a single strip of the width of said offsets, and cutting blanks from the strip progressively with the formation thereof.

1,484,729. STEERING MECHANISM FOR AUTOMOBILES. GEORGE L. MCCAIN, Detroit, Mich., assignor, by mesne assignments, to Harold H. Emmons, Detroit, Mich. Filed Oct. 2, 1919. Serial No. 327,836. 3 Claims. (Cl. 74—39.)

1. In a steering mechanism for automobiles, in combination, a casing, a worm rotatably mounted in the casing, a steering shaft engaging the worm in such manner that the worm is rotatable with the shaft and the shaft may be freely withdrawn in the direction of its length from engagement with the worm, and a stationary shaft concentric with the rotatable shaft and detachably secured at its lower end to the said casing, said stationary shaft having means thereon constituting an abutment



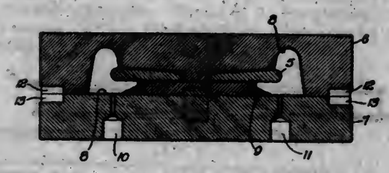
preventing the steering shaft from moving out of engagement with the worm until the stationary shaft is disengaged from the casing.

1,484,730. FOUNTAIN PEN. WILLIAM J. MCDONALD, Sioux City, Iowa. Filed Apr. 26, 1920. Serial No. 376,712. 5 Claims. (Cl. 120—46.)



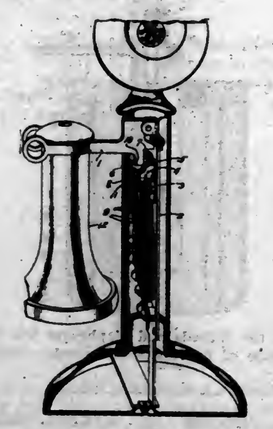
1. A fountain pen including a barrel having a slot, an interior ink sack and a presser bar therefor, a depressing lever arranged in said slot and having a central pivot axis whereby the lever may be moved to permit either end thereof to engage the presser bar to collapse the ink sack.

1,484,731. MANUFACTURE OF SPONGE-RUBBER ARTICLES. FRANK S. MALM, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 25, 1919. Serial No. 279,171. 8 Claims. (Cl. 18—53.)



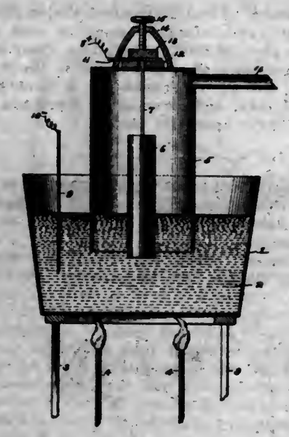
1. The method of producing smooth surfaced sponge rubber bodies, which consists in locating a body material and a surfacing material in separated relation in a mold and bringing them together in intimate relation by vulcanisation.

1,484,732. SWITCHING DEVICE. GEORGE E. MATHER, Morsemere, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1920. Serial No. 430,404. 8 Claims. (Cl. 179—164.)



1. In a switching device, a switch lever, switching springs operated by said lever traveling in one direction, and means independent of said lever for locking said springs in operative relation, said lever after a predetermined movement in the opposite direction cooperating with said means to release said springs.

1,484,733. METHOD OF MAKING FLUORINE. FRANK C. MATHERS, Bloomington, Ind. Filed June 30, 1919. Serial No. 307,674. 10 Claims. (Cl. 204—19.)

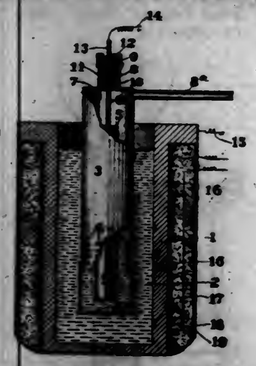


1. In a method of making fluorine, electrolysing a fused acid fluoride with an anode of hard carbonaceous material and collecting the evolved fluorine.

1,484,734. METHOD AND APPARATUS FOR MAKING FLUORINE. FRANK C. MATHERS, Bloomington, Ind., and BURR HUMISTON, Wilmington, Del. Filed July 7, 1919. Serial No. 309,254. 17 Claims. (Cl. 204—19.)

1. In an electrolytic apparatus for making fluorine, a graphite vessel for holding a bath of electrolyte and constituting the cathode, an anode of hard carbonaceous ma-

terial projecting into said vessel, means for collecting the fluorine evolved at the anode comprising a diaphragm surrounding said anode, and means for insulating the



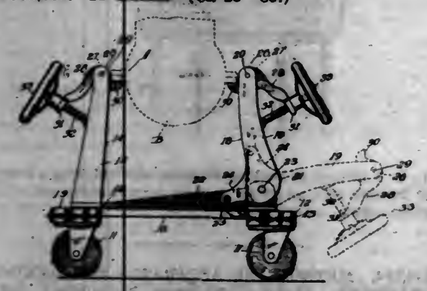
anode from the cathode and diaphragm and for preventing the escape of fluorine where anode enters said diaphragm.

1,484,735. PROCESS OF MAKING REFRACTORY SHAPES. CHARLES LADD NORTON, Boston, Mass., assignor to Refractories Machinery Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed May 5, 1922, Serial No. 558,686. Divided and this application filed Oct. 5, 1922. Serial No. 592,644. 14 Claims. (Cl. 25—155.)



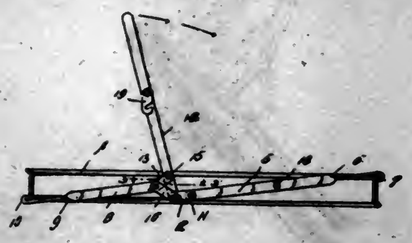
1. That process of making moulded shapes from granular material which comprises moulding such a shape upon a pallet plate by forcibly projecting, as by dropping, an unrestrained mass of such material in the form of a dense swarm of discrete particles into a mould-box resting upon such plate, and removing the mould-box to leave the moulded shape upon said plate.

1,484,736. PORTABLE ENGINE STAND. HARRY E. PATRICK, Evanston, and ANDREW J. PETERSON and JOHN W. BROOKS, Chicago, Ill., assignors to Service Station Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1919. Serial No. 333,681. 11 Claims. (Cl. 29—89.)



1. A portable stand of the character described comprising a base, and opposite uprights, one of the latter being rigidly mounted upon the base and the other movably mounted thereon so as to raise and lower, whereby the stand can be moved under the engine of a tractor until its rigid upright is against the side thereof and the movable upright can then be raised against the other side of the engine; and the two uprights being equipped for the seating between them of the object to be supported such as said engine, and provisions being made for securing the movable upright in its raised position.

1,484,737. TIRE-RIM TOOL. CHARLES H. PEER, Denville, N. J. Filed Mar. 28, 1923. Serial No. 628,165. 1 Claim. (Cl. 157—1.)



A tire rim tool including a hand lever, a link pivoted at one side of and at one end of said hand lever, an arm pivotally connected to the end of a link at one end, at the same side as the hand lever, and formed with a rim engaging hook at the other end for engaging the flange at one side of the rim, a link member connected to the hand lever in spaced relation with the end pivotally connected with said link, a pair of links connected at one end to the handle at the pivot with the first mentioned link and at the other end to the end of the link member beyond the lever, a co-operating arm having one end pivotally connected with the pair of links and link member at their point of connection, said pivot being spaced from the hand lever, and said co-operating arm having a rim engaging hook at its other end for engaging the opposite flange at the opposite side of the rim, whereby in the movement of the hand lever to contract a rim, it will move about its pivot on the link through the first portion of its movement and in the remaining portion of its movement the edge of the lever will engage the end of the first mentioned arm and rock on said arm until the edges of the lever and arm contact, the first mentioned link permitting the last mentioned movement of the lever and the pair of links and link members separating the pivots of the respective arms laterally with respect to the line of pull of the arms, and means for securing the lever in edge contact with the edge of the arms.

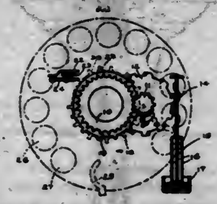
1,484,738. TIRE-RIM TOOL. CHARLES H. PEER, Denville, N. J. Filed Jan. 17, 1923. Serial No. 613,121. 2 Claims. (Cl. 157—1.)



1. A tire rim tool including a pair of arm members formed with rim engaging hooks at normally opposite ends, a hand lever having one end pivoted to the end of one of the arm members opposite the hooked end, a link pivotally connected to the last mentioned arm member at the pivot with the hand member, the other end of said link having a pivotal connection with the end of the

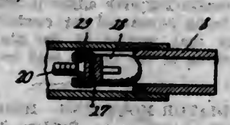
other arm member, and an adjustable link having a pivotal connection with the last mentioned arm member at the connection thereof with the first mentioned link, said adjustable link having an adjustable connection with the hand lever at any one of a plurality of points spaced from the pivot, whereby the links separate the pivots of the arm members from each other and the lever, to provide a means to adjust the leverage of the members in such relation for changing the size of the tool to fit different sized rims, and to hold the pivot separated in contracted relation of the parts in contracting a rim for twisting opposite sides of said rim in relatively opposite relation.

1,484,739. IMPULSE TRANSMITTER. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 17, 1919. Serial No. 297,742. 12 Claims. (Cl. 179—90.)



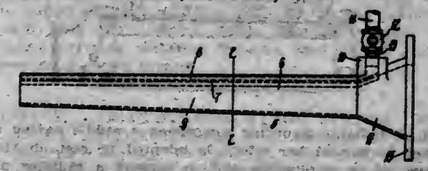
1. In an impulse transmitting device, a number or character plate, a member movable with respect to said plate, and means automatically and variably controlled only by said member for transmitting a variable number of impulses on a decimal and non-decimal basis.

1,484,740. FAUCET. THOMAS RUBINO, Hazleton, Pa. Filed Oct. 16, 1922. Serial No. 594,858. 1 Claim. (Cl. 251—46.)



In a faucet the combination with a pipe section, a nipple secured in one end thereof and providing a seat and a plug secured in the other end thereof and having a stem, there being a groove within said pipe section and an outlet in said section between the nipple and plug, of a screw extending through the plug and stem, a one piece valve between the screw and seat, wings thereon slidably seated in the grooves, a collar on the screw, and a pin extended diametrically through the valve and having inturned ends embracing the collar.

1,484,741. PROCESS FOR FLUSHING AND STUFFING SAUSAGE CASINGS. WILLIAM F. SCHÖNLAND, Jr., Manchester, N. H. Filed Sept. 28, 1923. Serial No. 665,282. 1 Claim. (Cl. 17—45.)



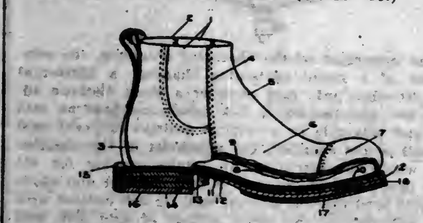
The process of flushing and stuffing sausage casings which consists in pulling a sausage casing on to a tube with a water passage and a meat passage therein, and causing water to flow through said water passage and casing while so doing, then stopping the flow of water through said water passage and closing the outer end of the casing, then forcing meat through said meat passage and into the casing, whereby the casing is filled with meat and pushed off the tube.

1,484,742. LUMINOUS LOCATOR OR MARKER. JEROME M. SHERWIN, Newark, N. J., assignor to The Luminite Corporation, Newark, N. J., a Corporation of New Jersey. Filed Feb. 8, 1922. Serial No. 534,885. 4 Claims. (Cl. 240—1.)



1. A locator or marker comprising a transparent body formed in its rear face with a plurality of adjacent depressions, one a central depression being of great depth, depressions adjacent thereto of less depth, and other depressions of still less depth adjacent to said last-mentioned depressions, a luminous material of a strong degree of luminosity in said central depression, and a luminous material of another degree of luminosity in the depressions adjacent to said central depression, the bounding depressions of the least depth being free from luminous material to cause a diffusion of the light rays from the luminous materials in the respective depressions.

1,484,743. CONGRESS SHOE. JOHN THOMAS TEBBUTT, Three Rivers, Quebec, Canada. Filed Jan. 15, 1923. Serial No. 612,682. 4 Claims. (Cl. 36—30.)

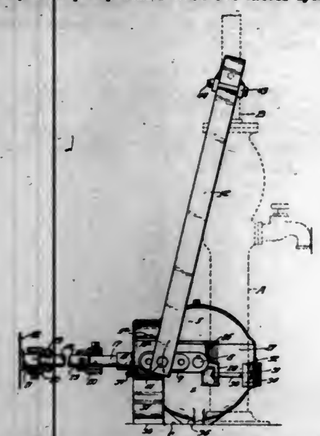


4. In a shoe, a leather front upper in one piece from a vertical seam between itself and counter portion and elastic sides, an insole secured to the upper, an outsole extending through and beyond the heel portion and counter and forming a toe hold extension in removing the shoe, a heel secured to said extending outsole, a half sole secured to the front portion of said outsole, a sheet asbestos insertion between said half sole and said outsole, an asbestos filler between said insole and outsole, and an asbestos sheath lining under said front upper.

1,484,744. PUMP JACK. LEE L. TURNEY, Muskegon, Mich., assignor to The Maximotor Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed Nov. 10, 1922. Serial No. 600,026. 7 Claims. (Cl. 74—14.)

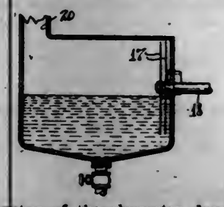
1. A pump jack comprising a closed housing, a reducing train within said housing, said train comprising a crank shaft which extends through the housing, said housing comprising a pair of side walls which are disposed substantially at right angles to each other and which form an external angle, that portion of the crank shaft which is contained within the housing lying immediately adjacent to one of said walls, means associ-

ated with the housing for clamping said walls closely and fixedly to a pump stand with the latter lying in said



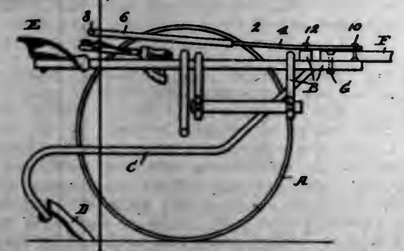
angle, cranks upon the outer ends of said crank shaft, and means for transmitting motion from said cranks to a pump rod.

1,484,745. APPARATUS FOR PURIFYING GASES. HOWARD L. WADSWORTH, Cleveland, Ohio. Filed Mar. 24, 1917. Serial No. 157,286. 1 Claim. (Cl. 261—92.)



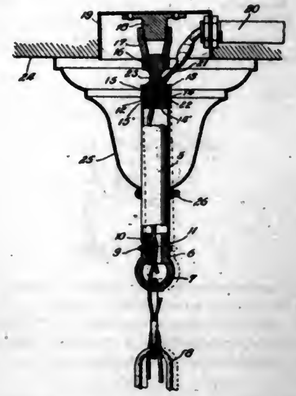
In an apparatus of the character described, the combination of a liquid containing chamber, a horizontal shaft extending into said chamber a short distance adjacent one end thereof, a disk screen mounted on said shaft and rotatable in a vertical position adjacent said end wall of the chamber, the remainder of the chamber being wholly unobstructed, an intake opening for air in the upper half of said end of said chamber and above the liquid level thereof, whereby said air will contact with liquid adhering to the upper portion of said disk, and means for discharging the liquid impregnated air after it has traversed the full unobstructed portion of said chamber.

1,484,746. MANUALLY-CONTROLLED GUIDE FOR CULTIVATORS. HUGH G. WHITE, Malta Bend, Mo. Filed Mar. 10, 1921. Serial No. 451,258. 1 Claim. (Cl. 280—87.)



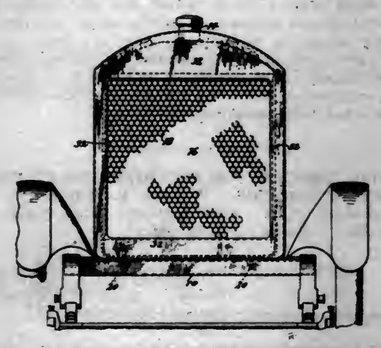
In combination with a wheeled cultivator having a pivoted tongue and a driver's seat, a steering lever fulcrumed on the cultivator frame and consisting of a member fulcrumed on the cultivator frame and pivoted at its forward end to the tongue, a tubular member operably mounted upon the rear portion of the first-mentioned member, means for securing said tubular member at any point of its adjustment, and a handle connected to the rear portion of the tubular member within convenient reach of the driver's seat and projecting in opposite directions from said tubular member.

1,484,747. LIGHTING-FIXTURE STEM. JAMES WILLIAMSON, Chicago, Ill., assignor to R. Williamson & Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 578,076. 2 Claims. (Cl. 240—85.)



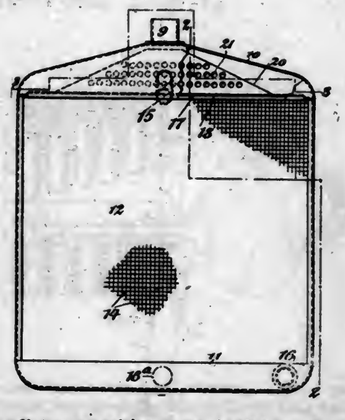
1. A lighting fixture stem comprising a tubular supporting conduit, a plug secured in one end of the conduit and having a contracted neck adjacent said end of the conduit, there being a channel for conductor wires extending through that portion of the plug within the conduit and opening at one end in said neck.

1,484,748. RADIATOR MOUNTING. HENRY M. YEAGER, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 501,996. 10 Claims. (Cl. 180—68.)



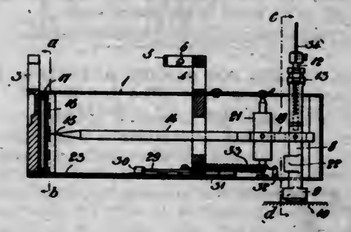
1. A radiator mounting comprising a saddle having a lower horizontal bar which is adapted to rest on the frame of an automobile and to support a radiator at its lower end, and two arms projecting upwardly from opposite ends of the horizontal bar and adapted to be connected with the radiator at the upright edge portions of the same and an independent casing surrounding said saddle and radiator and connected therewith.

1,484,749. RADIATOR. HENRY M. YEAGER, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 6, 1923. Serial No. 630,350. 2 Claims. (Cl. 257—125.)



1. A radiator comprising a core having water passages and air tubes, water supply and delivery tanks communicating with opposite ends of said water passages and having a water inlet and a water outlet, respectively, and means for spreading the water and preventing splashing of the same as it enters said supply tank through the inlet thereof, said means comprising an upright plate arranged in said supply tank in front of said inlet and having its greatest height opposite said inlet and of gradually less height away from said inlet.

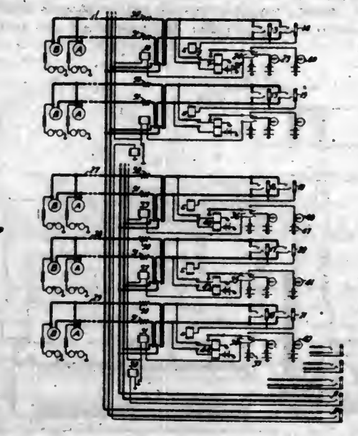
1,484,750. APPARATUS FOR TARGET PRACTICE WITH RIFLES AND OTHER FIREARMS. FINAR ERIK ALM, Stockholm, Sweden. Filed Feb. 1, 1921. Serial No. 441,705. 5 Claims. (Cl. 124—15.5.)



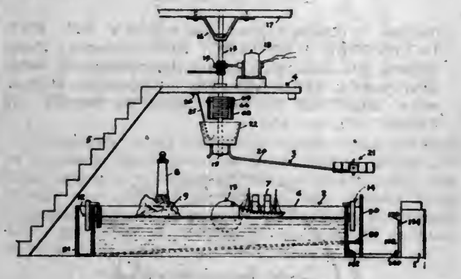
1. An apparatus for target practice with fire arms including a casing attachable to a fire arm, an armature supported in the casing so as to be movable relative to the fire arm in all directions, a target element carried by the armature, a recording device, and means connecting the armature with the recording device so as to transmit the movements of the fire arm to the recording device when aiming the fire arm, the latter being held in aiming position with the armature bearing against a fixed point with respect to the fire arm whereby the target carrying armature remains fixed during aiming movement of the firearm.

1,484,751. TELEPHONE-EXCHANGE SYSTEM. WALLACE P. ANDRICK, Hohokus, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 8, 1922. Serial No. 566,739. 4 Claims. (Cl. 179—58.)

1. In a telephone system, a plurality of lines, each of said lines terminating at a grouping position and at an answering position, a signaling device for each of said lines at each of said positions, means for signaling all of said lines as a group, and means for actuating the signaling devices at the grouping position to denote response to the grouping signal and at the answering position to denote a call from the station.



1,484,752. AMUSEMENT DEVICE. ALVIN G. APPERSON and MATHEW WOLFLE, San Francisco, Calif. Filed May 9, 1922. Serial No. 559,661. 12 Claims. (Cl. 46—56.)

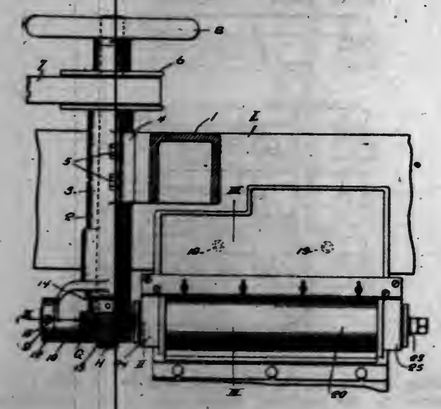


12. A plurality of target elements constructed to simulate buildings, ships, or other structures, a counter behind which said elements are arranged so that they are visible from in front of the counter, a plurality of aerial vehicles, means for moving said aerial vehicles over the targets, a missile in each aerial vehicle, means in each aerial vehicle for releasing the missile and means controllable from the counter for actuating one or more releasing means independently or simultaneously at the will of the operator.

1,484,753. GUM-BOX DRIVE MECHANISM FOR ENVELOPE-MAKING MACHINES. ADDISON E. AUGUSTINE, Hackensack, N. J., assignor to Chester Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 5, 1919. Serial No. 315,396. 1 Claim. (Cl. 91—51.)

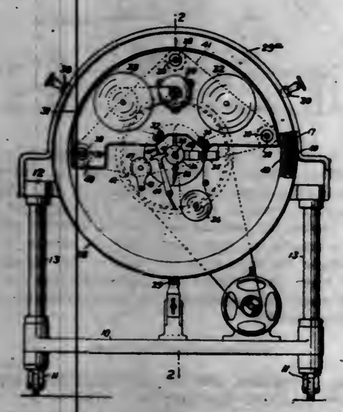
In a machine requiring gumming mechanism, the combination with a gum box having a roller therein, said roller having its bearing shaft projecting exteriorly of the box, of a drive mechanism for said roller, said drive mechanism comprising a bearing, a shaft rotatably mounted in said bearing, a gear carried by said shaft beyond said bearing, an extension part formed upon said bearing, a second shaft rotatably mounted in said

extension upon an axis at an angle to said first shaft, a gear carried by the second shaft constantly meshing with the gear of the first shaft, said second shaft having a socket therein adapted to removably receive the projecting portion of said roller shaft in a manner to drive



said roller, a support, and means whereby said bearing member and said mentioned shafts and gears are supported as an entity upon said support, a second support, and means whereby said gum box and said roller are supported as a separate entity upon said second support.

1,484,754. FILM-FEEDING MECHANISM FOR MOVING-PICTURE MACHINES. SAMUEL BARDY, Philadelphia, Pa., assignor, by mesne assignments, to Bardy Projector Co., Philadelphia, Pa., a Corporation of Delaware. Filed July 20, 1921. Serial No. 486,078. 10 Claims. (Cl. 88—16.8.)



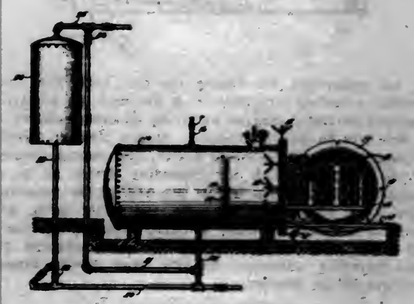
1. A moving picture machine for continuously moving films comprising film feeding mechanism and a compensating system rotatable about a common axis, means for rotating said system in a continuous manner, driving connections between said compensating system and the film feeding mechanism to connect them to each other in a predetermined relation to each other to cause the film and compensating system to register with each other, and actuating mechanism for throwing said driving connections into and out of engagement.

1,484,755. LAWN TRIMMER. WILLIAM M. BLACK, Hanford, Calif. Filed June 27, 1922. Serial No. 571,228. 1 Claim. (Cl. 97—227.)



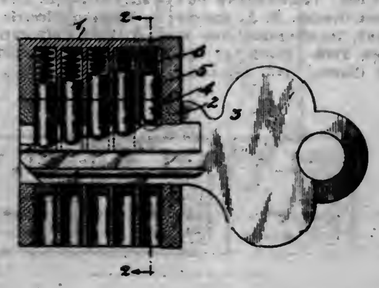
A lawn trimmer comprising a handle provided in one end with a longitudinal slot, a blade having a serrated cutting edge and having a shank beveled along one edge, said shank being inserted in the slot and the blade being aslant rearwardly with its cutting edge extending at an angle to the longitudinal axis of the handle, and rivets passing through the handle and shank substantially in the longitudinal axis of the handle, the back edge of the blade being substantially parallel with the cutting edge throughout all but the tip position of the blade, and the back edge of the blade near the tip thereof approaching the cutting edge at an angle of approximately 45° to the plane of the cutting edge.

1,484,756. COOKER FOR CANNED MATERIAL. FRANK D. CHAPMAN, Berlin, Wis. Filed Aug. 3, 1923. Serial No. 655,532. 5 Claims. (Cl. 126—272.)



1. The combination with a vat, of a tank, means for supplying a heating medium to said vat, means for supplying cooling water to said vat, means connecting said water supply means to said tank for compressing air therein and means for supplying said compressed air to said vat.

1,484,757. PIN-CYLINDER LOCK. WILLIAM T. CONEY, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed June 27, 1922. Serial No. 571,312. 1 Claim. (Cl. 70—7.)



In a pin tumbler lock, a cylinder, a plug rotatable therein, said plug having a key slot, said plug and cylinder having pin passages arranged to hold a plurality of pins, one of the pin passages in said plug being shorter than the others, and a guard pin of hard metal movable in the said shorter passage for the purposes described.

1,484,758. AIRSHIP. MANUEL PARDO Y COSIO, Madrid, Spain. Filed Dec. 24, 1920. Serial No. 432,975. 9 Claims. (Cl. 244—12.)

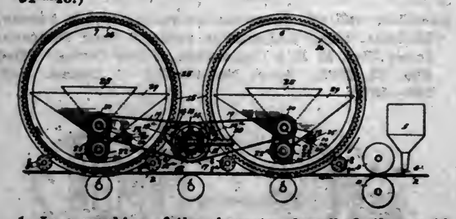


1. In an airship, a plane having symmetrical openings at opposite sides of and parallel with its transverse axis and extending substantially the entire width or fore-and-aft distance of the plane, and movable sections corresponding in size and shape to said openings for covering or uncovering the same to increase or decrease the surface area of the plane, said sections being disposed slightly above the plane; and means for moving the sections in unison in either direction at will independently of the movements of the plane.

1,484,759. METHOD OF MAKING A WATERPROOF, FLEXIBLE, ABRASIVE-HOLDING COMPOSITION AND PRODUCT. FRANK JOSEPH CRUPI, Brooklyn, N. Y., assignor to Herman Behr & Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,941. 8 Claims. (Cl. 87—17.)

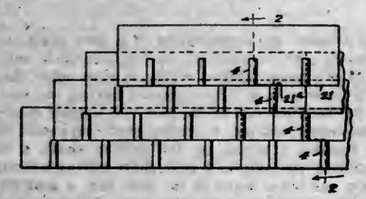
1. The method of producing a waterproof, flexible composition for holding abrasive material in place on abrasive articles of manufacture, and for other purposes consisting in dissolving rosin in phenol and thereby forming an acidulated solution capable of absorbing water to a limited extent and the acid in which serves to reduce the surface tension between the rosin and the hereinafter mentioned glue; and in mixing with such rosin-phenol solution an aqueous solution of glue having an acetic acid content which acts to minimize coagulation of the glue and to keep the mixture from jellying.

1,484,760. ROOFING MACHINE. HARRY A. CUMFER, Chicago, Ill., assignor, by mesne assignments, of one-half to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1919. Serial No. 316,373. Renewed Aug. 17, 1923. 10 Claims. (Cl. 91—43.)



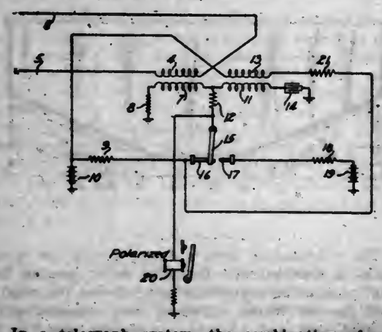
1. In a machine of the character described, the combination with means for feeding a roofing sheet having an adhesive bituminous coated surface, of revolving drums provided with spaced openings of predetermined configuration, means for feeding grit through said openings whereby mineral grit can be applied to spaced areas of said adhesive coating, of a mechanism for returning excese material to be redistributed.

1,484,761. ROOFING PRODUCT. HARRY A. CUMFER, Chicago, Ill., assignor, by mesne assignments, of one-half to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1919. Serial No. 316,374. 3 Claims. (Cl. 108—7.)



1. Prepared roofing comprising shingle elements adapted to overlie when placed on a roof, having bossed portions formed in the sheet extending from the lower edge thereof the embossed portions of one element being staggered relative to the embossed portions of the element above and below, the indentures beneath said embossed portions being filled with filler substance.

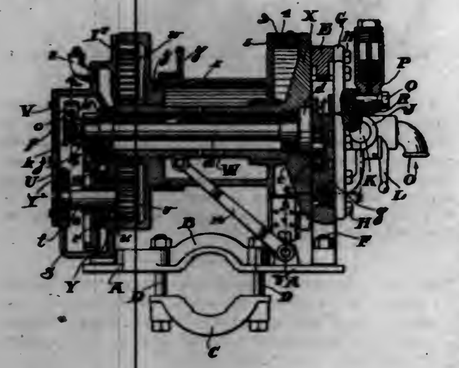
1,484,762. TELEGRAPH SYSTEM. GEORGE C. CUMMINGS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,904. 11 Claims. (Cl. 178—88.)



1. In a telegraph system, the combination of an incoming telegraph line, a relay comprising a line winding, an armature, a local circuit winding arranged to exert an influence thereon sufficient to set said armature in mo-

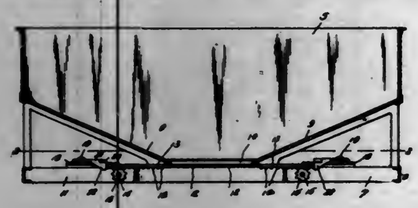
tion, and a further local circuit winding adapted to produce an effect opposing the influence of said first local circuit winding when said line winding is not traversed by signal current impulses.

1,484,763. HOIST. JESSE DITSON and ARTHUR E. PETERS, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 12, 1921. Serial No. 491,712. 3 Claims. (Cl. 254—187.)



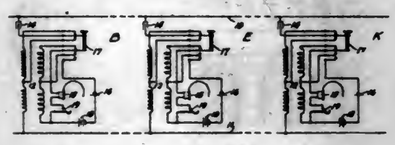
1. In a hoist, the combination of a base plate, a gear box forming a frame mounted on the base plate and having inner and outer integral walls, an open outer side and a closed inner side, a center bearing having one end supported in the inner wall of the gear box, a drum concentric with the center bearing, a driving shaft supported in the center bearing, a pinion on the driving shaft, a clutch for actuating the pinion, a gear shaft having bearings in the inner and outer walls of the gear box, a gear on said gear shaft adapted to mesh with said pinion, an internal gear on the drum, a second gear on the gear shaft meshing with said internal gear, a cover for said gear box whereby the gears, pinion and clutch are entirely enclosed, and a guard flange on the body of the gear box extending in close proximity to the open face of the drum and forming a closure for the internal gear.

1,484,764. ACTUATING MECHANISM FOR COAL DUMP CARS. JONATHAN B. DODD, Cumberland, Md. Filed June 1, 1923. Serial No. 642,869. 2 Claims. (Cl. 105—282.)



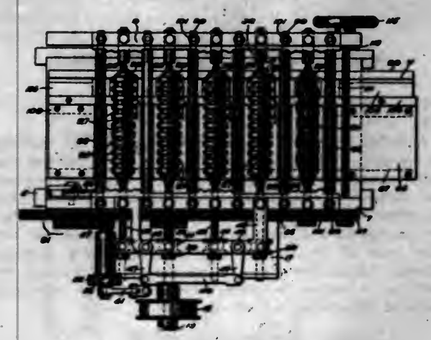
1. The combination with a dumping coal car wherein the same is provided with the usual outlet opening, longitudinally extending supporting bars between the usual end bars of the car frame, a pair of door elements slidable upon said bars and adapted for closing said car door opening, extensions formed upon opposite transverse edges of said doors, rack teeth formed upon the under side of said extensions, spur gears journaled between said longitudinal supporting bars in mesh with the teeth of said door extensions, means for rotating said spur gears, and means for engaging the ends of said extensions when the doors are closed for maintaining the same in a closed position.

1,484,765. TELEPHONE SYSTEM. GEORGE D. EDWARDS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 12, 1919. Serial No. 289,667. 30 Claims. (Cl. 179—28.)



1. A telephone system comprising a plurality of stations, a pair of conductors common to the stations, a bridge circuit at each of the stations individual thereto and extending between the conductors, and receiving apparatus individual to each of the stations and included in the bridge circuit thereof; the resultant impedance of each of the bridge circuits lying between five thousand and twenty thousand ohms at 800 cycles per second, and the resultant impedance angle thereof lying between fifty-five and eighty-eight degrees at the same frequency.

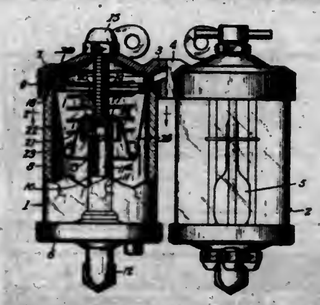
1,484,766. MACHINE FOR CLEANING BOOK COVERS AND THE LIKE. HJALMAR ERICKSON, Cambridge, Mass. Filed Apr. 22, 1921. Serial No. 463,624. 11 Claims. (Cl. 41—7.)



1. A machine for cleaning surplus leaf from stamped book covers and the like comprising a work support, means for advancing the work over the support and a plurality of rubbing devices operating on the work as it advances, each contacting with the work along a narrow transverse zone, and means to give said devices rolling rubbing motions in opposite directions to bend, break and lift the surplus leaf.

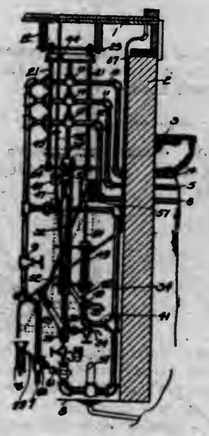
1,484,767. GASOLINE FILTER. WILLIAM FELL, Chicago, Ill., assignor to Visible Gasoline Filter Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1920. Serial No. 363,544. 16 Claims. (Cl. 210—165.)

1. In a filter the combination of a receptacle, a filtering medium of relatively pliable material mounted within said receptacle with its inner and outer portion secured in fixed position, and a member mounted in said receptacle



and bearing concentrically upon said filtering medium intermediate its inner and outer portions, to retain the same in a predetermined form.

1,484,768. WATER-SPRINKLING SYSTEM. LANE M. FOUTS, Spokane, Wash. Filed June 7, 1921. Serial No. 475,825. 5 Claims. (Cl. 137—144.)



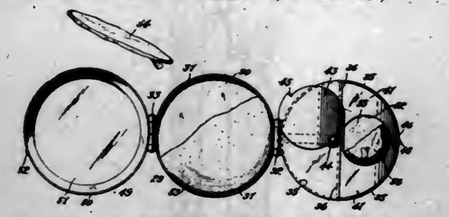
1. The combination in a water distributing system including distributing pipes each having a control valve, of means for successively opening said control valves, and independent means for subsequently closing them, hydraulic means for operating said valve opening means, and means under pressure for governing said hydraulic means.

1,484,769. LOCKING WASHER FOR NUTS AND THE LIKE. ARTHUR GRAHAM FRANCE, London, England. Filed July 20, 1922. Serial No. 576,314. 5 Claims. (Cl. 151—30.)



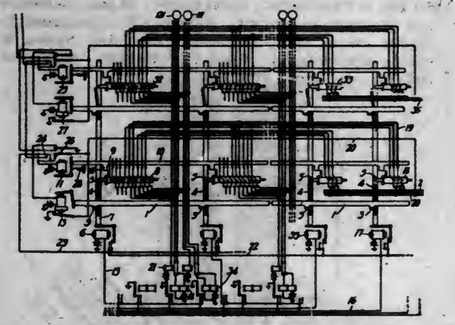
1. In a locking washer the combination of two flat angular members spaced apart and connected along one edge, and coaxial screw-threaded apertures in the said members to receive a bolt, the axis of the apertures being at a small inclination from the vertical to the flat face of one angular member and the members being inclined from the same side of a perpendicular to the axis of the bolt to which the washer is applied.

1,484,770. VANITY BOX. FREDERICK GOERTZ, Newark, N. J., assignor to August Goertz & Co., Newark, N. J., a Corporation of New Jersey. Filed Jan. 29, 1923. Serial No. 615,717. 9 Claims. (Cl. 132—83.)



1. A vanity box comprising a main chambered body provided with a marginal side-wall, an auxiliary chambered body hinged to said side-wall, so as to be moved into a nested relation into said main body, said auxiliary body being provided with a receiving opening, a closing plate slidably connected with said auxiliary body for closing said opening, and a lid or cover hinged to said side-wall, said lid or cover being adapted to be moved over and serving as a closure for both of said bodies.

1,484,771. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to The Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Continuation of application Serial No. 340,566, filed Nov. 25, 1919. This application filed Dec. 5, 1921. Serial No. 519,857. 35 Claims. (Cl. 179—18.)

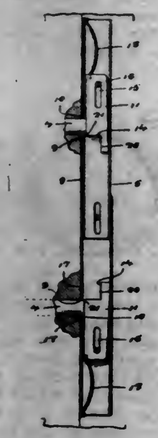


1. In a telephone system, a group of calling lines, a group of transfer circuits, a trunk line, a switching mechanism to connect said lines to said transfer circuits, a switching mechanism individual to each transfer circuit to connect said transfer circuits to said trunk line, an actuating bar for rendering said switching mechanisms operative, a magnet common to said calling lines to actuate said first switching mechanism when made operative by said actuating bar, and a magnet individual to each of said lines to actuate a particular one of said individual switching mechanisms when made operative by said actuating bar.

1,484,772. SAFETY DEVICE FOR BANK VAULTS. BENJAMIN F. GRAY and ANDREW J. MORRISSON, Valera, Tex. Filed Dec. 6, 1921. Serial No. 520,328. 3 Claims. (Cl. 109—3.)

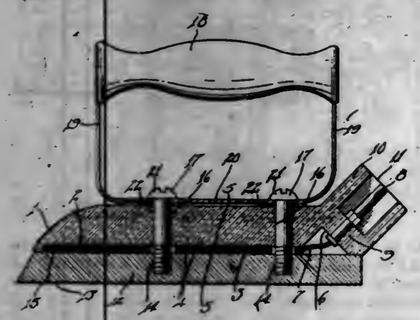
1. In combination with a bank vault, of means for preventing the accidental throwing of the bolts on the door in locking position in the casing for the door, com-

prising a housing constructed of adjustable sections secured on the casing and having openings to receive the bolts therethrough, spring influenced notched members in the housing susceptible of a longitudinal and tilting movement and normally covering the bolt receiving openings.



means for moving the members out of such position to bring the notched ends thereof opposite the openings in the housing, means sustaining the members in such position, and the notched portions of the members designed to be contacted by the thrown bolts to swing the said members away from the sustaining means therefor.

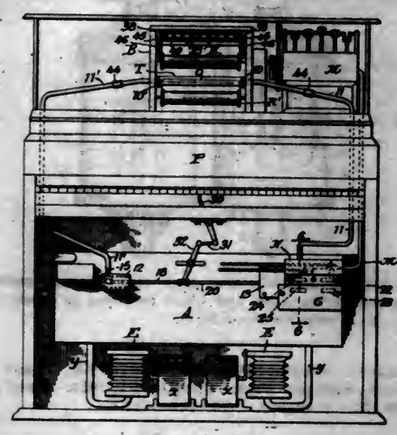
1,484,773. ELECTRIC FLATIRON. AAGE GROULEFF and HAROLD A. HOLMES, Chicago, Ill., assignors to Walter De L. Carr, Hammond, Ind., and Nelson S. Moore, Riverside, Ill. Filed Dec. 7, 1922. Serial No 605,405. 1 Claim. (Cl. 219—25.)



An electric flatiron of the character described having a molded non-metallic body portion fashioned to provide a plug receptacle, an electric heating element disposed in said body portion and having its terminals supported within the receptacle formed in said body mmber, and a metal work engaging member mounted on said body portion and contacting the bottom wall thereof.

1,484,774. DEVICE FOR CLEANING PLAYER PIANOS. ALFRED PHILIP GROVES, Charleston, S. C. Filed Oct. 17, 1922. Serial No. 595,081. 15 Claims. (Cl. 283—64.)

1. A cleaner for pneumatic player musical instruments, comprising a hood mounted on the instrument and movable over the tracker-bar to cover all the usual openings therein, means for connecting said hood with the pneu-



matic pumps of the player, whereby when the hood is on the tracker-bar in operative position, air suction may be established in said hood.

1,484,775. TOY. GALEN A. HAIGHT, Detroit, Mich. Filed Jan. 4, 1923. Serial No. 610,724. 3 Claims. (Cl. 244—24.)

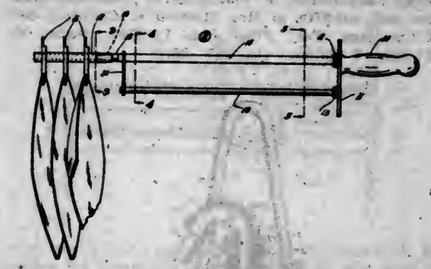


1. A toy of the class described comprising a main body portion; flanges mounted on and integral with said body portion; tongues punched from said body portion and integral therewith, said tongues being provided with openings formed therein; a keeper slideably mounted on said body and projected through said tongues one end of said keeper being formed U-shaped, the free end thereof being sharpened and projected through a plurality of said tongues; means mounted on said keeper for preventing its removal from said tongues; standards carried by and integral with said flanges; wheels mounted on said standards and provided with channels for the reception of a cord; and guide members integral with said body portion for preventing the removal of said cord from said channels.

1,484,776. TAG HOLDER. ANGUS F. HANNEY and ALEXANDER GAMMELL, Chicago, Ill., assignors to Eureka Rough Dry Pin System Co., Chicago, Ill. Filed Feb. 7, 1923. Serial No. 617,539. 10 Claims. (Cl. 294—1.)

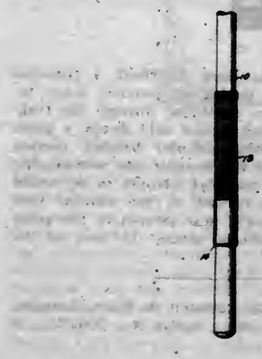
1. A device of the class described including in combination with a laundry tag carrying member, of a supporting member, and an elongated member extending

laterally from said supporting member and having means facilitating the positioning of said member in end regis-



tration with a tag carrying member whereby the tags can be transferred from the tag carrying member onto the elongated member.

1,484,777. DRUMSTICK. WILLIAM J. HASSENPFLUG, Chicago, Ill. Filed Jan. 12, 1922. Serial No. 528,600. 2 Claims. (Cl. 84—422.)



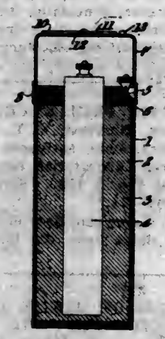
1. As a new article of manufacture, a drum stick having a butt, a point, a balance between the butt and the point where the stick should be held for proper execution, and a cord winding on the balance of the stick and terminating at or about the ends thereof.

1,484,778. ART OF AERONAUTICS. HERBERT E. HAWES, Brooklyn, N. Y., assignor of thirty one-hundredths to Walter D. Edmonds, Boonville, N. Y. Filed Mar. 29, 1920. Serial No. 369,512. 54 Claims. (Cl. 244—21.)



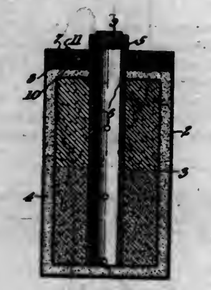
1. In an organized aircraft comprising a thereby detachably carried member projecting outwardly from the fairing of the empennage; means liberatably carried by said aircraft to separate therefrom and suspend independently thereof an occupant of the aircraft; means operable from within the aircraft to liberate therefrom said separating and supporting means; and means similarly operable to simultaneously detach from the aircraft said projecting member to prevent it from colliding with said occupant.

1,484,779. DRY CELL AND PROCESS OF REDUCING GASEOUS PRESSURE THEREIN. GEORGE W. HEISE, Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed June 30, 1921. Serial No. 481,716. 12 Claims. (Cl. 204—38.)



12. The process of preparing a dry cell of the deferred action type for rapid activation by addition of liquid, and activating the same when desired for use, comprising producing sub-atmospheric pressure therein, hermetically sealing the cell, immersing in liquid, and breaking the seal to permit the liquid to enter and permeate throughout the cell.

1,484,780. PERMEABLE DEPOLARIZING MASS AND PROCESS OF MAKING THE SAME. GEORGE W. HEISE, Elmhurst, N. Y., and CLARENCE W. BROKATE, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,366. 16 Claims. (Cl. 204—38.)



2. A process of preparing a depolarizer, comprising forming a mixture of a finely divided reducible compound, a conductive material, and an electrolyte salt and making said mixture plastic by incorporating therewith a liquid adapted to be removed without rendering said mixture difficultly permeable, and removing said liquid therefrom.

1,484,781. PRIMARY ELECTRIC CELL AND PROCESS OF PREPARING DEPOLARIZER THEREFOR GEORGE W. HEISE, Elmhurst, N. Y., and CLARENCE W. BROKATE, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Dec. 14, 1921. Serial No. 522,387. 12 Claims. (Cl. 204—38.)

1. A process of making galvanic cells, which comprises disposing in operative relation to a sulfured copper oxid depolarizer a nitrogenous material capable of improving the service characteristics of the cell.

1,484,782. DEPOLARIZING MIXTURE AND METHOD OF PREPARING THE SAME. GEORGE W. HEISE, Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Jan. 30, 1922. Serial No. 532,919. 7 Claims. (Cl. 204—36.)

1. Method of preparing a battery depolarizer, comprising subjecting a mixture containing indurated manganese dioxide and conductive carbon to a dry milling operation until the desired depolarizing efficiency is attained.

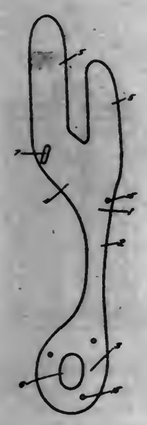
1,484,783. COATED PRIMARY-CELL ELECTRODE. GEORGE W. HEISE, Elmhurst, N. Y., and CLARENCE W. BROKATE, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,551. 5 Claims. (Cl. 204—34.)

5. In a dry cell, a zinc container electrode, and a coating of aluminum oleate upon the inner surface of the container.

1,484,784. PROCESS OF MAKING GELATINOUS ALKALINE ELECTROLYTE AND COMPOSITIONS THEREFOR. GEORGE W. HEISE, Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,526. 5 Claims. (Cl. 204—38.)

3. A composition for use in preparing electrolyte, comprising dry sodium hydroxid and starch in intimate admixture therewith.

1,484,785. APPARATUS FOR SUPPORTING ARCHES. JOHN M. HESS, Columbus, Ohio. Filed May 14, 1923. Serial No. 639,838. 4 Claims. (Cl. 36—76.)



1. In combination with a shoe, a reinforcing element comprising a shank portion mounted to extend only beneath the longitudinal outer arch of the foot and avoiding support of the inner longitudinal arch, a portion thereof extending back over the heel of the shoe, and a transverse portion thereof extending across the forward end of the shank.

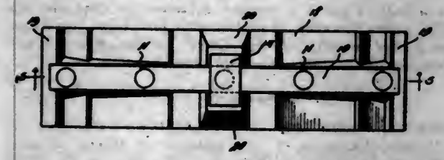
4. In combination with a shoe, a reinforcing element comprising a shank portion mounted to extend only beneath the longitudinal outer arch of the foot and avoiding support of the inner longitudinal arch, a portion thereof extending back over the heel of the shoe, and means for fixing the inner portion of the shank of the shoe in different adjusted positions.

1,484,786. HYDRAULIC SWIVEL. HORACE GRESLEY JOHNSTON, Corsicana, Tex., assignor, by direct and mesne assignments, of four-fifths to Genevieve Johnston and one-fifth to Mrs. Howard E. Caldwell, both of Corsicana, Tex. Filed June 1, 1921. Serial No. 474,246. 4 Claims. (Cl. 285—25.)



1. In mechanism of the class described, a trunnion block, a housing thereon having an internal flange below its top, a swivel stem extending through the trunnion block into the housing beyond said flange, a goose neck having a counterbored annular bearing portion fitted in the upper end of the housing and surrounding the swivel stem, packing material adapted to be seated in the annular chamber formed by the counter bore about the swivel stem, and a pipe secured to the goose neck and extending therefrom within the bore of the swivel stem.

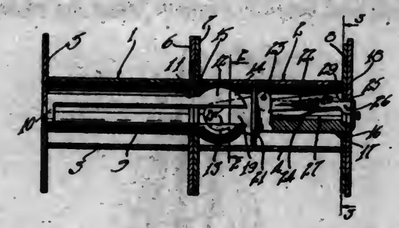
1,484,787. BRAKE SHOE. JOSEPH J. KARR, Linnton, Oreg. Filed Dec. 6, 1921. Serial No. 520,372. 1 Claim. (Cl. 188—258.)



A brake shoe comprising a cast metal body, a transversely bowed plate extending throughout the length of the body and the intermediate portion of the same, substantially flush with the intermediate portion of the back of the body, a lug formed on the back of the body and a substantially rectangular loop molded in the body with its upper surface flush with the upper face of the lug and having its ends engaged with the bowed plate.

1,484,788. CUFF LINK. FRANK KELLER, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,262. 3 Claims. (Cl. 24—110.)

1. A device of the character described comprising a pair of separable link members adapted to be held in the opposite fastening portions of a garment cuff, a tongue disposed in one of said links and extending exteriorly thereof, said tongue having a contractible enlarged head portion, the opposite link being provided with a restricted opening through which said head portion may be projected when in its contracted condition, and a bolt disposed within the last named link arranged



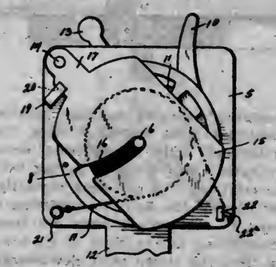
to be moved into engagement with said contractible head portion for preventing the contraction of said head portion and thereby locking said links one to another.

1,484,789. SHIPPING OR PACKING BOX. ABRAHAM LACKEY, Rialto, Calif. Filed Apr. 22, 1922. Serial No. 556,060. 2 Claims. (Cl. 220—6.)



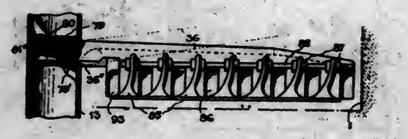
1. A shipping box comprising a bottom, sides, ends and a cover adapted to have interlocking engagement with each other when the box is set up, the bottom having inturned guide flanges and the cover having beads, and members extending across the bottom and then extending upward and being formed at the junction of the transversely extending portion with the upwardly extending portions with beads adapted to receive and interlock with the inwardly turned flanges, the upper ends of the upwardly extending portions being formed to engage in and interlock with the beads of the cover to thereby hold the parts in their knocked down condition.

1,484,790. SPRING-WINDING DEVICE. HENRY F. LAFORTUNE, Biddeford, Me. Filed Jan. 10, 1923. Serial No. 611,744. 4 Claims. (Cl. 81—7.5.)



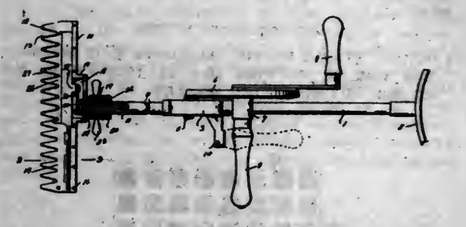
1. A spring winding device comprising a support provided with means for engagement within a vise to effect holding, a shaft journaled through said support and having a crank handle, a disk on the shaft spaced from the support and defining a compartment, a ratched on said shaft within said compartment, a pawl within said compartment co-operating with said ratchet and having an end projecting beyond the support to facilitate manipulation, a guard plate rotatably mounted on said support and having a slot for the reception of said shaft, and means on the support for holding the guard plate in an adjusted position.

1,484,791. ROASTING FURNACE. ARTHUR VICTOR LEGGO, Melbourne, Victoria, Australia. Original application filed Dec. 22, 1921, Serial No. 524,301. Divided and this application filed July 3, 1923. Serial No. 649,382. 10 Claims. (Cl. 259—144.)



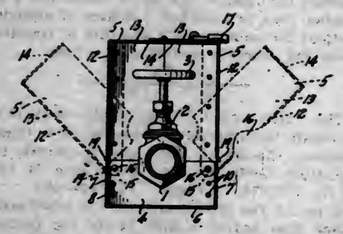
1. In roasting furnaces, a rabble arm, a row of stirring teeth on the front and a row of furrow forming teeth on the back of the rabble arm, and downwardly, forwardly and inwardly inclined shanks on the stirring teeth having broad feet set at an angle to the front of the rabble arm.

1,484,792. HEDGE TRIMMER. EUGENE G. LOVELACE, High Point, N. C., assignor of one-fourth to Tom Gianoulis and one-fourth to R. J. Wagger, both of High Point, N. C. Filed Apr. 18, 1923. Serial No. 632,899. 3 Claims. (Cl. 30—11.)



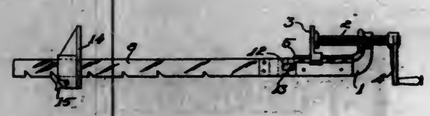
1. An implement of the class described comprising a head, a reciprocating cutting blade associated therewith, a tubular member, means for coupling the head to the tubular member, said head being adjustable about the tubular member as an axis, said coupling means operating to hold the head fixed with respect to the tubular member, and means for reciprocating the blade.

1,484,793. LOCKED HOUSING FOR VALVES. JAMES W. MOORE, Moultrieville, S. C. Filed Sept. 9, 1922. Serial No. 587,161. 7 Claims. (Cl. 70—123.)



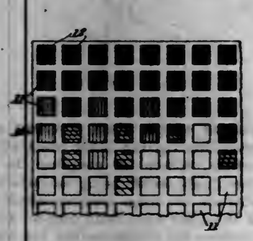
1. A locked housing for pipe line valves comprising a base section which is adapted to engage under the valve, and two opposed hingedly supported sections mounted upon the base section and adapted to move in engagement with each other and assume positions over the pipe line valve, said hingedly supported sections adapted to move to positions laterally and upwardly, and means for locking the two hingedly supported sections together.

1,484,794. EXTENSIBLE CLAMP. MAX H. MOSES, San Francisco, Calif. Filed Sept. 13, 1922. Serial No. 587,954. 1 Claim. (Cl. 144—299.)



A clamp comprising a short beam, a leg at one end of same, a screw threaded through said leg, a clamp jaw swivelly engaged by said screw and slidably mounted on said beam, the opposite end of said beam having a groove and a flange extending entirely across one side face, a detachable beam member having a complemental flange and groove extending entirely across one side face at one end thereof, whereby to permit rapid lateral interlocking coupling and uncoupling of the first named beam and the detachable beam, cooperating means carried by the first beam and the detachable beam for preventing relative transverse sliding movement of the respective beams, a lock pivotally mounted on one of said beams to prevent lateral separation thereof at their interlocked ends, and a clamp jaw movable along the detachable beam.

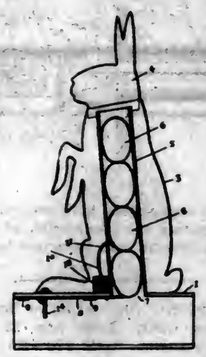
1,484,795. COLOR PIANO. ALEXANDER E. O. MUNNELL, New York, N. Y. Filed Mar. 24, 1923. Serial No. 627,506. 8 Claims. (Cl. 88—14.)



1. The combination of a color board containing color samples graduated according to hue, value and chroma, electric light bulbs for individually illuminating the color samples and means for controlling the illumination, said means including a key board containing a plurality of parallel rows of switches, a source of electricity and connections for establishing a plurality of circuits including each the source, a switch and a bulb.

1,484,796. EGG-LAYING TOY. RUDOLPH H. SCHNIERER, Cincinnati, Ohio, assignor of one-fourth to Cora M. McClanahan, Cincinnati, Ohio, and one-fourth to Nancy D. Shelton, Covington, Ky. Filed June 16, 1922. Serial No. 568,674. 1 Claim. (Cl. 46—40.)

In a toy of the type described, the combination with a hollow base having a hole in its top portion, of a hollow object representing an animal, mounted upon said base over said hole, an outwardly movable drawer in said base beneath said hole, a number of superimposed eggs within said hollow object, a slide movable beneath said hole for preventing said eggs from dropping through the hole in the top portion of said base when the drawer is in its closed position, means operable by said drawer when pulled outwardly, to withdraw said movable slide from said hole, to permit the lowermost egg to descend into said drawer, and a spring element pivotally secured within said hollow object, the lower end of said element being connected to the slide and the upper end of said element being curved to resiliently engage the egg next



above the one to be released, to prevent it and the eggs above from falling into said drawer when the slide is drawn outwardly by the latter.

1,484,797. PHOTOGRAPHIC-PRINTING MACHINE. CLEVELAND SIMPSON, Winston-Salem, N. C., assignor of one-half to John L. Berrier, Winston-Salem, N. C. Filed Mar. 9, 1920. Serial No. 364,566. 11 Claims. (Cl. 95—73.)

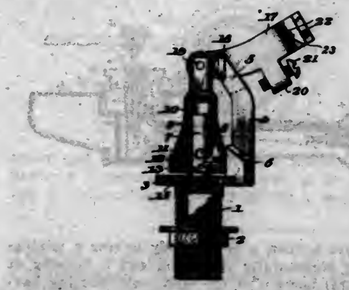


1. A photographic printing machine provided with a rearwardly slanting front having a light transmitting opening therethrough, light transmitting means at said opening, a rockable clamp member having two wings in acute angular relation, with one wing normally underriding the lower edge of the light transmitting means and the other wing in engagement with the front face of the light transmitting means close to its lower edge, a chute leading from the clamp plate downwardly, a rockable shelf below the clamp plate and normally engaging the latter, and means connected to the shelf and accessible from the front of the machine for rocking the shelf.

1,484,798. SEATLESS VALVE. JAMES ROBERT SMITH, Mechanicsville, N. Y. Filed Apr. 17, 1922. Serial No. 553,901. 2 Claims. (Cl. 137—104.)

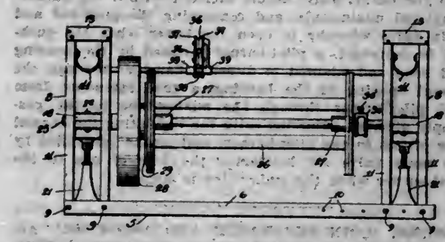
1. In a valve, the combination with a coupling, of a hollow nipple attached thereto which is provided with discharge ports, an arm connected to the coupling, a lever having a detachable pivotal connection to the arm

and provided with a set screw adapted to engage the arm when the lever is moved, and a valve pivoted to the lever and telescoping over the nipple, said valve being provided with packing bearing on the nipple and arranged



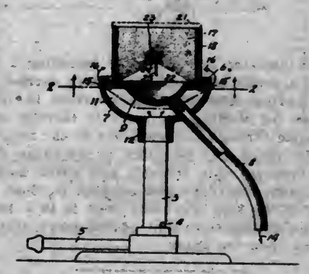
and adapted to cover and uncover the ports of the nipple, the extent of the uncovering of the ports by the valve being regulated by the engagement of the set screw with the arm.

1,484,799. WIRE-LINE SPOOLER. FRED SQUIRE, Wellington, Kans. Filed Dec. 20, 1922. Serial No. 607,972. 4 Claims. (Cl. 242—85.)



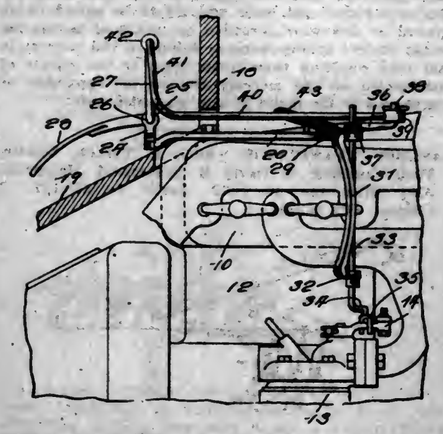
1. In a device of the character described, a support comprising a pair of standards, each standard being composed of a pair of spaced open frames, cross bars slidably mounted within the frames, bearing blocks carried by said cross bars, a shaft revolvably mounted in said bearing blocks, aid means for elevating said cross bars.

1,484,800. DENTAL APPLIANCE. JACOB J. STARK, Brooklyn, N. Y. Filed Dec. 5, 1922. Serial No. 605,133. 4 Claims. (Cl. 22—73.)



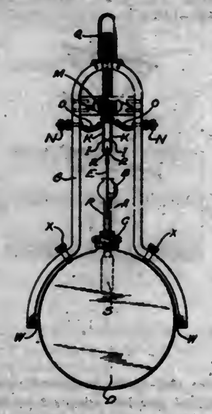
1. In an appliance for drying out a dental mold and fusing and flowing out the cavity-form, the combination of a structure including a plate for supporting the mold, drainage means carried by the structure for the fluid from the fused cavity-form, fuel-discharging means carried by the structure along a circumferential line surrounding the upper portion of the drainage means and constituting a burner for heating the mold and simultaneously heating the draining means.

1,484,801. ACCELERATOR. GEORGE STEWART, Brownsville, Pa. Filed July 25, 1923. Serial No. 653,699. 5 Claims. (Cl. 74—39.)



1. A throttle control for engines having a carburetor provided with a throttle shaft and a throttle arm carried by the shaft, comprising a frame adapted to be secured to the head of the engine having an angular extension overlying the carburetor, the angular extension being provided with a depending arm, the arm and extension having vertically aligned bearings, a shaft directed through said bearings and having at its lower end an offset fork portion the arms of which embrace the throttle arm, and foot operated means for rotating said shaft in one direction and a spring for rotating the shaft in the opposite direction.

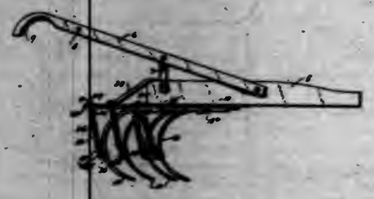
1,484,802. THERMOSTAT. GEORGE F. TAYLOR, Washington, D. C., dedicated, by mesne assignments, to the citizens of the United States of America. Filed Dec. 13, 1923. Serial No. 680,473. 1 Claim. (Cl. 297—3.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



A thermostat consisting of a frame, a tube and an expansion bulb supported by said frame, said tube having an enlargement at its upper end and a rubber sack at its lower end, a spherical piston fitting loosely into said tube, a stem attached to said piston at its lower end and extending upwardly through said tube, said expansion bulb adapted to enclose said sack, said lower portion of said tube containing mercury, a small air space pro-

vided in said tube around said piston, said sack and lower end of said tube being hermetically sealed into said expansion bulb, said expansion bulb containing liquid, said piston and stem adapted to be moved in an upward or downward direction by means of motion imparted thereto by the rising or falling of the mercury in said tube resulting from compression or the release of compression on the mercury due to the expansion or contraction of the liquid in said expansion bulb.

1,484,803. CULTIVATOR. SILAS P. TAYLOR, Loretto, Tenn., assignor to David E. Sutherland, Haleyville, Ala. Filed Jan. 18, 1922. Serial No. 530,117. 3 Claims. (Cl. 97—175.)



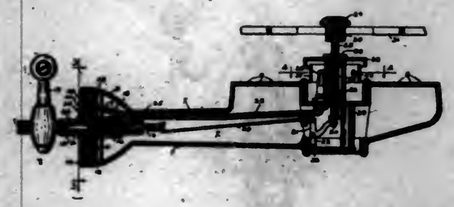
1. A cultivator of the character described comprising a beam, a supporting member carried by the beam, auxiliary supporting members carried by said first mentioned supporting member, holding members carried by the first mentioned supporting member in spaced relation to the auxiliary supporting members, cultivating implements carried by the auxiliary supporting members, means carried by said implements and engaged with the auxiliary supporting members for holding said implements in various adjusted positions, a rod connected to each of the implements remote from the portion of the implements connected to the auxiliary supporting members, said rod being movable through openings provided in the holding members, springs surrounding said rods and engaged with the lower face of the holding members, said holding members being adjustably connected to the first mentioned supporting member.

1,484,804. SIGNPOST. CURT LINDSEY TERRY, El Paso, Tex. Filed July 27, 1923. Serial No. 654,235. 1 Claim. (Cl. 40—145.)



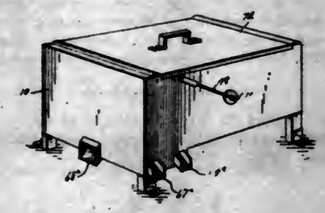
A device of the character described comprising a post having a cylindrical portion adapted to be set in a concrete base and a flat portion projecting above the circular portion provided with a rib at its rear face, transverse bars secured to the flat face of the post in spaced relation, triangular panels removably connected to the transverse bars, said bars having their ends sheared off coincident to the inclination of the sides of the panels, and a bar secured transversely to the flat portion of the post and below the panels providing means for displaying directional indicia.

1,484,805. AUTOMATIC-LIGHTING GAS-STOVE BURNER. JAMES WHALEN, Omaha, Nebr., assignor to Oscar L. Ford, Omaha, Nebr. Filed Oct. 1, 1921. Serial No. 504,655. 1 Claim. (Cl. 126—52.)



In a gas stove burner, a burner-body having a mixing-tube extending horizontally therefrom and a housing at the upper central portion of the body, said housing having a lateral opening, a hood disposed over the housing in spaced relation thereto and having a depending marginal flange extending below the upper edges of the housing, a gas-supply pipe connected with the mixing-tube, a main valve controlling admission of gas from said supply pipe to the mixing-tube, a spring normally holding said main valve in closed position, a vertically movable push-rod extending through the hood and housing into the burner-body, means inclosed within the burner-body and mixing-tube and connecting the push-rod and main valve whereby to open the latter when the push-rod is depressed, a pilot-burner inclosed by the housing and hood and adapted to direct a flame-jet through the lateral opening of the housing, a tube extending from said pilot-burner through the mixing-tube to the gas-supply pipe, an adjusting-valve for regulating the normal flow of gas to the pilot-burner, and means controlled by the main valve for increasing the flow of gas to the pilot-burner when the main-valve is opened.

1,484,806. COIN SEPARATOR AND ASSORTER. ADDEN H. YOUNG, Nashville, Tenn. Filed Apr. 14, 1923. Serial No. 632,069. 14 Claims. (Cl. 133—3.)



1. A coin assorter and separator including a supporting frame, a series of superposed trays carried therein, the trays having differential perforations in their bottoms, means for shaking the trays to thereby cause the coins to joggle through the apertures in the trays, means whereby the trays may be tilted to discharge the coins from the forward ends thereof, and gates mounted in connection with the trays and adapted to close the forward ends of the tray when the tray is in a horizontal position, the tilting movement of the trays acting automatically to open the gates.

1,484,807. CUFF BUTTON. DANIEL N. BAKER and JOSEPH PARISEAU, North Attleboro, Mass., assignors to W. G. Clark & Co., Inc., North Attleboro, Mass., a Corporation of Massachusetts. Filed July 2, 1923. Serial No. 648,966. 3 Claims. (Cl. 24—110.)

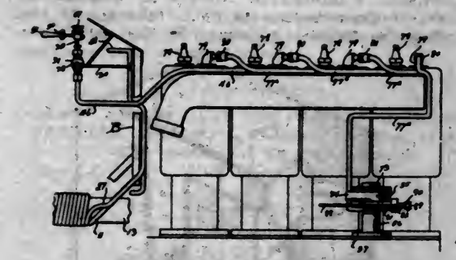
1. The separable button above described, comprising a lock member, made up of a plate; an upstanding standard carrying a box having a bolt opening in its cover; a socket member fitting the interior of the box; a pair

of spring-pressed locking jaws having extensions to fit movably within the sockets of the socket member; a wedge member actuated through the wall of the box, its



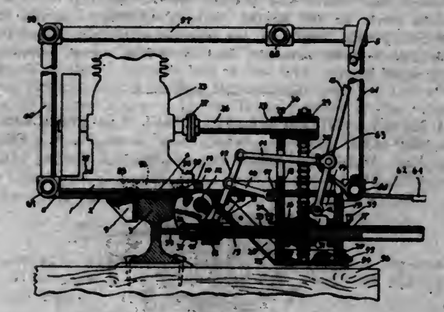
inner end adapted when pressed inward to spread the jaws; a cooperating bolt member made up of a plate and an upstanding standard having a wedging head.

1,484,808. CHARGE FORMING AND CONTROLLING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. GEORGE WILTON BARTLETT, Tacoma, Wash., assignor of one-half to Herman C. Cronkrite, Tacoma, Wash. Filed Jan. 15, 1921. Serial No. 437,515. 6 Claims. (Cl. 123—25.)



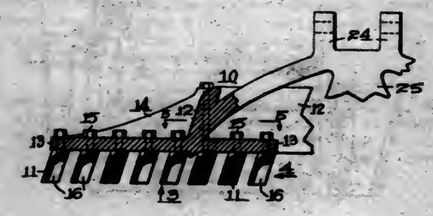
1. The combination with an internal combustion engine, of a mixing chamber connected to separate sources of water, air and fuel all under pressure, a distributer having means for intimately mixing the components of the charge and having pipes connected to the individual cylinders of the engine and discharging a charge successively into the several cylinders, the distributer being operatively connected to the mixing chamber.

1,484,809. DRILLING MACHINE. CHESLEY B. CARGILL, St. Paul, Minn. Filed July 7, 1921. Serial No. 482,931. 1 Claim. (Cl. 77—9.)



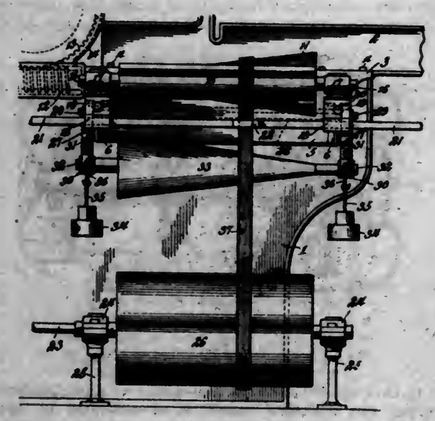
A track drill of the character described comprising a carriage arranged to normally rest upon a track rail, means for clamping said carriage against movement relative to said rail at will, a power driven drill mechanism having a drill spindle arranged for longitudinal movement to and away from said rail, a protecting guide sleeve for receiving said drill spindle when not extending toward said rail, an adjustable horizontal auxiliary support for said carriage arranged to rest upon the ties or ground adjacent to said rail, and rollers rotatably mounted on said carriage out of normal engagement with said rail and arranged to engage said rail when said carriage is tilted in the direction of the longitudinal axis of said rail.

1,484,810. STONE-SURFACING WHEEL. ELROY A. CHASE, Northfield, Vt. Filed Feb. 14, 1922. Serial No. 536,533. 5 Claims. (Cl. 51—209.)



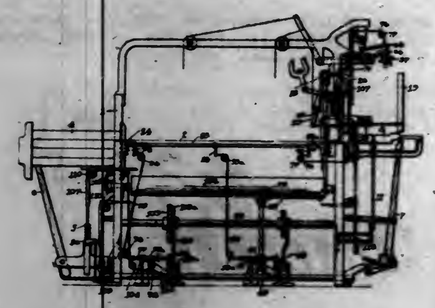
1. A stone surfacing wheel having, in combination, a frame comprising an upwardly extending flange, arms projecting radially from said flange, a driving attachment, arms connecting said attachment to said flange, and a plurality of grinding rings secured to the under side of said radial arms, each connecting arm being progressively and substantially thickened from its leading edge to the rear edge and having its lower face downwardly inclined rearwardly.

1,484,811. BELT TIGHTENER FOR VARIABLE-SPEED MECHANISM. JAMES OSCAR CORN, Columbia, S. C. Filed June 23, 1922. Serial No. 570,378. 4 Claims. (Cl. 64—5.)



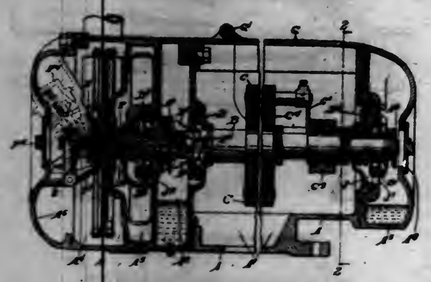
1. In variable speed mechanism, the combination with a pair of spaced horizontal pulleys having parallel axes on the same horizontal plane, one of said pulleys constituting an idler, the other pulley being cone-shaped and having connections for imparting motion, a drive pulley located below the pair of pulleys, a belt automatically shiftable longitudinally of the pulleys and passing beneath the drive pulley and upwardly on the outside of and over the said pair of pulleys, of a gravity-actuated, cone-shaped pulley, reversely arranged to the first-named conical pulley and located beneath the space between the pair of pulleys and engaging a downwardly extended loop portion of the belt to automatically take up slack in the belt.

1,484,812. WEFT-REPLENISHING LOOM. RANDOLPH CROMPTON and GEORGE CROMPTON, Jr., Worcester, Mass. Filed July 7, 1922. Serial No. 573,357. 16 Claims. (Cl. 139—232.)



1. In a loom, a lay provided with sets of shiftable shuttle boxes at opposite ends thereof, one set of boxes being movable on the lay in substantially the same direction that the lay moves, and automatic means to cause replenishment of filling in a shuttle in substantially a vertical plane in any one cell of the last named set of boxes.

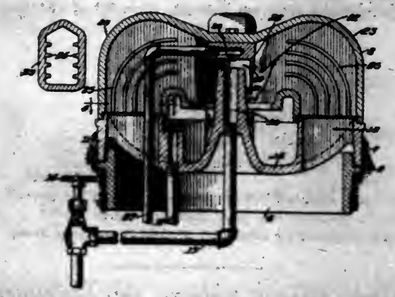
1,484,813. TURBOGENERATOR. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 9, 1920. Serial No. 402,252. 10 Claims. (Cl. 290—52.)



1. In a turbo generator assembly, a multichambered casing, the chambers thereof being separated by apertured walls, a shaft mounted in said casing and adapted to pass through the apertures of said walls, a plurality of rotating and non-rotating parts mounted on said shaft, the apertures of said walls being adapted by their size to permit the axial removal of said shaft and parts as a unit through the end of said casing.

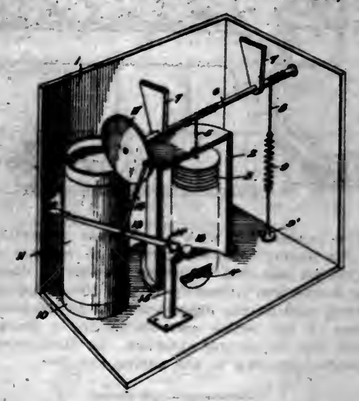
1,484,814. OIL AND GAS BURNER. LEE G. DANIELS, Rockford, Ill. Filed Jan. 17, 1922. Serial No. 529,824. 14 Claims. (Cl. 158—91.)

1. In a liquid fuel burner, the combination of a cone burner, a central fuel supply passage therein, whereby the fuel flows over the top and down over the periphery of the cone burner, a gas supply hood embracing the top of the cone burner and leaving a peripheral opening about the same, and a gas supply pipe entering said



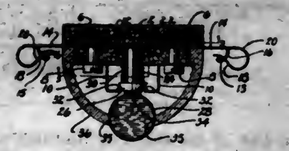
hood from one side thereof, whereby a gas flame will be delivered downwardly peripherally about the cone burner.

1,484,815. BAROGRAPH. GEORGE DE BOTHEZAT and IVAN I. EREMEEFF, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,198. 5 Claims. (Cl. 234—20.)



1. In a barograph, an air tight casing, a flexible bellows therein in constant open communication with the atmosphere, a rotatable shaft, a flexible connection between said shaft and flexible bellows serving to rotate said shaft as the flexible bellows contracts, means for rotating said shaft in the reverse direction when the flexible bellows expands, and recording means operable by said shaft.

1,484,816. THERMOSTATIC CIRCUIT-CONTROLLING DEVICE. JOHN H. DERBY, New York, N. Y. Filed Mar. 10, 1921. Serial No. 451,291. 1 Claim. (Cl. 200—142.)



A thermostatic electric circuit controlling device comprising a quartz cell substantially filled with carbon tetrachloride, electric circuit terminals, a circuit closing member spring-pressed toward circuit closing relation to said terminals, and a support for said cell arranged to cause said cell to maintain said circuit closing member out of circuit closing relation to said terminal.

1,484,817. ANCHORING DEVICE. AUGUST DINKLAGE, East Orange, N. J. Filed Aug. 16, 1922. Serial No. 582,276. 12 Claims. (Cl. 238—330.)

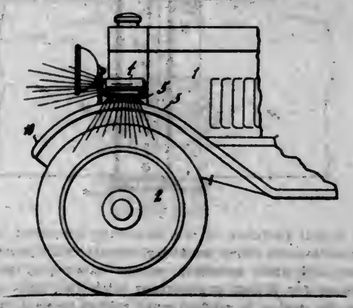


12. A creep check device comprising a movable flap, the swinging end of the flap having a recess shaped to conform to the rail base edge.

1,484,818. PROCESS OF MAKING SODIUM SULPHITES. VIGGO DREWSEN, Larchmont, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 12, 1921. Serial No. 507,367. 14 Claims. (Cl. 23—18.)

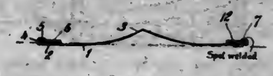
12. The process of making sodium bisulphite which comprises reacting on magnesium bisulphite with sodium chloride to form sodium bisulphite.

1,484,819. SAFETY LAMP FOR FENDERS OF MOTOR VEHICLES. WINFIELD L. DUBLIN, Tyler, Tex. Filed Oct. 17, 1922. Serial No. 595,093. 1 Claim. (Cl. 240—7.)



A motor vehicle lamp, including a relatively long cylindrical body, means connected to the bottom of the body and formed for connection to the front fender of an automobile to support the body in a substantially horizontal plane, a circular lens in the front end of the body, an elongated lens having substantially parallel top and bottom sides disposed in the lower portion of the outer side of the body and arranged at an incline so as to throw the light rays onto the outer side of the fender, and a lamp extending into the body from the inner side thereof and arranged at an incline and in a plane substantially parallel to the plane of the elongated lens.

1,484,820. ACOUSTIC DIAPHRAGM. HARRY L. DUNCAN, Mahwah, N. J. Filed Mar. 31, 1919. Serial No. 286,351. 10 Claims. (Cl. 181—32.)



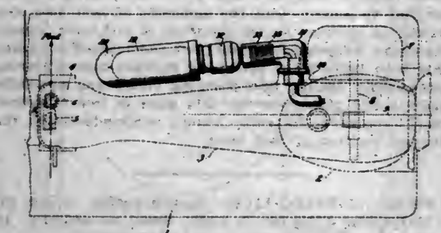
9. The acoustic diaphragm comprising outer portions which have been distorted from a substantially definite wavy form to impart radial tension to inner portions of the diaphragm.

1,484,821. DIAPHRAGM. HARRY L. DUNCAN, Mahwah, N. J. Filed Apr. 2, 1919. Serial No. 286,958. 6 Claims. (Cl. 181—32.)



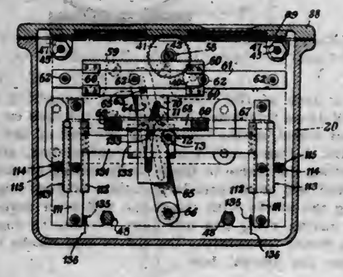
6. The acoustic diaphragm, the edge portions of said diaphragm being adapted to exert a radial tensioning action on the central portions and a transversely extending intermediate stiffening member formed in said diaphragm inside of and adjacent its edge portion.

1,484,822. LIGHTING DEVICE FOR SEWING MACHINES. BERNARD ELSHOFF, Elizabeth, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,026. 7 Claims. (Cl. 240—2.)



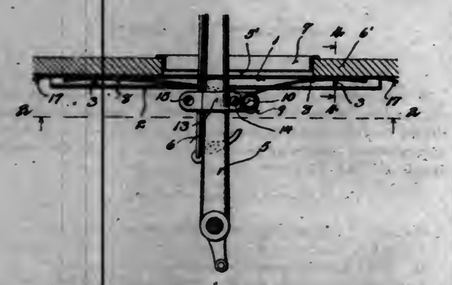
1. A lighting device comprising a support adapted for attachment to the gooseneck of a sewing machine, a spring connected to said support, a lamp-socket and bulb connected to said spring and disposed horizontally, and a fulcrum support for said lamp-socket adjacent said spring.

1,484,823. CALCULATING INSTRUMENT. HANNIBAL C. FORD, Jamaica, N. Y. Filed Feb. 24, 1921. Serial No. 447,452. 22 Claims. (Cl. 235—61.5.)



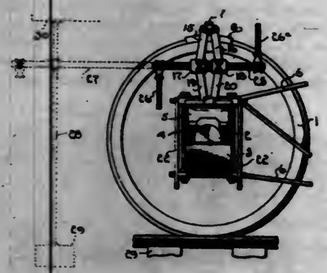
3. In a calculating instrument, the combination of a cam member having the general curvature of a curve of a chart plotted with respect to mutually perpendicular coordinate axes, a slidable member, a connection between the cam member and the slidable member, a guide for the slidable member, means for displacing the cam member in accordance with one coordinate of a point on the chart, means for moving the guide to displace the slidabe member in accordance with another cordinate of a point on the chart to shift the cam member accordingy, and means for indicating the resultant displacement of the cam member.

1,484,824. SLOT GUARD FOR AUTOMOBILE LEVERS. CHARLES H. GAULKE, Milwaukee, Wis. Filed Dec. 23, 1922. Serial No. 608,779. 3 Claims. (Cl. 74—81.)



1. A slot guard adapted for attachment to an automobile lever beneath the floor, said guard comprising a plate adapted to contact with the underside of said floor and having an aperture for the reception of said lever, clamping means independent of said plate and adapted to engage said lever beneath the plate, and resilient means bearing downwardly against said clamping means and upwardly against said plate, whereby said plate is free to adjust itself throughout its entire extent independently of the angular position of said lever.

1,484,825. LIFTING JACK. JOSEPH JOSEPH GLATT, St. Marys, Pa. Filed Dec. 9, 1922. Serial No. 605,919. 15 Claims. (Cl. 254—34.)

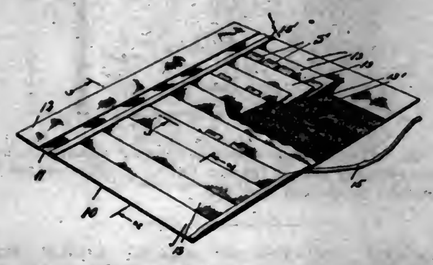


15. A jack of the class described comprising a lever adapted to be fulcrumed intermediate its ends on the rim of a car wheel, means connecting one end of the lever to the axle, a frame embracing the journal box, means for connecting the frame to the lever including blocks having right and left hand threads, and links of fixed length connecting the blocks with the frame and lever respectively, a rod having right and left hand threads to engage the blocks, means for rotating the rod in said blocks to thereby raise the journal box.

1,484,826. PROCESS OF PRODUCING POLYFATTY-ACID ESTERS. ERNST ZOLLINGER, Zurich, Switzerland, and ADOLF GRÜN, Aussig, Czechoslovakia. Filed Mar. 25, 1921. Serial No. 455,516. 7 Claims. (Cl. 87—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

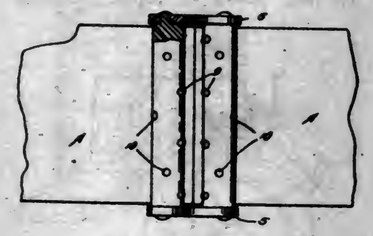
1. The process of producing esters of the so-called oxy-fatty acids, which consists in polymerizing oxy-fatty acids and then heating the polymerized acids with ricinoleic acid esters to a temperature over 200° C., but insufficient to decompose the bodies, thereby converting oxy-fatty acids into esters.

1,484,827. STOCK SHEET FOR POSTAGE STAMPS OR THE LIKE. ORAH HEEND, Brooklyn, N. Y., assignor to Elbe File & Binder Co. Inc., a Corporation of New York. Filed Dec. 10, 1921. Serial No. 521,480. 1 Claim. (Cl. 129—20.)



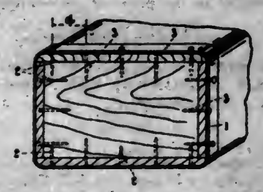
A stock sheet for postage stamps or the like having a plurality of pockets made of parallel strips overlapping one another and attached to said sheet so that the upper edge of the unattached portion of each strip does not extend beyond the upper edge of the attached portion of the underlying strip, for the purpose specified.

1,484,828. BELT FASTENER. DAVID HUGHES, Butte, Mont. Filed Sept. 1, 1923. Serial No. 660,498. 1 Claim. (Cl. 24—31.)



In a belt fastener of the character described, a pair of plate elements, roller members eccentrically journaled between said plate members, means carried by said roller members for biting engagement with the ends of a belt when the device is applied, said rollers being formed with sockets for the reception of a tool whereby the same may be rotated to a position for engaging said pins within the ends of said belt.

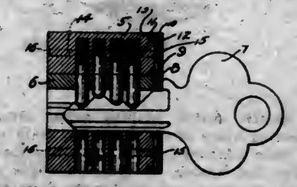
1,484,829. BOX OR CONTAINER FOR USE IN THE CONVEYANCE OR TRANSPORT OF GOODS OR MERCHANDISE. GUSTAV HUGUENIN, Cham, Switzerland, assignor to Nestle and Anglo-Swiss Condensed Milk Company, Cham, Switzerland, a Corporation of Switzerland. Filed Oct. 19, 1922. Serial No. 595,691. 5 Claims. (Cl. 217—69.)



1. In securing metal fittings, binding bands or strips to boxes or containers for the conveyance or transport of goods or merchandise, the herein described method which consists in welding together the said fittings and the heads

of their securing pins or nails which comprise thick and spreadable coniform heads and depending tapering shanks whereby an integral union is effected and a flat, smooth and uninterrupted surface presented with no projection of any kind.

1,484,830. DRILLPROOF CYLINDER LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 626,051. 5 Claims. (Cl. 70—47.)



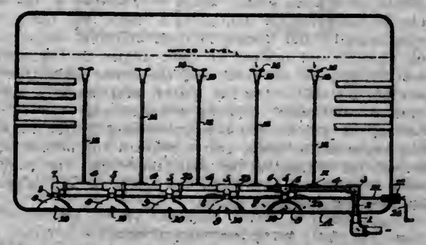
1. In a cylinder lock, a cylinder, a plug rotatable therein, a hardened steel face plate for said cylinder and plug and rotatably secured to said cylinder and rotatable with said plug, said plug and said face plate having registering key slots therein, and means to hold said face plate and plug against independent rotation relatively to each other to insure continuous registration of the key slots in said members.

1,484,831. DRILLPROOF CYLINDER LOCK. NORMAN B. HURD, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 626,052. 6 Claims. (Cl. 70—47.)



1. In a cylinder lock, a cylinder, a plug rotatably mounted therein, an armor face plate on the front of said cylinder, a ferrule fitting over said armor face plate and secured to said cylinder for securing said face plate to the cylinder but permitting relative rotation thereof on the cylinder, said face plate and said plug having registering key slots therein.

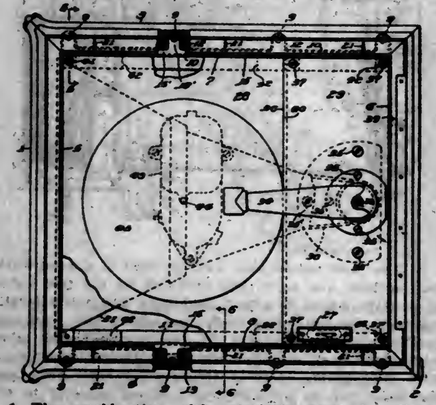
1,484,832. BOILER CLEANER. PERCIVAL H. KAUFFMAN, New Orleans, La. Filed Nov. 14, 1921. Serial No. 514,987. 5 Claims. (Cl. 122—381.)



1. In a boiler cleaning device, the combination of a series of inverted cup members adapted to rest on the bottom of the boiler, and having angular flanged openings near their edges, a blow-off pipe, connections between the blow-off pipe and the cup members, a valve associated with each cup member, an operating arm for each valve, and a rotatable rod lying adjacent said cup members and having cam projections to engage said operating arms and open said valves in sequence.

3. In a boiler cleaning device, the combination of a blow-off pipe, a vertical pipe communicating therewith, a skimmer cup carried by the upper end of said pipe, and a spiral member formed of flat material supported within said cup by wings resting upon the edge of the cup, and having a flat tail within said pipe, whereby the rotation of the spiral member keeps the pipe clear.

1,484,833. TALKING-MACHINE CABINET. EUGENE T. KIEFFER and WILLIAM B. STEVENSON, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Oct. 23, 1922. Serial No. 596,201. 17 Claims. (Cl. 45—52.)



1. The combination with relatively vertical walls of a talking machine cabinet, the inner faces of an opposite pair of the said walls being provided each with a relatively horizontal groove therein, of a pair of bars, substantially Z-shape in transverse cross-section, for each side wall, each bar having one of its flanges fitting into the groove in a wall, its web fitting against the inner face of said wall, and its other flange extending outwardly from said face of said wall, and a horn-board and a motor-board supported on said outwardly extending flanges.

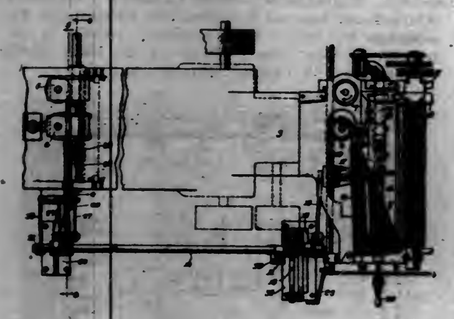
1,484,834. FENCEPOST. EDWARD LABENS, Humphrey, Nebr. Filed Mar. 13, 1923. Serial No. 624,720. 2 Claims. (Cl. 256—58.)



1. In a fence post of substantially T-shape in cross section, guide flanges formed upon the sides of the front face of the post, a strip freely slidable between said

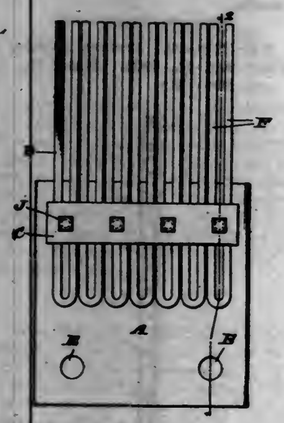
guide flanges and having its central portion bulged outwardly, said strip adapted to have secured thereto, the panels or wire strands, and means for limiting the downward sliding movement of said strip between the guide flanges.

1,484,835. ADJUSTMENT FOR WOODWORKING MACHINES. FRANKLIN L. LANE, Beloit, Wis., assignor to P. B. Yates Machine Company, Beloit, Wis., a Corporation of Wisconsin. Filed Sept. 18, 1920. Serial No. 411,252. 13 Claims. (Cl. 144—14.)



1. The combination with a cutter head of a wood working machine and a vertical feed roll of the feed table, of positive means to adjust said head and roll laterally together through equal distances across the work-supporting surface presented by the machine and table, whereby the roll may be moved into lateral engagement with successively entering boards of various sizes and the head will, as a consequence, be set properly to cut each board.

1,484,836. MEANS FOR REMOVING HAIR AND SCURF FROM HOG CARCASSES. ROBERT B. LEEPER, Denver, Colo., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed July 13, 1923. Serial No. 651,417. 1 Claim. (Cl. 17—18.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



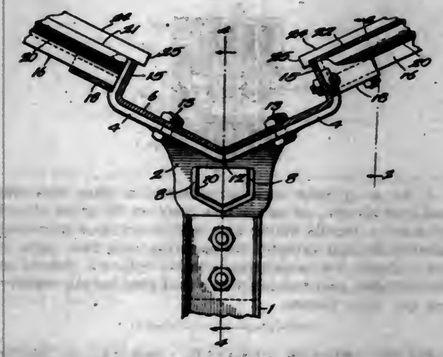
An attachment for a hog cleaning machine, comprising a section of rubber belting, sections of steel wire cables, a metal plate, bolts passing through said plate, between the sections of steel wire cables and the rubber belting for holding said cables in fixed position on said rubber belting, the ends of said cables extending beyond the outer end of said belting, and means for fastening said belting to the rotatable arms of the hog cleaning machine.

1,484,837. AUTOMOBILE SIGNAL CONTROL. JOSEPH LUSTIG, North Milwaukee, Wis. Filed June 3, 1922. Serial No. 565,525. 2 Claims. (Cl. 200—168.)



1. An electric switch adapted to be attached to a spoked steering wheel of an automobile, said switch comprising a plate adapted to span the space between adjacent spokes and having down-turned edges adapted to overhang such spokes, switch elements carried upon the upper side of said plate, a housing carried upon the under side of said plate, a pair of plungers projecting in opposite directions through said housing, a cam member positioned within said housing and adapted to be controlled by a key to force said plungers outwardly into engagement with the under side of said spokes, and yieldable means for urging said cam member into plunger projecting position.

1,484,838. GREENHOUSE GUTTER. PHILIP L. MCKEE, Chicago, Ill. Filed Sept. 12, 1921. Serial No. 500,256. 1 Claim. (Cl. 108—25.)

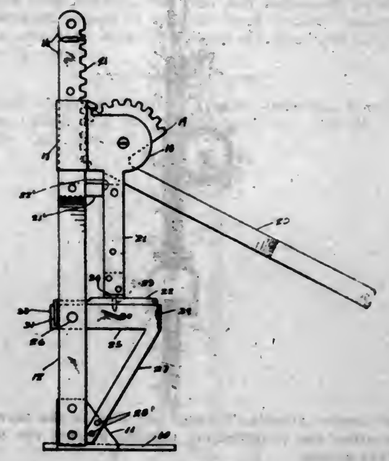


In a greenhouse the combination, with the sloping rafters, of a main gutter which is V-shaped at the bottom for collecting the drip along a single line, the gutter being metallic and having integral marginal flange sloping upward and inward at right angles to the rafters and forming an abutment for the lower ends thereof, brackets for supporting the gutter, said brackets having branches extending obliquely outward and upward for seating the gutter, and a supplemental gutter running lengthwise of the main gutter beneath the bottom apex thereof for collecting the drip therefrom, the bracket being transversely apertured for receiving and supporting said supplemental gutter.

1,484,839. DEVICE FOR CUTTING VEGETABLES. JAMES MACQUILLAN, Chicago, Ill. Filed June 20, 1923. Serial No. 646,591. 7 Claims. (Cl. 146—169.)

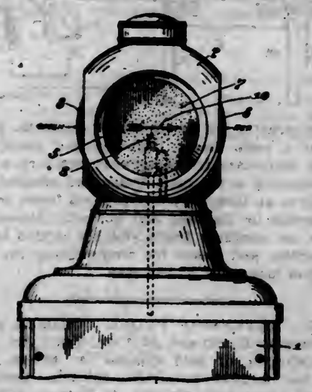
1. A slicing device including a support provided with a rack, a member mounted for movement along the rack,

a member having an operating handle and toothed portions for engagement with the rack carried by the member,



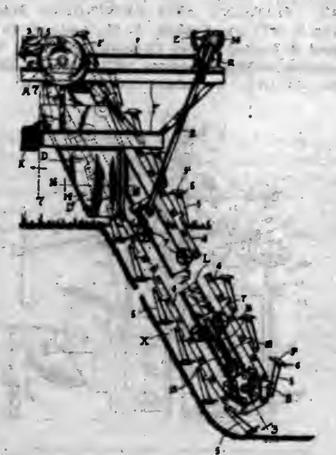
cutting means carried by the support, and a member carried by and movable with the first named member adapted to co-operate with said cutting means.

1,484,840. ONE-WAY-STREET TRAFFIC SIGNAL. ELOY H. MEDEN, Short Hills, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 568,977. 1 Claim. (Cl. 240—22.)



In a one-way street traffic signal, the combination of a hollow head portion having openings therethrough arranged in ninety degree relation with respect to each other, light transmitting means in and closing two of the said openings which are situated in opposed relation to each other, one of the said light transmitting means being of a color to arrest traffic moving toward the same and the other being of a color to permit the forward movement of traffic moving toward the same, sheets of light transmitting material situated in and closing the other two openings, said sheets having means thereon to indicate the direction in which vehicular traffic may move, the outer peripheral edges of said lenses and said sheets being situated inwardly of the walls of the said head, and lighting means within the said head, substantially as and for the purpose described.

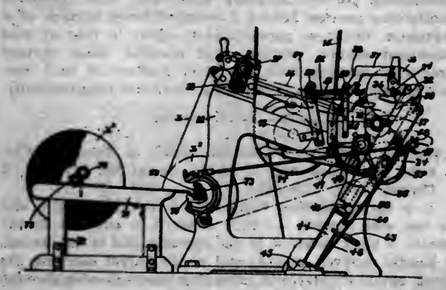
1,484,841. TRENCH EXCAVATOR. FRANK J. MONAHAN, Joliet, Ill., and WALTER FERRIS, Milwaukee, and WERNER LEHMAN, South Milwaukee, Wis., assignors to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 21, 1918. Serial No. 267,763. 16 Claims. (Cl. 37—86.)



2. In a digging mechanism, a polygonal tumbler and excavating chain thereover, the chain links being arranged to rest upon and fit corresponding tumbler faces, said tumbler faces being adjustable, and means for adjusting them to compensate for wear in the working parts.

8. In an excavating machine, a chain having projecting buckets, the elements of whose inner surfaces are circular arcs, upper and lower tumblers about which the chain travels, and a scraper associated with the upper one, the diameter of the upper tumbler being such that as each successive bucket passes around it, the curved inner surface of the bucket is coaxial with said upper tumbler, the diameter of the lower tumbler being such that as successive buckets pass around it, their curved surfaces are inwardly and rearwardly inclined from the circle described by their cutting edges.

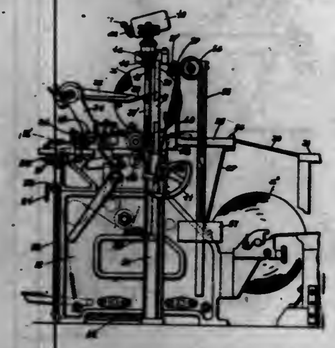
1,484,842. SLITTING AND REWINDING MACHINE. HAROLD E. NICHOLS, EDWARD J. O'CLAIR, and WINTHROP L. PERRY, Nashua, N. H., assignors to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed May 7, 1923. Serial No. 637,054. 18 Claims. (Cl. 242—65.)



7. In a machine of the character described, a carriage having bearings for a winding arbor, a pneumatic motor for elevating the carriage from a lower to a higher position, means for starting winding of sheet material on the

arbor while the carriage is in a lower position, an upper cradle comprising a pair of smooth parallel bars provided with means for relatively adjusting them, and a track for directing a completed set of coils from the carriage to the cradle.

1,484,843. SLITTING AND REWINDING MACHINE. EDWARD J. O'CLAIR, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed May 7, 1923. Serial No. 637,041. 6 Claims. (Cl. 242—66.)



4. In a slitting and re-winding machine having a vertically movable frame provided with a pressure roll to bear on the coils, rack bars connected with the frame, a rack at one side of the frame, a cylinder having a piston from which the last mentioned rack extends, connections for supplying the cylinder with compressed air, and a shaft having pinions meshing with said rack bars and with the rack which extends from the cylinder.

1,484,844. METAL BICYCLE-WHEEL RIM. WILLIAM B. OLLE, Racine, Wis. Filed July 2, 1923. Serial No. 649,102. 1 Claim. (Cl. 301—97.)



A cast metal bicycle wheel rim comprising a body portion having a uniform peripheral channel upon its outer side for the reception of a tire and having a substantially triangular cross section the base of which is concave and with its apex directed inwardly of the rim and with a thickened central portion, said body portion having a hole for the reception of the tire nipple and having a thickened reinforcing portion adjacent said hole, said thickened reinforcing portion having a rounded inner surface of a maximum thickness approximately equal to that of said thickened central portion, said rounded inner surface gradually merging into the inner surface of said rim, and having a gradually changing curvature longitudinally.

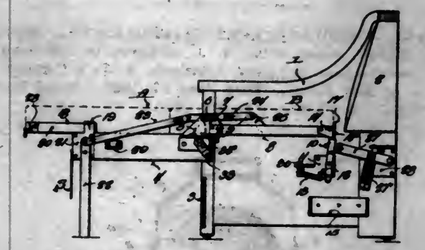
1,484,845. SPRING HAMMER. JOHN H. PHILLIPS, Chicago, Ill. Filed Aug. 1, 1918. Serial No. 247,855. 2 Claims. (Cl. 125—33.)

1. A spring hammer comprising a barrel having a slot in one side thereof, a chuck received in one end of the barrel, a block received in the opposite end of the barrel, a handle received on that end of the barrel carrying the block, single transversely extending means passing through the handle, barrel and block for securing the handle and block to the barrel, a reciprocating member mounted in the barrel between the chuck and block, a coiled spring received in the barrel for normally holding the reciprocating member in engagement with the chuck, one end of the spring engaging the end of the reciprocating member and the opposite end engaging the block,



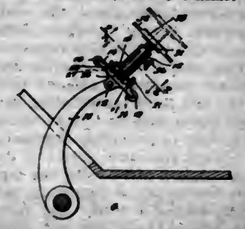
and means extending through the slot in the barrel for operating the reciprocating member against the tension of the spring.

1,484,846. DAVENPORT. JOHN M. RICHARDSON, Milwaukee, Wis. Filed Feb. 27, 1923. Serial No. 621,562. 8 Claims. (Cl. 5—31.)



1. In a structure of the character set forth, the combination of a main frame including end standards connected by stationary front and rear members, a seat pivotally connected to the main frame and adapted to swing outwardly to an inverted position, a bed frame section pivotally carried by the seat and normally housed beneath the same, an auxiliary frame slidably carried by the bed frame section, and means for reciprocating the auxiliary frame upon movement of the seat.

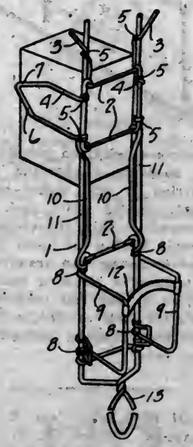
1,484,847. EXTENSION PEDAL. CHARLES A. RIVERS and FRANCIS B. STUART, El Paso, Tex.; Ara M. Rivers administratrix of said Charles A. Rivers, deceased. Filed Jan. 3, 1919, Serial No. 269,488. Renewed Jan. 30, 1922. Serial No. 532,900. 6 Claims. (Cl. 74—81.)



4. In combination with an automobile pedal having an oscillating movement about a transverse shaft, a plate lying flat against the upper face of the pedal and having

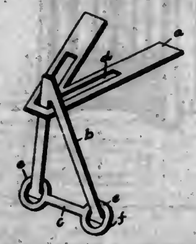
means to removably secure the same in place thereon, a tubular post interiorly threaded and reinforced at its base rising from the plate at a central portion of the pedal, a threaded stem entering the post and adjustable axially therethrough, means to lock the stem against rotation, and an extension pedal carried by the stem but non-rotatable therewith.

1,484,848. SHELF TOOL. SAMUEL SHIELDS, Denoya, Okla. Filed Dec. 26, 1922. Serial No. 609,001. 1 Claim. (Cl. 294—23.)



A shelf tool comprising an elongated rectangular frame having a handle at one end and hooks at the other end; loop-like jaws pivoted below the hooks; operating loops pivoted above the handle; and connecting rods rigidly joining the pivotal points of the jaws and operating loops.

1,484,849. PUZZLE. ERNEST A. STOPPEL, Brooklyn, N. Y., assignor to Valentine & Company, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1922. Serial No. 544,715. 2 Claims. (Cl. 46—41.)



1. A puzzle consisting of a V-shaped member with an interior V-shaped slot and another V-shaped member having horizontal projections or crossbars in the extremities of its legs and a crossbar having looped or ringed ends through which the legs of the said second mentioned member extend, which said crossbar links said V-shaped members.

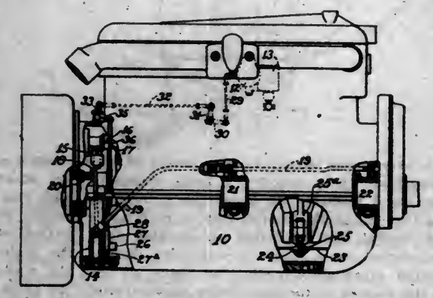
1,484,850. SHOT-HOLE-CLEARING TOOL. IVAN SVETKOFF, Clinton, Ind. Filed Aug. 11, 1923. Serial No. 656,772. 1 Claim. (Cl. 86—21.)

A shot hole clearing tool comprising rod sections which are semi-circular in transverse section and having flat diametrical surfaces, the sections overlapping each other with the flat diametrical surfaces in intermittent contact with each other, the band mounted upon one of the rod sections and completely circumscribing both of these sections at their overlapping portions, a band applied to the other rod section and extending around the exterior thereof and partially disposed over the exterior of the other section and having spaced extremities, a cam lever pivoted between the said spaced extremities and



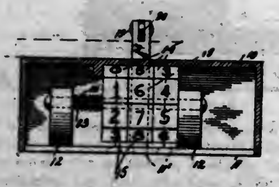
engageable with the last mentioned rod section to hold the sections in fixed relation and adjusted position with respect to each other, one of the rod sections being provided at its ends with an angularly disposed extremity and the other rod section being provided at its end with a transversely curved blade portion which may serve as a handle for the tool.

1,484,851. OILING SYSTEM. JOSEPH A. TARKINGTON and HERMAN D. PALMER, Hartford, Wis., assignors to Kissel Motor Car Company, Hartford, Wis., a Corporation of Wisconsin. Filed May 14, 1919. Serial No. 297,079. 3 Claims. (Cl. 184—6.)



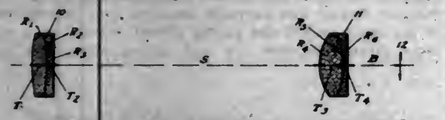
1. A power plant having, in combination, a reservoir of lubricant, a pump supplying lubricant from said reservoir, a conduit carrying oil from said pump to the parts to be lubricated, a tube separate from said conduit and mounted on and connected to said pump and having an open end and a plurality of lateral apertures, and a rod entering the open end of said tube and adapted to slide therein.

1,484,852. REGISTER FOR COAL CARS OR THE LIKE. PAUL TRIEBEL, Jersey City, N. J. Filed Oct. 3, 1922. Serial No. 592,002. 4 Claims. (Cl. 40—68.)



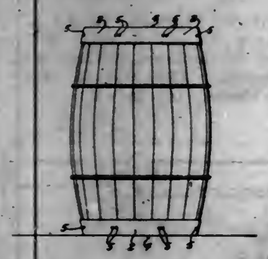
1. The combination with a receptacle, of a marking or numbering device, comprising a casing adapted to be fixed to said receptacle and having a removable wall, adjustable dial members supported in said casing and means pivoted to said wall and adapted to be acted upon by the contents of the receptacle to prevent access to said dial members.

1,484,853. PROJECTION LENS. ARTHUR WARMISHAM, Leicester, England. Filed Aug. 30, 1922. Serial No. 585,160. 5 Claims. (Cl. 88—57.)



1. A projection lens of the Petzval type, comprising two convergent components so formed and positioned that the ratio of the back focal length of the lens to the equivalent focal length thereof is less than 35%.

1,484,854. COMBINED BARREL END AND HOOP. JOHN O. WILLSON, St. Joe, Ark., assignor to Helena Unit Hoop-Head Co., Helena, Ark., a Corporation of Arkansas. Filed Nov. 25, 1921. Serial No. 517,526. 1 Claim. (Cl. 217—76.)



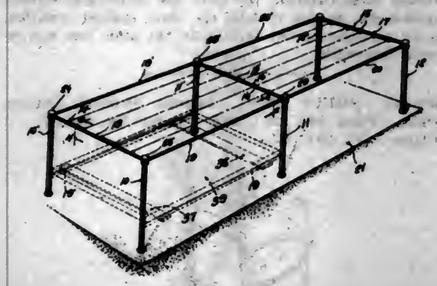
A barrel, comprising wooden staves of equal thickness throughout their length; a head stamped from sheet metal and formed with a central circular flat wall closing the end of the barrel body, a marginal extension of the central wall including an annular arch portion of the curved type, said arch portion having the walls thereof tapering inwardly, the space between the walls at the bottom of the arch being approximately the thickness of the barrel staves and the outer wall of the arch being extended to form a hoop; said arch and hoop being arranged to fit over the untapered ends of the staves and to be pressed thereon, thereby compressing the ends of the staves to form a seal between the staves and the arch portion of said extension; and retaining means formed in connection with the hoop for securing the head in position after it has been pressed to its seat on the ends of the barrel staves.

1,484,855. MOLD. BYRON A. WINN, Barber, Idaho. Filed Mar. 2, 1922. Serial No. 540,445. 7 Claims. (Cl. 25—41.)



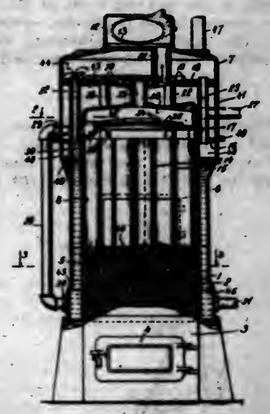
4. A block mold comprising a face plate, a frame conforming substantially to the shape of the face plate, side and end members carried by the frame to mold the edges of a block, said side and end members being retractably mounted on the frame to be withdrawn from the edges of a block when molded, means to clamp a pallet on the top of a block mounted on the face plate, bearings by which the structure is mounted to be turned completely over when a block has been molded, and bearings by which the face plate is mounted to be removed to permit access to retract the side and end mold members.

1,484,856. CLOTHESLINE SUPPORT. BERNHARD F. ZILISCH, Watertown, Wis. Filed Feb. 9, 1923. Serial No. 617,907. 1 Claim. (Cl. 68—3.)



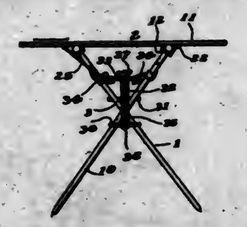
A device of the class described comprising a plurality of spaced socket members, a plurality of vertical supports slidably carried by said socket members and arranged in laterally spaced pairs and comprising end pairs and an intermediate pair, transverse and longitudinal braces detachably joining the upper portions of adjacent supports and including end transverse braces and an intermediate transverse brace, a plurality of attaching members carried by the end transverse braces and adapted to receive the ends of clothes lines, and a plurality of line guiding members carried by said intermediate transverse brace.

1,484,857. STEAM BOILER. CARL Z. ALEXANDER and EARL S. ALEXANDER, Newark, N. J. Filed Aug. 11, 1921. Serial No. 491,645. 14 Claims. (Cl. 122—40.)



1. A boiler comprising a substantially vertical corrugated cast metal fire pot water jacket having adjacent its inner surface a series of integral substantially vertical geyser tubes of restricted area extending to the outer wall of said water jacket, an enlarged geyser chamber communicating with the lower end of each of said geyser tubes and opening into said water jacket, a series of substantially horizontal steam chambers arranged above said fire pot water jacket, and having heating surfaces communicating with each other and with said water jacket, geyser tube connections connecting the upper ends of said geyser tubes with the upper steam chamber adjacent its periphery, a steam connection extending around said water jacket adjacent its upper end, connections between said steam connection and an upper steam chamber, and flue passages adjacent said steam chambers for the passage of gases from said fire pot.

1,484,858. PORTABLE TABLE. EDWARD ALEXANDER, Seattle, Wash. Filed Jan. 6, 1923. Serial No. 611,005. 5 Claims. (Cl. 45—116.)



1. A collapsible table comprising a top and a support therefor, said top including a plurality of sections relatively foldable one upon another, a flexible member connecting said sections and permitting limited separation thereof, and means for taking up the slack in said flexible member to bring the top sections together and to clamp them upon the support.

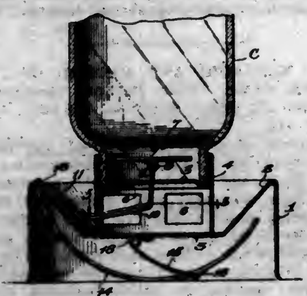
1,484,859. SHOCK ABSORBER. EVENDER S. AKER, Goshen, N. Y. Filed Nov. 17, 1922. Serial No. 601,450. 4 Claims. (Cl. 267—64.)



1. A shock-absorber comprising a fixed cylinder adapted to contain a fluid, a movable piston therein, a piston stem projecting exteriorly from the upper end of said cylinder, said piston having a valve port, a movable valve-disc having a port normally alined with said piston valve-port, means cooperating with said valve-disc for moving the same to close said piston valve-port as the piston makes its operative descent in said cylinder, a movable air cylinder fixed to the exterior end of said piston stem, the lower open end of which is arranged telescopically over the upper end of said fixed cylinder, and a fixed piston member connected with the upper end of said fixed cylinder to fit and cooperate with said movable cylinder.

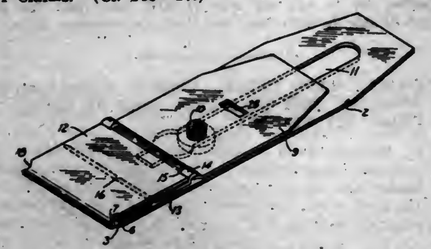
1,484,860. CHICKEN WATERER AND FEEDER. TOLLEF O. BAKKEN, Bode, Iowa. Filed June 29, 1923. Serial No. 648,512. 8 Claims. (Cl. 119—77.)

7. In a poultry feeder, a trough formed to seat on a supporting surface in a normally vertical position thereon, means to supply material to the trough fixedly connected to the latter, and means to control the supply engageable wih the supporting surface to maintain the supply open throughout the time the trough remains in its said normal vertical position, and being automatically



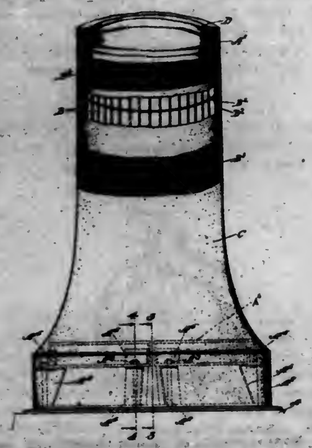
movable to close the supply upon the trough being moved out of its said normal vertical position.

1,484,861. PLANE BIT. PIERRE BASMAISON, San Francisco, Calif. Filed Aug. 15, 1922. Serial No. 581,984. 4 Claims. (Cl. 145—17.)



1. A plane bit comprising a cutter blade formed with a socket adjacent the lower edge thereof, a cutter having a portion complementary to said socket, a clamp plate overlying the blade and cutter, a second clamp plate overlying the blade and cutter, and means for drawing both clamp plates and the cutter blade together, said clamp plates bearing on said cutter on each side of the end of the said cutter blade.

1,484,862. CHIMNEY. FRANK F. BEEBY, Chicago, Ill., assignor to Cement Gun Construction Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1921. Serial No. 491,907. 2 Claims. (Cl. 72—93.)



1. A chimney consisting of an inner chimney tube, a compressible coating thereabout and an outer reinforced

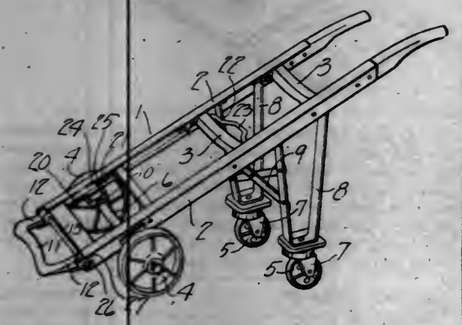
concrete chimney shell surrounding the inner tube and in contact with the compressible coating throughout substantially the entire area of said coating.

1,484,863. MACARONI AND METHOD OF PREPARING THE SAME. FRED BECKER, Cleveland, Ohio. Filed Apr. 21, 1920. Serial No. 375,620. 5 Claims. (Cl. 99—11.)

2. A method of preparing macaroni and like paste products, consisting in mixing a preponderating amount of wheat flour and a relatively small percentage of powdered eggs, powdered milk, cheese and spices together; adding water and working the mixture into a batch of separated pieces of moist dough; subjecting said pieces of dough to heat until dried and in a fluffy condition; grinding the fluffy material and adding water until pliable; passing the pliable material through a macaroni press, cutting the pressed material into given lengths; and drying the cut material until hard and brittle.

5. The product of the method herein described, comprising a hard and brittle macaroni containing approximately four per cent of eggs, one to two per cent of cheese, one to two per cent of milk, less than one per cent of spicing materials, and the balance wheat flour.

1,484,864. HAND TRUCK. CHARLES F. BOMPART, St. Louis, Mo. Filed Oct. 5, 1922. Serial No. 592,531. 1 Claim. (Cl. 280—57.)



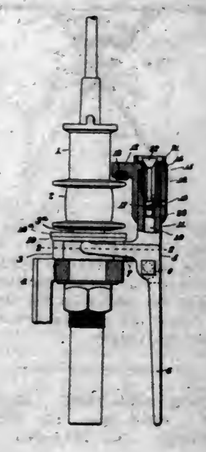
A hand truck comprising a frame, a front axle mounted on the frame and provided with wheels, rear standards secured to the frame at the rear portion thereof, pivoted caster wheels carried by the said standards and an apron having arms pivoted to the frame.

1,484,865. FORM FOR CONCRETE CONSTRUCTION. GEORGE A. BONELLI, Kingman, Ariz. Filed Apr. 20, 1923. Serial No. 633,425. 4 Claims. (Cl. 25—127.)



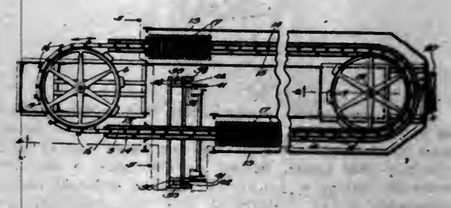
1. The improvement in molds comprising inner and outer forms and a combined spacing and reinforcing member arranged spirally between said inner and outer forms.

1,484,866. KNEE BRAKE. SAMUEL BOROVOY, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1921. Serial No. 511,066. 3 Claims. (Cl. 118—8.)



1. In a device of the character described, a spindle having a whirl, a friction disk beneath said whirl, a metallic disk beneath said friction disk, a knee brake lever having a pair of arms adapted to engage said metallic disk at points substantially opposite diametrically with relation to the spindle axis, and a friction element located above said whirl in position to engage the upper surface of said whirl when the knee brake lever is operated.

1,484,867. APPARATUS FOR COATING OBJECTS. FRANKLIN F. BRADLEY, Chicago, Ill., assignor to Bradley & Vrooman Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1921. Serial No. 504,906. 15 Claims. (Cl. 91—45.)

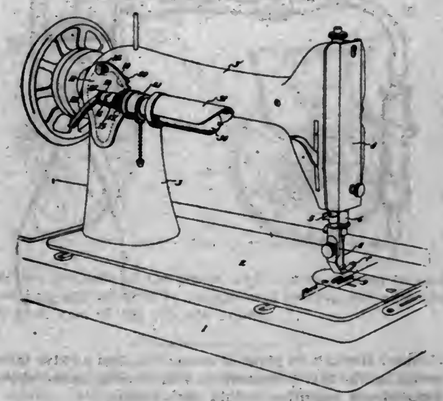


2. The combination with an object carrier; of a discharge nozzle; a carrier for the discharge nozzle that positions such nozzle to discharge upon an object borne by the carrier; and mechanism for causing said carriers to travel in angular directions and for maintaining the nozzle in position to discharge upon an object, upon the object carrier, while the two carriers are in travel.

5. The combination with an object carrier; of a discharge nozzle; mechanism for causing the travel of the object carrier; and mechanism for causing the travel of the nozzle in a direction inclined toward the direction of travel of the object carrier.

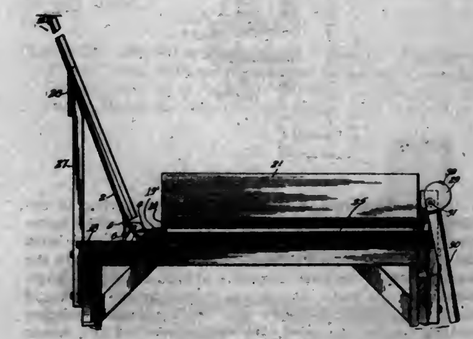
13. Apparatus of the class described including a conduit of U-form opening at its ends; conveying mechanism passing through said conduit; and means for heating the air that is within the conduit.

1,484,868. LIGHTING DEVICE FOR SEWING MACHINES. WILLIAM H. BRADY, Roselle, N. J., assignor to Diehl Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 23, 1922. Serial No. 531,027. 8 Claims. (Cl. 240—2.)



1. A lighting device comprising a support adapted for attachment to a sewing machine gooseneck adjacent the bend of the latter and having an apertured portion, a sleeve entering the aperture in said portion, a lamp-socket and bulb sustained horizontally by said sleeve, and a cushioning bushing between said sleeve and said aperture portion.

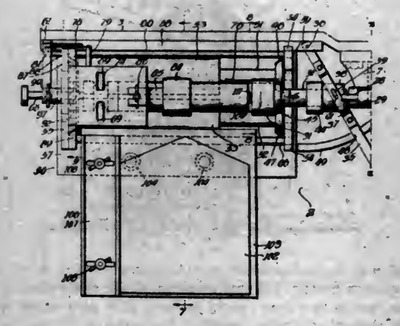
1,484,869. APPARATUS FOR FILLING MATTRESSES. HENRY G. BRANDWEIN, Chicago, Ill. Filed June 29, 1922. Serial No. 571,657. 24 Claims. (Cl. 226—44.)



1. A mold for mattress filling, comprising a plurality of sections permanently interconnected and forming a container, means for locking said sections together as desired, and means for moving said sections longitudinally relatively of one another to unlock said mold.

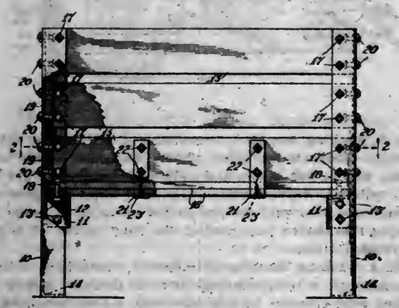
19. In combination, a mold for filling mattresses, and a stiffener stick therefor, comprising a bar to be inserted within said mold and having means to engage the filling material therein when moved in one direction and collapsible when retracted from said mold.

1,484,870. COIN COUNTING AND PACKETING MACHINE. CHARLES LAURENCE BURDICK, London, England. Filed June 21, 1920. Serial No. 390,597. 26 Claims. (Cl. 93—2.)



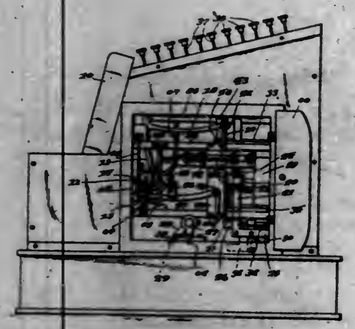
1. In a machine of the class described, the combination of carton forming and sealing mechanism, coin counting mechanism, power means for driving both of said mechanisms, said mechanisms being adapted to function under manual control in predetermined sequence for forming, filling and sealing the cartons, and means for automatically transferring the power drive from one of said mechanisms to the other at one point in the cycle of operation of said machine.

1,484,871. TOTE BOX. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Tructractor Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 8, 1923. Serial No. 611,452. 8 Claims. (Cl. 217—5.)



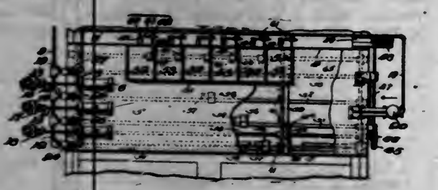
1. A device adapted to be lifted bodily from a floor by a lift-truck for transporting it and articles carried thereon, comprising in combination a member for receiving and supporting such articles, legs at the corners of such member for maintaining it at a distance above the floor that such legs rest upon, and means below said member and adjacent to two opposite margins thereof for providing for operative engagement of a lift-truck with said device in a lower plane than at the other margins of said member.

1,484,872. COIN-DELIVERY MACHINE. ROBERT CAIRNS and JOSEPH W. CAIRNS, Watertown, Wis. Filed Apr. 22, 1922. Serial No. 556,028. 17 Claims. (Cl. 133—4.)



1. In a coin-delivery machine, coin-ejectors, means for operating the ejectors, a power-driven shaft, slidable means for selectively establishing an actuating connection between the shaft and the ejector-operating means, keys controlling said selective connecting means, and means actuated by the keys for controlling the shaft.

1,484,873. WASHING MACHINE. WILLIAM G. CARSON, Baltimore, Md., assignor, by direct and mesne assignments, to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 16, 1916, Serial No. 115,312. Renewed June 1, 1921. Serial No. 474,296. 21 Claims. (Cl. 137—7.)

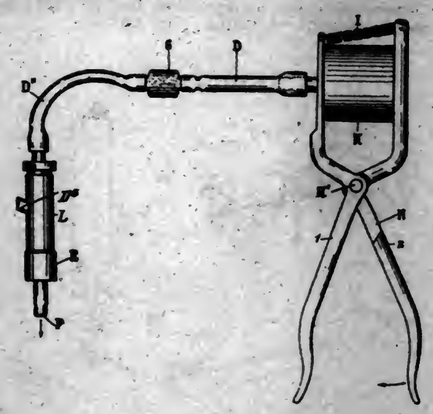


1. A washing machine comprising a cylinder, a frame mounted upon the cylinder, shafts mounted in the said frame, steam, hot water and cold water supply pipes for said cylinder, valves controlling said supply pipes and connected to the said shafts, and a movable carriage for rocking the shafts for opening the said valves at a predetermined time.

20. A washing machine attachment, comprising a suitable support, a reciprocating traveler thereon, means for moving said traveler in one direction, means arranged as said traveler approaches the end of said movement to indicate the conclusion of the washing operation, and means for releasing said traveler from its operating means whereby it may be freely moved manually in the opposite direction.

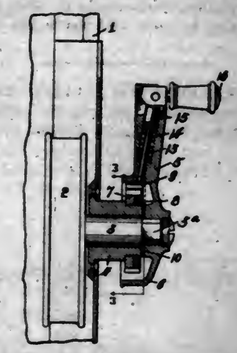
1,484,874. PNEUMATIC MILK EXTRACTOR. MIGUEL R. DEL CASTILLO, San Sebastian, Spain. Filed Sept. 23, 1921. Serial No. 502,654. 1 Claim. (Cl. 128—281.)

In a milk extractor, a milk-receiving chamber having a pump connection, a nipple-receiver connection and an outlet or drain opening, a valve for the drain opening closing on sub-atmospheric condition within the chamber, a pump connecting with the respective connection of the chamber, a nipple-receiver having connection with the



chamber through its point of connection, and a valve interposed in the latter connection and closing under above-atmospheric condition within the chamber.

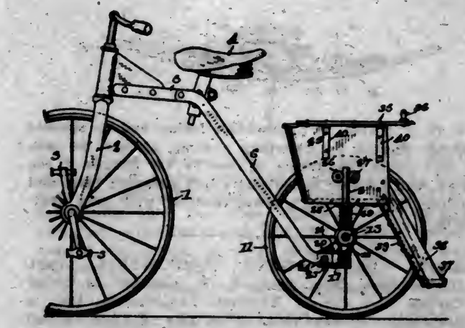
1,484,875. CRANK-ARM LOCK. ANGELO ROBERT CLAS, Toledo, Ohio. Filed Nov. 13, 1922. Serial No. 600,784. 4 Claims. (Cl. 74—33.)



1. In combination, a stationary member having an annular toothed portion, a crank mounted for turning movements relative to the member, a spring pawl movable with the crank and adapted to be placed in engagement with the member teeth, the pawl normally standing out of engagement with the teeth, and means carried by the crank and operable to move the pawl into tooth engaging position and to release the pawl, the engagement of the means with the pawl being in rearwardly spaced relation to the tooth engaging portion of the pawl to permit the pawl to spring out of engagement with the teeth when held in tooth engaging position by the means.

1,484,876. COMBINATION TRICYCLE AND GOCART. ALFONS DOMOWOLSKI, Racine, Wis. Filed July 26, 1920. Serial No. 398,949. 8 Claims. (Cl. 208—113.)

1. The combination in a tricycle having a frame provided with divergent supporting arms spaced apart at their outer ends by a bracing rod, of a pair of rear wheels, an axle therefor, a seat resiliently supported from said axle, and means for detachably securing to said axle the rear portion of a tricycle frame, said means comprising two brackets carried by the axle, recesses therein adapted to



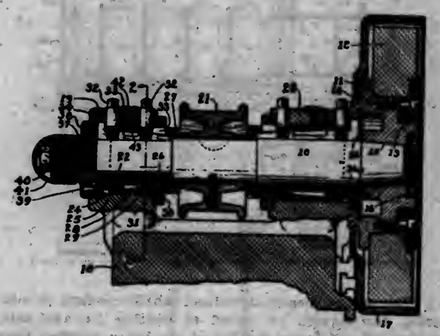
receive the ends of the frame, and a latch pivoted to said brackets and adapted to engage said bracing rod adjacent to each arm of the tricycle frame.

1,484,877. STEP PLATE. CHARLES F. ECKLER, Indianapolis, Ind. Filed July 1, 1922. Serial No. 572,243. 1 Claim. (Cl. 280—164.)



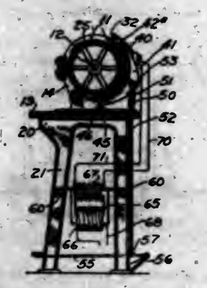
In a step plate, a frame, a scraper plate at one edge of said frame and spaced therefrom to provide an opening, said scraper plate having notches in the upper edge thereof forming vertical shoulders for engagement with the edges of the soles of shoes when moved over the scraper plate, the top edge of said plate and the top end of said shoulders terminating flush with the top face of said frame.

1,484,878. GRINDING MACHINE. JOHN F. FLAHERTY, Toledo, Ohio, assignor to The Bock Bearing Company, Toledo, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,540. 8 Claims. (Cl. 64—55.)



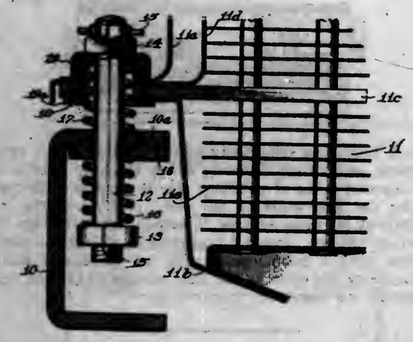
1. In apparatus of the class described, the combination of a shaft, a split bearing therefor, and means for adjusting said bearing comprising an axially adjustable conical sleeve on the exterior of the bearing to contract the latter, and an adjustable wedge member in the split of the bearing to variably limit the contraction of the split.

1,484,879. IRONING MACHINE. HARRISON H. FOGWELL and CHARLES J. HEISER, Los Angeles, Calif., assignors of two-thirds to John N. Van Patten, Los Angeles, Calif., and one-third to said Heiser. Filed Mar. 5, 1921. Serial No. 449,668. 4 Claims. (Cl. 68—9.)



2. In an ironing machine, the combination of: a roller; an ironing plate cooperating with said roller; a backing plate supporting said ironing plate; and means for passing an electric current, of sufficient strength to heat said plate, through said ironing plate.

1,484,880. MOTOR VEHICLE. JOSEPH GALAMB, Detroit, Mich., assignor to Ford Motor Company, Highland Park, Mich., a Corporation of Michigan. Filed Oct. 13, 1919. Serial No. 330,324. 5 Claims. (Cl. 180—68.)

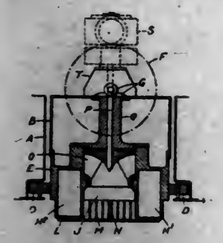


1. The combination with chassis frame members having laterally-extending flanges, of means for supporting a radiator thereon, said means including a rod-like element extending vertically through a member flange and headed at its opposite ends, a yieldable element between the lower head and the flange, individual members mounted on the rod-like element below the upper head and adapted to engage opposite sides of a projecting assembly of the radiator, and a yieldable element between said members and the flange and forming a supporting element for the assembly adapted to space it from the flange, one of said engaging members being cup-shaped and having its cup of a depth sufficient to extend beyond the opposite planes of the assembly projection.

1,484,881. PROPULSION AND MANEUVERING OF VESSELS. JAMES HERBERT WAINWAIGHT GILL, Heacham, England, assignor to Gill Propeller Company Limited, King's Lynn, Norfolk, England, a Company of Great Britain. Filed Oct. 25, 1920. Serial No. 419,260. 13 Claims. (Cl. 115—12.)

1. In apparatus for the propulsion, steering or maneuvering of vessels by the reaction effect of water jets, the combination with the hull of a vessel having a well

therein opening to the exterior of the vessel through a port in its wall, of a water pump positioned entirely within said well, conduits for leading water to and from said pump through said port, the discharge conduit being



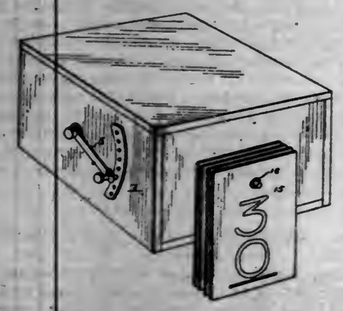
so formed as to direct the stream of issuing water at all times in a direction substantially parallel to the ship's wall, and means for rotating the discharge conduit about an axis substantially normal to the ship's wall for the purpose set forth.

1,484,882. LUNCH BOX. EDWARD E. GRAY, Plano, Ill., assignor to Linsley S. Gray and Edward E. Gray, Jr., both of Plano, Ill., Copartners doing business as Gray Brothers. Filed Mar. 19, 1923. Serial No. 625,982. 11 Claims. (Cl. 206—4.)



1. A lunch box comprising a body portion and a cover therefor, said cover extending above the body portion of the box and being of sufficient size to contain a thermos bottle, the end walls of the body portion of the box comprising portions adapted to extend upwardly into the cover of the box, means for supporting a thermos bottle on the upward extensions of said end walls, and means for securing the cover to the body portion of the box, substantially as described.

1,484,883. EDUCATIONAL DEVICE. MICHAEL M. GUHIN, Pierre, S. Dak. Filed May 26, 1922. Serial No. 563,783. 10 Claims. (Cl. 35—2.)



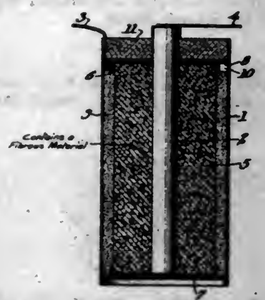
1. An educational appliance having a card-rod to loosely receive a series of cards, and means to force said cards successively and at regular time intervals from said rod.

1,484,884. BELT BUCKLE. WILLIAM T. HAHN, Minneapolis, Minn. Filed Sept. 24, 1923. Serial No. 664,566. 5 Claims. (Cl. 24—194.)



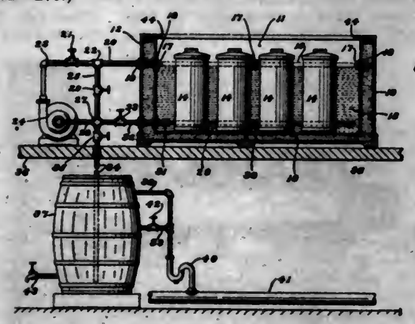
4. In a buckle, a channel-like frame and a member slidable therein for clamping a strap against the web of said frame, abutments carried by the flanges of the frame, said member comprising a belt engaging plate and yielding cam portions thereon coacting with said abutments.

1,484,885. DEPOLARIZING COMPOSITION. CARL HAMBUECHEN, New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a Corporation of New York. Filed July 28, 1921. Serial No. 488,180. 9 Claims. (Cl. 204—38.)



6. A dry cell comprising a metal container electrode, a carbon electrode and associated depolarizing mass therein, said mass comprising a fibrous binding ingredient.

1,484,886. BRINE-CIRCULATING SYSTEM. FRANK M. HILL, Camden, N. J. Filed June 6, 1921, Serial No. 475,411. Renewed Oct. 27, 1923. 2 Claims. (Cl. 62—170.)



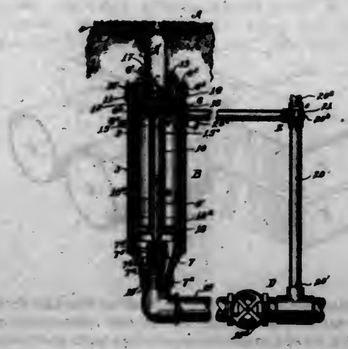
1. The process herein described, which consists in subjecting material to be cooled to melting ice and salt, drawing off the upper portion of the briny solution thus formed, said upper portion being warmer and less dense than the lower portion, permitting the solution thus drawn off to settle, and mixing the lower, cool and dense portion of the solution drawn off with that portion of the solution not disturbed, the remainder of the solution drawn off being conveyed to a point of discharge.

1,484,887. IDENTIFICATION DEVICE. GLENN HYATT, Midvale, Utah. Filed Nov. 27, 1922. Serial No. 603,563. 3 Claims. (Cl. 40—22.)



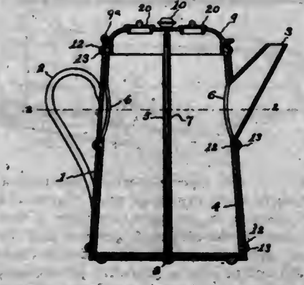
2. An identification device of the character described comprising a headed shank, an indicia carrying member including connected disk like portions adapted to be folded one upon the other, and said portions having openings coinciding when said portions are folded to receive the shank of said element for the purpose specified.

1,484,888. DISAPPEARING LAWN SPRINKLER. FREDERICK H. JOHNSON, South Pasadena, Calif. Filed Jan. 10, 1922. Serial No. 528,222. 12 Claims. (Cl. 299—61.)



2. In an underground sprinkling system for lawns, athletic fields, golf greens, and the like, a sprinkler embedded in the ground so as to be entirely concealed beneath an overlying stratum of soil, said sprinkler including a spraying device and means for forcing the spraying device through the said overlying stratum of soil and to a working zone above the surface thereof.

1,484,889. COMBINATION TEA AND COFFEE POT. JOHN A. KAYE, Sault Ste. Marie, Ontario, Canada. Filed Oct. 13, 1923. Serial No. 668,257. 12 Claims. (Cl. 53—3.)



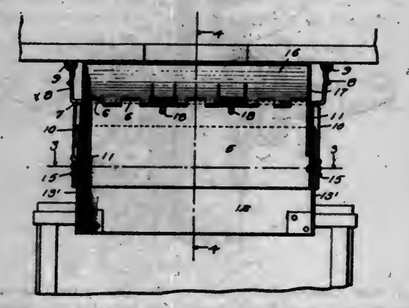
1. A multiple compartment cooking utensil including spout, an inner receptacle rotatable within the outer shell and subdivided into a plurality of compartments, the side walls of each compartment being provided with an opening adapted to be rotated into registry with the pouring spout, means to rotate the inner receptacle, and means to prevent the flow of liquids between the walls of the outer shell and inner receptacle.

1,484,890. CAR ROOF. DANIEL P. KELLOGG, Los Angeles, Calif., assignor to James J. McCarthy, Chicago, Ill. Filed Apr. 16, 1919. Serial No. 290,468. 28 Claims. (Cl. 108—5.)



1. In a car roof, the combination of a fixed frame comprising a ridge pole, and a floating frame which is horizontally movable relative to said fixed frame and having means slidably engageable under said ridge pole.

1,484,891. GRAIN SAVER. PETER KLEIN, Roseland, Nebr. Filed Oct. 30, 1922. Serial No. 597,897. 4 Claims. (Cl. 193—6.)

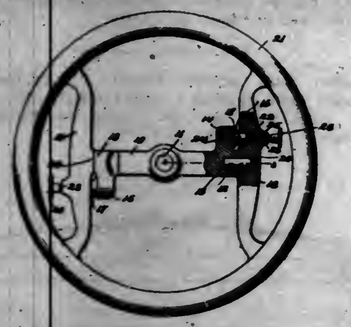


1. In a device of the character described a plurality of plate sections provided with side walls, one of the plate sections being hinged to an adjacent plate section and adapted to lie against a structure upon which the device is supported, longitudinal guides in the intermediate plate sections and receiving the lowermost plate section, and means for holding the latter plate section in adjusted position.

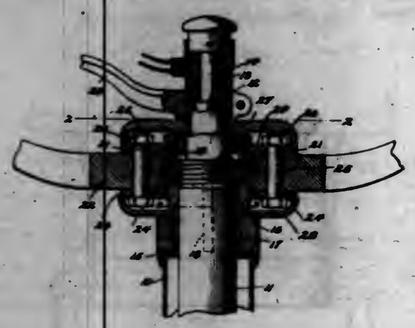
1,484,892. SHIFTING STEERING WHEEL. EDWARD J. LOBDELL, Onaway, Mich. Filed Apr. 29, 1920. Serial No. 377,643. 10 Claims. (Cl. 74—33.)

1. A tilting steering wheel for motor vehicles comprising a rim, a fixed member adapted to be secured at its center to a steering post and projecting therefrom on opposite sides towards the rim, transverse members secured to said rim and extending across the ends of said fixed member, pivotal connection between said fixed member and transverse members in line with the steering post permitting free turning of said transverse members

and rim in either direction on said fixed member, and releasable means locking said fixed member and transverse members against relative turning at points materially removed from the line of said pivot connections transversely and on opposite sides of said line.



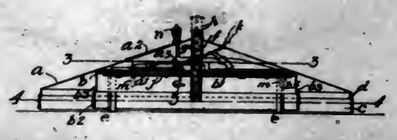
1,484,893. STEERING-WHEEL-ATTACHING DEVICE. EDWARD J. LOSDELL, Onaway, Mich., assignor to The American Wood Rim Company, Onaway, Mich., a Corporation of West Virginia. Filed Feb. 12, 1921. Serial No. 444,478. 8 Claims. (Cl. 74—33.)



1. The combination with a steering wheel having a wooden hub portion, of means for securing the same to a steering rod comprising a sleeve adapted to fit over the steering rod and to be fastened thereto and having an exterior annular flange lying on one side of the wooden hub, an annular ring member concentric with the sleeve and lying on the opposite side of the wooden hub, and a plurality of bolts extending through said ring and annular flange for moving the ring to clamp the hub between the ring and flange and to hold the hub clamped in such position, said flange and ring having their facing surfaces deeply grooved in a direction substantially perpendicular to the length of a spoke of the wheel.

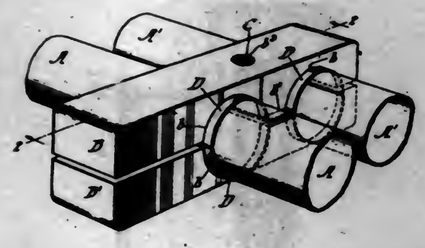
1,484,894. CHICKEN BROODER. WILLIAM ERNEST LYON, San Diego, Calif. Filed Sept. 25, 1922. Serial No. 590,365. 2 Claims. (Cl. 119—33.)

1. A chicken brooder comprising a primary hover, a roof member mounted over said primary hover and extending beyond said primary hover and provided with a curtain to form a secondary hover around said primary hover, a curved heating element mounted in said primary hover near the perimeter thereof, means for connecting said heating element with a heat supply source, an automatic means for controlling the amount of heat in said brooder mounted therein, a double transparent window mounted in the ceiling of said primary hover, a door



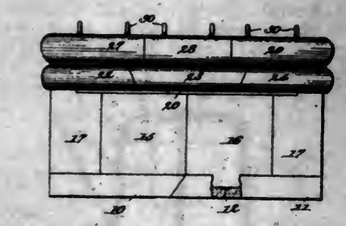
hinged on said roof member immediately over said window, and an adjustable ventilator means mounted in the center of said primary hover.

1,484,895. PROTECTIVE PACKING MEANS FOR ARTICLES HAVING FINISHED SURFACES. EARLE W. MCMULLEN, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 553,860. 7 Claims. (Cl. 45—22.)



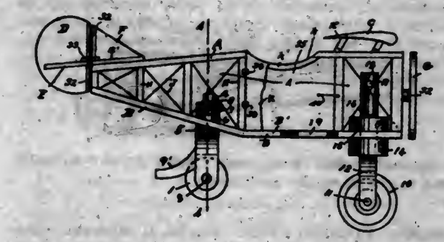
1. A protective packing for an article finished with a siccative coating comprising means for positioning said article and a lining arranged to contact with the finished surface of the article and interposed between the article and the positioning means, said lining comprising a film of lacquer-forming solid material.

1,484,896. CONCRETE CASKET VAULT. JOSEPH MANNIX, Saranac Lake, N. Y. Filed Apr. 4, 1922, Serial No. 549,484. Renewed Dec. 14, 1923. 2 Claims. (Cl. 72—7.)



1. A vault of the class described comprising a pair of base members each provided with a groove and with a plurality of eyes on its upper surface, a body structure constructed to fit into said grooves and including a plurality of sections joined by rounded tenons and grooves, a lid comprising a plurality of overlapping sections having ribs each having apertures therein, and a cover comprising sections which overlap the joints in said lid, and which include counter sinks for receiving said ribs.

1,484,897. CHILD'S VEHICLE. FRANK EDWARD MEYER, Salt Lake City, Utah. Filed Oct. 25, 1922. Serial No. 596,803. 3 Claims. (Cl. 208—165.)



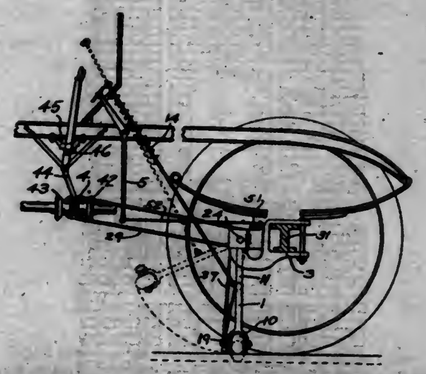
1. A child's vehicle of the character described having an aeroplane body, said body having doors thereon, a stock attached to said body back of said doors, said stock having a wheel pivotally journaled therein and a lug thereon, said lug to represent the landing skid of the aeroplane.

1,484,898. GROCERY ADVERTISING DEVICE. JOSEPH F. MILLER, Storm Lake, Iowa. Filed Apr. 25, 1923. Serial No. 634,610. 8 Claims. (Cl. 40—63.)



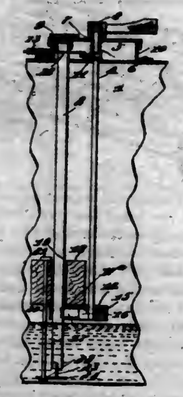
1. A device of the class described, comprising a frame, a rack, means for tiltably mounting the rack on a horizontal axis in the frame, resilient means for holding the rack in an upright position, and means for dividing the rack into compartments for the reception of advertising matter.

1,484,899. JACK WHEEL FOR AUTOMOBILES. JOSEPH MOSLEY, San Francisco, Calif., assignor to Henrietta Sittenfeld (feme sole), San Francisco, Calif. Filed Dec. 1, 1919, Serial No. 341,752. Renewed Nov. 15, 1921. Serial No. 515,432. 4 Claims. (Cl. 180—1.)



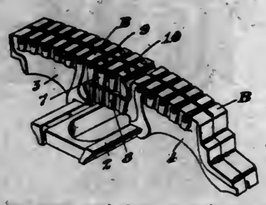
1. The combination with a vehicle of a frame therebeneath movable towards and from the pavement, a lateral-transfer jack wheel journaled in the lowermost portion of said frame, and adapted to contact with the pavement when said frame is lowered, means for vertically lifting the vehicle upon said frame, means for rotating said jack wheel, a clutch controlling the application of power to either of said vertical lift means or said wheel, and a second clutch controlling the direction of rotation of said first clutch.

1,484,900. RESERVE-FUEL DEVICE FOR AUTOMOBILES. WILLIAM H. MUZZY, Chicago, Ill. Filed Apr. 7, 1920. Serial No. 371,982. 11 Claims. (Cl. 158—46.5.)



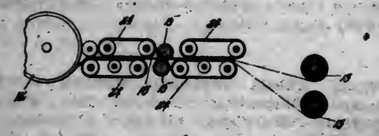
11. In an automobile, the combination with a fuel tank, of a float controlled reserve fuel device, and an inverted shell having a small air escape port and co-acting with the float to prevent sudden movements of the latter by the surge of the fuel due to the movements of the automobile.

1,484,901. GRATE BAR. CHARLES P. OAKMAN, Cambridge, Mass. Filed Nov. 28, 1919. Serial No. 340,973. 3 Claims. (Cl. 110—40.)



1. A grate bar for repair purposes comprising two sections notched to engage the opposite edges of a dovetail grate bar support and having parts that overlap when so mounted on said support, and means for securing said sections together.

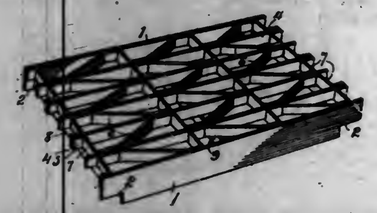
1,484,902. CARDING-MACHINE CONDENSER. GEORGE R. PAIGE, Canton, Mass. Filed June 28, 1923. Serial No. 648,202. 1 Claim. (Cl. 19—150.)



In a carding-machine condenser which includes a ring doffer, roping spools spaced therefrom, to wind ropings coming from the ring doffer; means for trimming opposite sides of the said ropings, said means comprising a pair

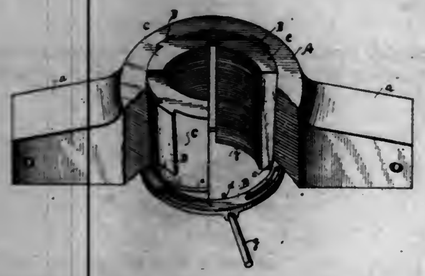
of shearing rolls arranged in the path of the ropings between the ring doffer and the roping spools, and means for rotating said rolls simultaneously in opposite directions, each roll including spaced apart annular shearing knives entering annular spaces between the knives of the other roll.

1,484,903. GRATING. WILLIAM L. PATTISON, Rosedale, Kans. Filed May 28, 1923. Serial No. 641,804. 5 Claims. (Cl. 94—30.)



1. A grating of the kind described comprising two side bars disposed edge up each having at one end and lower edge a notch adapted to receive a supporting beam, intermediate longitudinal bars disposed edge up and attached to each other and to the side bars, and a cross bar attached at its ends to the side bars respectively and having its lower edge flush with the upper edges of said notches and having its upper edge contacting with and adapted to support said intermediate bars, substantially as set forth.

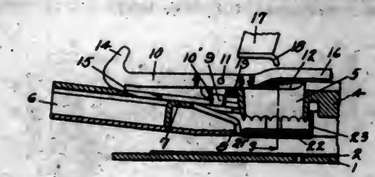
1,484,904. DRIVE-PIPE HOLDER. SAMUEL P. POWERS, Wooster, Ohio. Filed May 14, 1923. Serial No. 638,930. 2 Claims. (Cl. 24—263.)



1. In a device of the character described, the combination with a metal block having a beveled bore therein and a plurality of dovetail grooves in the sides of the bore, of a series of slips or gripping members adapted to reciprocate vertically within the bore of the block, said slips having a dove-tail tongue adapted to reciprocate within the dovetail groove of the block adjacent thereto, a spiral groove cut into the outer surface of each slip, and a circular plate surrounding said assembled slips, and provided with studs projecting inwardly and adapted to travel in said spiral grooves respectively, when said plate is rotated in either rotary direction, substantially as set forth.

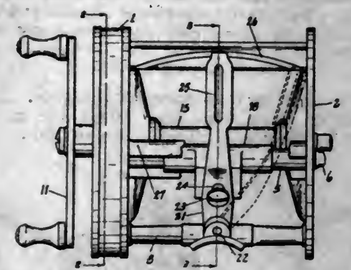
1,484,905. LABEL-AFFIXING SEWING MACHINE. MORRIS G. ROSENTHAL, Cincinnati, Ohio. Filed July 9, 1921. Serial No. 483,553. 8 Claims. (Cl. 112—104.)

8. In a machine for stitching labels, the combination of a work holder plate with an aperture therein corresponding to the label to be affixed, a main work clamp with an opening corresponding to the aperture in said work holder plate disposed to clamp the label to the work holder at the edge of said aperture, deflectable label supports disposed at the bottom and within the opening



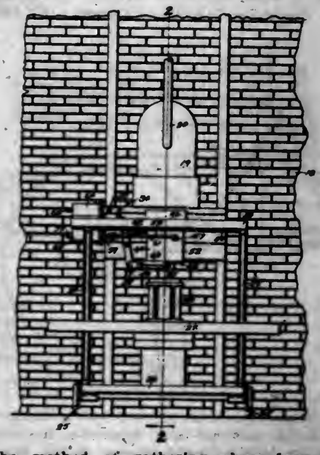
in the main work clamp, and a label presser foot disposed to act upon the said label.

1,484,906. FISHING REEL. SAMUEL G. RUSSELL, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Mar. 6, 1923. Serial No. 623,109. 17 Claims. (Cl. 242—84.4.)



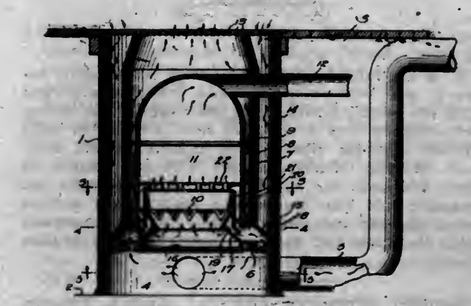
15. In a fishing reel, the combination of a frame, a spool provided with conical flanges, a traversing shaft, a reciprocating carriage, an angled line traversing lever pivotally mounted on said frame at a central point thereof and operatively connected to said carriage, the angle of said lever exceeding that of a right angle and being such that at the end of its stroke the swinging end of the lever lies at an angle to the axis of the spool approximating that of the angle of the flanges relative thereto.

1,484,907. METHOD OF AND APPARATUS FOR FEEDING MOLTEN GLASS INTO MOLDS. ALEXANDER L. SCHRAM, Hillsboro, Ill., assignor to Schram Glass Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 10, 1921. Serial No. 443,814. 9 Claims. (Cl. 49—5.)



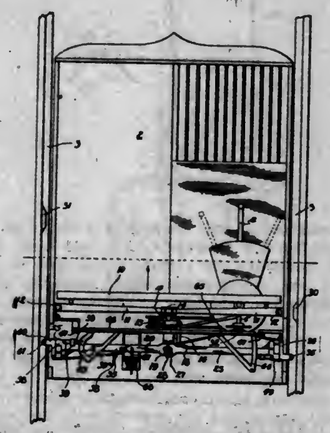
8. The method of gathering glass from a flowing stream, which consists in establishing a regulated flowing stream of glass, simultaneously severing and enlarging the stream below the outlet at intervals, utilizing the enlarged severed end of the stream as a moving plastic support for the on-coming stream of glass and a portion of the gathered mass, bodily arresting the downward movement of the accumulated mass until a sufficient quantity to make the desired article has been accumulated, simultaneously releasing the accumulated mass on its bottom and shearing the stream above the accumulated mass, and lastly releasing the accumulated mass on its sides.

1,484,908. FURNACE. TRUMAN C. SHERWOOD, Danville, Ill., assignor of forty-nine one-hundredths to Hubert R. Van Nordstrand, Danville, Ill. Filed Oct. 1, 1923. Serial No. 665,914. 4 Claims. (Cl. 126—99.)



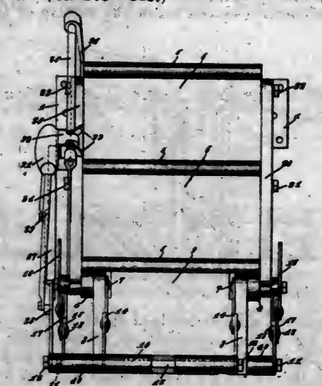
1. In a pipeless furnace, an outer casing, an air chamber arranged beneath said casing, an inner casing, a furnace cylinder arranged within said inner casing and spaced therefrom to form a heating chamber, means for feeding air from said air chamber to said heating chamber, and means for returning air from the room heated to the fire box of the furnace.

1,484,909. ELEVATOR STOP. JOHN B. SMITH, Los Angeles, Calif. Filed Feb. 15, 1923. Serial No. 619,098. 19 Claims. (Cl. 187—29.)



5. An elevator car having a platform and a frame, a scale beam balancing said platform freely in the frame, power controlling means on the car, cams arranged along the shaft in which the elevator car runs, and means engageable with said cams and controlled by said beam to actuate the said power controlling means.

1,484,910. FOLDING COACH STEP. GEORGE E. SMITH, Oil City, La. Filed Aug. 27, 1923. Serial No. 659,588. 3 Claims. (Cl. 105—448.)



2. In a device of the class described, a fixed stairway, a track on the stairway, a guide on the stairway, a slide mounted for reciprocation on the guide, a frame carried by the slide, a handle on the frame and mounted for reciprocation on the track, means carried by the handle for gripping the track, a foldable step pivoted to the stairway, and means for connecting the step with the slide.

1,484,911. COMBINATION SHAVING BRUSH AND SOAP HOLDER. ANTHONY SNIEGOCKI, Oakland, Calif. Filed Oct. 11, 1922. Serial No. 593,856. 4 Claims. (Cl. 15—122.)

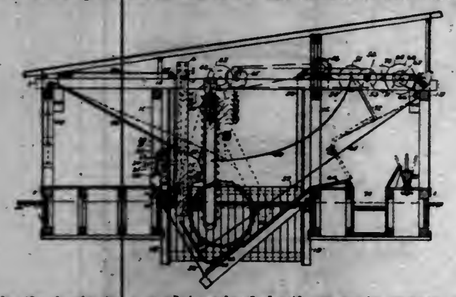


1. A device of the character described comprising a head member, bristles secured to the head member and arranged in circular formation to produce a central opening, a tube slidably mounted in the head member and adapted to be extended downwardly through the bristles, a soap stick carried by the tubular member and projecting through the lower end thereof, said tube frictionally fitting the head member, and permitting vertical adjustment of the tube and the soap carried thereby with relation to the head member and the bristles, and means frictionally fitting the interior of said tube and adapted to be manually actuated to advance the soap stick with relation to the tube.

1,484,912. LOG-BARK-PEELING MACHINE. EMMET G. STACK and JOHN E. STACK, Marshfield, Oreg. Filed Dec. 10, 1921, Serial No. 521,405. Renewed July 19, 1923. 9 Claims. (Cl. 144—207.)

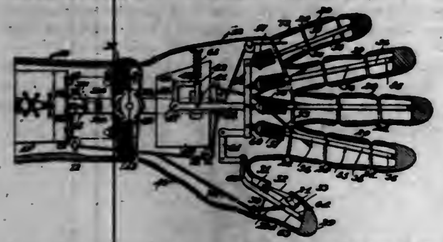
1. A log bark-peeling machine comprising a foundation parts of which are spaced to form such an intervening basin as will fill when the foundations are immersed or surrounded by a body of water, to the level of said body,

and will permit a log to be floated into or out of said basin; a superstructure supported on said foundations; peeling means so suspended from the superstructure that the lower portions extend below the surface of the water



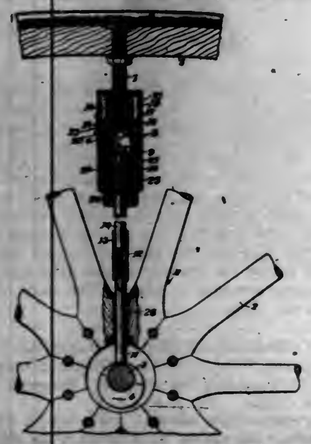
in the basin to a predetermined depth so as to engage a floating log of any diameter on diametrically opposite sides at or near its horizontal center line, and operable to rotate the log on its axis of floatation and scrape the same.

1,484,913. ARTIFICIAL BODY MEMBER. CYRIL MEREDITH SURRY, Halleyville, Okla. Filed Oct. 26, 1922. Serial No. 597,127. 5 Claims. (Cl. 3—12.)



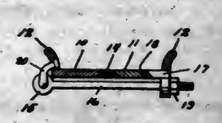
3. In an artificial body member, a hand member having movable finger members and means for moving said finger members to closed position including a cross head, closing rods connected to the finger members and spring connections between the closing rods and the cross head.

1,484,914. AUTOMATIC TIRE PUMP. WALTER J. THOMAS, Modesto, Calif., assignor of one-fourth to John A. Wenger, Modesto, Calif. Filed Oct. 12, 1922. Serial No. 594,177. 4 Claims. (Cl. 152—11.)



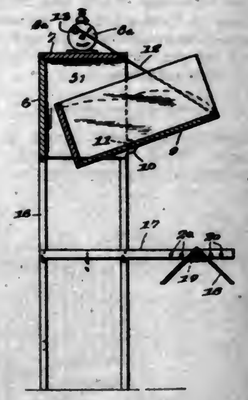
1. In a device of the character described a cylinder, a piston reciprocally mounted therein, a head member forming a closure for one end of the cylinder, a threaded discharge opening in said head member, a perforation in the head member having a seat formed at one end thereof, a ball valve engageable with the seat, a washer engageable with the ball valve, a cap carried by the cylinder and vertically adjustable with relation to the washer, and a spring interposed between the washer and the cap, said spring, washer and ball valve being enclosed by the cap.

1,484,915. SEPARABLE RIM. SIDNEY P. THORINGTON, Bishop, Calif. Filed May 20, 1922. Serial No. 562,407. 3 Claims. (Cl. 301—35.)



2. A rim formed of similar sections telescopically engaged, said sections having their outer edges formed with tire retaining flanges, the outer edge of one section being formed with a series of slots, a series of bolts pivoted upon the other section opposite to said slots, hook like lugs slidable on said bolts and adapted to enter said slots, and nuts threaded upon said bolts and engaging said lugs, the meeting edges of the sections being partially cut away to have interfitting relation with the outer and inner peripheries of both sections flush.

1,484,916. AUTOMATIC FEEDER. JAMES R. VINCENT, Wheaton, Ill. Filed Feb. 9, 1922. Serial No. 535,331. 5 Claims. (Cl. 161—10.)



1. An automatic feeder comprising a shelf, an eccentrically pivoted feed receptacle below said shelf, a time-controlled mechanism for actuating said feed receptacle, supporting legs carrying said shelf, forwardly directed brackets secured to said legs, a spreader member removably carried by said brackets and positioned beneath the discharge end of said feed receptacle, and said spreader member being adjustable with reference to the vertical plane of said discharge end.

1,484,917. KITCHEN UTENSIL. HARRY H. VREELAND, Springfield, Mass. Filed June 27, 1922. Serial No. 571,170. 1 Claim. (Cl. 294—7.)

A kitchen utensil of integral form, having a forward beveled edge adapted to be slid or forced under a cooking receptacle in order to lift and remove the same, two elongated apertures near the rear edge of the utensil forming a hand grip and being disposed longitudinally with respect to the utensils and relatively close to each other, a wedge shaped aperture situated between the said elongated apertures and the forward beveled edge of said utensil, said wedge shaped aperture having its wide part



disposed toward the rear of said utensils and converging towards the forward beveled edge thereof, substantially as described.

1,484,918. ELECTRIC BATTERY. ARTHUR V. WILKES, Berea, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 9, 1919. Serial No. 295,979. 6 Claims. (Cl. 204—38.)

5. Method of preparing a mix for use in dry batteries which comprises mixing together solid depolarizing material, carbon, and electrolyte solution, substantially drying the mixture, and comminuting the dry material.

1,484,919. METHOD OF MANUFACTURING COLORED RUBBER ARTICLES. ARTHUR P. WITTEN, Akron, Ohio. Filed Apr. 23, 1923. Serial No. 634,174. 11 Claims. (Cl. 18—58.)

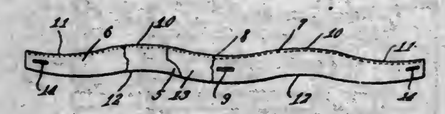
1. That process of manufacturing a toy balloon or like article which consists in first taking a quantity of crude rubber, mixing therewith powdered aluminum, reducing the mixture to solution by adding a suitable solvent, providing a form, dipping the form in solution to build up a balloon thereon, then dyeing the article and subjecting the same to vulcanization.

1,484,920. REVERSIBLE PUMP OIL CAN. EDWIN C. WOLFE, Corral, Idaho. Filed Mar. 16, 1923. Serial No. 625,523. 2 Claims. (Cl. 221—51.)



1. In an oil can, comprising an oil receiving chamber, a cover for said chamber, a neck portion adapted to extend through said cover and being provided with an extension extending downwardly within the oil chamber and being bent at right angles, pipes secured to the right angle bend and extending in opposite directions and terminating adjacent the top and bottom of the chamber and near the side wall thereof, a ball valve positioned in each of the pipes, neck valves positioned in the neck portion, and a piston operable in the cylinder on one side of the neck portion for operating the ball valves and neck valves for discharging the oil from the can.

1,484,921. NECKBAND. FRED M. WOODS, Muskogee, Okla., assignor of one-half to Jesse B. Hettick, Muskogee, Okla. Filed June 11, 1920. Serial No. 388,801. 1 Claim. (Cl. 2—41.)



In a neckband, strips of cloth material sewed together at the edges thereof, to provide a body portion, said body portion having button-holes at the ends thereof and having a button-hole disposed intermediate the ends of the body portion, the upper edge of the body portion being curved upwardly at points between the central button-hole and the button-holes at the ends of the body portion, the central portion of the upper edge lying in a line connecting the upper edge of the body portion at the ends of the body portion, the lower edge of the body portion being curved downwardly from the ends thereof, and continued in a line in substantially parallel relation with the upper edge of the neck band.

1,484,922. METHOD OF RECOVERING GASOLINE. LA VAN WARREN, Okmulgee, Okla. Filed Oct. 6, 1919. Serial No. 328,790. 1 Claim. (Cl. 196—25.)

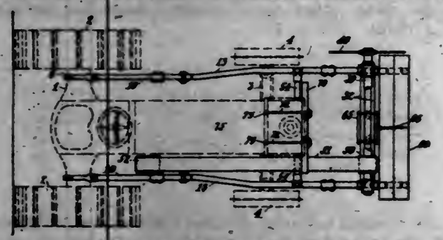


The method of recovering gasoline consisting of collecting a pool of heated oil in a closed container, introducing field gas into the pool of oil to pass through into the condenser space above the oil, spraying heated oil into said space to meet the gas, retarding the upward passage of the gas and the downward passage of the oil throughout the entire transverse area of the container so as to subject all parts of both elements to retardation and conducting the gas into a condenser.

1,484,923. PORTABLE TOOL DEVICE. KARL A. ZANDER, Stow, Mass. Filed June 27, 1922. Serial No. 571,271. 19 Claims. (Cl. 180—53.)

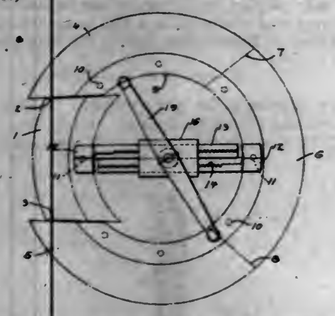
1. An attachment for a vehicle comprising, in combination, a pair of arms pivoted at one end to a part of the vehicle, a frame pivoted at one end to said arms

and having ground-engaging members at its opposite end, a transverse shaft at said opposite end, a tool on



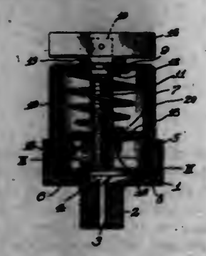
said shaft, and means for supporting said opposite end from said vehicle with said ground-engaging members out of ground-engaging position.

1,484,924. SECTIONAL-CORE-COLLAPSING DEVICE. SPENCER QUIGLE ZIMMERMAN, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Sept. 22, 1920. Serial No. 411,922. 1 Claim. (Cl. 154—9.)



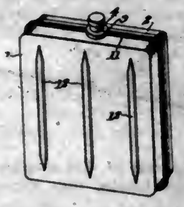
A device for collapsing sectional tire cores including in combination, members readily engageable with and disengageable from core sections, racks fixed to said members, a pinion cooperating with said racks, and means constraining said racks to move in parallelism, said pinion and crank being bodily and quickly removable for convenience in effecting an adjustment of the distance between the members engageable with the core sections.

1,484,925. GREASE CUP. OLIVER E. BARTHEL, Detroit, Mich. Filed Dec. 27, 1919. Serial No. 347,745. 1 Claim. (Cl. 184—45.)



A grease cup comprising a base adapted to have grease ejected therefrom, an inverted cup shaped receptacle having its open end detachably connected to said base, a rotatable screw axially of said receptacle supported by the closed end of said receptacle, a one piece metallic piston adapted to be reciprocated in said receptacle by said screw, means at one side of said piston to prevent rotation thereof relative to said screw, and means carried by said base adapted to be engaged by the central portion of said piston to prevent said piston from contacting with said base.

1,484,926. DRY CELL. RAYMOND C. BENNER, Fremont, Ohio, assignor to National Carbon Co. Inc., a Corporation of New York. Filed May 18, 1921. Serial No. 470,492. 7 Claims. (Cl. 204—38.)

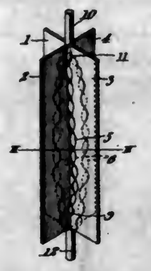


1. In a dry cell, a cathode element, and an anode about said element, said anode having a recessed portion adapted to receive excitant paste displaced during operation of the cell.

1,484,927. STORAGE-BATTERY SEPARATOR AND PROCESS OF MAKING THE SAME. RAYMOND C. BENNER, Bayside, and GEORGE W. HEISE, Elmhurst, N. Y., assignors to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Feb. 25, 1922. Serial No. 539,074. 5 Claims. (Cl. 204—29.)

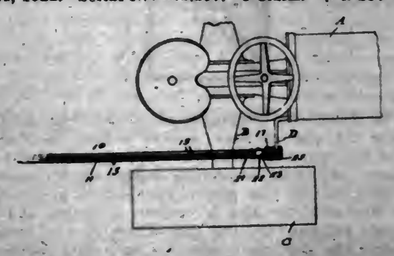
1. A storage battery separator comprising a porous material having a single insulating, acid resistant coating directly adherent thereto.

1,484,928. STORAGE-CELL ELECTRODE AND SUPPORT FOR ACTIVE MATERIALS. RAYMOND C. BENNER, Bayside, N. Y. assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Oct. 12, 1922. Serial No. 594,058. 6 Claims. (Cl. 204—29.)



1. An active material support comprising non-conductive members arranged radially about a common axis and forming compartments for the active material.

1,484,929. CLUTCH RELEASE FOR TRACTORS. SALVADOR G. BEZAURY, Muskegon Heights, Mich. Filed May 24, 1922. Serial No. 563,357. 1 Claim. (Cl. 180—82.)



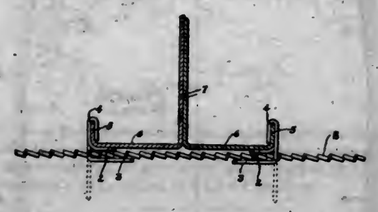
A clutch release device for tractors comprising a lever formed of sections embracingly engaged upon the rear axle housing of a tractor and capable of pivotal movement thereon, the rear end of the lever being extended angularly, the forward end of the lever being flexibly connected with the clutch lever of the tractor, a counterbalancing weight on said forward end, a hinge joint in the lever between the rear axle housing and the forward end, means normally holding said hinge joint rigid and a lever for releasing said holding means.

1,484,930. TOY PISTOL. CLAUDE L. BUNTEN, Rawlins, Wyo. Filed Jan. 8, 1923. Serial No. 611,269. 8 Claims. (Cl. 124—14.)



1. A toy comprising a barrel having a pair of vertically spaced guides, a reciprocable carrier movably mounted between said guides and provided with an open pocket, means for impelling said carrier forwardly in said guides, a shot magazine formed longitudinally in the upper guide, means for releasing shot, one at a time from said magazine whereby said shot gravitate, to the pocket in said carrier, a latch engageable with said carrier at the rearward limit of its movement, and means for releasing said latch from said carrier whereby the latter is moved forwardly by said impelling means for discharging the shot from the pocket in said carrier.

1,484,931. METAL-LATH-ATTACHING CLIP. WILLIAM L. CALDWELL, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 23, 1921. Serial No. 494,463. 6 Claims. (Cl. 72—118.)

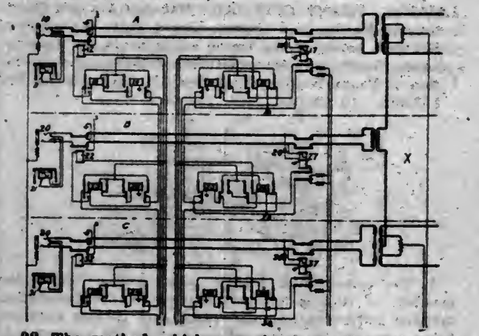


1. A metal clip for fastening expanded straight metal lath and the like to a support, having one end bent to form a hook for engaging the support, a grip tongue on the other end for engaging the face of the support and a prong tongue alongside the grip tongue on the same end insertable through an opening in the lath for clamping the same against the support.

1,484,932. PROCESS OF SIMULTANEOUSLY PREPARING AMMONIUM CHLORIDE AND SODIUM CARBONATE EMPLOYING SYNTHETIC AMMONIA. GEORGES CLAUDE, Paris, France, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Filed Mar. 14, 1918. Serial No. 222,506. 5 Claims. (Cl. 23—13.)

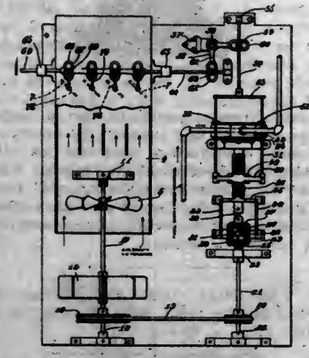
1. A process of producing ammonium chloride, consisting in preparing a gas containing hydrogen and carbon dioxide, separating the carbon dioxide from the hydrogen, combining the hydrogen with nitrogen to form ammonia, causing this ammonia and the separated carbon dioxide to react with sodium chloride, and withdrawing as a product of the operation the ammonium chloride formed.

1,484,933. TELEPHONE SYSTEM. ROY D. CONWAY, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1919. Serial No. 348,123. 23 Claims. (Cl. 179—43.)



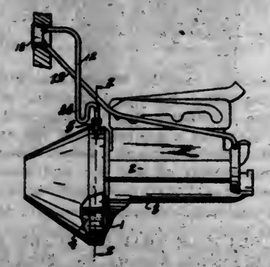
22. The method which comprises operating telephone repeaters by a series of impulses when a transmission line is taken for use, and transmitting another series of impulses to identify said line.

1,484,934. REGULATOR. PHILIP W. DALRYMPLE, Baltimore, Md. Filed Dec. 7, 1921. Serial No. 520,543. 9 Claims. (Cl. 110—72.)



1. The method of draft regulation for furnaces which consists in varying the area of the draft passage in direct proportion to the increase of the ratio of the fuel feed to the speed of the draft.

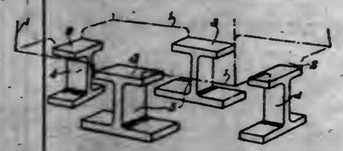
1,484,935. CENTRIFUGAL-FORCE SIGHT FEED. FRANK L. DUNANN, Lompoc, Calif. Filed Apr. 20, 1920. Serial No. 375,375. 2 Claims. (Cl. 184—11.)



1. The combination with an engine having a crank casing and a rotatable member therein for circulating a lubricating medium, of a conduit extending from said crank casing adjacent said rotatable member, a sight glass in

said conduit, a trap for said lubricant in said conduit between said sight glass and said rotatable member, said conduit leading to the opposite end of said casing.

1,484,936. FRAME SUPPORT. WILLIAM ECCLES, Chorlton-cum-Hardy, and HENRY LEWIS GUY, Manchester, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1922. Serial No. 537,602. 10 Claims. (Cl. 74—56.)



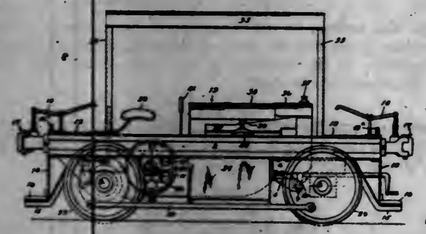
1. The combination with a frame and a foundation member, of tiltable members carried by the foundation member and supporting the frame, said tiltable members being arranged in groups whose axes of tilt are substantially at right angles to each other.

1,484,937. CUSHIONED VEHICLE TIRE, ETC. HENRY C. EGERTON, Ridgewood, N. J. Filed Aug. 31, 1918. Serial No. 252,170. 8 Claims. (Cl. 152—6.)



5. In vehicle tires, a metallic support, a fabric connecting member engaging said support and impregnated with cured phenolic condensation cementing material, a vulcanized rubber tire tread cushioning member vulcanized to said connecting member and secured in said support, said connecting member being formed with projecting gripping cords secured to said connecting member and interlocking with said cushioning member.

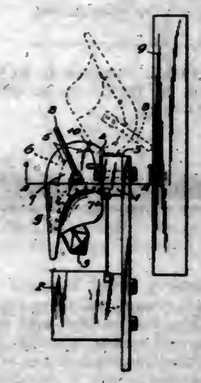
1,484,938. RAILWAY CAR. EMIL EISELT, Baltimore, Md. Filed Apr. 24, 1923. Serial No. 634,233. 6 Claims. (Cl. 105—62.)



1. In a railway car, the combination with the underframe having axles connected thereto, of a Fordson tractor frame detachably connected to said underframe, said frame including a gas engine of the explosive type, a transmission mechanism and a power transmitting shaft arranged transversely of said car, and means for operatively connecting said shaft to at least one of said axles.

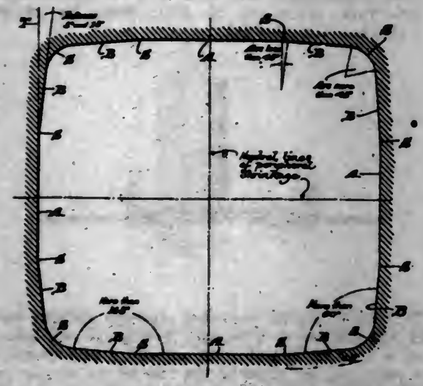
1,484,939. SHUTTLE TRAP OR GUARD FOR LOOMS. WILLIAM G. FISHER, Sunbury, Pa. Filed Sept. 29, 1922. Serial No. 591,277. 4 Claims. (Cl. 139—193.)

3. The combination with the hand rail and lay beam of a loom, of a shuttle guard comprising end plates hinged to the hand rail and having downwardly and outwardly extending parts, forming deflectors, curved retaining arms extending from the hand rail over the lay beam and thence downwardly toward said beam, and a plurality of



rods spaced apart from one another and extending between the end plates, said rods being connected to said arms.

1,484,940. INGOT MOLD AND INGOT. EMIL GATHMANN, Baltimore, Md. Filed Dec. 31, 1923. Serial No. 683,770. 14 Claims. (Cl. 22—218.)

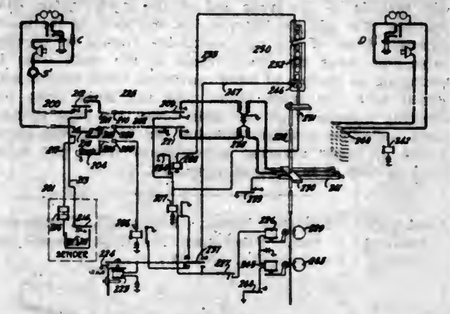


1. An ingot mold having a chamber any cross section of which below the neck is provided with curved salients at the corners which merge on each side into relatively narrow, substantially straight inclined corner walls in turn merging into relatively wide substantially straight centrally located walls.

1,484,941. TELEPHONE-EXCHANGE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,752. 7 Claims. (Cl. 179—18.)

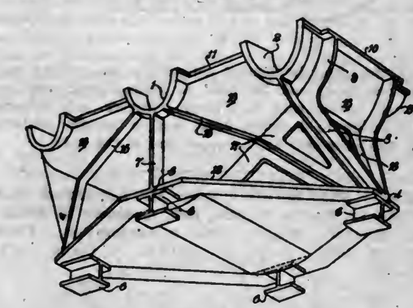
1. In a telephone exchange system, a calling line, a selector switch and a connecting circuit for extending a connection from said line, a control circuit comprising said connecting circuit extending to said switch, a control relay at said switch controllable over said control circuit,

means under the control of said relay for operating said switch, means operated during the advance of said switch



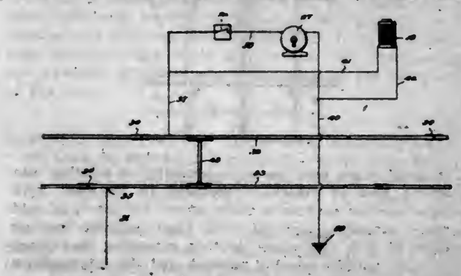
for intermittently opening said control circuit and means under the control of said last named means for rendering said relay quick to release.

1,484,942. GEAR CASING. HENRY LEWIS GUY, Manchester, and WILLIAM ECCLES, Chorlton-cum-Hardy, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1922. Serial No. 537,603. 13 Claims. (Cl. 74—56.)



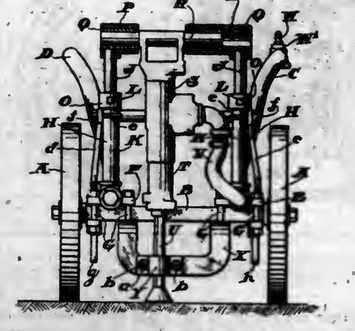
1. In a gear case structure, in combination, a plurality of bearings, struts for supporting the bearings, a plurality of other bearings, and strut structure including converging branches for supporting the latter bearings.

1,484,943. RAILWAY GRADE-CROSSING GATE. CHARLES W. HALL, Princeton, W. Va. Filed Sept. 13, 1923. Serial No. 662,573. 7 Claims. (Cl. 246—129.)



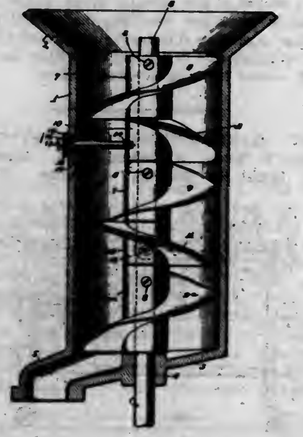
2. In a railway gate, the combination with an insulated block of rails; of a weighted gate beam standing normally in upright position, a motor adapted to lower said gate beam, a main circuit including a switch for said motor and connected with a source of power, said rails providing a gap in said circuit, an element connected with said beam for opening said main switch when the beam is in lowered position, means retaining the beam in said lowered position, and a brake actuated by said element when said beam is in lowered position.

1,484,944. ROAD-SURFACING MACHINE. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 14, 1923. Serial No. 638,794. 3 Claims. (Cl. 94—49.)



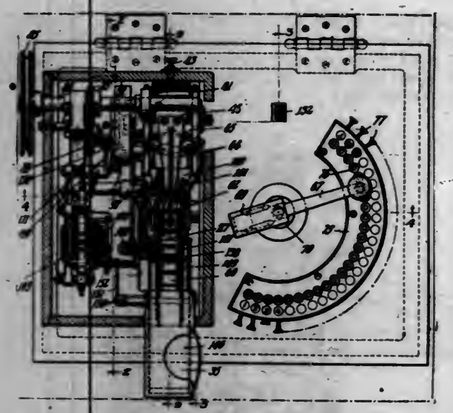
1. A road surfacing machine adapted to be rolled along a roadway, comprising an axle and a pair of wheels, handle bars connected to the axle, vertically adjustable frames mounted in up-right position on said axle, supports on said frame adapted to receive the handle bar of a fluid actuated percussive tool, a surfacing implement adapted to receive the hammer blows of said percussive tool, and a guide yoke connected to the axle for guiding the surfacing implement.

1,484,945. FEED HOPPER FOR PLASTIC MATERIALS. HERBERT MORTIMER HILL, New York, N. Y., assignor to Phenix Cheese Company, a Corporation of New York. Filed Aug. 30, 1922. Serial No. 585,329. 10 Claims. (Cl. 31—22.)



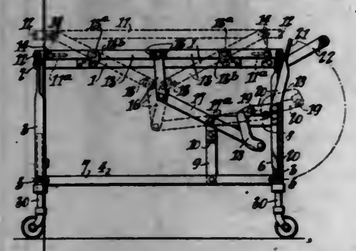
1. A feed hopper for plastic materials, comprising a cylinder, a revoluble shaft located therein and positioned approximately in the axial center thereof, an interrupted thread mounted upon said shaft and revoluble therewith, and another interrupted thread located within said cylinder and in proximity to said first mentioned thread, said second mentioned thread being fixed against rotation.

1,484,946. TICKET ISSUING AND TOTALIZING DEVICE. GEORGE ALFRED JULIUS, Sydney, New South Wales, Australia. Filed Apr. 14, 1920. Serial No. 373,726. 6 Claims. (Cl. 235—3.)



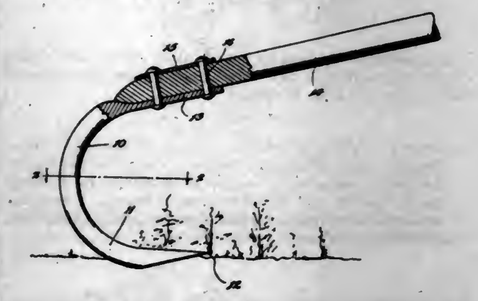
6. In an apparatus of the class described, the combination of a rotatable printing wheel, reciprocable means cooperating therewith to print a ticket between said wheel and means, means for feeding a strip to be printed between said wheel and reciprocable means, means for cutting off a printed ticket from said strip, means for ejecting the printed ticket, a rotating member having means for operating all of said means in proper sequence during one rotation of said member, a continuously rotating member adapted to engage said operating member thereby to rotate the same, a rotatable and reciprocable member, means for transmitting the rotary motion of said member to said printing wheel, means operated by said rotatable and reciprocable member during its reciprocatory motion for causing engagement of the continuously rotating member with the operating member, means actuated during the reciprocatory movement of said rotatable and reciprocable member for establishing a record of the printed ticket, means adjacent to the printing wheel for receiving the ejected tickets, and means also operative during the reciprocatory movement of said rotatable and reciprocable member for separating recorded tickets from unrecorded tickets.

1,484,947. HAND-CONTROL LOAD-LIFTING TRUCK. ROBERT B. KECK, Alhambra, Calif. Filed Mar. 14, 1923. Serial No. 625,106. 4 Claims. (Cl. 254—8.)



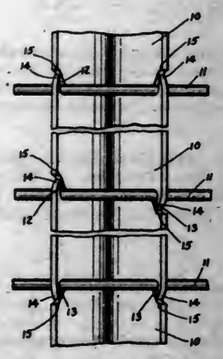
1. A combined object lifting and transferring truck comprising a main frame including horizontal opposite sides and end members, a lifter frame that works inside the said top members of the main frame, a pair of vertically swingable frames, the said frames being pivotally mounted, one at each end of the top side members of the main frame, the lifter frame being connected to and movable up or down with the outer ends of the swingable frame, a main vertically swingable lever whose outer end extends to the front end of the truck frame, connections that join the inner end of the lever to the inner adjacent ends of the two swingable frames to thereby raise and lower the lifter frame as the main lever is swung up or down and hand controlled lever connections joined with the truck frame and the main lever for effecting movement of the main lever, the said connections including members adapted for holding the parts stated to their reversed adjustments when the main lever is shifted in reverse directions.

1,484,948. WEEDING TOOL. ROBERT H. KIMBERLIN, Midland, S. Dak. Filed Mar. 29, 1922. Serial No. 547,816. 1 Claim. (Cl. 55—65.)



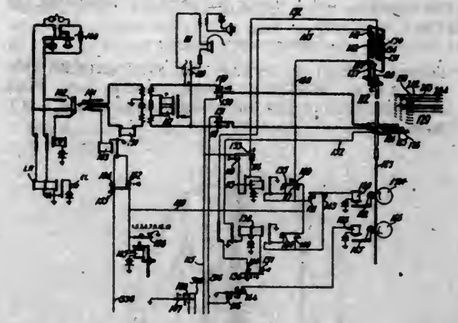
An agricultural implement comprising an arcuate rod having its upper end flattened to form a seat and its lower end terminating in diverging fingers, said fingers each tapering to a knife edge, and a handle secured rigidly upon the seat at the upper end of the rod.

1,484,949. FENCEPOST. CARL M. KITSELMAN and OSBORN L. BARBER, Muncie, Ind., assignors to Kitselman Brothers, Muncie, Ind., a Corporation. Filed Sept. 21, 1922. Serial No. 589,542. 1 Claim. (Cl. 256—58.)



A metal fence post having a plurality of relative thin portions each of which is provided in its edge with oblique notches to receive fence wires, the lower of said notches extending upward with their mouths opening downward and the upper notches extending downward with their mouths opening upward, and the intermediate oppositely positioned notches extending in oppositely inclined directions with their mouths opening in opposite directions, whereby the notches will prevent upward movement of the lower wire in the lower notches, downward movement of the upper wire in the upper notches, and upward and downward movement of the intermediate wire in the intermediate notches.

1,484,950. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1920. Serial No. 377,358. 9 Claims. (Cl. 179—27.)



1. In a telephone exchange system, an originating office, an outlying office, trunk lines extending between said offices, an automatic switch in said first office for selecting one of said trunk lines, responsive means individual to said trunk line at the outgoing end thereof, a signal associated with said trunk line at the incoming end thereof, means made effective by the seizure of said trunk line by said switch to operate said responsive means, and means under the control of said responsive means for operating said signal.

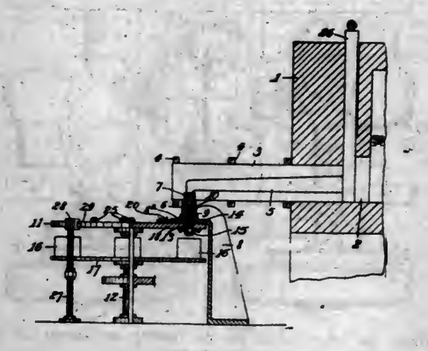
1,484,951. AIR TUBE FOR PNEUMATIC TIRES. THOMAS BAKER MCLEROTH, Hadley Wood, England. Filed July 6, 1922. Serial No. 573,238. 3 Claims. (Cl. 152—22.)



3. For use in an air tube of the kind hereinbefore set forth for a pneumatic tire, a stud having a neck and a base, said neck being formed with a substantially axial passage and said base being formed with transverse channels communicating with said passage and intersecting one another, said channels debouching at the periphery of the base.

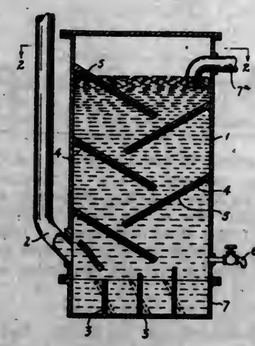
1,484,952. AUTOMATIC FLOW FOR GLASS TANKS. WILLIAM H. MCSWAIN, Moundsville, W. Va., and HARRY W. MCSWAIN, Detroit, Mich. Filed May 5, 1921, Serial No. 466,938. Renewed Oct. 25, 1923. 4 Claims. (Cl. 49—5.)

4. An automatic flow for glass, comprising, in combination with a glass tank, a spout leading from the tank, a horisontal stand located beneath said spout and having a vertical passage therethrough, means for conducting glass from said spout to said passage, a rotating table having the edge portion thereof in closely underlying relation to said stand and having oblong openings in said edge portion, said openings being located to be successively carried by rotation of the table into register with said passage for receiving glass from the latter, a shear, means for actuating said shear across the lower end of said passage at a definite point in the registration of each table-opening with said passage, a second table



located beneath the first table and molds carried by the second table in position to receive charges of glass detached by said shear.

1,484,953. INTERCEPTOR. SAMUEL L. MARSH, Los Angeles, Calif. Filed Jan. 6, 1923. Serial No. 611,084. 2 Claims. (Cl. 210—52.)

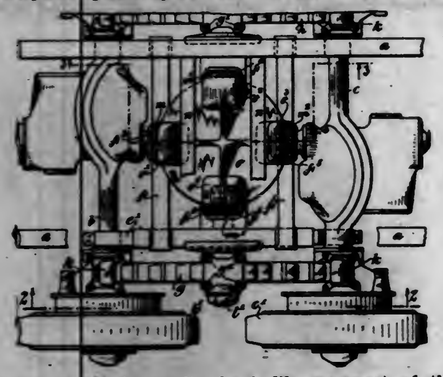


1. An interceptor adapted to separate a solid from a liquid, including a casing, a fluid inlet near the bottom thereof, and an outlet near its top, baffles located at the bottom of said casing and in angular relation to the incoming stream of mixed solids and liquid, whereby the heavier particles in said fluid are carried by their momentum into the pockets formed by said baffles, the stream of fluid passing upward away from said baffles, and means entirely above said baffles for removing the remaining particles from said stream including a plurality of screens projecting from opposite sides of said casing, each screen extending only part way across said casing.

1,484,954. VEHICLE CONSTRUCTION. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 10, 1923. Serial No. 637,960. 8 Claims. (Cl. 180—22.)

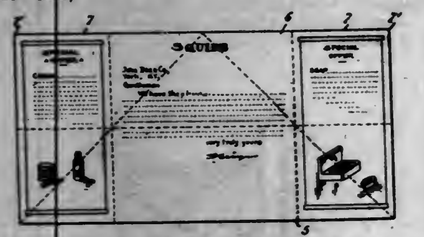
1. In combination with the frame of a motor propelled vehicle a plurality of supporting axles having non-steering wheels thereon, means to maintain the axles in

spaced relationship and non-metallic yielding members interposed operatively between said axles and the main



frame to afford capacity for bodily movement of the axles with respect to the frame.

1,484,955. FOLDER. GUTHRIE MCNAB MILLER, New York, N. Y., assignor to E. R. Squibb and Sons, New York, N. Y., a Corporation of New York. Filed Apr. 13, 1922. Serial No. 552,419. 6 Claims. (Cl. 229—92.1)



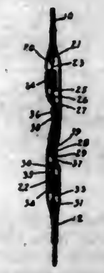
1. As an article of manufacture, a substantially rectangular sheet adapted to bear a message, said sheet being folded on lines extending diagonally from the center of the upper edge to the lower corners to cover the message, the folded sheet then having a triangular shape and being again folded to bring the three corners of the folded sheet together, thereby simulating a rectangular envelope.

1,484,956. CONTROLLER HANDLE. THOMAS I. MORRISH, San Francisco, Calif. Filed July 25, 1923. Serial No. 653,716. 4 Claims. (Cl. 74—33.)



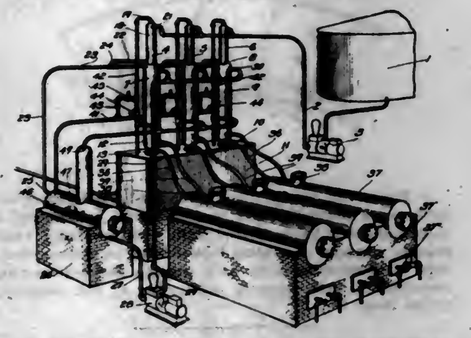
1. A controller handle comprising a pair of jaws formed with a hole to fit on an air brake valve stem or the like, stem sections extending from the jaws and hinged together, the end of one stem section being inwardly slotted to receive the other and having a cylindrical threaded periphery for receiving a handle, a threaded bolt carried by one stem and extending through the other, a nut on the bolt for adjustment to draw the jaws together, and a spring for normally separating the jaws.

1,484,957. YIELDING STRAP FOR SUSPENDERS AND THE LIKE. EDWARD F. MOSER, Warsaw, Ind. Filed May 8, 1922. Serial No. 559,288. 4 Claims. (Cl. 241—12.)



1. A yielding strap construction including a plurality of elastic means in tandem and separated relation, and strap means between the same and associated therewith, the strap means being arranged to permit relative movement between the elastic means and the strap means but prevent stretching the elastic means beyond a predetermined limit.

1,484,958. APPARATUS FOR CONVERTING HEAVY HYDROCARBONS INTO LIGHTER HYDROCARBONS. WILLIAM F. MUEHL, Kansas City, Mo., assignor to Interstate Refineries Inc., Kansas City, Mo., a Corporation of Missouri. Filed July 8, 1921. Serial No. 483,162. 2 Claims. (Cl. 196—3.)



1. An apparatus for converting heavy hydrocarbons into lighter hydrocarbons comprising a source of oil supply, a heat exchanging reflux condensing tower having a casing at its upper end communicating with the top of the tower, tubes in the casing, crown sheets connecting the tubes to provide an oil chamber about the tubes, the oil chamber having an oil inlet at the top and an oil outlet at the bottom, the oil inlet at the top communicating with the source of supply, a pre-heating still, a pipe connected to the outlet for the oil chamber and discharging into the pre-heating still above the normal liquid level thereof, an outlet pipe communicating with the pre-heating still below the normal liquid level thereof and discharging into the tower below the oil chamber, baffles in the tower below the oil chamber over which the oil from the last named pipe flows, a sump at the bottom of the tower, a main still, a pipe communicating

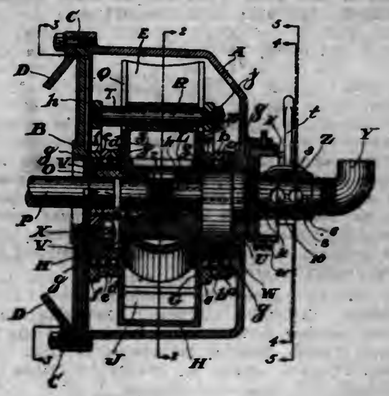
the sump with the main still, a pipe communicating with the main still above the normal liquid level thereof and communicating with the tower above the sump and below the baffles, a vapor conducting pipe connected to the top of the tower above the oil chamber and above the tubes in the oil chamber, a distributor connected to the pipe and located below the liquid level in the pre-heating still, a heat exchanging tower communicating with the pre-heating still, a pipe leading from the top of the last-named tower, and a condenser connected to said pipe.

1,484,959. PRUNER'S COAT. WILLIAM A. MYERS, Riverside, Calif. Filed Mar. 20, 1920. Serial No. 367,550. 4 Claims. (Cl. 2—15.)



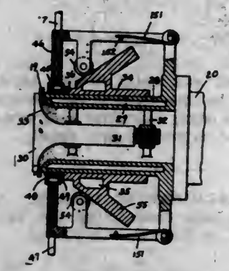
1. A pocket construction for a clipping tool, a coat body, a fabric strip secured at its side edges to a face of said coat body and spaced therefrom, the width of said pocket being restricted adjacent its lower end, and a tool retaining means secured inside of said pocket at its restricted portion.

1,484,960. ROTARY CYLINDER MOTOR. CAID H. PECK, Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 28, 1921. Serial No. 488,062. 3 Claims. (Cl. 121—59.)



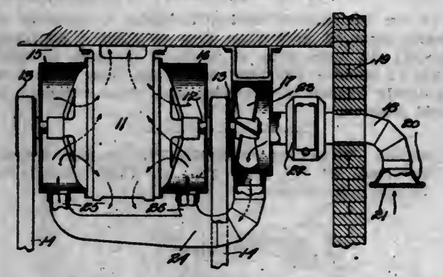
1. A rotary fluid actuated cylinder motor comprising a case or frame, a stationary hollow shaft supported in said case, a rotary sleeve on said shaft, a rotary driving member in the form of a cylinder casing bodily revoluble with said sleeve on said shaft and provided with a plurality of angularly disposed cylinders, the outer ends of the walls of the cylinders being longitudinally slotted at opposite sides for a portion of their length, pistons adapted to reciprocate in said cylinders, wrist pins carried away by said pistons and projecting laterally through the slots in the cylinder walls, stationary eccentrics located within the case or frame at each side of the cylinder casing, one eccentric being formed on the stationary hollow shaft, the rotary sleeve extending through the other eccentric, a plurality of yokes revolubly mounted side by side on each eccentric, there being double the number of yokes for a given number of cylinders, pairs of yokes being connected to the projecting ends of the said wrist pins at each side of the cylinders, a driven shaft extending outwardly from the case or frame in alignment with the said stationary shaft and connected through the agency of said rotary sleeve to be rotated by the rotary cylinder casing, and means operated and controlled by the rotation of the cylinder casing and said rotary sleeve for automatically distributing motive fluid to said cylinders.

1,484,961. MACHINE FOR MAKING GASKETS AND THE LIKE. WILLIS J. PEELLE, Chicago, Ill. Filed June 4, 1923. Serial No. 643,240. 15 Claims. (Cl. 18—12.)



1. In a machine for forming sealing gaskets and the like, the combination of a cylindrical means adapted to contain a mass of rubber-like material in plastic condition, means for laterally extruding a portion of said rubber-like material from said mass in annular form, and means for severing said laterally extruded portion of the rubber-like material to form a sealing gasket.

1,484,962. PROTECTION FOR ELECTRIC MOTORS. GEORGE THOMAS RANDLE, Saylesville, R. I., assignor to Motor Protection Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Oct. 7, 1919. Serial No. 329,114. 11 Claims. (Cl. 172—36.)

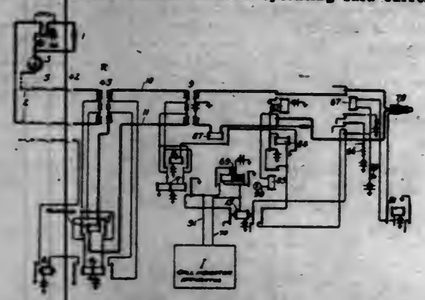


1. The combination with an electric motor of exterior box-like casings applied to and enclosing the opposite ends of the motor, an armature shaft passing from one of said casings, a fan on said shaft, and a conduit for air having branch pipes connected independently and in parallel to the respective casings, said conduit also enclosing and containing said fan.

1,484,963. TELEPHONE-EXCHANGE SYSTEM. ARTHUR RAYNSFORD, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,311. 8 Claims. (Cl. 179—27.)

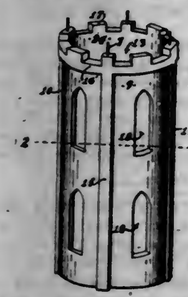
1. In a telephone system, an incoming line, current reversing means associated therewith, a trunk circuit, means associated with said incoming line for applying ringing current to said trunk circuit, a signal for said

trunk circuit, a source of tone, means effective upon the connection of the incoming line to the trunk circuit to trip said ringing current without operating said current



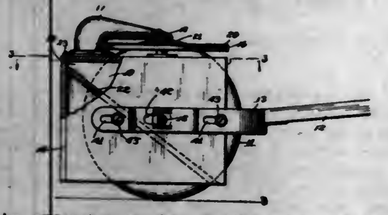
reversing means, and means in said trunk circuit also effective upon the connection of the incoming line to the trunk circuit to apply tone from said source to said incoming line and to actuate said signal.

1,484,964. ILLUMINATING DEVICE. J. BENNEVILLE RHOADS, La Jolla, Calif. Filed Dec. 21, 1922. Serial No. 608,267. 9 Claims. (Cl. 67—22.)



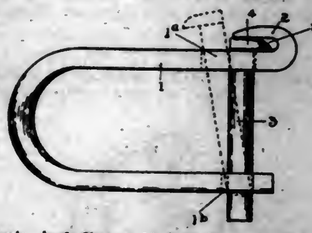
1. An illuminating device, including a plurality of walls arranged around an area to form a miniature tower; the walls being of increased thickness at intervals to resemble pilasters; said walls being formed of a slowly combustible material, and wicks imbedded in said pilasters.

1,484,965. TRACTOR PHONOGRAPH. WARREN RITTER, Brooklyn, N. Y. Filed Feb. 27, 1922. Serial No. 539,365. 6 Claims. (Cl. 46—47.)



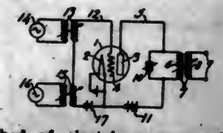
5. An apparatus as characterized comprising a box-like body; a vertical rotary shaft mounted thereon; a turn-table mounted on said shaft; a plurality of carrying wheels supporting said body; an axle fixedly attached to one of said wheels and movable transverse of said body; a handle for manipulating said apparatus operatively connected with said body; means for connecting said handle and said axle for shifting said axle in said body; a plurality of driving members mounted on said axle in spaced relation and at opposite sides of said vertical shaft for engaging said shaft to rotate the same successively in correspondence with the movement of said axle; and means for shifting said axle and said driving members in correspondence with the movement of said apparatus.

1,484,966. CLEVIS. WILLIS G. SAMPSON and OTIS SAMPSON, Hansen, Idaho. Filed July 14, 1921. Serial No. 484,745. 1 Claim. (Cl. 278—96.)



A clevis, including a U-shaped member provided with an oblong hole in the normally upper portion and with an extended turned back straight end portion extending backwardly over said oblong hole approximately one-half the length of said hole and provided with another relatively short hole in the normally lower portion of said U-shaped member, and a pin with a head on one end cut away on one side flush with the side of said pin, said pin being adapted to be inserted in said holes so that the flat side of the head passes the straight end of said extended turned back portion, the head resting between the extended end of said turned back portion and the normally upper portion of said U-shaped member when the pin is turned in said holes.

1,484,967. AMPLIFYING SYSTEM. JOHN C. SCHELLENG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 24, 1920. Serial No. 432,905. 21 Claims. (Cl. 179—171.)



1. The method of electric wave amplification which consists in combining with the given wave to be amplified, a wave of higher frequency in such phase relation that the positive peaks of said given wave occur at substantially the same time as positive peaks of said high frequency wave, and subjecting the combined waves to an amplifying process.

1,484,968. CULVERT. JULIUS H. SCHLAFLY, Canton, Ohio, assignor to The Canton Culvert and Silo Company, Canton, Ohio, a Corporation of Ohio. Filed Nov. 17, 1919. Serial No. 338,491. 8 Claims. (Cl. 137—75.)



1. A sheet metal culvert provided upon its end with an integral tubular bead formed by rolling plural plies of the metal at the end of the culvert upon themselves.

1,484,969. CEMENT DUMP. BERNARD H. SCOTT, Glendale, Calif. Filed Feb. 3, 1923. Serial No. 616,865. 6 Claims. (Cl. 294—69.)

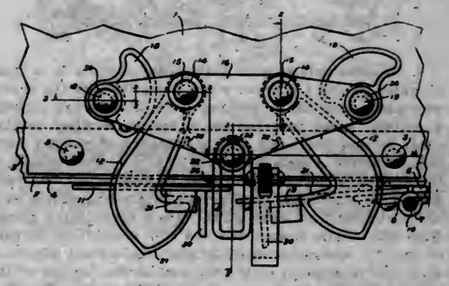


1. In a device of the character described, in combination, an outer casing member, an inner tubular member of less diameter to provide an annular space between said outer and inner members, means holding said inner tubular member in place in said outer member, a closure member around said inner tubular member at the lower end of said outer casing member, a shaft member in said inner tubular member, and means controlled by said shaft and said inner tubular member for holding said closure member in closing position in the lower end of said outer casing member, said means being adapted to be released by the movement of said shaft inwardly.

1,484,970. PROCESS OF MAKING SOUP POWDER FROM PEAS, BEANS, LENTILS, OR THE LIKE. ADOLPH SHERER, Brooklyn, N. Y. Filed Apr. 7, 1922. Serial No. 550,473. 3 Claims. (Cl. 99—11.)

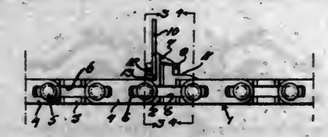
1. The hereindescribed process of making a soup powder from peas, beans, lentils or the like, which consists in immersing them in moist condition in a heated oleaginous material until the moisture is driven off, removing them from said oleaginous material as soon as said moisture is driven off, and pulverizing them.

1,484,971. RAILWAY CAR. ALBA K. SIMMONS, Roanoke, Va., assignor to B. W. Kadel, Baltimore, Md., and John A. Pilcher, Roanoke, Va. Filed Jan. 13, 1922. Serial No. 529,014. 22 Claims. (Cl. 105—308.)



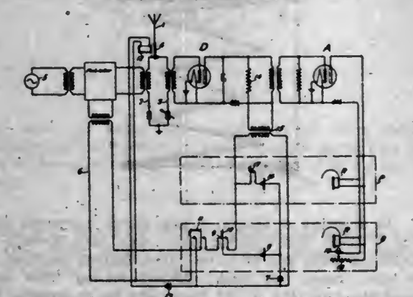
1. A railway car having a door, a door-securing member carried by the car and arranged to support the door in fully closed position, and additional door-supporting means pivotally mounted upon the car for supporting the door in a partly closed position.

1,484,972. CONVEYER-CHAIN LINK. WILLIAM F. SIPPLE, Hazleton, Pa. Filed Nov. 16, 1922. Serial No. 601,226. 4 Claims. (Cl. 198—176.)



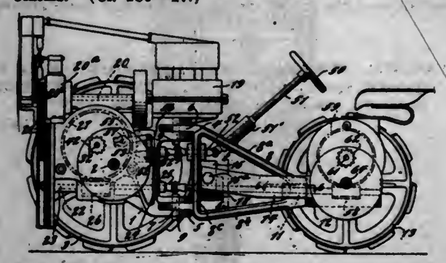
4. A conveyer chain link comprising a body portion having a slot; a lug on the body portion having a hole; a flight on one side of the lug; a bolt passing through the lug adapted to hold the flight, and a shoulder on the other side of the lug for preventing the turning of the bolt.

1,484,973. AIRPLANE INTERPHONE SET. GEORGE H. STEVENSON, Rye, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1919. Serial No. 344,107. 7 Claims. (Cl. 179—2.)



2. A radio receiving system including an amplifier, a local receiving signaling set connected to said amplifier for receiving radio signals, a second local signaling set, said amplifier connecting said signaling sets for two-way communication.

1,484,974. VEHICLE. NORMAN C. STOREY, Rockaway, N. J. Filed Mar. 12, 1919. Serial No. 282,149. 13 Claims. (Cl. 180—17.)



1. A vehicle comprising front and rear trucks and overlapping truss members connecting the two arranged in different planes, the first truss member forming a pivotal connection with the rear truck, and the second truss member forming a pivotal connection with the first named truss member at a point in advance of the first named pivotal connection.

1,484,975. DECOY DUCK. JOHN O. STUBBS, Hickman, Ky. Filed Feb. 27, 1923. Serial No. 621,498. 3 Claims. (Cl. 43—3.)

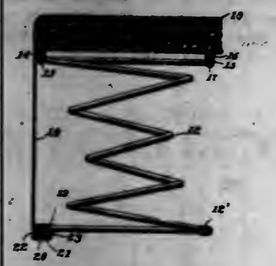
3. A decoy comprising a base of buoyant material having the general outline of a water fowl, said base provided with a recess extending around its upper edge, a

body and head portion composed of two mating halves stamped out of sheet material, and made in the semblance of the body, neck and head of a water fowl, and



arranged to fold outwardly for transportation, or to fold together to form the water fowl, the lower edges of said halves being hinged to the base and arranged to seat in the recess in said base.

1,484,976. SPRING STRUCTURE. DESIRE H. VAN HOVE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Feb. 8, 1922. Serial No. 535,070. 3 Claims. (Cl. 155—180.)



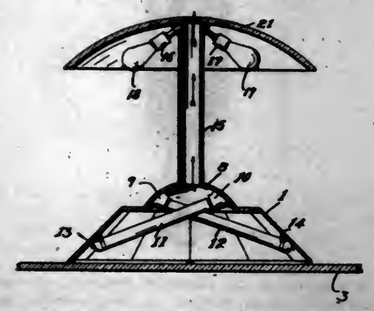
1. In a spring structure, a base frame composed of a strip of sheet metal folded upon itself into S-shape to provide an inner and an outer curve, springs mounted on the base frame, the border springs having their base convolutions located in the inner groove, a covering for the structure including a skirt having its marginal edge fitted in the outer groove, and a U-shaped strip having one flange disposed under the lower wall of the outer groove and having its opposite flange disposed in the outer groove over the lower edge of the outer groove and over the material of the skirt to secure the edge of the skirt in said outer groove, the lower flange of said U-shaped strip having spaced, projecting fingers bent over the open side of the inner groove and over the base convolutions of the border springs fitted in said inner groove.

1,484,977. PNEUMATIC-TIRE DEFLATOR. JULIA P. WARDEN, South Pasadena, Calif. Filed May 31, 1922. Serial No. 564,897. 1 Claim. (Cl. 152—12.)



A pneumatic tire deflator comprising a hollow body adapted to be detachably connected to the valve casing of a tire tube; a boss 4 integral with said body, said boss extending inwardly from the inner wall toward the longitudinal axis of said body and arranged to have an air passage 16 between said boss and the inner wall of said body; and a rod secured to said boss, said rod adapted to open the valve in the casing of the tire tube when said body is attached thereto, said body provided with an air passage 17 that is connected to the air passage 16 so that air from a tube can escape through the passages of said body.

1,484,978. LAMP STAND FOR SHOWCASES. FREDERIC L. WHEELER, Berkeley, Calif. Filed Dec. 26, 1922. Serial No. 608,862. 4 Claims. (Cl. 240—81.)

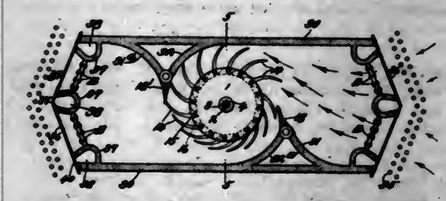


1. A lamp stand having a base, a series of lamps therein, a hollow standard open at top and bottom to allow the heated air to escape therefrom, and lamps supported at the top of said standard.

1,484,979. METHOD OF MAKING INTERMESHING LINKS. CHARLES A. WHITING, Franklin, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed Aug. 1, 1922. Serial No. 579,080. 5 Claims. (Cl. 22—190.)

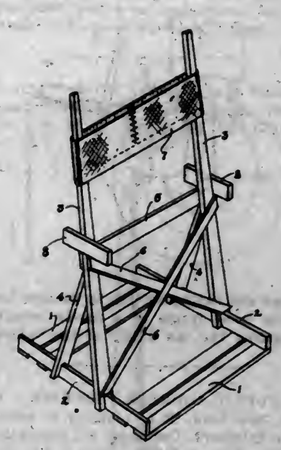
3. The process of making soldered link-mesh which consists in making the mesh from non-solder-core wire, electro-depositing a soldering compound upon the mesh, heating the mesh to cause the compound to flow and then cooling the mesh and thereby hardening the soldering compound which fills the joints in the links.

1,484,980. TURBINE WHEEL. FRANK M. ZOTTOLI, Boston, Mass. Filed June 6, 1922. Serial No. 566,396. 6 Claims. (Cl. 253—14.)



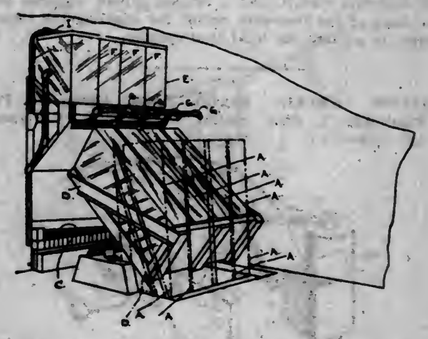
4. In combination with a sluiceway located in a body of water having a current which flows through the sluiceway and which has a varying level at different periods, a turbine wheel mounted on a rotary, vertical driving shaft in said sluiceway, and a plurality of current regulating turbine wheels arranged in a row transversely of the sluiceway between said first turbine wheel and each end of the sluiceway, said current controlling wheels each having blades with hubs which have a diminishing spread from the middle toward the top and toward the bottom, so that the clearance space between the several wheels in each row is greatest at the top and at the bottom of the wheel and diminishes toward the middle, whereby when the level of the water is at the line where the said hubs have the greatest spread there will be offered the greatest resistance to the flow of the water and the resistance will be diminished as the level of the water rises above or falls below said middle line.

1,484,981. SUPPORT. DAYTON C. BRENINGER, Massillon, Ohio. Filed June 24, 1921. Serial No. 480,076. 9 Claims. (Cl. 248—41.)



1. A device of the character described arranged to be temporarily fixed and including spaced uprights, and a cushion comprising an endless belt slidably mounted upon said uprights in a position to permit a person standing erect to lean against said belt, the belt being tightly stretched between the uprights.

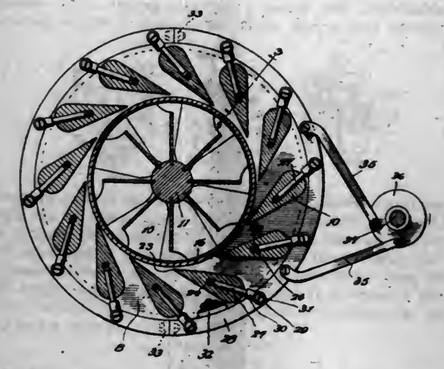
1,484,982. COMBINED DUMPING AND REFILLING MEANS FOR ICE MANUFACTURE. GEORGE B. BRIGHT, Detroit, Mich., assignor to Detroit Ice Machine Co., Detroit, Mich., a Corporation of Michigan. Filed Aug. 21, 1922. Serial No. 583,336. 6 Claims. (Cl. 62—105.)



1. In an ice freezing apparatus, the combination with dumping mechanism for discharging the frozen ice cakes, of a tank filler located above the dumping mechanism to refill the ice cans while they are in engagement with the dumping mechanism.

1,484,983. TURBINE. JOHN C. BRITCHER, York, Pa. Filed May 1, 1923. Serial No. 635,950. 1 Claim. (Cl. 253—122.)

In a turbine, the combination of a rotor, a housing therefor including upper and lower rings spaced apart and defining an opening to admit fluid to the rotor, a plurality of wicket gates pivotally mounted between the said rings and provided with longitudinal sockets opening through their outer ends, a shifting ring encircling



the series of gates, and a plurality of arms slidably engaged in the sockets in the respective gates and having their outer ends pivotally connected with the shifting ring.

1,484,984. SILO OR TANK. OLIVER BRUMBAUGH, Louisville, Ohio. Filed Aug. 17, 1922. Serial No. 582,485. 2 Claims. (Cl. 72—41.)



1. A structure of the character described comprising the combination with a plurality of hollow blocks assembled together to form a wall of channel shaped clips located over the upper end portions of adjacent end walls of each pair of blocks, and provided with shoulders to receive the lower end portions of adjacent end walls of the next tier of blocks.

1,484,985. FINGERING MECHANISM FOR CONTRABASS VIOLS. SÖREN CHRISTENSEN, Copenhagen, Denmark. Filed Feb. 4, 1919. Serial No. 275,004. 8 Claims. (Cl. 84—317.)

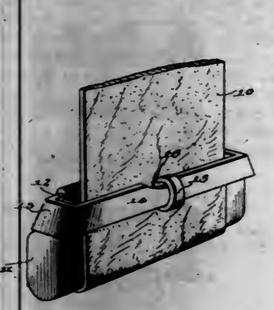
1. In a viol, the combination with a finger-board; of strings extending over said finger-board; and a plurality

of fretting fingers set at definite intervals along said finger-board; and keys, one for each fretting finger, and



each remote from its fretting finger, said keys being located substantially midway of the ends of the finger-board.

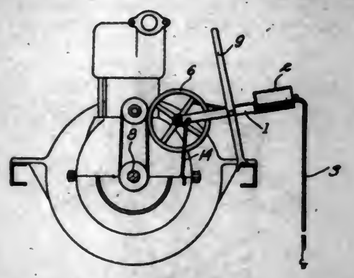
1,484,986. BACKBAND HOOK. JOHN W. CRIM, Columbia, S. C., assignor of one-half to Joseph Norwood, Columbia, S. C. Filed Apr. 14, 1923. Serial No. 632,086. 3 Claims. (Cl. 54—55.)



1. A back band hook including a body in the form of a rectangular frame having tapering walls and forming therein a wedge block receiving space whose larger end opens downwardly, one side of said frame having an outwardly and upwardly curved hook proper and having its upper edge cut away opposite the upper inturned free end of the hook, and a wedge block having a tapering frame entering portion and having an enlarged body portion pendent below the frame when its wedge portion is within the wedge block receiving space of the frame as described.

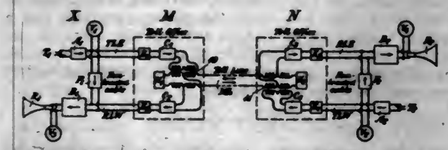
1,484,987. PUMP. WILLIAM C. DODD, Bald Knob, Ark. Filed Jan. 20, 1923. Serial No. 613,979. 2 Claims. (Cl. 230—27.)

1. A device of the class described comprising a frame, an air pump carried thereby, a friction wheel rotatably mounted in the frame and connected with the pump for actuating the same and a yoke-shaped handle connected



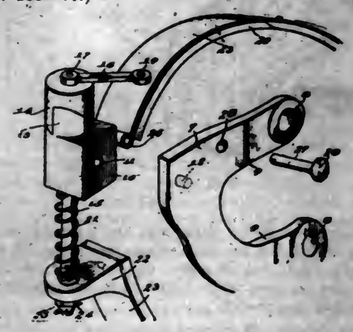
with the frame and having notches in its ends for engaging a part of the hood frame of a motor vehicle to hold the wheel against the fan pulley of the vehicle.

1,484,988. PUBLIC-ADDRESS CIRCUITS. HAROLD S. HAMILTON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 9, 1923. Serial No. 618,072. 6 Claims. (Cl. 179—1.)



1. A public address system for the two-way interconnection of distant auditoriums comprising a toll circuit interconnecting two distant toll offices, a four-wire circuit from each toll office to the associated auditorium, a transmitter connected to one line of the four-wire circuit, a loud speaking receiver connected to the other line of the four-wire circuit, and a by-pass circuit between the two lines of the four-wire circuit for enabling the transmitter to actuate the local loud speaker.

1,484,989. BRAKE. HARVEY HAWK, Grampian, Pa. Filed Apr. 7, 1923. Serial No. 630,522. 4 Claims. (Cl. 188—77.)



3. In an emergency brake for the rear wheels of an automobile, a bracket adapted to be secured in a fixed position, a cam member pivotally mounted on the bracket and provided with a central passage, a shaft mounted for rotation in the passage in the cam member and provided with a cam member in cooperative engagement with the first-mentioned cam, means fro rotating the shaft, a

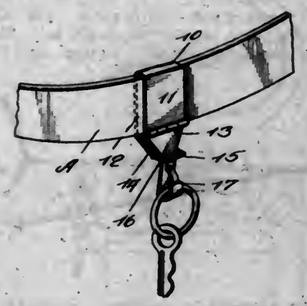
brake band having one end pivotally mounted on the bracket and its other end connected with the shaft in such a manner as to permit rotation of the shaft in said end of the brake band, and a resilient means for maintaining the cam members in cooperative engagement.

1,484,990. CANT HOOK. JOHN VIRGIL HOGANS, Argyle, Fla., assignor of one-half to Joe Hayes, Newark, N. J. Filed Dec. 15, 1922. Serial No. 607,170. 2 Claims. (Cl. 294—17.)



1. A cant hook including a staff having a groove therein, a dog pivotally mounted on the staff, an arm pivotally mounted within the groove and having its free end bearing against the outer face of the dog to urge the latter inwardly toward the staff, one end of the arm extending into the groove, and a spring connected to the extension and staff.

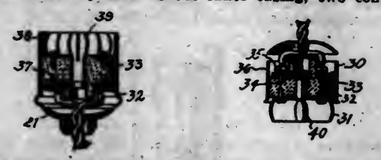
1,484,991. KEY RING. DOMINA C. JALBERT, Woonsocket, R. I. Filed May 9, 1923. Serial No. 637,768. 2 Claims. (Cl. 24—3.)



1. A key-ring of the character described comprising a U-shaped member adapted to embrace a belt and having one leg thereof extending below the other, the short leg having a hasp hinged thereto, this hasp having engagement with the long leg, the extremity of the hasp being formed with a snap hook.

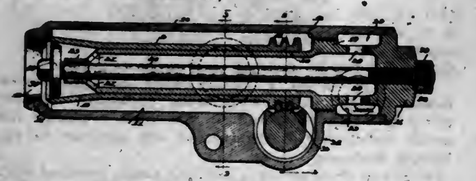
1,484,992. ELECTRIC SWIVEL SOCKET. KENJI KIJIMA, Los Angeles, Calif. Filed Jan. 31, 1921, Serial No. 441,361. Renewed Jan. 24, 1924. 3 Claims. (Cl. 173—324.)

1. In an electric swivel socket, the combination with an outer telescoping casing, a lining therefor of insulating material, an inner insulating member relatively fixed to the casing, and two contact members, constituting, respectively outer and inner concentric and flexible shells completely enclosed within the casing and its lining of insulating material, comprising a plurality of outwardly yielding spring fingers formed with inwardly projecting extremities, of an inner telescoping casing and lining therefor of insulating material, a second inner insulating member relatively fixed to the inner casing, two contact



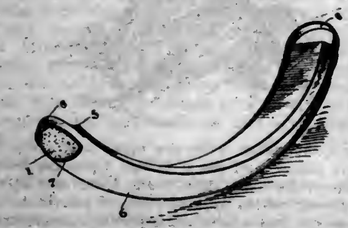
members carried by the inner insulating member engaging with the yielding fingers of the outer contact members, an annular flange on the inner casing and disposed within the outer casing, a knurled flange on the inner casing and disposed without the outer casing, a detachable ring on the outer casing and disposed between the flanges on the inner casing, and screws securing the detachable ring to the outer casing.

1,484,993. OIL BURNER. GEORGE BAUMAN LEAR, Shreveport, La. Filed Nov. 1, 1922. Serial No. 598,450. 5 Claims. (Cl. 158—75.)



1. A burner including a cylindrical casing having a steam inlet and having a main bore and an oil inlet opening into said bore, said casing having a reduced outlet at one end, a steam tube detachably mounted axially of and within the casing and closing its opposite end, said tube having a steam receiving aperture in communication with the steam inlet of the casing and having its opposite end in fixedly spaced relation to the outlet end of the casing, a regulating sleeve slidably mounted on the steam tube within the main bore of the casing and having one flared end into which the steam tube discharges, movable toward and away from the reduced discharge end of the casing, means for shifting said regulating tube, and a spreader within the flared end of the regulating tube.

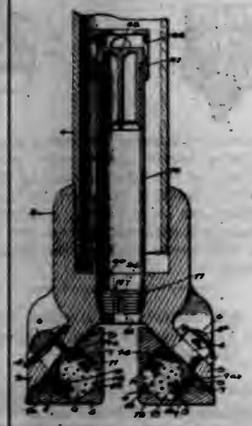
1,484,994. TIRE-RETREADING CORE AND METHOD OF FORMING THE SAME. JOHN L. MAGUIRE and LANTA C. WEESE, Elkins, W. Va. Filed July 19, 1922. Serial No. 575,983. 4 Claims. (Cl. 18—45.)



4. As an article of manufacture, a core for use in retreading tires comprising a solid body arcuate in form and made of a flexible resilient material, said body having concentric inner and outer walls, the outer wall thereof being arcuate in cross sectional contour and the inner wall thereof having a flat portion extending along

the longitudinal median line thereof and oppositely inclined portions merging the flat portion into the outer wall, and a facing of fabric secured to the body and having loop portions at the ends thereof forming handles for the body.

1,484,995. ROLLER CORE DRILL. JEFFERSON DAVIS PACE, Shreveport, La. Filed Nov. 30, 1921. Serial No. 518,851. 4 Claims. (Cl. 255—71.)



1. A drill having a rotary cutter recessed bearing means for the cutter with radial openings, and shot mixed with grease packed in the recess rendering the grease mobile for penetration of the openings to the bearing surfaces.

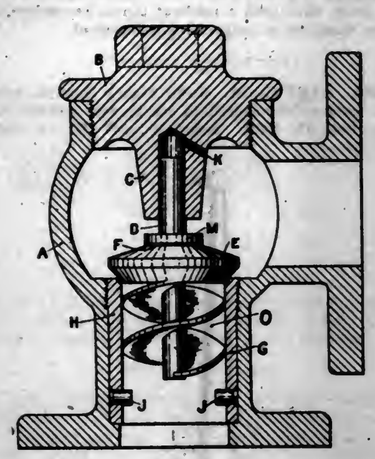
4. A well drill having a coupling sleeve provided with a tapering opening having an annular shoulder formed by a smaller opening which enters the large part of the tapering opening, a core sample tube fitted into the smaller opening, gripper slips situated in the tapering opening each having a depression forming a circular groove when the slips are assembled, and resilient means fitted in said groove to keep the slips together said means extending above the surface of the slips so as to make contact with the wall of the tapering opening and thereby insure a prompt closure of the slips upon a downward motion in said opening.

1,484,996. GRAIN-SCATTERING-PREVENTING DEVICE FOR GRAIN BINDERS. OSCAR E. PAULUS, Harvard, Nebr. Filed June 24, 1922. Serial No. 570,563. 6 Claims. (Cl. 56—472.)



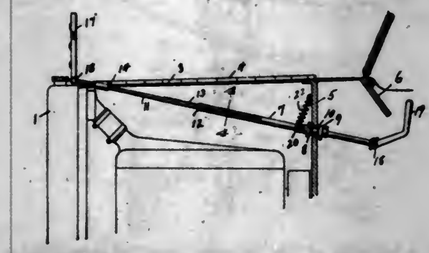
1. The combination with the upper and lower decks of a grain binder, and check springs depending from the lower edge of the upper deck to the lower deck of a supporting frame carried by and disposed and held in parallelism to the upper deck, and a yieldable grain straightening arm supported on the upper end of said frame and extending downwardly from the upper edge portion of the upper deck toward the upper surface of the lower deck and disposed in contact therewith rearwardly of the check springs, thereby acting to straighten the grain during its passage to the check springs.

1,484,997. VALVE. LEWIS JAMES ROSSITER, Erskineville, New South Wales, Australia. Filed July 10, 1922. Serial No. 573,876. 1 Claim. (Cl. 251—129.)



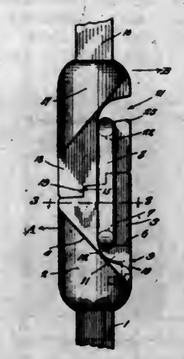
In a non-return valve the combination of a body having an inlet opening at one end, an outlet opening at one side and a chamber having a downwardly projecting tubular guide, a cylindrical seat-bush fitted in said inlet opening, a valve in said chamber having a guiding element at one side arranged in said seat bush and connecting helical blades forming a helical passage therebetween open at the ends, said valve having a stem on the upper side slidably and rotatably engaging in the bore of said tubular guide, said helical blades and passage causing liquid flowing through the inlet opening axially of said helical blades to impart rotary movement to the valve as the latter is lifted from said seat, and a floating washer loosely fitted on said stem and arranged between the valve and the tubular guide, the opposing ends of the valve and said guide being plane.

1,484,998. DIRECTION INDICATOR FOR AUTOMOBILES. HARRY C. SALLAC, St. Louis, Mo. Filed Mar. 16, 1923. Serial No. 625,661. 1 Claim. (Cl. 116—51.)



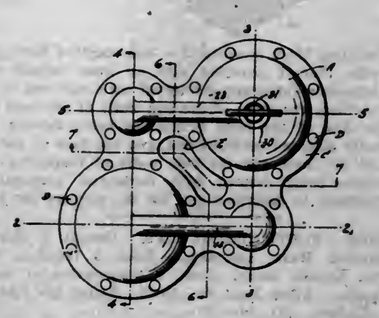
In a direction signal for motor vehicles, a hollow telescopic rod arranged at an inclination through the engine compartment of the vehicle and terminating in juxta-position to the operator's seat thereof, a second rod keyed to the tubular rod and passing through the top of the engine hood at a point adjacent the radiator thereof, an illuminated indicator affixed to the end of the second rod and being arranged to swing in a vertical plane, a collar surrounding the tubular rod in fixed relation thereto, oppositely disposed arms extending from the collar, a bracket secured to the vehicle and springs having their ends secured to the respective arms and bracket respectively for the purpose specified.

1,484,999. ROD COUPLING. CHARLES STEINER, Bristow, Okla. Filed Feb. 3, 1923. Serial No. 616,752. 2 Claims. (Cl. 287—103.)



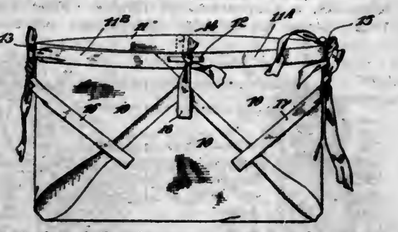
2. In a device of the class described, upper and lower coupling members, each including a head and a thinned fin, and a link pivotally mounted in the fin of the lower member and extended about the fin of the lower member, the head of the lower member constituting a shoulder on which the link is adapted to rest when said members are separated, the fin of the upper member being provided in one edge with an opening for the reception of the link, and the fins of the upper and lower members being supplied at their meeting ends with coacting longitudinal abutments.

1,485,000. PRESSURE-REDUCING REGULATING VALVE. ELMER R. WILLIAMS, Springfield, Mo. Filed Nov. 26, 1921. Serial No. 517,876. 7 Claims. (Cl. 50—11.)



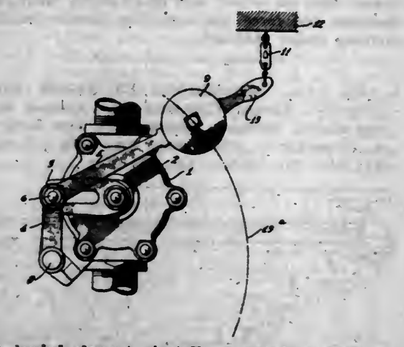
1. A regulator comprising a receiving high pressure chamber and a discharging low pressure chamber, a valve controlling communication between the two chambers, a diaphragm extending across the discharging low pressure chamber, the low pressure chamber having an outlet opening, a valve operated by said diaphragm and seating against the outlet opening, and a lever operatively connected at one end to the diaphragm and the second-named valve and at its other end to the first named valve whereby the first named valve will be held closed by a predetermined pressure within the low pressure chamber acting on said diaphragm but will be opened upon a decrease in pressure in the low pressure chamber, the second named valve closing the outlet opening upon a predetermined reduction in pressure in the low pressure chamber.

1,485,001. WEARING APPAREL. CHARLES M. WILLS, Atlantic City, N. J. Filed Nov. 19, 1921. Serial No. 516,261. 1 Claim. (Cl. 128—284.)



In a device of the character specified, in combination, a triangular body portion, a waist band carried by the body portion, a loop carried by the waist band at approximately one angle of the body portion, two loops carried by the waist band each approximately one-quarter inwardly distanced from an angle of the body portion, a band carried by the end portion of the body portion opposite the waist band capable of being inserted through the first mentioned loop when the device is folded and a band carried by each side of the body portion not attached to the waist band capable of being inserted through one of the second mentioned loops when the device is in folded position.

1,485,002. METHOD OF OPERATING MECHANISM BY GRAVITY. WYLIE G. WILSON, Jersey City, N. J., assignor to Loose Seat Valve Company, a Corporation of Delaware. Filed Sept. 22, 1922. Serial No. 589,738. 4 Claims. (Cl. 137—162.)

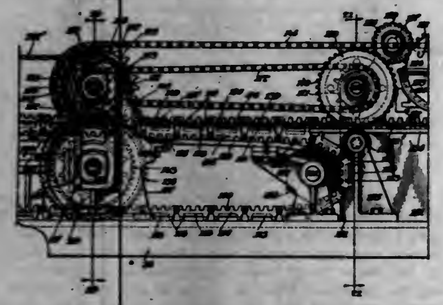


4. A loaded element pivotally mounted to move in a circular path traversing a vertical plane so that when said loaded element is raised adjacent the highest point of the circle and released it will fall in the power of natural forces and come to rest after an oscillatory movement about the lowest point in said circle, in combination with a bifurcated lever mounted on an axis parallel with that of said loaded element, a stud carried by said loaded element adapted to reciprocate within said bifurcated lever as the loaded element passes through a predetermined segment of its circular movement and to move said lever through a segment of a circle, with means consisting of a fusible link adapted to support said loaded element in a predetermined position.

1,485,003. HIGH EXPLOSIVE. CLIFFORD A. WOODBURY, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 14, 1922. Serial No. 529,400. 11 Claims. (Cl. 52—11.)

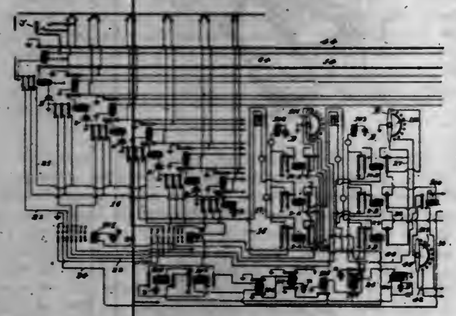
1. An explosive mixture containing as one ingredient a product obtainable by the direct nitration, with mixed nitric and sulfuric acids, of a hydrocarbon of the olefine series containing from two to four carbon atoms.

1,485,004. MACHINE FOR MAKING BOXES. JACOB P. WRIGHT, Barberton, and CHARLES F. WRIGHT, Akron, Ohio, assignors to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 15, 1922. Serial No. 607,061. 26 Claims. (Cl. 93—44.)



1. The combination with means for successively feeding box blanks, of a die conveyer comprising an endless chain of chambered links having a run extending from and travelling in the same direction as the blanks, each of said links being constructed to receive and support a blank delivered thereto by the feeding means, a former conveyer comprising an endless chain of links having a run mounted to travel adjacent to and in the same direction as the said run of the die conveyer, and having also former bars arranged in co-operative relation to the chambers of the die conveyer, and means for concurrently impelling the said runs of the two conveyers in such a manner that the former bars progressively enter the said chambers and force the succeeding blanks thereinto in partially folded condition.

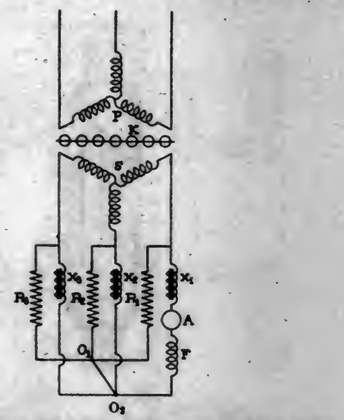
1,485,005. TELEPHONE-EXCHANGE SYSTEM. JOSEPH L. WRIGHT, Cleveland, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation. Filed Aug. 12, 1916. Serial No. 114,516. 12 Claims. (Cl. 179—27.)



1. In a telephone exchange system, the combination with a plurality of primary trunks, of a plurality of secondary trunks arranged in groups for interconnecting with said primary trunks, a switch common to all of the groups of secondary trunks and for determining a particular group of secondary trunks to be used, a relay individual to each group of secondary trunks, said relay controlled through said switch for determining the individual trunk to be used in said group for interconnecting with said primary trunks.

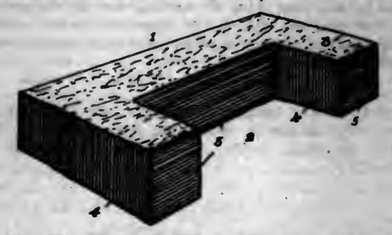
1,485,006. INDUCTION SYNCHRONOUS MOTOR. TADAOKI YAMAMOTO, Tokyo, Japan. Filed Mar. 2, 1923. Serial No. 622,392. 3 Claims. (Cl. 172—120.)

1. An alternating current motor comprising in combination an induction machine, a series wound machine connected mechanically to the said induction machine, a reactor of high inductance in the secondary circuit of the said induction machine, a high resistance in parallel



to the said reactor, the said series wound machine being connected in series with the said reactor but in parallel to the said high resistance.

1,485,007. BUILDING BLOCK. WILLIAM A. ZAHN, Pittsburgh, Pa. Filed Mar. 31, 1922. Serial No. 548,326. 1 Claim. (Cl. 72—39.)



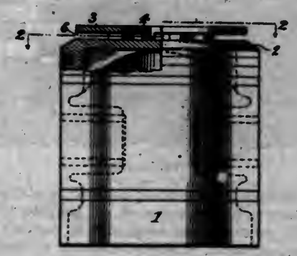
A building block comprising a body portion having one side edge thereof provided with an inset formed by a body extension integrally connected with each end of said body portion, the faces of the end walls of the said body portion and of the body extensions being formed with vertically disposed corrugations, and the face of the side wall of the inset and the side walls of respective body extensions being formed with horizontal corrugations, substantially as described and for the purpose set forth.

1,485,008. FLUTE ORGAN PIPE. GEORGE J. ZIMMER, Waltham, Mass., assignor to Hook & Hastings Company, Kendal Green, Mass., a Corporation of Massachusetts. Filed June 10, 1922. Serial No. 567,272. 11 Claims. (Cl. 84—39.)



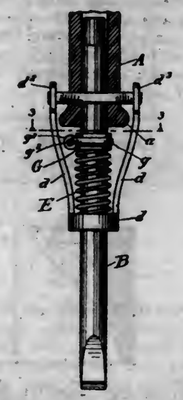
6. An organ pipe having a mouth, means for directing a wind sheet across said mouth including a tubular conduit of pliable material having an end portion provided with a discharge orifice located externally of the pipe to be adjusted relatively to said mouth by bending to produce a desired tonal effect.

1,485,009. PREHEATING PISTON FOR INTERNAL-COMBUSTION ENGINES. CARL ALTENBURGER, Morristown, N. J. Filed June 17, 1921. Serial No. 478,224. 4 Claims. (Cl. 74—108.)



1. In a piston for an internal combustion engine, means supported from the crown of said piston adapted to increase the area of heat-radiating surface exposed directly to the explosive gas and comprising a metallic plate integral with said piston-crown and a chamber between said plate and said crown in communication with the cylinder above the piston.

1,485,010. TOOL HOLDER FOR PNEUMATIC HAMMERS. JESSE EUGENE ASH, Silver Grove, and JOHN MARSHALL CROWE, Covington, Ky., assignors to said Crowe and Louis K. De Bus, Cincinnati, Ohio. Filed Sept. 11, 1919. Serial No. 323,087. 4 Claims. (Cl. 121—32.)

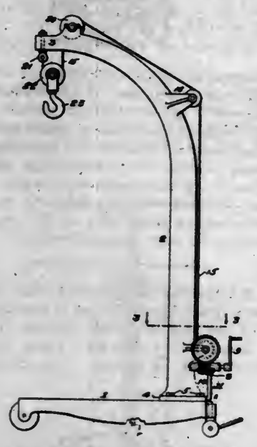


1. In an article of the class described the combination of a tool, an abutment consisting of a section of elastic tubing, and a clamp adapted to clamp the tubing around the tool.

4. In a tool holder for pneumatic hammers the combination of a bracket, a split ring, a collar and means for securing the collar upon the tool, the bracket comprising a collar and spring arms with apertures in the ends, and the split ring comprising semicircular bands with ends adapted to be seated in the apertures in the arms, and a coiled spring surrounding the tool between the collars.

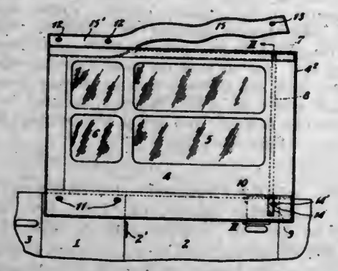
1,485,011. FLOOR CRANE. WILLIAM R. BEATTY, Hammond, Ind. Filed Jan. 14, 1922. Serial No. 529,222. 1 Claim. (Cl. 212—142.)

A floor crane comprising a base, a standard rigid upon said base and extending upwardly and having its upper end portion curved to provide an overhanging upper end portion, bearings extending from opposite sides of the lower portion of said standard, a drum positioned between said bearings and having a shaft rotatably mounted in said bearings and extending beyond one of the bearings, a worm gear carried by the extended end of the shaft of said drum, a web extending from the lower portion of said standard, arms extending from said web and terminating in bearings positioned beneath said worm gear, a drive shaft rotatably mounted in the lower



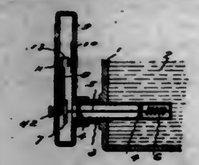
bearings, a worm carried by said drive shaft between the lower bearings and engaging said worm gear to rotate said drum when the drive shaft is turned, a depending eye at the upper free end of said standard, guiding pulleys carried by said standard at points intermediate its length, a cable wound upon said drum and carried upwardly in engagement with the guide pulleys and connected with said eye, and a hook carrying pulley block upon said cable between the eye and first guide pulley.

1,485,012. AUTOMOBILE INCLOSURE. GEORGE E. BISHOP, Cleveland, Ohio. Filed Jan. 9, 1922. Serial No. 527,963. 2 Claims. (Cl. 296—139.)



2. In an automobile inclosure adapted to be mounted upon the automobile door, the combination of suitable curtain fabric; fabric strengthening means disposed adjacent the upper edge of the fabric; a supporting member pivotally connected to said strengthening means intermediate of the ends of the latter so as to permit a rocking movement of said strengthening means upon said support; and fabric-tensioning means consisting of cooperating button elements respectively secured to the fabric and the automobile door or other support, whereby the upper edge of the inclosure may be held in its proper horizontal relation to the door.

1,485,013. MEANS FOR INDICATING LOAD CONDITIONS OF TRANSFORMERS. HENRY J. BLAKESLEE, Hartford, Conn. Filed Dec. 29, 1921. Serial No. 525,812. 7 Claims. (Cl. 73—118.)



1. The combination with a transformer of a device for indicating the load conditions of the transformer, which device comprises a casing inserted in the walls of the transformer casing and containing inside the transformer casing thermal means responsive to temperature changes and containing outside the transformer casing thermal means responsive to temperature changes, said thermal means being designed to act oppositely to each other, and indicating means responsive to the resultant of the opposing actions of said thermal means.

1,485,014. MAGNETO ACCELERATOR. STUART BERTRAM BOOTY, East Perth, Western Australia, Australia, assignor of one-half to James Absalom Turner, Perth, Western Australia, Australia. Filed Feb. 24, 1921. Serial No. 447,605. 6 Claims. (Cl. 123—149.)



1. In a device of the character described, the combination with a notched member adapted to be attached to a magneto spindle, of a pawl member pivoted intermediate of its ends and having at one end a pawl adapted to be moved into engagement with the notched member thereby to prevent it from turning, the opposite end of said pawl member having a cam face, a driving member adapted to be connected to the magneto shaft, a spring connection between said driving member and notched member, a spring connected to the pawl member and co-operating with the cam face to hold the pawl normally out of engagement with the notched member, means co-operating with said spring by which the pawl member is thrown into operative position, and means to disengage the pawl from the notched member.

1,485,015. CLAMP FOR CURTAIN STRETCHERS. ARTHUR J. BROSEY, Chicago, Ill. Filed Mar. 19, 1920, Serial No. 367,161. Renewed Mar. 26, 1923. 5 Claims. (Cl. 24—200.)



2. A curtain supporting clamp comprising opposed jaw limbs, a plurality of segmental plates pivoted at their geometric centers to the end of each of said limbs with their curved edges presented inwardly, said segments being adapted to be fanned out more or less to present curved inner edges conforming with the curvature of the curtain edges to be stretched, and means for forcing said jaw limbs together.

1,485,016. GIB FOR SLIDES FOR MACHINE TOOLS AND OTHER MECHANISM. FORREST E. CARDULLO and CHARLES T. HUMMEL, Cincinnati, Ohio, assignors to The G. A. Gray Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 13, 1923. Serial No. 651,251. 9 Claims. (Cl. 74—84.)



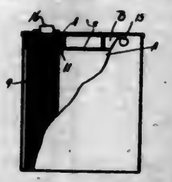
1. In combination, a guiding member, a sliding member movable thereon, a wedge-shaped gib adapted to draw the said sliding member into snug sliding contact with the said guiding member, a screw adapted to limit the retraction of the said gib, and means adapted to wedge the said gib more firmly into place.

1,485,017. TORPEDO-TESTING APPARATUS. JACOB M. COHEN, Washington, D. C. Filed Dec. 19, 1919. Serial No. 346,193. 2 Claims. (Cl. 234—29.5.)



2. The herein described method of measuring speed and deflection of torpedoes which consists in shooting a torpedo in a straight line along a range parallel to a series of hydrophones adapted to receive and transmit the vibrations produced by the moving torpedo to a chronograph provided with a moving tape upon which said vibrations are recorded to graphically indicate the speed and deflection of said torpedo.

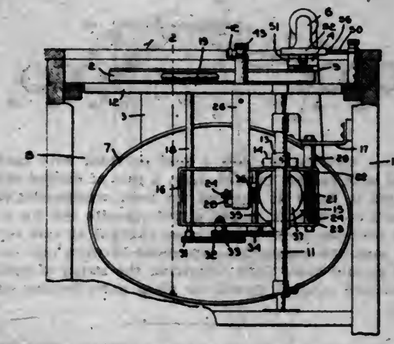
1,485,018. TANK CARBURETOR. HARRY DALTON, Sr., Philadelphia, Pa. Filed May 21, 1921. Serial No. 471,375. 5 Claims. (Cl. 261—104.)



1. In a device of the character described, a supply tank, a plurality of channels positioned in the upper portion of the tank, a series of wicks suspended from the channels, said wicks being spaced apart, a baffle through which said wicks pass, said baffle dividing the tank into an upper and lower compartment, and means for causing a current of air to flow through the channels whereby the surfaces of the wicks above the baffle will be swept by said air.

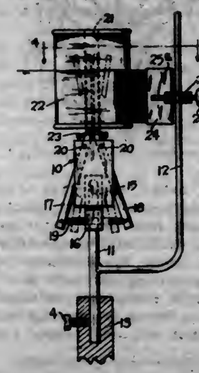
1,485,019. REPEATER FOR TALKING MACHINES. JOHN J. DEWEY, Quechee, Vt. Filed Dec. 21, 1921. Serial No. 523,880. 6 Claims. (Cl. 274—15.)

1. In a talking machine, the combination with a revolving table, of means to rotate the same, a horizontally-swinging horn, a reproducer carried thereby, a vertical shaft on which the horn is mounted, a device acting on the shaft to raise the latter and the horn thereby to clear the reproducer from the record and to return said reproducer to position to begin playing the record and then to lower the shaft and horn to bring the reproducer back onto the record again, means for actuating said device including a friction wheel adapted to frictionally engage and be driven by the revolving



table, means normally holding the friction wheel out of driving engagement with the revolving table and means operative at the end of the record to establish a driving connection between the wheel and the revolving table.

1,485,020. SPOOL SUPPORT. JAMES T. DOWDALL, Glen Morris, N. Y. Filed Jan. 10, 1923. Serial No. 611,706. 9 Claims. (Cl. 242—134.)



1. In a device of the character described, a vertically disposed post member, a pair of gripping members pivotally associated with said post member and adapted to hold a spool, an arm projecting from said post and extending parallel to said gripping members, and means on said arm for engaging the periphery of said spool to prevent the dropping off of thread strands from said spool.

1,485,021. PROCESS OF DISINFECTING SEEDS AND COMPOSITION THEREFOR. MAX ENGELMANN, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,790. 18 Claims. (Cl. 167—3.)

1. The process of disinfecting seeds which comprises subjecting the seed to the action of a solution of an organic compound of mercury containing a basis nitrogen atom, the mercury being attached directly to said nitrogen atom.

4. The process of disinfecting seeds which comprises subjecting the seed to the action of a solution of a mercury derivative of an organic compound having an acyl group and an NH: group, the mercury being attached directly to the N-atom, said solution containing also from about 1% to 100% of the hydroxide, carbonate, or bicarbonate of an alkali-metal based upon the weight of the mercury compound present.

10. A composition for disinfecting seeds comprising a water solution containing an alkaline-reacting substance and a mercury derivative of an organic compound containing an acyl group and an NH: group, the mercury being attached directly to the N-atoms of two organic radicals which are unconnected except through the mercury atom.

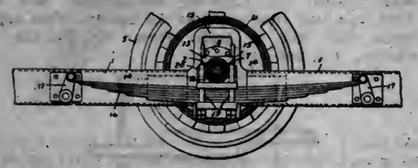
18. A composition for disinfecting seeds comprising a water solution containing an alkali and from about 0.05% to 1% of a mercury derivative of acetamide.

1,485,022. COMPRESSOR. DOUGLAS F. FESLER, Evanston, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company, a Corporation of Delaware. Filed Dec. 19, 1919. Serial No. 346,098. 6 Claims. (Cl. 221—79.)



1. A compressor comprising a barrel having a detachable elongated cap, a screw-threaded piston rod, a piston on one end of said rod comprising a cup leather, a cup in said cap for receiving and compressing said cup leather and for sealing the joint between said barrel and said cap, and a screw-threaded sleeve extending through the end of said cap for controlling the movement of said piston and for securing said cup to said cap.

1,485,023. MOTOR-VEHICLE AXLE. EDWIN FRANKLAND, Pontiac, Mich. Filed Mar. 9, 1922. Serial No. 542,448. 1 Claim. (Cl. 180—75.)

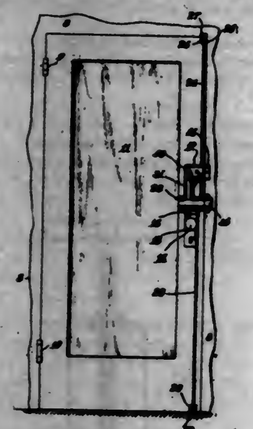


An axle comprising a dead axle member having tubular end portions with flanged inner ends and a center portion with flanged ends, live axle members arranged respectively within said end portions, independent gear trains for driving said live axle members, and housings for said gear trains to which said flanges of the dead axle member are secured, said housings connecting the tubular and middle positions of said member.

1,485,024. DOOR-SECURING MECHANISM. EDWARD E. GAGE, New York, N. Y. Filed Feb. 26, 1920. Serial No. 361,299. 13 Claims. (Cl. 70—24.)

1. In a door locking mechanism the combination of a key operated lock, a shiftable securing bolt, means for

shifting said bolt into locked and unlocked position, a locking member associated with the securing bolt and adapted to engage therewith for locking the securing bolt against movement, manual releasing means connected with the locking member and normally operative to release the same from engagement with the securing bolt, connections from the key operated lock to the locking member operative to retract the locking member from

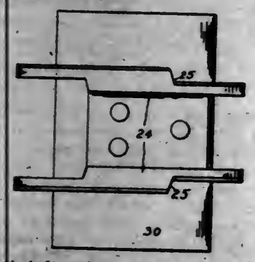


locking engagement with the securing bolt and said manual releasing means and said lock being co-related and formed whereby the key operated lock is capable of rendering the manual releasing means inoperative when said lock is in locking position whereby the locking member may be retracted only upon the operation of the key operated lock, substantially as described.

1,485,025. COMPOUND FOR AND METHOD OF TREATING METALS. MATTHEW GREEN, Detroit, Mich., assignor to Parker Rust-Proof Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 28, 1921. Serial No. 503,933. 6 Claims. (Cl. 148—6.)

1. A compound for treating metals embodying phosphoric acid and a reducing agent, said phosphoric acid being present in a relatively large amount, sufficient to act in conjunction with the reducing agent to remove rust and to at the same time rust-proof the metal.

1,485,026. UNIT FOR TRACK BELTS. EDWARD GRUBER, Lyndhurst, Ohio. Carved out of application on which Patent No. 1,359,499 was granted Nov. 23, 1920, and filed after grant of the patent. This application filed Mar. 8, 1922. Serial No. 542,119. 3 Claims. (Cl. 305—10.)



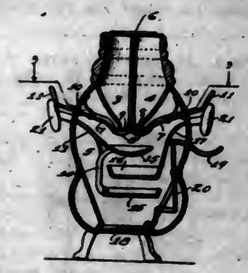
1. In a track belt unit, a shoe, a central rail member having a bottom secured to said shoe and bent up sides forming rails, said rails having flanges extending therefrom, and side rail members secured to the sides of said central rail member supporting the flanges extending therefrom.

1,485,027. BEAD-CLAP BASE. CHARLES GRUNBAUM, Philadelphia, Pa. Filed May 4, 1922, Serial No. 558,496. Renewed Oct. 10, 1923. 7 Claims. (Cl. 63—2.)



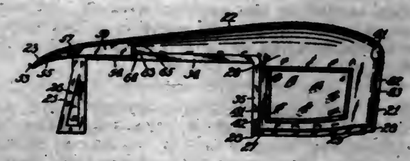
1. In a necklace, a clasp, a cord provided with beads secured with respect to said clasp, a pair of sleeves each of which is flared at one end for bead accommodation, and each of which is shaped at its opposite end for engaging over the parts of said clasp engaged by said cord and a separable connection interposed between and connected to said bases for maintaining the string of beads in connected relation should the clasp parts become separated.

1,485,028. COMBINATION SALT AND PEPER DEVICE. MAY CHRISTIENA GUNTER, New York, N. Y. Filed May 1, 1923. Serial No. 635,931. 1 Claim. (Cl. 65—45.)



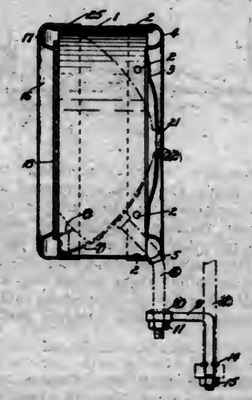
In a condiment holder, comprising a body having salt and pepper compartments therein, means for normally closing the discharge from said compartments, means for opening discharge from said compartment, a series of sifters positioned below the discharge opening of said compartments for mixing the salt and pepper during passage therethrough, a trap door positioned in the bottom of said holder, and means for opening said trap door to discharge the mixed salt and pepper therefrom.

1,485,029. METALLIC MOTOR-VEHICLE TOP. JOHN HAMLIN, Muncie, and TOIVO MAKELA, Indianapolis, Ind. Filed Feb. 6, 1922. Serial No. 534,411. 2 Claims. (Cl. 296—102.)



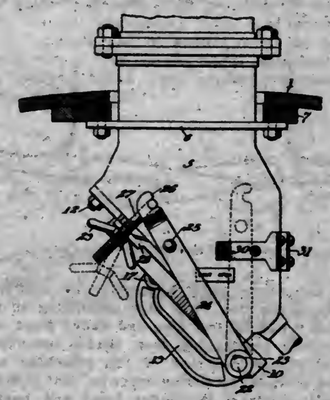
1. In a metallic motor vehicle top, the combination with a vehicle body, and a wind shield at the forward portion of the body, of a top comprising a metallic roof and sides and a back connected together and to the roof, the sides and the back being secured to said body, a receptacle bottom arranged under the forward portion of said roof and extending over said wind shield and connected at its forward end to the forward end of the roof, said bottom having side walls extending up to said roof and being secured thereto, and a door hinged to the rearward end of said bottom and provided with means to latch it to said roof.

1,485,030. AUTOMOBILE HEADLIGHT. RAYMOND C. HANCOCK, St. Louis, Mo. Filed Mar. 9, 1923. Serial No. 623,900. 1 Claim. (Cl. 240—41.)



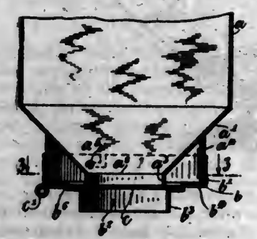
An improved transformed automobile headlight, comprising an external barrel-lamp casing; front and rear beaded-heads for said external casing; means for detachably securing the front head in place; a smaller lamp-casing and its reflector located within said outer casing; a glass in the front of said outer-casing; screws threaded through bearings formed in the rear head of said outer casing, so that the inner ends of said screws engage and press forwardly the inner smaller casing and thereby clamp said glass in direct contact with the inner annular-margin of the bead on the said front head, and between the latter and the reflector of said smaller inner casing; a bracket-bearing formed in the lower portion of the bead of said rear head and a bracket-arm mounted in said bearing and extending therethrough into said outer casing and having its upper end secured to the back of the inner smaller casing.

1,485,031. SAFETY QUICK-CLOSING VALVE. HOWARD H. HOFFMAN, Fairfield Beach, Conn., assignor to The Lake Torpedo Boat Company, Bridgeport, Conn., a Corporation of Maine. Filed May 11, 1921. Serial No. 468,558. 5 Claims. (Cl. 251—125.)



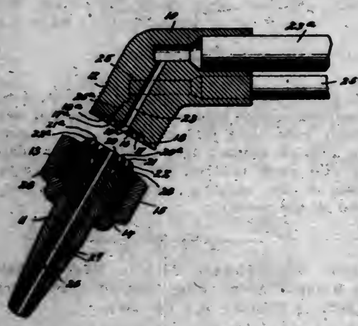
1. A valve adapted to close quickly for safety purposes, comprising a casing within which the aftermentioned valve disk operates, a valve seat member having a valve seat extending into the casing, a valve disk bodily movable within the casing toward and from the valve seat, linkage connecting the valve disk and seat member and arranged outside of the casing, a valve-operating mechanism connected with the linkage, means to releasably hold the valve disk to open position and permit the valve disk to close when said disk is subjected to abnormal pressure, and means to lock the disk in closed position.

1,485,032. FLOUR BOX. HENRY E. JANES, Pelham Manor, N. Y. Filed Jan. 18, 1923. Serial No. 613,553. 3 Claims. (Cl. 45—16).



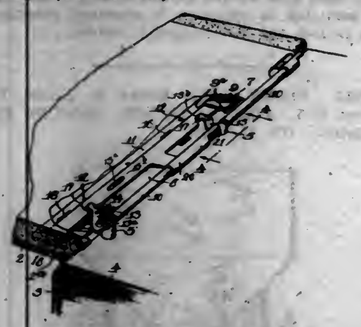
1. The combination of a container having a discharge opening in its bottom having a lower edge adapted for contact with the upper face of a flat valve, a valve carrying member detachably secured to the container, having a discharge opening therethrough in line with the discharge opening of the container and having a flat floor surrounding and of greater area than the discharge opening of the container, said flat floor being provided about the discharge opening with upwardly open ways for a flat valve, and a flat valve movable in said ways to open and close the discharge opening having its upper face in contact with the lower edge of the discharge opening of the container.

1,485,033. METAL-WORKING TORCH. ALEXANDER FREDERICK JENKINS, Baltimore, Md. Filed Apr. 12, 1922. Serial No. 551,891. 11 Claims. (Cl. 158—27.4.)



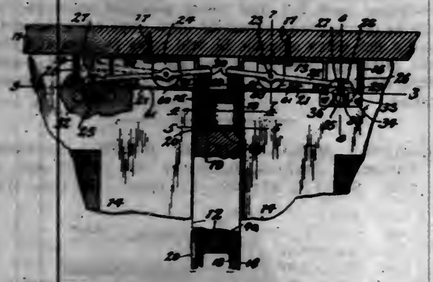
1. In a metal working tool, in combination, a head having on one end a plurality of inclined or beveled seats, one of which surrounds the other, said seats being spaced apart radially of the head and inclined relative to the axis of the head and being so arranged that a plane perpendicular to the axis of the head will intersect said seats or prolongations thereof at different distances from said axis, said head having a passage one end of which lies within the confines of the inner one of said seats and also having a second passage terminating between two of said seats, a nozzle having one end a plurality of inclined or beveled seats, one of which surrounds the other, and which seats are adapted to cooperate with the seats of the head, the seats on said nozzle being inclined relative to the axis of the nozzle, said nozzle having passages for communicating with said passages of the head, and means for securing said nozzle to the head.

1,485,034. LOOSE-LEAF BINDER. JOSEPH KAHN, Chicago, Ill. Filed Sept. 22, 1923. Serial No. 664,154. 9 Claims. (Cl. 129—23.)



1. A binder comprising hinged together covers, a post secured to one cover, a locking member secured to the other cover, and adapted for locking engagement with said post, and a shiftable member co-acting with said locking member to guide the post into locking position.

1,485,035. CONVERTIBLE BUILDING. FRED J. KEPPLER, Buffalo, N. Y. Filed May 22, 1920. Serial No. 383,418. 10 Claims. (Cl. 20—4.)



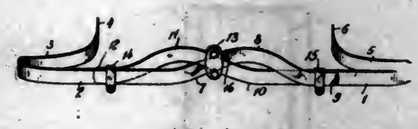
1. A convertible building having a support, a coupling body mounted on said support, a partition, and means for detachably connecting said partition and support comprising a catch member and a seat member adapted to receive said catch member, one of said members being mounted on the coupling body and the other being mounted on the partition.

1,485,036. UNIVERSAL JOINT. FRANCIS KINGSLEY, New Rochelle, N. Y. Filed Aug. 10, 1920. Serial No. 402,562. 4 Claims. (Cl. 64—96.)



1. In combination, a drive shaft, a driven shaft, threads near the end of one of said shafts, spring engaging means near the other end of said shafts, the adjacent ends of the shafts being recessed to accommodate a ball, and a coil spring into which the ends of the shaft are inserted and the ends of which respectively engage with the said threads and said spring engaging means.

1,485,037. BUFFER FOR MOTOR VEHICLES. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Jan. 19, 1921, Serial No. 438,294. Renewed Sept. 14, 1923. 15 Claims. (Cl. 293—55.)



4. The automobile buffer comprising two integral resilient steel strips and each comprising an attaching member, an intermediate end loop and an impact receiving buffer front member ararnged in reenforcing cooperation with the other front member of the buffer, each of said buffer front members comprising adjacent its end a bent up portion extending above its end loop and attaching member and clamping devices connecting said cooperating connector portions in laterally adjusted position.

1,485,038. VEHICLE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Jan. 19, 1921. Serial No. 438,295. 7 Claims. (Cl. 293—55.)



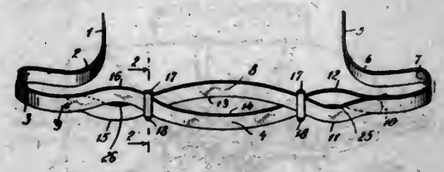
6. The automobile buffer formed of resilient steel strip having greater vertical width than thickness and comprising attaching members, end loops and impact receiving buffer front members arranged in overlapping reenforcing cooperation with each other, each of said buffer front members being bent to form a plurality of contact portions extending upward and downward beyond the level of its end loop and clamping members rigidly connecting said cooperating connector portions.

1,485,039. RESILIENT VEHICLE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 5, 1921, Serial No. 505,470. Renewed Oct. 20, 1923. 8 Claims. (Cl. 293—55.)



1. The automobile buffer comprising two buffer units of resilient spring steel strip each comprising an attaching member connected end loop and buffer front member having doubled overlapping loop shank connector portions substantially in front of the attaching member and having a gradually flaring edgewise bent buffer front loop extending across the buffer front and having its loop end substantially in front of the opposite attaching member, one of said buffer units being inserted into the loop of the other and U-bolt connectors extending through said loop ends to securely and adjustably connect thereto the co-operating loop shank connector portions arranged in front of said loop ends.

1,485,040. VEHICLE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 25, 1921, Serial No. 510,294. Renewed Oct. 20, 1923. 15 Claims. (Cl. 293—55.)



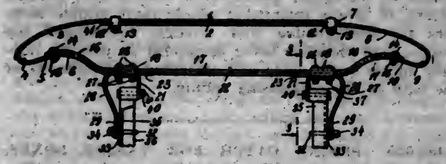
1. The automobile buffer comprising two spring steel strip members each having a rearwardly extending attaching member, an end loop and an inwardly extending impact receiving buffer front member, said buffer front members overlapping and reinforcing each other adjacent the central part of the buffer front and being oppositely vertically displaced to form an apertured vertically wide contact face adjacent the central part of the buffer, enclosing clamping devices having portions extending closely adjacent the edges of said buffer front members on each side of said central contact face and oppositely vertically displaced portions formed in said front members on the outside of said clamping devices to form lateral wide contact faces and to retain said clamping devices in position on the front strips.

1,485,041. RESILIENT BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Feb. 27, 1922, Serial No. 539,405. Renewed Dec. 19, 1923. 9 Claims. (Cl. 293—55.)



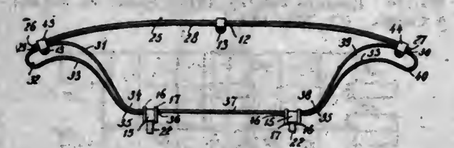
4. The resilient automobile buffer comprising two substantially similar spring strip attaching elements each having a duplex attaching portion adapted to be secured to an automobile frame member and having an outwardly extending end loop adapted to form the end of the buffer and having an inwardly turned loop extending inward considerably from said attaching portions to approach and be aligned with the cooperating inwardly turned loop of the other attaching element, and a resilient buffer front member connected to said inwardly turned loops.

1,485,042. AUTOMOBILE BUFFER-ATTACHING DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 25, 1922. Serial No. 596,885. 12 Claims. (Cl. 293—55.)



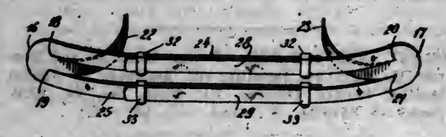
12. The automobile buffer attaching bracket comprising a one-piece sheet steel bracket clamp adapted to extend around and be clamped to buffer elements and having a clamp body and a rearwardly bent bracket arm portion adapted to be clamped to the spring bolt of an automobile frame member.

1,485,043. BRACE-BAR AUTOMOBILE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed May 14, 1923. Serial No. 638,702. 18 Claims. (Cl. 293—55.)



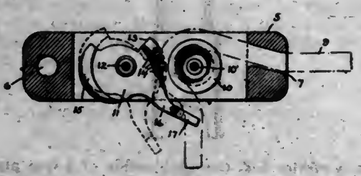
18. The automobile buffer comprising laterally extending rear buffer supporting portions adapted to be connected to the frame of the automobile, and having forwardly projecting curved resilient portions each formed with a looped connector portion adapted to support a buffer front, and a resilient steel buffer front having free ends extending to and ending at the lateral ends of the buffer and adapted to extend into protective position adjacent the automobile wheels.

1,485,044. VEHICLE BUFFER DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Original application filed Oct. 5, 1921, Serial No. 505,468. Divided and this application filed June 6, 1923. Serial No. 643,661. 16 Claims. (Cl. 293—55.)



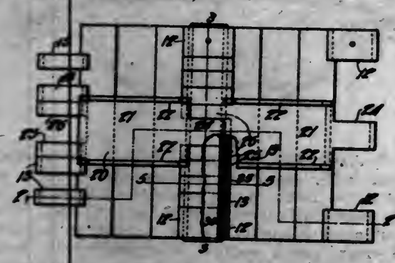
16. The automobile buffer formed of steel plate, and comprising rearwardly and inwardly bent attaching strip portions and connected buffer end portions having a plurality of integrally connected inwardly extending vertically separated front strips forming vertically aligned contact portions of the buffer front.

1,485,045. CLOTHESLINE CLAMP. OSCAR MEYER, Brooklyn, N. Y., and PAUL S. MAILLEFERT, New Haven, Conn.; Alice E. Maillefert administratrix of said Paul S. Maillefert, deceased. Filed Feb. 5, 1920, Serial No. 356,540. Renewed Jan. 3, 1924. 1 Claim. (Cl. 188—64.)



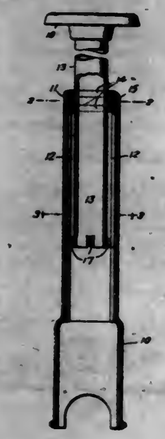
In a device of the class described, the combination with a clothes line, of a frame having a longitudinal slot, a pulley journaled in the slot, said pulley receiving the clothes line and passing through an opening in the end of said frame, a substantially circular cam eccentrically pivoted in the slot, a groove formed along the peripheral edge of the cam adjacent the pulley having teeth to engage the clothes line, a weight on the opposite side of the cam to normally hold the teeth in engagement with the clothes line, and a lever extending from the cam to release the pulley having a bifurcated end engaging the clothes line and holding it in close contact with said pulley and facilitating in releasing the cam from engagement with the clothes line.

1,485,046. TRACK BELT AND UNIT THEREFOR. MATHEW B. MORGAN, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Mar. 22, 1920, Serial No. 367,716. Renewed Feb. 20, 1922. Serial No. 538,094. 6 Claims. (Cl. 305—10.)



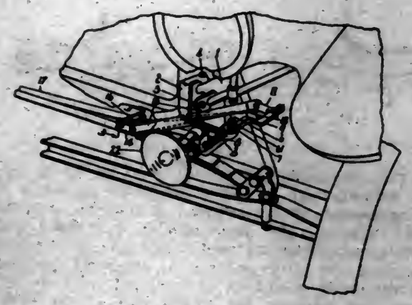
1. A track belt unit comprising a bottom member having at both its ends upwardly extending integral transversely aligned sleeves, and a rail member having at its opposite ends integral transverse sleeves which extend downward to positions such that the sleeves at the ends thereof may be transversely aligned with sleeves at the corresponding ends of the bottom member,—the sleeves at both ends of said unit being arranged in longitudinal alignment with openings between sleeves at the other end of said unit, and a pivot pin at each end of the unit extending through the transversely aligned sleeves.

1,485,047. SERVICE BOX. PHILIP MUELLER and ROBERT H. MUELLER, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 28, 1920. Serial No. 354,694. 3 Claims. (Cl. 137—13.)



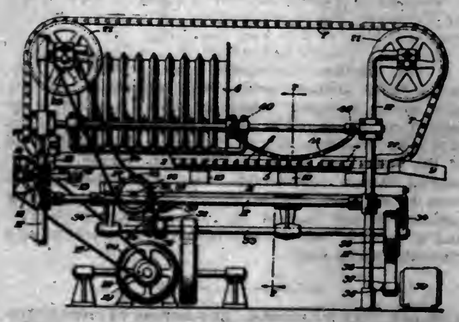
1. In a service box, the combination of a cast pipe-like member having an annular groove molded in its inner wall at one end thereof, and a longitudinally disposed rib cast on its inner wall; a non-metallic packing ring in said groove so disposed that its inner periphery projects inwardly of the bore of the cast member beyond the inner peripheries of the walls of the groove to form an outstanding non-metallic bearing; and a second wrought iron pipe-like member slidingly mounted in said cast member with its outer wall taking its bearing on and in contact only with said inwardly projecting packing ring, to prevent contact of metal to metal and binding of the parts due to corrosion, said second member having an integral lug cut and bent outwardly at its end to engage the rib on the inner wall of said cast member.

1,485,048. AUXILIARY DIRIGIBLE HEADLIGHT OR SPOTLIGHT. FRED H. PAGE and DON P. SNOOKS, Kalamazoo, Mich. Filed Mar. 7, 1922. Serial No. 541,653. 2 Claims. (Cl. 240—62.)



1. The combination of a bracket adapted for connection to the front corner of the frame and having an arm disposed beneath the headlight of a vehicle, a lever pivotally mounted on said bracket, a spotlight supported at the forward end of said lever, an auxiliary bracket adapted for mounting on the cross rod of the steering gear of a vehicle, a link with universal joint connections to said auxiliary bracket and the rear end of said lever, and a tension spring from said lever to said auxiliary bracket, coacting for the purpose specified.

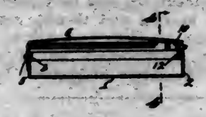
1,485,049. MECHANISM FOR ASSEMBLING MATCHES AND THE LIKE. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1923. Serial No. 630,104. 3 Claims. (Cl. 226—7.)



1. The combination with means for impelling a succession of segregated quantities of substantially parallel splints, of means comprising spaced-apart flexible members for straightening and leveling disarranged top splints, said members being suspended in parallel catenary curves overhanging and extending longitudinally of the path of the progressing splints.

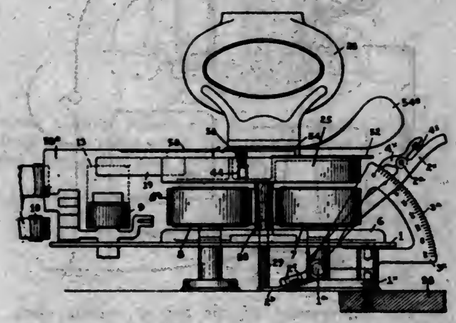
1,485,050. SPRING CATCH FOR VANITY BOXES. HARRY I. PHILLIPS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 27, 1923. Serial No. 627,956. 2 Claims. (Cl. 220—35.)

1. In a box of the character described, the combination with a bottom having a peripheral wall, a cover having a peripheral wall, one of these parts being inset to form a flange with which the other has telescopic engagement, a slot in the flange, a spring arm having a projection



engaging the slot when the parts are closed, and a release operable from without the box for releasing the projection.

1,485,051. ENVELOPE-SEALING DEVICE FOR POSTAGE METERS. ARTHUR H. PITNEY, Stamford, Conn., assignor to Postage Meters & Machines Company, Stamford, Conn., a Corporation of Delaware. Filed Oct. 12, 1922. Serial No. 594,153. 6 Claims. (Cl. 120—6.)



6. In combination with means for moistening and sealing envelopes, and a vertically movable support therefor; of an oscillating lever pivoted adjacent the support and having one end engaged with said support; a toothed segment adjacent the other end of the lever; and a dog on the lever adapted to engage said toother segment to hold the support in any vertically adjusted position.

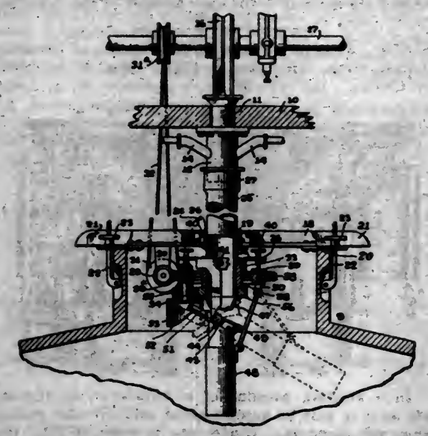
1,485,052. SPRING CATCH FOR VANITY BOXES. PHILIP A. REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 27, 1923. Serial No. 627,975. 2 Claims. (Cl. 220—20.)



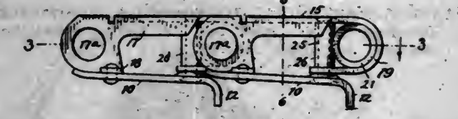
1. In a box of the character described, the combination with a flanged bottom member and a flanged cover, of a partition interposed between the cover and bottom and having upper and lower flanges with which the cover and bottom flanges engage telescopically, a rib on the partition against which the cover and bottom flanges seat, a spring arm secured in the partition, slots in the flanges of the partition, wings on the arm extending into the slots, projections on the wings engaging recesses in the bottom and cover flanges, and a release for freeing the projections.

1,485,053. PILING MACHINE. BERTRAM H. SAUNDERS, Paterson, N. J. Filed Mar. 13, 1920. Serial No. 365,588. 17 Claims. (Cl. 8—19.)

1. A piling machine comprising a stationary feed mechanism for feeding the fabric, said feed mechanism being spaced apart above and independent of the piling mechanism, a piling mechanism having means for supporting it below the feed mechanism, and a detachable guide adapted to connect the feed and piling mechanisms to conduct the fabric from one to the other.



1,485,054. UNIT FOR TRACK BELTS. EDWIN H. SAVAGE, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Dec. 26, 1918, Serial No. 268,276. Renewed Dec. 14, 1921. Serial No. 522,396. 14 Claims. (Cl. 305—10.)



1. A chain unit comprising, in combination, a shoe, and two parallel track rails secured thereon, each consisting of an inverted U-shaped rail whose sides extend rearward beyond the top as ears, and which has at its front end a forwardly extended hinge eye adapted to fit between the two ears of an adjacent similar link.

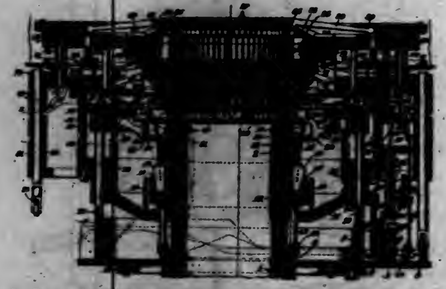
1,485,055. UNIT FOR TRACK BELTS. EDWIN H. SAVAGE, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Dec. 30, 1918. Serial No. 268,933. 10 Claims. (Cl. 305—10.)



1. A track chain unit, comprising, in combination, an envelope comprising a flat pressed steel annulus having a substantially horizontal bottom shoe member the full width of the unit, the front end of said shoe member being turned down to form a grouser, two rail members which extend horizontally over the shoe member near the side edges thereof, two front loops and two rear loops which respectively connect said rail members with the shoe member, a pressed steel insert having horizontal rail portions which extend beneath and in contact with the rail members of the envelope, struts which extend downward from the front ends of said rail portions within the rear loops and are connected with

the shoe member of the envelope, other struts which extend downward from the front ends of said rail portions and are secured to the shoe member of the envelope.

1,485,056. KNITTING MACHINE. DANIEL S. SPEESE, Detroit, Mich. Filed Nov. 8, 1920. Serial No. 422,458. 14 Claims. (Cl. 66—33.)



1. In a knitting machine of a cylinder type wherein fabric as it is knit by needles about said cylinder passes downwardly along the cylinder and is removed from the lower portion of the machine, a horizontal rotatable cam platform about the machine cylinder adapted for reciprocating said needles, inner oscillatory threaded guides, outer oscillatory threaded guides, means actuated from said cam platform for bodily moving said inner and outer oscillatory guides in opposite circumferential directions to cross threads at the inner and outer walls of said reciprocatory needles, and means actuated from said cam platform adapted to grip certain of said crossed threads and form loops.

1,485,057. ARTIFICIAL TOOTH. LAKE H. SPRINKLE, Brooklyn, N. Y. Filed Dec. 13, 1922. Serial No. 606,648. 3 Claims. (Cl. 32—9.)



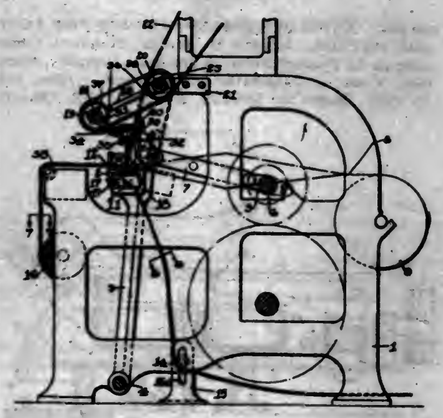
1. In an artificial tooth, a facing having formed therein a cavity, an undercut at the inner end of said cavity, one or more pins having each a base with an anchor at the inner end thereof, said anchor being adapted to engage said undercut and a member, adapted to act as a key pressed against said base in said cavity, thereby securing said base in position.

1,485,058. ARTIFICIAL TOOTH. LAKE H. SPRINKLE, Brooklyn, N. Y. Filed Feb. 27, 1923. Serial No. 621,557. 2 Claims. (Cl. 32—9.)



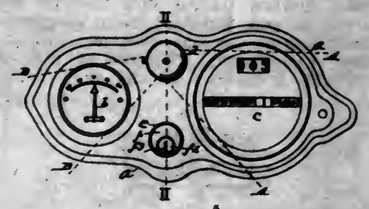
1. An artificial tooth having formed therein a cavity, an undercut at the inner end of said cavity, a pin placed in said cavity and an anchor consisting of a body of a suitable alloy adapted to be softened by heating, extending into said undercut, said pin being secured in position by being forced through the said body after the same had been softened by heating and thereby rendered pliable, and the said body, after being hardened by cooling, being caused thereby to be in forced contact with said pin, thereby securing the latter in position in said cavity.

1,485,059. METHOD OF MAKING CLOTH AND MECHANISM THEREFOR. FREDERICK B. STEARNS, Worcester, Mass. Filed Mar. 24, 1922. Serial No. 546,359. 19 Claims. (Cl. 139—1.)



19. The improvement in the art of making cloth, which consists in weaving a fabric and drawing the fibres of a loose material into the warp between the laying of successive weft threads, whereby the drawn through fibres are incorporated in the fabric by the beating up the last laid weft thread.

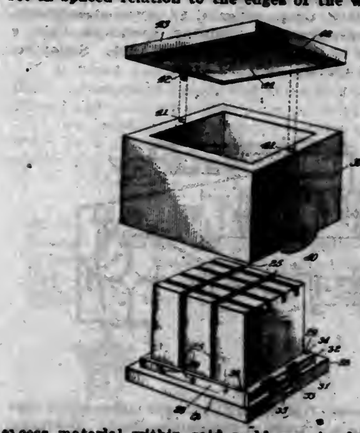
1,485,060. LOCK FOR ELECTRIC CIRCUITS. HORACE T. THOMAS, Lansing, Mich. Filed Dec. 6, 1920. Serial No. 428,664. 3 Claims. (Cl. 200—44.)



1. In an apparatus of the kind described, an electric circuit, an inaccessible apparatus for making and breaking said circuit, an accessible part adapted to reciprocate to operate said make and break apparatus, a spring actuated bolt pressing against the surface of said reciprocating part and a rotatable means carried by said reciprocating part adapted to engage said bolt to prevent or permit its engagement of said reciprocating part to permit or prevent the motion of the same.

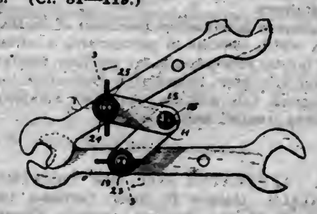
1,485,061. ART OF MANUFACTURING CONTAINERS. JOHN M. AHLGREN, Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill., a Corporation of Illinois. Filed Apr. 26, 1922. Serial No. 557,131. 7 Claims. (Cl. 18—56.)

1. In a mold structure, side walls and a bottom plate having a rabbet in its edge providing a bottom forming surface surrounded by a shoulder, said surface of a size to project between said side walls with the shoulder spaced therefrom, means to hold the bottom of the rabbet in spaced relation to the edges of the walls whereby



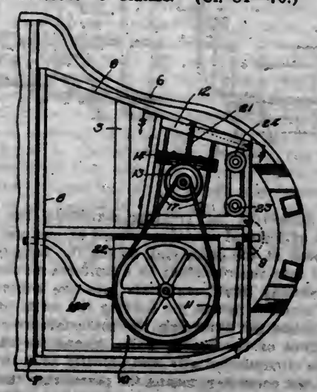
excess material within said mold may be formed into a flange in a plane offset from the plane of the bottom and overlapping said side walls.

1,485,062. WRENCH. PAUL C. BALDUS, Milwaukee, Wis. Filed Apr. 28, 1920. Serial No. 376,124. 5 Claims. (Cl. 81—119.)



1. The combination, with a pair of wrenches provided with handles, of linkage connecting the handles of said wrenches together permitting them to swing and move bodily relatively to each other, one end of said linkage having an adjustable spaced connection with one of the handles to dispose said wrenches in parallel planes.

1,485,063. PNEUMATICALLY-PLAYED PIANO. WILLIAM M. BAUER, Chicago, Ill. Filed May 11, 1922. Serial No. 560,033. 9 Claims. (Cl. 84—70.)



1. In a pneumatically-played piano, in combination with the piano-casing, a frame hingedly supported in said casing to be lowered on the hinges from its normally-raised position, a head on rods extending through cushioned bearings on the side-bars of said frame in which said rods are slidably supported at their end-portions, a spring-retracted motor secured on said head in cushioned bearings thereon, and a pump-containing box supported in said casing and having the pump-shaft geared to the motor.

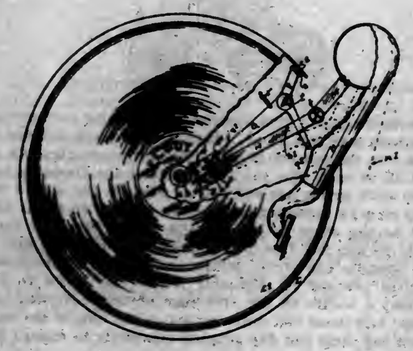
5. In combination with a piano-casing, motor-supporting means therein comprising a solid head on rods, said rods being longitudinally movable in bearings, and a pump-operating motor secured on said head.

1,485,064. SHOTGUN RIB. JOHN F. BERGER, Trenton, N. J. Filed Apr. 21, 1923. Serial No. 633,788. 2 Claims. (Cl. 33—58.)



1. In combination, a gun barrel, a rib extending longitudinally with the barrel and pivoted to the breech end thereof, and means at the muzzle end of the barrel for raising and lowering the muzzle end of the rib in the manner and for the purpose specified.

1,485,065. AUTOMATIC PHONOGRAPH STOP AND START DEVICE. EVERETT H. BICKLEY, Upper Darby, Pa. Filed Mar. 31, 1921. Serial No. 457,418. 36 Claims. (Cl. 192—118.)



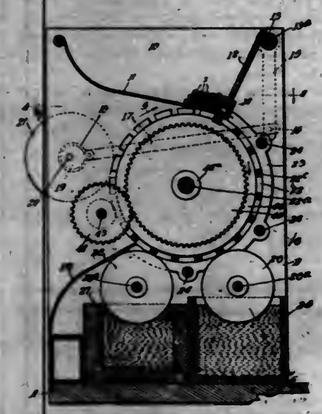
1. In a talking machine, comprising a driven turntable, a reproducer coacting on a tone-arm, and a brake; the combination of a lever connecting with said tone-arm thru a friction joint, said lever being adapted to latch said brake at the extreme outer position of the tone-arm and unlatch said brake when the tone-arm has ceased to move at an inner position substantially as described.

1,485,066. AUTOMATIC TINNING MACHINE. JOHN BRICKEN, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 13, 1921. Serial No. 436,948. 9 Claims. (Cl. 91—12.1.)

2. In an automatic tinning machine; in combination a vibrating hopper member; a tube conveyor; a retainer: a drum tension member; an acid pot, a soldering pot; an acid roll; a tinning roll; and power operated means for operating said mechanism.

6. In a machine of the class described; in combination a tube container; a tube conveyor; an acid pot; a solder

pot; means interposed between the acid pot and solder pot for transferring acid and solder to a predetermined



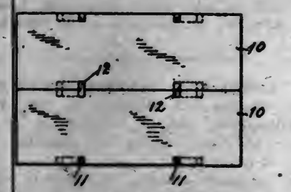
point upon the tubes, and means acting in conjunction with the aforementioned means for placing a ring of solder on the tubes.

1,485,067. BALANCED BICYCLE BAG. LOUIS ROOD BRISTOL, Gainesville, Fla. Filed Oct. 17, 1923. Serial No. 669,038. 1 Claim. (Cl. 224—30).



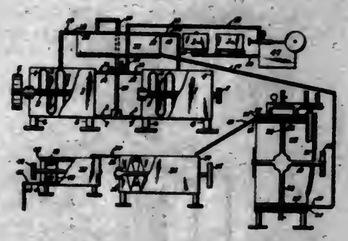
A device of the kind described, comprising in combination with a bicycle frame, a back strip of fabric adapted to fold over the top bar of the frame and approximately fit and fill at each side, the open space of the frame; a bag strip sewn by its side and bottom edges to one end of the back strip; a combined bag strip and flap sewn by its side and bottom edges to the opposite end of the back strip with the flap left free to fold down over the outer side of the opposite bag strip; straps and buckles at the lower corners adapted to releasably secure the device to the frame; a buckle on the free edge of the individual bag strip; and inner and outer straps on the flap of the combined bag strip and flap adapted separately to engage the said buckle.

1,485,068. INTERLOCKING TILE SLAB. EDWARD W. BUNGMS, Milwaukee, Wis. Filed Apr. 17, 1922. Serial No. 554,036. 6 Claims. (Cl. 72—67.)



1. Interlocking tile slabs formed with diagonal slots in their opposite edges, in combination with keys filling the registering slots of adjacent tile slabs, whereby a weight imposed upon one tile slab is distributed through such keys to the adjacent tile slabs.

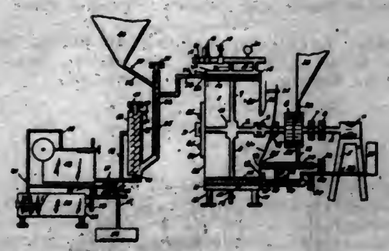
1,485,069. PROCESS OF MANUFACTURING ICE-CREAM MIXES, MILK-CHOCOLATE MIXES, CONFECTION MIXES, AND THE LIKE. GEORGE WILSON BURT, Portland, Oreg., assignor, by mesne assignments, to The Crouse-Tremaine Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 12, 1919. Serial No. 296,406. 5 Claims. (Cl. 99—16.)



2. The process of producing ice cream mixes which comprises forming a mixture of the milk products, sweetening materials and body-giving materials in the desired proportions as to solids but with moisture in excess of the amount desired for the final mix, evaporating said mixture until the moisture content is reduced to a value not exceeding the desired amount, homogenising the mixture, and sterilising the resulting ice cream mix in hermetically sealed containers.

5. The process hereinbefore described of making an ice cream mix which consists in pasteurizing a suitable mixture of a lacteal substance, a fat yielding substance, and a saccharine substance, immediately thereafter condensing without ageing this mixture, and then emulsifying the mixture thus treated, and cooling it.

1,485,070. APPARATUS FOR THE TREATMENT OF MATERIALS. GEORGE W. BUAT, Portland, Oreg., and CHARLES R. MABEE, Toronto, Ontario, Canada; said Mabee assignor of his entire interest to Mabee Patents Corporation, Dover, Del. Filed May 19, 1919. Serial No. 298,317. 9 Claims. (Cl. 99—2.)



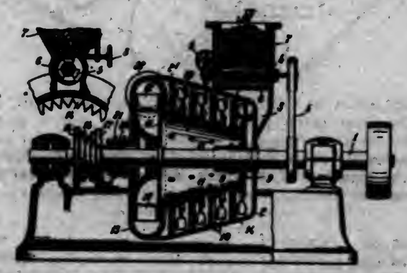
1. In apparatus for treating materials, the combination of a cylindrical container closed at one end and partially closed at the other end, means for introducing dry materials into the container in a uniform manner, means for introducing liquid materials into the container in a uniform manner, means for heating the walls of the container, means for spreading the materials over the concave surface of the heated walls, means for moving the materials circumferentially and spirally over the concave walls of the container, means for permitting the vapor to escape from the container under pressure exceeding that of the atmosphere, and means for permitting the materials treated to escape continuously from the container.

1,485,071. SOLVENT FOR ORGANIC COMPOUNDS AND THE RESULTING COMPOSITIONS. WOODMAN W. CLOUGH and CARL O. JOHNS, Elizabeth, N. J., assignors to Standard Development Company, a Corporation of Delaware. Filed Mar. 18, 1922. Serial No. 543,484. 4 Claims. (Cl. 134—79.)

2. A liquid composition of matter containing about 47.5% of isopropyl acetate and about 52.5% of isopropyl alcohol and having a boiling-point of about 80.1° C.

3. As a composition of matter, a solution of cellulose nitrates in a constant boiling-point mixture of isopropyl acetate and isopropyl alcohol.

1,485,072. DISINTEGRATOR AND FEEDER. AUGUST FARNER, Kusnacht, near Zurich, Switzerland, assignor to the Firm G. Hunsiker, Ruti, Canton Zurich, Switzerland. Filed Apr. 16, 1923. Serial No. 632,348. 9 Claims. (Cl. 83—11.)



1. In a disintegrator, a casing, a hollow rotor thereon, and having openings therethrough, communicating means between the rotor and casing and means for withdrawing the finer material inwardly through said openings in opposition to centrifugal action.

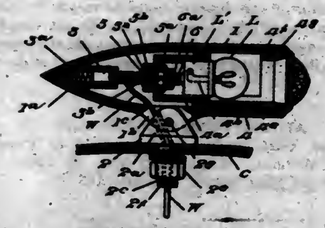
1,485,073. PENCIL. CHARLES J. FUNK, Chicago, Ill., assignor of The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 27, 1921. Serial No. 496,122. 8 Claims. (Cl. 120—18.)



6. In a pencil of the kind described, a handle member having a central bore, a point member adapted to be removably mounted upon the handle member, a tubular guide for the lead carried by the point member, an abutment rod adapted to enter the inner end of the guide for adjusting the position of the lead, means carried by the tubular guide for engagement with the abutment rod to prevent relative longitudinal movement of the rod when the point is mounted upon the pencil, and a centrally fixed tubular guide in the handle for receiving the free end of the abutment rod, said fixed tubular guide extending to the rear or upper end of the handle and a head within the bore of the handle in which the fixed tubular guide is held to provide an annular space at the upper end of the pencil as a magazine for extra leads and means for closing the outer end of said magazine.

1,485,074. COWL LIGHT. ANGUS R. GROSS, Baltimore, Md. Filed May 4, 1921. Serial No. 466,800. 16 Claims. (Cl. 240—7.)

1. In combination a lamp casing open at one end and closed at the other; an electrical contact connection in the closed end of the casing; a removable lamp holder adapted to be entered into the casing through said open end and wholly contained within the casing and when entered to establish electrical connection between the lamp and the said contact in the casing, said holder being



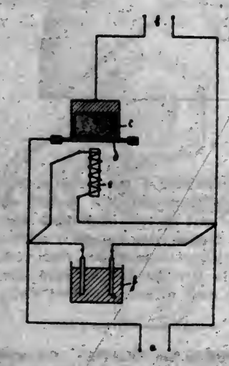
bodily removable from the casing with the lamp; and a member connected with said holder and positioned in advance of said lamp to close the outer end of the casing, and a glass or jewel mounted in said member.

1,485,075. KEY LABEL. ALBERT P. GUMAER, South Orange, N. J. Filed Mar. 26, 1923. Serial No. 627,884. 3 Claims. (Cl. 40—2.)



1. An identifying means for door keys comprising a centrally apertured plate adapted to be detachably connected to a key by bendable retaining means, a name plate interposed between the key and the apertured plate having lettering thereon visible through the apertured retaining means.

1,485,076. MEANS FOR FLATTENING THE CURRENT WAVES OF PULSATING DIRECT CURRENT. CONRAAD A. A. HAIGHTON, The Hague, Netherlands. Filed Dec. 20, 1922. Serial No. 608,078. 2 Claims. (Cl. 171—97.)



1. In a pulsating direct current system, means for flattening the current waves of the pulsating direct current comprising a variable resistance loose contact inter-

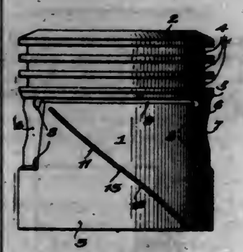
posed in said circuit, an electro-magnetic means interposed in and energized with the frequency of the pulsations of current in said circuit, said loose contact being controlled by said electro-magnetic means whereby, when the excitation of the electro-magnetic means is increased the resistance of the loose contact is increased, and, when the excitation of the electro-magnetic means is decreased, the resistance of the loose contact is decreased.

1,485,077. ADVERTISING SIGN. PAUL V. HANN, Columbus, Ohio, assignor of one-half to Chester K. Hann, Columbus, Ohio. Filed May 15, 1923. Serial No. 639,196. 2 Claims. (Cl. 40—138.)



2. A sign of the class described comprising front and back opaque plates, the front plate having an opening therein, a netting covering the opening, said back plate having the stipulation of a netting carried thereby and in registry with the opening and the netting covering the opening.

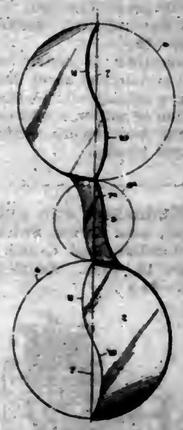
1,485,078. PISTON. HARRY J. HATER, Cincinnati, Ohio. Filed Apr. 24, 1922. Serial No. 556,234. 2 Claims. (Cl. 74—109.)



1. A piston comprising a head and a depending skirt, said skirt having a transverse slit therein and said skirt having a diagonal slit therein extending from the bottom of said skirt and terminating before it reaches the transverse slit and without connection therewith, said skirt being incompletely cut through by said slit at a point spaced from both ends of said diagonal slot.

1,485,079. PROPELLER BLADE. CHARLES F. HOFFMANN, South Norwood, Ohio. Filed Oct. 24, 1922. Serial No. 596,631. 7 Claims. (Cl. 170—159.)

1. The process for forming a pair of wings from a circular piece of material which consists in locating the diameter of the circle, forming a line of intersection on the circle in the form of a pair of arcs extending in



opposite directions from each other upon opposite sides of the diameter of the circle, and cutting the material along this line.

1,485,080. SWITCH. EDWARD THOMAS JONES, New Orleans, La. Filed Dec. 27, 1921. Serial No. 525,153. 7 Claims. (Cl. 200—15.)



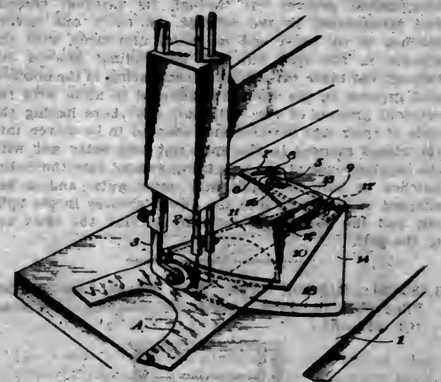
1. A switch comprising a supporting member, an insulated vertical elongated support thereon, a rotatable shaft longitudinally on the extremity of said support, a bearing member for said shaft substantially throughout the length of said support, laterally projecting switch blades carried by said shaft, contacts arranged on opposite sides of said elongated support and adapted to receive said switch blades in their respective rotated positions.

1,485,081. ERASER FOR BLACKBOARDS. LINWOOD U. KINDER, Kansas City, Mo., assignor to National Wood Renovating Company, Kansas City, Mo., a Corporation of Missouri. Filed Apr. 17, 1922. Serial No. 554,111. 2 Claims. (Cl. 15—223.)



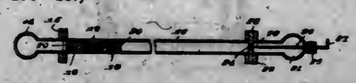
1. An eraser for blackboards comprising a rigid back, an erasing pad attached to one side of said back, a cushioning pad attached to the other side of said back, and binding material encircling the edges of said back and attached to said pads, substantially as set forth.

1,485,082. WORK CLAMP AND GAUGE. GEORGE A. KIRKBRIDE, Philadelphia, Pa. Filed Dec. 11, 1922. Serial No. 606,138. 5 Claims. (Cl. 112—2.)



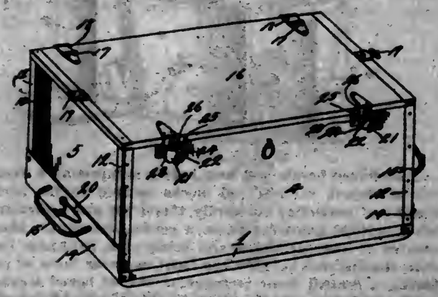
1. In a device of the class described, a radius plate having a slot therein, means for pivoting said radius plate to the work plate of a sewing machine, a set-screw extending through the slot of the radius plate and adapted to lock the radius plate in adjusted position, and a work clamp pivoted to said radius plate.

1,485,083. APPARATUS FOR CRACKING HYDROCARBONS AND RECOVERING GASOLINE. MEINHARD H. KOTERBUS and LEVI M. BOWMAN, Tulsa, Okla. Filed May 5, 1921. Serial No. 466,978. 1 Claim. (Cl. 196—25.)



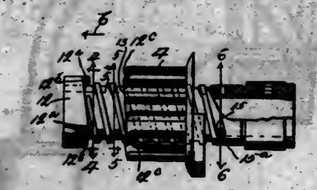
In an apparatus of the character described, a heater, a cracking tube extending through the heater, spaced sections of steel wool within said tube adjacent to its intake end and at one side of the heater, gravel between said sections of steel wool, reticulate disks within the tube to confine said steel wool and gravel in place, said tube having an apertured outlet plate therein adjacent to its outlet end and having an otherwise unobstructed internal passage within and across the heater.

1,485,084. COLLAPSIBLE CRATE. CHRISTIAN S. LEHMAN, Lawn, Pa. Filed May 4, 1923. Serial No. 636,621. 3 Claims. (Cl. 217—14.)



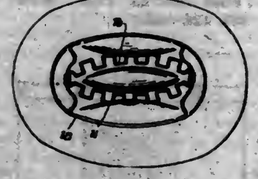
1. A collapsible box comprising a bottom, a front side hingedly connected to the forward end of the bottom, and foldable onto the bottom, end sections hingedly connected to the inner side of the front side and foldable onto the front side, said end sections having apertured spring lugs and lugs carried by the upper side of a foldable rear side and adapted to be received by said spring lugs.

1,485,085. ENGINE-STARTING-GEAR LIMITING MEANS. TRUMAN J. MARTIN, Allentown, Pa. Filed Feb. 24, 1921. Serial No. 447,511. 1 Claim. (Cl. 74—7.)



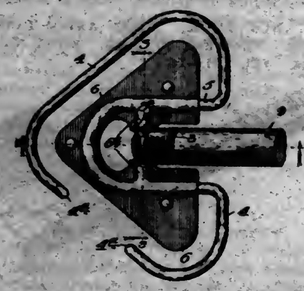
The combination with a starting gear of an engine starting mechanism, said gear being fed forwardly and rearwardly on a feed screw and stopped at the ends of its movement, of means for limiting the movement of the starting gear on the feed screw, said means comprising radially disposed engaging surfaces carried by the starting gear and the feed screw, the feed screw radial surfaces being formed by radially disposed round apertures in the screw between the threads at the ends of said threads.

1,485,086. HAT-FORM HOLDER. WILLIAM H. MEAD, Autaugaville, Ala. Filed Sept. 28, 1923. Serial No. 665,462. 3 Claims. (Cl. 2—108.)



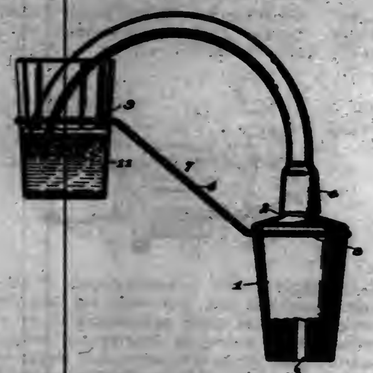
1. A hat form retaining device consisting of a main frame of substantially elliptical form having the sides composed of wires bending back and forth to form crenelations, and legs depending from the ends of the main frame and engageable between the sides of a hat and its sweat band to hold the main frame against the crown of a hat.

1,485,087. MOP. JACOB A. MEINHARDT, Chicago, Ill. Filed May 31, 1923. Serial No. 642,626. 4 Claims. (Cl. 15—229.)



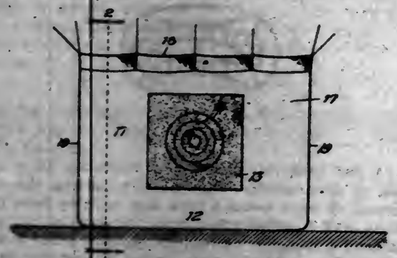
1. In combination, a mop-frame, a handle-pivoting pin of angular cross-section in the frame, a handle-receiving socket pivoted on the pin, a spring in the socket, and a handle fitting the socket to confine the spring therein yieldingly against the pin.

1,485,088. COMBINED FERMENTING BUNG AND WIRE JAR HOLDER. THOMAS R. MICHEL, Sandusky, Ohio, assignor of one-third to Bert F. Keech and one-third to Fred J. Hinkey. Filed May 23, 1923. Serial No. 640,942. 2 Claims. (Cl. 217—105.)



1. A device of the character described comprising in combination a perforated stopper provided with an annular groove adjacent its top and a bracket comprising a rod bent at its ends into two ring parts lying in parallel spaced planes, one of said rings adapted to seat in the annular groove of the stopper.

1,485,089. GOLF TARGET. ALVIN J. MUSSELMAN, Chicago, Ill. Filed Dec. 28, 1922. Serial No. 608,749. 1 Claim. (Cl. 124—15.)



A target for golf practice and the like comprising a backing and a coating of plastic material adhering to the face of said backing so that golf balls driven against said target will adhere thereto.

1,485,090. NUT LOCK. TONEY ANTON PASSIC, Ashland, Wis. Filed Feb. 15, 1923. Serial No. 619,234. 3 Claims. (Cl. 151—14.)



1. In a nut lock, the combination of a threaded bolt provided with a longitudinal groove, an internally and externally threaded split nut engaging the threads on the bolt and provided with radially disposed notches on the inner end of the nut and a longitudinal groove cut through the internal threads of said nut and adapted to aline with the groove in the bolt, said split nut having longitudinal grooves cut through its external threads and terminating in the notches, an outer nut having notches in its inner end in radial alinement with the notches in the split nut and longitudinal grooves cut through the inner threads and terminating in the notches, said grooves in the outer nut adapted to aline with the external grooves of the split nut, split keys having the ends of their legs bevelled and adapted to be driven into the alined grooves in the split nut and outer nut with the bevelled ends of the legs being swaged into the radial notches in both the split and outer nuts, and a key adapted to be driven into the alined grooves in the split nut and the bolt for temporarily locking the split nut to the bolt.

1,485,091. RIBBON CASE. EARL PEPPER, Lamkin, Miss. Filed Feb. 14, 1923. Serial No. 619,069. 3 Claims. (Cl. 211—81.)



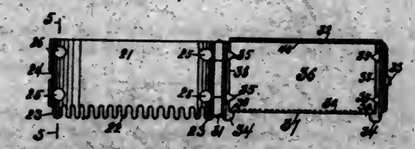
1. In a device of the character described, a case, a vertical partition comprising a plurality of horizontally disposed vertically spaced panels, a plurality of horizontally adjustable pivot-bearing arms mounted on each panel and a plurality of horizontally adjustable tension devices mounted on each panel.

1,485,092. BROOM AND MOP HOLDER. FRANK J. RAUCHUT, Philadelphia, Pa. Filed June 23, 1923. Serial No. 647,327. 1 Claim. (Cl. 24—244.)



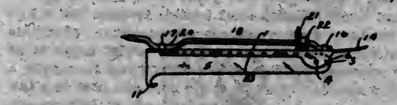
A combined broom and mop holder, comprising a vertical backboard, vertical end blocks secured to the backboard and projecting forwardly therefrom and presenting inner vertical abutment faces, a central triangular block secured to the backboard and being of a thickness less than the distance between the front and rear faces of the blocks, a central front rectangular shaped board secured to the front face of the triangular block in substantially flush relation with the front faces of the end blocks and arranged in spaced relation to the said end blocks to provide open-ended, spaced passages between said vertical end blocks for the handles of a broom and mop, said front board being substantially coincident with the base of the triangular block and projecting from the inclined sides thereof, and horizontal clamping rollers confined by the central front board in the spaced passages between the triangular and end blocks and arranged to roll downwardly and convergingly with relation to each other on the inclined sides of the triangular block for clamping the handles of a broom and mop against the inner vertical faces of the end blocks.

1,485,093. SAFETY RAZOR. STUART SPEIRS, New York, N. Y. Filed Apr. 20, 1922. Serial No. 555,744. 3 Claims. (Cl. 30—12.)



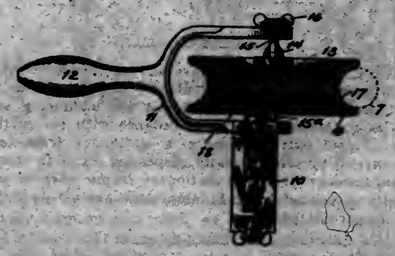
1. In a safety razor the combination of a convex platform curved along its longitudinal axis, a concave bending and locking member curved along its longitudinal axis adapted to be locked to said platform and a blade clamped between the convex face of the platform and concave face of said locking member, said blade locking member provided with a positioning flange on its upper edge and having over hanging gripping lugs to hold the blade in an initially flexed position prior to its locking engagement with the platform.

1,485,094. CAN OPENER. WILLIS M. THOMPSON, Chicago, Ill. Filed May 14, 1920, Serial No. 381,260. Renewed Jan. 8, 1924. 1 Claim. (Cl. 30—3.)



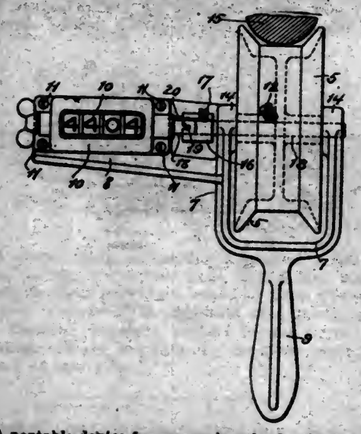
An improved can-opener, composed of two body-sections pivotally connected and adapted to be folded to shorten the length of the tool as desired; one of said body-sections being provided with a longitudinal depression; a pointed can-opener rod fixed on the body-section which has said longitudinal depression in it, and a cutter mounted to slide and rotate on said can-opener rod in said depression, substantially as set forth.

1,485,095. PORTABLE MEASURING DEVICE. DAVID M. TILLEE, Broken Arrow, Okla., assignor to The Tiller Manufacturing Company, Kansas City, Mo. Filed Mar. 9, 1921. Serial No. 450,947. 2 Claims. (Cl. 33—134.)



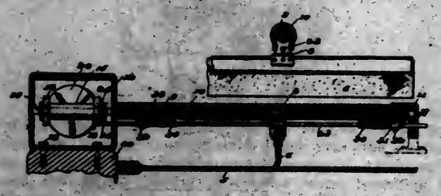
1. A portable registering device comprising a frame having two side members, longitudinally adjustable bearings carried by said side members, a wheel the hub of which is carried by said adjustable bearings and a registering device carried by the frame and geared to said wheel.

1,485,096. PORTABLE MEASURING DEVICE. DAVID M. TILLEE, Kansas City, Mo. Filed Aug. 2, 1921. Serial No. 489,819. 2 Claims. (Cl. 33—134.)



1. A portable device for measuring the depth of a drilled hole or well consisting of a frame, a shaft journaled therein, a shelf on said frame and in line with the shaft journaled in said frame, a counter detachably secured to the frame, a shaft constituting a part of said counter device, a wheel secured to the shaft in the frame and adapted to be turned by contact with a drill cable, and a coupling sleeve detachably secured to the wheel shaft and also detachably connected with the shaft of the counter so that the latter may be removed without removing the coupling sleeve, or the latter may be disconnected from the shaft in the frame so that the rotation of said latter shaft will not be imparted to the shaft of the counter.

1,485,097. WINDSHIELD WIPER FOR AUTOMOBILES. STANLEY A. TUTTLE and HARRY L. PARKER, Oakwood, Mich. Filed Feb. 17, 1923. Serial No. 619,584. 3 Claims. (Cl. 15—253.)

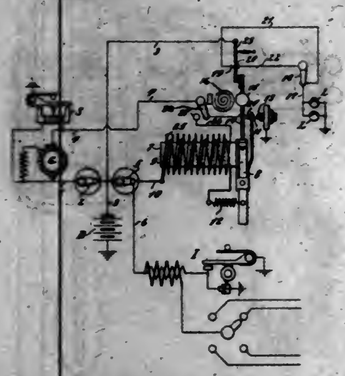


1. A windshield wiper comprising a feed screw having a squared shank, a sleeve mounted on said squared shank and having a pair of friction wheels, a friction disk alternately engaged by said friction wheels, a nut mounted on said feed screw and having a wiper, a longitudinally movable rod having one end forked and connected to said sleeve, a pair of sleeves adjustably mounted on said rod, and coil springs mounted on said rod in engagement with said pair of sleeves, said coil springs being arranged in the path of travel of said nut whereby the endwise movement of the nut alternately compresses the springs and moves the rod longitudinally.

1,485,098. AUTOMOBILE ALARM SYSTEM. RICHARD VARLEY, Englewood, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Sept. 9, 1920. Serial No. 409,134. 5 Claims. (Cl. 177—311.)

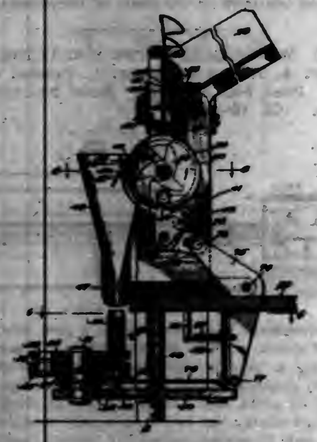
5. For automobiles and the like, in combination with a battery and generator, an ignition circuit, means for connecting the battery in the ignition circuit, means controlled by the generator current for connecting the genera-

tor in the ignition circuit, an electric make-and-break device, means for connecting the make-and-break device in closed circuit with the battery in parallel with the ignition circuit, said device including an electro-magnet and a biased armature, a signal operating element carried by



the armature, a signal disposed in the path of movement of the said element as the armature vibrates, and means for supplying the generated current to a winding on the magnet, whereby the magnet is energised and the armature retracted while the generator is being operated.

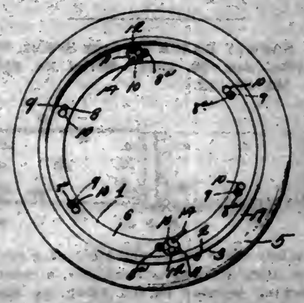
1,485,099. LEAD-LOADING MACHINE. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed May 6, 1918. Serial No. 232,990. 12 Claims. (Cl. 226—2.)



1. In a lead delivering machine, the combination of a rotary cylinder having a group of grooves adapted to receive leads and also having a groove extending at right angles to said first mentioned grooves and a finger to withdraw the leads from said first mentioned grooves, normally resting in said second mentioned groove.

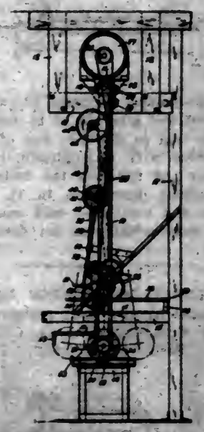
1,485,100. AUXILIARY DEMOUNTABLE-RIM FLANGE. WILLIAM J. WALL, Christiansburg, Va. Filed Sept. 21, 1921. Serial No. 502,290. 1 Claim. (Cl. 301—26.)

The combination with a wheel felly having a demountable rim thereon, of means for holding said demountable rim on said felly, said means comprising an annular plate engaging the outer face of the felly and the outer face of the demountable rim and provided with concentrically disposed slots having one of their ends larger than their other ends, headed lugs carried by the felly and adapted to be passed through the enlarged portions of the concentrically disposed slots, eccentric clamp plates pivoted to the annular plate adjacent the enlarged portions of the slots and forming means cooperating with the heads of the headed lugs whereby the annular plate may be moved to a position where the headed lugs will be forced into



the reduced portions of the slots and held therein by the engagement of the headed lugs with the outer face of the annular plate, said eccentric plates being provided with recesses in their peripheries for the reception of the heads of the headed lugs, and handle members extending outwardly from the eccentric plate, and positioned thereon whereby when the plates are in operative position said handle members will extend inwardly in relation to the wheel felly.

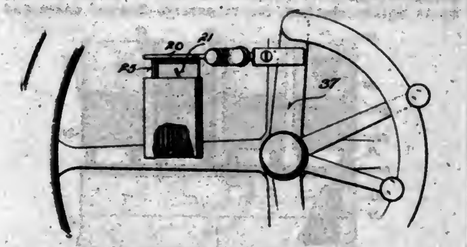
1,485,101. SWING SAW. JULIUS WESSEL, New York, N. Y. Filed July 24, 1922. Serial No. 576,988. 1 Claim. (Cl. 125—14.)



A swing saw comprising a pivotally suspended frame, a cutting member rotatably mounted thereon, means for operating said cutting member and for advancing said frame in its pivotal path in accordance with the cutting action of said cutting member, a stationary frame and shoes carried by said pivotally suspended frame in travelling engagement with said stationary frame whereby said pivotally suspended frame is maintained against deviation from its pivotal path.

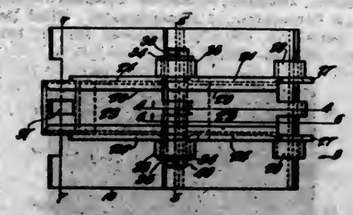
1,485,102. MATCH RECEPTACLE. ALBERT S. WELLS, Milwaukee, Wis. Filed Feb. 20, 1922. Serial No. 537,747. 2 Claims. (Cl. 206—22.)

1. The combination of a box for containing matches, a traveler transversely reciprocable therein, a slide, means cooperating with said slide and said traveler for reciprocating said traveler on the reciprocation of said slide,



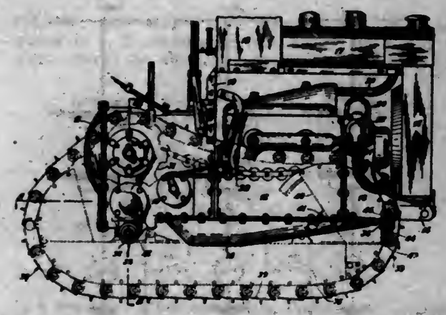
and means for feeding said matches from said box, said box having an opening through which said matches are directed.

1,485,103. TRACK BELT AND UNIT THEREFOR. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed July 17, 1920. Serial No. 396,955. 5 Claims. (Cl. 305—10.)



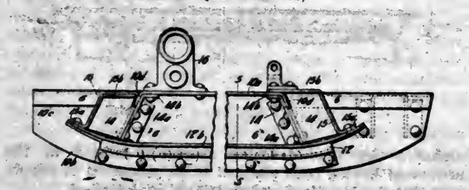
1. A pressed metal track belt comprising a bottom plate and a rail member formed from a single blank having substantially vertical side members with rounded ribs at their upper edges having spaced, double thick walls and a depressed longitudinal plate portion between the inner walls of said ribs, the lower edges of the side members being secured to the bottom plate.

1,485,104. TRACTOR. ROLLIN H. WHITE, Euclid Heights, and EDWIN H. SAVAGE, Cleveland, Ohio, assignors to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,123. 2 Claims. (Cl. 180—9.1.)



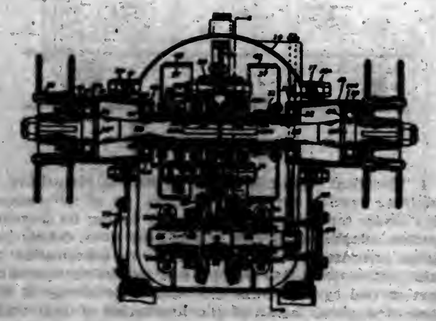
1. In a tractor, the combination of a body comprising a rear transmission unit, an intermediate engine unit, and a front gear cover and radiator supporting unit, each of said units including unitary casings positioned in alignment and detachably secured to each other at their adjacent ends; and supporting track units having frames pivoted at one end to said unitary transmission casing and connected at the other end to said gear cover casing.

1,485,105. SIDE FRAME FOR TRACK-LAYING TRACTORS. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Apr. 14, 1921, Serial No. 461,284. Renewed Apr. 24, 1922. Serial No. 556,359. 7 Claims. (Cl. 305—9.)



1. A track frame comprising a pressed metal main member having downturned sides, and a shoe which is disposed between the lower edges of said downturned sides and is secured thereto, said shoe having a centrally disposed upwardly pressed groove in its lower face which extends longitudinally from the front to the rear end of said shoe.

1,485,106. TRANSMISSION-GEARING MOUNTING. ROLLIN H. WHITE, Cleveland Heights, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed May 5, 1922. Serial No. 558,722. 4 Claims. (Cl. 74—57.)



1. The combination of a gear casing having aligned holes in its opposite sides, bearing sleeves which respectively project through said holes into the casing and are removably secured to the casing to close said holes, differential gearing within the casing including a differential drum having oppositely extended aligned tubular hubs which are respectively mounted in inner ends of said sleeves, two driving axles which respectively project through said sleeves and differential drum hubs and are rotatably mounted in bearings located in the outer ends of said sleeves, an annular disk which loosely embraces the projecting end of each axle shaft and is secured to the end of the sleeve in which said axle shaft and its bearings are supported, a wheel secured to the end of said axle shaft and having an annular bearing surface adjacent its hub, and an annular disk of flexible material secured dust tight to said plate in rubbing contact with said surface, and a spring acting to force said flexible disk against said surface.

1,485,107. WATER HEATER. ELMER J. ZEIGLER, Camden, N. J. Filed Sept. 8, 1923. Serial No. 661,705. 2 Claims. (Cl. 126—54.)

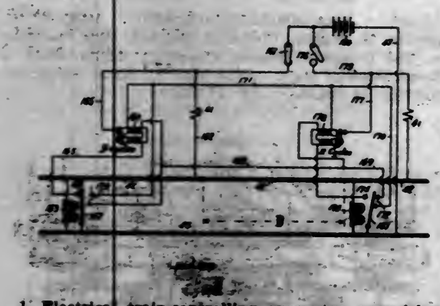
1. In a heating attachment for gas stoves and the like, a removable top therefor comprising a casing having apertures in its side walls and heat-admitting apertures

in its bottom, cradles on the bottom of the casing having recessed upper edges forming seats, a pipe coiled to



embrace the heat-admitting apertures located in the seats and having ends adapted to be connected to supply and distributing pipes, substantially as described.

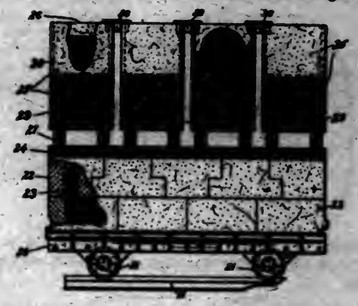
1,485,108. RAILWAY SAFE-RUNNING DEVICE. ARTHUR REGINALD ANGUS, London, England. Filed Aug. 3, 1914. Serial No. 854,895. 8 Claims. (Cl. 246—23.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Electrical train-controlling apparatus comprising a receiving portion carried by a train, an electro-responsive device carried by said train and having its movable portion adapted to occupy a line-clear or a danger position according to the condition as to energization of said electro-responsive device, a direction-corresponding part carried by said train and adapted to occupy in the case of a given facing of the locomotive of said train different positions in accordance with opposite directions of running of said train, switching means on the track adapted to be given different positions according to the directions in which a train is to be allowed to run, means on the track adapted to cause inductively electric potential to occur differently in said receiving portion in correspondence with said different positions of said switching means respectively, and means on said train adapted to co-operate with said direction-corresponding part to enable the occurrence of electric potential in said receiving portion as aforesaid to cause a condition as to energization of said electro-responsive device corresponding to the line-clear position of said receiving portion but only in the case of correspondence between the occurrence of electric potential in said movable portion and the position of said direction-corresponding part.

1,485,109. TUNNEL KILN. HUGO W. H. BEYTH and MILTON F. HERCHER, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 27, 1920, Serial No. 426,712. Renewed Jan. 7, 1924. 5 Claims. (Cl. 25—142.)

1. In a tunnel kiln having longitudinal muffle benches in the heating chamber and a car traversing passage therebetween, the combination therewith of a car comprising a wheeled support, an imperforate refractory body portion thereon having a plane top disposed substantially on a level with said benches, small refractory blocks of high heat conductively spaced on said car top so as not to obstruct the transverse flow of gases and



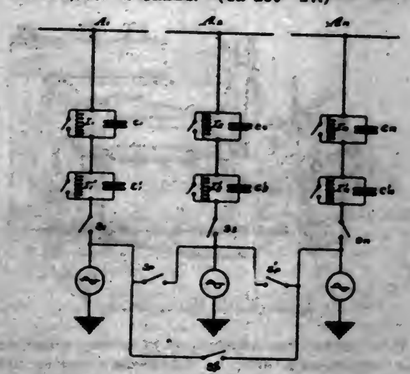
stacks of refractory containers disposed on said blocks in spaced relation transversely and longitudinally of the car.

1,485,110. TUNNEL KILN. HUGO W. H. BEYTH, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1920, Serial No. 430,876. Renewed Jan. 7, 1924. 6 Claims. (Cl. 25—142.)



1. A tunnel kiln comprising a movable kiln car platform, a refractory turntable mounted thereon to rotate in a horizontal plane, a plane-surfaced layer of super refractory material on said table to support the ware, a refractory superstructure supported upon said movable platform partially surrounding said turntable at the sides to form a car body having a substantially solid top, and means for rotating the turntable while the car is within the tunnel kiln.

1,485,111. RADIO TRANSMISSION SYSTEM. JOSEPH BETHENOD, Paris, France. Filed Aug. 2, 1921. Serial No. 489,306. 8 Claims. (Cl. 250—17.)



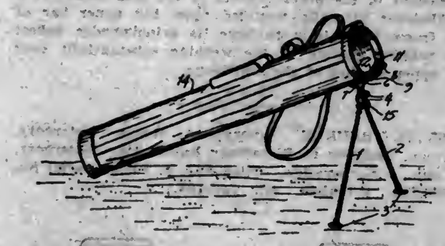
1. In a radio transmission system, an aerial divided into two separate sections adapted to radiate different wave lengths, generators therefor, and a connection of substantially infinite impedance in each of said sections to the wave length of the other section for limiting induction effects therebetween.

1,485,112. GAS VAPORIZER. HERBERT A. CHURCH, Crary Mills, N. Y. Filed Aug. 11, 1920, Serial No. 402,880. Renewed June 8, 1923. 2 Claims. (Cl. 48—180.)



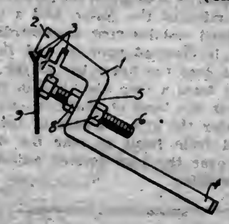
2. The combination with the cylinders of a gas engine and the intake manifold connected thereto, of a plurality of stationary spherical members mounted in the gas passages of the manifold, two of said members disposed close to the intake port of the cylinders, the third member being disposed in the down-leg of the manifold adjacent the juncture of the said leg with the arms of the manifold, the members adjacent the intake ports being adjustable for diverting the explosive mixture towards the opposite sides of the intake ports.

1,485,113. GOLF-BAG SUPPORT. FRANCOIS W. DE BLIEUX, Chicago, Ill. Filed Oct. 9, 1922. Serial No. 593,371. 2 Claims. (Cl. 150—1.5.)



2. In a golf bag support, a head comprising integral spaced portions adapted for frictional engagement with the mouth of the bag, legs extending from said head and adapted yieldingly to spread apart as they recede therefrom, a hook slidable upon said legs whereby they may be retained in parallelism at will, and feet terminating said legs.

1,485,114. SAW SET. OTTO FRISK, Kiron, Iowa, assignor to A. E. Anderson, Kiron, Iowa. Filed Aug. 8, 1921. Serial No. 490,673. 1 Claim. (Cl. 76—71.)



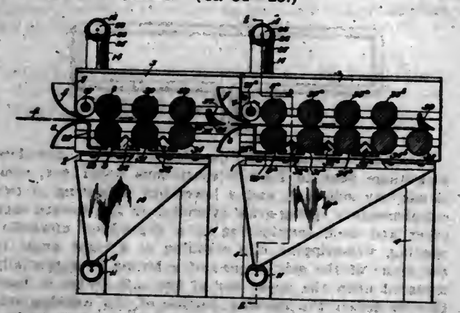
In a saw set, a frame comprising substantially parallel ends, one of said ends terminating in a head and being formed with a plurality of parallel notches, the depth of the successive notches increasing as they recede from said head, the intermediate portion of said frame being disposed at right angles to said ends and formed with a threaded perforation, a screw gage arranged in said threaded perforation and disposed parallel to the ends of said frame, and means for locking said gage in adjusted position.

1,485,115. PROCESS OF MAKING CONFECTIONS. FRANK L. GUITTARD and ALFRED L. CARRIL, San Francisco, Calif., assignors, by mesne assignments, of one-third to Frank X. Schwarzenbek, San Francisco, Calif. Filed Aug. 1, 1922. Serial No. 579,027. 11 Claims. (Cl. 91—68.)

5. The process of applying chocolate coatings to candy centers which consists in placing centers in a container, causing movement of the centers while in the container, introducing warm melted chocolate into the container during the movement of the centers, then introducing into the container dry powdered chocolate.

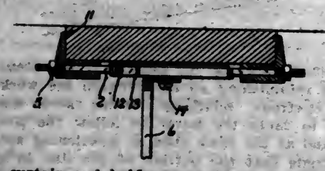
11. The process of applying chocolate coating to candy centers which consists in placing the centers in a container, causing movement of the centers while in the container, introducing warm melted chocolate into the container during movement of the centers, then introducing a dry powdered edible substance into the container during movement of the centers and then alternately introducing warm melted chocolate and dry powdered edible substance until coatings of the desired thickness are produced on the centers.

1,485,116. TIN-PLATE POLISHING AND CLEANING MACHINE. JAMES E. KANE and ARTHUR J. MASKERNY, Jr., Canton, Ohio. Filed June 30, 1922. Serial No. 571,910. 2 Claims. (Cl. 51—23.)



1. A tin plate cleaning and polishing machine including a series of rolls through which tin plates are adapted to pass horizontally, and a conveyer for depositing cleaning material upon the tin plates as they pass through the machine, the conveyer comprising an endless chain having buckets rigidly mounted thereon arranged to travel transversely across the machine, and means for vibrating the chain as it passes over the plates to evenly distribute the cleaning material thereon.

1,485,117. CURTAIN HOLDER. PETER KUSNIEWSKI, Milwaukee, Wis. Filed Sept. 16, 1921. Serial No. 501,052. 2 Claims. (Cl. 156—24.)



2. A curtain rod holder comprising a yoke of adjustable width having two overlapping portions, a curtain rod supporting member adjustably clamped to said overlapping portions and adapted to bind them in rough adjusted position, said overlapping portions having screw-threaded extremities, a pair of clamping members slidably carried by said screw-threaded extremities and adapted to grip opposite sides of a window casing, and nuts carried by said screw-threaded extremities and adapted to force said clamping members into binding engagement against sides of said window casing.

1,485,118. MUFFLE TUNNEL KILN. THURE LARSSON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 28, 1921, Serial No. 440,610. Renewed Jan. 7, 1924. 23 Claims. (Cl. 25—142.)



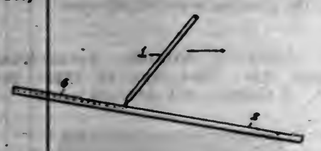
1. A tunnel kiln comprising outer walls defining a kiln chamber for conveying ware therethrough, a combustion chamber within the kiln arranged longitudinally thereof, means providing an air conduit adjacent the combustion chamber, and means for positively circulating air through said conduit to absorb heat from the combustion chamber and transfer it indirectly to the ware.

1,485,119. BUCKLE. JEROME R. LA VIGNE, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,720. 1 Claim. (Cl. 24—184.)



In a rustless buckle, the combination with a one-piece wire-frame bent to form a continuous upper bar, complementary side-bars, and a lower bar consisting of two complementary spring-arms extending in line toward each other and each terminating in a depending, upwardly-opening, web-gripping clip standing at a right angle to the plane of the said frame; of a buckle-lever pivotally mounted upon the upper bar of the said frame in position to deflect the running portion of the webbing substantially over the complementary spring-arms of the frame.

1,485,120. ARC WELDING. JAMES F. LINCOLN, East Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 28, 1922. Serial No. 570,449. 3 Claims. (Cl. 219—10.)



1. In metal working by electricity, the steps which consist in establishing an arc between the work and a suitable electrode, relatively moving such work and electrode to cause the latter to follow the line to be welded, and at the same time so positioning such work and electrode that the portion of the line in question under the arc inclines downwardly in the direction of travel of the electrode relatively to the work.

1,485,121. GARMENT-FASTENER BUTTON. JULIUS MALTZ and THEODORE H. MILLER, Waterbury, Conn., assignors to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Feb. 6, 1923. Serial No. 617,287. 3 Claims. (Cl. 24—245.)

1. A garment-fastener button, having a button-base provided with two upstanding prongs, and a solid button-head of resilient material in which the said prongs are driven and embedded for the anchorage of the head



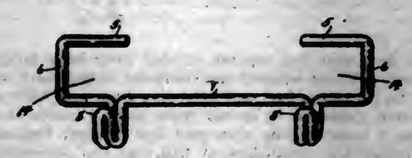
to the base, the ends of the said prongs being bent within the outer face of the said solid head for anchoring the head to the base.

1,485,122. BUCKLE. THEODORE H. MILLER, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,768. 1 Claim. (Cl. 24—18.)



A rustless buckle having a one-piece, wire frame bent to form a continuous upper bar, side-bars, two inwardly-extending aligned loops forming the lower bar of the frame, and two inwardly-extending gripping-arms forming extensions of the lower reaches of the said loops; of a buckle-lever pivotally mounted upon the upper bar of the frame in position to have its gripping-edge deflect the running portion of the webbing substantially over the upper reaches of the said loops.

1,485,123. BUCKLE. ROSWELL A. MOORE, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,738. 2 Claims. (Cl. 24—184.)

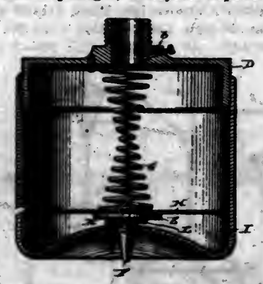


1. In a rustless buckle, the combination with a one-piece wire-frame having its lower bar bent to form a depending, upwardly-opening gripping-hook for the reception of the fixed end of the webbing upon which the hook is clamped, of a buckle-lever pivotally mounted upon the upper portion of the frame, and a piece of webbing having its fixed end inserted downwardly into the said hook, which is clamped upon it and then passed from front to rear over the lower bar of the frame and then downward to form a loop and then in front of the said hook and over the bend of the fixed end of the webbing and then under the gripping-edge of the said lever, and then upward from front to rear for deflection by the buckle-lever over the loop formed adjacent to the fixed end of the webbing.

1,485,124. STETHOSCOPE. MAGNUS J. MYERS, Daytona, Fla. Filed Feb. 14, 1922. Serial No. 536,534. 2 Claims. (Cl. 181—24.)

1. A stethoscope of the character indicated comprising a cylindrical body section, a concavo-shaped bottom section integral with and closing the lower end of the body section, and having a central opening, a top section longitudinally adjustable within the open end of the body section and formed with a sound outlet, a diaphragm dimensioned in accordance with the interior of the body

section, and located therein immediately above the bottom section, a weighting element affixed to the lower surface of the diaphragm, a stylus depending from the



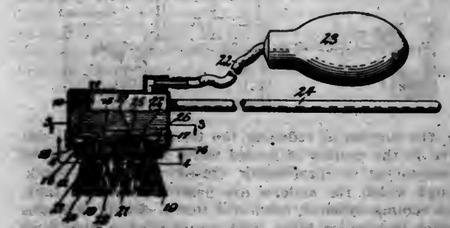
weighting element and projecting through the opening in the bottom section and a spring interposed between said top section and the diaphragm.

1,485,125. WINDOW VENTILATOR. ALFRED C. SCHOEPFER, Detroit, Mich. Filed Sept. 16, 1921. Serial No. 501,016. 3 Claims. (Cl. 98—31.)



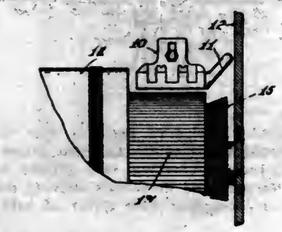
1. In a ventilator, brackets adapted to be secured to each vertical side of a window frame on the interior thereof, each having a lug adjacent the sill end, a channel member for each bracket, each being offset at the lower end to provide a foot to engage over the outside of the lug of the respective bracket, means for securing the said offset lower end and lug in pivotal relation, a foldable fabric member connecting each channel with its respective bracket, and a glass deflector member engaging in the channel members at each end and having the lower portion of the said edge notched to extend about the bracket permitting the lower edge of the glass to lie in close proximity to the sill below the said pivot points.

1,485,126. APPLICATOR. HENRY SCHUMACHER, Buffalo, N. Y. Filed July 18, 1921. Serial No. 485,668. 4 Claims. (Cl. 128—65.)



1. An applicator having a receptacle adapted to receive the material to be applied and comprising a tubular body and a head arranged at the front end of said body, said head having outer and inner disks which are spaced apart, ducts extending through said disks, bristles extending through said outer disk into the space between the same and the inner disk, and a filling of cement arranged between said disks and securing the inner end of the bristles therein.

1,485,127. ARCING MEANS FOR BRUSH HOLDERS. EDWARD SEARS, Deer Lodge, Mont. Filed Sept. 13, 1922. Serial No. 587,950. 5 Claims. (Cl. 171—324.)



5. In combination with the case of a commutating motor or generator and its brush holders, conducting means disposed intermediate of the brush holding ends of the brush holders and the case of the motor or generator adapted to reduce the air gap therebetween and to induce grounding of an arc at the brush holders through the casing.

1,485,128. PISTON PACKING RING. FRANK E. SMALL, Jamaica, N. Y. Filed June 14, 1923. Serial No. 645,361. 2 Claims. (Cl. 74—109.)



2. A piston packing ring comprising a split ring provided with interlocking end portions adapted to engage on insertion to permit a limited outward movement of the ring, said ring being also provided with notch portions forming shoulders adapted to each be pressed toward the other end to effect the engagement of the said interlocking end portions in the piston ring.

1,485,129. BURNER FOR PETROL GASES AND THE LIKE. HUBERT ELWELL SMITH, London, England. Filed Aug. 25, 1923. Serial No. 659,383. 2 Claims. (Cl. 158—112.)



1. A burner for gasolene and air mixtures, comprising a tube having perforations large enough to provide for the passage of the flames and products of combustion distributed along its length, the tube being closed at one end, transverse diaphragms of gauze at the other end to prevent backfire, and a perforated partition extending longitudinally of said tube to form a combustion chamber therewithin, the outer surface of said partition constituting a combustion surface.

1,485,130. HAIR-CUTTING TOOL. WALTER SOVITZKY, Milwaukee, and CHARLES DURAN, Kenosha, Wis. Filed Feb. 9, 1923. Serial No. 617,906. 1 Claim. (Cl. 30—1.)

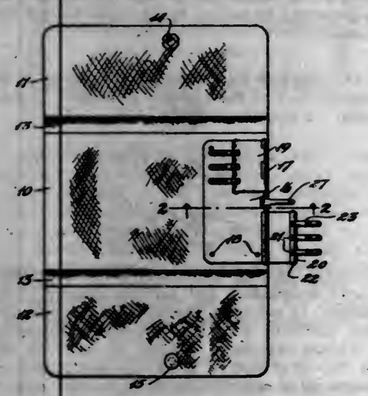
In a hair cutting machine, the combination of spaced sets of stationary teeth, said teeth acting as a comb for guiding the hair towards the rear portions, one set of

teeth being relatively coarse and the other set of teeth being relatively fine, said fine set of teeth being arranged in an order of decreasing length, a reciprocatory cutter bar for each set of teeth, said cutter bars each having a series of relatively short cutting teeth cooperating with



the first mentioned series of teeth, a pair of cranks revolubly mounted intermediate the two series of stationary teeth, links connecting said cranks with the respective cutter bars and detachable driving means for selective operative coupling with either of said cranks.

1,485,131. SECURITY CASE. HIRAM C. STALLINGS, Carrollton, Ga. Filed Nov. 22, 1922. Serial No. 602,534. 5 Claims. (Cl. 150—40.)



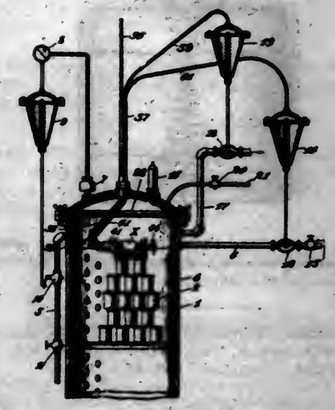
1. In a key case of the class described, a base plate, swinging plates hinged to one edge of the base plate, swinging hooks hinged to the free edge of each plate and a further hook pivoted directly to the base plate.

1,485,132. METHOD OF MAKING ABRASIVE WHEELS. PETER JOEL STIEFEL, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1920, Serial No. 418,582. Renewed Jan. 7, 1924. 6 Claims. (Cl. 25—153.)



1. The method of making an abrasive wheel, comprising the steps of supporting the wheel consisting of granular abrasive and heat setting bonding material upon a substantial portion of its peripheral face by a refractory, retaining the wheel in such position and firing it while in this position to bond the abrasive grains.

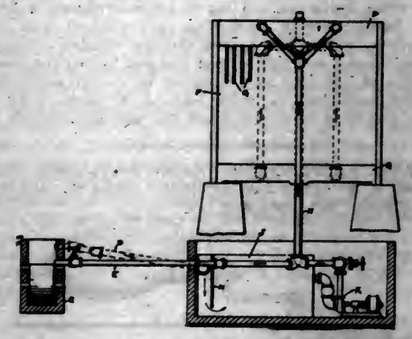
1,485,133. METHOD AND APPARATUS FOR AUTOMATICALLY CONTROLLING PROCESSING. WILLIAM P. WHITE, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed June 25, 1921. Serial No. 480,442. 19 Claims. (Cl. 99—2.)



1. In the art of preserving food products by applying heat in a closed retort to sealed food packages having flexible portions, the method of regulating external pressure on said packages which method comprises reducing the pressure in said retort when said flexible portions have moved inwardly beyond a predetermined limit.

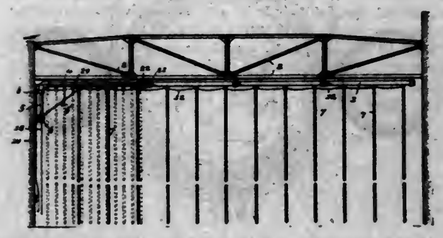
7. An apparatus for preserving foods by heat treatment of sealed packages comprising in combination a closed retort, means to supply fluid pressure to said retort, means to release fluid pressure from said retort, and devices operable by a portion of a specimen package to operate the means to supply pressure when the pressure in the retort is less than the pressure within the package, and to operate the means to release pressure when the pressure in the retort is greater than the pressure in the specimen package.

1,485,134. PROCESS AND APPARATUS FOR REDUCING THE TEMPERATURE OF COOLING OIL. HERBERT A. WRIGHT, Detroit, Mich. Filed Jan. 3, 1921. Serial No. 434,771. 6 Claims. (Cl. 266—6.)



1. The process of reducing the temperature of oil employed in the cooling of heated metal articles, consisting in employing a practically closed containing tank, through which the articles are passed, a settling tank, and a cooling radiator, connected into a circuit by means of inlet and outlet pipes, and establishing a flow from said containing tank to the bottom portion of said settling tank, thence from the upper portion of the latter to said cooling radiator, and thence back to said closed containing tank.

1,485,135. TRACK FOR GYMNASIUM CLIMBING POLES. FRANK ALBACH, St. Louis, Mo., assignor to Fred Medart Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 21, 1922. Serial No. 555,879. 17 Claims. (Cl. 46—67.)



1. In a pole climbing apparatus, the combination of a stationary track section, a swinging track section adapted to move into aligned relation with the stationary section, a latch mechanism adapted to lock said sections in aligned relation, a series of trucks having movement upon said tracks, means for limiting the degree of separation of said trucks, the swinging track section having a length sufficient to store the series of trucks in a closely arranged condition, and a series of climbing poles suspended from said trucks.

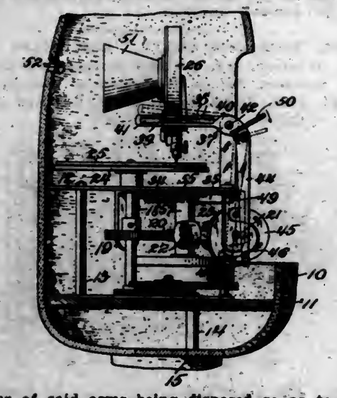
1,485,136. CLOSURE FOR RECEPTACLES. HENRY A. HOUSE, Bridgeport, Conn. Filed Aug. 31, 1922. Serial No. 585,390. 5 Claims. (Cl. 220—60.)



1. A receptacle closure, comprising a tubular member having an inturned upper margin and a chine depressed inwardly from the outer surface of said member, and a head having an upwardly inclined outer margin terminating in a rounded shoulder adapted to bear against the inturned upper margin of said member, and a depending flange provided with tongues adapted to engage the chine of said member.

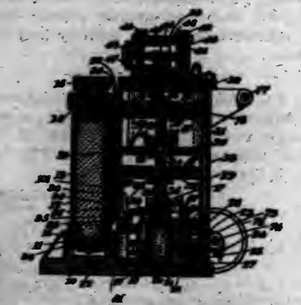
1,485,137. TALKING DOLL. CHARLES A. HUNTER, Far Hills, N. J. Filed Dec. 6, 1922. Serial No. 605,224. 1 Claim. (Cl. 274—14.)

A phonograph comprising a motor frame, a motor in the frame, said motor including a brake, a record support above the frame, a reproducer mounted in the body portion so as to swing horizontally and vertically, a right-angled lever pivoted at the juncture of its arms, a pin on the reproducer engaging one of said arms and adapted to be raised thereby and to descend by gravity along said arm so as to be returned to its initial starting position,



the other of said arms being disposed so as to engage the brake to stop the motor when such return of the reproducer takes place.

1,485,138. LIFTING JACK. LAWRENCE T. JOHNSON, Buffalo, N. Y. Filed Apr. 7, 1923. Serial No. 630,443. 4 Claims. (Cl. 138—9.)



1. In a lifting jack, a cylinder, a lifting piston in the cylinder, a pump cylinder, a pump piston in the same, means for operating the pump piston, there being a passage from the pump cylinder to the lifting piston cylinder and a suction passage to the pump cylinder from a source of supply, a check valve in the passage from the pump cylinder to the lifting piston cylinder, a check valve in the passage from the pump cylinder to the source of supply, and means actuated by the lifting piston for opening and holding open the check valve in the passage from the pump cylinder to the source of supply when the lifting cylinder has been moved a predetermined distance.

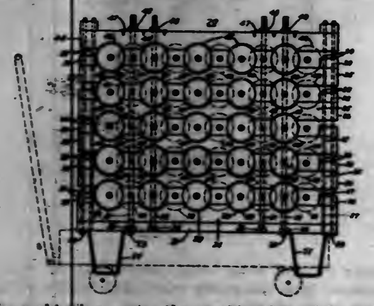
1,485,139. HOSE COUPLING. SAMUEL LEVITT, Brooklyn, N. Y., assignor to The Okonite Company, Passaic, N. J., a Corporation of New Jersey. Filed Aug. 16, 1921. Serial No. 492,655. 4 Claims. (Cl. 285—87.)



4. A hose coupling comprising a conically recessed case member, a ferrule enclosing a hose end and entering said case member, and a pliable spiral element cooperating

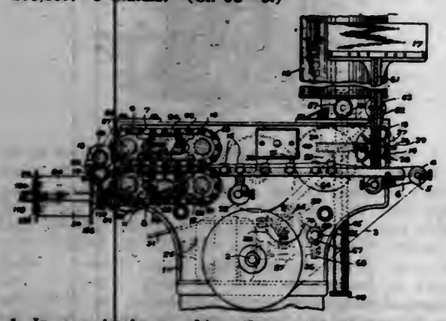
with said ferrule and adapted to be positively rotated and forced against the hose when the case member and ferrule are secured together.

1,485,140. SHIPPING CRATE. HARL ALLEN MCCORMICK, Anderson, Ind., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed Oct. 27, 1921, Serial No. 510,827. Renewed July 30, 1923. 8 Claims. (Cl. 217—13.)



1. In a shipping crate, the combination with a plurality of frames including longitudinal members provided with transverse indents in the upper and lower surfaces thereof, forming receptacles for articles of manufacture; of a base adapted to have the frames placed in stacked relation thereon; and means secured to the base for rigidly holding the frames in position thereon whereby the articles of manufacture will be securely held in position in the indents.

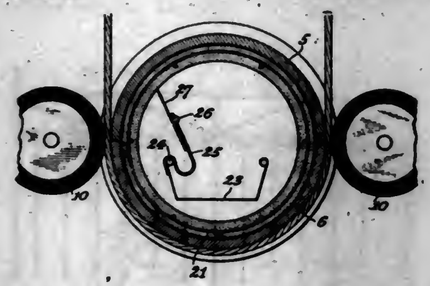
1,485,141. PACKAGING MACHINE. CHARLES H. MACDONALD, Montclair, N. J., assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J., a Corporation of Delaware. Filed Feb. 20, 1919. Serial No. 278,289. 3 Claims. (Cl. 93—5.)



1. In a packaging machine, the combination of means for forming a package comprising a continuous strip of separated article holding compartments, means for severing said strip at predetermined intervals, and means for accumulating severed portions of said strip in predetermined numbers, including a multi-compartment hopper arranged in position to receive said severed portions in one compartment at a time, and means co-operating with the severing mechanism for moving said hopper to present another compartment in severed portion receiving relation to the severing means periodically upon the severing of a predetermined number of portions.

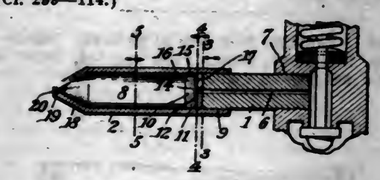
1,485,142. PROCESS AND APPARATUS FOR MAKING CENTRIFUGAL CONCRETE PIPES. JOHN C. MITCHELL, East Orange, N. J., assignor to Lock Joint Pipe Company, Ampere, N. J., a Corporation of New Jersey. Filed Apr. 28, 1922. Serial No. 557,123. 10 Claims. (Cl. 25—30.)

1. In the process of making centrifugally molded concrete pipes, the steps herein described of depositing concrete in a rotating mold and removing the laitance and other objectionable matter from the interior surface of the pipe by the wiping action of a body yielding in the direction of rotation of the mold and while said mold is still in rotation.



4. The combination with a rotary mold for the manufacture of centrifugally molded concrete pipes, of overhead pulleys in fixed bearings, endless belts running over the same and pulleys on the mold which is slung in the endless belts, whereby the mold is supported and may be rotated by said belts, and steadying wheels engaging the pulleys on the mold for maintaining the mold in proper position.

1,485,143. OUTLET NOZZLE FOR ATOMIZING AND SPRAYING LIQUID ANTISEPTICS UNDER PRESSURE. LEWIS KEMPTON MOSLEY, New York, N. Y. Filed Apr. 17, 1920. Serial No. 374,669. 5 Claims. (Cl. 299—114.)



2. An outlet nozzle for spraying liquids under pressure, comprising a tubular body having interposed in its bore intermediately of its inlet and outlet ends a gradually widening spiral channel having its longitudinal extent in the same plane transversely of the bore and forming part of the longitudinal extent of said bore.

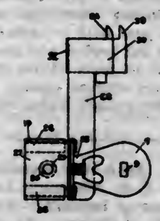
1,485,144. RECEPTACLE. GUY E. MORGAN, Chicago, Ill., assignor to The Jumbo Specialty Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 25, 1922. Serial No. 546,575. 17 Claims. (Cl. 229—8.)



1. An elongated collapsible receptacle in the form of a figure having three dimensions, said figure having its head disposed about the end of said receptacle, and closure flaps for said end operation of which simulates opening and closing of the mouth of the figure.

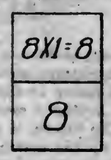
1,485,145. BRACKET FOR SUPPORTING WINDOW SHADES, CURTAINS, AND OVERDRAPES. EDWARD MORRISON, WILLIAM F. FUTRALL, and ALEXANDER EGLINSKI, Lorain, Ohio. Filed Mar. 16, 1922. Serial No. 544,143. 1 Claim. (Cl. 156—24.)

In a bracket for attachment to the side frame members of a window, the combination with a flattened base member, said base member being of greater length than width and being formed of a single strip of sheet metal, said base member having turned-over side portions to form a slideway disposed longitudinally of a main portion of the base member, an L-shaped window shade roller holding bracket having one of its arms of greater width than the connecting neck portion between the arms, said greater width portion being adapted to be received within the slide-way, and adapted to be moved longitudinally of the frame member within the slideway to any one of various desired positions, a threaded set screw adapted to clamp said member to the base member, said screw being adapted to hold the L-shaped member in any set adjusted position, said bracket having an opening adapted to receive the end of a shade roller, said base member having a turned down portion



disposed at right angles to the main portion of the frame member and a wood screw receiving opening in the turned down portion adapted to permit a wood screw to pass therethrough to secure the end of the said frame member to a side of the wood frame of the window, said base member turned down end portion having turned over sides whereby a slideway is provided within said last named portion, a substantially L-shaped flat sheet metal curtain support having a curtain rod engaging prong extending upwardly therefrom, the lower arm of said L-shaped support adapted to slide in the said last named slideway and to fit snugly therein, said wood screw adapted to pass through and lock said support in the slideway, said prong adapted to fit into a curtain rod opening to carry the curtain rod.

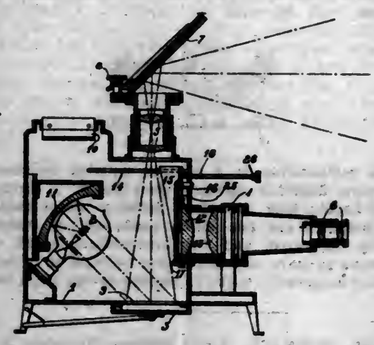
1,485,146. EDUCATIONAL AND GAME CARDS. ROSCOE MUNDELL, Robesart, Saskatchewan, Canada. Filed May 18, 1920. Serial No. 382,432. 1 Claim. (Cl. 283—44.)



An educational device comprising a deck of cards each of which has its obverse and reverse faces divided into upper and lower portions, the upper portion of the reverse face of each card having a multiplier, multiplicand, and product, and the lower portion having a number corresponding to the multiplier of the upper portion, the upper portion of the obverse face of each card having a letter of the alphabet and the name of an object beginning with such letter and the lower portion having a pictorial representation of the object named in the upper portion, said upper portion of the obverse side of each card having a number in an upper corner thereof representing the numerical position of such letter in the alphabet.

1,485,147. PROJECTION APPARATUS WITH MOVABLE CONDENSING LENS. WILLIAM L. PATTERSON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,370. 5 Claims. (Cl. 88—26.)

1. In a projection apparatus, the combination with a source of light, of a holder for objects to be projected by transmitted light, a holder for objects to be projected by reflected light, and an adjustable condenser lens in optical relationship with the first mentioned object holder,



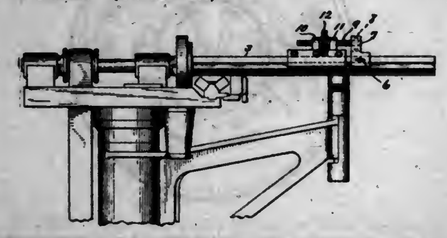
and means for moving said lens nearer the light source when the apparatus is to be used for transmitted light alone than when used for reflected light.

1,485,148. APPARATUS FOR THE EASY CLAMPING OF THE PROTECTING TUBES USED IN PERMANENT WAVING OF THE HAIR. HENRI ROBERT PHILIPPE, Paris, France, assignor to Felix Coune, Chicago, Ill. Filed Nov. 14, 1922. Serial No. 600,885. 1 Claim. (Cl. 132—36.)



In combination with a heating tube for a hair waving appliance, of a clip and a scalp protector comprising a pair of clamping levers hinged at one end, said levers being provided at the other end with operating handles, and means intermediate said handles and hinge adapted to hold the clamping levers around the end of the tube adjacent to the scalp, whereby the tube will be sealed and the scalp protected from the heat applied to the tube during the hair waving operation.

1,485,149. ATTACHMENT FOR TRIMMING MACHINES. HENRY RENKEN, New York, N. Y., assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed May 3, 1922. Serial No. 558,321. 4 Claims. (Cl. 29—67.)



1. In a trimming machine, the combination of an adjustable stop, a member cooperating therewith and adapted to be rigidly secured to the side of the work table of the machine and a floating connection between the stop and said member.

1,485,150. SPLICING MECHANISM FOR CIRCULAR-KNITTING MACHINES. FRANK W. ROBINSON, Reading, Pa. Filed Aug. 22, 1922. Serial No. 583,538. 4 Claims. (Cl. 66—21.)



1. In combination in a circular knitting machine, a main yarn finger, a splicing yarn finger, a circle of needles having long and short butts, a set of knitting cams including the two stitch cams, one of which is pivotally supported, and the intermediate guard cam, and means to move said guard cam to cause it to be operative or inoperative with the needles having short butts.

1,485,151. FURNACE. LOUIS ROESSEL, Brooklyn, N. Y.; ARTHUR E. BELLIS, Springfield, Mass., and CHARLES S. COLLINS, Bronx, N. Y., assignors to Bellis Heat Treating Company, New Haven, Conn., a Corporation of Connecticut. Filed May 4, 1921. Serial No. 466,780. 10 Claims. (Cl. 263—14.)



1. A furnace for heat treating metals having a high temperature chamber from which free air is excluded, and preheating and quench chambers open to the atmosphere, means for supplying a combustible fuel mixture to the high temperature chamber, and means for transferring the products of combustion from said high temperature chamber to the preheating and quench chambers.

1,485,152. BAROMETER. MYLES TREGONMOUTH SANDYS, Rock, England. Filed Mar. 20, 1923. Serial No. 626,300. 9 Claims. (Cl. 73—4.)



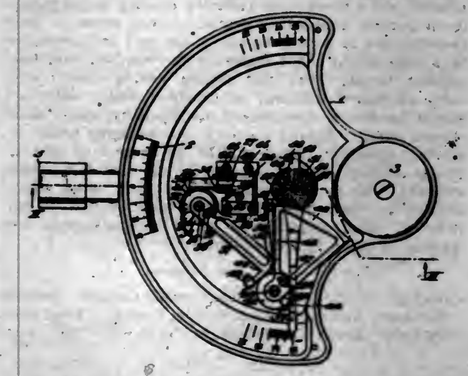
1. In a barometer, the combination of a pressure-scale, an altitude-scale arranged to be read against said pressure-scale, and an index co-operating with said altitude-scale and said pressure scale, said index and said altitude-scale being arranged to be set one in relation to the other.

1,485,153. ELECTRIC HEATER. FRANK E. WOLCOTT, Hartford, Conn. Filed May 19, 1921. Serial No. 470,852. 14 Claims. (Cl. 219—19.)



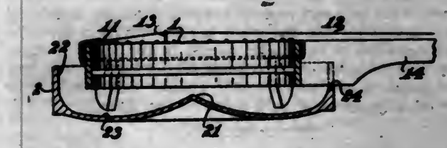
1. In a heating device, the combination with a heat receiving member having a flat radiating surface, of a heating unit co-operating therewith, said member and unit being provided one with a tapered cavity on the side remote from the flat surface and the other being correspondingly tapered to mate therewith to hold them automatically by direct surface contact in predetermined position with said flat surface horizontal.

1,485,154. GAUGE. ERIK H. ALDEBORGH, Poughkeepsie, N. Y., assignor to C. E. Johansson, Inc., Poughkeepsie, N. Y., a Corporation of Delaware. Filed Nov. 5, 1920. Serial No. 422,042. 3 Claims. (Cl. 33—147.)



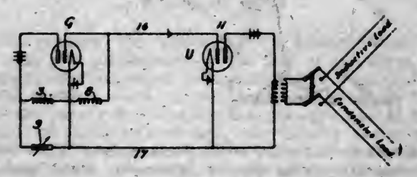
1. In a gauge, a body portion, a sleeve having a limited rectilinear reciprocating movement therein, means yieldingly holding the sleeve at the limit of its outward movement, a plunger having a measuring pin, longitudinally adjustable in the sleeve, a clamp carried by the sleeve, a pin carried by the clamp, and motion converting and amplifying mechanism operated by said pin.

1,485,155. BANJO RESONATOR. ALBERT M. ANDERSON, Seattle, Wash. Filed May 22, 1922. Serial No. 562,782. 7 Claims. (Cl. 84—271.)



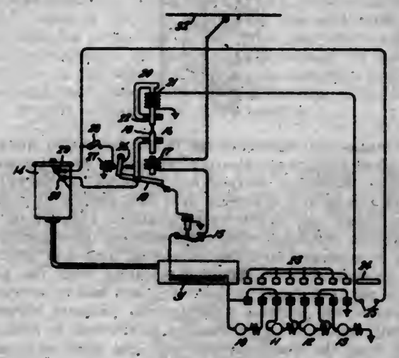
7. A resonator for banjos and like musical instruments comprising a substantially circular shell having a sharp central peak, the surface between the periphery and peak being formed on a curve which is concave in cross section towards the banjo at all points, and the center of curvature of which follows a circle lying towards the periphery of the resonator from an axis extending through its center.

1,485,156. SYSTEM OF DISTRIBUTION. HAROLD D. ARNOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 28, 1917. Serial No. 188,562. 18 Claims. (Cl. 250—36.)



1. An oscillation generator comprising a resonant circuit for determining the frequency supplied by said generator, a load circuit adapted to be energized by said generator and a three electrode electric discharge repeater for transferring alternating current energy from said generator to said load circuit and preventing said load circuit from reacting on said generator.

1,485,157. OVERLOAD PROTECTIVE DEVICE. CLINTON J. AXTELL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1920. Serial No. 394,983. 5 Claims. (Cl. 200—96.)



1. An overload circuit breaker adapted to open at a plurality of predetermined different values of current in the circuit controlled thereby, comprising a coil energised responsively to the current in the controlled circuit, a magnet structure therefor, a switch member controlled thereby for controlling the controlled circuit and electromagnetic means for changing the magnetic reluctance of the said magnetic structure to change the value of current at which the circuit breaker is to open.

5. An overload circuit breaker adapted to open at one value of current when the translating device controlled by the breaker is connected to a source of supply of one voltage and to open at a higher value of current when the translating device is connected to a source of supply of lower voltage, comprising a coil energized by the current, a magnet structure therefor, a switch member controlled thereby, the said magnet structure having a magnetic movable member, and an electromagnet energised from the source of lower potential for moving the said movable member to vary the magnetic reluctance of the said magnet structure to vary the value of current at which the circuit breaker is to open.

1,485,158. GEAR. ROGER D. BABSON, Springfield, Mass., assignor to Baush Machine Tool Company, a Corporation of Massachusetts. Filed Nov. 30, 1921. Serial No. 518,995. 1 Claim. (Cl. 74—7.)

A gear composed of an alloy consisting chiefly of aluminum and containing copper, magnesium, manganese and chromium, which alloy has been worked and heat treated, the magnesium being less than 1%, the copper being 2% to 5% and the chromium and manganese taken together being about 1% or less of the composition.

1,485,159. HEATER OR LIKE UTENSIL. ROBERT BARTHOLOMEW, Bridgeport, Conn. Filed Apr. 19, 1920. Serial No. 374,865. 3 Claims. (Cl. 126—261.)



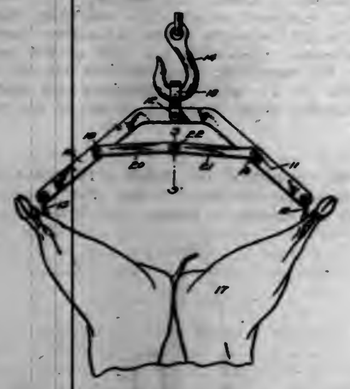
3. A heater for bottles and other food containers comprising a shallow pan-member of relatively large diameter having a handle on its side and a beaded circular rim, and a separable cover adapted to fit around the rim of the pan-member and to be held in position thereby, said cover formed with inwardly sloping side walls extending a considerable distance above the pan-member to provide a frusto-conical steam dome for collecting the vapor arising from the water in the pan, the walls of said cover merging into a contracted cylindrical neck at the top having parallel sides extending upwardly to surround the upper portion of the bottle at a slight distance from the sides thereof whereby to provide a narrow steam passage through which the vapor is impelled at high velocity due to the accumulated pressure in the steam dome.

1,485,160. MASK-SUPPORTING MEANS. MORDECAI BASSAN, Brooklyn, N. Y. Filed May 18, 1923. Serial No. 639,775. 5 Claims. (Cl. 2—119.)



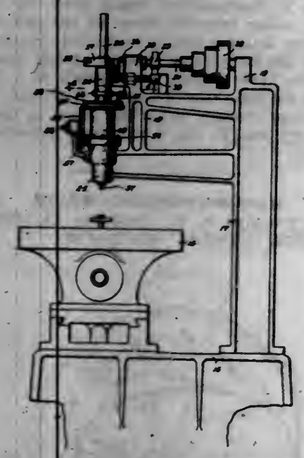
1. Mask supporting means of the character designated, comprising a crown band frame, mask supporting arms pivotally mounted on said frame, a mask attached to and between said supporting arms, a spring which tends constantly to retract said arms, and an automatic spring latch for engaging a supporting arm when lowered, substantially in the manner and for the purpose set forth.

1,485,161. GAMBREL. WILLIAM A. BLAKE, Alexandria, Ind. Filed May 22, 1922. Serial No. 562,707. 2 Claims. (Cl. 294—79.)



1. A device of the class described including coacting bars overlapping at one end and the overlapping portions pivotally united, a clip device bearing against one of the overlapping portions and united thereto by the same pivot by which the link members are united and outturned to bear against the adjacent edges of the overlapping portions of the links.

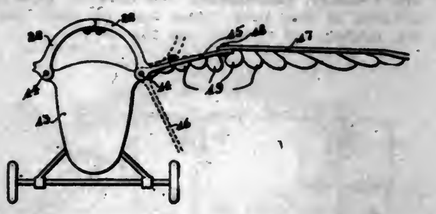
1,485,162. OSCILLATORY ARC SHAPER. ALFRED BONOM, Montreal, Quebec, Canada. Filed Aug. 2, 1921. Serial No. 493,344. 10 Claims. (Cl. 29—23.5.)



10. A device as set forth in claim 5 in which the sleeve is provided with a ratchet wheel and a gear wheel concentric therewith, a means to actuate the ratchet wheel step by step in the feeding direction, and a gear wheel meshing with the aforesaid gear wheel for the rapid rotation of the sleeve in its nonfeeding direction.

1,485,163. FLYING MACHINE. FRANK BRAUN, Los Angeles, Calif. Filed Jan. 30, 1923. Serial No. 615,948. 4 Claims. (Cl. 244—12.)

1. In a flying machine, a wing-structure having a pivot base by which the wing-structure can be swung in a vertical plane transversely to the longitudinal axis of the flying machine and having a bracing member projecting upwardly to a point above the upper surface of



the wing-structure and above the pivot base to abut with a cooperating wing-structure above the flying machine in operative position when the wings are spread.

1,485,164. MEANS FOR INDICATING THE LIQUID CONTENT OF DISTANT TANKS AND THE LIKE. THOMAS CARROLL, Langley Field, Va. Filed Jan. 3, 1922. Serial No. 526,660. 25 Claims. (Cl. 116—118.)



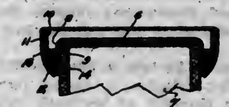
10. Means for indicating the liquid content of distant tanks, comprising an indicating instrument provided with a visible indicating surface and a series of discharge nozzles arranged to discharge onto said surface at points spaced along the length thereof, means adapted to be mounted in communication with different predetermined levels in a supply tank and connected with and placing said discharge nozzles in communication with the predetermined tank levels, respectively, and means normally inoperative for utilizing a differential pressure between a supply tank and said indicating instrument to conduct liquid from the tank and discharge the same onto said indicating surface.

1,485,165. RECEPTACLE CLOSURE. IGNATIUS J. CELONA, Brooklyn, N. Y. Filed Dec. 27, 1922. Serial No. 609,240. 2 Claims. (Cl. 215—44.)



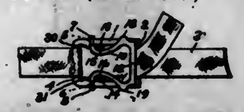
1. A jar closure of the lacquered type having a flange with means to secure the closure upon the jar, said flange having an inner bead bent outwardly and upwardly from the lower edge of the flange and being substantially concentric with the lower portion of the flange, an outer bead in one piece with the inner bead and spaced from the inner bead, said outer bead being formed by bending the material from the upper edge of the inner bead outwardly and downwardly to provide a space between the beads and to enclose this space from above, the raw edge of the material being turned inwardly into the space between the two beads.

1,485,166. JAR CAP. IGNATIUS J. CELONA, Brooklyn, N. Y. Filed Jan. 30, 1923. Serial No. 615,971. 3 Claims. (Cl. 215—40.)



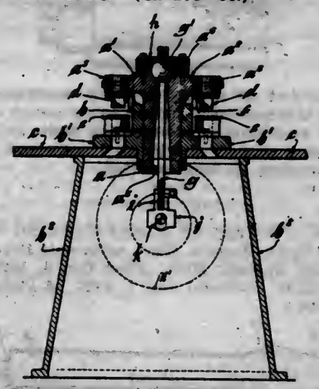
1. A container cap comprising a disc having a flange at its edge with an abutment at the base of the flange, a pressure ring supported by and extending beneath the flange, sealing means between said abutment and the pressure ring, and a releasing annulus outwardly of the flange and carrying said ring, said annulus having its upper edge lying uniformly above the plane of the disc, whereby under pressure on the top of the annulus the circumferential portion of the cap is expanded to facilitate removal of the same.

1,485,167. CLAMP. ARTHUR LEWIS COCHRANE, Toronto, Ontario, Canada. Filed May 31, 1921. Serial No. 473,752. 2 Claims. (Cl. 24—170.)



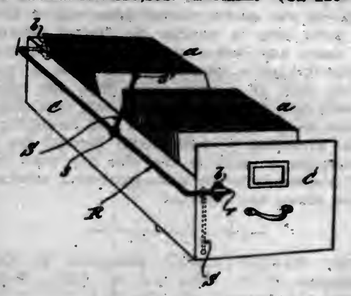
2. In a clamp comprising a body member of relatively rigid material having openings in its sides and a clamping member having resilient legs having their ends outturned to form pintles extending into and turning freely in said openings, in combination with projections on the outer faces of the legs forward of the outturned ends, and rounded projections on the inner faces of the sides of the body member in the path of movement of the projections on the legs of the clamping member adapted to cooperate with said projections on the legs of the clamping member to hold it in closed position.

1,485,168. NOTCHING OR LIKE PRESS. ALBERT ENOCH COOPER, Stafford, England, assignor of one-half to Charles Jones, Lower Broughton, Salford, Manchester, England. Filed Mar. 20, 1922. Serial No. 545,230. 5 Claims. (Cl. 164—86.)



1. In a stamping or punching press, a body part having overhanging head parts at diametrically opposite points, a stationary cylindrical guide in which said body part moves vertically, a tool holder and tool carried by each overhanging part, a stationary support for said guide, matrices carried by said support one for each tool, and means for reciprocating said body part to operate the tools.

1,485,169. SPACE INDICATOR FOR FILING DEVICES. SIEGFRIED CRYSTAL, New York, N. Y. Filed Mar. 31, 1923. Serial No. 629,101. 1 Claim. (Cl. 129—16.)



In combination with a file container of the character designated, a space indicator pivotally mounted on a longitudinal extraneous rail, said rail the extremities of which are slidably mounted on the ends of the container, said space indicator being adjustable upon said rail with relation to the length of the file, substantially in the manner and for the purpose described.

1,485,170. METHOD OF MAKING PNEUMATIC TIRES. LOUIS P. DESTRIBATS, Trenton, N. J. Filed June 17, 1920. Serial No. 389,665. 4 Claims. (Cl. 154—14.)



1. A method of making tires which includes the following steps: first, forming an endless fabric band composed of a plurality of layers; second, placing said band on an expansible annulus; third, expanding said annulus to shape the central portion of the band; fourth, shaping the edges of the inner layers of the band to the sides of the annulus; fifth, placing beads on the last named layers; and sixth, shaping the edges of the remaining layers to the sides of the annulus and to the beads.

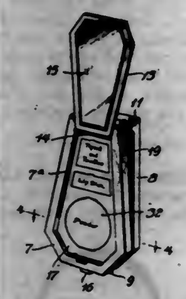
1,485,171. SPARK-PLUG TESTER. BERNARD C. DOPPEE and HARRY W. CENTNER, Cincinnati, Ohio. Filed Mar. 21, 1921. Serial No. 454,176. 1 Claim. (Cl. 175—183.)



In a hand testing implement for spark-plugs of electric ignition internal-combustion engines, the combination of a suitable handle, an insulating strip extending longitudinally from one end of said handle, an insulating guard plate having a transverse slot through which said insulating strip on the handle extends outwardly, a short narrow metal strip extending from the outer end of the said insulating strip and having a pointed inner end, and a narrow metal strip mounted on the upper surface of said insulating strip immediately

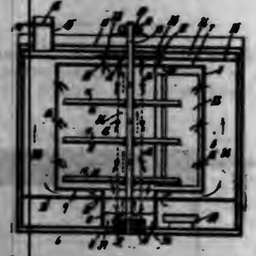
forward of said guard plate but to the rear of the pointed inner end of the said short metal strip and also having a pointed outer end that corresponds to that at the adjacent but spaced pointed inner end of the first-named metal strip to produce the desired detecting or testing spark gap, and a pendent integral metal strip extending through a transverse slot made in the said insulating strip at a right angle from the inner end of the said rear metal plate on the said insulating strip to a point below the lower edge of said insulating guard plate for grounding a short circuit through the engine and producing a spark in the said gap when ignition current is normally intact in the spark-plug, substantially as herein shown and described.

1,485,172. VANITY CASE. BENJAMIN B. DOWELL, Washington, D. C. Filed Mar. 30, 1923. Serial No. 628,865. 13 Claims. (Cl. 150—34.)



6. A vanity case comprising casing members hingedly connected at one end and having recesses in the outer sides thereof, and cover-plates hingedly connected to said casing members at the other end thereof and overlying said recesses so as to conceal toilet articles therein when the cover-plates are closed; said cover-plates being approximately of the same dimensions as the casing members; and means for releasably securing the free ends of said casing members and cover-plates in closed position.

1,485,173. BAKING OVEN. EZRA S. EATON, Newton, Mass., and WILLIAM W. CUMMINGS, Jr., Hanover, N. H., assignors to The Industrial Appliance Co. of New England, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1922. Serial No. 542,193. 8 Claims. (Cl. 107—60.)



4. A baking oven having, in combination, a vertically positioned baking cylinder, a casing surrounding said cylinder with a plurality of vertically extending chambers between said casing and baking cylinder and with a horizontal chamber extending across said baking oven between the top of said cylinder and the top of said casing, the top of said cylinder being provided with openings, a plurality of shelves with openings therethrough horizontally positioned within said cylinder, a flue extending out of the bottom of said cylinder and upwardly therefrom with openings into the atmosphere and into said horizontal chamber and means to force heated gases upwardly in said vertically extending chambers and into said cylinder and downwardly through the openings in said shelves and out of said cylinder and upwardly in said flue.

6. A baking oven having, in combination, a vertically positioned baking cylinder, a casing surrounding said cylinder with a plurality of vertically extending chambers between said casing and baking cylinder, a plurality of shelves with openings therethrough horizontally positioned and rotatably mounted within said cylinder and means to force heated gases upwardly in one of said chambers and into said cylinder and downwardly through the openings in said shelves and out of said cylinder.

1,485,174. STRIKER PLATE FOR DOORS. ARTHUR B. ELLERY, Akron, Ohio. Filed June 16, 1923. Serial No. 645,774. 5 Claims. (Cl. 70—15.)



1. A bolt keeper for doors, comprising a base plate with means by which it may be attached to the door frame, a plurality of corrugations on the outer surface of the base plate, a catch plate, a plurality of mating corrugations in the underside of the catch plate, safety catch and closed catch surfaces on the catch plate, means to secure the catch plate in position on the base plate, and a roller mounted in the closed catch surface and adapted to form a bearing surface for the door latch.

1,485,175. PLUG RECEPTACLE. ALVARADO L. R. ELLIS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 5, 1921. Serial No. 449,950. 5 Claims. (Cl. 173—332.)



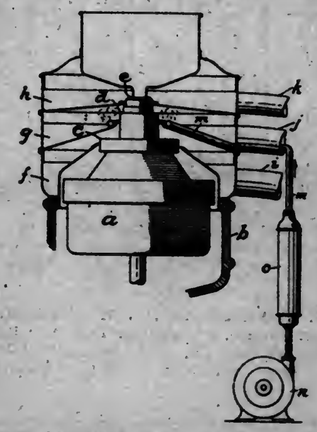
1. A contact for a plug receptacle comprising a plurality of U-shaped loops stacked on each other with the arms of successive loops extending crosswise of each other, and a conducting wire electrically and mechanically connecting the loops together.

1,485,176. PROCESS OF MANUFACTURING SPOKES. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921, Serial No. 505,243. Renewed Aug. 1, 1923. 5 Claims. (Cl. 144—309.)



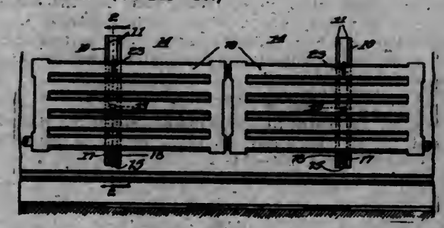
5. The process of manufacturing spokes comprising forming a tapered inner head on the billet, then chucking the tapered inner head and using it as reference and turning the body of the spoke and extension thereof, and cutting an annular groove to form the spoke tenon, as specified.

1,485,177. PROCESS AND MEANS FOR PREVENTING ONE OF TWO CENTRIFUGALLY-SEPARATED LIQUIDS FROM CONTAMINATING THE OTHER. ERIK AUGUST FORSBERG, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 20, 1923. Serial No. 669,655. 7 Claims. (Cl. 233—11.)



3. In the centrifugal separation of water from a liquid of different specific gravity, the process of preventing, after such separation, the contamination of such liquid discharging from the centrifugal bowl by the discharging water, which comprises creating a draft of air toward the locus of discharge of said liquid from the bowl and heating said air before it reaches said locus.

1,485,178. RADIATOR SUPPORT. JOHN C. FRANK, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,920. 6 Claims. (Cl. 248—30.)



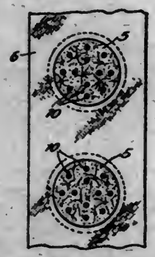
1. A support for a radiator comprising, in combination, a member having a longitudinal way therein provided by a channel provided with a central back-forming web with overhanging flanges, a block T-shaped in cross-section slidable in said channel and behind said flanges, means carried by said block to support a radiator, and means coacting with the back of said channel to press said block against said flanges to hold the block in adjusted position.

1,485,179. WHEELBARROW. JACOB L. FUNK, Vallejo, Calif. Filed Feb. 27, 1923. Serial No. 621,572. 3 Claims. (Cl. 280—52.)



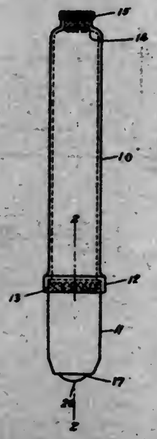
1. A wheel barrow having longitudinal side bars and legs depending therefrom, generally diagonal braces connecting the legs to the side bars, handles arranged beneath the rear ends of the side bars and pivotally connected therewith to swing vertically longitudinally of the side bars, and means to clamp the forward ends of the handles to the diagonal braces at selected adjusted positions.

1,485,180. FRICTION MATERIAL. ORRIN D. GRAY, Chicago, Ill., assignor to Advance Automobile Accessories Corporation, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,908. 4 Claims. (Cl. 188—259.)



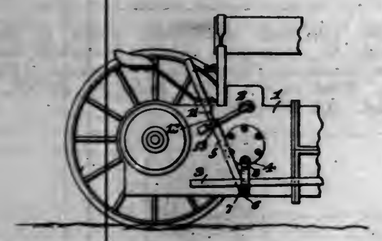
2. In combination with a band having a fabric lining adapted to be pressed against a moving surface, a compressible friction insert carried in the lining in a manner to present one face yieldably against the moving surface, and a solidified lubricant carried within the body of the insert in a manner to be exposed to the moving surface and adapted to be mechanically fed thereagainst with yielding of the insert under pressure, substantially as described.

1,485,181. MARKING DEVICE. RICHARD GRUND, Cleveland, Ohio. Filed Dec. 28, 1921. Serial No. 524,537. 3 Claims. (Cl. 120—43.)



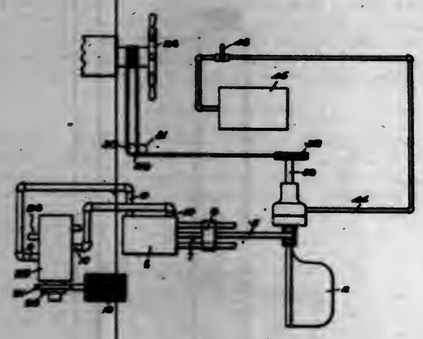
1. A marking pen comprising a tubular casing, consisting of an upper and a lower section detachably secured together, said upper section having a filling opening at its upper end, a cap for closing said opening, said lower section having a circular opening at its lower end, a ball seated in said opening, a thrust bearing arranged above said ball, said thrust bearing having a central aperture and a tubular member extending upwardly from its upper surface, a disk fixed at the upper end of said lower section, said disk having a central aperture and a tubular member adapted to extend down inside of the tubular member on the thrust bearing and a coiled spring under tension arranged between said disk and said thrust bearing.

1,485,182. CLUTCH-PEDAL HOLDER OR RETAINER. WILLIAM G. HAEHL, Manilla, Ind. Filed Aug. 18, 1923. Serial No. 658,129. 3 Claims. (Cl. 74—81.)



1. A clutch pedal holder or retainer comprising a substantially elongated bar of metallic material bent to provide an elongated resilient arm and an arcuate coupling portion, said coupling portion aperture for the passage of a hold-fast device to secure the bar in position, said arm extending at an inclination with respect to said coupling portion and provided intermediate its ends with a slit extending inwardly from one edge and further lengthwise of its center and with the material freed by the slit extended laterally with respect to the arm and bent in arcuate form to provide a hook downwardly disposed.

1,485,183. SYSTEM FOR CONTROLLING MOVING BODIES. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Aug. 6, 1914, Serial No. 855,373. Renewed July 24, 1923. 3 Claims. (Cl. 114—146.)



1. A system for the teledynamic control of moving bodies including in combination, a vessel having a rudder shaft, a rudder fast upon said shaft, means responsive to radiant energy from a distance and connected to said shaft to operate said rudder, a clutch loose upon said shaft, manual steering means, an operative connection between said manual steering means and said clutch, and means to engage said clutch and rudder.

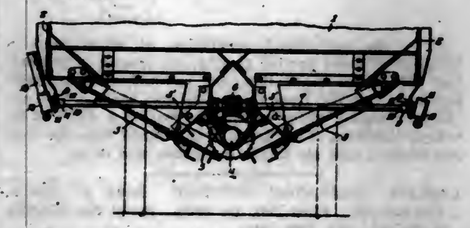
1,485,184. RADIATOR GUARD. PERCIVAL VAN R. HARRIS and JOHN D. REYNOLDS, Philadelphia, Pa. Filed Mar. 5, 1921. Serial No. 449,614. 2 Claims. (Cl. 180—68.)

1. A radiator guard for motor vehicles embodying a perimetrical frame of angular cross-section, one limb of said angular cross section being disposed in a vertical plane and the other lateral thereto, and a series of bars disposed in edgewise relation within said perimetrical



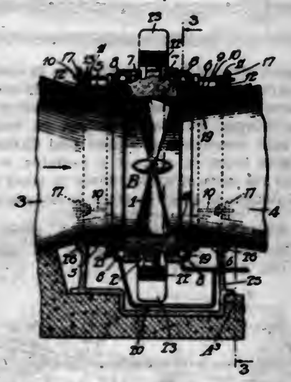
frame, said bars having their ends secured to the lateral limb of the aforesaid frame and their adjacent edges free from connection with the vertical limb thereof.

1,485,185. DOOR-OPERATING MECHANISM. HARRY S. HART, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 3, 1922. Serial No. 548,950. 10 Claims. (Cl. 105—300.)



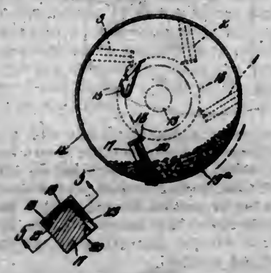
1. In combination, an operating shaft for the dump doors of a railway car, a socket secured thereto, said socket having a lever receiving portion, said portion having a hole therein having wedge-shaped lever gripping walls.

1,485,186. HYDRAULIC TURBINE. LEROY F. HARZA, Chicago, Ill. Filed Nov. 24, 1919. Serial No. 340,187. 29 Claims. (Cl. 253—148.)



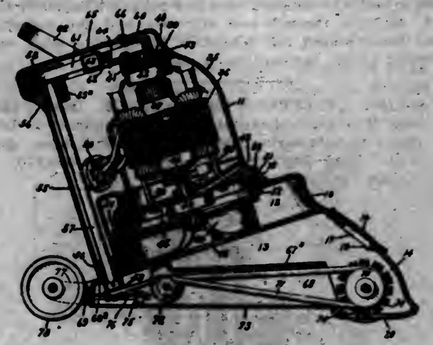
1. A hydromotive unit comprising an axial flow rotor and a rim or casing secured thereto so as to rotate therewith, constructed and arranged to be rotatably mounted with clearance between the adjacent ends of the penstock and draft tube, and means for disposing of the leakage between fixed and revolving parts substantially as described.

1,485,187. SELECTING AND DELIVERING MECHANISM FOR PACKAGING MACHINES, ETC. ANDREW Y. HODGDON, Dedham, Mass., assignor to Gordan Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1923. Serial No. 660,437. 4 Claims. (Cl. 221—135.)



1. A selecting and delivering mechanism comprising a loose article holder, a selected article receiver located outside a mass of loose articles in the holder, and a collecting member movable successively through said mass and to a delivering position relative to said receiver, and provided with means for retaining and thereby selecting an article from the mass and delivering only the selected article to the receiver, the said collecting member including a collecting and guiding portion adapted to segregate and position slidably side by side a group of loose articles from the mass, and permit the group to slide by gravity, and an article-retaining portion with which an end article of the group is temporarily engageable by a sliding movement of the group, the other articles being left loose on the guiding portion, the arrangement being such that the loose articles and the temporarily engaged article are successively released by the collecting member, the loose articles being released first and allowed to drop upon the mass, and the temporarily engaged article being subsequently released and allowed to drop into the receiver.

1,485,188. SUCTION CLEANER. EARL B. HOFF, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., a Corporation of New York. Filed Nov. 6, 1919. Serial No. 336,078. 16 Claims. (Cl. 15—8.)



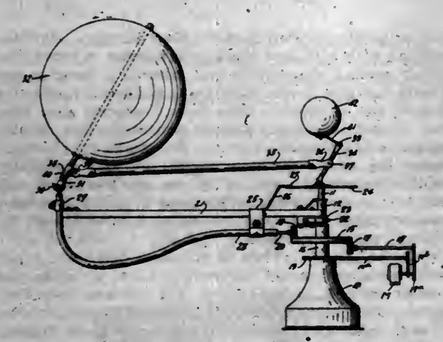
1. In a suction cleaner, the combination of a substantially horizontal fan chamber, a suction nozzle connected therewith, a rotatably mounted brush in said nozzle, a motor mounted on the fan chamber with one end of its shaft projecting into it, a fan on such end, a shaft carried by the motor shell, and separate power transmitting means connecting one end of such shaft to the end of the motor shaft remote from the fan and the other end to said brush.

1,485,189. WRINGER ROLL. GEORGE R. KELTIE, Woonsocket, R. I., assignor, by mesne assignments, to American Wringer Company, Inc. Filed Feb. 17, 1923. Serial No. 619,548. 5 Claims. (Cl. 68—33.)



1. In a wringer roll, a metal shaft, a rubber body on the shaft, and means embedded in said body and fast on the shaft and having peripheral portions embedded in the ends of the body and extending lengthwise thereof and terminating substantially at the ends of the roll.

1,485,190. EDUCATIONAL DEVICE. THOMAS C. KITE, Shenandoah, Va. Filed Nov. 13, 1922. Serial No. 600,602. 3 Claims. (Cl. 35—3.)



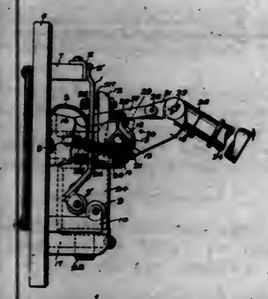
1. In an educational appliance for demonstrating the movement of the earth about the sun, a vertical shaft having an angular extension, a horizontal arm associated with the shaft, a sphere carried by the outer end of the arm, means for rotating the arm about the shaft, means for maintaining the axis of the sphere parallel to the angular extension of the shaft, and a sun sphere having its axis fixed as regards the axis of the vertical shaft, and means for rotating the sphere upon the arm, said means for maintaining the axis of the sphere parallel to said angular extension including an axis shaft upon which the sphere is supported, sleeves surrounding the axis shaft and inclined stationary shaft and a link connection between the sleeves maintaining the sleeves parallel.

1,485,191. ELECTRIC CONTACT DEVICE. ADOLF KRAUSS, Cannstatt, Germany, assignor, by mesne assignments, to American Bosch Magneto Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1917. Serial No. 188,998. 4 Claims. (Cl. 200—30.)



3. In a mechanical interrupter, a rigid interrupter lever, a spring attached at both ends to the lever, a bearing gripping opposite surfaces of the spring intermediate the ends thereof for supporting the lever for deflection from and to a normal position, and a supplemental spring attached at one end to the lever and fastened to a second bearing for resisting the deflection of the lever from said normal position.

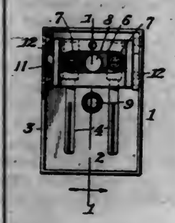
1,485,192. ELECTRIC SWITCH. WILLIAM L. KUBACH, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Aug. 29, 1922. Serial No. 584,952. 6 Claims. (Cl. 200—89).



5. In an electric switch of the class described, the combination with a pivoted supporting member, a conducting switch member mounted on said supporting member, stationary contacts located near the ends of said conducting member and on opposite sides thereof whereby upon rotation of said supporting member said conducting member engages said stationary contacts, and means for yieldingly supporting said conducting member on said supporting member comprising a pair of springs, one located on each side of the pivot about which said supporting member turns arranged to bias said conducting member toward the adjacent contact members.

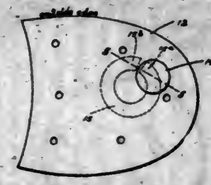
6. In an electric switch of the class described, a pivotally mounted contact supporting block, a conducting member carried by said block and movable relatively thereto, fixed contact members located on opposite sides of said conducting member adjacent the ends thereof, spring means for biasing one end of said conducting member away from said block and the other end of said conducting member toward said block, said fixed contact members being so located with respect to the ends of said conducting member that upon pivotal movement of said block the end of said conducting member biased toward said block engages the adjacent fixed contact before the other end of said conducting member engages the other fixed contact, whereby upon further pivotal movement of said block said spring means permits said conducting member yieldingly to engage said contacts.

1,485,193. TERMINAL MEMBER. JOHN ANDREW MCKAY, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1919. Serial No. 333,397. 2 Claims. (Cl. 173—330.)



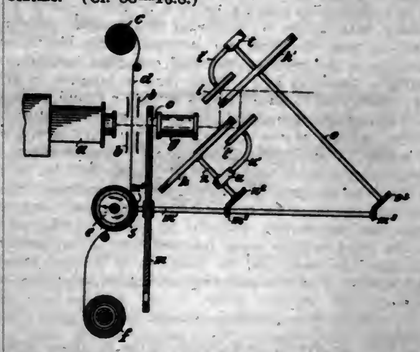
1. A terminal member comprising a hollow carrying means, a head of insulating material having end trunnions pivotally secured within said carrying means and provided with transverse recesses and wire conduit, a plate detachably connected to said head over said recesses, and contact members having binding posts disposed within said transverse recesses of said head.

1,485,194. CUSHIONED HEEL. WILLIAM T. MCLAUGHLIN, Boston, Mass. Filed Feb. 20, 1923. Serial No. 620,202. 4 Claims. (Cl. 36—35).



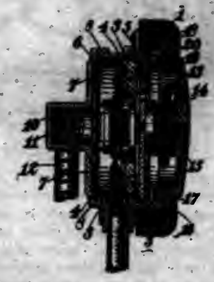
3. A heel comprising a resilient body, and a cushioning member composed of a non-metallic insert secured in the body, and a metal spring constituting an incomplete convolution of a helix, having an end portion anchored in the insert, and a major portion located outside the insert, projecting laterally from the insert into the body, and free to rise and fall without obstruction by the insert and by the anchored end portion.

1,485,195. OPTICAL RECTIFIER FOR CINEMATOGRAPHIC APPARATUS. OSKAR MESSTER, Berlin, Germany. Filed Apr. 28, 1921. Serial No. 465,274. 4 Claims. (Cl. 88—16.8.)



1. The combination with cinematographic apparatus adapted for operation with a continuously running filmband, of optical compensating means, comprising two parallel mirrors inclined with respect to the optical axis of the objective of the apparatus and movable alternately into the ray-path through said objective, and two deflecting mirrors arranged for oscillation on opposite sides with respect to the first-mentioned mirrors.

1,485,196. TELEPHONE TRANSMITTER. ROBERT LAMBERT MURRAY, Bushey Heath, England, assignor to Telephone Manufacturing Company Limited, London, England. Filed Aug. 24, 1921. Serial No. 494,770. 3 Claims. (Cl. 179—122.)



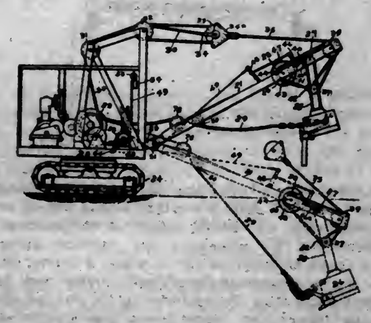
2. In a telephone transmitter, the combination of a support, a diaphragm arranged to receive directly sound-vibrations from a part of the human body, a microphone operatively connected with said diaphragm and mounted between the same and said support, and a shield that constitutes the sole means for holding said diaphragm and said microphone in position on the support, which shield is carried by the support and has an aperture through which said diaphragm extends axially, with marginal clearance, beyond the front face of the shield, which front face is situated so far rearwardly of the front face of said diaphragm as to constitute a pressure-distributing support for the transmitter when the front face of the diaphragm bears against a part of the human body, substantially as described.

1,485,197. ELECTRICAL SIGNAL-CONTROLLING DEVICE. JAMES L. O'KEEFE, Meridian, Miss., assignor of one-half to Kutcheu Threefoot, Meridian, Miss. Filed Apr. 21, 1923. Serial No. 633,793. 1 Claim. (Cl. 200—80.)



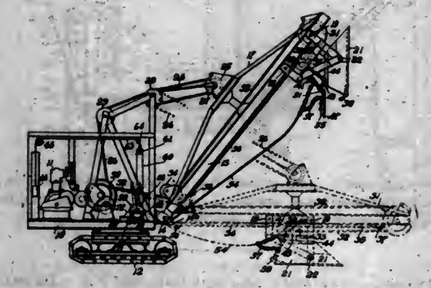
An electrical signal controlling device comprising a rotary shaft, a series of electrically disconnected contact rings of different diameter arranged concentrically with relation to the axis of said shaft and having flat contact faces disposed in a plane perpendicular to said axis, two pairs of radially disposed guides mounted on said shaft in relatively right angular relation, a contact member slidably mounted on one pair of guides and movable thereon into electrical contact with the faces of said rings successively, sliders on the other pair of guides, a pair of transversely flexible springs secured to each slider at one end, and to said contact members at the opposite end, for yieldingly restraining said members against the centrifugal action of said shaft, and means whereby independent electrical circuits may be closed through said members for each contact ring with which they may be in electrical contact.

1,485,198. EXCAVATING MACHINE. MORTON E. PUGH, Chicago, Ill. Filed Jan. 27, 1923. Serial No. 615,228. 22 Claims. (Cl. 214—138.)



1. In an excavating machine having a boom and a bucket, the combination of means for moving said boom and means for holding said first mentioned means to thereby releasably hold the bucket against movement with relation to the boom.

1,485,199. SKIMMER-SCOOP EXCAVATING MACHINE. MORTON E. PUGH, Chicago, Ill. Filed Feb. 10, 1923. Serial No. 618,238. 16 Claims. (Cl. 214—102.)



1. In a machine of the character described having a boom, a scoop, operable along said boom, means for dumping the scoop, and means for automatically righting said scoop from its dumping position as it travels along said boom.

1,485,200. GARAGE. PRESTON A. ROBERTS and PETER C. BACH, Washington, D. C., assignors to The P. A. Roberts Construction Co., Inc., Washington, D. C., a Corporation of Virginia. Filed Feb. 15, 1923. Serial No. 619,290. 7 Claims. (Cl. 20—19.)

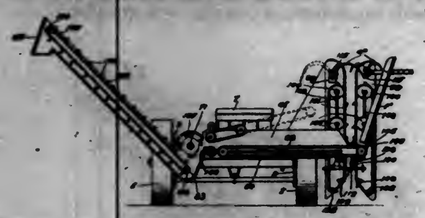


1. A garage structure including a front wall formed of an upper and a lower section and with the former projecting outwardly from the latter, said upper section including means to provide a lengthwise extending chamber in the lower portion thereof, said lower section formed of a plurality of inner and outer rectangular closure elements normally arranged in overlapping position and each independently vertically adjustable and independently laterally shiftable, said elements having their upper ends permanently extended in said chamber, said lower section provided with a pair of duplex track members disposed in parallelism throughout and arranged at the top of said chamber, means for shiftably suspending said inner elements from one of said duplex track members, means for shiftably suspending the said outer elements from the other duplex track member, and said suspending means being adjustably connected with said elements to enable the adjustment independently of each of said elements vertically.

1,485,201. ENSILAGE-HARVESTER ATTACHMENT. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Original application filed Mar. 6, 1916, Serial No. 82,516. Divided and this application filed June 30, 1919. Serial No. 307,734. 6 Claims. (Cl. 56—16.)

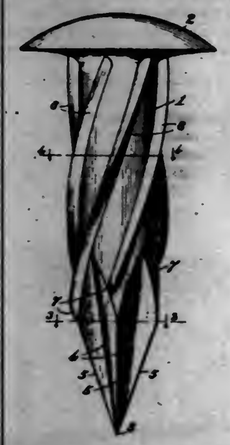
4. A harvester comprising a stalk cutter at the side of the harvester, a hopper at the rear of said stalk cutter, deflecting arms for directing the severed stalks into

said hopper, an ensilage cutter at the rear of the harvester, a feeding device for delivering the stalks to said



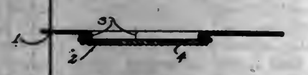
ensilage cutter, and means for adjusting said deflecting arms to deposit the stalks in opposite directions, as desired, upon said feeding device.

1,485,202. MASONRY ANCHORAGE DEVICE. HEYMAN ROSENBERG, New York, N. Y. Filed Apr. 12, 1923. Serial No. 631,591. 10 Claims. (Cl. 85—44.)



1. A masonry anchorage device comprising a body having a head at one terminus, a hardened penetrating point at the other, and high pitched threads extending along the body.

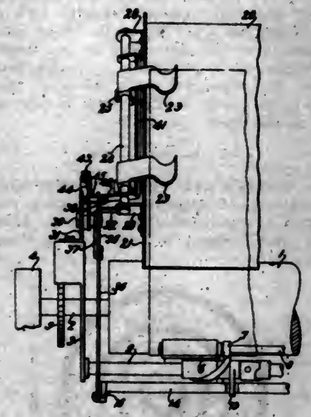
1,485,203. CUT-OUT METAL LETTER. HARRY G. RUSSELL, Battle Creek, Mich. Filed Mar. 26, 1923. Serial No. 627,681. 2 Claims. (Cl. 40—140.)



1. In a sign, a face plate having a character cut out therefrom, a flange extending around the edges of said character, and a bead on said face plate and abutting said flange, said flange holding said bead to the same configuration as the cut-out character.

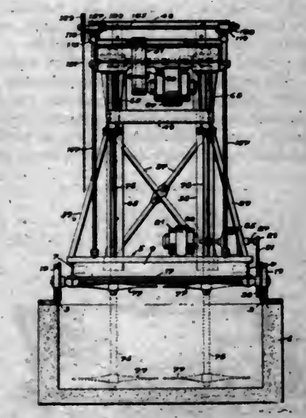
1,485,204. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 31, 1921. Serial No. 457,372. 21 Claims. (Cl. 197—127.)

1. In a typewriting machine, the combination with a platen, of a collating table at the delivery side thereof, a rod extending along a side edge of said table, a plurality of clip members mounted on said rod for individual movement into and out of position to clamp work-sheets against said table, yielding means to retain the clip members in effective position when so placed, and means to return the effectively-positioned clip members to ineffective position including a bail mounted on said rod, so



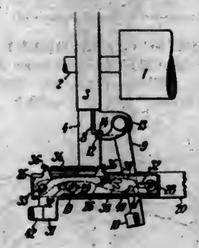
that when swung from its normal position it will engage all effectively-positioned clips and shift them to ineffective position.

1,485,205. APPARATUS FOR AGITATING MATERIALS. THOMAS J. STURTEVANT, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1923. Serial No. 619,815. 14 Claims. (Cl. 259—144.)



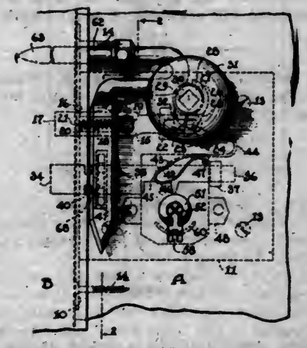
1. Apparatus for agitating material, comprising, in combination, a vat, rails, a carriage having wheels mounted on said rails, an electric motor on the carriage and a transmission for propelling the carriage along the rails, a frame mounted on the carriage, a carrier on said frame, shafts depending from said carrier and having paddles for agitating the material in the vat, an electric motor on the carrier, transmission means between the carrier motor and the paddle shafts for rotating the latter, a pair of upright screws on the carriage threaded to the carrier, and means to rotate said screws to raise or lower the carrier and vary the elevation of the paddles in the vat.

1,485,206. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 14, 1920. Serial No. 373,788. 15 Claims. (Cl. 197—114.)



1. In a typewriting machine, the combination with a traveling carriage and a platen revolubly mounted therein, of line-space mechanism for said platen, a line-space lever to operate said line-space mechanism, means for locking said lever and normally preventing actuation thereof, and movable means for absorbing the shock of the hand in returning the carriage to the right, said movable means releasing said locking means when near the end of its movement to permit line-spacing of the platen.

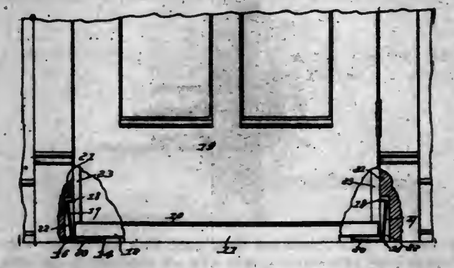
1,485,207. BURGLARPROOF ATTACHMENT FOR LOCKS. ANTONIO FELICE ACCETTA, West Dover, Ohio. Filed Sept. 30, 1922. Serial No. 591,612. 10 Claims. (Cl. 70—14.)



1. In combination with a lock having a slidable bolt, key-actuated means for moving the same, a securing device engaged with the door jamb, means for mounting said device on a door adjacent the lock, the casing of the lock having a slot, and said device having an element passed through the slot and formed with an opening through which the bolt of the lock may be projected so as to engage said element within the lock casing.

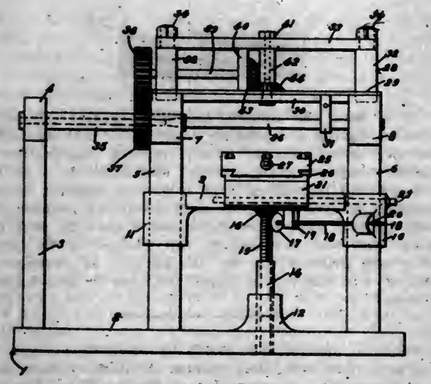
1,485,208. STORMPROOF-DOOR THRESHOLD. RALPH ALTMAN, WALTER L. WOOLEY, and OTTO F. SOTIER, St. Louis, Mo. Filed Apr. 27, 1921. Serial No. 464,972. 2 Claims. (Cl. 20—64.)

1. The combination with a door sill of a weather strip disposed longitudinally upon the surface thereof and provided with a depending web movable in a guide slot in the sill and terminating at its lower edge in a foot, and angular trips tiltably mounted in the door frame with inwardly extending arms terminally disposed in operative relation with said foot and upwardly extending



arms having terminal inwardly projecting trip ears arranged in the paths of movement of the free and hinged edges of the door.

1,485,209. MILLING MACHINE. HUBERT HENRY BARROWS, San Bernardino, Calif. Filed Nov. 8, 1920. Serial No. 422,628. 1 Claim. (Cl. 90—18.)

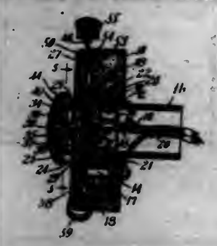


In a device of the class described, a main frame comprising standards, an auxiliary frame including a base bar supported on the standards, a cap, posts cooperating with the base bar and the cap, and securing elements passing through the cap, the posts and the base bar and connecting them with the standards, a first horizontal shaft journaled in one standard, a second horizontal shaft journaled in one post, means for connecting the shafts, a vertical shaft journaled in the base bar and in the cap, intermeshing beveled pinions on the second horizontal shaft, and on the vertical shaft, the pinion of the vertical shaft being supported on the base bar, and the pinions being located between the base bar and the cap, work-supporting means adjustable on the standards, and an arbor journaled in one standard and insertable therethrough from a point outside of the main frame for engagement with the first horizontal shaft, the arbor extending entirely across the work-supporting means, and the work-supporting means being located below the vertical shaft.

1,485,210. ELECTRIC SWITCH. ISRAEL BERENSON, Boston, Mass. Filed Feb. 17, 1923. Serial No. 619,750. 4 Claims. (Cl. 200—7.)

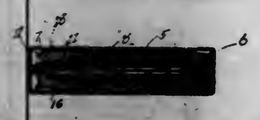
1. An electric switch comprising, in combination, a base of insulating material, a cover plate for said base, a sleeve mounted to rotate in said base, said sleeve being in circuit with a source of electric supply, a a core of

insulating material in said sleeve, a push button yieldingly mounted upon said core and adapted to engage said sleeve to complete an electric circuit therethrough,



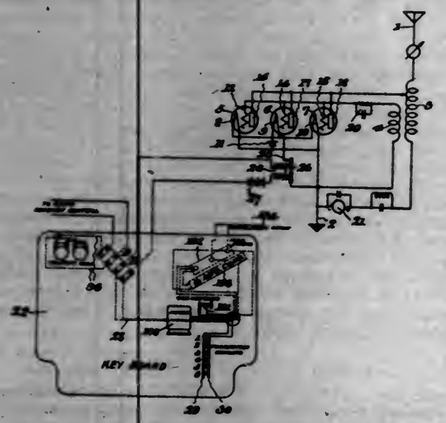
a contact point mounted upon said base in circuit with said source of electric supply and an arm in circuit with said sleeve and adapted to engage said contact point to complete an electric circuit therethrough.

1,485,211. RENEWABLE ELECTRIC FUSE. THURSTON BERGER, Lindsay, Calif., assignor to J. P. Berger, Lindsay, Calif. Filed June 24, 1921. Serial No. 480,153. 1 Claim. (Cl. 200—131.)



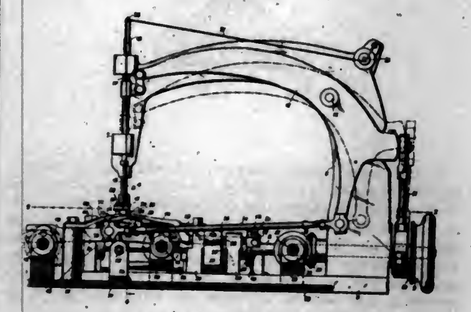
In a fuse, the combination of a tubular insulating member having a depending finger piece, said insulating member being provided with a tapered end portion, a primary cap internally tapered and adapted to fit the tapered end portion of said insulating member, a fuse adapted to extend through said insulating member and said primary cap, tapered recesses formed in said primary cap, and a secondary cap adapted to be forced over said primary cap for the purpose of causing the end of said fuse to be tightly engaged in said tapered recesses.

1,485,212. RADIO TELEGRAPH SYSTEM. JOHN B. BRADY, Somerset, Md., assignor to Morkrum Company, Chicago, Ill., a Corporation of Maine. Filed Dec. 28, 1921. Serial No. 525,298. 8 Claims. (Cl. 250—8.)



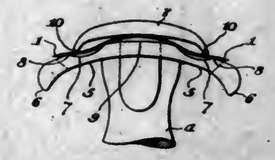
1. In a system of radio telegraphy, a transmitter comprising an electron tube oscillator, a grid control circuit therefor, means for either opening or closing said grid circuit through each of a definite number of successive definite time intervals for each character signal to thereby radiate energy in corresponding combinations of impulses and means for receiving said impulses, means for amplifying said impulses, a relay actuated by said impulses and a type printer controlled by said relay whereby said impulses select particular characters and cause said characters to be printed.

1,485,213. TUFTING-ATTACHMENT MECHANISM FOR SEWING MACHINES. AUGUST J. CARTER, Chattanooga, Tenn. Filed July 21, 1922. Serial No. 576,540. 30 Claims. (Cl. 112—79.)



1. In a machine of the class specified, the combination with a reciprocating needle, means for guiding a strand thereto, loop forming mechanism, and cutting means separate and apart from the loop forming mechanism and mounted to have a rising and falling and reciprocating movement independently of the movement of the loop forming mechanism for severing the loops to produce closely associated pile members of equal length.

1,485,214. SAFETY RAZOR. HENRY M. CHANCE, Philadelphia, Pa. Filed July 27, 1922. Serial No. 577,786. 2 Claims. (Cl. 30—12.)



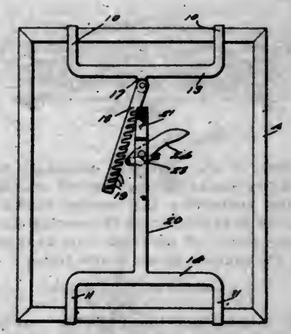
1. A safety razor including a holder having a guard, a flexible razor blade, a clamp securing the blade and the holder together, means for preliminarily flexing said blade longitudinally, and means permitting counter-flexing of said blade, said first mentioned means including a depending edge of said clamp engaging the blade in a substantial line, said second mentioned means including a longitudinal groove in said holder directly under the depending edge of the clamp.

1,485,215. EXTENSION-CORD CONNECTION. ENOS E. COAR and CASMIER THILMAN, South Bend, Ind. Filed Feb. 24, 1921. Serial No. 447,570. 3 Claims. (Cl. 173—360.)

1. An extension cord connector having a handle, a plug carried at one end of the handle, a fixed contact carried at the end of the plug, radially movable contact elements projecting laterally from the plug, resilient means normally retracting said radial contacts, and a spreader disposed in the plug in the rear of said radial contacts and yieldingly impelled in a direction to normally extend the same, said spreader being provided with manual actuating means to permit retraction of the radial contacts by their resilient means.



1,485,216. PICTURE HANGER. HENRY A. COOPER, West Union, Ohio. Filed Apr. 23, 1923. Serial No. 634,164. 2 Claims. (Cl. 40—145.5.)



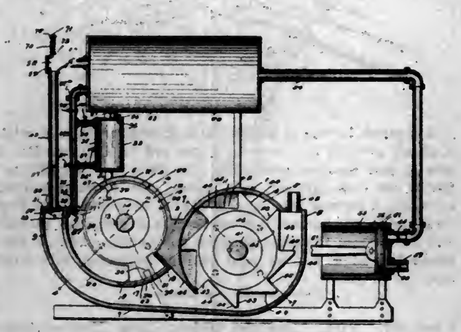
1. A picture frame hanger comprising a pair of yokes having lateral ends terminating in retaining lips, said yokes being intended for engagement upon the upper and lower edges of a frame, a bar extending upwardly from the lower yoke and having its free end rearwardly offset and formed with a hole adapted for engagement upon a securing element, a bar depending from and pivotally connected with the upper yoke, and a locking lever pivoted upon the first named bar and having an adjustable connection with the second named bar.

1,485,217. PAWL-AND-RATCHET MECHANISM. GEORGE F. CRASS, Ithaca, N. Y., assignor of one-half to John H. McCormick, Ithaca, N. Y. Filed May 4, 1922. Serial No. 558,450. 3 Claims. (Cl. 74—16.)



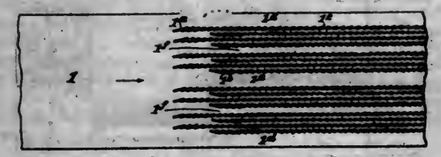
1. In a pawl and ratchet mechanism, the combination with ratchet teeth each having an operative and a neutral side, of a pawl operatively associated with said teeth, and an anti-friction member journaled in said pawl adapted for engaging the neutral sides of said ratchet teeth for permitting easy riding movement of the pawl thereover during operation of said mechanism.

1,485,218. ENGINE. ARTHUR J. CULP, Clanton, Ala. Filed Oct. 10, 1919. Serial No. 329,788. 1 Claim. (Cl. 60—13.)



In a device of the class described comprising a casing having a central partition dividing the casing into a pair of compartments, an oscillating head arranged in one of said compartments, a combustion chamber arranged in the mentioned compartment and arranged to receive said oscillating head, a fuel supply pipe communicating with the combustion chamber, a rotor mounted in the other chamber, an air receiving chamber communicating with the rotor, an air inlet pipe communicating with the air receiving chamber, butterfly valves arranged within the inlet pipes, a lever pivotally mounted in the casing, a governor secured to the rotor and arranged to operate said lever when the rotor reaches a predetermined rate of speed, a rod pivotally secured to the upper end of the lever, an adjustable cam mounted upon said rod and arranged to operate the valve in the air intake pipe, a second rod arranged parallel with the first mentioned rod, means formed on the last mentioned rod and arranged to engage the valve controlling the flow of fuel to the intake pipe of the combustion engine, an adjustable lug mounted upon the first mentioned rod, and spring means connecting the lug with the second mentioned rod, as and for the purpose specified.

1,485,219. PROCESS OF PRODUCING EXPANDED METAL. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed June 2, 1921. Serial No. 474,506. 8 Claims. (Cl. 164—6.5.)



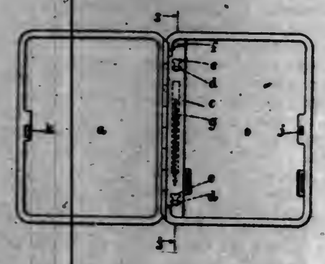
1. The herein described method of producing expanded metal which consists in simultaneously forming in defined areas, a plurality of rows of longitudinally alined slits in a sheet to form parallel rows of inclined strands, inclining the strands of each row with relation to the plane of the sheet while maintaining them as a whole in said plane, and thereafter drawing the margins of the sheet in opposite directions in the plane of the sheet.

1,485,220. WRENCH. DAVID S. FLOWERS, Des Moines, Iowa, assignor of two-fifths to L. V. Darnall, two-fifths to William Pyne, and one-fifth to (Mrs.) W. H. Pyne, Des Moines, Iowa. Filed Feb. 27, 1922. Serial No. 539,502. 1 Claim. (Cl. 81—91.)



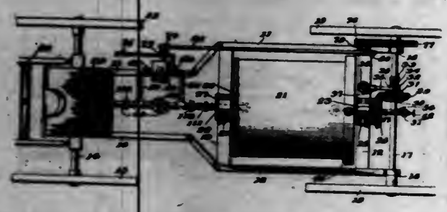
A wrench having a handle, a jaw member formed with a shank pivoted at its end to one end of said handle, a second jaw member pivoted to the first jaw member between the ends thereof, said second jaw member having a shank, a curved slot in said shank, said slot extending away from the second jaw member in a direction around and away from the pivot between the handle and first jaw member, and a pin on said handle projected into said slot.

1,485,221. BOX. CHARLES EDMOND GEE, London, England. Filed Mar. 21, 1923. Serial No. 626,593. 1 Claim. (Cl. 206—41.)



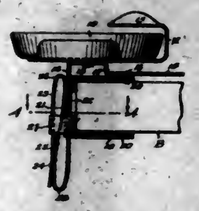
A box of the kind comprising two parts and a strip, one part being hinged to the strip and incapable of sliding thereon whilst the other part is secured to the strip and is capable of sliding thereon characterized in that means are provided whereby the sliding movement is effected against the action of a spring or other resilient member.

1,485,222. SPRAYING APPARATUS. CHARLES L. GINTY, Cambria, Lockport, N. Y. Filed Aug. 18, 1922. Serial No. 582,719. 15 Claims. (Cl. 299—43.)



7. In ambulant spraying apparatus, a wheeled supporting frame, a spray liquid tank rotatably mounted on said frame, driving connections from said wheel frame to the spray liquid tank for rotating the latter, and means actuated by said wheeled frame for forcing air under pressure into said tank, or for exhausting air from the said tank.

1,485,223. ASH-TRAY MOUNTING. CHARLES A. GREENE, New York, N. Y. Filed May 11, 1923. Serial No. 638,351. 4 Claims. (Cl. 248—20.)



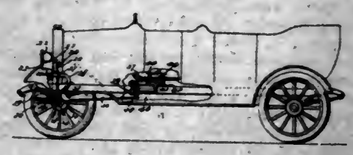
1. An ash tray mounting comprising a tray holder within which the tray is adapted to set, an attaching member having relatively adjustable clamping jaws and detachable means of connection therebetween for associating the attaching member with the holder to dispose the clamping jaws in horizontally or vertically spaced relation with respect to the holder whereby the same may be respectively clamped into engagement for vertically and horizontally disposed supporting devices.

1,485,224. TRUCK. HAROLD LOUIS HAMILTON, Cleveland, Ohio, assignor to The Electromotive Engineering Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 22, 1922. Serial No. 589,833. 6 Claims. (Cl. 105—218.)



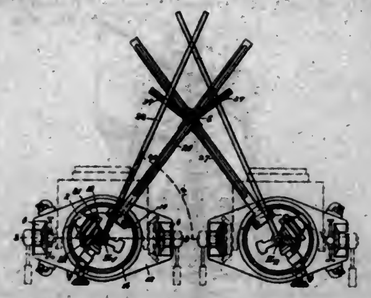
1. A truck of the character described, comprising a frame, bearing blocks having vertical movement in the frame, axles supporting the bearing blocks, wheels on the axles, and links connecting the bearing blocks with the intermediate portion of the frame, said links pivotally connected to the bearing blocks in the frame.

1,485,225. DIRIGIBLE HEADLIGHT. GEORGE L. HORTON, Caseville, Mich. Filed Aug. 17, 1922. Serial No. 582,411. 1 Claim. (Cl. 240—61.)



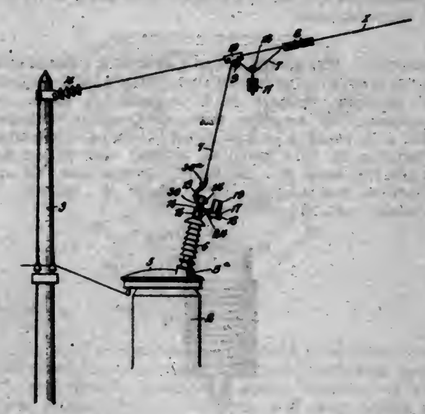
A dirigible headlight having a lamp carrying spindle and means for communicating rotary movement thereto, a bracket provided with a bearing sleeve through which the spindle extends, and spindle centering means mounted in the sleeve for yieldingly holding the spindle with the supported lamp in a neutral position, the means for communicating rotary movement to the spindle consisting of a bracket plate having a clip for securing it to the side frame bar of a car, a rocking lever pivotally engaged at an intermediate point with said bracket plate and provided in the plane of the pivot with a pendant arm, foot buttons provided with stems engaged with the extremities of said rocking lever, a swinging arm carried by said bracket plate remote from the pivot point of the rocking lever and operatively connected with the lmap spindle, and a link connection between the extremity of the pendant arm of the rocking lever at an intermediate point of the swinging arm.

1,485,226. THEODOLITE FOR MAKING ANGULAR DETERMINATIONS DIRECT FROM PHOTOGRAMS. KARL REINHARD HUGERSHOFF, Tharandt, Germany. Filed Nov. 6, 1919. Serial No. 336,229. 7 Claims. (Cl. 33—46.)



1. In a theodolite for making angular determinations direct from photograms, the combination of a base having uprights rigidly secured thereto, a photographic plate holder pivotally mounted in said uprights, means for adjusting said holder in any direction, a horizontal angle measuring disk rotatably mounted in said base and a vertical angle measuring device supported on said disk.

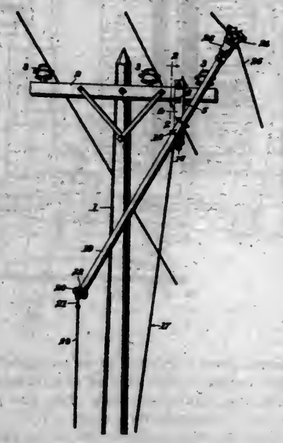
1,485,227. AUTOMATIC CIRCUIT-BREAKER ATTACHMENT FOR HIGH-TENSION TRANSMISSION LINES. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed May 13, 1920, Serial No. 381,134. Renewed May 2, 1923. 14 Claims. (Cl. 175—294.)



12. The combination with a transformer surmounted by a cap and having a bushing rising therefrom, of a hook-shaped contact member, a flexible conductor connected to a line, and suspending the hook-shaped contact member, another contact member mounted on the bushing adapted to receive and hold the hook-shaped contact member, and means for maintaining the hook-shaped member, under tension, whereby, when the hook-shaped member is released from the other contact member the contact members are separated beyond arcing distance.

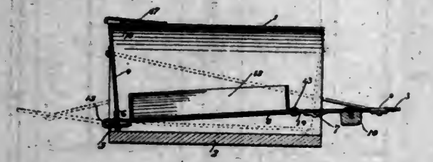
1,485,228. CROSS-ARM HOOK FOR ELECTRIC TRANSMISSION LINES. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed Aug. 26, 1920. Serial No. 406,209. 7 Claims. (Cl. 175—265.)

5. Means for use in electric transmission lines, comprising a cross arm hook consisting of an elongated channel hanger, a channel jaw at one end of the hanger, with the webs of the channels directed toward each other for engagement with opposite faces of a cross arm, means for drawing the hanger and jaw toward each other to grip the cross arm, said cross arm hook depending from the cross arm in spaced relation to the pole, a sleeve swiveled to the other end of the hanger with the passage through the sleeve perpendicular to the axis of the



swivel, a link at the end of the hanger remote from the clamp, other links attached to the sleeve, said sleeve receiving a manipulating pole for engaging and carrying a line wire with the carrying means insulated from the body of the pole, and manipulating means for attachment to the pole and to the links on the sleeve and hanger, whereby to control the pole and parts carried thereby from a distance.

1,485,229. NEST. RUDOLPH H. JULIEN, Copas, Minn. Filed Apr. 10, 1923. Serial No. 631,152. 4 Claims. (Cl. 119—50.)

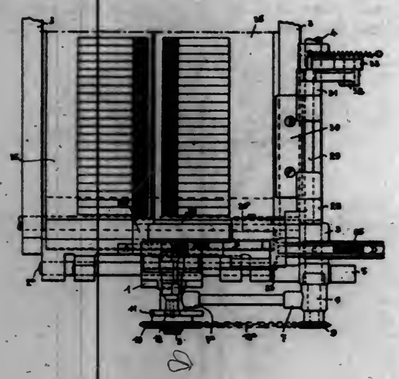


4. The combination of a housing having open ends, a door controlling the entrance end of the housing and pivotally mounted at a point above its lower edge, a door controlling the exit end of the housing and pivotally mounted at its lower edge and provided at said edge with a longitudinally extending slot, a link connecting said doors, above the pivots thereof, a nest-supporting frame having pivotal connection at one end with the lower edge of the entrance controlling door and provided at its opposite end with a slotted tongue slidably engaging the pivot of the exit controlling door and playing through the slot in said door, and a nest resting on said frame.

1,485,230. DEVICE FOR ALIGNING CIGARETTES DISCHARGED FROM CIGARETTE-MAKING MACHINES. EWALD KOERNER, Dresden, Germany. Filed Mar. 10, 1922. Serial No. 542,643. 3 Claims. (Cl. 131—30.)

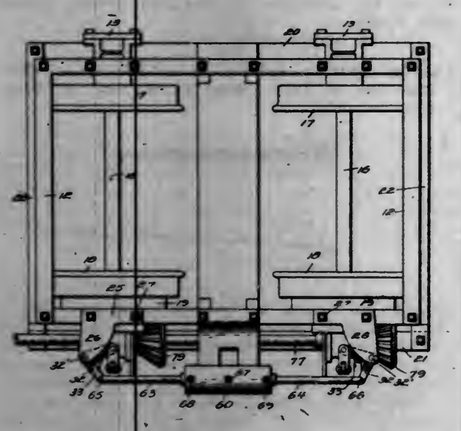
1. In a device for aligning cigarettes discharged from a cigarette-making machine of the continuous-rod type, a transporter arranged so as to receive the cigarettes from the machine, means for clamping the cigarettes to the

transporter, means for reciprocating the transporter, means for stripping the cigarettes from the transporter when the latter returns from its extreme end position,



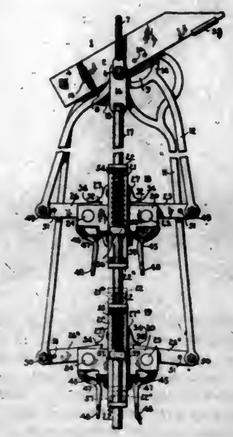
and a delivery apron arranged so as to travel in a direction at right angles to the axes of the cigarettes and so as to receive the cigarettes when they are stripped off the transporter, substantially as set forth.

1,485,231. GEAR-SHIFTING MECHANISM. WILLIAM P. LEFTWICH and DIRA S. STOUT, Nallen, W. Va. Filed Mar. 8, 1923. Serial No. 623,701. 9 Claims. (Cl. 74—7.)



1. In a gear shifting mechanism for Shay engines, the combination with a hanger element adapted to be supported from a wheel truck and provided at its inner side with an axle supporting means and further provided with an outwardly opening pocket, of a line shaft extending through said hanger, a truck wheel propelling means carried by said shaft at one side of the hanger, a shiftable carrier slidably mounted in said pocket, a bearing for the line shaft at the inner end of the carrier, means for connecting the bearing to the line shaft whereby the latter is coupled to the carrier, and a shiftable lever pivotally connected to said element and further connected to the carrier for shifting the latter carrying the line shaft therewith to move said propelling means out of propelling position with respect to the truck wheel.

1,485,232. CABLE JACK. WILLIAM B. MCCAIN, Blanchard, Wash., assignor of one-half to Myol N. Peaslee, Blanchard, Wash. Filed Sept. 20, 1922. Serial No. 589,380. 21 Claims. (Cl. 254—70.)



1. A cable jack comprising a lever head, pairs of clamping jaws, a fulcrum shaft mounted in the lever head, disks eccentrically mounted on the fulcrum shaft and secured eccentrically to the lever head, and links having circular openings at one end to receive the disks and connected at their other ends to operating levers for the clamping jaws.

1,485,233. EXPANSIBLE-COLLAPSIBLE ELEMENT AND METHOD OF PRODUCING THE SAME. HARRY C. MALLORY, Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Original application filed Apr. 22, 1914, Serial No. 833,593 (now Patent No. 1,366,473, dated Jan. 25, 1921). Divided and this application filed Aug. 31, 1920. Serial No. 407,208. 7 Claims. (Cl. 251—31.)



2. A device of the character described, comprising a shell having a circumferentially corrugated body portion and a closed end integral therewith of relatively greater thickness than said body portion, said closed end comprising a projection extending centrally thereof, and a conical head at the outer end of said projection constituting a valve face, substantially as specified.

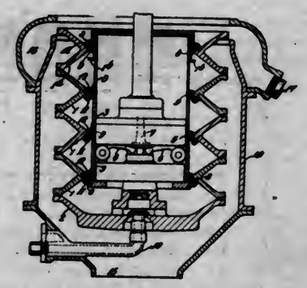
1,485,234. SHANK STIFFENER. FREDERICK P. MARX, St. Louis, Mo. Filed Nov. 12, 1921. Serial No. 514,624. 4 Claims. (Cl. 36—76.)

1. In a shoe, an arched shank stiffener located between the welts of the shoe and comprising an arched lower metallic strip and an arched upper metallic strip having its ends adjacent the ends of the lower strip and its intermediate portion arched away from the intermediate portion of the lower strip, and the rear portion of said strips extending a relatively considerable distance rearwardly beyond the breast wall of the shoe heel, a non-metallic filler having an arched central portion and wedge-shaped ends completely filling the space between said strips, and means for holding the filler in place between said strips.



4. In a shoe, a shank stiffener located between the welts of the shoe and having its rear end a relatively considerable distance rearwardly from the breast wall of the shoe heel and said stiffener comprising a pair of arcuate metallic strips arranged one above the other, and the upper one of said strips forming an arch separated from the lower strip, a non-metallic filler having attenuated ends filling the space between said strips, means for preventing said filler from becoming displaced laterally, and an elastic cushion extending from the forward end of said shank stiffener across the break line of the shoe.

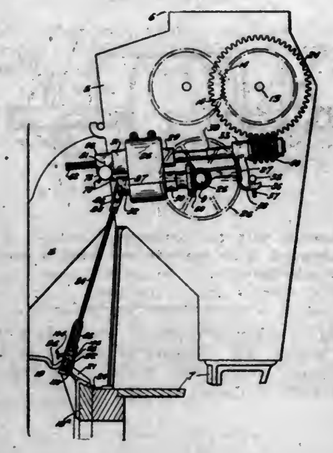
1,485,235. CENTRIFUGAL SEPARATOR AND THE LIKE. WILHELM MAUSS, Johannesburg, South Africa. Filed Sept. 14, 1923. Serial No. 662,702. 9 Claims. (Cl. 233—19.)



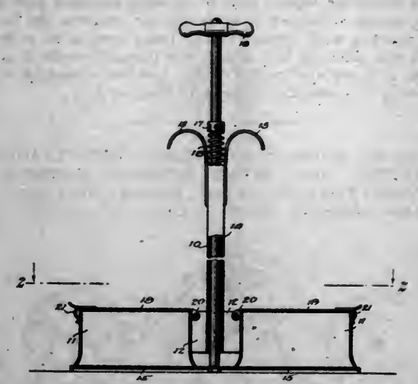
1. In a centrifugal decanter, a drum composed of sections forming between them V-sectioned settlement chambers separated by peaks and axially separable to discharge solids from said chambers, said drum having an inlet and a liquid overflow remote from said inlet, and baffles arranged on the sides of the peaks nearest to the inlet of the apparatus.

1,485,236. COTTON-GIN FEEDER. ARTHUR W. MERKEL, Atlanta, Ga. Filed July 10, 1923. Serial No. 650,703. 12 Claims. (Cl. 19—67.)

3. In a cotton gin feeder, the combination with a casing having feed rollers and picker rollers mounted therein and provided with shafts extending through the casing sides, and a movably mounted gin breast, of gear devices on the end of the picker roller shaft and on the end of one of the feed roller shafts, swinging gear mechanism comprising means for changing the speed of rotation of the feed rollers and including gear devices, one of said gear devices being in continual mesh with the gear devices on the end of the picker roller shaft and the other gear device being separably engaged with the gear device of the feed roller shaft, and connecting means between the said gear mechanism and the breast for controlling the operation of the feed rollers, the said connecting means including devices operable to permit the gin breast to be raised without disturbing the operation of the feed rollers and the said gear mechanism.



1,485,237. EGG POACHER. HENRY PARODI, New York, N. Y. Filed Aug. 30, 1922. Serial No. 585,240. 6 Claims. (Cl. 53—1.)

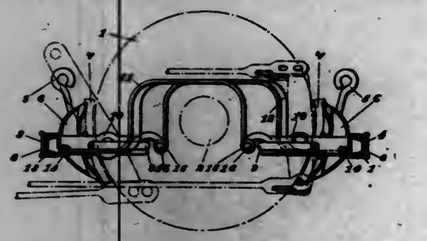


1. An egg poacher comprising a submersible receptacle including an open ended annular body and a laterally turnable bottom underlying the lower end of the body and movable in its own plane to uncover the same.

1,485,238. BRAKE MECHANISM. ALFRED K. PEHRSON, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed June 8, 1923. Serial No. 644,146. 14 Claims. (Cl. 188—212.)

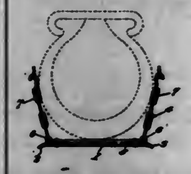
9. In a brake mechanism, a pair of brake beams, each comprising a tension member, a compression member and a strut, means for supporting said beams and resilient members for maintaining said beams level and for imparting

a releasing movement to said beams when the breaking power is released, each of said members at one end be-



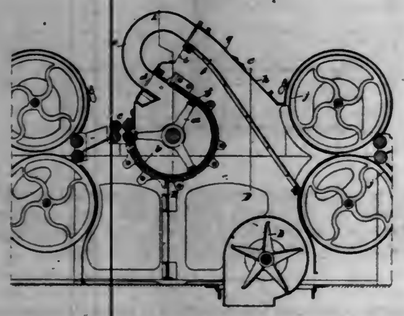
ing connected with the compression member of one of said beams and at its opposite end being secured to the other of said beams.

1,485,239. ANTISKID DEVICE. THEODORE J. TOLLACKSON, Westby, Wis., assignor of one-half to John W. Christensen, Westby, Wis. Filed June 1, 1921. Serial No. 474,068. 1 Claim. (Cl. 152—14.)



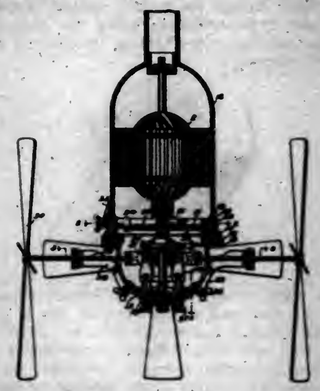
An anti-skid device comprising an inner and outer bar arranged in superposed relation and secured together, said inner bar having each of its ends provided with an eye, means connected to said eyes for securing the bars in position with respect to the tread portion of a tire, and said outer bar having each end thereof formed to provide a flared and curved biting member extending and curving in a direction outwardly from an eye.

1,485,240. MACHINE FOR OPENING AND CLEANING COTTON AND OTHER FIBROUS MATERIALS. HENRY WILKINSON, Oldham, England. Filed May 23, 1923. Serial No. 640,877. 1 Claim. (Cl. 19—86.)



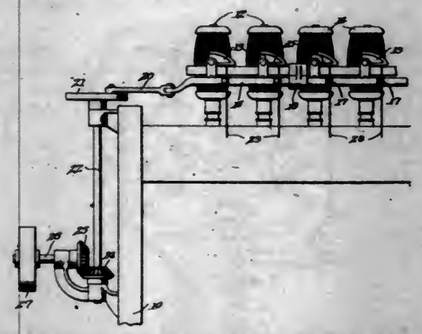
In a machine of the class described the combination with cylinders or beaters provided with grid bars arranged for about three quarters of the circumference and in which a portion of the grid bars are arranged at an opposite angle to the other portion and having a delivery outlet at the same side as the feed, of a trunk or trunks the full width of the machine to deliver the fibre.

1,485,241. FAN. JOSEPH ARONOFF, New York, N. Y. Filed June 19, 1922. Serial No. 569,463. 3 Claims. (Cl. 230—1.)



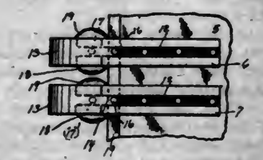
1. The combination of a plurality of fans disposed at an angle to each other on horizontal axes, an electric motor arranged with its armature shaft vertical for rotating all the fans, controlling devices for inclining one or more of such axes from the horizontal at will, and controlling devices for operatively disengaging one or more of said fans from said actuating means at will.

1,485,242. ATTACHMENT FOR SPOOLERS. WILLIAM E. BALL, Brunswick, Me. Filed Oct. 30, 1922. Serial No. 597,957. 2 Claims. (Cl. 242—157.)



1. The combination with a spooling machine having a thread guide provided with a slot, of means located in the path of travel of the thread in advance of the guide for alternately moving the thread longitudinally of the slot.

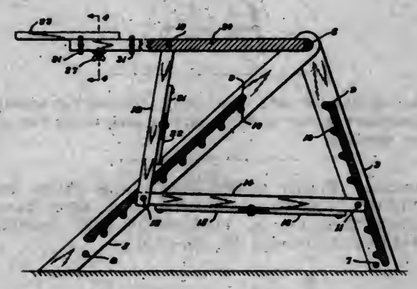
1,485,243. MEANS FOR REENFORCING EXCAVATOR-BUCKET TEETH. EDWIN T. BLAKE, Berkeley, Calif. Filed Mar. 14, 1923. Serial No. 625,083. 1 Claim. (Cl. 37—142.)



In a device of the character described the combination of a bucket tooth having a removable point adapted to be attached to said tooth, flared portions formed integral

with said point and on a plane parallel to the length of the tooth, said flared portions being curved from the front toward the rear, and adapted to contact the sides of said point, substantially as and for the purpose specified.

1,485,244. ADJUSTABLE FOLDING STAND. ELMER W. BORGER, Palmerton, Pa. Filed July 17, 1922. Serial No. 575,700. 5 Claims. (Cl. 45—74.)



1. In a device of the character described, the combination of pivotally connected, spaced supporting standards, having notched channel portions longitudinally disposed therein, a supporting arm pivotally mounted at one end between the upper ends of said standards, transverse pivot members carried between said standards and adapted to seat in said channel and notched portions, substantially horizontally disposed transverse bars mounted on said pivot members and cooperating therewith, substantially vertically disposed brace members mounted on one of said pivot members at one end and pivotally supporting said pivoted arm at their opposite end, said pivot members being adapted to longitudinal adjustment in said channel and notched portions and thereby effect vertical adjustment of said arm member on its pivot.

1,485,245. METHOD OF TAKING FINGER PRINTS. FLOYD D. BOYD, Bloomfield, Nebr. Filed Dec. 15, 1922. Serial No. 607,219. 2 Claims. (Cl. 41—41.)

1. A new and improved method of taking finger prints, consisting of moistening the fingers with suitable acid, then bringing the fingers into contact with a piece of paper or other suitable material, and subsequently subjecting the said material to heat, whereupon the prints of the fingers are burned in said material.

1,485,246. METAL CONSTRUCTION FOR AIRCRAFT. EDWARD EUGENE BROWN and DERMOT JOSEPH MOONEY, Westminster, England. Filed Aug. 24, 1921. Serial No. 494,996. 1 Claim. (Cl. 189—37.)



As a new article of manufacture, a spar of the class described comprising a vertical web formed of separate plates, the central portions of said plates being given concavo-convex form to impart a tubular formation to the web at the central portion, the upper and lower portions of the plates of the web being formed into diverging legs having flanges at their edges, and tubular elements closing the diverging legs and secured to the web adjacent the legs.

1,485,247. TEST INDICATOR. MAURICE J. CARLSON, Jersey City, N. J. Filed Apr. 29, 1922. Serial No. 557,260. 2 Claims. (Cl. 33—172.)



1. In an indicator, a bar having a measuring-scale, a spring pressed bifurcated member having a screw-threaded stud, a pivot pin passing through portions of said screw-threaded stud and through a portion of said bar, a pointer carried by said bifurcated member which coacts with said measuring-scale, and a work-contact-member having a screw-threaded bore therein for effecting the detachable connection of said work-contact-member to said screw-threaded stud.

1,485,248. SWAB. WILLIAM JAMES CARPENTER, Gorman, Tex., assignor of one-half to Cree and Company, Gorman, Tex. Filed Jan. 24, 1923. Serial No. 614,634. 3 Claims. (Cl. 103—225.)

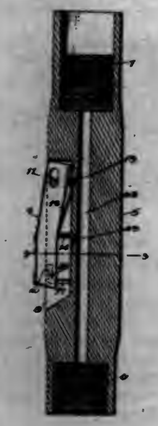


1. A swab of the class described comprising a head, a stem connected therewith, a tubular member surrounding the stem, a packing member carried by the tubular member, a valve seat at the lower end of the tubular member, a valve slidably mounted on the stem, a spring carried by the stem for holding the valve upon its seat, a nut on the stem for adjusting the spring and means for expanding the packing member on the upward stroke by the pressure of the liquid being raised.

1,485,249. UNDERREAMER. GROVER HARRIS CRAIG, Houma, La., assignor of one-half to Joseph H. Thatcher, Houma, La. Filed Nov. 21, 1921. Serial No. 516,701. 4 Claims. (Cl. 255—76.)

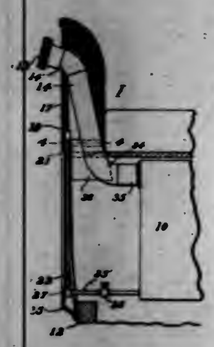
1. An underreamer comprising a body having a longitudinally extending recess, a bit freely received in said recess and having an elongated slot, a pivot pin extend-

ing through said slot and slidably and pivotally connecting the bit to the body, and spring means to urge the bit



outwardly, there being a pin and a slot connection between the lower portion of the bit and the body.

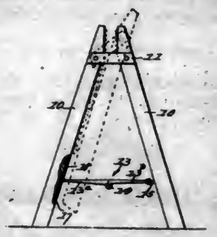
1,485,250. ATTACHMENT FOR GASOLINE TANKS. LEWIS P. CROSS, Carnegie, Okla. Filed Oct. 10, 1921, Serial No. 506,626. Renewed Oct. 19, 1923. 3 Claims. (Cl. 220—86.)



1. The combination with an inlet connection for a gasoline tank, of an apertured and slotted plate, through which the connection extends, a gage tube mounted opposite the slot in the plate and having connection with the tank, and a U-shaped bracket surrounding the tube and partly surrounding the inlet connection and secured to the latter.

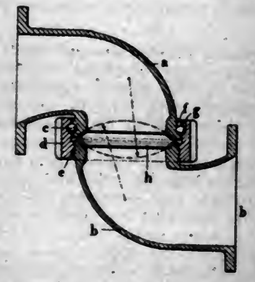
1,485,251. KNOCKDOWN TRESTLE. CHARLES H. DAVIS, Glouster, Ohio. Filed Apr. 23, 1921. Serial No. 463,843. 1 Claim. (Cl. 304—5.)

The combination with the standards of a trestle pivotally connected, of a brace comprising members pivotally connected by a rule joint, the one extremity of one member being pivotally connected to one of said standards, a socket plate provided with a plurality of sockets or seats, said plate being disposed on the other standard in facing relation with said brace, the extremity of the



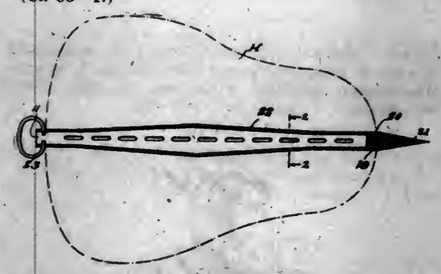
other member of said brace being adapted for selective engagement in any of said seats or sockets for the purpose specified.

1,485,252. FLUID-TIGHT JOINT FOR PIPES FOR FLUIDS UNDER PRESSURE. LUC LÉON BASILE DENIS, Paris, France. Filed Oct. 15, 1920. Serial No. 417,259. 3 Claims. (Cl. 285—120.)



1. In a tight articulation for fluids under strong pressure and high temperature, a pair of pipe elements having spherical seats on their opposing ends, a joint ring screwed on one of the pipe elements, a ball bearing connecting said joint ring to the other pipe element, and a flexible metal tightening ring having spherical bearing faces engaging said spherical seats.

1,485,253. UTENSIL FOR THE TREATMENT OF FOODSTUFFS. EUGENE S. DEVLIN, New York, N. Y. Filed May 20, 1922. Serial No. 562,286. 1 Claim. (Cl. 53—1.)



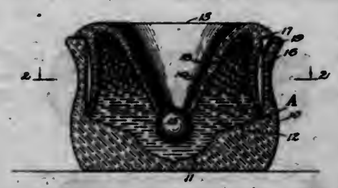
As a new article of manufacture, a utensil for the treatment of foodstuffs of the character set forth comprising a tubular perforated body of gradually increasing diameter toward its longitudinal center, said body having an open end provided with means for effecting the removal of the body from the article to be treated and provided at its opposite end with a detachable tapered and pointed driving element, as and for the purpose specified.

1,485,254. APPARATUS FOR COATING WIRE WITH VARNISH AND THE LIKE. WILLIAM ALEXANDER DICKIE, Spondon, near Derby, England, assignor to American Cellulose and Chemical Manufacturing Company Limited, a Corporation of Delaware. Filed Jan. 10, 1922. Serial No. 528,316. 5 Claims. (Cl. 91—32.)



1. In apparatus for coating wire with viscous insulating dope or varnish containing volatile solvent, the combination with means for supplying the liquid coating to a travelling wire, of a rotary tubular doctor disposed above the coating applying means co-axially with the line of travel of the wire, and having its surplus removing orifice surrounding and co-axial therewith, and means for rapidly rotating said tubular doctor about its axis.

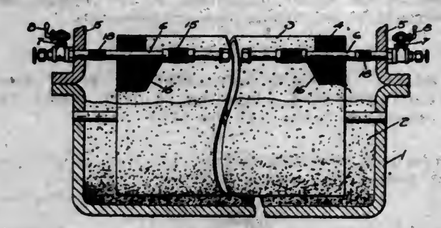
1,485,255. INKSTAND. HARRY M. DUNGAN, Oregon, Mo. Filed Aug. 8, 1922. Serial No. 580,463. 10 Claims. (Cl. 120—59.)



2. An inkstand comprising a body forming a well, and a removable inverted cup having a downwardly tapering tubular central portion open at its lower end for the entrance of a pen nib, said inverted cup having an annular flange outside of and spaced from said central portion making line contact with the body at the interior, and there being a space between the flange and body except at the contacting line.

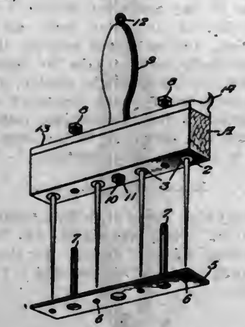
1,485,256. PROCESS AND APPARATUS FOR MANUFACTURING PAPER. JAMES HENRY DURKIN and DAVID WILKIN, Battle Creek, Mich. Filed Mar. 3, 1922. Serial No. 540,942. 6 Claims. (Cl. 92—43.)

6. The combination with a cylinder, of a water pipe disposed parallel with respect to the cylinder, said pipe having outlet openings extending at an angle, said openings being adapted to direct the water upon said cylinder outwardly at an angle to the main body of the cylinder, and sleeves carried by said pipe and being adapted to



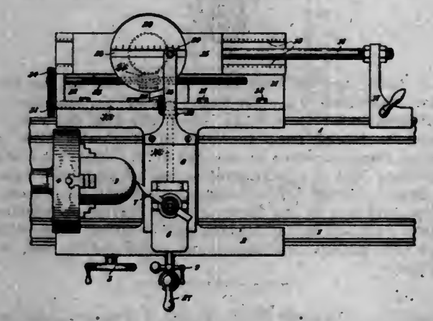
close part or all of the water outlet openings in said pipe, said pipe being adapted to turn on its longitudinal axis.

1,485,257. ICE PICK. JOHN B. DYE, Springfield, Mo. Filed Nov. 22, 1921. Serial No. 516,985. 2 Claims. (Cl. 83—62.)



1. An ice pick including a head having sockets therein, rubber sleeves within said sockets, metal picks having one end secured within the sleeves, said rubber sleeves forming a pliable base for the metal picks, and a plate at the outer end of the sockets for covering the sleeves and preventing them from being pulled out with the picks.

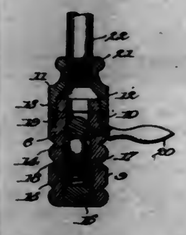
1,485,258. LATHE ATTACHMENT. WILLIAM DZUS, Saranac Lake, N. Y., assignor of thirty per cent to G. M. Richardson, Saranac Lake, N. Y. Filed July 20, 1922. Serial No. 576,350. 5 Claims. (Cl. 82—11.)



1. An attachment for lathes comprising in combination with a lathe having track rails and a carriage slidably mounted thereon, a tool rest and shifter slidably mounted transversely of the carriage, a bracket table secured to one side of the carriage, a pair of rotatable disks adjustably supported on the bracket table, connec-

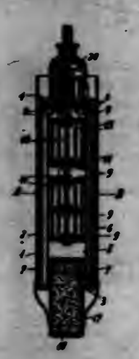
tions between the shifter, carriage and said disk, and means for rotating said disks to cause simultaneous movement of the shifter transversely of the carriage and movement of the carriage upon the lathe rails.

1,485,259. BRACKET ATTACHMENT. SIMON EHRICH, Bronx, N. Y. Filed Mar. 6, 1922. Serial No. 541,424. 2 Claims. (Cl. 287—14.)



2. A device of the character described comprising a base section having an axial bore, an intermediate clamping section, and an upper section, the upper section being threadedly engaged with the lower section and bearing against the intermediate section, the lower section being bifurcated for the reception of a rod in operative relation to the intermediate clamping section, and a yieldable ball operating in the bore and movable with respect to the bifurcated portion.

1,485,260. DEVICE FOR THE TREATMENT OF AFFECTIONS OF THE AIRWAYS OF THE HUMAN BODY. FRITZ ERNST, Zurich, Switzerland. Filed Mar. 17, 1922. Serial No. 544,504. 1 Claim. (Cl. 128—192.)



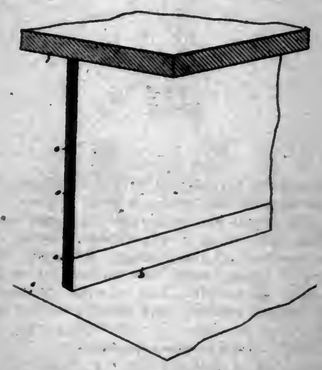
A device for the treatment of affections of the airways comprising an outer tube, having perforations, a perforated inner tube in the outer tube and the wall of which is spaced from the wall of the outer tube, a mouth piece connected to one end of the outer tube and extending into the corresponding end of the inner tube, a closure for the opposite end of the inner tube, resistances arranged in the inner tube and having supporting means attached to the closure, and electrical conductors also attached to the closure and connected to said resistances.

1,485,261. COMPASS SAW. ELMER E. FEARING, Charleston, S. C. Filed Feb. 23, 1922. Serial No. 538,693. 1 Claim. (Cl. 145—31.)

A compass saw adapted to be started in a hole and to work thence to and along an arc extended about the hole, the saw including a handle and a blade carried thereby, the blade having a flat portion at its free end and adapted to be used to make a substantially straight cut from the hole toward the arc, the blade being provided with a transversely curved portion disposed at the inner end of the flat portion and located otherwise than at a right angle to the flat portion, thereby enabling the operator to make an easy transition from the substantially straight cut to the arc, the location of the transversely curved portion of the blade at the inner end of the flat portion of the blade, serving to dispose the curved portion relatively near to the handle, and giving the operator an increased control over the saw whilst the transition is being made from the straight cut to the arc.

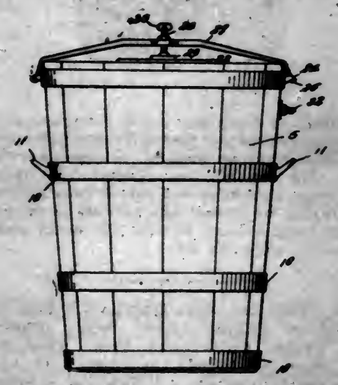


1,485,262. PARTITION CONSTRUCTION. ERNEST FLAGG, New York, N. Y. Filed May 31, 1923. Serial No. 642,645. 2 Claims. (Cl. 20—4.)



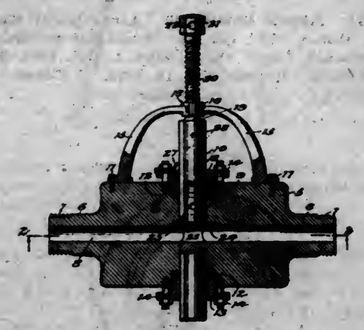
1. A construction of a partition comprising a mold board and a plaster support, said partition being characterized by the fact that the mold board forms a continuation of the plaster support.

1,485,263. WOODEN VACUUM TUB FOR ICE-CREAM TUBS. EDWARD J. HAYES, Beaumont, Tex. Filed Dec. 27, 1922. Serial No. 609,207. 3 Claims. (Cl. 217—7.)



1. In an article of the class described, a wooden container, a metallic container therein, a rigid cover for the wooden container, a detachable cover for the metallic container, said last named cover engaging through an opening within the first mentioned cover and means for establishing a vacuum between the interior of the wooden container and the said metallic container.

1,485,264. CHOKE NIPPLE FOR OIL LINES. MEEL JEROME HEALD, Tulsa, Okla. Filed Apr. 11, 1922. Serial No. 551,607. 1 Claim. (Cl. 251—4.)



A choke nipple for oil lines comprising a body portion having a screw-threaded nipple projecting from each end thereof, a passage formed in the body portion and extending longitudinally thereof through said screw-threaded nipples, a second passage formed in the body portion and arranged at right angles to the first-mentioned passage and intersecting the same, a plurality of arms secured to one face of said body portion, said arms forming a yoke member overlying the second-mentioned passage, a valve member having a plurality of valve openings mounted in the second-mentioned passage and arranged to intersect the first-mentioned passage, and a screw-threaded extremity engaging the said yoke member, said screw-threaded extremity serving to move the valve through its passage upon operation of the valve member in a rotary direction.

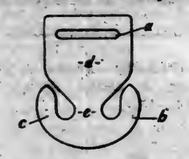
1,485,265. TUBE FOR PNEUMATIC TIRES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Jan. 22, 1917. Serial No. 143,811. 27 Claims. (Cl. 152—13.)



14. In combination with a tube for pneumatic tires having its rim side portion protected by overlapping diagonally arranged unconnected series of fabric strips imbedded therein adjacent to the surface of the tube and spaced apart by intermediate rubber, a valve base adapted to receive from without the button of the valve stem, said valve base being overlappingly connected with the said protecting series.

1,485,266. MEANS FOR SECURING SANITARY TOWELS TO BELTS OR SUPPORTS. HAROLD SPOTSWOODE HENNAH, London, England. Filed Mar. 21, 1921. Serial No. 454,061. 1 Claim. (Cl. 24—264.)

A device for securing sanitary towels to a belt or support, comprising a body portion of sheet-material having an upper member provided with a horizontal slot in the upper end thereof and constricted in width towards the base, and arms projecting upwardly and inwardly from opposite sides of said base towards the edges of said body portion said edges of said body and said arms being in opposed relation and substantially reversely curved to form slots of substantially circular shape terminating in short tapering slits where said arms nearly meet the edges of said body portion, said member and said arms lying in a common plane.

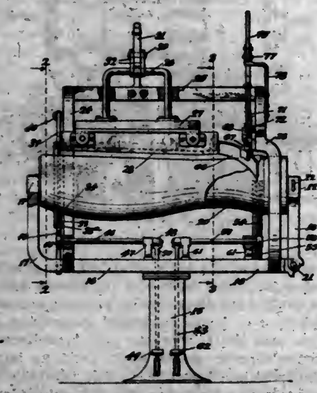


1,485,267. CIGAR HOLDER. JEFFERSON HEEKS, Detroit, Mich. Filed Dec. 5, 1922. Serial No. 605,023. 1 Claim. (Cl. 206—41).



A holder of the kind described comprising a body portion, a mouth piece detachably carried by one end of the body portion, springs arranged within the body portion, clips carried by the springs adapted to embrace a cigar, and beaded pins extending through the wall of the body portion and secured to said springs, pressure upon the pin heads spreading the springs and releasing the clip.

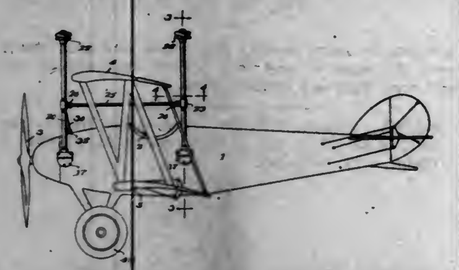
1,485,268. PUTTY-TRIMMING MACHINE. ARTHUR HUGHES, Los Angeles, Calif. Filed Sept. 15, 1922. Serial No. 588,352. 7 Claims. (Cl. 164—57.)



1. A trimming apparatus for putties comprising a form upon which a sheet of material is adapted to be sustained, a split annular blade mounted in encircling relation to

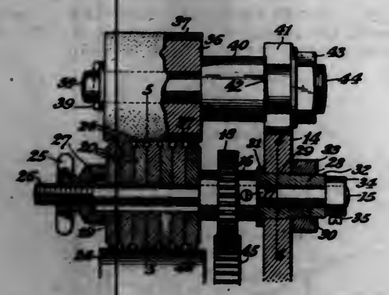
the form, and mechanism for constricting the blade to cut the sheet of material in forming the upper end of a putty.

1,485,269. AEROPLANE. JESSE C. JOHNSON, Delray, Fla. Filed Sept. 4, 1923. Serial No. 660,875. 1 Claim. (Cl. 244—15.)



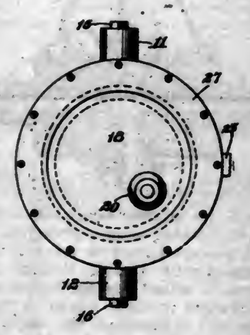
In an aeroplane, a motor driven shaft, transverse shafts extending through the sides of the aeroplane driven by said first mentioned shaft, housings for the shafts, bearing sleeves for the last mentioned shafts in the lateral branches of the housings, inverted L-shaped casings on the ends of the sleeves, gears therein secured to the lateral shafts, upright bearing sleeves secured on the casings, shafts journaled therein having gears meshing with the first mentioned gears, a helicopter on each of the last mentioned shafts, adjustable transverse brace means for the last mentioned sleeves, pivotally secured longitudinal brace means for said sleeves, an arm depending from the outer transverse brace means, a pivotally supported slotted link therefor, an interiorly threaded traveler having a pivot passing through the slot of the link, a threaded rod journaled in bearings received through the traveler and having a cranked end received in the cock pit of the craft, all as and for the purpose set forth.

1,485,270. MACHINE FOR PRINTING TICKETS. JOHN ALWYN KELLER, Bay Shore, N. Y., assignor to Keller Printing Company, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1923. Serial No. 625,574. 3 Claims. (Cl. 101—219).



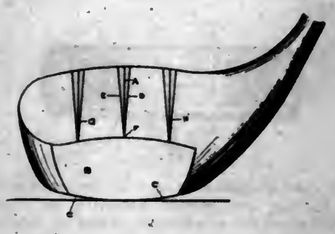
1. In a machine of the class described, for printing successively upon the ticket units of a continuous ticket-strip, a revoluble shaft, type-discs having printing characters at their periphery and keyed in locked connection directly to and upon said shaft, whereby said type-discs have a fixed mounting directly on the shaft itself, an impression platen or bed positioned parallel to said revoluble shaft, a framework having a supporting seat, a bushing-block turnably mounted in said seat and having a cylindrical bore in a longitudinal plane eccentric to the axis of said bushing in its turnable movement, said printing-disc shaft having its revoluble bearing in said bore of the bushing-block, and means for locking said bushing-block in fixed position in its seat, whereby delicate adjustment of the plane of the printing-disc shaft to compensate for very slight variation in the thickness of the paper ticket-strips passing between the type-discs and the platen may be effected by slight movement of the turnable bushing-block in its seat.

1,485,271. SHOCK ABSORBER. ALEXANDER G. KEMMERLING, Celina, Ohio, assignor of one-half to Israel F. Randabaugh, Celina, Ohio. Filed Aug. 5, 1922, Serial No. 579,826. Renewed Oct. 19, 1923. 5 Claims. (Cl. 280—96.2.)



1. In a device of the class described, a stationary member having an annular opening therein, a disk rotatable in the stationary member, a wheel spindle carried by the disk and a resilient device placed under tension by the rotation of the disk.

1,485,272. GOLF CLUB. HAROLD JOHN KINSMAN, Falmouth, England. Filed Feb. 27, 1923. Serial No. 621,638. 5 Claims. (Cl. 46—4.)

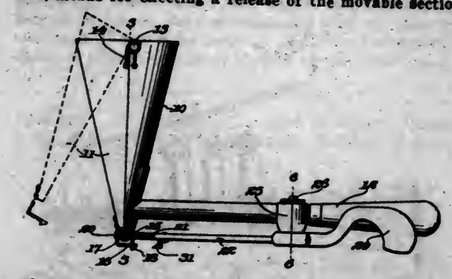


1. In a golf club the combination with a guide line on one face thereof in a plane normal both to the striking face and to the addressing surface, of a line inclined to the guide line on one side thereof and intersecting it at the edge of the face.

1,485,273. DIPPER. CHARLES KLEINTOP, Allentown, Pa. Filed June 20, 1923. Serial No. 646,596. 3 Claims. (Cl. 107—48.)

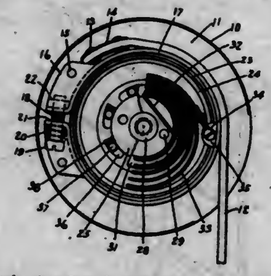
1. A dipper of the character described comprising a body portion having a stationary section, and a relatively movable pivoted section, a handle supporting the stationary section, means for holding the movable section normally fixed with relation to the stationary section, a cutter

blade mounted for movement within the stationary section, means for effecting a release of the movable section,



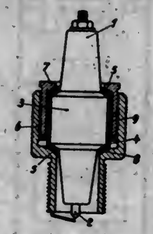
and means controlled by the last mentioned means for operating said cutter just prior to releasing the movable section for the purpose specified.

1,485,274. SHOCK ABSORBER FOR VEHICLES. MICHAEL I. KLINE, Indianapolis, Ind., assignor to American Metals Corporation, Indianapolis, Ind., a Corporation. Filed Dec. 23, 1921. Serial No. 524,429. 6 Claims. (Cl. 267—10.)



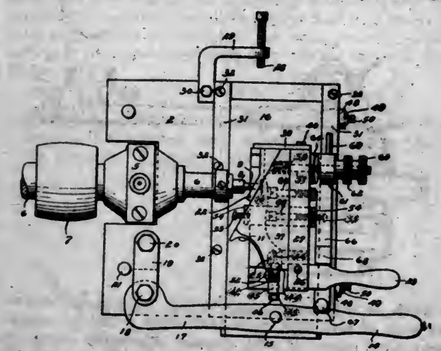
1. A shock absorber for checking the rebound between two relatively movable bodies comprising a hub member fixedly secured to one of said bodies, a clutch member rotatably mounted on said hub member, one of said members being provided with recesses therein, a brake shoe surrounding said member, a flexible strap secured at one end to said brake shoe and at the other end to the other relatively movable body, a rotary clutch mounted in one of said recesses in engagement with the surface of the adjacent member so arranged as to permit the free rotary movement of said members in one direction, and prevent such movement in the opposite direction, and a spring mounted in one of said recesses for yieldingly forcing said rotary clutch into clutching engagement with one of said members.

1,485,275. DISMOUNTABLE SPARK PLUG. HERMANN KOMMERER, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed Apr. 14, 1923. Serial No. 632,153. 4 Claims. (Cl. 123—169.)



1. A dismountable spark-plug, comprising in combination, an insulating body, a metal socket enclosing part of said insulating body, packing material provided between said insulating body and said metal socket, a plug body and a screw-cap for securing said insulating body in said plug body, said metal socket being made to yield in the longitudinal direction of the plug.

1,485,276. CUTTING MACHINE. CHRISTIAN G. KUEBLER, St. Louis, Mo., assignor to Cinderella Heel Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 24, 1921. Serial No. 455,070. 11 Claims. (Cl. 90—18.)



1. In a machine of the character described, the combination of a bedplate, a guideway thereon, a slide, a cradle mounted on slide, workholding members mounted on said cradle, a cutter, and means for driving the said cutter, one of the said workholding members being adjustable and the other being yieldable.

1,485,277. DIRIGIBLE HEADLIGHT. JOSEPH P. LAMUTH, Casper, Wyo. Filed May 15, 1922. Serial No. 560,963. 1 Claim. (Cl. 240—62.)

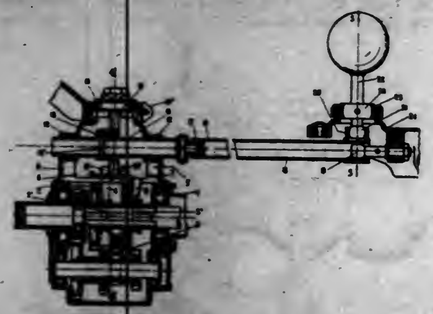


In a motor operated vehicle, the combination with a steering mechanism thereof, of headlights mounted for simultaneous partial rotation, a substantially L-shaped bracket having its long arm arranged at an inclination and fixed to the inclined portion of the fender of the vehicle, a second L-shaped bracket having its long arm straight and fixed to the frame of the vehicle in depending relation thereto, each of said brackets being provided with aligned openings aligned with an opening in the fender, a post depending from each lamp and adapted to pass through the aligned openings for rotation therein, an extension projecting laterally from the lower end of each post, means surrounding each post and engaging the adjacent bracket and extension respectively for preventing undue vertical movement of the post, a rod having off set ends arranged in opposite directions and thence extended on the body of the rod, one of said ends being enlarged and apertured and the opposite end being bifurcated for receiving the adjacent end of the extension, means associating the apertured end of the rod with the steering mechanism and means bridging the posts of the respective lamps for the purpose specified.

1,485,278. CHANGE-SPEED GEAR. VINCENZO LANCIA, Turin, Italy. Filed Dec. 14, 1922. Serial No. 606,947. 4 Claims. (Cl. 74—58.)

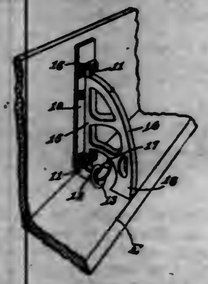
1. In a change speed gear comprising a plurality of slidable pinions, supports parallel with the axis of said pinions, members mounted to slide along said supports

each member engaging one of said pinions to shift it and having a recess, a control part mounted to oscillate and move longitudinally along an axis parallel with said supports, a finger on said control part adapted to engage the recess of either of said members, pins mounted in the gear casing and parallel with said supports, these pins having their ends in front of and spaced from each other,



a tooth on said control part which is engaged between the ends of said pins when said finger is not in engagement with either of said recesses and slides along the same pins after said finger has been engaged with the recess of either of said members and moved longitudinally to shift the same member and its associate slidable pinion.

1,485,279. SIDEBOARD BRACKET. EARL S. LANDIS, Monroe, Ind. Filed Jan. 24, 1923. Serial No. 614,629. 3 Claims. (Cl. 296—14.)

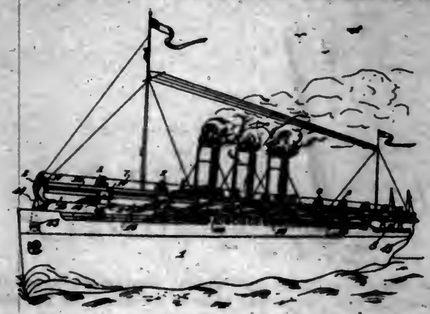


1. A bracket device for detachably mounting side boards upon a hay rack for the purpose of forming a wagon body, comprising supporting members secured upon the outer side of each side board and formed with hooks, eye bolts carried by the sills at the sides of the hay rack and within which said hooks are engageable, and brace members pivoted upon said supports and swingable to extend at right angles thereto bearing upon the sills.

1,485,280. LIFE RAFT FOR VESSELS. ARTHUR W. LYDA, North Canton, Ohio. Continuation of application Serial No. 374,618, filed Apr. 17, 1920. This application filed July 31, 1922. Serial No. 578,537. 7 Claims. (Cl. 9—22.)

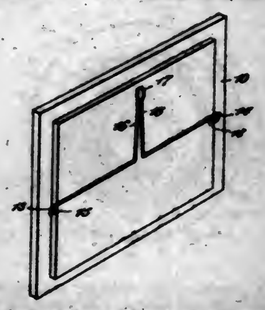
1. In combination with a vessel, a horizontally disposed rail carried along the side of the vessel, a life raft comprising a plurality of sections hingedly connected together and suspended from said rail, means for lowering the rail, and means for automatically releasing said sections from the rail as the sections reach the surface of the water.

7. In a life raft formed of a plurality of sections, a hinged connection between sections comprising a pair of bifurcated members, pivotally connected, upon horizontal, transverse axes to the end portions of adjacent sections,



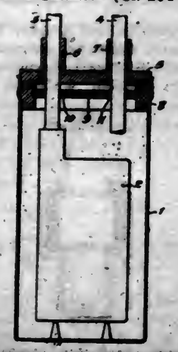
a plate pivotally connected upon a vertical axis to each of said members, and a longitudinal pivotal connection between said plates.

1,485,281. DEVICE FOR HANGING PICTURES. WILLIAM F. MCGOWAN, Brooklyn, N. Y. Filed Mar. 14, 1921. Serial No. 451,965. 1 Claim. (Cl. 40—145.1.)



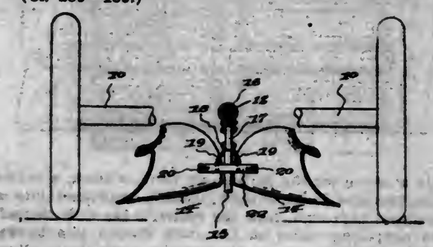
A picture hanger comprising a single length of wire bent to form a loop, downwardly diverging portions extending from said loop and bent at right angles to the axis of said loop and adapted to lie flat against the article to be hanged, the said wire having its ends bent inwardly and provided with sharpened portions for engagement with a picture frame whereby the weight of the picture will cause a tight engagement of the sharpening portions with the same.

1,485,282. RADIO BATTERY CONSTRUCTION. PAUL M. MASSO, Brooklyn, N. Y. Filed Mar. 22, 1923. Serial No. 626,881. 2 Claims. (Cl. 204—29.)



1. A storage battery construction which includes a cup-shaped cover of flexible insulating material, a strengthening plate of stiffer insulating material disposed within the cup of said plate, said cover plate and stiffened plate having apertures through which the terminal posts from the battery plates extend, and sleeves on the upper surface of the cover plate in alinement with the apertures therein to insulate the terminal posts for a considerable distance above the normal surface of the cover plate.

1,485,283. DUSTGUARD. ANDREW MAXWELL, Chicago, Ill. Filed Mar. 8, 1923. Serial No. 623,706. 8 Claims. (Cl. 280—159.)



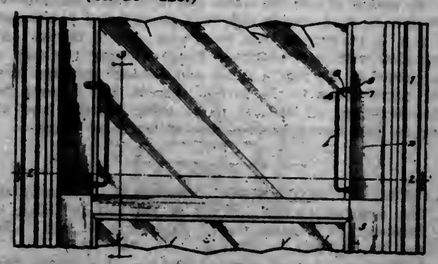
7. A dust guard for road vehicles comprising a guard positioned beneath the same and shaped to deflect dust rearwardly, and depending pivoted links carried by the vehicle and supporting the guard.

1,485,284. HAIRPIN. JOSEPH J. O'BRIEN, Springfield, Mass. Filed Nov. 9, 1922. Serial No. 599,916. 5 Claims. (Cl. 132—50.)



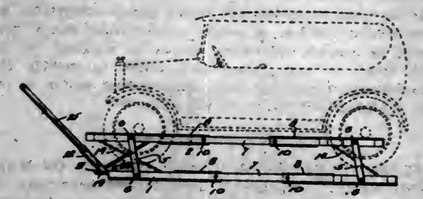
1. A hair pin consisting of a U-shaped body providing opposing legs spaced apart from each other, the legs being provided with terminal portions forming hair entering points, said terminals being spaced apart from each other a less distance than the portions of the legs near the longitudinal center thereof, and said portions being disposed outwardly of the planes of the terminals to provide leg propelling cam surfaces, the said outwardly disposed portions having sloping surfaces and being capable of moving the terminals into contiguous relation when the hair pin is inserted in the hair, but not into cross-wise relation.

1,485,285. SASH GRIP. JOHN T. O'GORMAN, New York, N. Y. Filed Mar. 23, 1922. Serial No. 546,131. 1 Claim. (Cl. 16—125.)



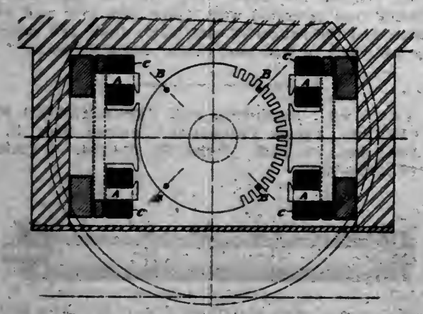
As a new article of manufacture, a sash grip comprising an elongated body provided at its ends with attaching members, said attaching members comprising outer end portions adapted to be secured to the inner face of the upper sash of a window, and inner end portions merging the outer end portions into the body, said inner end portions extending substantially at right angles to the axis of the body and in the plane of the latter for the initial part of their length from their juncture with the body and then being bent to extend laterally of said plane for the remainder of their length, whereby the body will be supported in a plane parallel to and offset inwardly from the plane of the inner face of the upper sash when the outer end portions of the attaching members have been secured to the inner face of the upper sash and the upper sash may be slid vertically in the usual manner without said body being moved thereby into contact with the lower sash.

1,485,286. AUTOMOBILE JACK. WILLIAM H. OVERHOLSER, Churubusco, Ind. Filed Oct. 23, 1922. Serial No. 596,406. 2 Claims. (Cl. 254—88.)



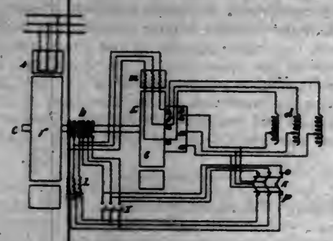
1. In an automobile jack, the combination of an upper frame and a lower frame, each of said frames comprising a plurality of longitudinal bars having U-shaped metal plates affixed thereto and having channels between the bars and the plates, telescopic bars slidably mounted in said channels, said telescopic bars having a plurality of spaced orifices, bolts adjustably securing said telescopic bars to the first named bars and plates to permit of adjustably lengthening or shortening the two frames, cross bars affixed to the respective longitudinal bars other than the telescopic bars, an operating lever mounted on the forward cross bar of the lower frame, and means adjustably connecting the said lever with a rearward cross bar of the upper frame for operating the upper frame to an elevated position.

1,485,287. COMMUTATION OF DIRECT-CURRENT MACHINES. JOSEPH PERRET, Paris, France, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Filed Nov. 23, 1921. Serial No. 517,319. 6 Claims. (Cl. 171—228.)



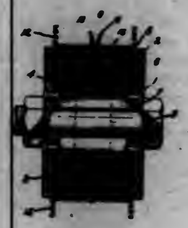
1. In a bi-polar direct current machine adapted to be mounted directly on a vehicle axle the combination of an armature, a bi-polar field structure of substantially the same internal height as the diameter of said armature, and a plurality of commutating poles mounted on said field structure to form commutating zones.

1,485,288. ALTERNATING-CURRENT MOTOR GROUP. JOSEPH PRÉAUBERT and LÉON ORY, Paris, France, assignors to Forges & Ateliers de Constructions Electriques de Jeumont, Paris, France. Filed Jan. 16, 1922. Serial No. 529,659. 8 Claims. (Cl. 172—274.)



1. An alternating current motor group comprising an asynchronous motor, a series commutating motor connected in cascade therewith, means to regulate the no load speed of said group, and means to modify the transformation ratio of said commutating motor to obtain a high power factor at all loads.

1,485,289. ELECTRIC COIL AND METHOD OF MAKING SAME. CHARLES F. PETERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 20, 1922. Serial No. 555,669. 6 Claims. (Cl. 175—21.)



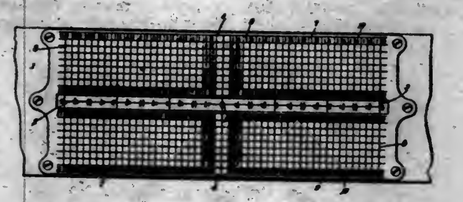
6. The method of making an electric coil comprising the mounting of fabric disks saturated with liquid resin on a tube to form a limp spool, mounting said spool between rigid metal plates, winding a bundle of insulated conductor wire tightly and compactly on said spool, flanging the fabric disks over the wire bundle, winding tape saturated with liquid resin over said wire bundle and the flanges of said fabric disks, and subjecting the whole to high heat to polymerize the resin.

1,485,290. MANDREL FOR PAPER-MAKING MACHINES. AUSTIN PHILHOWER, Hanover Neck, N. J. Filed Jan. 22, 1923. Serial No. 614,204. 7 Claims. (C. 242—72.)



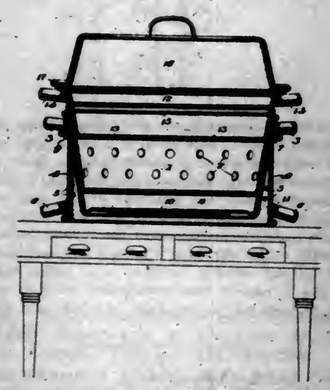
1. In a mandrel, a body, a section movable with respect to said body to vary the effective diameter thereof, a slide, a ring rotatably carried by the body and having a helical groove therein for receiving an end of said slide whereby the latter is moved longitudinally of the body when said ring is rotated in one direction, and means on said slide cooperating with said body to simultaneously move said slide diagonally relative to the body to project said section laterally therefrom.

1,485,291. LEVEL. GLENN P. PILES, Ruble, Mo. Filed Feb. 28, 1922. Serial No. 539,902. 1 Claim. (Cl. 33—212.)



In a device for the purpose set forth, a stock, a bubble tube arranged longitudinally thereon, graduated into a fractional inch scale from the center to the ends thereof, and computing scales on the stock divided into blocks, and the vertical rows of blocks being centrally in alignment with the graduations on the tube, said blocks having vertical sub-divisions, the aligning sub-divisions having imprinted therein foot scale marks, and the adjacent sub-divisions having imprinted therein inch scale marks or fractions thereof, as and for the purpose set forth.

1,485,292. STERILIZER. ISAAC C. POPPER, New York, N. Y., assignor to The Theroz Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 14, 1918. Serial No. 266,666. 1 Claim. (Cl. 167—3.)

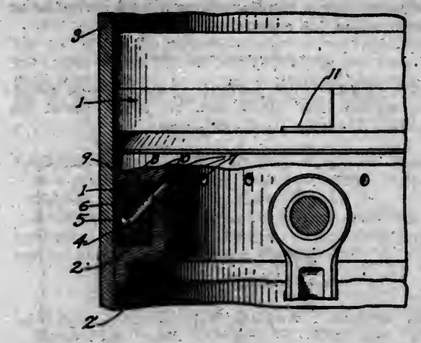


An article of the character described including a lower receptacle, a reversible rim, said parts being perforated, a pan, a perforated disk removably placed therein and provided with a downturned flange whereby the disk is supported in the pan, a gauze and bandage steriliser having perforations in the bottom thereof, and a cover for the steriliser, all of said parts being nestable and all but the disk having beaded rims at the outer edges.

1,485,293. PISTON RING. FREDERICK C. REINEKING, Los Angeles, Calif., assignor of one-half to Ralph G. Zeledon, Los Angeles, Calif. Filed Aug. 31, 1921. Serial No. 497,331. 4 Claims. (Cl. 74—109.)

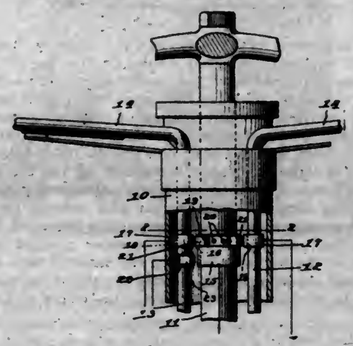
1. The combination with a cylinder, of a piston having a ring groove, a ring having an annular groove mounted in said ring groove, a plurality of passages extending upwardly and inwardly from said annular groove

through the ring, apertures in axial alinement with said passages extending through said piston from said



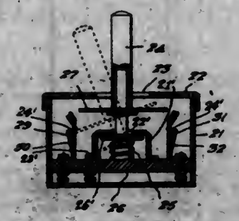
ring groove, said passages and apertures inclined so that oil will flow through the same from the walls of said cylinder.

1,485,294. AUTOMOBILE SIGNAL CONTROL SWITCH. JOSEPH J. RICE, Jr., Frackville, Pa. Filed Mar. 1, 1922. Serial No. 540,345. 1 Claim. (Cl. 200—59.)



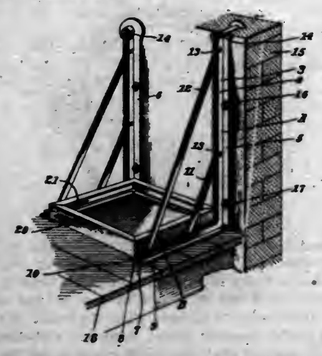
An automobile signal control switch comprising a steering column, a steering post and control rods therein, a collar attached to and insulated from said steering post, spring contact members attached to said collar, other collars attached to and insulated from the control rods, said latter named collars adapted to contact with the spring contact members thereby closing an electric circuit to operate a signal.

1,485,295. DIRECTION SIGNAL. ZALA RIDDLE, San Francisco, Calif. Filed Apr. 2, 1920. Serial No. 370,791. 1 Claim. (Cl. 200—1.)



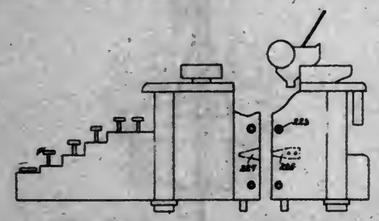
A switch for automobile signalling devices comprising a casing, a cover provided with an enlarged opening and threadedly mounted on the casing, a base secured within the casing and being spaced and arranged parallel with the bottom thereof, a housing provided with a slotted top wall and an offset flange securing said housing to the base, a plate engaging the top wall of the housing and adapted to normally close the slot therein, a coil spring arranged centrally within the housing and having its end convolution bearing against the plate and base respectively, a swinging handle rising from the plate and being yieldably supported by the spring through the medium of the pate, said handle projecting through and beyond the slot in the top wall of the housing and through and beyond the opening of the cover, a disk arranged within the casing and carried by said handle intermediate of its ends, a plurality of stationary contacts secured to said base and arranged in the path of the disk and an offset portion arranged on the free ends of some of said stationary contacts and inclined toward the housing as and for the purpose specified.

1,485,296. WALL BRACKET FOR CABINETS. EDWARD W. SALMON, Jr., Baltimore, Md., assignor to Leo Fesenmeier, Baltimore, Md. Filed Aug. 3, 1922. Serial No. 579,455. 3 Claims. (Cl. 248—18.)



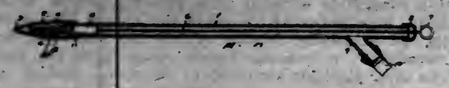
1. A supporting hanger of the character described, comprising an L-shaped arm including spaced web portions throughout its length, each web portion having an outwardly directed flange with the web portions connected together at one end of the arm to provide an attaching eye, and a brace having its ends connected to the arm between the said web portions.

1,485,297. TYPEWRITING MACHINE. FRANZ SÁNDOR, Erfurt, Germany, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed June 18, 1921. Serial No. 478,675. 10 Claims. (Cl. 197—22.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



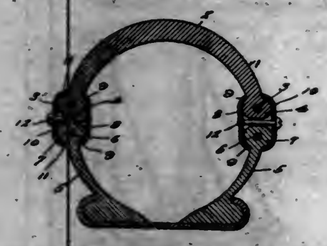
1. A typewriting machine embodying two independent sections separated along a transverse plane, separable cooperating centering means on said sections to properly aline the same, means for detachably securing the sections fixedly together, each of said sections being constructed to be directly and independently supported on the same support by its individual base, the rear section carrying the platen and its controlling devices and the front section carrying the printing instrumentalities.

1,485,296. EMBALMING IMPLEMENT. WILLIAM O. SCHROTH, Cincinnati, Ohio. Filed Apr. 26, 1923. Serial No. 634,769. 4 Claims. (Cl. 27—24.)



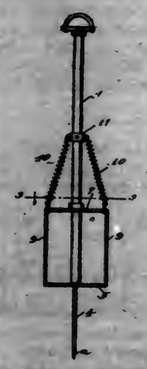
1. An embalming implement having a suction tube and means for creating suction therein, and a cage carried at the end of the tube and consisting of spaced longitudinal strands united at their free ends to provide a penetrating point, said strands being bulged laterally to effect distending of the artery in which the point is inserted, and the tube adjacent the points of connection with the strands being provided with cutting elements.

1,485,299. TIRE. MARTIN L. SCOTT, Pecan Gap, Tex. Filed Apr. 19, 1922. Serial No. 554,418. 3 Claims. (Cl. 152—19).



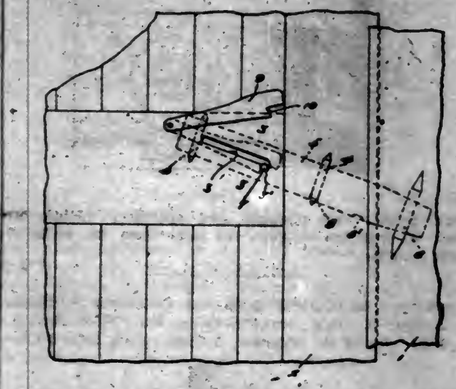
1. A casing for pneumatic tires comprising a tread section and side wall sections, the confronting edges of the tread and side walls formed with cross sectionally rounded beads, annular metal members having flanged edges disposed in the casing to contact with the beads of the tread and side walls, annular metal members arranged against the tire to contact with the outer surfaces of the beads of the tread and side walls, and adjustable means passing between the beads and connecting the pairs of metal members for forcing the same together to compress the beads of the tire casing therebetween.

1,485,300. SPEAR. NICHOLS S. SCOTT, Fort Benning, Ga. Filed Aug. 28, 1922. Serial No. 584,866. 3 Claims. (Cl. 294—61.)



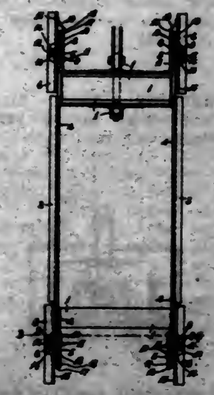
1. A device of the character described comprising a handle member, a penetrating member extending outwardly from an end thereof, the adjacent end of the handle member affording a stop, a cross member slidably mounted upon the penetrating member, the contact of said cross member with the adjacent end of the handle member limiting the movement of the cross member inwardly of the penetrating member, and means for normally holding said cross member at the limit of its inward movement at the inner end of the penetrating member.

1,485,301. BARN-DOOR LATCH. JOSEPH GORDON SEBASTIAN, Mackey, Ind. Filed Oct. 10, 1921. Serial No. 506,576. 1 Claim. (Cl. 292—189.)



In combination with a door and its frame, a latch bar having a tapered front end, staples on the door for slidingly supporting the latch bar, said staples being arranged to hold the latch bar at an incline so that it will move to latching position under the action of gravity, a staple on the frame for receiving the tapered end of the latch bar when the same is in latching position, the door having an inclined slot therein which is covered by the latch bar, the lower end of the slot having a depending portion, a pin passing through the latch bar and through the slot, said pin engaging the depending portion when the bar is in latching position, a locking member pivoted to the interior of the bar and engaging the interior part of the pin to hold the same in the depending part of the slot and a notch in the latch bar for engaging one of the staples.

1,485,302. RUNNER OR GUIDING MEANS OF MINE SKIPS, CAGES, AND OTHER VEHICLES EMPLOYED IN VERTICAL SHAFTS. GEORGE WALTER SHARP, Johannesburg, Transvaal, South Africa. Filed Aug. 31, 1922. Serial No. 585,437. 6 Claims. (Cl. 187—95.)



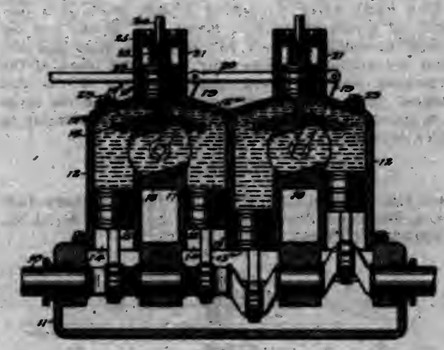
5. Guiding means for mine skips, cages and similar vehicles, comprising, for each guided side of the vehicle and for both the top and bottom of the vehicle, a trunnion

fixed to the drawbar, a trunnion bracket rotatably mounted on said trunnion, and a swivel runner section pivotally mounted on the trunnion bracket in such a way that said runner section can move in a plane at right angles to the plane in which the trunnion bracket moves about the trunnion, the swivel runner sections being provided at the back with rounded or curved surfaces or members which roll on the faces of the trunnions, as set forth.

1,485,303. WOOD SUBSTITUTE. JAMES W. SHERIDAN, New York, N. Y. Filed Sept. 19, 1921. Serial No. 501,646. 1 Claim. (Cl. 106—33.)

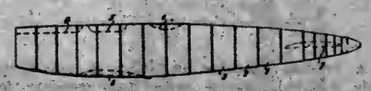
A composition of matter as a substitute for wood, which comprises three parts of sawdust, two parts of talc, one part of cork, and shellac as a binder.

1,485,304. HYDRAULIC BRAKE. SAMUEL BRINTON SHOEMAKER, South Strafford, Vt. Filed Apr. 11, 1922. Serial No. 551,556. 6 Claims. (Cl. 188—90.)



1. In a hydraulic brake, a fluid chamber communicating with a pair of cylinders, means affording a passage from one cylinder to the other, a manually-variable valve controlling said passage, means forming a by-pass to establish a communication between said cylinders independently of the first-mentioned passage, and automatic means controlling said by-pass and actuated by the pressure of the fluid in the chamber.

1,485,305. AEROPLANE FLYING MACHINE. HUGH OSWALD SHORT, Rochester, England. Filed Sept. 11, 1922. Serial No. 587,562. 2 Claims. (Cl. 244—30.)



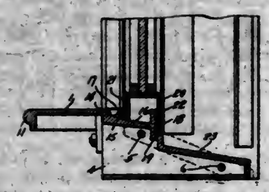
1. In fuselages for aeroplane flying machines; a body composed of a plurality of annular sleeves of sheet metal the end of one of said sleeves entering and fitting in contact for a requisite distance within the adjacent end of the next sleeve and so on, rings of angle section metal located within the interior of the body, one flange of each ring in contact with the interior surface thereof and located to coincide with the overlapping ends of said annular sleeves, and rivets passing through said flanges of said rings and said overlapping ends of said sleeves to permanently and rigidly fix together the overlapping and contacting edges of said annular sleeves and said interiorly located rings.

1,485,306. DENTAL BRIDGEWORK. JACOB J. STARK, Brooklyn, N. Y. Filed Dec. 7, 1922. Serial No. 605,475. 1 Claim. (Cl. 32—12.)



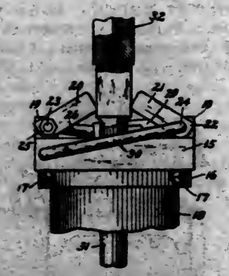
In a device of the class described, a stud structure T-shaped in plan, said structure including a shank forming the T-stem and including a pair of resilient strip elements arranged side by side integral continuations of said elements being oppositely directed away from the stem and then inwardly directed toward the stem to form a plurality of T-head portions each bendable at a multiplicity of points to vary the shape of the stem while resiliently resisting such bending.

1,485,307. SILL CONSTRUCTION. JOHN F. STECKENREITER, Brooklyn, N. Y. Filed Nov. 18, 1921. Serial No. 516,054. 10 Claims. (Cl. 189—75.)



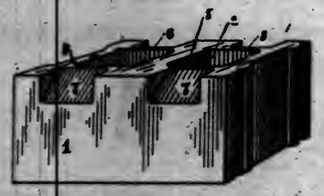
1. A sill made of metal having downwardly projecting end flanges for disposition against a hollow jamb member, a plurality of tie rods extending across between and through the flanges, the ends of the tie rods extending within the jamb members, and means on the ends of the tie rods to fasten them to the jamb members.

1,485,308. HOLDING DEVICE FOR SUCKER RODS. RALPH H. STEGEMAN, Anaheim, Calif. Filed Dec. 22, 1922. Serial No. 608,585. 5 Claims. (Cl. 24—249.)



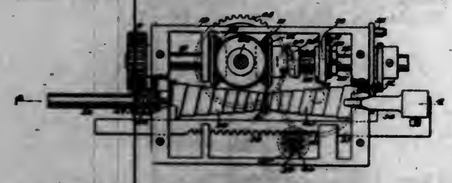
2. A holding device of the character described comprising a support, jaws, a mounting for movably supporting the jaws including shafts, an operative connection between the shafts and comprising a slotted arm whereby movement of one shaft effects a corresponding movement of the other shaft, and manually operable means for moving one of the shafts.

1,485,309. BUILDING BLOCK. CHARLES A. STEWARD, Plano, Ill. Filed Nov. 20, 1920. Serial No. 425,412. 3 Claims. (Cl. 72—41.)



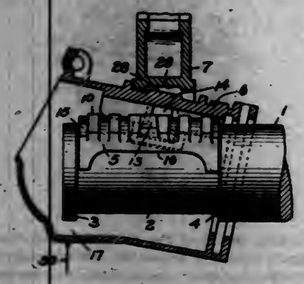
1. A block having a vertical passage therein, and provided at top and bottom with inclined ducts extending from said vertical passage through opposite side walls of said block, said ducts being open and respectively adapted to mate with similar ducts in other blocks to form ventilative passages.

1,485,310. SHUTTLE-THROWING MECHANISM. CARL H. STRALUCKE, New York, N. Y. Filed June 21, 1922. Serial No. 569,938. 5 Claims. (Cl. 139—145.)



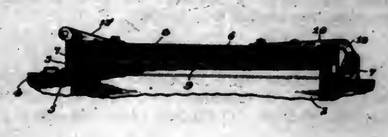
5. In a shuttle throwing mechanism, a picker, a reciprocating shaft for operating said picker, said shaft having a notch, a spring for moving said shaft in one direction, a reciprocating bar for moving the shaft in the opposite direction, a pivotally mounted catch having a projection adapted to fit into said notch for locking the shaft against movement, said catch being formed with a notch extending from one side past the center, a shaft normally extending through said notch, a roller carried by said catch, a cam carried by said shaft and movable to a position engaging said roller for moving the catch to a position out of engagement with said shaft, said shaft being locked when the springs are under tension and unlocked for permitting the springs to operate the shaft and picker.

1,485,311. RAILWAY TRUCK. EDGAR W. SUMMERS, Pittsburgh, Pa.; Patience C. Summers executrix of said Edgar W. Summers, deceased. Filed May 9, 1921. Serial No. 468,009. 13 Claims. (Cl. 105—220.)



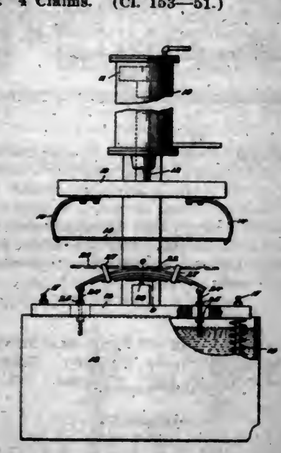
1. In a railway truck, the combination of an axle provided with a journal having at its end a flange forming a thrust bearing face, a bearing mounted upon the journal and having a substantially semi-circular end face cooperating with said thrust bearing face, and a journal box enclosing said journal and bearing and having the outer portion of its lower wall spaced from the journal to permit the outer end of the box to be turned upwardly to an extent sufficient for the removal of said bearing.

1,485,312. HATCH COVER. EDWARD A. SWEELEY, Alexandria, Va., assignor to The Wine Railway Appliance Company, Toledo, Ohio, a Corporation of Ohio. Original application filed Oct. 3, 1922, Serial No. 592,060. Divided and this application filed June 1, 1923. Serial No. 642,819. 5 Claims. (Cl. 98—22.)



1. A hatch cover comprising a body made of a plurality of layers of wood, a metal rim, having one leg thereof extending between two layers of wood and the other leg extending downwardly below the plane of the undermost layer of wood, the latter leg of the rim adapted to enclose the walls of a hatch when the cover is in its closed position and the rim forming a frame to which both layers of wood are secured.

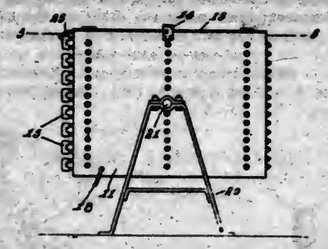
1,485,313. BENDING MACHINE. JOHN WALLACE TAYLOR, Cleveland, Ohio. Filed June 21, 1921. Serial No. 479,354. 4 Claims. (Cl. 153—51.)



1. A bending machine including in combination, a flexible mandrel, spaced supporting elements for the mandrel, said elements being relatively adjustable so that the mandrel may be flexed to different degrees of curvature, the mandrel so diminishing in cross section from one supporting element toward the adjacent element that the portion thereof between said supports automatically assumes a circular curve for all adjustments of the supporting means.

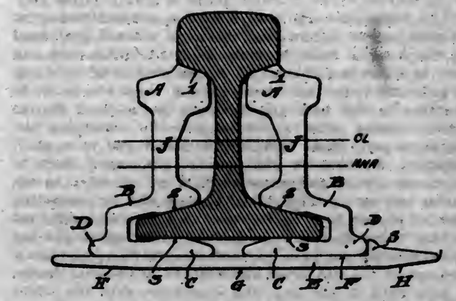
1,485,314. ICE-LOOSENING DEVICE. JOSEPH H. TAYLOR and WILLIAM F. POWELL, Rocky Mount, N. C. Filed June 11, 1923. Serial No. 644,753. 3 Claims. (Cl. 62—113.)

1. An apparatus for thawing ice from molds, comprising a receptacle, piping lining the interior of the receptacle and through which a fluid is adapted to circulate to produce an artificial heat, said piping having an inlet



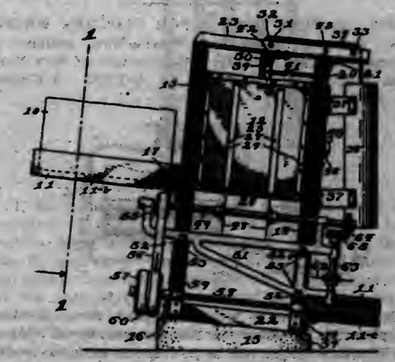
and an outlet opening, and straps supported by the bottom and end walls of the receptacle to prevent the mold from coming in contact with said piping.

1,485,315. RAIL-JOINT STRUCTURE. MCLEOD THOMSON, Chelsea, N. J., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1922. Serial No. 587,852. 12 Claims. (Cl. 238—188.)



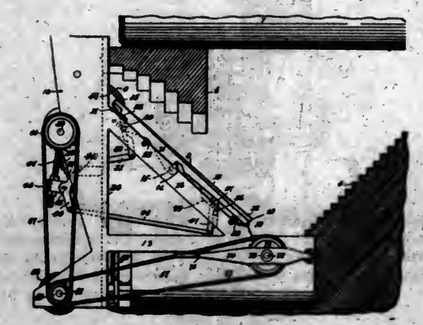
6. A rail joint structure including opposite base supporting joint bars each having a truncated base part reduced in thickness of metal, and an eccentrically loaded abrasion plate.

1,485,316. MACHINE FOR MARKING ICE. WALTER D. TICKEL, Oklahoma City, Okla., assignor to Peerless Ice Scoring Machine Co., Oklahoma City, Okla. Filed May 12, 1920. Serial No. 380,843. 17 Claims. (Cl. 125—13.)



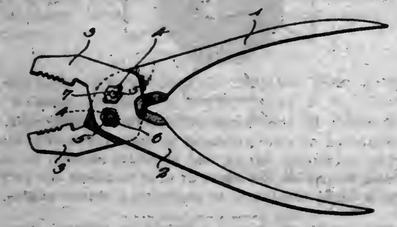
14. In a device for the purpose described, the combination of a cage, and a scoring device arranged to score the ice in its passage out of said cage.

1,485,317. MECHANICAL-STOKER FURNACE GRATE. STANISLAW WADAS, Philadelphia, Pa. Filed Sept. 15, 1921. Serial No. 500,751. 5 Claims. (Cl. 110—33.)



1. In a mechanical stoker furnace grate, a hopper, a rocking feeder bar journaled upon a horizontal axis, a coking grate including separate grate bars having their upper ends pivoted to said feeder bar and cooperating therewith to form a bottom for said hopper, a main grate including grate bars alternate ones of which are mounted near their lower ends for swinging movement or vibration and the remaining ones of which are mounted near their upper ends for swinging vibration, said grate bars of the coking grate having their lower ends resting upon the upper ends of said alternate grate bars of the main grate, the bars of the coking and main grate extending longitudinally of the furnace with the bars of the main grate inclined, and means to vibrate all of the grate bars of said main grate.

1,485,318. PLIERS. WILLIAM M. WAY, Coalinga, Calif. Filed Nov. 20, 1922. Serial No. 602,093. 9 Claims. (Cl. 294—44.)



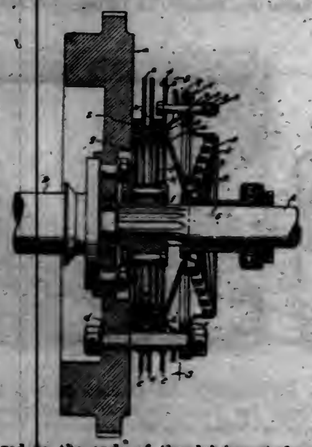
1. Connecting means for the handles of a tool of the type specified embodying a pin carried by and movable with one handle and extending slidably through a slot in the other handle, said pin being disposed at one end of the slot when the jaws are in engagement with one another and being automatically moved to the opposite end of the slot as the handles are spread apart, whereby to permit additional adjustment of the jaws to be had.

1,485,319. CLUTCH. ERNEST E. WEMP, Detroit, Mich. Filed May 19, 1921. Serial No. 470,851. 20 Claims. (Cl. 192—69.)

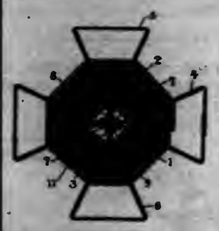
3. In a clutch of the type described, a set of clutch disks provided with clutch facings, and a second set of clutch disks some of which are united but spaced and are provided with outwardly-extending portions beyond the other set of clutch disks for the purpose of providing air-cooling fins.

18. A clutch, having in combination a fly wheel, driving studs carried by the fly wheel, a plurality of driving

and driven discs, and a clutch assembly unit cooperating with said discs but an independent assembly and removably secured to the ends of the driving studs, said unit including an abutment, thrust ring, and a thrust-producing means between the abutment and the thrust ring.

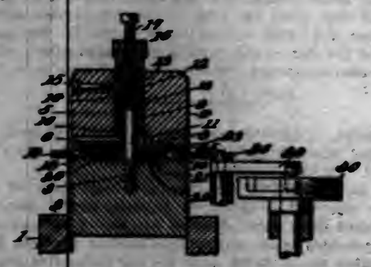


1,485,320. SHIPPING FRAME FOR LONG-PILE GOODS. FRANK R. WHEELER, New York, N. Y., and BOWMAN M. MCMERKIN, Shelton, Conn., assignors, by mesne assignments, to Central Union Trust Company of New York, trustee, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1919. Serial No. 325,077. 2 Claims. (Cl. 206—51.)



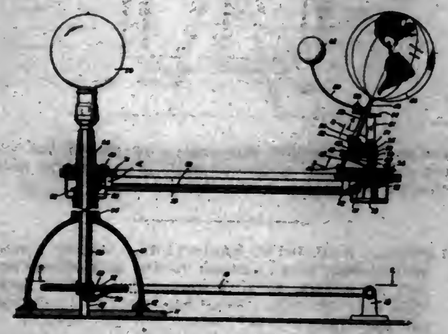
1. A device of the character described comprising, a body composed of slats arranged in cross formation, more than two outwardly flaring end members secured to said slats, and means on the edges of said members for carrying and holding the fabric in convolving obtuse angles.

1,485,321. DEVICE FOR LAPPING GAUGES. GEORGE ED. WILKINSON, Elgin, Ill., assignor to Elgin National Watch Company, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1919. Serial No. 299,743. 5 Claims. (Cl. 51—113.)



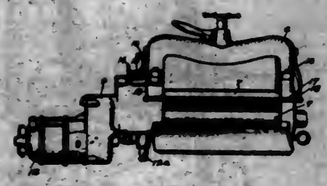
1. In a device of the class described, the combination of a rotating lapping member, a second lapping member spaced therefrom and positively rotated thereby, work holding means normally arranged between said lapping members means for moving said work holder relatively to said lapping members, and means for moving one of the lapping members toward the other as the gauges in the work holding means are reduced in thickness.

1,485,322. TELLURIAN. SCHAI A. WINETSKY, New York, N. Y. Filed Aug. 29, 1921. Serial No. 496,325 2 Claims. (Cl. 35—3.)



1. A tellurian comprising, a base, a sun and means for illuminating it mounted on the base, a bevel gear fixed to the base, a tube rotatably mounted in the base, an arm and a casing carried by the upper end of tube and a gear fixed to the lower end, a crank mounted in bearings in the base and having a worm fixed thereto which meshes with the tube gear for operating the latter, a gear frame fixed to the upper end of a shaft rotatably mounted in the arm, a bevel gear fixed to the lower end of the frame shaft, a rod mounted in the casing and having a bevel gear on each end for connecting the bevel gear fixed to the base to the bevel gear fixed to the frame shaft to operate the latter as the casing revolves about the base, an earth having its axis properly inclined to the sun rotatably mounted in the gear frame, a gear fixed to the arm and concentric with the frame shaft, a shaft having a bevel gear which meshes with the fixed gear on the arm, a plurality of gears mounted in the frame and connecting the rotary frame shaft to the axis of the earth, a moon connected by an arm to a sleeve mounted on the axis of the earth, a gear integral with the sleeve, a second gear mounted on the rotary frame shaft to convey the motion of the latter to the moon, a plate inclined at an angle to the horizontal mounted on the gear frame, and a roller mounted on the moon connecting arm and co-operating with the plate to give the moon the proper relative positions to the earth.

1,485,323. SAFETY DEVICE FOR CLOTHES WRINGERS. JAMES J. WOOD, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,623. 6 Claims. (Cl. 192—133.)



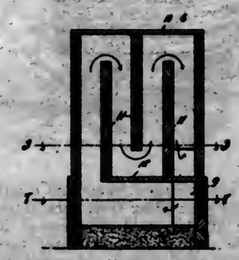
1. In combination, a wringer, means for controlling the application of power to the wringer for driving it which means when moved in one direction from neutral position effects the operation of the wringer in one direction and when moved in another direction from neutral position effects the operation of the wringer in the opposite direction, a guard frame which presents a part which lies along and substantially in front of the wringer rolls, said part being free to be moved and carried by the frame in a substantially horizontal plane, a pivotal support for the frame on which it moves, and a connecting mechanism between the guard frame and the controlling means for moving the latter to the neutral position when said part of the guard frame is moved in the same direction as material passing through the wringer.

1,485,324. ROLLING WINDOW SCREEN. ARTHUR YERLY, Gary, Ind. Filed Mar. 21, 1919. Serial No. 283,978. 1 Claim. (Cl. 156—39.)



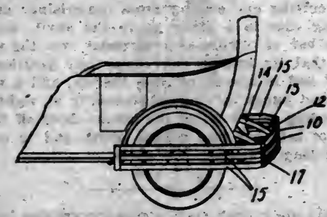
A device of the kind described comprising in combination with a spring actuated roller, a screen carried by the roller, resilient tapes secured to the side edges of the screen, guides for the side edges of the screen, each being formed from a single piece of sheet metal folded on itself to provide a flange for attachment to a vertical stile of a window frame, the guides being formed with spaced parallel side portions extending from the attaching flange, one of said side portions being offset from the flange but both being inturned at their free edges, the resilient tapes slidably engaging between the inturned portions of the guides, means carried by the screen at its edges and disposed within the guides to prevent lateral or sidewise movement of the screen, and means for moving the flanges of each guide towards each other to effect a clamping operation on the tapes and the adjacent edges of the screen for the purpose specified.

1,485,325. FURNACE. CONRAD H. ZIBE, York, Nebr. Filed Apr. 6, 1922. Serial No. 550,064. 2 Claims. (Cl. 110—97.)



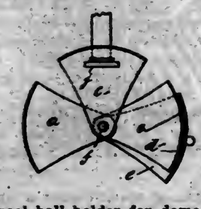
1. In a furnace construction, a fire-box, said furnace including a central compartment and lateral compartments, said lateral compartments communicating with the fire-box at one end of the fire-box, said lateral compartments communicating with the central compartment at the rear of the furnace, and adjacent to the upper wall of the fire-box, a plurality of vertical walls disposed within the lateral compartments, one of the walls having its lower edge spaced from the upper wall of the fire-box, the opposite walls having their upper ends arranged in spaced relation with the upper wall of the furnace to provide baffles, and baffles in the central compartment to obstruct passage of products of combustion therethrough.

1,485,326. AUTOMOBILE BUMPER. WILLIAM F. ADAMS, Santa Monica, Calif. Filed Aug. 31, 1923. Serial No. 660,380. 1 Claim. (Cl. 293—55.)



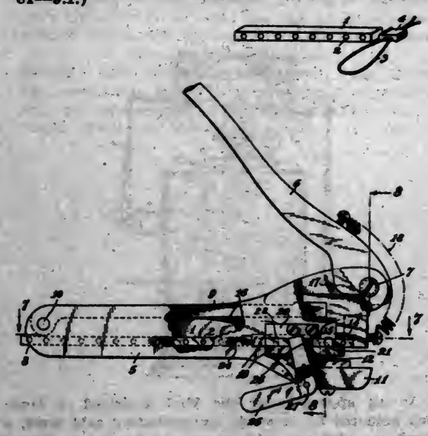
A bumper for automobiles including transverse guard means rigidly attachable to a part of the automobile and side guard means attached to the transverse guard means and adapted to be readily adjusted to permit the removal and application of the automobile wheels.

1,485,327. HOLLOW WOOL-BALL HOLDER FOR DOMESTIC USE. JOHN BLENNERHASSETT, Birmingham, England. Filed Dec. 5, 1922. Serial No. 605,125. 2 Claims. (Cl. 242—146.)



2. A hollow wool ball holder for domestic use combining a plurality of fixed hollow ball members spaced apart, a swingable hollow ball member diametrically pivoted to the fixed members to swing over them to open the entrance to the holder and to close said entrance while leaving a space between it and the adjacent members, and a suspension means for the holder, substantially as described.

1,485,328. METHOD AND MEANS FOR SEALING. WINFRED M. BROOKS, South Orange, N. J. Filed June 12, 1923. Serial No. 644,829. 14 Claims. (Cl. 81—9.1.)

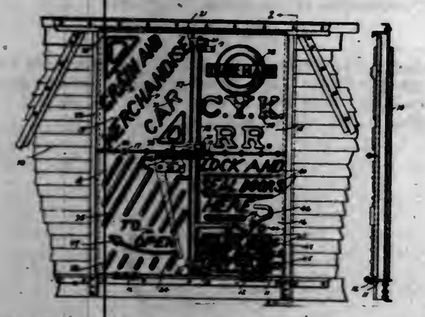


1. The method of producing seals which consists in providing a bar of compressible material with openings, then introducing an element to be sealed into one of said

openings, then severing a seal length, containing the element to be sealed, from the bar and then compressing the seal.

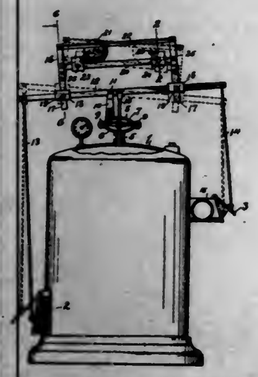
11. A cutting and sealing press comprising: an anvil, a shearing edge in a plane above the anvil, means for feeding a bar of compressible material over the shearing edge so that its leading end comes into position above the anvil and in spaced relation thereto, and a shearing member and punch moving substantially at right angles to the feeding movement of the bar to shear off the leading end of said bar into a seal length and to compress said seal length against the anvil.

1,485,329. RAILWAY-CAR CONSTRUCTION. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1923. Serial No. 617,125. 3 Claims. (Cl. 105—409.)



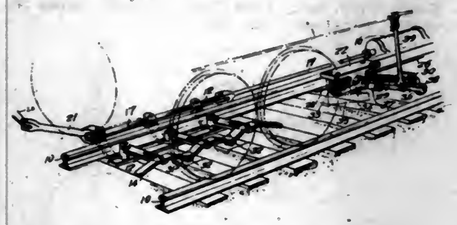
2. As an article of manufacture a sheet metal body plate for the vertical parts of railway cars, the parts of said plate within its margins being corrugated, stiffened and strengthened with integral intelligence-conveying lettering arranged out of the main plane of said plate so as to resist the bending of the plate on various cross lines, the letters running one into another and effecting continuity of reinforcement.

1,485,330. DRAFT REGULATOR FOR STEAM BOILERS. ARTHUR C. DOLE, Sr., and ARTHUR C. DOLE, Jr., Kansas City, Mo. Filed Mar. 19, 1921. Serial No. 453,787. 9 Claims. (Cl. 236—26.)



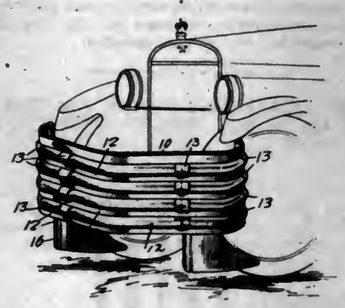
1. In an apparatus of the kind described, a lever, means actuated by pressure for oscillating said lever, a support mounted on said lever and having a runway arranged to be tilted in opposite directions when the lever is oscillated, two stop members adjustable toward and from each other on said support and disposed respectively at opposite sides of the fulcrum of said lever, and a weight movable by gravity on said runway when the latter is tilted and arranged to have its movement in opposite directions respectively limited by said stop members, substantially as set forth.

1,485,331. RAILROAD SAFETY DEVICE. ISAAC L. EDWARDS, Aurora, Ill. Filed Jan. 18, 1923. Serial No. 613,519. 5 Claims. (Cl. 246—190.)



1. The combination of cooperating members on train and road bed, the latter comprising a bar thin in a vertical direction and mounted for horizontal movement laterally and longitudinally at the same time to place it into and out of position for operation, the upper surface of said bar being its working surface, and means for thus moving such bar.

1,485,332. BUMPER FOR MOTOR VEHICLES. ISAAC L. EDWARDS, Aurora, Ill. Filed May 14, 1923. Serial No. 638,967. 7 Claims. (Cl. 293—54.)



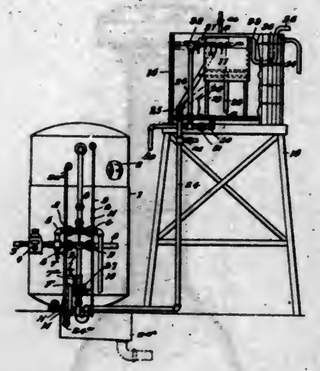
2. A bumper comprising a frame and elastic strip form cushioning means protruding from such frame, the frame having in rear of the cushioning means a space into which the same may pass, said space being narrower than the thickness of such means whereby the latter may squeeze therein.

1,485,333. PROCESS OF DEODORIZING AND PRESERVING. HENRY HICKS HURT, Yonkers, N. Y., assignor to Robeson Process Company, New York, N. Y., a Corporation of New Jersey. Filed May 18, 1920. Serial No. 382,381. 4 Claims. (Cl. 167—3.)

1. The process of temporarily preserving and deodorizing albuminoid animal matter which consists in applying to the same a sulfite waste liquor preparation.

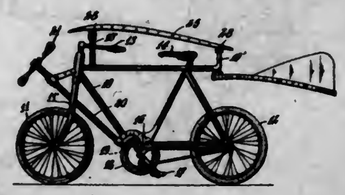
4. The process of temporarily preserving and deodorizing albuminoid animal matter which consists in applying to the same an acid sulfite waste liquor preparation substantially free of lime.

1,485,334. PROCESS OF REGENERATING SPENT ZEOLITES. HEINRICH KREIDSHEIM, New York, N. Y., assignor to The Permutit Company, New York, N. Y., a Corporation of Delaware. Filed July 22, 1920. Serial No. 398,087. 22 Claims. (Cl. 23—13.)



1. In the softening of water by zeolitic methods wherein hard water to be softened and a regenerating flow of salt solution are alternately passed through a bed of zeolites, the process which comprises continuing the flow of salt solution as long as emerging solution carries substantial amounts of hardness-giving substances, discontinuing the flow, removing from the zeolitic material the salt solution remaining therein, rinsing salt out of the zeolitic material by water, and delivering the reclaimed salt solution and the weaker solutions formed in rinsing to a storage receptacle in such a way that the various salt solutions shall be stored in superimposed order of their densities therein.

1,485,335. MANUAL BICYCLE AEROPLANE. ELIAS MARTINEZ, Port Arthur, Tex. Filed July 6, 1923. Serial No. 649,836. 3 Claims. (Cl. 244—14.)



1. In an aeronautical machine, a pair of wings, socket elements thereon, a vehicle, and bolts carried by said vehicle adapted to engage in said sockets to attach the wings to the vehicle, said bolts having transversely movable hooks adapted to engage shouldered elements in the sockets to hold the bolts against displacement from the sockets.

1,485,336. PRESSURE GAUGE. JOHN R. PADESKY, La Crosse, Wis., assignor to National Gauge & Equipment Company, La Crosse, Wis., a Corporation of Wisconsin. Filed July 30, 1923. Serial No. 654,584. 2 Claims. (Cl. 116—129.)

1. In a gauge, a casing open at one end, a dial plate supported in said casing, a pointer in said casing movable over said dial, devices in said casing for operating said pointer, a cap fitted to the open end of said casing, and a spacing member between said cap and dial having a part bearing on said dial to hold the same in spaced relation with said pointer, said cap and spacing member having openings to expose the indications on said dial



and said spacing member also having an opening therein to provide clearance space for said pointer operating devices.

1,485,337. CARTRIDGE PLUG OR WAD. ALFONS G. SCHURICHT and GEORGE T. WRIGHT, Alton, Ill., assignors, by mesne assignments, to Western Cartridge Company, a Corporation of Delaware. Filed June 4, 1921. Serial No. 475,150. 10 Claims. (Cl. 102—42.)

1. A cartridge plug or wad comprising, cellular organic material impregnated with a polymerized oil and compressed to form a pliable article.

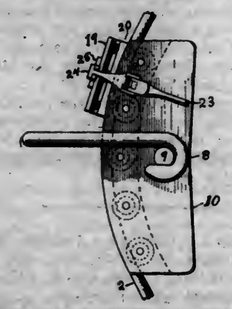
9. In the art of making cartridge plugs or wads, the process comprising, heating an oil to a polymerizing temperature, impregnating a cellular organic material therewith, and heating the impregnated mass at a cementing temperature.

1,485,338. FLOATING TRAWLING FISH SEINE. PAUL M. SKRMETTI, San Pedro, Calif. Filed Jan. 21, 1922. Serial No. 530,899. 8 Claims. (Cl. 43—9.)



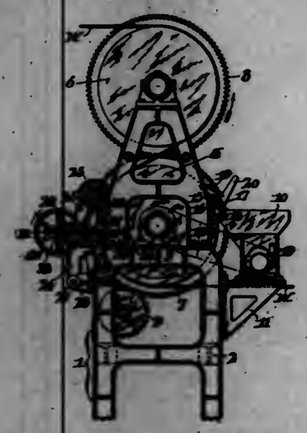
1. A trawling fish seine comprising a bag section, and a trough section arranged in advance of the bag section and adapted to be folded against the bag section to completely close the latter, said bag section having an unrestricted mouth which merges into the trough section.

1,485,339. SPUDDING SHOE. DAN W. UBER, Sheffield, Pa., assignor to Moser Manufacturing Company, Kane, Pa., a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,768. 8 Claims. (Cl. 255—33.)



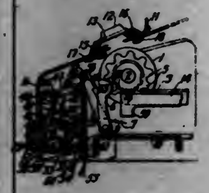
1. A spudding shoe having a cable bearing comprising rotatable members, and means for holding the cable in contact with said members.

1,485,340. APPARATUS FOR APPLYING GRANULAR SURFACING MATERIALS UPON PREPARED ROOFING. GEORGE RITTER, Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Feb. 11, 1922. Serial No. 535,945. 8 Claims. (Cl. 91—29.)



1. In apparatus for applying surfacing material to a base sheet or web, the combination of a main roll about which the web is passed; a cooperative auxiliary pressure roll; pivot arms by which the auxiliary roll is supported for free rotation; a shaft with cranks carried jointly by the arms; and rods respectively coordinated, at one end, with fixed elements and pivoted at the other to the cranks of the shaft.

1,485,341. COMPUTING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,838. 24 Claims. (Cl. 235—60.)

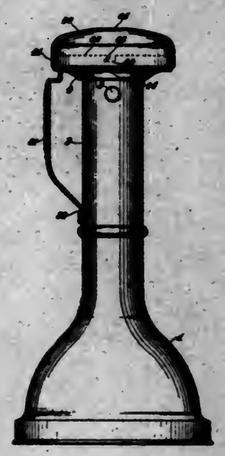


1. In a computing machine, the combination of a register comprising number-wheels for indicating the results of different kinds of computing operations, and automatically-operated means to indicate the kind of result run up on the number-wheels.

23. In a computing machine, the combination of a register comprising number-bearing elements, and automatically-operated means comprising two lamps of different colors to indicate the kind of computation run into the number-bearing elements.

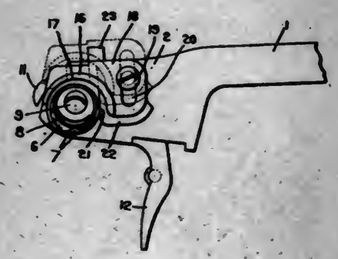
1,485,342. CIGAR LIGHTER. GEORGE BENHAM and MARTIN A. O'MARA, St. Louis, Mo.; said Benham assignor to said O'Mara. Filed Dec. 6, 1917. Serial No. 205,851. 2 Claims. (Cl. 67—4.1.)

1. A cigar lighter, comprising, a burner, igniter mechanism adapted to kindle said burner and including a movable element, means for retaining said element against movement, an actuator yieldingly connected with and adapted to tension said element, during the initial movement of said actuator and while said element is so retained,



means carried by said actuator adapted to thereafter operate said retainer to release said element, and a muffler carried by said element.

1,485,343. LOOM TEMPLE. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 23, 1922. Serial No. 590,017. 6 Claims. (Cl. 139—295.)

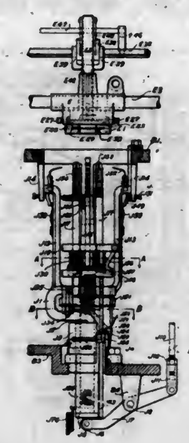


1. A loom temple comprising a shank having a head, a toothed roll rotatably mounted upon a journal extending laterally from said head, a cap having a concave face partially enclosing and normally lying in proximity to the periphery of said roll, means pivotally connecting said cap to said head and means requiring said cap to be bodily moved away from said roll before said cap can be swung pivotally to expose the roll whereby contact of the cap with the teeth of the roll will be prevented.

1,485,344. AUTOMATIC LABEL FEEDER. ROBERT H. FENN, Whitestone, N. Y. Original application filed Dec. 26, 1918, Serial No. 268,296. Divided and this application filed Oct. 7, 1920, Serial No. 415,369. Renewed July 13, 1923. 17 Claims. (Cl. 216—55.)

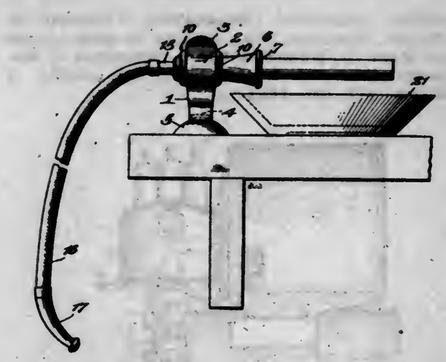
1. In an automatic box machine, a label feeder comprising a vertically reciprocated yoke platen with cam means

for operating the same, said yoke platen provided with a hollow shaft extending below, and a bearing therefor;



vertical arms extending upwardly from the sides of said yoke platen and guides therefor.

1,485,345. COMBINATION CIGARETTE HOLDER AND SMOKING TUBE. ROBERT G. FLEMING, Newark, N. J., assignor to The Smokador Manufacturing Company, Inc., Bloomfield, N. J. Filed July 11, 1923. Serial No. 650,797. 2 Claims. (Cl. 131—51.)



2. In a combined cigarette holder and smoking tube, a receiver, a cigarette holder, means formed to removably support the holder, means to prevent axial movement of the holder in the supporting means and to retain the holder with the lighted end of the cigarette in a predetermined position overlying the receiver, and a tube having one end connected to the holder and its opposite end provided with a mouth piece.

1,485,346. SMOKER'S APPLIANCE. ROBERT G. FLEMING, Newark, N. J., assignor to The Smokador Manufacturing Company, Inc., Bloomfield, N. J. Filed July 11, 1923. Serial No. 650,796. 4 Claims. (Cl. 131—51.)

4. A holder for cigars and the like including a support, and a pair of members on the support formed to engage opposite sides of a cigar, one of the members being slidable along the support, and means to tension said member, the members being formed at their free ends to allow a cigar



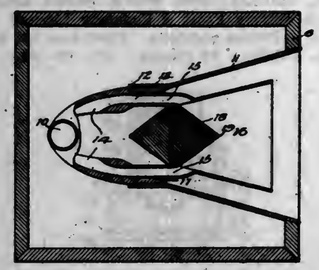
to be engaged therebetween and by pressure thereon to cause sliding of said member to allow the cigar to engage the support and be held thereon by the tensioning means.

1,485,347. SPARK-PLUG CLEANER. CONRAD JACOBS, New York, N. Y. Filed Dec. 20, 1921. Serial No. 523,705. 3 Claims. (Cl. 15—104.01.)



1. A spark plug cleaner, comprising a handle, a blade pivotally mounted in the handle, said blade including a body portion, and an end portion lying in a plane extending at an angle to the plane of the body portion and intersecting it along a line extending diagonally of the axis of the body of the blade.

1,485,348. SOUND CLARIFIER. CORREL W. JOHNSON, New York, N. Y. Filed June 15, 1922. Serial No. 568,586. 1 Claim. (Cl. 181—27.)



A sound clarifier, including an amplifying member, a pair of deflector horns within said member disposed one above the other, a deflector member within each of said horns, a pair of tubes connected to each of said horns and opening into the rear end of each of said deflector horns, sloping walls on said deflector member within each of said horns associated with the tubular opening to direct the sound forward within the horn, and a plurality of passages formed in the walls of the amplifier member, the

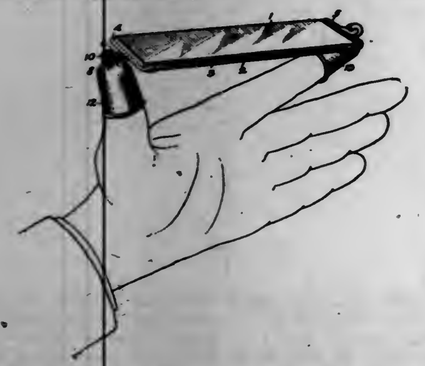
inner ends of said tubes being mounted in the wall in line with the outer ends of said passages, whereby the tubes and the arms are supported from the walls of the amplifier member.

1,485,349. AIRCRAFT. GEORGE FRANCIS MYERS, New York, N. Y. Filed Aug. 23, 1909, Serial No. 514,165. Renewed Feb. 13, 1920. Serial No. 358,434. 10 Claims. (Cl. 244—14.)



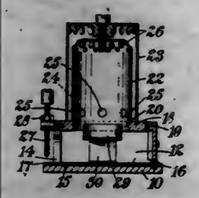
1. A flying machine comprising a body, a stabilizing plane connected with the said body by a pivot which inclines downwardly from its front end to its rear end lengthwise of the machine, and a stabilizing plane which inclines upwardly from its front end to its rear end lengthwise of the machine.

1,485,350. RAZOR STROP. JOHN W. SHEPARD, Tucson, Ariz. Filed Feb. 2, 1923. Serial No. 616,547. 8 Claims. (Cl. 51—198.)



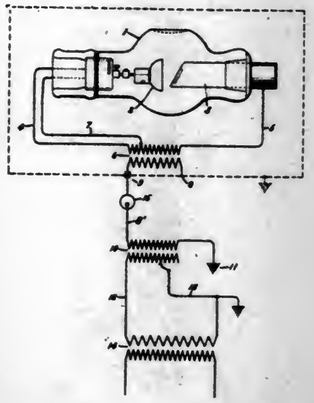
2. A razor strop of the character described, comprising a strop body, and a cup-shaped support connected with said body adjacent each end thereof.

1,485,351. MEANS FOR CONTROLLING THE SUPPLY OF HEAT IN VULCANIZING AND OTHER APPARATUS. WALTER HENRY WELCH, Bristol, England, assignor to Harvey Frost & Company Limited, London, England, a British Company. Filed Jan. 16, 1923. Serial No. 613,024. 15 Claims. (Cl. 18—18.)



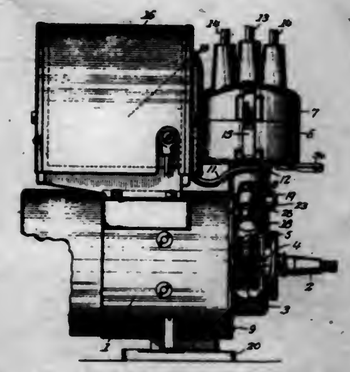
1. In a heating device, the combination of a two-part heating-element whereof one part is arranged to be heated directly and the other is arranged to be heated conductively from the first, means for heating the said first part, and automatic means for introducing into the heat-conducting path between the two parts an element which is a poor conductor of heat and for varying the length of the said poor conductor so as to control the supply of heat to the conductively-heated part.

1,485,352. ELECTRIC DISCHARGE APPARATUS. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 20, 1921. Serial No. 471,239. 4 Claims. (Cl. 250—34.)



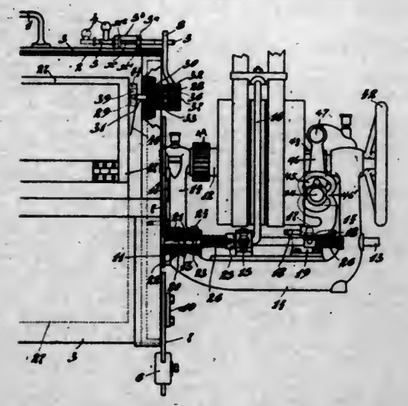
1. An X-ray apparatus comprising an X-ray tube, a transformer having a secondary winding connected to the terminals of said tube, a metal container for said tube and transformer, a ground connection including one point of the primary of said transformer and said container, a leading-in conductor insulated from said container connected to another point of said primary and a local insulating transformer external to said tank having one terminal of the secondary grounded and another terminal connected to said leading-in conductor.

1,485,353. IGNITION APPARATUS. WILLIAM S. HARLEY, Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 1, 1919. Serial No. 335,003. 8 Claims. (Cl. 123—149.)



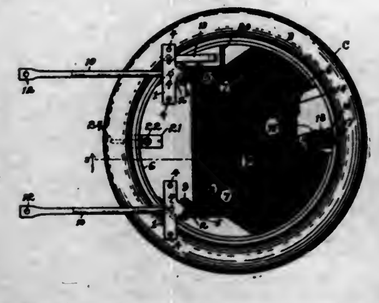
1. In an ignition apparatus, the combination of an electric generator having a housing and an armature shaft journaled therein, a distributor having stationary contacts and a rotatable contact segment, a casing for the distributor supported by the generator housing, a shaft for the distributor segment journaled in a bearing integral with casing and housing, a gear on the armature shaft, and a gear on the distributor shaft adapted to mesh with the other gear, the distributor shaft, and the segment and gear thereon being removable as a unit through the casing.

1,485,354. WASHING MACHINE. OTTO HERRMANN, Erfurt, Germany, assignor to J. A. John Aktien-Gesellschaft, Erfurt-Ilversgehofen, Germany. Filed Aug. 7, 1922. Serial No. 580,206. 6 Claims. (Cl. 192—135.)



1. In a rotary washing machine, the combination with a rotatable inner drum and a stationary outer drum having a slidable cover, of a spring-pressed belt fork tending to maintain itself in the neutral position, a belt drive controlled by said fork and adapted to rotate the inner drum in opposite directions when the fork is reciprocated from one side of the neutral position to the other, a latch adapted to participate in the reciprocating movements of the fork and tending to lock the fork in the neutral position, connection between the latch and said cover whereby the latch is tripped so as to unlock the fork when the cover is closed and released when the cover is opened, and a continuously operated swinging lever adapted to engage with the latch so as to reciprocate the belt fork when the latch is tripped by the closing of the cover.

1,485,355. TIRE CARRIER. NELSON R. WILLIAMSON, Portland, Ind. Filed Mar. 12, 1923. Serial No. 624,410. 4 Claims. (Cl. 280—164.)



2. A device of the nature set forth, including a step, means for hinging the step to a vehicle whereby it may be turned up or down, means for supporting the step when it is in substantially horizontal position, means for detachably retaining the step in upturned position, and means for detachably retaining a tire and its rim around said step.

3. A device of the nature set forth comprising a step, a ring surrounding the step, means for hinging said ring to brackets, means for securing the brackets to a vehicle, brace arms connecting said brackets to a vehicle, and means for detachably connecting an inflated vehicle tire to said ring.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abel Jensen Laboratories, Chicago, Ill. Antiseptic laxative. 179,210; Feb. 5; Serial No. 183,515; published Nov. 13, 1923.

Ablett, Robert, & Co., Inc., Whitesboro, N. Y. Knit underwear. 178,986; Feb. 5; Serial No. 146,750; published Nov. 13, 1923.

Ackerman, Simon, New York, N. Y. Men's clothing. 179,009–10; Feb. 5; Serial Nos. 181,581–2; published Nov. 6, 1923.

Adams, Albert J., assignor to H. H. Waters, New York, N. Y. Preparation for use as a preventive of rheumatism and for neutralising uric acid. 179,162; Feb. 5; Serial No. 168,910; published Nov. 13, 1923.

Advertoshare Co. (See D'Orio, Julius.)

Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet paper. 179,119; Feb. 5; Serial No. 184,576; published Nov. 13, 1923.

Alberto Vales Company, New Orleans, La. Vegetable shortening. 179,056; Feb. 5; Serial No. 185,686; published Nov. 13, 1923.

Alopex Products Company. (See Harris, Irwin J.)

American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Diastatic preparation used for desizing and degumming of fabrics, etc. 179,144; Feb. 5; Serial No. 183,619; published Nov. 13, 1923.

American Cotton Oil Company, The, Union Township, near Guttenberg, N. J. Soap stock. 179,026; Feb. 5; Serial No. 177,466; published Nov. 13, 1923.

American Cotton Oil Company, The, New York, N. Y. Hard fats and cottonseed oils. 179,043; Feb. 5; Serial No. 178,425; published Nov. 13, 1923.

American Wheel Company, Philadelphia, Pa. Automobile steering post locks. 179,323; Feb. 5; Serial No. 145,000; published Nov. 20, 1923.

Ansehl, David, doing business as The Beauty House, St. Louis, Mo. Toilet preparation for the eyes. 179,346; Feb. 5; Serial No. 183,811; published Nov. 20, 1923.

Archbold-Giger & Co., Paterson, N. J. Wheat flour. 179,288; Feb. 5; Serial No. 181,807; published Nov. 13, 1923.

Art-Ad Studio, Mansfield, Ohio. Folders, circulars, leaflets, etc., advertisements, and like advertising matter sold to the trade as such. 179,299; Feb. 5; Serial No. 179,257; published Nov. 13, 1923.

Atkins, Samuel S., Springfield, Ohio. Composition for treating leucorrhea. 179,145; Feb. 5; Serial No. 183,642; published Nov. 13, 1923.

Baldassare, Romano, and Co., Frankfort, N. Y. Hair shampoo. 179,004; Feb. 5; Serial No. 181,717; published Nov. 6, 1923.

Baldwin, Anita M., Santa Anita, Calif. Livestock, including dogs. 179,303; Feb. 5; Serial No. 177,469; published Nov. 13, 1923.

Bamberger, L., & Co. (See Musser, Ida, Inc.)

Bapterosses, F., & Cie., Paris, France. Agate beads and buttons. 24,438; renewed Apr. 3, 1924.

Barber, Arthur W., Chasy, N. Y. Butter, raw cream, fresh eggs, etc. 179,187; Feb. 5; Serial No. 154,118; published Nov. 13, 1923.

Barlow Brothers, Grand Rapids, Mich. Waste baskets. 179,062; Feb. 5; Serial No. 185,738; published Nov. 13, 1923.

Barnes, Will C., Washington, D. C. Calf dehorners. 179,405; Feb. 5.

Bartlett Corporation, The, Philadelphia, Pa. Castor oil. 179,067; Feb. 5; Serial No. 181,810; published Nov. 6, 1923.

Barton, H. H., and Son Co. Inc., Philadelphia, Pa. Abrasive papers or cloths. 179,163; Feb. 5; Serial No. 168,707; published Nov. 13, 1923.

Bates, A. J., Company, Webster, Mass. Shoes and parts thereof. 179,293; Feb. 5; Serial No. 181,472; published Nov. 13, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Biscuits having laxative properties. 179,031; Feb. 5; Serial No. 175,058; published Nov. 6, 1923.

Bay State Milling Co., Winona, Minn. Wheat flour. 179,424; Feb. 5.

Basley, Ernest S., doing business as Basley Markets, Chicago, Ill. Nut oleomargarine. 179,190; Feb. 5; Serial No. 171,242; published Nov. 13, 1923.

Bear Brand Hosiery Co. (See Regal Knitting Company.)

"Bear Cat" Products Co., Detroit, Mich. Finishing or polishing material for painted, varnished, or enameled surfaces. 179,253; Feb. 5; Serial No. 186,210; published Nov. 20, 1923.

Beardsley, Robert, doing business as Beardsley Studios, Chicago, Ill. Lighting fixtures. 179,238; Feb. 5; Serial No. 153,196; published Nov. 13, 1923.

Beauty House, The. (See Ansehl, David.)

Bedsole-Colvin Drug Co., Mobile, Ala. Insect destroyer. 179,352; Feb. 5; Serial No. 183,329; published Nov. 20, 1923.

Beesemyer-Waggoner, Inc., Los Angeles, Calif. Canned fruits and vegetables. 179,057–8; Feb. 5; Serial Nos. 185,688–9; published Nov. 13, 1923.

Behlen, H., & Bro., New York, N. Y. Brushes. 179,316; Feb. 5; Serial No. 185,283; published Nov. 20, 1923.

Bela, Szalai, doing business as "Cito" Gyogyszer es Vegyeszeti Laboratorium, Budapest, Hungary. Medicines used in the treatment of bronchitis, tubercular diseases, etc. 179,168; Feb. 5; Serial No. 165,663; published Nov. 13, 1923.

Bendick, Sidney S., doing business as the Trancilla Company, New York, N. Y. Chemical composition employed in stamping patterns for art needlework. 179,180; Feb. 5; Serial No. 165,264; published July 18, 1922.

Benjamin, Lillian I., doing business as W. J. Benjamin & Son, West Stockholm, and Potsdam, N. Y. Butter. 179,409; Feb. 5.

Bennett, R. L., Co., New York, N. Y. Bathing suits and trunks. 179,186; Feb. 5; Serial No. 155,590; published Nov. 13, 1923.

Bergfors, Gustav A., Braintree, Mass. Lubricating oils. 179,309; Feb. 5; Serial No. 186,212; published Nov. 20, 1923.

Berkson & Modjeska, Chicago, Ill. Neckties. 179,096; Feb. 5; Serial No. 184,231; published Nov. 6, 1923.

Berman, Louis C., Chicago, Ill. Lifting jacks. 179,313; Feb. 5; Serial No. 185,554; published Nov. 20, 1923.

Bernet, Craft & Kauffman Milling Co., St. Louis, Mo. Wheat flour. 179,022; Feb. 5; Serial No. 179,924; published Nov. 6, 1923.

Bertman, Geo. J., Shoe Co., Inc., Chicago, Ill. Shoes. 179,304; Feb. 5; Serial No. 177,422; published Nov. 13, 1923.

Bettmann-Dunlap Company, The, Cincinnati, Ohio. Leather boots and shoes. 179,274; Feb. 5; Serial No. 181,006; published Nov. 20, 1923.

Binghamton Candy Co., Binghamton, N. Y. Candy. 179,092; Feb. 5; Serial No. 184,318; published Nov. 13, 1923.

Blenheim Club Bottling Co. (See Butler, Chas. H.)

Bloch, Louis, doing business as Louis Bloch & Co., Pittsburgh, Pa. Woven and knit underwear. 179,028; Feb. 5; Serial No. 176,059; published Nov. 6, 1923.

Bonny Sun Hat Co. (See Green, George R.)

Bonyata, Charles E., doing business as The Bonyata Chemical Company, Grinnell, Iowa. Hair-dressing preparation. 179,138; Feb. 5; Serial No. 183,690; published Nov. 13, 1923.

Booth, F. E., Co., San Francisco, Calif. Fruit concentrate. 179,059; Feb. 5; Serial No. 185,690; published Nov. 13, 1923.

Boot's Pure Drug Co., Limited, Nottingham, England. Preparation for the treatment of syphilis and other spirochetal diseases. 179,151; Feb. 5; Serial No. 183,552; published Nov. 13, 1923.

Boyd-Breniser Corporation, Wilmington, Del., and Philadelphia, Pa. Hair curlers. 179,184; Feb. 5; Serial No. 156,349; published Nov. 13, 1923.

British International Corporation, New York, N. Y. Hosiery. 179,050; Feb. 5; Serial No. 185,408; published Nov. 6, 1923.

Brooks, Alexander, doing business as A. Brooks Company, San Francisco, Calif. Sandwiches. 179,172; Feb. 5; Serial No. 170,469; published Nov. 13, 1923.

Brown, R. H., & Co. (See Western Wholesale Drug Co.)

Brooks, Smith & Coane, Limited, Philadelphia, Pa. Bituminous coal. 179,254; Feb. 5; Serial No. 185,329; published Nov. 13, 1923.

Brownell, Leigh E., assignor, by mesne assignments, to Brownell Wildfire Battery Co., Inc., doing business as Wildfire Auto Service Co., St. Paul, Minn. Electrolyte for storage batteries. 179,181; Feb. 5; Serial No. 164,302; published Nov. 20, 1923.

Brownell Wildfire Battery Co. (See Brownell, Leigh E., assignor.)

Browning and Atkin, San Diego, Calif. Racing programs. 179,301; Feb. 5; Serial No. 178,549; published Nov. 13, 1923.

Burnham, Stoepel & Company, Detroit, Mich. Boys' and girls' rompers. 179,388; Feb. 5.

Burnch, Frederick I. W., Brooklyn, assignor to Independent Salt Company, New York, N. Y. Salt. 24,550; renewed Apr. 17, 1924.

Bush, Lester C., Columbus, Ohio. Fabric and leather work gloves, pants, etc. 179,095; Feb. 5; Serial No. 184,232; published Nov. 6, 1923.

Butler, Chas. H., doing business as Blenheim Club Bottling Co., Blenheim, S. C. Beverages sold as soft drinks and sirups for making the same. 179,131; Feb. 5; Serial No. 185,173; published Nov. 6, 1923.

Butler Kwik-Lift Company, Inc., Brooklyn, N. Y. Wrecking cranes, shop cranes, freight-car unloaders, etc. 179,397; Feb. 5.

California Food Products Company, Los Angeles, Calif. Gelatin dessert preparation. 179,260; Feb. 5; Serial No. 182,649; published Nov. 13, 1923.

California Fruit Growers Exchange, Los Angeles, Calif. Beverage-dispensing fountains. 179,359; Feb. 5; Serial No. 184,084; published Nov. 20, 1923.

California Tanning Company, St. Louis, Mo. Leather. 179,259; Feb. 5; Serial No. 182,700; published Nov. 13, 1923.
California Tanning Company, doing business as St. Louis Leather Products Co., St. Louis, Mo. Lace-leather strips. 179,410; Feb. 5.
Calvert Lithographing Co., The, Detroit, Mich. Bond paper for printing purposes. 179,226; Feb. 5; Serial No. 186,102; published Nov. 13, 1923.
Calyork Manufacturing Co., The, Los Angeles, Calif. Ladies' and children's hats. 179,332; Feb. 5; Serial No. 177,828; published Nov. 20, 1923.
Cammeyer, New York, N. Y. Leather shoes. 179,160; Feb. 5; Serial No. 179,710; published Nov. 13, 1923.
Canuet Frères, Paris, France. Beads and metal spangles made of steel, copper. 179,356; Feb. 5; Serial No. 184,017; published Nov. 13, 1923.
Carmel, Albert, doing business as The Mount Carmel Co., Baltimore, Md. Snuff used for medicinal purposes. 179,345; Feb. 5; Serial No. 183,818; published Nov. 20, 1923.
Carrier Chemical Company, Charleston, W. Va. Polishing material for automobiles, etc. 179,242; Feb. 5; Serial No. 184,711; published Nov. 6, 1923.
Carroll, William, & Company, Inc., New York, N. Y. Hats for men. 179,266; Feb. 5; Serial No. 182,533; published Nov. 13, 1923.
Carson Pirie Scott & Co., Chicago, Ill. Shoes. 179,295; Feb. 5; Serial No. 180,586; published Nov. 13, 1923.
Case, James L., doing business as Eutaw Chemical Co., Boston, Mass. Preparation for the treatment of toothache. 179,079; Feb. 5; Serial No. 183,094; published Nov. 13, 1923.
Centemeri, P., & Co., New York, N. Y. Leather and fabric gloves, underwear, and hosiery. 179,414–8; Feb. 5.
Chase & Co., Jacksonville, Fla. Preserved, canned, and bottled fruits and canned vegetables. 179,070; Feb. 5; Serial No. 181,727; published Nov. 6, 1923.
Chemical Machinery Experiment Co. Inc., New York, N. Y. Ice-manufacturing machines and parts thereof. 178,999; Feb. 5; Serial No. 164,490; published Nov. 6, 1923.
Cheney Brothers, South Manchester, Conn. Cravats and neckties. 179,116; Feb. 5; Serial No. 184,814; published Nov. 13, 1923.
Cherry Tip Co., The. (See Lyons Bros Co., The.)
Church, C. F., Manufacturing Co., Holyoke, Mass. Bathroom fixtures. 179,156; Feb. 5; Serial No. 181,111; published Nov. 27, 1923.
"Cito" Gyogyszer es Vegyeszeti Laboratorium. (See Bela, Szalai.)
Classy Fabrics Company. (See Yost, Cora.)
Colisan Co. (See Grosse, Friedrich.)
Colorado Condensed Milk Co., Fort Lupton, Colo. Evaporated and condensed milk. 179,302; Feb. 5; Serial No. 178,492; published Nov. 13, 1923.
Colorado Milling & Elevator Co., The, doing business as St. Anthony Flour Mills, Denver and St. Anthony, Colo. Wheat flour. 179,401; Feb. 5.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Pistols, rifles, and sporting guns. 24,696; renewed May 8, 1924.
Community Publicity Service, St. Louis, Mo. Calendars. 179,246; Feb. 5; Serial No. 181,675; published Nov. 13, 1923.
Connaught Antitoxin Laboratories, University of Toronto, Toronto, Ontario, Canada. Substance which will effect the combustion of the carbohydrates in the animal body and remove the symptoms of diabetes mellitus. 179,174; Feb. 5; Serial No. 168,919; published June 26, 1923.
Continental Roofing & Manufacturing Co., The, Highlandtown, Baltimore, Md. Roofing material. 179,155; Feb. 5; Serial No. 180,052; published Nov. 13, 1923.
Corby Baking Company Inc., The, Washington, D. C. Bread and cake. 179,001; Feb. 5; Serial No. 167,294; published Nov. 6, 1923.
Cresta Blanca Punch Co. (See O'Brien, E. J.)
Cromwell, Robert H., doing business as Normany Products Co., Los Angeles, Calif. Preparation for imparting a glossy appearance to the hair. 179,069; Feb. 5; Serial No. 181,734; published Nov. 6, 1923.
Dare, Carolyn T., Atlantic City, N. J. Perfume. 179,076; Feb. 5; Serial No. 183,098; published Nov. 13, 1923.
Davis & Lamb, Newburyport, Mass. Salted peanuts, and peanut butter. 178,995; Feb. 5; Serial No. 163,382; published Nov. 13, 1923.
Dawes, John C., Irvington, N. J. Corn remover. 179,199; Feb. 5; Serial No. 183,332; published Nov. 13, 1923.
Dayton Photo Products Company, The, Dayton, Ohio. Moving-picture machines, light-sensitised paper, and celluloid, etc. 179,179; Feb. 5; Serial No. 165,785; published Nov. 20, 1923.
Delbon, Frank G., Brooklyn, N. Y. Leather shoes. 179,247; Feb. 5; Serial No. 181,591; published Nov. 13, 1923.
Delmore Manufacturing Co., Inc., New York, N. Y. Motor vehicles. 179,240; Feb. 5; Serial No. 151,259; published Nov. 13, 1923.
Detroit Soda Products Co., Detroit, Mich. Cleaning and washing compound, having water-softening properties. 179,090; Feb. 5; Serial No. 181,737; published Nov. 13, 1923.
Deutsche Capselin- & Zinnolitwerke Gesellschaft mit beschränkter Haftung, Hamburg-Wandsbek, Germany. Bottle varnishes, adhesive gums, and sealing wax. 179,003; Feb. 5; Serial No. 166,861; published Nov. 6, 1923.
Dextro Products Inc., Buffalo, N. Y. Glues or pastes. 179,308; Feb. 5; Serial No. 186,220; published Nov. 20, 1923.
Domestic Devices Corporation, New York, N. Y. Blade sharpeners. 179,357; Feb. 5; Serial No. 184,024; published Nov. 20, 1923.
Domino House. (See Sullivan, Marguerite, assignor.)
D'Orio, Julius, doing business as Advertoshare Co., Highgrove, Calif. Chicken-game coupon punch board. 179,038; Feb. 5; Serial No. 170,872; published Nov. 13, 1923.
Dowd, J. C., & Co. Inc., New York, N. Y. Toilet combs, pincushion holders, and buttonhooks. 179,348; Feb. 5; Serial No. 183,470; published Nov. 13, 1923.
Drug Products, Inc. (See Thorburn, Henry C.)
Druggists' Supply Corporation, New York, N. Y. Fountain pen. 179,306; Feb. 5; Serial No. 186,272; published Nov. 20, 1923.
Dunlop Milling Company, Clarksville, Tenn. Self-rising flour. 179,376; Feb. 5; Serial No. 182,740; published Nov. 13, 1923.
Edwards, Perc, doing business as Standard Engineering & Lubricating Co., New York, N. Y. Water neutralizer, scale remover, and scale preventive for boilers. 179,088; Feb. 5; Serial No. 182,238; published Nov. 13, 1923.
Eggimann, Charles F., Springfield, Oreg. Cough drops. 179,351; Feb. 5; Serial No. 183,445; published Nov. 20, 1923.
Elmer & Amend, New York, N. Y. Antiseptic and healing ointment for eczema, piles, burns, etc. 179,083; Feb. 5; Serial No. 182,504; published Nov. 13, 1923.
Electrical Appliance Manufacturing Company, The, Waterbury, Conn. Oven thermometers. 179,305; Feb. 5; Serial No. 186,274; published Nov. 20, 1923.
Electronic Equipment Company. (See Sidney, Charles W.)
Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Agglomerates of solid aldehyde, solid methyl alcohol, and solid ethyl alcohol. 179,139; Feb. 5; Serial No. 183,699; published Nov. 13, 1923.
Elite Fur Shop, Inc., Kansas City, Mo. Fur coats, capes, neckpieces, collars, and jackets. 179,350; Feb. 5; Serial No. 183,447; published Nov. 20, 1923.
Elkin, Joseph, Omaha, Nebr. Refrigerators. 179,110; Feb. 5; Serial No. 183,264; published Nov. 6, 1923.
Elkins Medicine Co., Philadelphia, Pa. Vitamine tonic for the treatment of gland troubles, nervousness, etc. 179,091; Feb. 5; Serial No. 182,143; published Nov. 13, 1923.
Empire State Canning Co., Rome, N. Y. Canned fruits and vegetables. 179,386; Feb. 5.
Enhelder, Jessie J., Fresno, Calif. Compound for treating colds, influenza, etc. 179,077; Feb. 5; Serial No. 183,057; published Nov. 13, 1923.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 179,402; Feb. 5.
Essentialized Flower Oil Company. (See Herroder, Theodore L.)
Eutaw Chemical Co. (See Case, James L.)
Evansville Tool Works, Evansville, Ind. Hammers, hatchets, axes, and wedges. 179,326; Feb. 5; Serial No. 180,423; published Nov. 20, 1923.
Fairbanks, Morse & Co., Chicago, Ill., and Beloit, Wis. Windmills. 24,479–80; renewed Apr. 3, 1924.
Fairmont Creamery Co., The, Omaha, Nebr. Eggs. 179,391; Feb. 5.
Fansteel Products Company, Inc., North Chicago, Ill. Molybdenum and tantalum. 179,283; Feb. 5; Serial No. 181,521; published Nov. 20, 1923.
Farrel Foundry & Machine Company, Ansonia, Conn., and Buffalo, N. Y. Gear-cutting machines and parts thereof. 179,317; Feb. 5; Serial No. 185,212; published Nov. 20, 1923.
Fermé, Gabriel, Paris, France. Patent medicine used in the treatment and prophylaxis of cancer. 179,159; Feb. 5; Serial No. 179,465; published Nov. 13, 1923.
Filene's, Wm., Sons Company, Boston, Mass. Gloves. 179,267; Feb. 5; Serial No. 182,470; published Nov. 13, 1923.
Filene's, Wm., Sons Company, Boston, Mass. Gloves. 179,268; Feb. 5; Serial No. 182,337; published Nov. 13, 1923.
Filene's, Wm., Sons Company, Boston, Mass. Leather boots, shoes, and slippers, shirts, collars, etc. 179,408; Feb. 5.
Fisher, Nath'l., & Co., New York, N. Y. Boots, shoes, and slippers. 179,205; Feb. 5; Serial No. 165,490; published Nov. 13, 1923.
Food Products Ltd., London, England. Meat and milk essence, beverage chocolate, pea soup, etc. 179,334; Feb. 5; Serial No. 176,821; published Nov. 13, 1923.
Forns & Pla, New York, N. Y. Hosiery and undershirts. 179,121; Feb. 5; Serial No. 184,662; published Nov. 13, 1923.
Forshag, C. V., & Co., Franklinton, La. Ointment for the treatment of ringworm, seven-year itch, etc. 179,140; Feb. 5; Serial No. 183,701; published Nov. 13, 1923.
Foster Ryan Shoe Co., Philadelphia, Pa. Shoes. 179,273; Feb. 5; Serial No. 180,974; published Nov. 13, 1923.

Franc-Graham Paper Co. Inc., New York, N. Y. Bond paper. 179,230; Feb. 5; Serial No. 184,787; published Nov. 13, 1923.
Freedman & Engelman, Fresno, Calif. Fresh grapes. 179,051; Feb. 5; Serial No. 185,654; published Nov. 13, 1923.
Friedrich, John, Philadelphia, Pa. Ginger ale, sarsaparilla, and root bear. 179,115; Feb. 5; Serial No. 184,818; published Nov. 6, 1923.
General Paint and Varnish Company, Chicago, Ill. Liquid, hard, or soft soap. 179,109; Feb. 5; Serial No. 183,277; published Nov. 13, 1923.
General Paint and Varnish Company, Chicago, Ill. Varnishes, stains, and paint enamels. 179,148; Feb. 5; Serial No. 183,273; published Nov. 13, 1923.
Germ-O-Salv Company, The, Searcy, Ark. Preparation for the treatment of itch, also for slow-healing and infected sores, etc. 179,086; Feb. 5; Serial No. 182,342; published Nov. 13, 1923.
Gibson, Geo. R., Co., New York, N. Y. Toothbrushes. 179,365; Feb. 5; Serial No. 184,337; published Nov. 20, 1923.
Gilbert Bros. & Co., Inc., Baltimore, Md. Preparation for headache, neuritis, la grippe, etc. 179,084; Feb. 5; Serial No. 182,511; published Nov. 15, 1923.
Gilbert Bros. & Co., Inc., Baltimore, Md. Preparation for the treatment of nervous and sick headache, neuralgia, etc. 179,196; Feb. 5; Serial No. 183,377; published Nov. 13, 1923.
Gilbert Bros. & Co., Inc., Baltimore, Md. Flavoring extracts for foods. 179,197; Feb. 5; Serial No. 183,374; published Nov. 13, 1923.
Gilbert Bros. & Co., Inc., Baltimore, Md. Tooth paste and a cream for the skin. 179,198; Feb. 5; Serial No. 183,372; published Nov. 13, 1923.
Gill Brothers Company, Steubenville, Ohio. Kerosene-lamp burners. 179,149; Feb. 5; Serial No. 183,474; published Nov. 13, 1923.
Glauber, M., & Company, New York, N. Y. Cleaning and disinfectant preparation. 179,344; Feb. 5; Serial No. 183,829; published Nov. 20, 1923.
Gold, Ida, Richmond, Va. Preparation for the treatment of rheumatism, etc. 179,225; Feb. 5; Serial No. 181,886; published Nov. 6, 1923.
Goldsmith Metal Lath Company, The, Cincinnati, Ohio. Metal-tile construction units. 179,413; Feb. 5.
Govett, Ernest, Long Island City, N. Y. Insecticides. 179,150; Feb. 5; Serial No. 183,521; published Nov. 13, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Zinc oxide used for ceramic glazing. 178,997; Feb. 5; Serial No. 163,975; published Nov. 13, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Zinc oxide. 179,064; Feb. 5; Serial No. 186,226; published Nov. 13, 1920.
Grasselli Chemical Company, The, Cleveland, Ohio. Zinc oxide. 179,252; Feb. 5; Serial No. 186,228; published Nov. 20, 1923.
Green, George R., doing business as Bonny Sun Hat Co., Toledo, Ohio. Sun hats for women and children. 179,250; Feb. 5; Serial No. 181,525; published Nov. 13, 1923.
Greendale Dairy, North Adams, Mich. Creamery butter. 178,988; Feb. 5; Serial No. 153,974; published Nov. 6, 1923.
Greene, Tweed & Co., New York, N. Y., and Newark, N. J. Refrigerator latches and levers, ice-house levers, barrel bolts, etc. 179,061; Feb. 5; Serial No. 185,868; published Nov. 13, 1923.
Griscom-Russell Company, The, New York, N. Y. Condensers, heat exchangers, coolers, and dephlegmators. 179,328; Feb. 5; Serial No. 178,100; published Nov. 20, 1923.
Grocers' Baking Company, Louisville, Ky. Bread. 179,161; Feb. 5; Serial No. 169,549; published Sept. 18, 1923.
Grocers Specialty Co., Los Angeles, Calif. Fruit jellies, vinegar, fruits, jams, honey, etc. 179,280; Feb. 5; Serial No. 181,275; published Nov. 13, 1923.
Grosse, Friedrich, doing business as Colisan Co., New York, N. Y. Medicinal preparations for the treatment of intestinal auto-intoxication, etc. 179,270; Feb. 5; Serial No. 182,206; published Nov. 13, 1923.
H. A. S. Coffee Company. (See Schnittker, Henry A.)
Hall Baking Co., Buffalo, N. Y. Bakery products. 179,389–90; Feb. 5.
Halsey, Florence I., New York, N. Y. Marmalade. 179,014; Feb. 5; Serial No. 180,280; published Nov. 13, 1923.
Hanes Hosiery Mills Co., Winston-Salem, N. C. Hosiery. 179,045; Feb. 5; Serial No. 185,220; published Nov. 6, 1923.
Hannahsons Shoe Company, The, Haverhil, Mass. Leather and fabric shoes. 179,294; Feb. 5; Serial No. 180,030; published Nov. 13, 1923.
Harris, Irwin J., doing business as Alopex Products Company, St. Louis, Mo. Preparation for growing hair and eradicating dandruff. 179,321; Feb. 5; Serial No. 183,330; published Nov. 20, 1923.
Harvey Oil Co., The, Cleveland, Ohio. Lubricants. 179,358; Feb. 5; Serial No. 184,029; published Nov. 20, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 179,421–3; Feb. 5.

Heim, F. L., & Son, San Francisco, Calif. Boots and shoes. 179,297; Feb. 5; Serial No. 180,429; published Nov. 13, 1923.
Herroder, Theodore L., doing business as Essentialized Flower Oil Company, Toledo, Ohio. Toilet aromatic oils, face powder, complexion creams, toilet water. 179,219–20; Feb. 5; Serial No. 181,990–1; published Nov. 6, 1923.
Hickey-Freeman Co., Rochester, N. Y. Overcoats and topcoats. 179,027; Feb. 5; Serial No. 177,378; published Nov. 6, 1923.
Hisey, Milton E., Painesville, Ohio. Preparation for the treatment of pyorrhea. 179,282; Feb. 5; Serial No. 181,341; published Nov. 20, 1923.
Hochschild, Kohn & Co., Inc., Baltimore, Md. Corsets, girdles, dresses, etc. 179,127; Feb. 5; Serial No. 184,450; published Nov. 6, 1923.
Hollbach, John, Company, Paterson, N. J. Corsets, brassières, bust supporters, etc. 179,276; Feb. 5; Serial No. 181,025; published Nov. 20, 1923.
Holtite Manufacturing Company, Baltimore, Md. Rubber heels for shoes. 179,300; Feb. 5; Serial No. 178,845; published Nov. 13, 1923.
Hood River Spray Company, Hood River, Oreg. Insecticides. 179,322; Feb. 5; Serial No. 183,832; published Nov. 20, 1923.
Horlick's Malted Milk Company, Racine, Wis. Powdered extracts of grains used as a milk modifier. 179,213; Feb. 5; Serial No. 182,417; published Nov. 6, 1923.
Horwood, E. H., & Co., Hoboken, N. J., and New York, N. Y. Underwaist union suits. 179,202; Feb. 5; Serial No. 171,996; published Nov. 13, 1923.
Horwood, E. H., & Co., Hoboken, N. J., and New York, N. Y. Children's slips. 179,203; Feb. 5; Serial No. 171,994; published Nov. 13, 1923.
House, Howard G., doing business as Sta-Put Mfg. Company, and formerly doing business as Sta-Put Patch Co., Toledo, Ohio. Tire-repair compounds, adhesives, reenforcements, etc. 179,307; Feb. 5; Serial No. 186,232; published Nov. 20, 1923.
Hower, Harry C., Chicago, Ill. Pneumatic tires and tubes. 179,039; Feb. 5; Serial No. 169,854; published Nov. 13, 1923.
Hubble, James G., assignor to Pinene Chemical Company, Incorporated, New Orleans, La. Preparations of oil of pine. 179,152; Feb. 5; Serial No. 181,121; published Nov. 13, 1923.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish and dried fruit. 179,411–12; Feb. 5.
Hurley Shoe Co., Rockland, Mass. Shoes. 179,251; Feb. 5; Serial No. 181,487; published Nov. 13, 1923.
Hy-Pure Laboratories, Cincinnati, Ohio. Powdered alum, boric acid, powdered borax, camphorated oil, etc. 179,075; Feb. 5; Serial No. 183,115; published Nov. 13, 1923.
Hyde, Pierre C., doing business as The Hyde Drug Company, Massena, N. Y. Tonic and system renovator. 179,224; Feb. 5; Serial No. 181,893; published Nov. 6, 1923.
Independent Salt Company. (See Bursch, Frederick J. W., assignor.)
Indian Head Shoe Co., Marlboro, Mass. Misses' and children's leather shoes and leather soles for shoes. 179,206; Feb. 5; Serial No. 164,502; published Nov. 13, 1923.
Indianapolis Saddlery Company, Indianapolis, Ind. Horse collars. 179,265; Feb. 5; Serial No. 182,541; published Nov. 20, 1923.
International Company, The, Baltimore, Md. Prepared, powdered, and skimmed milk for bakers' and confectioners' use. 178,989; Feb. 5; Serial No. 159,318; published Nov. 13, 1923.
International Company, The, Baltimore, Md. Food-flavoring extracts, mincemeat, cocoa, etc. 179,032; Feb. 5; Serial No. 175,016; published Nov. 13, 1923.
International Mfg. Co., Phillips, Me. Wooden toothpicks. 179,060; Feb. 5; Serial No. 185,708; published Nov. 6, 1923.
Iowa City Canning Co., Iowa City, Iowa. Canned corn. 179,103; Feb. 5; Serial No. 183,710; published Nov. 13, 1923.
Ivins, J. S., Son, Inc., Philadelphia, Pa. Cookies, cakes, and crackers. 179,287; Feb. 5; Serial No. 181,750; published Nov. 13, 1923.
Jacobs Bros. Co., Inc., The, Brooklyn, N. Y. Weighing scales. 179,315; Feb. 5; Serial No. 185,297; published Nov. 20, 1923.
Jadwin, Orlando H., assignor to O. H. Jadwin Sons, Inc., New York, N. Y. Insecticides. 24,475; renewed Apr. 3, 1924.
Japanese Perfume Co., New York, N. Y. Perfume. 179,080; Feb. 5; Serial No. 182,660; published Nov. 13, 1923.
Jay-Kay Chemical Company. (See Kardas, John T.)
Jefferson, Ida B., Longview, Tex. Liniment for rheumatism or sore joints, corns, etc. 179,167; Feb. 5; Serial No. 165,083; published Nov. 13, 1923.
Jefferson Manufacturing Company, Jefferson City, Mo. Overalls, jackets, work shirts, flannel shirts, etc. 178,987; Feb. 5; Serial No. 149,753; published Nov. 6, 1923.
Jenny Lee Frocks, Inc., Minneapolis, Minn. Dresses, gowns, suits, wraps, and coats. 179,384; Feb. 5.

Kahley Company, The, New York, N. Y. Preparations for the treatment of corns, etc. 179,335; Feb. 5; Serial No. 176,797; published Nov. 20, 1923.
Kannally-Wick Corporation, Highland, Ill. Leather shoes. 179,327; Feb. 5; Serial No. 178,391; published Nov. 13, 1923.
Kardas, John T., doing business as Jay-Kay Chemical Company, Baltimore, Md. Skin cream, headache powder, and liniment. 179,223; Feb. 5; Serial No. 181,897; published Nov. 6, 1923.
Kauffman-Lattimer Co., The. (See Melrose, Percy C., assignor.)
Kelley Island Lime and Transport Company, Cleveland, Ohio. Hydrated lime for agricultural purposes. 179,277; Feb. 5; Serial No. 181,128; published Nov. 20, 1923.
Kellum Company, The, Kansas City, Mo. Coffee. 179,098; Feb. 5; Serial No. 184,135; published Nov. 13, 1923.
Kentucky Fuel Company, The, Cincinnati, Ohio. Coal. 179,406; Feb. 5.
Kentucky Independent Oil Company, The, Covington, Ky. Motor oil and gasoline. 179,364; Feb. 5; Serial No. 184,286; published Nov. 20, 1923.
Keystone Fruit Products Company, Cincinnati, Ohio. Preserved fruit. 179,025; Feb. 5; Serial No. 177,608; published Nov. 6, 1923.
Kimball, C. M., Company, Winthrop, Mass. Stove polish. 179,089; Feb. 5; Serial No. 181,192; published Nov. 13, 1923.
Kimball, C. M., Company, Winthrop, Mass. Silver polish. 179,153; Feb. 5; Serial No. 181,191; published Nov. 13, 1923.
Kimball, C. M., Company, Winthrop, Mass. Metal, silver, and stove polishes. 179,239; Feb. 5; Serial No. 153,003; published Nov. 13, 1923.
King Milling Co., Lowell, Mich. Wheat flour. 179,381; Feb. 5; Serial No. 182,422; published Nov. 13, 1923.
Kirby, Jesse C., Dallas, Tex. Sandwiches. 179,407; Feb. 5.
Kleinfelder, H. G., & Son, Philadelphia, Pa. Cotton twine and rope, jute, hemp, etc. 179,420; Feb. 5.
Kops Bros., New York, N. Y. Corsets, brassières, and underwear. 179,128; Feb. 5; Serial No. 184,470; published Nov. 6, 1923.
Kops Bros., New York, N. Y. Corsets, brassières, and underwear. 179,201; Feb. 5; Serial No. 174,247; published Nov. 13, 1923.
Kottler, Aaron P., doing business as Dr. Kottler Laboratories, Chicago, Ill. Chemical preparation to remove skin blemishes. 179,018; Feb. 5; Serial No. 178,928; published July 24, 1923.
Kwush-Ru Company, The, Los Angeles, Calif. Perfume and incense. 179,041; Feb. 5; Serial No. 169,486; published Nov. 13, 1923.
La Croix, John D., Vincennes, Ind. Powder and preparation for the hands. 179,125; Feb. 5; Serial No. 184,408; published Nov. 13, 1923.
La Crosse Rubber Mills Co., La Crosse, Wis. Rubber heels for shoes, rubber soled and heeled shoes, and leather shoes. 179,331; Feb. 5; Serial No. 177,850; published Nov. 13, 1923.
Langdon, Maurice J., Boston, Mass. Toilet preparations. 179,087; Feb. 5; Serial No. 182,474; published Nov. 13, 1923.
Lawrence Chemical Company, Atlanta, Ga. 179,195; Feb. 5; Serial No. 183,889; published Nov. 13, 1923.
Lawson Manufacturing Company, Chicago, Ill. Garment-hanging fixtures for closets, etc. 179,023; Feb. 5; Serial No. 180,186; published Nov. 20, 1923.
Lay & Way Co., The, New York, N. Y. Girdles, corsets, and hip confiners. 179,337; Feb. 5; Serial No. 175,502; published Nov. 20, 1923.
Leach, C. H., Company, Boston, Mass. Oil condensers, heat exchangers, and dephlegmators. 179,403; Feb. 5.
Levenson, Sam, Newark, N. J. Wheat flour. 178,996; Feb. 5; Serial No. 163,404; published Nov. 6, 1923.
Levy, Maurice, New York, N. Y. Powder puffs. 179,360; Feb. 5; Serial No. 184,171; published Nov. 20, 1923.
Levy, Oscar, & Company, Chicago, Ill. Work trousers, overalls, boys' blouses, and work suits. 179,393; Feb. 5.
Libby, Wm. A., Milwaukee, assignor to Libby Chemical Company, West Allis, Wis. Medicated tablets and capsules. 179,157; Feb. 5; Serial No. 173,839; published Nov. 13, 1923.
Lillie Mill Company, Franklin, Tenn. Wheat flour. 179,375; Feb. 5; Serial No. 182,759; published Nov. 13, 1923.
Lilly, Eli, and Company, Indianapolis, Ind. Toilet powder. 179,143; Feb. 5; Serial No. 183,579; published Nov. 13, 1923.
Linitane Company, The, Syracuse, N. Y. Externally-applied preparation for rheumatism, sprains, etc. 179,141; Feb. 5; Serial No. 183,751; published Nov. 13, 1923.
Little Falls Manufacturing Company, New York, N. Y. Knitted underwear for children. 179,094; Feb. 5; Serial No. 184,288; published Nov. 6, 1923.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Biscuits. 179,012; Feb. 5; Serial No. 181,200; published Nov. 6, 1923.
Lucas, Robert M., Chicago, Ill. Paints or cements. 179,164–5; Feb. 5; Serial Nos. 168,113–14; published Nov. 13, 1923.
Lucile Somarco Brassiere Co., New York, N. Y. Brassières. 179,336; Feb. 5; Serial No. 176,560; published Nov. 20, 1923.
Lunn & Sweet Incorporated, Auburn, Me. Shoes. 179,261–3; Feb. 5; Serial Nos. 182,594–6; published Nov. 13, 1923.
Lyons Bros. Co., The, doing business as The Cheery Tip Co., Dallas, Tex. Nonintoxicating, nonalcoholic, maltless fruit beverage. 179,035; Feb. 5; Serial No. 172,751; published Nov. 27, 1923.
Maison Mendessolle, San Francisco, Calif. Perfume, talcum, sachet, and face powders. 179,353; Feb. 5; Serial No. 183,841; published Nov. 20, 1923.
Mann, Medford B., doing business as Seal-Tite Piston Ring Co., Baltimore, Md. Piston rings for liquid-fuel engines. 179,419; Feb. 5.
Marion Tool Works, Inc., Marion, Ind. Steel tools. 179,319; Feb. 5; Serial No. 184,946; published Nov. 20, 1923.
Markwell Manufacturing Co., Inc., New York, N. Y. Hatchets, hammers, crate openers, etc. 179,314; Feb. 5; Serial No. 185,372; published Nov. 20, 1923.
McCaw, Stevenson & Orr, Ltd., Belfast, Ireland. Adhesive cements for uniting various materials and articles. 178,985; Feb. 5; Serial No. 141,922; published Nov. 13, 1923.
McCreery, James, & Company, New York, N. Y. Leather gloves. 179,177; Feb. 5; Serial No. 167,847; published Nov. 20, 1923.
McLaughlin, John J.; J. J. McLaughlin Limited, Toronto, Canada, successor. Carbonated beverages. 24,311; renewed Mar. 6, 1924.
Melnick, Isadore A., Los Angeles, Calif. Remedy for stomach disorders and constipation. 179,191; Feb. 5; Serial No. 183,488; published Nov. 13, 1923.
Melrose, Percy C., assignor to The Kauffman-Lattimer Co., Columbus, Ohio. Cefery tea for medicinal purposes. 22,607; renewed Mar. 7, 1923.
Mende, Paul, Inc., New York, N. Y. Wood preservative. 179,229; Feb. 5; Serial No. 185,700; published Nov. 27, 1923.
Merriss, E. W., Home Remedy Company, Detroit, Mich. Blood purifier, liniment, skin lotion, etc. 179,400; Feb. 5.
Metropolitan Manufacturing Co., Chicago, Ill. Steam-pressure cookers. 179,175; Feb. 5; Serial No. 168,541; published Nov. 20, 1923.
Miller, Alton L., doing business as Charles N. Miller Co., Boston, Mass. Candies. 178,993; Feb. 5; Serial No. 162,561; published Nov. 13, 1923.
Miller, Charles N. Co. (See Miller, Alton L.)
Miller, I., & Sons, Inc., Brooklyn, N. Y. Shoes, slippers, and boots. 179,272; Feb. 5; Serial No. 182,001; published Nov. 13, 1923.
Miller, Pauline, doing business as Pauline Miller Co., San Francisco, Calif. Ladies' hats. 179,296; Feb. 5; Serial No. 180,442; published Nov. 13, 1923.
Milwaukee Rolling Mill Company, Greenfield, Wis. Sheet steel. 179,065; Feb. 5; Serial No. 185,874; published Nov. 13, 1923.
Minty. (See Palmers, Limited.)
Model Brassiere Co. Inc., New York, N. Y. Brassières and garter brassières. 179,285; Feb. 5; Serial No. 181,695; published Nov. 13, 1923.
Montgomery Ward & Co., Chicago, Ill. Magazine. 179,200; Feb. 5; Serial No. 183,078; published Nov. 13, 1923.
More-Jones Brass & Metal Co., St. Louis, Mo. Bronze bearings. 179,354; Feb. 5; Serial No. 183,847; published Nov. 20, 1923.
Moses, Sydney, New York, N. Y. Dresses. 179,046–7; Feb. 5; Serial Nos. 185,226–7; published Nov. 6, 1923.
Motor Schopp, The. (See Schopp, Charles J.)
Mount Carmel Co., The. (See Carmel, Albert.)
Mudge & Company, Chicago, Ill. Railway gasoline-motor cars. 179,385; Feb. 5.
Munzer, Ida, Inc., New York, N. Y., assignor to L. Bamberger & Co., Newark, N. J. Brassières. 179,333; Feb. 5; Serial No. 177,100; published Nov. 20, 1923.
Mupu Citrus Association, Santa Paula, Calif. Fresh citrous fruit. 179,218; Feb. 5; Serial No. 182,170; published Nov. 13, 1923.
Muralo Company, Inc., The, New Brighton, N. Y. Calcimines. 179,107; Feb. 5; Serial No. 183,397; published Nov. 13, 1923.
Murata, Mabel L., New York, N. Y. Pharmaceutical preparations, face creams, powders, rouges, etc. 178,992; Feb. 5; Serial No. 160,715; published Nov. 6, 1923.
Nathan, Joseph, & Co. Limited, London, England. Infants' and invalids' food. 179,033; Feb. 5; Serial No. 174,587; published Nov. 13, 1923.
National Tube Company, Pittsburgh, Pa. Metal pipe couplings, metal pipes, tubes, and casings. 179,126; Feb. 5; Serial No. 184,415; published Nov. 13, 1923.
Nemo Hat Company, New York, N. Y. Ladies', misses', and children's hats and caps. 179,240; Feb. 5; Serial No. 181,536; published Nov. 13, 1923.
New Castle Leather Co. Inc., New York, N. Y. Leather. 179,255; Feb. 5; Serial No. 184,037; published Nov. 13, 1923.
New York Net & Twine Co., Moodus, Conn. Ropes, cords, and twine. 179,042; Feb. 5; Serial No. 168,120; published Nov. 6, 1923.

Nicholson's Raincoat Co., Limited, St. Albans, England. Overcoats and suits. 179,341; Feb. 5; Serial No. 172,006; published Nov. 13, 1923.
Nix Produce Company, Hastings, Fla. Potatoes. 179,100; Feb. 5; Serial No. 183,884; published Nov. 13, 1923.
Noll, Albert, doing business as The Noll Company, Cambridge, Mass. Shampoo. 179,142; Feb. 5; Serial No. 183,757; published Nov. 13, 1923.
Normany Products Co. (See Cromwell, Robert H.)
North Pacific Mortgage Company, Seattle, Wash. Fresh apples. 179,052; Feb. 5; Serial No. 185,668; published Nov. 13, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 179,130; Feb. 5; Serial No. 184,359; published Nov. 13, 1923.
Northern Paper Mills, Green Bay, Wis. Folded towels. 179,366; Feb. 5; Serial No. 184,351; published Nov. 20, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 179,367; Feb. 5; Serial No. 184,356; published Nov. 20, 1923.
Northwestern Bakers & Confectioners Co., Minneapolis, Minn. Acetic acid, fruit butters, butter flavoring, cake mix, etc. 179,183; Feb. 5; Serial No. 161,938; published Nov. 13, 1923.
O'Bannon Corporation, Boston, Mass. Double-texture vehicle top material with a rubberized coating. 179,398–9; Feb. 5.
O'Brien, E. J., doing business as Cresta Blanca Punch Co., also as E. J. O'Brien Company, San Francisco, Calif. Beverage sold as a soft drink. 179,217; Feb. 5; Serial No. 182,219; published Nov. 6, 1923.
Osborne Fruit & Vegetable Company, Fullerton, Calif. Fresh vegetables. 179,053; Feb. 5; Serial No. 185,669; published Nov. 13, 1923.
P. G. Atlantic Toy Mfg. Co., New York, N. Y. Toy animals. 179,017; Feb. 5; Serial No. 180,808; published Nov. 13, 1923.
Pacific Bone Coal & Fertilizing Company, The, San Francisco, Calif. Fertilizers. 179,392; Feb. 5.
Paddon, Roland I., Chicago, Ill. Shampoo. 179,074; Feb. 5; Serial No. 183,120; published Nov. 13, 1923.
Palmer, Richard, New York, N. Y. Hot-water bottles. 178,994; Feb. 5; Serial No. 162,570; published Nov. 6, 1923.
Palmers, Limited, doing business as Minty, Montreal, Quebec, Canada. Soaps and shaving creams. 179,093; Feb. 5; Serial No. 184,291; published Nov. 13, 1923.
Pan-American Furniture Factory, Inc., New Orleans, La. Upholstered household furniture. 179,158; Feb. 5; Serial No. 174,149; published May 22, 1923.
Panther Rubber Manufacturing Company, Stoughton, Mass. Rubber heels. 179,338; Feb. 5; Serial No. 178,780; published Nov. 20, 1923.
Paramount Knitting Company, assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 179,340; Feb. 5; Serial No. 172,292; published Nov. 20, 1923.
Peak, William C., Chicago, Ill. Series of books in a course of dancing instructions. 179,204; Feb. 5; Serial No. 170,210; published Nov. 13, 1923.
Pease & Dwyer Co., Memphis, Tenn. Cattle and poultry feed. 179,185; Feb. 5; Serial No. 156,058; published Nov. 13, 1923.
Pease, P. L., & Company, Inc., Lancaster, N. Y. Blotter pads, inkwells, envelope racks, etc. 179,013; Feb. 5; Serial No. 180,941; published Nov. 6, 1923.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's and boys' overalls. 179,106; Feb. 5; Serial No. 183,405; published Nov. 6, 1923.
Perman's Gowns, Inc., New York, N. Y. Ladie's wraps and gowns. 179,048; Feb. 5; Serial No. 185,376; published Nov. 6, 1923.
Pfaffmann Egg Noodle Company, The, Cleveland, Ohio. Noodles, vermicelli, and similar paste products. 178,991; Feb. 5; Serial No. 160,633; published Nov. 13, 1923.
Physicians Electronic Supply Co., Los Angeles, Calif. Electrical appliances and attachments thereto. 179,120; Feb. 5; Serial No. 184,622; published Nov. 13, 1923.
Pickett, John C., doing business as John C. Pickett & Co., Somerville, Mass. Facial clay, cleansing and tissue crème. 179,078; Feb. 5; Serial No. 183,083; published Nov. 13, 1923.
Pinene Chemical Company. (See Hubble, James G., assignor.)
Pittsburgh Provision and Packing Company. (See Winter, Emil, Company, assignor.)
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Toilet soaps. 179,231; Feb. 5; Serial No. 184,421; published Nov. 13, 1923.
Pokodot Cereal Company, Fargo, N. Dak. Cereal breakfast food. 179,281; Feb. 5; Serial No. 181,309; published Nov. 13, 1923.
Poly-naise Company, Watertown, N. Y. Combination of catchup, tomatoes, and mayonnaise. 179,329; Feb. 5; Serial No. 178,061; published Nov. 13, 1923.
Porter-Seitz Shoe Stores Company, Wilmington, Del., and Pittsburgh, Pa. Leather shoes. 179,325; Feb. 5; Serial No. 180,671; published Nov. 20, 1923.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 179,290–1; Feb. 5; Serial Nos. 182,177–8; published Nov. 13, 1923.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 179,378–9; Feb. 5; Serial Nos. 182,607–8; published Nov. 13, 1923.
Price Brothers, Frederick, Md. Water-circulation pumps for automobile engines. 179,370; Feb. 5; Serial No. 184,755; published Nov. 20, 1923.
Protex Chemical Co., Everett, Pa. Fire-extinguishing chemical compound. 179,233; Feb. 5; Serial No. 183,888; published Nov. 13, 1923.
Prym, William, Company, Limited, The, Stolberg, Germany. Bone stilettos, hooks and eyes, corset eyes, etc. 179,176; Feb. 5; Serial No. 168,431; published Nov. 13, 1923.
Prym, William, Company, Limited, The, Stolberg, Germany. Bone stilettos, hooks and eyes, snap fasteners, etc. 179,189; Feb. 5; Serial No. 148,614; published Nov. 13, 1923.
Quaker Oats Company, The, Chicago, Ill. Corn meal, prepared dietetic flour, pearl barley, hominy grits, etc. 179,284; Feb. 5; Serial No. 181,646; published Nov. 13, 1923.
Quality Knit, Inc., Stowe, Pa. Underwear. 179,395; Feb. 5.
Rabinow, Murray, New York, N. Y. Men's dress shirts. 179,129; Feb. 5; Serial No. 184,516; published Nov. 6, 1923.
Radium Emanation Corporation, The, New York, N. Y. Radium. 179,355; Feb. 5; Serial No. 183,890; published Nov. 20, 1923.
Radwaner, I. L., Seed Company. (See Radway, Frederick S.)
Radway, Frederick S., doing business as I. L. Radwaner Seed Company, New York, N. Y. Clover and field seeds. 179,269; Feb. 5; Serial No. 182,261; published Nov. 13, 1923.
Railton, B. A., Company, Chicago, Ill. Canned goods, cereals, sirups, tea, etc. 179,188; Feb. 5; Serial No. 150,706; published Nov. 14, 1922.
Reid, Murdoch, & Co., Chicago, Ill. Canned fruits, preserved fruits, and canned vegetables, etc. 179,178; Feb. 5; Serial No. 165,818; published Nov. 13, 1923.
Resetar Bros., Watsonville, Calif. Fresh apples. 179,054; Feb. 5; Serial No. 185,675; published Nov. 13, 1923.
Reynolds Machine Company, The, Massillon, Ohio. Fabric-tire molds, cord-tire molds, solid cores, etc. 179,363; Feb. 5; Serial No. 184,264; published Nov. 20, 1923.
Richard Hudnut, New York, N. Y. Perfumes, toilet water, vanishing cream, face powder, etc. 179,258; Feb. 5; Serial No. 183,744; published Nov. 13, 1923.
Roberts, Tom H., Reigate, England. Chemical substances used in the manufactures, anticorrosives, and drug for vulcanization of rubber. 179,135; Feb. 5; Serial No. 183,760; published Nov. 13, 1923.
Robinson Milling Company, The, Salina, Kans. Wheat flour. 179,030; Feb. 5; Serial No. 175,946; published Nov. 6, 1923.
Rodriguez, Salvador, New York, N. Y. Cigars. 179,216; Feb. 5; Serial No. 182,263; published Nov. 6, 1923.
Roman Inc., Boston, Mass. Shampoo oil. 179,061; Feb. 5; Serial No. 182,674; published Nov. 13, 1923.
Rowsey, J. Louis, Olive Hill, Ky. Preparation for the treatment of tuberculosis, asthma, and hay fever. 179,166; Feb. 5; Serial No. 165,036; published Nov. 13, 1923.
Roxana Petroleum Corporation, St. Louis, Mo. Lubricating oil. 179,311; Feb. 5; Serial No. 185,991; published Nov. 20, 1923.
Royal Card & Paper Company, New York, N. Y. Envelopes. 179,369; Feb. 5; Serial No. 184,564; published Nov. 20, 1923.
Rubber & Celluloid Products Company, Newark, N. J. Toothbrushes. 179,404; Feb. 5.
Rub-No-More Company, The, Fort Wayne, Ind. Cleanser. 179,211; Feb. 5; Serial No. 182,772; published Nov. 13, 1923.
Russell Manufacturing Co., The, Middletown, Conn. Brake lining. 179,237; Feb. 5; Serial No. 157,007; published Nov. 13, 1923.
Ryback, James V., doing business as J. V. Ryback's Laboratory, Philadelphia, Pa. Foot powders. 179,068; Feb. 5; Serial No. 181,781; published Nov. 6, 1923.
Sachaklian, Stephen H., Hartford, Conn. Insecticides. 179,371; Feb. 5; Serial No. 183,165; published Nov. 20, 1923.
St. Anthony Flour Mills. (See Colorado Milling & Elevator Co.)
St. Louis Leather Products Co. (See California Tanning Company.)
St. Regis Paper Company, Watertown, N. Y. Fiber boxes. 179,368; Feb. 5; Serial No. 184,478; published Nov. 20, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, capes, etc. 179,122–3; Feb. 5; Serial Nos. 184,518–19; published Nov. 6, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, capes, etc. 179,124; Feb. 5; Serial No. 184,524; published Nov. 6, 1923.
Salz Brothers Inc., New York, N. Y. Fountain pens. 179,208; Feb. 5; Serial No. 162,073; published July 17, 1923.

Sampico Indian Medicine Co., Beloit, Wis. Medicines for disorders of the stomach, etc. 179,275; Feb. 5; Serial No. 181,022; published Nov. 20, 1923.

San Juan Islands Cannery, Spokane, Wash. Canned peas. 179,222; Feb. 5; Serial No. 181,911; published Nov. 13, 1923.

Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensburg, Ky. Pancake and Graham flour, cracked cereal food. 179,018; Feb. 5; Serial No. 180,621; published Nov. 6, 1923.

Schering & Glatz, Inc., New York, N. Y. Medicinal preparation used in the treatment of gout, rheumatism, etc. 179,374; Feb. 5; Serial No. 182,859; published Nov. 20, 1923.

Schnittker, Henry A., doing business as H. A. S. Coffee Company, St. Louis, Mo. Coffee. 179,006; Feb. 5; Serial No. 181,621; published Nov. 13, 1923.

Schnittker, Henry A., doing business as H. A. S. Coffee Company, St. Louis, Mo. Coffee. 179,007–8; Feb. 5; Serial Nos. 181,618–19; published Nov. 13, 1923.

Schopp, Charles E., doing business as The Motor Schopp, St. Louis, Mo. Chemical carbon destroyer. 179,339; Feb. 5; Serial No. 172,953; published Apr. 17, 1923.

Schroyer, Howard R., assignor to The Travel-Right Co., Chicago, Ill. Metal garment-holding frames. 179,214; Feb. 5; Serial No. 182,318; published Nov. 13, 1923.

Scot Knit Hosiery Co., Harrisburg, Pa. Hosiery. 179,040; Feb. 5; Serial No. 169,652; published Nov. 13, 1923.

Seawcroft, John, & Sons Company, Ogden, Utah. Salad dressing, salad, and olive oils, vinegar, etc. 179,271; Feb. 5; Serial No. 182,014; published Nov. 13, 1923.

Seal-Tite Piston Ring Co. (See Mann, Medford B.)

Seymour & Peck Company, Chicago, Ill. Shipping drums. 179,244–5; Feb. 5; Serial Nos. 181,701–2; published Nov. 20, 1923.

Shearer & McCarthy Corp., The, Camden, N. J. Artificial flowers. 179,361; Feb. 5; Serial No. 184,216; published Nov. 13, 1923.

Shearer & McCarthy Corp., The, Camden, N. J. Baskets. 179,362; Feb. 5; Serial No. 184,217; published Nov. 20, 1923.

Shears, Sumner S., Brooklyn, N. Y. Vehicle springs. 179,396; Feb. 5.

Sheldon, Albert E., Company, Boston, Mass. Dry colors, paste and ready-mixed paints, varnishes, etc. 179,298; Feb. 5; Serial No. 179,747; published Nov. 20, 1923.

Shrage, Max, doing business as Shrage and Pines, New York, N. Y. Blouses, undershirts, and pyjamas. 179,207; Feb. 5; Serial No. 162,353; published Nov. 13, 1923.

Sicre, Auguste, Paris, France. Purgative tea. 23,951; renewed Dec. 26, 1923.

Sidney, Charles W., doing business as Electronic Equipment Company, Jacksonville, Fla. Electronic medical apparatus. 179,114; Feb. 5; Serial No. 184,873; published Nov. 13, 1923.

Simmons, Felix, doing business as Styla Silk Hosiery Co., Worcester, Mass. Hosiery. 179,182; Feb. 5; Serial No. 162,647; published Nov. 20, 1923.

Simon, Franklin, & Co. Inc., New York, N. Y. Men's and boys' furnishings, undergarments, and clothing. 179,021; Feb. 5; Serial No. 179,689; published Nov. 6, 1923.

Simonds Saw and Steel Company, Fitchburg, Mass. Machine knives and shears. 179,372; Feb. 5; Serial No. 183,006; published Nov. 20, 1923.

Sklarew, Bernard, New York, N. Y. Brassières. 179,377; Feb. 5; Serial No. 182,680; published Nov. 13, 1923.

Smith, Mrs. Elmira, doing business as Mrs. S. G. Smith, Harrison, Ga. Medicinal preparation for the treatment of pains, aches, etc. 179,373; Feb. 5; Serial No. 182,881; published Nov. 20, 1923.

Smoot, William T., Baltimore, Md. Malt sirup. 179,247; Feb. 5; Serial No. 183,674; published Nov. 20, 1923.

Societe Anonyme "Crayons Conte," Regny and Paris, France. Crayons, crayon holders, pencils, penholders, etc. 179,111; Feb. 5; Serial No. 182,938; published Nov. 6, 1923.

Société Anonyme des Laboratoires Innoxa, Paris, France. Medicated soap. 179,011; Feb. 5; Serial No. 181,354; published Nov. 13, 1923.

Société Anonyme des Produits du Lion Noir, Montrouge, near Paris, France. Liquids, powders, and pastes for cleaning felt, fabrics, hats, etc. 178,984; Feb. 5; Serial No. 118,618; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,132; Feb. 5; Serial No. 183,775; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Lip sticks. 179,133; Feb. 5; Serial No. 183,772; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,134; Feb. 5; Serial No. 183,774; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,136; Feb. 5; Serial No. 183,765; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,137; Feb. 5; Serial No. 183,771; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,234–6; Feb. 5; Serial Nos. 183,768–9; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,256; Feb. 5; Serial No. 183,770; published Nov. 13, 1923.

Societe Guerlain, Paris, France. Perfumes. 179,257; Feb. 5; Serial No. 183,767; published Nov. 13, 1923.

Sodus Co-Operative Creamery Co., Wolcott, N. Y. Butter, cottage cheese, fresh milk, etc. 179,387; Feb. 5.

Solidified Naphtha Corporation, The, Chicago, Ill. Preparation for the same use to which soaps, cleaning fluids, washing powders, etc., are put. 179,215; Feb. 5; Serial No. 182,273; published Nov. 13, 1923.

Solvora, Inc., New York, N. Y. Liquid dentifrice and also liquid cream dentifrice. 179,101; Feb. 5; Serial No. 183,805; published Nov. 20, 1923.

Southern Yarn Exchange, Baltimore, Md. Art needlework. 179,278; Feb. 5; Serial No. 181,150; published Nov. 13, 1923.

Southern Yarn Exchange, Baltimore, Md. Art needlework. 179,279; Feb. 5; Serial No. 181,152; published Nov. 13, 1923.

Spalding, A. G., & Bros., New York, N. Y. Golf clubs. 179,118; Feb. 5; Serial No. 184,527; published Nov. 13, 1923.

Special Paper Mfg. Co., New York, N. Y. Prepared tracing paper. 179,227–8; Feb. 5; Serial Nos. 186,030–1; published Nov. 13, 1923.

Spinks, William A. & Company, Chicago, Ill. Billiard cushions. 179,113; Feb. 5; Serial No. 184,874; published Nov. 6, 1923.

Standard Engineering & Lubricating Co. (See Edwards, Perc.)

Standard Felt Company, West Alhambra, Calif. Rugs, carpets, floor and door mats, etc. 179,209; Feb. 5; Serial No. 159,627; published Nov. 13, 1923.

Standard Oil Company of New York, New York, N. Y. Lubricating oils. 179,029; Feb. 5; Serial No. 175,969; published Nov. 6, 1923.

Sta-Put Mfg. Company. (See House, Howard G.)

Starry, Young & Way, Exeter, Calif. Fresh grapes. 179,066; Feb. 5; Serial No. 185,725; published Nov. 13, 1923.

Sterling Oil Company of Pennsylvania, Emlenton, Pa. Illuminating and lubricating oils and greases, gasoline, etc. 179,212; Feb. 5; Serial No. 182,620; published Nov. 6, 1923.

Sternberger & Sheaman, New York, N. Y. Ladies' and misses' hats. 179,248; Feb. 5; Serial No. 181,574; published Nov. 13, 1923.

Stetson Shop, Incorporated, The, Pittsburgh, Pa. Leather boots, shoes, and rubbers. 179,382; Feb. 5.

Stone, Jack, doing business as Stone Shoe Sole Company, Denver, Colo. Composition shoe soles. 179,383; Feb. 5.

Stuarts & Jacks, Limited, Musselburgh, Scotland. Twines for fishing nets. 179,024; Feb. 5; Serial No. 178,301; published Nov. 13, 1923.

Styla Silk Hosiery Co. (See Simmons, Felix.)

Sullivan Machinery Company, Boston, Mass., and Chicago, Ill. Percussive tools. 179,394; Feb. 5.

Sullivan, Marguerite, assignor to E. J. Reefer and M. Sullivan, trading as Domino House, Philadelphia, Pa. Preparation for removing freckles. 179,072; Feb. 5; Serial No. 183,175; published Nov. 13, 1923.

Sullivan, Marguerite, assignor to E. J. Reefer and M. Sullivan, trading as Domino House, Philadelphia, Pa. Preparation for removing wrinkles. 179,146; Feb. 5; Serial No. 183,176; published Nov. 13, 1923.

Sullivan, Marguerite, assignor to E. J. Reefer and M. Sullivan, doing business as Domino House, Philadelphia, Pa. Hand lotion. 179,194; Feb. 5; Serial No. 183,418; published Nov. 13, 1923.

Sun Maid Raisin Growers, Fresno, Calif. Raisins. 179,037; Feb. 5; Serial No. 171,108; published Nov. 13, 1923.

Sweetwater Cotton Oil Co., Sweetwater, Tex. Feed for livestock. 179,243; Feb. 5; Serial No. 181,502; published Nov. 6, 1923.

Sweney Gasoline & Oil Co., Peoria, Ill. Lubricating oils and gasoline. 179,097; Feb. 5; Serial No. 184,221; published Nov. 6, 1923.

Tallman, Robbins & Company, Chicago, Ill. Loose-leaf binders. 179,320; Feb. 5; Serial No. 184,772; published Nov. 20, 1923.

Taubert, Henry J., Brighton, Mass. Liquid fertilizers. 179,102; Feb. 5; Serial No. 183,807; published Nov. 6, 1923.

Taylor Instrument Companies, Rochester, N. Y. Thermometers. 179,310; Feb. 5; Serial No. 185,994; published Nov. 20, 1923.

Teague, Judge P., Sevierville, Tenn. Rheumatism specific. 179,221; Feb. 5; Serial No. 181,965; published Nov. 6, 1923.

Tell City Creamery Company, Tell City, Ind. Butter. 179,343; Feb. 5; Serial No. 180,950; published Nov. 13, 1923.

Temple, W. M., Mason City, Iowa. Paper for correspondence and printing. 179,342; Feb. 5; Serial No. 171,392; published Nov. 20, 1923.

Tennessee Biscuit Co., Nashville, Tenn. Candy. 179,009; Feb. 5; Serial No. 183,951; published Nov. 13, 1923.

Teuscher & Son Machinery Supply Co., St. Louis, Mo. Automobile fan belts. 178,996; Feb. 5; Serial No. 163,583; published Nov. 13, 1923.

Thompson-Barlow Company, Inc., The, New York, N. Y. Medicinal preparation for the treatment of obesity. 179,349; Feb. 5; Serial No. 183,458; published Nov. 20, 1923.

Thorburn, Henry C., doing business as Drug Products, Inc., Atlanta, Ga. Pharmaceutical preparation. 179,044; Feb. 5; Serial No. 185,193; published Nov. 13, 1923.

Tierney, Laurence E., Fuel Company, Bluefield, W. Va. Coal. 179,232; Feb. 5; Serial No. 184,194; published Nov. 13, 1923.

Tipton Fruit Growers Assn., Tipton, Calif. Fresh grapes. 179,063; Feb. 5; Serial No. 185,731; published Nov. 13, 1923.

Tissuepkt Underwear Company, Indianapolis, Ind. Underwear. 179,015; Feb. 5; Serial No. 180,565; published Nov. 6, 1923.

Toch Brothers, assignor to Toch Brothers, Incorporated, New York, N. Y. Ready-mixed paints and paint enamels. 179,170–1; Feb. 5; Serial Nos. 161,590–1; published Nov. 13, 1923.

Toch Brothers, Incorporated. (See Toch Brothers, assignor.)

Trancilla Company. (See Bendick, Sidney S.)

Travel-Right Co. (See Schroyer, Howard R., assignor.)

Tri-State Vegi Feed Co., Cincinnati, Ohio. Dairy and horse feed. 179,380; Feb. 5; Serial No. 182,451; published Nov. 13, 1923.

Tropical Date Company, The, Thermal, Calif. Dates. 179,055; Feb. 5; Serial No. 185,681; published Nov. 13, 1923.

Tryalax Manufacturing Co., Philadelphia, Pa. Medicinal preparation for the stomach and nerves. 179,071; Feb. 5; Serial No. 181,790; published Nov. 6, 1923.

Tyler Chemical Co., Inc., Pawtucket, R. I. Gelatine preparation for making desserts. 179,264; Feb. 5; Serial No. 182,553; published Nov. 13, 1923.

U. S. Pure Drug Laboratories, Cincinnati, Ohio. Powdered alum, boric acid, powdered borax, camphorated oil, etc. 179,078; Feb. 5; Serial No. 183,130; published Nov. 13, 1923.

Ulmann, Bernhard, Co., Inc., New York, N. Y. Crocheted and knitted slippers and shoes, dresses, suits, etc. 179,117; Feb. 5; Serial No. 184,699; published Nov. 13, 1923.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils and gasoline. 179,036; Feb. 5; Serial No. 172,300; published Nov. 6, 1923.

United Kingdom Tea Company Limited, London, England; New York, N. Y.; and Paris, France. Tea, coffee, and other named beverages. 24,269; renewed Feb. 20, 1924.

United Trimming Co., New York, N. Y. Fringes, braids, tassels, cords. 179,173; Feb. 5; Serial No. 169,460; published Sept. 25, 1923.

Universal Remedies Company, San Francisco, Calif. Stomach tonic. 179,193; Feb. 5; Serial No. 183,426; published Nov. 13, 1923.

Valentin Blatz Brewing Company, Milwaukee, Wis. Non-alcoholic, maltless, carbonated grape-flavored beverages. 179,286; Feb. 5; Serial No. 181,724; published Aug. 28, 1923.

Valley Dairy Products Company, Appleton, Wis. Butter. 179,324; Feb. 5; Serial No. 180,674; published Nov. 13, 1923.

Vegetable Exchange of California, Inc., San Francisco, Calif. Fresh asparagus. 179,049; Feb. 5; Serial No. 185,637; published Nov. 13, 1923.

Warner Brothers Company, The, Bridgeport, Conn. Brassières, bandeaux, bandeau-girdle combinations, etc. 179,292; Feb. 5; Serial No. 182,276; published Nov. 20, 1923.

Warner, Phil, & Son, also doing business as Phil Warner, Los Angeles, Calif. Fresh fruits and vegetables. 179,104; Feb. 5; Serial No. 183,510; published Nov. 13, 1923.

Waters, Henry H. (See Adams, Albert J., assignor.)

Waverly Oil Works Company, Pittsburgh, Pa. Lubricating oils. 179,312; Feb. 5; Serial No. 185,802; published Nov. 20, 1923.

Well, Joseph, & Sons, Chicago, Ill. Wrapping paper. 179,318; Feb. 5; Serial No. 185,066; published Nov. 20, 1923.

Weller & Pendleton, Baltimore, Md. Hosiery. 179,034; Feb. 5; Serial No. 174,049; published Nov. 6, 1923.

Welsh, William A., Riverton, N. J., and Philadelphia, Pa. Paper and stationery. 179,002; Feb. 5; Serial No. 166,488; published Nov. 6, 1923.

Wescoe Laboratories, Atlantic City, N. J. Remedies for cough-producing affections and colds. 179,085; Feb. 5; Serial No. 182,633; published Nov. 13, 1923.

Western Wholesale Drug Co., also doing business as R. H. Brown & Co., Los Angeles, Calif. Ointment or salve for sunburn, scalds, cuts, etc. 179,082; Feb. 5; Serial No. 182,635; published Nov. 13, 1923.

Weyer, George H., St. Joseph, Mo. Perfumes, toilet waters, face creams, etc. 179,147; Feb. 5; Serial No. 183,181; published Nov. 13, 1923.

White Products Company, Chicago, Ill. Radiator caps. 179,241; Feb. 5; Serial No. 146,186; published Nov. 13, 1923.

Whiting, Harris E., doing business as Whiting Leather & Belting Company, Long Island City, N. Y. Leather belting. 179,154; Feb. 5; Serial No. 179,978; published Oct. 30, 1923.

Wikoff, Fred D., Company, Red Bank, N. J. Poultry foods. 178,990; Feb. 5; Serial No. 159,675; published Nov. 6, 1923.

Wildfire Battery Co. (See Brownell, Leigh E.)

Wiley, Glen M., Dayton, Ohio. Excavating and hoisting machines. 179,289; Feb. 5; Serial No. 182,029; published Nov. 20, 1923.

Wilh, Bleyle G. m. b. H., Stuttgart, Germany. Suits, dresses, coats, and underwear. 179,019; Feb. 5; Serial No. 179,292; published Nov. 6, 1923.

Willis Norton & Co., North Topeka, Kans. Wheat flour. 179,330; Feb. 5; Serial No. 177,884; published Nov. 13, 1923.

Wilson Instrument & Specialty Company, Passaic, N. J. Welding preparation. 179,192; Feb. 5; Serial No. 183,429; published Nov. 13, 1923.

Windsor Polish Co., Windsor, Vt. Polishes for painted, varnished, etc., surfaces. 179,112; Feb. 5; Serial No. 184,883; published Nov. 13, 1923.

Winter, Emil Company, Allegheny and Pittsburgh, Pa., assignor to Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Beef, mutton, veal, pork, ham, etc. 24,753; renewed May 22, 1924.

Wix, Ernest T., doing business as Wixated Iron Co., Sioux City, Iowa. General tonics. 179,169; Feb. 5; Serial No. 166,729; published Nov. 13, 1923.

Wixated Iron Co. (See Wix, Ernest T.)

Wolford, John C., Newark, Ohio. Soap. 179,105; Feb. 5; Serial No. 183,461; published Nov. 13, 1923.

Woodruff, George W., doing business as Woodruff Manufacturing Co., Winder, Ga. Empty bags or nets for containing laundry. 179,020; Feb. 5; Serial No. 179,388; published Nov. 13, 1923.

Woolsey, C. A., Paint & Color Company, Jersey City, N. J. Enamel paint. 179,108; Feb. 5; Serial No. 183,326; published Nov. 6, 1923.

Worthen, C. B., Co., Cleveland, Ohio. Tables and other forms of supports for holding or supporting electric heating appliances. 179,000; Feb. 5; Serial No. 165,220; published Nov. 13, 1923.

Yost, Cora, doing business as Classy Fabrics Company, Philadelphia, Pa. Knit underwear. 179,005; Feb. 5; Serial No. 181,712; published Nov. 13, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Bridges, Albert F., & Co. Inc., Chicago, Ill. Alola. For Hawaiian Pineapple. 26,853; Feb. 5.

Chipman Knitting Mills, Easton, Pa. Form Fashioned. For Hosiery. 26,854; Feb. 5.

City Baking Company, The, Baltimore, Md. Mrs. Schmidt's Sweet Home Bread. For Bread. 26,855; Feb. 5.

Columbia Phonograph Company, New York, N. Y. Columbia. For Phonograph Records. 26,856–60; Feb. 5.

Columbia Phonograph Company, New York, N. Y. Specially Made for Personal Record. For Phonograph Records. 26,861; Feb. 5.

Eastlake Investment Company, Eastlake, Fla. Ideal. For Citrous Fruits. 26,862; Feb. 5.

First National Laboratories, Inc., Lehighton, Pa. Dr. White's Toothache Drops. For Medicine to Give Relief from Toothache. 26,863; Feb. 5.

First National Laboratories, Inc., Lehighton, Pa. Dr. White's Wonderful Liquid Corn Remedy. For Medicine for the Removal of Corns, Warts, and Callf. 26,864; Feb. 5.

Garcia, Manuel C., Chicago, Ill. Campo Garcia. For Clear Havana Cigars. 26,874; Feb. 5.

Graham Ice Cream Company, doing business as Graham Candy Co., Omaha, Nebr. The Chocolate Barbecue. For Chocolate Candies and Bonbons. 26,865; Feb. 5.

Graham Ice Cream Company, doing business as Graham Candy Co., Omaha, Nebr. Mi Messenger. For Chocolate Candies. 26,866; Feb. 5.

Graham Ice Cream Company, doing business as Graham Candy Co., Omaha, Nebr. Chu Chin Chow. For Chocolate Candies. 26,867; Feb. 5.

Graham Ice Cream Company, doing business as Graham Candy Co., Omaha, Nebr. Chocolates of Class. For Chocolate Candies. 26,868; Feb. 5.

Gropper Knitting Mills, Inc., New York, N. Y. Gropper Knit. For Neckties. 26,869; Feb. 5.

Howe, Albert R., Niagara Falls, N. Y. Corn Fritter Sandwiches. For Sandwiches. 26,870; Feb. 5.

Iten Biscuit Co., Omaha, Nebr. Fairy Soda. For Crackers. 26,871; Feb. 5.

Jantsen Knitting Mills, Portland, Oreg. Jantsen. For Swimming Suit. 26,872; Feb. 5.

Keller, John M., Logansport, Ind. Duke. For Cigars 26,873; Feb. 5.

Menasha Printing and Carton Company, Menasha, Wis. Famous Brick Ice Cream. For Cartons and Pails Containing Ice Cream. 26,875; Feb. 5.

North Pacific Co-Operative Berry Growers, Seattle, Wash. Totem. For Fresh Loganberries. 26,876; Feb. 5.

North Pacific Co-Operative Berry Growers, Seattle, Wash. Totem. For Canned Strawberries. 26,877; Feb. 5.
Ray-Maling Co. Inc., Portland, Oreg. Malboro. For Canned Pears. 26,878; Feb. 5.
Ray-Maling Co. Inc., Portland, Oreg. Malwood. For Canned Pears. 26,879; Feb. 5.
Ray-Maling Co. Inc., Portland, Oreg. Malcross. For Canned Pears. 26,880; Feb. 5.
Ray-Maling Co. Inc., Portland, Oreg. Malglow. For Canned Pears. 26,881; Feb. 5.
Ray-Maling Co. Inc., Portland, Oreg. Malshire. For Canned Apples. 26,882; Feb. 5.
Schutter-Johnson Candy Co., Chicago, Ill. French Pastry. For Candy. 26,883; Feb. 5.
Schutter-Johnson Candy Co., Chicago, Ill. Old Nick for a Nickel. For Candy. 26,884; Feb. 5.
Smith & Gray, Guinda, Calif. Gravy Crystals. For Gravy Crystals. 26,885; Feb. 5.
Smith, Sidney, Chicago, Ill. The Gump Family. For Candy. 26,886; Feb. 5.
Standard, Inc., The, Chicago, Ill. Black and White. For Canned Corn. 26,887; Feb. 5.
Tamiami Doll Company, Miami, Fla. Seminole Dolls. For Dolls and Containers for Dolls. 26,888; Feb. 5.
United Soap Association, Minneapolis, Minn. U S A Soap. For Soap. 26,889; Feb. 5.
Vocalstyle Music Co., The, Cincinnati, Ohio. Reproduco. For Player Rolls. 26,890; Feb. 5.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Estey Organ Company, The, Brattleboro, Vt. The Estey Residence Organ brings into the home an infinite variety of music. For Estey Pipe Organs. 7,150; Feb. 5.
Heller, B., & Company, Chicago, Ill. 1000^{00} Guaranteed Moth-Killer. For Insecticide Used in Killing Moths. 7,151; Feb. 5.
Heller, B., & Company, Chicago, Ill. 1000^{00} Guaranteed Bed-Bug Killer. For Insecticide for Killing Bedbugs and Carpet Beetles. 7,152; Feb. 5.
Heller, B., & Company, Chicago, Ill. 1000^{00} Guaranteed Roach Killer. For Insecticide for Killing Roaches and Waterbugs. 7,153; Feb. 5.
Lambert, Claude L., Fairbury, Nebr. Lambert's Service. For Cleaned and Dyed Garments and Cloth. 7,154; Feb. 5.
Pacific Chemical Company, Los Angeles, Calif. There's a Plumber In Every Can. For Drain Opener. 7,155; Feb. 5.
Palmolive Company, The, Milwaukee, Wis. Would you be his choice for the dance? For Palmolive Soap. 7,156; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. That's the Tab. For Pouring-Pull Milk-Bottle Caps. 7,157–8; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Say to your dealer 'Pack them in Sealright Containers'. For Paper Boxes. 7,159; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. That's the Tab. For Pouring-Pull Milk-Bottle Caps. 7,160; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. 7,161; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Cleaner to Carry Fresher at Home. For Paper Boxes. 7,162; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. 7,163; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Buy Oysters this Better Way. For Paper Boxes. 7,164; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Pack your Dairy Products in Sealright Liquid-Tight Paper Containers. For Paper Boxes. 7,165; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Sealright Liquid Tight Paper Containers. For Paper Boxes. 7,166; Feb. 5.
Sealright Co., Inc., Fulton, N. Y. Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. 7,167; Feb. 5.
Tobacco By-Products & Chemical Corporation, Louisville, Ky. Roll Your Own Nicotine Dust with Black Leaf 40 and Cut Costs In Half. For "Black Leaf 40" (Sulphate of Nicotine). 7,168; Feb. 5.
Ward Baking Company, New York, N. Y. Ward's Paradise Fruit Cake. For Cake. 7,169; Feb. 5.
Ward Baking Company, New York, N. Y. Warranty. For Bread. 7,170; Feb. 5.
Ward, James E., Springfield, Ohio. Pine Hemlock and Hardwood Lumber Lath Shingles and Cedar Products. For Lumber. 7,171; Feb. 5.
Ward, James E., Springfield, Ohio. Builders' Supplies. For Builders' Supplies. 7,172; Feb. 5.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham, Nathan, doing business as Dental Chemical Co., New York, N. Y. Medicinal powder for use in dentistry. 187,906; Feb. 5.
Abraham, Nathan, doing business as Dental Chemical Co., New York, N. Y. Chemical liquid solution for use in dentistry. 187,907; Feb. 5.
Abraham, Nathan, doing business as Dental Chemical Co., New York, N. Y. Medicinal granular powder used in dentistry. 187,908; Feb. 5.
Aktieselskabet de Danske Spritfabrikker, doing business as Dansk Gaer-Central, Copenhagen, Denmark. Lees and fresh yeast used for food purposes. 162,977; Feb. 5.
Albers Company, Incorporated, Richmond, Va. Flavoring. 184,316; Feb. 5.
Alberto Vales Company, New Orleans, La. Lard. 183,047; Feb. 5.
Algoma Net Company, Inc., Algoma, Wis. Fly nets and saddle girths. 185,783; Feb. 5.
Alligator Liniment Company, The, Charleston, S. C. Medicines for treatment of the liver, kidneys, stomach, etc. 188,026; Feb. 5.
Allison, Estelle V., New York, N. Y. Dolls. 187,184; Feb. 5.
American Association of Museums, The, Washington, D. C. Bimonthly periodical. 189,023; Feb. 5.
American Hard Rubber Company, Hempstead and New York, N. Y. Panels and dials for radio apparatus. 189,602; Feb. 5.
American Mills Company, Atlanta, Ga. Paper bags. 189,290; Feb. 5.
American Mills Company, Atlanta, Ga. Paper bags. 189,292; Feb. 5.
American Packing Company, Everett, Wash. Canned salmon. 189,294; Feb. 5.
American Paper & W. W. Co., The, Cincinnati, Ohio. Brooms. 186,453; Feb. 5.
American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Recording gauges and thermometers, and recording and indicating tachometers. 188,784; Feb. 5.
Archibald, E. A., Jr., doing business as Coastwise Mercantile Co., San Francisco, Calif. Canned fruits and vegetables and dried fruits. 189,701; Feb. 5.
Armstrong Tire Company, The. (See Steinberg, Morris.)
Atlantic Seaboard Flour Mills. (See Dietrich, D. Wellington.)
Augusta Knitting Corporation, Utica, N. Y. One-piece knitted underwear and bathing suits. 174,282; Feb. 5.
Bamberger, L., & Co. Publishing Co., Newark, N. J. Monthly periodical. 188,945; Feb. 5.
Barber Milling Company, Minneapolis, Minn. Wheat flour. 189,029; Feb. 5.
Barrett Company, The, New York, N. Y. Composition roofing sheets. 173,272; Feb. 5.
Barrett Company, The, New York, N. Y. Composition roofing and shingles. 173,274; Feb. 5.
Barrett Company, The, New York, N. Y. Composition roofing sheets. 173,344; Feb. 5.
Battery Man Publishing Co. Inc., The, Terre Haute, Ind. Monthly magazine. 188,881; Feb. 5.
Bauman, Hyman, & Co., New York, N. Y. Cotton piece goods. 186,013; Feb. 5.
Beals & Selkirk Trunk Company, The, Wyandotte, Mich. Trunks, traveling bags, and suitcases. 189,442; Feb. 5.
Beich, Paul F., Company, Bloomington, Ill. Candy. 189,550; Feb. 5.
Bender Company, The, Milwaukee, Wis. Men's and boys' negligee shirts. 188,176; Feb. 5.
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, and shirts. 189,094–5; Feb. 5.
Best & Co. Inc., New York, N. Y. Misses' and girls' furnishings, undergarments, and clothing. 176,442; Feb. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Billings Clapp & Co., Inc., Boston, Mass. Medicinal preparations for the treatment of sick headache, bad breath, etc. 188,883; Feb. 5.
Billings Clapp & Co., Inc., Boston, Mass. General tonic. 188,884; Feb. 5.
Biola Green Fruit Exchange, Biola, Calif. Fresh deciduous fruits and grapes. 180,517; Feb. 5.
Birdseye Seafoods, Inc., New York, N. Y. Fresh fish, crabs, crab meat, etc. 181,975; Feb. 5.
Boutay Co. (See Schafran, Irving L.)
Breen, John M., doing business as Jonizone Products Co., New York, N. Y. Mouth washes. 189,609; Feb. 5.
Briggs, Frederick, Washington, D. C. Fruits and meats. 154,720; Feb. 5.
Brown, Charles H., New York, N. Y. Leather, canvas, and fabric shoes. 147,227; Feb. 5.
Brown Shoe Company, Inc., doing business as The Central Shoe Company, St. Louis, Mo. Shoes made of leather, etc. 187,086; Feb. 5.
Brush-Nu Co. (See Serby, Myron W.)
California Arch File Corporation, Pasadena, Calif. Desk calendar holders, card files, loose-leaf binders, etc. 189,238; Feb. 5.
Campbell, Herbert M., Chicago, Ill. Leather machinery belts. 165,358; Feb. 5.
Capital Paper Company, Indianapolis, Ind. Toilet paper. 189,447; Feb. 5.
Carbo Company, The. (See Crabtree, Lee.)
Carpenter, Edwin P., London, England. Partly-prepared solid substance manufactured from casein. 173,071; Feb. 5.
Casebourne & Fanthorpe, Grimsby, England. Flux for brazing and welding iron. 185,175; Feb. 5.
Celite Co., The, Los Angeles, Calif. Finely-divided solid material having selective adsorptive properties to be used in aiding filtration and in deemulsification of liquids. 181,633; Feb. 5.
Central Drug Store, Ltd., Shenandoah, Pa. Salves and liniment. 185,916; Feb. 5.
Central Shoe Company, The. (See Brown Shoe Company.)
Christensen, Valdemar, doing business as Ohio Food & Dairy Laboratory, Cincinnati, Ohio. Milk and milk cultures. 184,485; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,197; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,796; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,798; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,800–1; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,915–7; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,989; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,992; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,994–5; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 187,997; Feb. 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 188,531–3; Feb. 5.
Coastwise Mercantile Co. (See Archibald, E. A., jr.)
Cohen, Charles J., Company, Philadelphia, Pa. Envelopes. 189,100; Feb. 5.
Consolidated Paper Box Manufacturing Co., Richmond, Va. Paper bags, boxes, and trays for food products. 189,390; Feb. 5.
Consolidated Paper Box Manufacturing Co., Richmond, Va. Printing and writing papers, wrapping paper, and pencils. 189,391; Feb. 5.
Constant Heat Pack Corporation, Albany, N. Y. Heating appliance. 168,574; Feb. 5.
Coret, José, Tuluca, Mexico. Preparation for piles and hemorrhoids. 186,415; Feb. 5.
Corn Products Refining Company, New York, N. Y. Corn flour. 182,568; Feb. 5.
Cotton Belt Candy Company, Charlotte, N. C. Candy. 189,661; Feb. 5.
Crabtree, Lee, doing business as The Carbo Company, Peoria, Ill. Medical composition for treatment of leucorrhea. 185,861; Feb. 5.
Crawford, R. W., doing business as Fort Dodge Chemical Co., Fort Dodge, Iowa. Chemical preparation used for the destruction of rodents. 171,064; Feb. 5.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, cheese-factory and ice-cream-factory appliances. 189,764–6; Feb. 5.
Crump & Field, Ashland, Ky. Roasted coffee. 187,803; Feb. 5.
Cummings, Thos. L., doing business as Fu-Drops, Houston, Tex. Medicine for kidneys, bladders, etc. 184,393; Feb. 5.
Dalco Lubricants, Incorporated, Washington, D. C. Lubricants. 187,728; Feb. 5.
Dansk Gaer-Central. (See Aktieselskabet de Danske Spritfabrikker.)
Davenport-Brooks Corporation, Fernandina, Fla. Canned shrimp. 189,452; Feb. 5.
David & Blum, Inc., New York, N. Y. Wearing apparel. 188,951; Feb. 5.
De Anaya, Joaquin R., jr., New York, N. Y. Liquid preparation for scalp treatment. 176,711; Feb. 5.
De Luca Bros. Hat Co., Inc., Philadelphia, Pa. Hats for men and boys. 184,603; Feb. 5.
Dental Chemical Co. (See Abraham, Nathan.)
Dewey, Henry A., Company, Inc., New York, N. Y. Wood stains, fillers, dry colors, etc. 187,804; Feb. 5.
Dietrich, D. Wellington, doing business as Atlantic Seaboard Flour Mills. Wheat flour. 182,297; Feb. 5.
Dora-Del Garment Company, Waxahachie, Tex. Women's underwear. 185,076; Feb. 5.
Dr. A. Wander, S. A., Berne, Switzerland. Crystalline malt extracts. 186,356; Feb. 5.
Duncan, Vail Company, Los Angeles, Calif. Oil and water colors, enamels, bronzes, etc. 187,611; Feb. 5.
Dunning, G. A., and Son, Stroudsburg, Pa. Toilet cream. 189,554; Feb. 5.
Dura-Tex Company, Inc., Brockton, Mass. Moccasins. 185,006; Feb. 5.
Eagle Roller Mill Co., New Ulm, Minn. Poultry feed. 188,111; Feb. 5.
Earl, Charles M., doing business as C. M. Earl Manufacturing Chemist, Detroit, Mich. Perfumes and toilet waters. 189,665; Feb. 5.
Earle-Grigg, Inc., Rochester, N. Y. Chewing gum. 187,455; Feb. 5.
Eason, Ra Melle, doing business as Sta-Strate Company, Hernando, Miss. Preparation for straightening and improving the hair. 189,555; Feb. 5.
Egan & Hausman Company, Inc., Long Island City, N. Y. Enamel paints. 189,393; Feb. 5.
Eggeling, Anna S., doing business as O. Eggeling, New York, N. Y. Remedy for bird ailments. 188,185–6; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Strawberry drink. 187,731; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Lime drink. 187,732; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Sarsaparilla drink. 187,733; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Orange drink. 187,734; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Grape drink. 187,806; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Cherry drink. 187,807; Feb. 5.
Electrified Water & Machine Company, Dallas, Tex. Crème drink. 187,808; Feb. 5.
Electrified Water and Machine Company, Dallas, Tex. Lemon drink. 187,810; Feb. 5.
Ellison, William T., Savannah, Ga. General tonic. 189,188; Feb. 5.
Elmer Candy Co., Inc., New Orleans, La. Confections. 178,558; Feb. 5.
Energine Refining and Manufacturing Company, The, Cleveland, Ohio. Liquid hydrocarbons employed for medicinal purposes and the industrial arts. 174,076; Feb. 5.
Epstein, H. & L., Inc., St. Louis, Mo. Topcoats and raincoats. 188,672; Feb. 5.
Euclid Candy Co., The, Cleveland, Ohio. Candy. 181,179; Feb. 5.
Faller's, Isaac, Sons Company, The, Cincinnati, Ohio. Boys' clothing. 189,394; Feb. 5.
Federal Rubber Company of Illinois, The, Chicago, Ill., and Cudahy, Wis. Belting, tires, and casings. 157,662; Feb. 5.
Federal Underwear Co., New York, N. Y. Baby-carriage covers and pillowcases. 171,836; Feb. 5.
Feldstein Bros. & Co., New York, N. Y. Men's and boys' caps. 177,175; Feb. 5.
Fisher Bros. Paper Co., Fort Wayne, Ind. Toilet paper. 189,556; Feb. 5.
Fisher Bros. Paper Co., Fort Wayne, Ind. Toilet and wrapping paper. 189,558; Feb. 5.
Fishing Gazette Publishing Co., New York, N. Y. Yearly publication. 179,998; Feb. 5.
Flaherty Baking Co., Covington, Ky. Bread. 186,122; Feb. 5.
Fletcher-Wilson Coffee Company, Nashville, Tenn. Candied pop corn and peanuts. 187,922; Feb. 5.
Florida-Cuba Preserving Co. (See Franquiz, Jose.)
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,924; Feb. 5.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 187,933; Feb. 5.
Fort Dodge Chemical Co. (See Crawford, R. W.)
Fowler, Hallie E., Texarkana, Tex. Preparation for eczema. 188,541; Feb. 5.
Franquiz, Jose, doing business as Jose Franquiz & Co., and also as Florida-Cuba Preserving Co., Tampa, Fla. Guava paste and jelly and tomato purée. 183,520; Feb. 5.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, etc. 188,009–10; Feb. 5.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, four-in-hand ties, and bow ties. 188,675; Feb. 5.

PUBLISHED FOR OPPOSITION.

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Friel & Friel, Minneapolis, Minn. Edible ice-cream container. 187,620; Feb. 5.
Fu-Drops. (See Cummings, Thos. L.)
Fujimoto Co., San Francisco, Calif. Miso, koji, shoyu, and rice vinegar. 180,927; Feb. 5.
Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Perfume, toilet water, and face powder. 188,545; Feb. 5.
Gastineau, Fernand, Paris, France. Hosiery. 188,998; Feb. 5.
Germ-O-Health Cereal Company, Polson, Mont. Breakfast cereal. 186,900; Feb. 5.
Gibbs, Antony, & Co., Inc., New York, N. Y. Interlinings to be made up into coat fronts. 187,811; Feb. 5.
Gibson, William B., Raymond, Wash. Paint remover. 189,454; Feb. 5.
Glens Falls Shirt Company, South Glens Falls, N. Y. Men's outer shirts. 170,481; Feb. 5.
Glenwood Manufacturing Co., Raleigh, N. C. Work shirts. 185,753; Feb. 5.
Glick, Max, Company, The, Cleveland, Ohio. Candy. 186,954; Feb. 5.
Good, James, Inc., Wilmington, Del., and Philadelphia, Pa. Miscible oil used as an insecticide and fungicide. 189,501; Feb. 5.
Greaney, Thomas E., doing business as Standard Neckwear Company, Boston, Mass. Neckties. 188,364; Feb. 5.
Grilli, Angelo, Milwaukee, Wis. Metallic tire protectors. 161,487; Feb. 5.
Grossman's, J., Sons, New Orleans, La. Flavoring for soft drinks. 189,248; Feb. 5.
H-O-W Knitting Company, The, New Britain, Conn. Bathing suits, brushed vests, scarfs, etc. 188,903; Feb. 5.
Haas & Johnston, New York, N. Y. Hosiery. 188,840; Feb. 5.
Haft, Morris W., & Bros., Inc., New York, N. Y. Ladies' cloaks, coats, suits, dresses, and skirts. 189,125; Feb. 5.
Hampshire Paper Company, South Hadley Falls, Mass. Printing and writing paper. 168,304; Feb. 5.
Hargreaves & Co., Ltd., Leeds, England. Cloths, stuffs of wool, worsted, or hair. 186,594; Feb. 5.
Harris, John J., doing business as John J. Harris & Co., Chicago, Ill. Pastes and glues. 178,607; Feb. 5.
Harrison, W. J., Company, Ltd., assignor to W. J. Harrison Rice Co., New Orleans, La. Cereal breakfast food. 184,940; Feb. 5.
Health-O Company, Dover, Del., and Johnstown, Pa. Coffee substitute. 166,302; Feb. 5.
Hearn, James A., & Son, Inc., New York, N. Y. Infants' and children's ready-to-wear outer clothing—viz, rompers. 188,841; Feb. 5.
Heller, B., & Company, Chicago, Ill. Chemical preparation for purifying and treating lard and tallow. 171,364; Feb. 5.
Helms, Earl T., Kansas City, Mo. Dye. 189,458; Feb. 5.
Henard Mayonnaise Company, Nashville, Tenn. Salad dressing and vegetable relish. 187,215; Feb. 5.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, motor oil, distillate, kerosene, etc. 189,780; Feb. 5.
Hermetite Chemical Corporation, New York, N. Y. Moisture and air proof chemical compound. 185,703; Feb. 5.
Herrmann, A. S., New York, N. Y. Luncheon sets. 187,990; Feb. 5.
Hess Bros., New York, N. Y. Fish and fish products. 176,183; Feb. 5.
Heynemann, Eloesser, Co., San Francisco, Calif. Trousers. 186,467; Feb. 5.
Hill, H. G., Company, Nashville, Tenn. Tea and coffee. 185,285; Feb. 5.
Hoffmann-La Roche Chemical Works, The, New York, N. Y. Preparation of bismuth used in the treatment of syphilis. 189,618–9; Feb. 5.
Hok Soeij, Tan, Batavia, Java, and San Francisco, Calif. Rheumatism preventive. 179,628; Feb. 5.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 186,375; Feb. 5.
Holophane Glass Company, New York, N. Y. Glass globes and reflectors for artificial light. 188,681; Feb. 5.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 185,464; Feb. 5.
Hough, Harold V., Fort Worth, Tex. Cartoons. 186,186; Feb. 5.
Houghton, E. F., & Co., Philadelphia, Pa. Compounds for use in the drawing and tempering of steel. 189,672; Feb. 5.
Houghton, E. F., & Co., Philadelphia, Pa. Compounds for use in the reheating of steel. 189,673; Feb. 5.
Household Efficiency Bureau, River Forest, Ill. Child's retaining frame. 183,114; Feb. 5.
Houser, Otto E., California, Mo. Rodent poison. 189,720; Feb. 5.
Hudnut, Richard, New York, N. Y. Tooth paste. 184,030; Feb. 5.
Huff, William H., Chicago, Ill. Colored window transparencies. 186,640; Feb. 5.
Hunto, Basarat, Philadelphia, Pa. Preparation for dandruff and moistening the hair. 190,018; Feb. 5.
Ideal Baby Shoe Co., Chicago, Ill. Children's shoes, boots, slippers, and sandals. 185,221; Feb. 5.
Indian Mountain Spring Water Co. (See Shor, Joseph.)
Inman, Lewis A., doing business as Inman & Harris Co., St. Cloud, Minn. Liniment. 189,674; Feb. 5.
Inter-City Mills. (See Rodney Milling Company.)
International Shoe Company, St. Louis, Mo. Children's leather shoes. 183,296; Feb. 5.
International Shoe Co., The, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y. Men's, women's, and children's shoes. 186,428; Feb. 5.
Iten Biscuit Co., Omaha, Nebr. Crackers. 186,130; Feb. 5.
Ivins', J. S., Son, Inc., Philadelphia, Pa. Cookies. 186,133; Feb. 5.
Jennings Manufacturing Co., doing business as Jennings, Perfumer, Grand Rapids, Mich. Perfumes, toilet waters, sachets, face powders, etc. 189,675; Feb. 5.
Johnson, B. L., & Co., Inc., doing business as Johnson's, Knoxville, Tenn. Candy. 178,255; Feb. 5.
Johnson, S. C., & Son, Racine, Wis. Liquid compound for removing carbon deposits from engines. 186,793; Feb. 5.
Jonizone Products Co. (See Breen, John M.)
Kaplan, Benjamin, doing business as Tremont Plumbers' Supplies, New York, N. Y. Bathtubs, water-closets, sinks, etc. 160,403; Feb. 5.
Keystone Company of San Jose, The, also doing business as Keystone Company, San Jose, Calif. Canned shrimp, canned fruits and vegetables, coffee, tea, etc. 184,077; Feb. 5.
Klebanoff, David, Philadelphia, Pa. Cough sirup. 189,620; Feb. 5.
Kohnstamm, H., & Co., Inc., New York, N. Y. Laundry and textile sour. 186,015; Feb. 5.
Kops Bros. Inc., New York, N. Y. Elastic webbing. 187,746; Feb. 5.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Prepared liquid paint. 188,097; Feb. 5.
Les Parfums De Mury, Paris, France. Perfumery products. 186,237–9; Feb. 5.
Lewis, A. H., Medicine Company, The, St. Louis, Mo. Liver regulator and blood purifier. 163,887; Feb. 5.
Lindsay Farm Bureau Fruit Association, Lindsay, Calif. Fresh citrous and deciduous fruits. 189,570; Feb. 5.
Lindskog, Fredrick, New York, N. Y. Railway-time-table guides. 189,983; Feb. 5.
Liteweit Process Co., Columbus, Ohio. Ladies' and men's shoes. 186,596; Feb. 5.
Little, A. E., Company, Lynn, Mass. Boots, shoes, and slippers. 186,432; Feb. 5.
Loose-Wiles Biscuit Company, doing business as Loose-Wiles Company, Kansas City, Mo. Candy. 189,253; Feb. 5.
Lord & Taylor, New York, N. Y. Men's coats, overcoats, and showerproof coats. 189,254–5; Feb. 5.
Lowengart & Company, Portland, Oreg. Ladies' hats. 184,207; Feb. 5.
Lyons, E. L., & Company. (See Simpkins, George E.)
McGoogan, Joseph, doing business as Mo-Tex Company, Cleveland, Ohio. Compound used as a douche, etc. 187,949; Feb. 5.
Magner Brothers, San Francisco, Calif. Ready-mixed paints and varnishes. 187,428; Feb. 5.
Magner Brothers, San Francisco, Calif. Paste and ready-mixed paints and varnishes. 187,430; Feb. 5.
Magner Brothers, San Francisco, Calif. Paint for cement and concrete surfaces. 187,431; Feb. 5.
Magner Brothers, San Francisco, Calif. Flat paints in paste form. 187,432; Feb. 5.
Magner Brothers, San Francisco, Calif. Paint enamels. 187,433; Feb. 5.
Magner Brothers, San Francisco, Calif. Paste and ready-mixed flat paints. 187,434; Feb. 5.
Mah-Jongg Sales Company of America, San Francisco, Calif. Textile table covers. 179,617; Feb. 5.
Mathrat, Paul H., Paris, France. Tobacco pipes. 188,766; Feb. 5.
Mattlage, Charles F., & Sons, Inc., New York, N. Y. French salad dressing. 181,031; Feb. 5.
Mechanicsville Paper Box Company. (See Slingerland, George O.)
Mellier Company, Perfumer, St. Louis, Mo., and New York, N. Y. Cream or dressing for the hair. 188,127; Feb. 5.
Midwest Creamery Co., Plymouth, Wis. Creamery butter. 187,684; Feb. 5.
Miller, Geo. C., & Co., Inc., Boston, Mass. Candy. 189,259; Feb. 5.
Minyunet Corporation, New York, N. Y. Cosmetic preparations. 174,095; Feb. 5.
Morgan Products Company, The, Toledo, Ohio. Water-softening compounds. 188,493; Feb. 5.
Morley, I. & R., London, England. Underwear. 172,803; Feb. 5.
Morrell, John, & Co., Ottumwa, Iowa. Bacon, ham, and lard. 171,588; Feb. 5.
Morse, A. G., Co., Inc., also doing business as Morse's, Chicago, Ill. Candy. 188,602; Feb. 5.
Morse & Rogers. (See The International Shoe Co.)

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Mo-Tex Company. (See McGoogan, Joseph.)
Muraour, Henri, & Cie., Grasse, France. Perfumery products. 188,965; Feb. 5.
Murray, John F., New York, N. Y. Pharmaceutical preparations for the liver. 186,799; Feb. 5.
Nashville Roller Mills, Nashville, Tenn. Self-rising flour. 187,756; Feb. 5.
National Croif Company, Chicago, Ill. Lawn game much like golf. 187,066; Feb. 5.
National Marking Machine Company, The, Cincinnati, Ohio. Bluing. 186,961–2; Feb. 5.
New York Waist House, Inc., New York, N. Y. Women's hosiery. 188,375; Feb. 5.
Nielsen Packing Co., San Francisco, Calif. Canned fruits and vegetables. 181,850–1; Feb. 5.
North Ontario Packing Company, Los Angeles, Calif. Orange marmalade, jams, and jellies. 179,481; Feb. 5.
Northwest Fruit Products Co., Salem, Oreg. Canned fruits. 184,677; Feb. 5.
Norton, Augustus, Ballston Spa, N. Y. Preparation for treatment of corns. 189,578; Feb. 5.
O-San Company, St. Louis, Mo. Household remedies. 184,177; Feb. 5.
O-San Company, St. Louis, Mo. Toilet preparations. 184,178; Feb. 5.
Oberholtzer Packing Company, Yalaha, Fla. Oranges. 184,256; Feb. 5.
Oberman, D. M., Mfg. Co., Jefferson City, Mo., and New York, N. Y. Men's and boys' pants and sport or work shirts. 187,121; Feb. 5.
Ohio Food & Dairy Laboratory. (See Christensen, Valdemar.)
Ohio Varnish Company, The, Cleveland, Ohio. Varnishes, paint enamels, etc. 188,427; Feb. 5.
Oswald Jaeger Baking Co., Milwaukee, Wis. Breads, cakes, doughnuts, and buns. 188,224; Feb. 5.
Ox Fibre Brush Company, New York, N. Y., and Frederick, Md. Brushes and brooms. 184,289; Feb. 5.
Ox Fibre Brush Company, New York, N. Y., and Frederick, Md. Brushes. 184,290; Feb. 5.
Pabst Corporation, Milwaukee, Wis. Near beer, malt cereal beverages, and malt extracts. 185,262; Feb. 5.
Peninsular Chemical Co., Orlando, Fla. Insecticides and fungicides. 189,688; Feb. 5.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Pillowcases and sheets. 186,444; Feb. 5.
Phillips-Jones Corporation, New York, N. Y. Shirts, pyjamas, underwear, etc. 188,324; Feb. 5.
Phillips-Jones Corporation, New York, N. Y. Shirts, pyjamas, and boys' blouses. 188,861; Feb. 5.
Phillips-Jones Corporation, New York, N. Y. Shirts, nightshirts, pyjamas, and boys' blouses. 189,168; Feb. 5.
Pierce, F. O., Company, New York, N. Y. Varnishes, furniture and automobile polishes, etc. 188,215; Feb. 5.
Pierre Lemoine et Cie., Inc., New York, N. Y. Perfumery raw materials. 189,476–9; Feb. 5.
Piuma, Joseph A., doing business as Stopkomin Laboratories, Los Angeles, Calif. Medicinal preparation. 187,780; Feb. 5.
Powell, John, & Co. Inc., New York, N. Y. Insect powder. 185,764; Feb. 5.
Pudlin & Goldstein, New York, N. Y. Facsimile oil paintings. 189,070; Feb. 5.
Research Club, Inc., Chicago, Ill. Aluminum bronze, retouching enamel, etc. 188,432–3; Feb. 5.
Research Club, Inc., Chicago, Ill. Coil files, tire pumps, hack-saw blades, and screw drivers. 188,929; Feb. 5.
Research Club, Inc., Chicago, Ill. Coil files, tire pumps, hack-saw blades, and screw drivers. 188,931; Feb. 5.
Rice-Klein Co., Los Angeles, Calif. Blouses and shirts. 187,641; Feb. 5.
Roberts, Mrs. Charles B., Detroit, Mich. Medicines for asthma. 188,328; Feb. 5.
Robinson Manufacturing Company, Westfield, Mass. Receptacles. 189,427; Feb. 5.
Rodney Milling Company, doing business as Inter-City Mills, Kansas City, Mo. Wheat flour. 187,386; Feb. 5.
Ronald Press Company, The, New York, N. Y. Monthly magazine. 189,691; Feb. 5.
Rosenberg, Jos., & Co., New York, N. Y. Dresses. 187,130–1; Feb. 5.
Rosenfield, Jonas A., Dallas, Tex. Dramatic editorials, editorials in dramatic form, etc. 189,477; Feb. 5.
Rossi, Guido, Demonte, Italy. Medicine used in the treatment of tuberculosis, etc. 188,773; Feb. 5.
Rubin, A. R., New York, N. Y. Ladies' coats, suits, etc. 187,879; Feb. 5.
Sal-Tox Laboratories. (See Van Loon, John S.)
Samuels, Fred H., & Co., New York, N. Y. Sweaters, knitted suits, etc. 186,966; Feb. 5.
Sanger Fruit Growers Association, Sanger City, Calif. Fresh grapes. 189,586; Feb. 5.
Schafran, Irving L., doing business as Boutay Co., New York, N. Y. Perfumes. 168,433; Feb. 5.
Schutter-Johnson Candy Company, Chicago, Ill. Candy. 187,961; Feb. 5.
Seattle Flour Mills, Seattle, Wash. Wheat flour. 170,999; Feb. 5.
Serby, Myron W., doing business as Brush-Nu Co., Washington, D. C. Chemical preparation for cleaning paintbrushes. 184,781; Feb. 5.
Shoe and Leather Reporter Co., Boston, Mass. Trade publication section published monthly. 186,250; Feb. 5.
Shor, Joseph, doing business as Indian Mountain Spring Water Co., Parksville and New York, N. Y. Spring water. 189,206; Feb. 5.
Simpkins, George E., doing business as E. L. Lyons & Company, New York, N. Y. Preparation used for rheumatism. 185,992; Feb. 5.
Sindix, Limited, London, England. Wire brushes for the hair and scalp. 188,715; Feb. 5.
Slingerland, George O., doing business as Mechanicsville Paper Box Company, Mechanicsville, N. Y. Paper boxes. 189,481; Feb. 5.
Sonneborn Brothers, New York, N. Y. Overcoats, coats, vests, and trousers. 188,978; Feb. 5.
Sophia Hair Stores Company, New York, N. Y. Powder puffs. 189,145; Feb. 5.
Southern Wooden Ware Co., Nashville, Tenn. Paper tablets. 168,859; Feb. 5.
Sperry Flour Company, San Francisco, Calif. Wheat flour. 188,503; Feb. 5.
Spray Engineering Company, Boston, Mass. Self-cleaning strainers for water or other liquid distribution. 188,447; Feb. 5. 1924.
Spray Engineering Company, Boston, Mass. Water-cooling systems. 189,280; Feb. 5.
Springfield-Kelly Brush Co. Inc., Springfield, Mass. Wire, bath, manicure, etc. brushes. 188,716; Feb. 5.
Standard Felt Company, West Alhambra, Calif. Shoes, boots, and slippers. 172,495; Feb. 5.
Standard Knitting Co., Inc., The, Cleveland, Ohio. Knitted outer garments. 178,295; Feb. 5.
Standard Neckwear Company. (See Greaney, Thomas E.)
Standard Oil Company of New York, New York, N. Y. Crayons. 188,387; Feb. 5.
Standard Remedy Company, The, Baltimore, Md. Tablets for rheumatism and disorders of the liver, etc. 182,227; Feb. 5.
Stanley & Stanley, Inc., New York, N. Y. Fine-leather cigar holders and cigarette cases. 182,523; Feb. 5.
Sta-Strate Company. (See Eason, Ra Melle.)
State Textile Corporation, New York, N. Y. Hosiery. 188,870; Feb. 5.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, and face powder. 189,429; Feb. 5.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, and face powder. 189,431–2; Feb. 5.
Steinberg, Morris, doing business as The Armstrong Tire Company, Chicago, Ill. Tires and tubes. 177,332; Feb. 5.
Stoneville Pedigreed Seed Company, Stoneville, Miss. Cottonseed, oat seed, seed corn, etc. 173,150; Feb. 5.
Stopkomin Laboratories. (See Piuma, Joseph A.)
Straitoe Company, Inc., The, New York, N. Y. Leather shoes. 185,631; Feb. 5.
Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 188,506; Feb. 5.
Szewczyk, Tadeusz, Passaic, N. J. Medicine to retard the effects of drunkenness, relieve indigestion, etc. 188,778; Feb. 5.
Tedcastle, A. W., & Co., Boston, Mass. Shoes. 184,530; Feb. 5.
Teller Optical Company, The, Providence, R. I. Spectacle and eyeglass frames, temples, and component parts. 189,146; Feb. 5.
Textile Mills Corporation, High Point, N. C. Hosiery. 189,434; Feb. 5.
Thornton, R. J., & Co., Louisville, Ky. Coffee. 189,741; Feb. 5.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Fuel oils. 188,941; Feb. 5.
Tremont Plumber's Supplies. (See Kaplan, Benjamin.)
Tucker Pharmacal Company, New York, N. Y. Sedatives. 188,507; Feb. 5.
Udell, Max, & Sons, New York, N. Y. Men's and young men's suits and overcoats. 188,141; Feb. 5.
Ungerer & Company, Inc., New York, N. Y. Oil of orange blossoms. 187,703; Feb. 5.
Union Oil Company of California, Los Angeles, Calif. Lubricating and fuel oils. 188,577–80; Feb. 5.
Union Paper and Twine Company, The, Detroit, Mich. Paper used for correspondence. 188,392; Feb. 5,
United Wholesale Grocery Co., Philadelphia, Pa. Candy, canned goods, olives, etc. 172,851; Feb. 5.
Vanity Fair Silk Mills, Reading, Pa. Bandeaux, bloomers, brasichemise, brassieres, etc. 176,584; Feb. 5.
Van Loon, John S., doing business as Sal-Tox Laboratories, Detroit, Mich. Preparation for the treatment of rheumatism, etc. 188,509; Feb. 5.
Vick, Selgie C., Detroit, Mich. Salve for the treatment of piles. 189,378; Feb. 5.
Victor Manufacturing & Gasket Co., Chicago, Ill. Mailing folders. 188,720; Feb. 5.
Volt, Richard, Philadelphia, Pa. Bedspreads, pillow shams, and throws. 188,077; Feb. 5.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Walker, Thomas, & Son Limited, Birmingham, England. Ship logs, nautical distance recorders, etc. 186,682; Feb. 5.
Warner Brothers Company, The, Bridgeport, Conn. Corset accessories. 187,397; Feb. 5.
Warren, W., Thread Wks., Westfield, Mass. Spool cotton. 189,743; Feb. 5.
Washington, Madam Sallie L., Pittsburgh, Pa. Hair shampoos and preparations, balms, oils, etc. 185,771; Feb. 5.
West Virginian, Incorporated, The, Fairmont, W. Va. Newspaper. 183,615; Feb. 5.
Wheeler, J. H., Plymouth, Wis. Cheese. 188,725; Feb. 5.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing tablets. 189,436; Feb. 5.
Wicander & Co. Inc., New York, N. Y. Refrigerators. 187,145; Feb. 5.
Wiener, William E., Inc., New York, N. Y. Velvet piece goods. 188,729; Feb. 5.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 188,175; Feb. 5.
Witte's, John C., Sons, New York, N. Y. Liquid compound for killing insects, ammonia disinfectants, and peroxide. 185,807; Feb. 5.
Woods, Joseph W., & Sons Co., Boston, Mass. Ticking. 168,994; Feb. 5.
Worden, R. F., & Sons, Inc., Waterbury, Conn. Butter and ice cream. 183,514; Feb. 5.
Zimmermann & Signal, Los Angeles, Calif. Hosiery. 185,353; Feb. 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Kentucky Fuel Company. 179,406; Feb. 5.
Coal. Laurence E. Tierney Fuel Company. 179,232; Feb. 5; Serial No. 184,194; published Nov. 13, 1923.
Coal, Bituminous. Brooks, Smith & Coane, Limited. 179,254; Feb. 5; Serial No. 185,329; published Nov. 13, 1923.
Leather. California Tanning Company. 179,259; Feb. 5; Serial No. 182,700; published Nov. 13, 1923.
Leather. New Castle Leather Co. 179,255; Feb. 5; Serial No. 184,037; published Nov. 13, 1923.
Leather strips, Lace-. California Tanning Company. 179,410; Feb. 5.
Livestock, including dogs. A. M. Baldwin. 179,303; Feb. 5; Serial No. 177,469; published Nov. 13, 1923.
Seeds, Clover and field. F. S. Radway. 179,269; Feb. 5; Serial No. 182,261; published Nov. 13, 1923.

CLASS 2.

Bags or nets, Empty. G. W. Woodruff. 179,020; Feb. 5; Serial No. 179,388; published Nov. 13, 1923.
Baskets. Shearer & McCarthy Corp. 179,362; Feb. 5; Serial No. 184,217; published Nov. 20, 1923.
Baskets, Waste. Barlow Brothers. 179,062; Feb. 5; Serial No. 185,738; published Nov. 13, 1923.
Boxes, Fiber. St. Regis Paper Company. 179,368; Feb. 5; Serial No. 184,478; published Nov. 20, 1923.
Drums, Shipping. Seymour & Peck Company. 179,244–5; Feb. 5; Serial Nos. 181,701–2; published Nov. 20, 1923.

CLASS 3.

Garment-holding frames, Metal. H. R. Schroyer. 179,214; Feb. 5; Serial No. 182,318; published Nov. 13, 1923.
Horse collars. Indianapolis Saddlery Company. 179,265; Feb. 5; Serial No. 182,541; published Nov. 20, 1923.

CLASS 4.

Abrasive papers or cloths. H. H. Barton and Son Co. 179,163; Feb. 5; Serial No. 168,707; published Nov. 13, 1923.
Cleaning and washing compound. Detroit Soda Products Co. 179,090; Feb. 5; Serial No. 181,737; published Nov. 13, 1923.
Cleaning felts, fabrics, hats, etc., Preparations for. Société Anonyme des Produits du Lion Noir. 178,984; Feb. 5; Serial No. 118,614; published Nov. 13, 1923.
Cleanser. Rub-No-More Company. 179,211; Feb. 5; Serial No. 182,772; published Nov. 13, 1923.
Oil-of-pine preparation. J. G. Hubbell. 179,152; Feb. 5; Serial No. 181,121; published Nov. 13, 1923.
Polish, Silver. C. M. Kimball Company. 179,153; Feb. 5; Serial No. 181,191; published Nov. 13, 1923.
Polish, Stove. C. M. Kimball Company. 179,089; Feb. 5; Serial No. 181,192; published Nov. 13, 1923.
Polishes, Metal, silver, and stove. C. M. Kimball Company. 179,259; Feb. 5; Serial No. 153,003; published Nov. 13, 1923.
Powder and preparation for the hands. J. D. La Croix. 179,125; Feb. 5; Serial No. 184,408; published Nov. 13, 1923.
Preparation for the same use to which soaps, cleaning fluids, washing powders, etc., are put. Solidified Naphtha Corporation. 179,215; Feb. 5; Serial No. 182,273; published Nov. 13, 1923.
Soap. General Paint and Varnish Company. 179,109; Feb. 5; Serial No. 183,277; published Nov. 13, 1923.
Soap. J. C. Wolford. 179,105; Feb. 5; Serial No. 183,461; published Nov. 13, 1923.
Soap, Medicated. Société Anonyme des Laboratoires Innoxa. 179,011; Feb. 5; Serial No. 181,354; published Nov. 13, 1923.
Soap stock. American Cotton Oil Company. 179,026; Feb. 5; Serial No. 177,466; published Nov. 13, 1923.
Soaps and shaving creams. Palmers, Limited. 179,098; Feb. 5; Serial No. 184,291; published Nov. 13, 1923.
Soaps, Toilet. L. T. Piver, Inc. 179,231; Feb. 5; Serial No. 184,421; published Nov. 13, 1923.

CLASS 5.

Adhesive cements. McCaw, Stevenson & Orr, Ltd. 178,985; Feb. 5; Serial No. 141,922; published Nov. 13, 1923.
Glues or pastes. Dextro Products Inc. 179,308; Feb. 5; Serial No. 186,220; published Nov. 20, 1923.
Tire-repair compounds, adhesives, etc. H. G. House. 179,307; Feb. 5; Serial No. 186,232; published Nov. 20, 1923.
Varnishes, adhesive gums, and sealing wax, Bottle. Deutsche Capselin- & Zinnolitwerke Gesellschaft mit beschränkter Haftung. 179,003; Feb. 5; Serial No. 166,661; published Nov. 6, 1923.

CLASS 6.

Aldehyde, solid methyl alcohol, and solid ethyl alcohol, Agglomerates of solid. Elektrizitatswerk Lonza. 179,139; Feb. 5; Serial No. 183,699; published Nov. 13, 1923.
Alum, boric acid, camphorated oil, etc. U. S. Pure Drug Laboratories. 179,073; Feb. 5; Serial No. 183,130; published Nov. 13, 1923.
Alum, boric acid, powdered borax, etc., Powdered. Hy-Pure Laboratories. 179,075; Feb. 5; Serial No. 183,115; published Nov. 13, 1923.
Blood purifier, liniment, skin lotion, etc. E. W. Merriss Home Remedy Company. 179,400; Feb. 5.
Carbohydrates in the animal body and remove the symptoms of diabetes mellitus, Substance which will effect the combustion of. Connaught Antitoxin Laboratories, University of Toronto. 179,174; Feb. 5; Serial No. 168,919; published June 26, 1923.
Chemical carbon destroyer. C. J. Schopp. 179,339; Feb. 5; Serial No. 172,953; published Apr. 17, 1923.
Chemical composition employed in stamping patterns. S. S. Bendick. 179,180; Feb. 5; Serial No. 165,264; published July 18, 1922.
Chemical preparation. A. P. Kottler. 179,018; Feb. 5; Serial No. 178,928; published July 24, 1923.
Chemical substances used in the manufactures, anticorrosives, and drug for vulcanizing rubber. T. H. Roberts. 179,135; Feb. 5; Serial No. 183,760; published Nov. 13, 1923.
Clay, cleansing and tissue crèmes, Facial. J. C. Pickett. 179,078; Feb. 5; Serial No. 183,083; published Nov. 13, 1923.
Cleaning and disinfectant preparation. M. Glauber & Company. 179,344; Feb. 5; Serial No. 183,829; published Nov. 20, 1923.
Composition for treating leucorrhea. S. S. Atkins. 179,145; Feb. 5; Serial No. 183,642; published Nov. 13, 1923.
Compound for treating colds, influenza, etc. J. J. Enhelder. 179,077; Feb. 5; Serial No. 183,057; published Nov. 13, 1923.
Corn remover. J. C. Dawes. 179,199; Feb. 5; Serial No. 183,332; published Nov. 13, 1923.
Cough drops. C. F. Eggimann. 179,351; Feb. 5; Serial No. 183,445; published Nov. 20, 1923.
Cream, headache powder, and liniment, Skin. J. T. Kardas. 179,223; Feb. 5; Serial No. 181,897; published Nov. 6, 1923.
Dentifrice and also liquid cream dentifrice, Liquid. Solvora, Inc. 179,101; Feb. 5; Serial No. 183,805; published Nov. 20, 1923.
Diastatic preparation used for desizing and degumming of fabrics, etc. American Burtonizing Company and Wallerstein Laboratories. 179,144; Feb. 5; Serial No. 183,619; published Nov. 13, 1923.
Electrolyte for storage batteries. L. E. Brownell. 179,181; Feb. 5; Serial No. 164,302; published Nov. 20, 1923.

Fire-extinguishing chemical compound. Protex Chemical Co. 179,233; Feb. 5; Serial No. 183,888; published Nov. 13, 1923.
Hair-dressing preparation. C. E. Bonyata. 179,138; Feb. 5; Serial No. 183,690; published Nov. 13, 1923.
Hair shampoo. Romano Baldassare and Co. 179,004; Feb. 5; Serial No. 181,717; published Nov. 6, 1923.
Insect destroyer. Bedsole-Colvin Drug Co. 179,352; Feb. 5; Serial No. 183,329; published Nov. 20, 1923.
Insecticides. E. Govett. 179,150; Feb. 5; Serial No. 183,521; published Nov. 13, 1923.
Insecticides. Hood River Spray Company. 179,322; Feb. 5; Serial No. 183,832; published Nov. 20, 1923.
Insecticides. O. H. Jadwin. 24,475; renewed Apr. 3, 1924.
Insecticides. S. H. Sachaklian. 179,371; Feb. 5; Serial No. 183,165; published Nov. 20, 1923.
Laxative, Antiseptic. Abel-Jensen Laboratories. 179,210; Feb. 5; Serial No. 183,515; published Nov. 13, 1923.
Liniment for external use. I. B. Jefferson. 179,167; Feb. 5; Serial No. 165,083; published Nov. 13, 1923.
Lip sticks. Societe Guerlain. 179,133; Feb. 5; Serial No. 183,772; published Nov. 13, 1923.
Lotion, Hand. M. Sullivan. 179,194; Feb. 5; Serial No. 183,418; published Nov. 13, 1923.
Medicated tablets and capsules for headache, etc. W. A. Libby. 179,157; Feb. 5; Serial No. 173,839; published Nov. 13, 1923.
Medicinal preparation. F. Grosse. 179,270; Feb. 5; Serial No. 182,206; published Nov. 13, 1923.
Medicinal preparation. Thompson-Barlow Company. 179,349; Feb. 5; Serial No. 183,458; published Nov. 20, 1923.
Medicinal preparation. Tryalax Manufacturing Co. 179,071; Feb. 5; Serial No. 181,790; published Nov. 6, 1923.
Medicinal preparation for the treatment of pains, aches, etc. Mrs. E. Smith. 179,373; Feb. 5; Serial No. 182,881; published Nov. 20, 1923.
Medicinal preparation used in the treatment of gout, rheumatism, etc. Schering & Glatz, Inc. 179,374; Feb. 5; Serial No. 182,839; published Nov. 20, 1923.
Medicinal tea, Celery. P. C. Melrose. 22,607; renewed Mar. 7, 1923.
Medicine to be used in the treatment and prophylaxis of cancer, Patent. G. Fermé. 179,159; Feb. 5; Serial No. 179,465; published Nov. 13, 1923.
Medicines. S. Bela. 179,168; Feb. 5; Serial No. 165,663; published Nov. 13, 1923.
Medicines for disorders of the stomach, indigestion, etc. Sampico Indian Medicine Co. 179,275; Feb. 5; Serial No. 181,022; published Nov. 20, 1923.
Oil, Castor. Bartlett Corporation. 179,067; Feb. 5; Serial No. 181,810; published Nov. 6, 1923.
Oil, Shampoo. Roman Inc. 179,081; Feb. 5; Serial No. 182,674; published Nov. 13, 1923.
Oils, face powder, complexion creams, toilet water, Toilet aromatic. T. L. Herroder. 179,219–20; Feb. 5; Serial Nos. 181,990–1; published Nov. 6, 1923.
Ointment, Antiseptic and healing. Elmer & Amend. 179,083; Feb. 5; Serial No. 182,504; published Nov. 13, 1923.
Ointment for the treatment of ringworm, seven-year itch, etc. C. V. Forshag & Co. 179,140; Feb. 5; Serial No. 183,701; published Nov. 13, 1923.
Ointment or salve for sunburn, scalds, etc. Western Wholesale Drug Co. 179,082; Feb. 5; Serial No. 182,635; published Nov. 13, 1923.
Perfume. C. T. Dare. 179,076; Feb. 5; Serial No. 183,098; published Nov. 13, 1923.
Perfume. Japanese Perfume Co. 179,080; Feb. 5; Serial No. 182,660; published Nov. 13, 1923.
Perfume and incense. Kwush-Ru Company. 179,041; Feb. 5; Serial No. 169,486; published Nov. 13, 1923.
Perfume, talcum, sachet, and face powders. Maison Mendessolle. 179,353; Feb. 5; Serial No. 183,841; published Nov. 20, 1923.
Perfumes. Societe Guerlain. 179,132; Feb. 5; Serial No. 183,775; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,134; Feb. 5; Serial No. 183,774; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,136; Feb. 5; Serial No. 183,765; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,137; Feb. 5; Serial No. 183,771; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,234–6; Feb. 5; Serial Nos. 183,776–8; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,256; Feb. 5; Serial No. 183,770; published Nov. 13, 1923.
Perfumes. Societe Guerlain. 179,257; Feb. 5; Serial No. 183,767; published Nov. 13, 1923.
Perfumes, toilet water, vanishing cream, face powder, etc. Richard Hudnut. 179,258; Feb. 5; Serial No. 183,744; published Nov. 13, 1923.
Perfumes, toilet waters, face creams, etc. G. H. Weyer. 179,147; Feb. 5; Serial No. 183,181; published Nov. 13, 193.
Pharmaceutical preparation. H. C. Thorburn. 179,044; Feb. 5; Serial No. 185,193; published Nov. 13, 1923.
Pharmaceutical preparations, face creams, powders, etc. M. L. Murata. 178,992; Feb. 5; Serial No. 160,715; published Nov. 6, 1923.
Powder, Toilet. Eli Lilly and Company. 179,143; Feb. 5; Serial No. 183,579; published Nov. 13, 1923.
Powders, Foot. J. V. Ryback. 179,068; Feb. 5; Serial No. 181,781; published Nov. 6, 1923.
Preparation for growing hair and eradicating dandruff. I. J. Harris. 179,321; Feb. 5; Serial No. 183,830; published Nov. 20, 1923.
Preparation for pyorrhea or Riggs' disease. Lawrence Chemical Company. 179,195; Feb. 5; Serial No. 183,889; published Nov. 13, 1923.
Preparation for removing freckles. M. Sullivan. 179,072; Feb. 5; Serial No. 183,175; published Nov. 13, 1923.
Preparation for removing wrinkles. M. Sullivan. 179,146; Feb. 5; Serial No. 183,176; published Nov. 13, 1923.
Preparation for rheumatism, sprains, etc. Linitane Company. 179,141; Feb. 5; Serial No. 183,751; published Nov. 13, 1923.
Preparation for the hair. R. H. Cromwell. 179,069; Feb. 5; Serial No. 181,734; published Nov. 6, 1923.
Preparation for the treatment of corns, etc. Kahley Company. 179,335; Feb. 5; Serial No. 176,797; published Nov. 20, 1923.
Preparation for the treatment of headache, neuralgia, etc. Gilbert Bros. & Co. 179,084; Feb. 5; Serial No. 182,511; published Nov. 13, 1923.
Preparation for the treatment of headache, neuralgia, etc. Gilbert Bros. & Co. 179,196; Feb. 5; Serial No. 183,377; published Nov. 13, 1923.
Preparation for the treatment of itch, sores, etc. Germ-O-Salv Company. 179,086; Feb. 5; Serial No. 182,342; published Nov. 13, 1923.
Preparation for the treatment of pyorrhea. M. E. Hisey. 179,282; Feb. 5; Serial No. 181,341; published Nov. 20, 1923.
Preparation for the treatment of rheumatism, etc. I. Gold. 179,225; Feb. 5; Serial No. 181,886; published Nov. 6, 1923.
Preparation for the treatment of syphilis and other spirochetal diseases. Boot's Pure Drug Co. 179,151; Feb. 5; Serial No. 183,552; published Nov. 13, 1923.
Preparation for the treatment of toothache. J. L. Case. 179,079; Feb. 5; Serial No. 183,094; published Nov. 13, 1923.
Preparation for the treatment of tuberculosis, asthma, and hay fever. J. L. Rowsey. 179,166; Feb. 5; Serial No. 165,036; published Nov. 13, 1923.
Preparation for use as a preventive of rheumatism and for neutralizing uric acid. A. J. Adams. 179,162; Feb. 5; Serial No. 168,910; published Nov. 13, 1923.
Purgative tea. A. Sicre. 23,951; renewed Dec. 26, 1923.
Radium, Radium Emanation Corporation. 179,355; Feb. 5; Serial No. 183,890; published Nov. 20, 1923.
Remedies for cough-producing affections and colds. Wescoe Laboratories. 179,085; Feb. 5; Serial No. 182,633; published Nov. 13, 1923.
Remedy for stomach disorders and constipation. I. A. Melnick. 179,191; Feb. 5; Serial No. 183,488; published Nov. 13, 1923.
Salt. F. I. W. Bursch. 24,550; renewed Apr. 17, 1924.
Shampoo. A. Noll. 179,142; Feb. 5; Serial No. 183,757; published Nov. 13, 1923.
Shampoo. R. I. Paddon. 179,074; Feb. 5; Serial No. 183,120; published Nov. 13, 1923.
Snuff. A. Carmel. 179,345; Feb. 5; Serial No. 183,818; published Nov. 20, 1923.
Specific, Rheumatism. J. P. Teague. 179,221; Feb. 5; Serial No. 181,965; published Nov. 6, 1923.
Toilet preparation for the eyes. D. Anschl. 179,346; Feb. 5; Serial No. 183,811; published Nov. 20, 1923.
Toilet preparations. M. J. Langdon. 179,087; Feb. 5; Serial No. 182,474; published Nov. 13, 1923.
Tonic and system renovator. P. C. Hyde. 179,224; Feb. 5; Serial No. 181,893; published Nov. 6, 1923.
Tonic, Stomach. Universal Remedies Company. 179,193; Feb. 5; Serial No. 183,426; published Nov. 13, 1923.
Tonic, Vitamine. Elkins Medicine Co. 179,091; Feb. 5; Serial No. 182,143; published Nov. 13, 1923.
Tonics, General. E. T. Wix. 179,169; Feb. 5; Serial No. 166,729; published Nov. 13, 1923.
Tooth paste and a cream for the skin. Gilbert Bros. & Co. 179,198; Feb. 5; Serial No. 183,372; published Nov. 13, 1923.
Water neutralizer, scale remover, and scale preventive for boilers. P. Edwards. 179,088; Feb. 5; Serial No. 182,238; published Nov. 13, 1923.
Welding preparation. Wilson Instrument & Specialty Company. 179,192; Feb. 5; Serial No. 183,429; published Nov. 13, 1923.
Zinc oxide. Grasselli Chemical Company. 178,997; Feb. 5; Serial No. 163,975; published Nov. 13, 1923.

CLASS 7.

Ropes, cords, and twine. New York Net & Twine Co. 179,042; Feb. 5; Serial No. 168,120; published Nov. 6, 1923.
Twine and rope, jute, hemp, etc., Cotton. H. G. Kleinfelder & Son. 179,420; Feb. 5.
Twines for fishing nets. Stuarts & Jacks, Limited. 179,024; Feb. 5; Serial No. 178,301; published Nov. 13, 1923.

CLASS 9.

Pistols, rifles, and sporting guns. Colt's Patent Fire Arms Manufacturing Company. 24,696; renewed May 8, 1924.

CLASS 10.

Fertilizers. Pacific Bone Coal & Fertilizing Company. 179,392; Feb. 5.
Fertilizers, Liquid. H. J. Taubert. 179,102; Feb. 5; Serial No. 183,807; published Nov. 6, 1923.
Lime for agricultural purposes, Hydrated. Kelley Island Lime and Transport Company. 179,277; Feb. 5; Serial No. 181,128; published Nov. 20, 1923.

CLASS 12.

Roofing material. Continental Roofing & Manufacturing Co. 179,153; Feb. 5; Serial No. 180,052; published Nov. 13, 1923.
Tile construction units, Metal. Goldsmith Metal Lath Company. 179,413; Feb. 5.

CLASS 13.

Bathroom fixtures. C. F. Church Manufacturing Co. 179,156; Feb. 5; Serial No. 181,111; published Nov. 27, 1923.
Cookers, Steam-pressure. Metropolitan Manufacturing Company. 179,175; Feb. 5; Serial No. 168,541; published Nov. 20, 1923.
Garment-hanging fixtures. Lawson Manufacturing Company. 179,223; Feb. 5; Serial No. 180,186; published Nov. 20, 1923.
Pipe couplings, metal pipes, etc., Metal. National Tube Company. 179,126; Feb. 5; Serial No. 184,415; published Nov. 13, 1923.

CLASS 14.

Molybdenum and tantalum. Fansteel Products Company. 179,283; Feb. 5; Serial No. 181,521; published Nov. 20, 1923.
Steel, Sheet. Milwaukee Rolling Mill Company. 179,065; Feb. 5; Serial No. 185,874; published Nov. 13, 1923.

CLASS 15.

Lubricants. Harvey Oil Co. 179,358; Feb. 5; Serial No. 184,029; published Nov. 20, 1923.
Oil and gasoline, Motor. Kentucky Independent Oil Company. 179,364; Feb. 5; Serial No. 184,286; published Nov. 20, 1923.
Oil, Lubricating. Roxana Petroleum Corporation. 179,311; Feb. 5; Serial No. 185,991; published Nov. 20, 1923.
Oils and gasoline, Lubricating. Sweney Gasoline & Oil Co. 179,097; Feb. 5; Serial No. 184,221; published Nov. 6, 1923.
Oils and gasoline, Lubricating. Union Oil Company of California. 179,036; Feb. 5; Serial No. 172,300; published Nov. 6, 1923.
Oils and greases, etc. Sterling Oil Company of Pennsylvania. 179,212; Feb. 5; Serial No. 182,620; published Nov. 6, 1923.
Oils, Lubricating. G. A. Bergfors. 179,309; Feb. 5; Serial No. 184,212; published Nov. 20, 1923.
Oils, Lubricating. Standard Oil Company of New York. 179,029; Feb. 5; Serial No. 175,969; published Nov. 6, 1923.
Oils, Lubricating. Waverly Oil Works Company. 179,312; Feb. 5; Serial No. 185,802; published Nov. 20, 1923.

CLASS 16.

Calcimines. Muralo Company. 179,107; Feb. 5; Serial No. 183,397; published Nov. 13, 1923.
Colors, paste, and ready-mixed paints, varnishes, oil pastes, and shellacs, Dry. Albert K. Sheldon Company. 179,298; Feb. 5; Serial No. 179,747; published Nov. 20, 1923.
Finishing or polishing material. "Bear Cat" Products Co. 179,235; Feb. 5; Serial No. 186,210; published Nov. 20, 1923.
Paint, Enamel. C. A. Woolsey Paint & Color Company. 179,108; Feb. 5; Serial No. 183,326; published Nov. 6, 1923.
Paints and paint enamels. Toch Brothers. 179,170–1; Feb. 5; Serial Nos. 181,590–1; published Nov. 13, 1923.
Paints or cements. R. M. Lucas. 179,164–5; Feb. 5; Serial Nos. 168,113–14; published Nov. 13, 1923.
Polishes for painted, varnished, etc., surfaces. Windsor Polish Co. 179,112; Feb. 5; Serial No. 184,883; published Nov. 13, 1923.
Polishing material for automobiles, etc. Carrier Chemical Company. 179,242; Feb. 5; Serial No. 184,711; published Nov. 6, 1923.
Varnishes, stains, and paint enamels. General Paint and Varnish Company. 179,148; Feb. 5; Serial No. 183,273; published Nov. 13, 1923.
Wood preservative. Paul Mende, Inc. 179,229; Feb. 5; Serial No. 185,790; published Nov. 27, 1923.
Zinc oxide. Grasselli Chemical Company. 179,064; Feb. 5; Serial No. 186,226; published Nov. 13, 1923.
Zinc oxide. Grasselli Chemical Company. 179,252; Feb. 5; Serial No. 186,228; published Nov. 20, 1923.

CLASS 17.

Cigars. S. Rodrigues. 179,216; Feb. 5; Serial No. 182,263; published Nov. 6, 1923.

CLASS 19.

Cars, Railway gasoline-motor. Mudge & Company. 179,385; Feb. 5.
Radiator caps. White Products Company. 179,241; Feb. 5; Serial No. 146,186; published Nov. 13, 1923.
Springs, Vehicle. S. S. Shears. 179,396; Feb. 5.
Vehicles, Motor. Delmore Manufacturing Co. 179,240; Feb. 5; Serial No. 151,259; published Nov. 13, 1923.

CLASS 22.

Billiard cushions. William A. Spinks & Company. 179,113; Feb. 5; Serial No. 184,874; published Nov. 6, 1923.
Game coupon punch board, Checker-. J. D'Orio. 179,038; Feb. 5; Serial No. 170,872; published Nov. 13, 1923.
Golf clubs. A. G. Spalding & Bros. 179,118; Feb. 5; Serial No. 184,527; published Nov. 13, 1923.
Minnows, Artificial. Enterprise Manufacturing Company. 179,402; Feb. 5.
Toy animals. F. G. Atlantic Toy Mfg. Co. 179,017; Feb. 5; Serial No. 180,808; published Nov. 13, 1923.

CLASS 23.

Automobile engines, Water-circulation pumps for. Price Brothers. 179,370; Feb. 5; Serial No. 184,755; published Nov. 20, 1923.
Bearings, Bronze. More-Jones Brass & Metal Co. 179,354; Feb. 5; Serial No. 183,847; published Nov. 20, 1923.
Blade sharpeners. Domestic Devices Corporation. 179,357; Feb. 5; Serial No. 184,024; published Nov. 20, 1923.
Condensers, heat exchangers, coolers, and dephlegmators. Griscom-Russell Company. 179,328; Feb. 5; Serial No. 178,100; published Nov. 20, 1923.
Cranes, freight-car unloaders, etc., Wrecking and shop. Butler Kwik-Lift Company. 179,397; Feb. 5.
Excavating and hoisting machines. G. M. Wiley. 179,289; Feb. 5; Serial No. 182,029; published Nov. 20, 1923.
Fountains, Beverage-dispensing. California Fruit Growers Exchange. 179,359; Feb. 5; Serial No. 184,084; published Nov. 20, 1923.
Gear-cutting machines and parts thereof. Farrel Foundry & Machine Company. 179,317; Feb. 5; Serial No. 185,212; published Nov. 20, 1923.
Hammers, hatchets, axes, and wedges. Evansville Tool Works. 179,326; Feb. 5; Serial No. 180,423; published Nov. 20, 1923.
Hatchets, hammers, crate openers, etc. Markwell Manufacturing Co. 179,314; Feb. 5; Serial No. 185,372; published Nov. 20, 1923.
Jacks, Lifting. L. C. Berman. 179,313; Feb. 5; Serial No. 185,554; published Nov. 20, 1923.
Knives and shears, Machine. Simonds Saw and Steel Company. 179,372; Feb. 5; Serial No. 183,006; published Nov. 20, 1923.
Oil condensers, heat exchangers, and dephlegmators. C. H. Leach Company. 179,403; Feb. 5.
Tire molds, solid cores, etc., Fabric and cord. Reynolds Machine Company. 179,363; Feb. 5; Serial No. 184,264; published Nov. 20, 1923.
Tools, Percussive. Sullivan Machinery Company. 179,394; Feb. 5.
Tools, Steel. Marion Tool Works, Inc. 179,319; Feb. 5; Serial No. 184,946; published Nov. 20, 1923.
Windmills. Fairbanks, Morse & Co. 24,479–80; renewed Apr. 3, 1924.

CLASS 25.

Automobile steering post locks. American Wheel Company. 179,323; Feb. 5; Serial No. 145,000; published Nov. 20, 1923.
Latches, levers, barrel bolts, etc. Greene, Tweed & Co. 179,061; Feb. 5; Serial No. 185,868; published Nov. 13, 1923.

CLASS 26.

Picture machines, exposure meters, etc., Moving-. Dayton Photo Products Company. 179,179; Feb. 5; Serial No. 165,785; published Nov. 20, 1923.
Scales, Weighing. Jacobs Bros. Co. 179,315; Feb. 5; Serial No. 185,297; published Nov. 20, 1923.
Thermometers. Taylor Instrument Companies. 179,310; Feb. 5; Serial No. 185,994; published Nov. 20.
Thermometers, Oven. Electrical Appliance Manufacturing Company. 179,305; Feb. 5; Serial No. 186,274; published Nov. 20, 1923.

CLASS 29.

Brushes. H. Behlen & Bro. 179,316; Feb. 5; Serial No. 185,283; published Nov. 20, 1923.
Powder puffs. M. Levy. 179,360; Feb. 5; Serial No. 184,171; published Nov. 20, 1923.
Toothbrushes. Geo. R. Gibson Co. 179,365; Feb. 5; Serial No. 184,337; published Nov. 20, 1923.
Toothbrushes. Rubber & Celluloid Products Company. 179,404; Feb. 5.

CLASS 31.

Ice-manufacturing machines and parts thereof. Chemical Machinery Experiment Co. 178,999; Feb. 5; Serial No. 164,490; published Nov. 6, 1923.

Refrigerators. J. Elkin. 179,110; Feb. 5; Serial No. 183,264; published Nov. 6, 1923.

CLASS 32.

Furniture, Upholstered household. Pan-American Furniture Factory, Inc. 179,158; Feb. 5; Serial No. 174,149; published May 22, 1923.
Tables and other forms of support for holding or supporting electric heating appliances. C. B. Worthen Co. 179,000; Feb. 5; Serial No. 165,220; published Nov. 13, 1923.

CLASS 34.

Lamp burners, Kerosene-. Gill Brothers Company. 179,149; Feb. 5; Serial No. 183,474; published Nov. 13, 1923.
Lighting fixtures. R. Beardsley. 179,238; Feb. 5; Serial No. 153,196; published Nov. 13, 1923.

CLASS 35.

Automobile fan belts. Teuscher & Son Machinery Supply Co. 178,998; Feb. 5; Serial No. 163,553; published Nov. 13, 1923.
Belting, Leather. H. E. Whiting. 179,154; Feb. 5; Serial No. 179,978; published Oct. 30, 1923.
Brake lining. Russell Manufacturing Co. 179,237; Feb. 5; Serial No. 157,007; published Nov. 13, 1923.
Engines, Piston rings for liquid-fuel. M. B. Mann. 179,419; Feb. 5.
Tires and tubes, Pneumatic. H. C. Hower. 179,039; Feb. 5; Serial No. 169,854; published Nov. 13, 1923.

CLASS 37.

Binders, Loose-leaf. Tallman, Robbins & Company. 179,320; Feb. 5; Serial No. 184,772; published Nov. 20, 1923.
Blotter pads, rocking blotters, inkwells, etc. P. L. Pease & Company. 179,013; Feb. 5; Serial No. 180,941; published Nov. 6, 1923.
Crayons, crayon holders, pencils, pencil holders, etc. Societe Anonyme "Crayons Conte." 179,111; Feb. 5; Serial No. 182,938; published Nov. 6, 1923.
Envelopes. Royal Card & Paper Company. 179,369; Feb. 5; Serial No. 184,564; published Nov. 20, 1923.
Paper. W. M. Temple. 179,342; Feb. 5; Serial No. 171,302; published Nov. 20, 1923.
Paper and stationery. W. A. Welsh. 179,002; Feb. 5; Serial No. 166,488; published Nov. 6, 1923.
Paper, Bond. Franc-Graham Paper Co. 179,230; Feb. 5; Serial No. 184,787; published Nov. 13, 1923.
Paper for printing purposes, Bond. Calvert Lithographing Co. 179,226; Feb. 5; Serial No. 186,102; published Nov. 13, 1923.
Paper, Prepared tracing. Special Paper Mfg. Co. 179,227–8; Feb. 5; Serial No. 186,030–1; published Nov. 13, 1923.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 179,119; Feb. 5; Serial No. 184,576; published Nov. 13, 1923.
Paper, Toilet. Northern Paper Mills. 179,130; Feb. 5; Serial No. 184,359; published Nov. 13, 1923.
Paper, Toilet. Northern Paper Mills. 179,367; Feb. 5; Serial No. 184,356; published Nov. 20, 1923.
Paper, Wrapping. Joseph Weil & Sons. 179,318; Feb. 5; Serial No. 185,066; published Nov. 20, 1923.
Pen, Fountain. Druggists' Supply Corporation. 179,306; Feb. 5; Serial No. 186,272; published Nov. 20, 1923.
Pens, Fountain. Salz Brothers Inc. 179,208; Feb. 5; Serial No. 162,073; published July 17, 1923.
Towels, Folded. Northern Paper Mills. 179,366; Feb. 5; Serial No. 184,351; published Nov. 20, 1923.

CLASS 38.

Books in a course of dancing instructions, Series of. W. C. Peak. 179,204; Feb. 5; Serial No. 170,210; published Nov. 13, 1923.
Calendars. Community Publicity Service. 179,246; Feb. 5; Serial No. 181,675; published Nov. 13, 1923.
Folders, circulars, etc., advertisements, and like advertising matter. Art-Ad Studio. 179,299; Feb. 5; Serial No. 179,257; published Nov. 13, 1923.
Magazine. Montgomery Ward & Co. 179,200; Feb. 5; Serial No. 183,078; published Nov. 13, 1923.
Programs, Racing. Browning and Atkin. 179,301; Feb. 5; Serial No. 178,549; published Nov. 13, 1923.

CLASS 39.

Bathing suits and trunks. R. L. Bennett Co. 179,186; Feb. 5; Serial No. 155,590; published Nov. 13, 1923.
Blouses, undershirts, and pyjamas. M. Shrage. 179,207; Feb. 5; Serial No. 162,353; published Nov. 13, 1923.
Boots and shoes. F. L. Heim & Son. 179,297; Feb. 5; Serial No. 180,429; published Nov. 13, 1923.
Boots and shoes, Leather. Bettmann-Dunlap Company. 179,274; Feb. 5; Serial No. 181,006; published Nov. 20, 1923.
Boots, shoes, and rubbers, Leather. Stetson Shop, Inc. 179,382; Feb. 5.
Boots, shoes, and slippers. Nath'l Fisher & Co. 179,205; Feb. 5; Serial No. 165,490; published Nov. 13, 1923.
Boots, shoes, slippers, shirts, collars, etc. Wm. Filene's Sons Company. 179,408; Feb. 5.
Brassières. Lucile Somarco Brassière Co. 179,336; Feb. 5; Serial No. 176,560; published Nov. 20, 1923.
Brassières. Ida Munzer, Inc. 179,333; Feb. 5; Serial No. 177,100; published Nov. 20, 1923.
Brassières. B. Sklarew. 179,377; Feb. 5; Serial No. 182,680; published Nov. 13, 1923.
Brassières and garter brassières. Model Brassiere Co. 179,285; Feb. 5; Serial No. 181,695; published Nov. 13, 1923.
Brassières, bandeaux, brandeau-girdle combinations, etc. Warner Brothers Company. 179,292; Feb. 5; Serial No. 182,276; published Nov. 20, 1923.
Clothing, Men's. S. Ackerman. 179,009–10; Feb. 5; Serial No. 181,581–2; published Nov. 6, 1923.
Coats, cloaks, wraps, capes, etc. Salt's Textile Manufacturing Company. 179,122–3; Feb. 5; Serial No. 184,518–19; published Nov. 6, 1923.
Coats, cloaks, wraps, capes, etc. Salt's Textile Manufacturing Company. 179,124; Feb. 5; Serial No. 184,524; published Nov. 6, 1923.
Coats, waistcoats, bath robes, etc., Men's and boys' house-. Franklin Simon & Co. 179,021; Feb. 5; Serial No. 179,689; published Nov. 6, 1923.
Corsets, brassières, and underwear. Kops Bros. 179,128; Feb. 5; Serial No. 184,470; published Nov. 6, 1923.
Corsets, brassières, and underwear. Kops Bros. 179,201; Feb. 5; Serial No. 174,247; published Nov. 13, 1923.
Corsets, brassières, bust supporters, etc. John Hollbach Company. 179,276; Feb. 5; Serial No. 181,025; published Nov. 20, 1923.
Corsets, girdles, dresses, etc. Hochschild, Kohn & Co. 179,127; Feb. 5; Serial No. 184,450; published Nov. 6, 1923.
Cravats and neckties. Cheney Brothers. 179,116; Feb. 5; Serial No. 184,814; published Nov. 13, 1923.
Dresses. S. Moses. 179,046–7; Feb. 5; Serial Nos. 185,226–7; published Nov. 6, 1923.
Dresses, gowns, suits, wraps, and coats. Jenny Lee Frocks, Inc. 179,384; Feb. 5.
Fur coats, capes, neckpieces, collars, and jackets. Elite Fur Shop, Inc. 179,350; Feb. 5; Serial No. 183,447; published Nov. 20, 1923.
Girdles, corsets, and hip confiners. The Lay & Way Co. 179,337; Feb. 5; Serial No. 175,502; published Nov. 20, 1923.
Gloves. Wm. Filene's Sons Company. 179,267; Feb. 5; Serial No. 182,470; published Nov. 13, 1923.
Gloves. Wm. Filene's Sons Company. 179,268; Feb. 5; 182,337; published Nov. 13, 1923.
Gloves, Leather. James McCreery & Company. 179,177; Feb. 5; Serial No. 167,847; published Nov. 20, 1923.
Gloves, pants, etc., Fabric and leather. L. C. Bush. 179,095; Feb. 5; Serial No. 184,232; published Nov. 6, 1923.
Gloves, underwear, and hosiery. P. Centemeri & Co. 179,414–18; Feb. 5.
Hats. Sternberger & Sheaman. 179,248; Feb. 5; Serial No. 181,574; published Nov. 13, 1923.
Hats and caps. Nemo Hat Company. 179,249; Feb. 5; Serial No. 181,536; published Nov. 13, 1923.
Hats for men. William Carroll & Company. 179,266; Feb. 5; Serial No. 182,533; published Nov. 13, 1923.
Hats, Ladies'. P. Miller. 179,296; Feb. 5; Serial No. 180,442; published Nov. 13, 1923.
Hats, Ladies' and children's. Calyork Manufacturing Co. 179,332; Feb. 5; Serial No. 177,828; published Nov. 20, 1923.
Hats, Sun. G. R. Green. 179,250; Feb. 5; Serial No. 181,525; published Nov. 13, 1923.
Hosiery. British International Corporation. 179,050; Feb. 5; Serial No. 185,408; published Nov. 6, 1923.
Hosiery. Hanes Hosiery Mills Co. 179,045; Feb. 5; Serial No. 185,220; published Nov. 6, 1923.
Hosiery. Paramount Knitting Company. 179,340; Feb. 5; Serial No. 172,292; published Nov. 20, 1923.
Hosiery. Scot Knit Hosiery Co. 179,040; Feb. 5; Serial No. 160,652; published Nov. 13, 1923.
Hosiery. F. Simmons. 179,182; Feb. 5; Serial No. 162,647; published Nov. 20, 1923.
Hosiery. Weller & Pendleton. 179,034; Feb. 5; Serial No. 174,049; published Nov. 6, 1923.
Hosiery and undershirts. Forns & Pla. 179,121; Feb. 5; Serial No. 184,662; published Nov. 13, 1923.
Neckties. Berkson & Modjeska. 179,096; Feb. 5; Serial No. 184,231; published Nov. 6, 1923.
Overalls. J. C. Penney Company. 179,106; Feb. 5; Serial No. 183,405; published Nov. 6, 1923.
Overalls, jackets, work shirts, etc. Jefferson Manufacturing Company. 178,987; Feb. 5; Serial No. 149,753; published Nov. 6, 1923.
Overcoats and suits. Nicholson's Raincoat Co. Limited. 179,341; Feb. 5; Serial No. 172,006; published Nov. 13, 1923.
Overcoats and topcoats. Hickey-Freeman Co. 179,027; Feb. 5; Serial No. 177,378; published Nov. 6, 1923.
Rompers. Burnham, Stoepel & Company. 179,388; Feb. 5, 1924.
Rubber heels. Holtite Manufacturing Company. 179,300; Feb. 5; Serial No. 178,845; published Nov. 13, 1923.
Rubber heels. Panther Rubber Manufacturing Company. 179,338; Feb. 5; Serial No. 173,780; published Nov. 20, 1923.
Rubber heels, rubber soled and heeled shoes, and leather shoes. La Crosse Rubber Mills Co. 179,331; Feb. 5; Serial No. 177,850; published Nov. 13, 1923.

Shirts, Men's dress. M. Rabinow. 179,129; Feb. 5; Serial No. 184,516; published Nov. 6, 1923.
Shoe soles. J. Stone. 179,383; Feb. 5.
Shoes. Geo. J. Bertman Shoe Co. 179,304; Feb. 5; Serial No. 177,122; published Nov. 13, 1923.
Shoes. Carson Pirie Scott & Co. 179,295; Feb. 5; Serial No. 180,586; published Nov. 13, 1923.
Shoes. F. G. Delbon. 179,247; Feb. 5; Serial No. 181,591; published Nov. 13, 1923.
Shoes. Foster Ryan Shoe Co. 179,273; Feb 5; Serial No. 180,974; published Nov. 13, 1923.
Shoes. Hannabsons Shoe Company. 179,294; Feb. 5; Serial No. 180,930; published Nov. 13, 1923.
Shoes. Hurley Shoe Co. 179,251; Feb. 5; Serial No. 181,487; published Nov. 13, 1923.
Shoes. Lunn & Sweet Incorporated. 179,261–3; Feb. 5; Serial Nos. 182,594–6; published Nov. 13, 1923.
Shoes and leather soles for shoes. Indian Head Shoe Co. 179,206; Feb. 5; Serial No. 164,502; published Nov. 13, 1923.
Shoes and parts thereof. A. J. Bates Company. 179,293; Feb. 5; Serial No. 181,472; published Nov. 13, 1923.
Shoes, Leather. Cammeyer. 179,160; Feb. 5; Serial No. 179,710; published Nov. 13, 1923.
Shoes, Leather. Kannally-Wick Corporation. 179,327; Feb. 5; Serial No. 178,391; published Nov. 13, 1923.
Shoes, Leather. Porter-Seitz Shoe Stores Company. 179,325; Feb. 5; Serial No. 180,671; published Nov. 20, 1923.
Shoes, slippers and boots. I. Miller & Sons, Inc. 179,272; Feb. 5; Serial No. 182,001; published Nov. 13, 1923.
Slippers and shoes, dresses, suits, etc., Crocheted and knitted. Bernhard Ulmann Co. 179,117; Feb. 5; Serial No. 184,599; published Nov. 13, 1923.
Slips, Children's. E. H. Horwood & Co. 179,203; Feb. 5; Serial No. 171,994; published Nov. 13, 1923.
Suits, dresses, coats, and underwear. Wilh. Bleyle, G. m. b. H. 179,019; Feb. 5; Serial No. 179,292; published Nov. 6, 1923.
Trousers, overalls, boys' blouses, and work suits. Oscar Levy & Company. 179,393; Feb. 5.
Underwaist union suits. E. H. Horwood & Co. 179,202; Feb. 5; Serial No. 171,996; published Nov. 13, 1923.
Underwear Quality Knit, Inc. 179,395; Feb. 5.
Underwear for children, Knitted. Little Falls Manufacturing Company. 179,094; Feb. 5; Serial No. 184,288; published Nov. 6, 1923.
Underwear, Knit. Robert Ablett & Co. 178,986; Feb. 5; Serial No. 144,750; published Nov. 13, 1923.
Underwear, Knit. C. Yost. 179,005; Feb. 5; Serial No. 181,712; published Nov. 13, 1923.
Underwear, Knitted and textile fabric. Tissuepkt Underwear Company. 179,015; Feb. 5; Serial No. 180,565; published Nov. 6, 1923.
Underwear, Woven and knit. L. Bloch. 179,028; Feb. 5; Serial No. 176,059; published Nov. 6, 1923.
Wraps and gowns, Ladies'. Perman's Gowns, Inc. 179,048; Feb. 5; Serial No. 185,376; published Nov. 6, 1923.

CLASS 40.

Art needlework. Southern Yarn Exchange. 179,278; Feb. 5; Serial No. 181,150; published Nov. 13, 1923.
Art needlework. Southern Yarn Exchange. 179,279; Feb. 5; Serial No. 181,152; published Nov. 13, 1923.
Beads and buttons, Agate. F. Bapterosses & Cie. 24,438; renewed Apr. 3, 1924.
Beads and metal spangles. Canuet Frères. 179,356; Feb. 5; Serial No. 184,017; published Nov. 13, 1923.
Combs, pincushion holders, and buttonhooks, Toilet. J. C. Dowd & Co. 179,348; Feb. 5; Serial No. 183,470; published Nov. 13, 1923.
Flowers, Artificial. Shearer & McCarthy Corp. 179,361; Feb. 5; Serial No. 184,216; published Nov. 13, 1923.
Fringes, braids, tassels, cords. United Trimming Co. 179,173; Feb. 5; Serial No. 169,460; published Sept. 25, 1923.
Hair curlers. Boyd-Brenizer Corporation. 179,184; Feb. 5; Serial No. 156,349; published Nov. 13, 1923.
Stilettos, hooks and eyes, corset eyes, etc., Bone. William Prym Company. 179,176; Feb. 5; Serial No. 168,431; published Nov. 13, 1923.
Stilettos, hooks and eyes, snap fasteners, etc. William Prym Company. 179,189; Feb. 5; Serial No. 148,614; published Nov. 13, 1923.

CLASS 44.

Bottles, Hot-water. R. Palmer. 178,994; Feb. 5; Serial No. 162,570; published Nov. 6, 1923.
Dehorners, Calf. W. C. Barnes. 179,405; Feb. 5.
Electrical appliances and attachments thereto. Physicians Electronic Supply Co. 179,120; Feb. 5; Serial No. 184,622; published Nov. 13, 1923.
Electronic medical apparatus. C. W. Sidney. 179,114; Feb. 5; Serial No. 184,873; published Nov. 13, 1923.
Toothpicks, Wooden. International Mfg. Co. 179,060; Feb. 5; Serial No. 185,708; published Nov. 6, 1923.

CLASS 45.

Beverage sold as a soft drink. E. J. O'Brien. 179,217; Feb. 5; Serial No. 182,219; published Nov. 6, 1923.
Beverage sold as soft drink and syrups used in preparation of same. Lyons Bros. Co. 179,035; Feb. 5; Serial No. 172,751; published Nov. 27, 1923.
Beverages, Carbonated. J. J. McLaughlin. 24,311; renewed Mar. 6, 1924.
Beverages, Grape-flavored. Valentin Blats Brewing Company. 179,286; Feb. 5; Serial No. 181,724; published Aug. 28, 1923.
Beverages sold as soft drinks and syrups for making the same. C. H. Butler. 179,131; Feb. 5; Serial No. 185,173; published Nov. 6, 1923.
Ginger ale, sarsaparilla, and root beer. J. Friedrich. 179,115; Feb. 5; Serial No. 184,818; published Nov. 6, 1923.

CLASS 46.

Acid, fruit butters, butter flavoring, cake mix, etc., Acetic. Northwestern Bakers & Confectioners Co. 179,183; Feb. 5; Serial No. 161,038; published Nov. 13, 1923.
Apples, Fresh. North Pacific Mortgage Company. 179,052; Feb. 5; Serial No. 185,668; published Nov. 13, 1923.
Apples, Fresh. Resetar Bros. 179,054; Feb. 5; Serial No. 185,675; published Nov. 13, 1923.
Asparagus, Fresh. Vegetable Exchange of California, Inc. 179,049; Feb. 5; Serial No. 185,637; published Nov. 13, 1923.
Beef, mutton, veal, etc. Emil Winter Company. 24,753; renewed May 22, 1924.
Biscuits. Loose-Wiles Biscuit Company. 179,012; Feb. 5; Serial No. 181,200; published Nov. 6, 1923.
Biscuits having laxatives properties. Battle Creek Food Company. 179,031; Feb. 5; Serial No. 175,058; published Nov. 6, 1923.
Bread. Grocers' Baking Company. 179,161; Feb. 5; Serial No. 169,549; published Sept. 18, 1923.
Bread and cake. Corby Baking Company. 179,001; Feb. 5; Serial No. 167,294; published Nov. 6, 1923.
Bread, pies, cookies, and cakes. Hall Baking Co. 179,389–90; Feb. 5.
Butter. L. I. Benjamin. 179,409; Feb. 5.
Butter. Tell City Creamery Company. 179,343; Feb. 5; Serial No. 180,950; published Nov. 13, 1923.
Butter. Valley Dairy Products Company. 179,324; Feb. 5; Serial No. 180,674; published Nov. 13, 1923.
Butter, cottage cheese, fresh milk, etc. Sodus Co-operative Creamery Co. 179,387; Feb. 5.
Butter, Creamery. Greendale Dairy. 178,988; Feb. 5; Serial No. 153,974; published Nov. 6, 1923.
Butter, raw cream, fresh eggs, etc. A. W. Barber. 179,187; Feb. 5; Serial No. 154,118; published Nov. 13, 1923.
Candies. A. L. Miller. 178,993; Feb. 5; Serial No. 162,561; published Nov. 13, 1923.
Candy. Binghamton Candy Co. 179,092; Feb. 5; Serial No. 184,318; published Nov. 13, 1923.
Candy. Tennessee Biscuit Co. 179,099; Feb. 5; Serial No. 183,951; published Nov. 13, 1923.
Canned corn. Iowa City Canning Co. 179,103; Feb. 5; Serial No. 183,710; published Nov. 13, 1923.
Canned fruits and vegetables. Beesemyer-Waggoner, Inc. 179,057–8; Feb. 5; Serial Nos. 185,688–9; published Nov. 13, 1923.
Canned fruits and vegetables. Empire State Canning Co. 179,386; Feb. 5.
Canned fruits, preserved fruits, canned vegetables, etc. Reid, Murdoch & Co. 179,178; Feb. 5; Serial No. 165,818; published Nov. 13, 1923.
Canned fruits, vegetables, and fish, etc. Hunt Brothers Packing Company. 179,411–12; Feb. 5.
Canned goods, cereals, sirups, tea, etc. B. A. Railton Company. 179,188; Feb. 5; Serial No. 150,706; published Nov. 14, 1922.
Canned peas. San Juan Islands Cannery. 179,222; Feb. 5; Serial No. 181,911; published Nov. 13, 1923.
Catchup, tomatoes, and mayonnaise, Combination of. Poly-naise Company. 179,329; Feb. 5; Serial No. 178,061; published Nov. 13, 1923.
Coffee. Kellum Company. 179,098; Feb. 5; Serial No. 184,135; published Nov. 13, 1923.
Coffee. H. A. S. Schnittker. 179,006; Feb. 5; Serial No. 181,621; published Nov. 13, 1923.
Coffee. H. A. Schnittker. 179,007–8; Feb. 5; Serial Nos. 181,618–19; published Nov. 13, 1923.
Cookies, cakes, and crackers. J. S. Ivins' Son, Inc. 179,287; Feb. 5; Serial No. 181,750; published Nov. 13, 1923.
Corn meal, pearl barley, hominy grits, etc. Quaker Oats Company. 179,284; Feb. 5; Serial No. 181,646; published Nov. 13, 1923.
Dates. Tropical Date Company. 179,055; Feb. 5; Serial No. 185,681; published Nov. 13, 1923.
Eggs. Fairmont Creamery Co. 179,391; Feb. 5.
Extracts of grains used as a milk modifier, Powdered. Horlick's Malted Milk Company. 179,213; Feb. 5; Serial No. 182,417; published Nov. 6, 1923.
Fats and cottonseed oils, Hard. American Cotton Oil Company. 179,043; Feb. 5; Serial No. 178,425; published Nov. 13, 1923.
Feed, Cattle and poultry. Pease & Dwyer Co. 179,185; Feb. 5; Serial No. 156,058; published Nov. 13, 1923.
Feed, Dairy and horse. Tri-State Vegi Feed Co. 179,380; Feb. 5; Serial No. 182,451; published Nov. 13, 1923.
Feed for live stock. Sweetwater Cotton Oil Co. 179,243; Feb. 5; Serial No. 181,502; published Nov. 6, 1923.
Flavoring extracts. Gilbert Bros. & Co. 179,197; Feb. 5; Serial No. 183,374; published Nov. 13, 1923.
Flavoring extracts, mincemeat, almond paste, etc., Food-International Company. 179,032; Feb. 5; Serial No. 175,016; published Nov. 13, 1923.

Flour, cracked cereal food, etc., Pancake. C. O. Sandefur. 179,016; Feb. 5; Serial No. 180,621; published Nov. 6, 1923.
Flour, Self-rising. Dunlop Milling Company. 179,376; Feb. 5; Serial No. 182,740; published Nov. 13, 1923.
Flour, Wheat. Archbold-Giger & Co. 179,288; Feb. 5; Serial No. 181,807; published Nov. 13, 1923.
Flour, Wheat. Bay State Milling Co. 179,424; Feb. 5.
Flour, Wheat. Bernet, Craft & Kauffman Milling Co. 179,022; Feb. 5; Serial No. 179,924; published Nov. 6, 1923.
Flour, Wheat. Colorado Milling & Elevator Co. 179,401; Feb. 5.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 179,421–3; Feb. 5.
Flour, Wheat. King Milling Co. 179,381; Feb. 5; Serial No. 182,422; published Nov. 13, 1923.
Flour, Wheat. S. Levenson. 178,996; Feb. 5; Serial No. 163,404; published Nov. 6, 1923.
Flour, Wheat. Lillie Mill Company. 179,375; Feb. 5; Serial No. 182,759; published Nov. 13, 1923.
Flour, Wheat. Portland Flour Mills Co. 179,290–1; Feb. 5; Serial Nos. 182,177–8; published Nov. 13, 1923.
Flour, Wheat. Portland Flour Mills Co. 179,378–9; Feb. 5; Serial Nos. 182,607–8; published Nov. 13, 1923.
Flour Wheat. Robinson Milling Company. 179,030; Feb. 5; Serial No. 175,946; published Nov. 6, 1923.
Flour, Wheat. Willis Norton & Co. 179,330; Feb. 5; Serial No. 177,884; published Nov. 13, 1923.
Food, Cereal breakfast. Pokodot Cereal Company. 179,281; Feb. 5; Serial No. 181,309; published Nov. 13, 1923.
Food, Infants' and invalids'. Joseph Nathan & Co. 179,033; Feb. 5; Serial No. 174,587; published Nov. 13, 1923.
Foods, Poultry. Fred D. Wikoff Company. 178,990; Feb. 5; Serial No. 159,675; published Nov. 6, 1923.
Fruit concentrate. F. E. Booth Co. 179,059; Feb. 5; Serial No. 185,690; published Nov. 13, 1923.
Fruit, Fresh citrous. Mupu Citrus Association. 179,218; Feb. 5; Serial No. 182,170; published Nov. 13, 1923.
Fruit, Preserved. Keystone Fruit Products Company. 179,025; Feb. 5; Serial No. 177,608; published Nov. 6, 1923.
Fruits and canned vegetables, Preserved, canned, and bottled. Chase & Co. 179,070; Feb. 5; Serial No. 181,727; published Nov. 6, 1923.
Fruits and vegetables, Fresh. Phil Warner & Son. 179,104; Feb. 5; Serial No. 183,510; published Nov. 13, 1923.
Gelatine dessert preparation. California Food Products Company. 179,260; Feb. 5; Serial No. 182,649; published Nov. 13, 1923.
Gelatine preparation. Tyler Chemical Co. 179,264; Feb. 5; Serial No. 182,553; published Nov. 13, 1923.
Grapes, Fresh. Freedman & Engelman. 179,051; Feb. 5; Serial No. 185,654; published Nov. 13, 1923.
Grapes, Fresh. Starry, Young & Way. 179,066; Feb. 5; Serial No. 185,725; published Nov. 13, 1923.
Grapes, Fresh. Tipton Fruit Growers Assn. 179,063; Feb. 5; Serial No. 185,731; published Nov. 13, 1923.
Jellies and jams, vinegar, honey, etc., Fruit. Grocers Specialty Co. 179,280; Feb. 5; Serial No. 181,275; published Nov. 13, 1923.
Marmalade. F. I. Halsey. 179,014; Feb. 5; Serial No. 180,280; published Nov. 13, 1923.
Meat and milk essence, beverage chocolate, pea soup, etc. Food Products Ltd. 179,334; Feb. 5; Serial No. 176,821; published Nov. 13, 1923.
Milk, Evaporated and condensed. Colorado Condensed Milk Co. 179,302; Feb. 5; Serial No. 178,492; published Nov. 13, 1923.
Milk for bakers and confectioners. International Company. 178,989; Feb. 5; Serial No. 159,318; published Nov. 13, 1923.
Noodles, vermicelli, and similar paste products. Pfaffmann Egg Noodle Company. 178,991; Feb. 5; Serial No. 160,633; published Nov. 13, 1923.
Oleomargarine, Nut. E. S. Bazley. 179,190; Feb. 5; Serial No. 171,242; published Nov. 13, 1923.
Peanuts and peanut butter, Salted. Davis & Lamb. 178,995; Feb. 5; Serial No. 163,382; published Nov. 13, 1923.
Potatoes. Nix Produce Company. 179,100; Feb. 5; Serial No. 183,884; published Nov. 13, 1923.
Raisins. Sun Maid Raisin Growers. 179,037; Feb. 5; Serial No. 171,108; published Nov. 13, 1923.
Salad dressing, salad and olive oils, vinegar, etc. John Scowcroft & Sons Company. 179,271; Feb. 5; Serial No. 182,014; published Nov. 13, 1923.
Sandwiches. A. Brooks. 179,172; Feb. 5; Serial No. 170,469; published Nov. 13, 1923.
Sandwiches. J. G. Kirby. 179,407; Feb. 5.
Tea, coffee, and other named beverages. United Kingdom Tea Company Limited. 24,269; renewed Feb. 20, 1924.
Vegetable shortening. Alberto Vales Company. 179,056; Feb. 5; Serial No. 185,686; published Nov. 13, 1923.
Vegetables, Fresh. Osborne Fruit & Vegetable Company. 179,053; Feb. 5; Serial No. 185,669; published Nov. 13, 1923.

CLASS 48.

Sirup, Malt. W. T. Smoot. 179,347; Feb. 5; Serial No. 183,674; published Nov. 20, 1923.

CLASS 50.

Rugs, carpets, floor and door mats, etc. Standard Felt Company. 179,209; Feb. 5; Serial No. 159,627; published Nov. 13, 1923.
Vehicle top material. O'Bannon Corporation. 179,398–9; Feb. 5.

ALPHABETICAL LIST OF LABELS.

Alola. For Hawaiian Pineapple. Albert F. Bridges & Co. 26,853; Feb. 5.
Black and White. For Canned Corn. Standard, Inc. 26,887; Feb. 5.
Campo Garcia. For Clear Havana Cigars. M. C. Garcia. 26,874; Feb. 5.
Chocolates of Class. For Chocolate Candies. Graham Ice Cream Company. 26,868; Feb. 5.
Chu Chin Chow. For Chocolate Candies. Graham Ice Cream Company. 26,867; Feb. 5.
Columbia. For Phonograph Records. Columbia Phonograph Company. 26,856–60; Feb. 5.
Corn Fritter Sandwiches. For Sandwiches. A. R. Howe. 26,870; Feb. 5.
Dr. White's Toothache Drops. For Medicine to Give Relief from Toothache. First National Laboratories, Inc. 26,863; Feb. 5.
Dr. White's Wonderful Liquid Corn Remedy. For Medicine for the Removal of Corns, Warts, and Calli. First National Laboratories, Inc. 26,864; Feb. 5.
Duke. For Cigars. J. M. Keller. 26,873; Feb. 5.
Fairy Soda. For Crackers. Iten Biscuit Co. 26,871; Feb 5.
Famous Brick Ice Cream. For Cartons and Pails Containing Ice Cream. Menasha Printing and Carton Company. 26,875; Feb. 5.
Form Fashioned. For Hosiery. Chipman Knitting Mills. 26,854; Feb. 5.
French Pastry. For Candy. Schutter-Johnson Candy Co. 26,883; Feb. 5.
Gravy Crystals. For Gravy Crystals. Smith & Gray. 26,885; Feb. 5.
Gropper Knit. For Neckties. Gropper Knitting Mills, Inc. 26,869; Feb. 5.
Ideal. For Citrous Fruits. Eastlake Investment Company. 26,862; Feb. 5.
Jantzen. For Swimming Suit. Jantzen Knitting Mills. 26,872; Feb. 5.
Malboro. For Canned Pears. Ray-Maling Co. 26,878; Feb. 5.
Malcross. For Canned Pears. Ray-Maling Co. 26,880; Feb. 5.
Malglow. For Canned Pears. Ray-Maling Co. 26,881; Feb. 5.
Malshire. For Canned Apples. Ray-Maling Co. 26,882; Feb. 5.
Malwood. For Canned Pears. Ray-Maling Co. 26,879; Feb. 5.
Mi Messenger. For Chocolate Candies. Graham Ice Cream Company. 26,866; Feb. 5.
Mrs. Schmidt's Sweet Home Bread. For Bread. City Baking Company. 26,855; Feb. 5.
Old Nick for a nickel. For Candy. Schutter-Johnson Candy Co. 26,884; Feb. 5.
Reproduco. For Player Rolls. Vocalstyle Music Co. 26,890; Feb. 5.
Seminole Dolls. For Dolls and containers for dolls. Tamiami Doll Company. 26,888; Feb. 5.
Specially Made for Personal Record. For Phonographic Records. Columbia Phonograph Company. 26,861; Feb. 5.
The Chocolate Barbecue. For Chocolate Candies and Bonbons. Graham Ice Cream Company. 26,865; Feb. 5.
The Gump Family. For Candy. S. Smith. 26,886; Feb. 5.
Totem. For Fresh Loganberries. North Pacific Co-Operative Berry Growers. 26,876; Feb. 5.
Totem. For Canned Strawberries. North Pacific Co-Operative Berry Growers. 26,877; Feb. 5.
U S A Soap. For Soap. United Soap Association. 26,889; Feb. 5.

ALPHABETICAL LIST OF PRINTS.

Builders' Supplies. For Builders' Supplies. J. E. Ward. 7,172; Feb. 5.
Buy Oysters this Better Way. For Paper Boxes. Sealright Co. 7,164; Feb. 5.
Cleaner to Carry Fresher at Home. For Paper Boxes. Sealright Co. 7,162; Feb. 5.
Lambert's Service. For Cleaned and Dyed Garments and Cloth. C. L. Lambert. 7,154; Feb. 5.
1000^{00} Guaranteed Bed-Bug Killer. For Insecticide for Killing Bedbugs and Carpet Beetles. B. Heller & Company. 7,152; Feb. 5.
1000^{00} Guaranteed Moth Killer. For Insecticide Used in Killing Moths. B. Heller & Company. 7,151; Feb. 5.
1000^{00} Guaranteed Roach Killer. For Insecticide for Killing Roaches and Water Bugs. B. Heller & Company. 7,153; Feb. 5.
Pack your Dairy Products in Sealright Liquid-Tight Paper Containers. For Paper Boxes. Sealright Co. 7,165; Feb. 5.
Pine, Hemlock and Hardwood Lumber Lath Shingles and Cedar Products. For Lumber. J. E. Ward. 7,171; Feb. 5.
Roll Your Own Nicotine Dust with Black Leaf 40 and Cut Costs In Half. For "Black Leaf 40" (Sulphate of Nicotine). Tobacco By-Products & Chemical Corporation. 7,168; Feb. 5.
Say to your dealer "Pack them in Sealright Containers." For Paper Boxes. Sealright Co. 7,159; Feb. 5.
Sealright Liquid Tight Paper Containers. For Paper Boxes. Sealright Co. 7,166; Feb. 5.
Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. Sealright Co. 7,161; Feb. 5.
Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. Sealright Co. 7,163; Feb. 5.
Sealright Pouring-Pull Milk Bottle Caps. For Pouring-Pull Milk-Bottle Caps. Sealright Co. 7,167; Feb. 5.
That's the Tab. For Pouring-Pull Milk-Bottle Caps. Sealright Co. 7,157–8; Feb. 5.
That's the Tab. For Pouring-Pull Milk-Bottle Caps. Sealright Co. 7,160; Feb. 5.
The Estey Residence Organ brings into the home an infinite variety of Music. For Estey Pipe Organs. Estey Organ Company. 7,150; Feb. 5.
There's A Plumber In Every Can. For Drain Opener. Pacific Chemical Company. 7,155; Feb. 5.
Ward's Paradise Fruit Cake. For Cake. Ward Baking Company. 7,169; Feb. 5.
Warranty. For Bread. Ward Baking Company. 7,170; Feb. 5.
Would you be his choice for the dance? For Palmolive Soap. Palm Olive Company. 7,156; Feb. 5.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Cottonseed, oat seed, seed corn, etc. Stoneville Pedigreed Seed Company. 173,150; Feb. 5.
Solid substance manufactured from casein. E. P. Carpenter. 173,071; Feb. 5.

CLASS 2.

Paper bags. American Mills Company. 189,290; Feb. 5.
Paper bags. American Mills Company. 189,292; Feb. 5.
Paper bags, boxes and trays. Consolidated Paper Box Manufacturing Co. 189,390; Feb. 5.
Paper boxes. C. O. Slingerland. 189,481; Feb. 5.
Receptacles. Robinson Manufacturing Company. 189,427; Feb. 5.

CLASS 3.

Fly nets and saddle girths. Algoma Net Company. 188,783; Feb. 5.
Trunks, traveling bags, and suitcases. Beals & Selkirk Trunk Company. 189,442; Feb. 5.

CLASS 5.

Pastes and glues. J. J. Harris. 178,607; Feb. 5.

CLASS 6.

Bluing. National Marking Machine Company. 166,961–2; Feb. 5.
Chemical preparation for purifying and treating lard and tallow. B. Heller & Company. 171,364; Feb. 5.
Chemical preparation used for the destruction of rodents. R. W. Crawford. 171,064; Feb. 5.
Compound for killing insects, ammonia, etc. John C. Witte's Sons. 185,807; Feb. 5.
Compound used for a vaginal douche, etc. J. McGoogan. 187,949; Feb. 5.
Compounds for use in the drawing and tempering of steel. E. F. Houghton & Co. 189,672; Feb. 5.
Compounds for use in the reheating of steel. E. F. Houghton & Co. 189,673; Feb. 5.
Cosmetic preparations. Minyunet Corporation. 174,095; Feb. 5.
Cough sirup. D. Klebanoff. 189,629; Feb. 5.
Cream, Toilet. G. A. Dunning and Son. 189,554; Feb. 5.
Dye. E. T. Helms. 189,458; Feb. 5.
Engines, Compound for removing carbon deposits from internal-combustion. S. C. Johnson & Son. 186,793; Feb. 5.
Flux. Casebourne & Fanthorpe. 185,175; Feb. 5.
Hair, Cream or dressing for the. Mellier Company, Perfumer. 188,127; Feb. 5.
Hair, Preparations for straightening and improving the. Ra M. Eason. 189,555; Feb. 5.
Hair shampoos and preparations, balms, oils, etc. Madam Sallie L. Washington. 185,771; Feb. 5.
Hydrocarbons for medicinal purposes and industrial arts. Energine Refining and Manufacturing Company. 174,076; Feb. 5.
Insect powder. John Powell & Co. 185,764; Feb. 5.
Insecticides and fungicides. Peninsular Chemical Co. 189,688; Feb. 5.
Liniment. L. A. Inman. 189,674; Feb. 5.
Liver regulator and blood purifier. A. H. Lewis Medicine Company. 163,887; Feb. 5.
Malt extracts, Crystalline. Dr. A. Wander S. A. 186,356; Feb. 5.
Medical composition for leucorrhea. L. Crabtree. 185,861; Feb. 5.
Medicinal powder for use in dentistry. N. Abraham. 187,906; Feb. 5.
Medicinal powder used in dentistry. N. Abraham. 187,908; Feb. 5.
Medicinal preparation for coughs, colds, etc. J. A. Piuma. 187,780; Feb. 5.
Medicinal preparations for sick headache, etc. Billings Clapp & Co. 188,883; Feb. 5.
Medicine for the kidneys, etc. T. L. Cummings. 184,393; Feb. 5.
Medicine to retard the effects of drunkenness, relieve indigestion, etc. T. Szewczyk. 188,778; Feb. 5.
Medicine used in the treatment of tuberculosis, etc. G. Rossi. 188,773; Feb. 5.
Medicines for asthma. Mrs. C. B. Roberts. 188,328; Feb. 5.
Medicines for the liver, etc. Alligator Liniment Company. 188,026; Feb. 5.
Moisture and air proof chemical compound. Hermetite Chemical Corporation. 185,703; Feb. 5.
Mouth washes. J. M. Breen. 189,609; Feb. 5.
Oil, Miscible. James Good, Inc. 189,501; Feb. 5.
Oil of orange blossoms. Ungerer & Company. 187,703; Feb. 5.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 189,429; Feb. 5.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 189,431–2; Feb. 5.
Perfume, toilet water, and face powder. J. Garfinkle. 188,545; Feb. 5.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 185,464; Feb. 5.
Perfumery products. Henri Muraour & Cie. 188,965; Feb. 5.
Perfumery products. Les Parfums De Mury. 186,237–9; Feb. 5.
Perfumery raw materials. Pierre Lemoine et Cie. 189,478–9; Feb. 5.
Perfumes. I. L. Schafran. 168,433; Feb. 5.
Perfumes and toilet waters. C. M. Earl. 189,665; Feb. 5.
Perfumes, toilet waters, face powders, etc. Jennings Manufacturing Co. 189,675; Feb. 5.
Poison, Rodent. O. E. Houser. 189,720; Feb. 5.
Preparation for dandruff and moistening the hair. B. Hunto. 190,018; Feb. 5.
Preparation for eczema. H. E Fowler. 188,541; Feb. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preparation for scalp treatment, Liquid. J. R. de Anaya jr. 176,711; Feb. 5.
Preparation for the treatment of piles or hemorrhoids. J. Coret. 186,415; Feb. 5.
Preparation for the treatment of rheumatism, etc. J. S Van Loon. 188,509; Feb. 5.
Preparation for treatment of corns. A. Norton. 189,578; Feb. 5.
Preparation for treatment of rheumatism. G. E. Simpkins. 185,992; Feb. 5
Preparation of bismuth. Hoffmann-La Roche Chemical Works. 189,618–19; Feb. 5.
Preparations for stimulating action of the liver cells. J. F. Murray. 186,799; Feb. 5.
Remedies, Household. O-San Company. 184,177; Feb. 5.
Remedy for bird ailments. A. S. Eggeling. 188,185–6; Feb. 5.
Rheumatism preventive. T. Hok Soelj. 179,628; Feb. 5.
Salve for the treatment of piles. S. C. Vick. 189,378; Feb. 5.
Salves for cuts, burns, piles, etc. Central Drug Store, Ltd. 185,916; Feb. 5.
Sedatives. Tucker Pharmacal Company. 188,507; Feb. 5.
Solution for use in dentistry, Chemical. N. Abraham. 187,907; Feb. 5.
Sour, Laundry and textile. H. Kohnstamm & Co. 186,015; Feb. 5.
Tablets for rheumatism and disorders of the liver, etc. Standard Remedy Company. 182,227; Feb. 5.
Toilet preparations. O-San Company. 184,178; Feb. 5.
Tonic, General. Billings Clapp & Co. 188,884; Feb. 5.
Tonic, General. W. T. Ellison. 189,188; Feb. 5.
Tooth paste. Richard Hudnut. 184,030; Feb. 5.
Water-softening compounds. Morgan Products Company. 188,493; Feb. 5.

CLASS 8.

Cigar holders and cigarette cases, Fine-leather. Stanley & Stanley, Inc. 182,523; Feb. 5.
Pipes, Tobacco. P. H. Mathrat. 188,766; Feb. 5.

CLASS 12.

Roofing and shingles, Composition. Barrett Company. 173,274; Feb. 5.
Roofing sheets, Composition. Barrett Company. 173,272; Feb. 5.
Roofing sheets, Composition. Barrett Company. 173,344; Feb. 5.

CLASS 13.

Bathtubs, water-closets, sinks, etc. B. Kaplan. 169,403; Feb. 5.
Strainers, Self-cleaning. Spray Engineering Company. 188,447; Feb. 5.
Tire protectors, Metallic. A. Grilli. 161,487; Feb. 5.

CLASS 15.

Gasoline, motor oil, distillate, kerosene, etc. Hercules Gasoline Co. 189,780; Feb. 5.
Lubricant. Dalco Lubricants, Incorporated. 187,728; Feb. 5.
Oils, Fuel. Tide Water Oil Company. 188,941; Feb. 5.
Oils, Lubricating and fuel. Union Oil Company of California. 188,577–80; Feb. 5.

CLASS 16.

Aluminum bronze, enamels, and bearing blue. Research Club, Inc. 188,432–3; Feb. 5.
Chemical preparation for cleaning paint brushes. M. W. Serby. 184,781; Feb. 5.
Colors, enamels, etc., Oil and water. Duncan, Vail Company. 187,611; Feb. 5.
Paint. J. F. Kurfees Paint Company. 188,097; Feb. 5.
Paint enamels. Magner Brothers. 187,433; Feb. 5.
Paint for cement and concrete surfaces. Magner Brothers. 187,431; Feb. 5.
Paint remover. W. B. Gibson. 189,454; Feb. 5.
Paints and varnishes. Magner Brothers. 187,428; Feb. 5.
Paints and varnishes. Magner Brothers. 187,430; Feb. 5.
Paints, Enamel. Egan & Hausman Company. 189,393; Feb. 5.
Paints, Flat. Magner Brothers. 187,432; Feb. 5.
Paints, Flat. Magner Brothers. 187,434; Feb. 5.
Stains, fillers, dry colors, Wood. Henry A. Dewey Company. 187,804; Feb. 5.
Varnishes, colors, stains, etc. F. O. Pierce Company. 188,215; Feb. 5.
Varnishes, paints, stains, etc. Ohio Varnish Company. 188,427; Feb. 5.

CLASS 21.

Radio apparatus, Panels and dials for. American Hard Rubber Company. 189,602; Feb. 5.

CLASS 22.

Dolls. E. V. Allison. 187,184; Feb. 5.
Game, Lawn. National Croff Company. 187,066; Feb. 5.

CLASS 23.

Coil files, tire pumps, etc. Research Club, Inc. 188,929; Feb. 5.
Coil files, tire pumps, etc. Research Club, Inc. 188,931; Feb. 5.

CLASS 26.

Dairy, creamery, milk-plant, cheese-factory, and ice-cream factory appliances. Creamery Package Mfg. Company. 189,764–6; Feb. 5.
Gauges and thermometers, and recording and indicating tachometers, Recording. American Schaeffer & Budenberg Corporation. 188,784; Feb. 5.
Ship logs, nautical distance recorders, etc. Thomas Walker & Son Limited. 186,682; Feb. 5.
Spectacle and eyeglass frames, temples, and component parts. Teller Optical Company. 189,146; Feb. 5.

CLASS 29.

Brushes. Ox Fibre Brush Company. 184,290; Feb. 5.
Brushes. Springfield-Kelly Brush Co. 188,716; Feb. 5.
Brushes and brooms. Ox Fibre Brush Company. 184,289; Feb. 5.
Brushes, Wire. Sindix, Limited. 188,715; Feb. 5.
Brooms. American Paper & W. W. Co. 186,453; Feb. 5.
Powder puffs. Sophia Hair Stores Company. 189,145; Feb. 5.

CLASS 31.

Filtration and in demulsification of liquids, Material used in aiding. Celite Co. 181,633; Feb. 5.
Refrigerators. Wicander & Co. 187,145; Feb. 5.
Water-cooling systems. Spray Engineering Company. 189,280; Feb. 5.

CLASS 32.

Child's retaining frame. Household Efficiency Bureau. 183,114; Feb. 5.

CLASS 33.

Glass globes and reflectors. Holophane Glass Company. 188,681; Feb. 5.

CLASS 35.

Belting, tires, and casings. Federal Rubber Company of Illinois. 157,662; Feb. 5.
Belts, Leather machinery. H. M. Campbell. 165,353; Feb. 5.
Tires and tubes. M. Steinberg. 177,332; Feb. 5.

CLASS 37.

Calendar holders, card files, loose-leaf binders, etc., Desk. California Arch File Corporation. 189,238; Feb. 5.
Crayons. Standard Oil Company of New York. 188,387; Feb. 5.
Envelopes. Charles J. Cohen Company. 189,100; Feb. 5.
Mailing folders. Victor Manufacturing & Gasket Co. 188,720; Feb. 5.
Paper, Printing and writing. Hampshire Paper Company. 168,304; Feb. 5.
Paper tablets. Southern Wooden Ware Co. 168,859; Feb. 5.
Paper, Toilet. Capital Paper Company. 189,447; Feb. 5.
Paper, Toilet. Fisher Bros. Paper Co. 189,556; Feb. 5.
Paper, Toilet and wrapping. Fisher Bros. Paper Co. 189,558; Feb. 5.
Paper used for correspondence. Union Paper and Twine Company. 188,392; Feb. 5.
Papers and pencils, Printing, writing, and wrapping. Consolidated Paper Box Manufacturing Co. 189,391; Feb. 5.
Tablets, Writing. White & Wyckoff Manufacturing Company. 189,436; Feb. 5.

CLASS 38.

Cartoons. H. V. Hough. 186,186; Feb. 5.
Dramatic editorials, editorials in dramatic form, etc. J. A. Rosenfield. 189,477; Feb. 5.
Magazine, Monthly. Battery Man Publishing Co. 188,881; Feb. 5.
Magazine, Monthly. Ronald Press Company. 189,691; Feb. 5.
Newspaper. West Virginian, Incorporated. 183,615; Feb. 5.
Paintings, Facsimile oil. Pudlin & Goldstein. 189,070; Feb. 5.
Periodical. American Association of Museums. 189,023; Feb. 5.
Periodical, Monthly. L. Bamberger & Co. Publishing Co. 188,945; Feb. 5.
Publication section, Trade. Shoe and Leather Reporter Co. 186,250; Feb. 5.
Publication, Yearly. Fishing Gazette Publishing Co. 179,998; Feb. 5.
Railway-time-table guides. F. Lindskog. 189,983; Feb. 5.

CLASS 39.

Bandeaux, bloomers, brasichemise, brassières, etc. Vanity Fair Silk Mills. 176,584; Feb. 5.
Bathing suits, shaker sweaters, etc. H-O-W Knitting Company. 188,903; Feb. 5.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Blouses and shirts. Rice-Klein Co. 187,641; Feb. 5.
Boots, shoes, and slippers. A. E. Little Company. 186,432; Feb. 5.
Caps, Men's and boys'. Feldstein Bros. & Co. 177,175; Feb. 5.
Cloaks, coats, suits, dresses, and skirts, Ladies'. Morris W. Haft & Bros., Inc. 189,125; Feb. 5.
Clothing, Boys'. Isaac Faller's Sons Company. 189,394; Feb. 5.
Coats and raincoats, Top. H. & L. Epstein, Inc. 188,672; Feb. 5.
Coats, overcoats, and showerproof coats, Men's. Lord & Taylor. 189,254–5; Feb. 5.
Coats, waists, dresses, etc., Ladies'. A. R. Rubin. 187,879; Feb. 5.
Collars, pyjamas, and shirts. H. Berger. 189,094–5; Feb. 5.
Dresses. Jos. Rosenberg & Co. 187,130–1; Feb. 5.
Furnishings, undergarments, and clothing, Misses' and girls'. Best & Co. 176,442; Feb. 5.
Gloves, hosiery, underwear. David & Blum, Inc. 188,951; Feb. 5.
Hats, Ladies'. Lowengart & Company. 184,207; Feb. 5.
Hats, Men's and boys'. De Luca Bros. Hat Co. 184,603; Feb. 5.
Hosiery. F. Gastineau. 188,998; Feb. 5.
Hosiery. Haas & Johnston. 188,840; Feb. 5.
Hosiery. State Textile Corporation. 188,870; Feb. 5.
Hosiery. Textile Mills Corporation. 189,434; Feb. 5.
Hosiery. Zimmermann & Signal. 185,353; Feb. 5.
Hosiery, Women's. New York Waist House, Inc. 188,475; Feb. 5.
Knitted outer garments. Standard Knitting Co. 178,295; Feb. 5.
Moccasins. Duro-Tex Company. 185,008; Feb. 5.
Neckties. T. E. Greaney. 188,364; Feb. 5.
Overcoats, coats, vests, trousers. Sonneborn Brothers. 188,978; Feb. 5.
Pants and sport or work shirts. D. M. Oberman Mfg. Co. 187,121; Feb. 5.
Rompers. James A. Hearn & Son, Inc. 188,841; Feb. 5.
Shirts. Bender Company. 188,176; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,197; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,796; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,798; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,800–1; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,915–17; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,989; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,992; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,994–5; Feb. 5.
Shirts. Cluett, Peabody & Co. 187,997; Feb. 5.
Shirts. Cluett, Peabody & Co. 188,531–3; Feb. 5.
Shirts. Glens Falls Shirt Company. 170,481; Feb. 5.
Shirts, nightshirts, pyjamas, and boys' blouses. Phillips-Jones Corporation. 188,861; Feb. 5.
Shirts, nightshirts, pyjamas, and boys' blouses. Phillips-Jones Corporation. 189,168; Feb. 5.
Shirts, pyjamas, underwear, etc. Phillips-Jones Corporation. 188,324; Feb. 5.
Shirts, Work. Glenwood Manufacturing Co. 185,753; Feb. 5.
Shoes. C. H. Brown. 147,227; Feb. 5.
Shoes. Brown Shoe Company. 187,086; Feb. 5.
Shoes. International Shoe Co. 186,428; Feb. 5.
Shoes. Litewelt Process Co. 186,596; Feb. 5.
Shoes. A. W. Todcastle & Co. 184,530; Feb. 5.
Shoes, boots, and slippers. Standard Felt Company. 172,495; Feb. 5.
Shoes, boots, slippers, and sandals, Children's. Ideal Baby Shoe Co. 185,221; Feb. 5.
Shoes, Children's. International Shoe Company. 183,296; Feb. 5.
Shoes, Leather. Straitoe Company. 185,631; Feb. 5.
Suits and overcoats. Max Udell & Sons. 188,141; Feb. 5.
Sweaters, knitted suits, and dresses, etc. Fred. H. Samuels & Co. 186,966; Feb. 5.
Ties, cravats. Friedman Bros. & Sons Neckwear Co. 188,009–10; Feb. 5.
Ties, cravats. Friedman Bros. & Sons Neckwear Co. 188,675; Feb. 5.
Trousers. Ehemeer Heynemann Co. 186,467; Feb. 5.
Underwear. T. & R. Morley. 172,803; Feb. 5.
Underwear and bathing suits. Augusta Knitting Corporation. 174,282; Feb. 5.
Underwear, Women's. Dora-Del Garment Company. 185,076; Feb. 5.

CLASS 40.

Corset laces and clasps. Warner Brothers Company. 187,397; Feb. 5.

CLASS 42.

Bedspreads, pillow shams, and throws. R. Volt. 188,077; Feb. 5.
Cloths, stuffs of wool, worsted, or hair. Hargreaves & Co. 186,594; Feb. 5.
Cotton piece goods. Hyman Bauman & Co. 186,013; Feb. 5.
Cotton piece goods. Wilton Manufacturing Company. 188,175; Feb. 5.
Covers and pillowcases, Baby-carriage. Federal Underwear Co. 171,836; Feb. 5.
Interlinings. Antony Gibbs & Co. 187,811; Feb. 5.
Luncheon sets. A. S. Herrmann. 187,990; Feb. 5.
Pillowcases and sheets. J. C. Penney Company. 186,444; Feb. 5.
Silk piece goods. Susquehanna Silk Mills. 188,506; Feb. 5.
Table covers, Textile. Mah-Jongg Sales Company of America. 179,617; Feb. 5.
Ticking. Joseph W. Woods & Sons Co. 168,994; Feb. 5.
Velvet piece goods. William E. Wiener, Inc. 188,729; Feb. 5.
Webbing, Elastic. Kops Bros. Inc. 187,746; Feb. 5.
Woolen piece goods. Forstmann & Huffmann Company. 187,924; Feb. 5.
Woolen piece goods. Forstmann & Huffmann Company. 187,933; Feb. 5.
Worsted and woolen textile fabrics. Holden-Leonard Company. 186,375; Feb. 5.

CLASS 43.

Cotton, Spool. W. Warren Thread Wks. 189,743; Feb. 5.

CLASS 44.

Heating appliance. Constant Heat Pack Corporation. 168,574; Feb. 5.

CLASS 45.

Drink, Cherry. Electrified Water and Machine Company. 187,807; Feb. 5.
Drink, Crème. Electrified Water & Machine Company. 187,808; Feb. 5.
Drink, Grape. Electrified Water and Machine Company. 187,806; Feb. 5.
Drink, Lemon. Electrified Water and Machine Company. 187,810; Feb. 5.
Drink, Lime. Electrified Water and Machine Company. 187,732; Feb. 5.
Drink, Orange. Electrified Water and Machine Company. 187,734; Feb. 5.
Drink, Sarsaparilla. Electrified Water and Machine Company. 187,733; Feb. 5.
Drink, Strawberry. Electrified Water and Machine Company. 187,731; Feb. 5.
Flavoring for soft drinks. J. Grossman's Sons. 189,248; Feb. 5.
Water, Spring. J. Shor. 189,206; Feb. 5.

CLASS 46.

Bacon, ham, and lard, John Morrell & Co. 171,588; Feb. 5.
Bread. Flaherty Baking Co. 186,122; Feb. 5.
Breads, cakes, doughnuts, and buns. Oswald Jaeger Baking Co. 188,224; Feb. 5.
Butter and ice cream. R. F. Worden & Sons, Inc. 183,514; Feb. 5.
Butter, Creamery. Midwest Creamery Co. 187,684; Feb. 5.
Candy. Paul F. Beich Company. 189,550; Feb. 5.
Candy. Cotton Belt Candy Company. 189,661; Feb. 5.
Candy. Euclid Candy Co. 181,179; Feb. 5.
Candy. Max Glick Company. 186,954; Feb. 5.
Candy. B. L. Johnson & Co. 178,255; Feb. 5.
Candy. Loose-Wiles Biscuit Company. 189,253; Feb. 5.
Candy. Geo. C. Miller & Co. 189,259; Feb. 5.
Candy. A. G. Morse Co. 188,602; Feb. 5.
Candy. Schutter-Johnson Candy Company. 187,961; Feb. 5.
Candy, canned goods, olives, etc. United Wholesale Grocery Co. 172,851; Feb. 5.
Canned fruits. Northwest Fruit Products Co. 184,677; Feb. 5.
Canned fruits and vegetables. Nielsen Packing Co. 181,850–1; Feb. 5.
Canned fruits and vegetables and dried fruits. E. A. Archibald, jr. 189,701; Feb. 5.
Canned goods, coffee, tea, etc. Keystone Company of San Jose. 184,077; Feb. 5.
Canned salmon. American Packing Company. 189,294; Feb. 5.
Canned shrimp. Davenport-Brooks Corporation. 189,452; Feb. 5.
Cereal, Breakfast. Germ-O-Health Cereal Company. 186,900; Feb. 5.
Cheese. J. H. Wheeler. 188,725; Feb. 5.
Coffee. R. J. Thornton & Co. 189,741; Feb. 5.
Coffee, Roasted. Crump & Field. 187,803; Feb. 5.
Coffee substitute. Health-O Company. 166,302; Feb. 5.
Confections. Elmer Candy Co. 178,558; Feb. 5.
Cookies. J. S. Ivins' Son, Inc. 186,133; Feb. 5.
Crackers. Iten Biscuit Co. 186,130; Feb. 5.
Feed, Poultry. Eagle Roller Mill Co. 188,111; Feb. 5.
Fish and fish products, etc. Hess Bros. 176,183; Feb. 5.
Fish, crabs, crab meat, etc., Fresh. Birdseye Seafoods, Inc. 181,975; Feb. 5.
Flavoring. Albers Company. 184,316; Feb. 5.
Flour, Corn. Corn Products Refining Company. 182,568; Feb. 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Flour, Self-rising. Nashville Roller Mills. 187,756; Feb. 5.
Flour, Wheat. Barber Milling Company. 189,029; Feb. 5.
Flour, Wheat. D. W. Dietrich. 182,297; Feb. 5.
Flour, Wheat. Rodney Milling Company. 187,386; Feb. 5.
Flour, Wheat. Seattle Flour Mills. 170,999; Feb. 5.
Flour, Wheat. Sperry Flour Company. 188,503; Feb. 5.
Food, Cereal breakfast. W. J. Harrison Company. 184,940; Feb. 5.
Fruits and grapes, Fresh deciduous. Biola Green Fruit Exchange. 180,517; Feb. 5.
Fruits and meats. F. Briggs. 154,720; Feb. 5.
Fruits, Fresh citrous and deciduous. Lindsay Farm Bureau Fruit Association. 189,570; Feb. 5.
Grapes, Fresh. Sanger Fruit Growers Association. 189,586; Feb. 5.
Guava paste, guava jelly, and tomato purée. J. Franquiz. 183,520; Feb. 5.
Gum, Chewing. Earle-Grigg, Inc. 187,455; Feb. 5.
Ice-cream container, Edible. Friel & Friel. 187,620; Feb. 5.
Lard. Alberto Vales Company. 183,047; Feb. 5.
Lees and fresh yeast. Aktieselskabet de Danske Spritfabrikker. 162,977; Feb. 5.
Marmalade, jams, and jellies, Orange. North Ontario Packing Company. 179,481; Feb. 5.
Milk and milk cultures. V. Christensen. 184,435; Feb. 5.
Miso, koji, shoyu, and rice vinegar. Fujimoto Co. 180,927; Feb. 5.
Oranges. Oberholtzer Packing Company. 184,256; Feb. 5.
Pop corn and peanuts, Candied. Fletcher-Wilson Coffee Company. 187,922; Feb. 5.
Salad dressing and vegetable relish. Henard Mayonnaise Company. 187,215; Feb. 5.
Salad dressing, French. Charles F. Mattiage & Sons, Inc. 181,031; Feb. 5.
Tea and coffee. H. G. Hill Company. 165,285; Feb. 5.

CLASS 48.

Beer, malt cereal beverage, and malt extracts, Near. Pabst Corporation. 185,262; Feb. 5.

CLASS 50.

Window transparencies, Colored. W. H. Huff. 186,640; Feb. 5.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A-B Stove Company. (See Reedy, Alfred J., assignor.)
A C Spark Plug Company. (See Berge, Joseph, assignor.)
Abdiamo, Carlos L. T., Buenos Aires, Argentina. Scale. 1,482,959; Feb. 5.
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Shingle machine. 1,482,776; Feb. 5.
Ackerman, Walter L., Hollywood, assignor of one-half to Yale Corporation, Los Angeles, Calif. Producing stage effects. 1,482,831; Feb. 5.
Adams, Hugh R., et al. (See Stattmann, Walter A., assignor.)
Adams, Julius F., Pittsburgh, Pa. Electric heater. Des. 63,863; Feb. 5.
Adams, William H., assignor to Eastern Finishing Works, Incorporated, Kenyon, R. I. Textile fabric or article of similar nature. Des. 63,864; Feb. 5.
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Schlumpf, Edwin, assignor.)
Albert, Carl P., assignor to Greene Mfg. Co., Racine, Wis. Receptacle retainer for trunks. 1,482,878; Feb. 5.
Allen, Andrews, Chicago, Ill. Overturning mine cage. 1,482,536; Feb. 5.
Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 1,482,671; Feb. 5.
Allen, William H., Detroit, Mich. Powder for reducing irritation. 1,482,906; Feb. 5.
Aledorf, Frederick C., Columbus, Ohio. Manufacturing and laying bituminous sheet pavements and materials therefor. 1,482,960; Feb. 5.
Alter, Leo, Chicago, and G. Stanyo, Congress Park, Ill. Wreath. 1,482,537; Feb. 5.
American Abrasive Metals Company. (See Mowery, Harold W., assignor.)
American Exchange National Bank of Duluth, executor. (See Gow, Alexander M.)
American Fibre Chair Seat Corp. (See Daum, Charles, assignor.)
American Safety Device Company. (See Johnston, Frank B., assignor.)
American Smelting and Refining Company. (See Easter, Henry F., assignor.)
American Smelting & Refining Company. (See Grabill, Clarence A., assignor.)
American Steel and Wire Company of New Jersey, The. (See Boley, Ernst, assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Baxter P., assignor.)
Ames, Adelbert, jr., Hanover, N. H. Forming images and photograph produced thereby. 1,482,502; Feb. 5.
Ames, Adelbert, jr., Hanover, N. H. Photographic-lens system. 1,482,503; Feb. 5.
Anderson, Albert C., Antonito, Colo. Pump. 1,482,376; Feb. 5.
Anderson, Paul H. (See Seaboyer, G. E., and Anderson.)
Armstrong, John J., Los Angeles, Calif., assignor of one-half to R. B. Booth, Honolulu, Hawaii. Hose coupling. 1,482,722; Feb. 5.
Arnold, Thomas A., Tacoma, Wash. Emergency brake for motor vehicles. 1,482,538; Feb. 5.
Arthur, John E., and C. L. Moody, Lane, Ill. Boring machine. 1,482,879; Feb. 5.
Associated Trading Corporation. (See Sanborn, John B., assignor.)
Atkinson, Harry L., San Francisco, Calif. Follower-block mounting. 1,482,832; Feb. 5.
Atlas Powder Company. (See Converse, Leroy S., assignor.)
Atwood Machine Company. (See Bradley, Edward E., assignor.)
Aus, Herman C. L., Hamilton, Newcastle, New South Wales, Australia. Insectproof sliding-sash window. 1,482,426; Feb. 5.
Auster, Louis and M., New York, N. Y. Bathing cap. 1,482,723; Feb. 5.
Auster, Marie. (See Auster, Louis and M.)
Auto Mail Distributer, Inc., The. (See Barry, William, assignor.)
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric coupler. 1,482,833; Feb. 5.
Averill, William H., assignor to Bell Clip Manufacturing Company, Boston, Mass. Display stand. Des. 63,865; Feb. 5.
Babcock & Wilcox Company, The. (See Pratt, Arthur D., assignor.)
Badische Anilin- & Soda-Fabrik. (See Mittasch, A., and Kircher, assignors.)
Bair, Joseph H., Philadelphia, Pa. Counter. 1,482,539; Feb. 5.
Banitt, John N., and J. Thiemann, Goodhue, Minn. Bank-teller's window guard. 1,482,961; Feb. 5.
Banks, Walter W., Salem, N. J. Bridge for billiard and pool tables. 1,482,962; Feb. 5.
Barber Asphalt Paving Company, The. (See Ritter, George, assignor.)
Barber-Colman Company. (See Hathaway, E. F., and Lea, assignors.)
Baron, Charles S., Tiffin, Ohio. Liquid container and top. 1,482,724; Feb. 5.
Barons, Grace B., Rochester, N. Y. Toy animal. Des. 63,866; Feb. 5.
Barry, William, Oswego, assignor to The Auto Mail Distributer, Inc., Syracuse, N. Y. Mail-distributing apparatus. 1,482,834; Feb. 5.
Bartlett, George S. (See Bickel, Joseph W., assignor.)
Barton, Ben D., Jackson, Mich. Power attachment for motor vehicles. 1,482,880; Feb. 5.
Batcheller, Birney C., Brooklyn, N. Y., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Bag-turning machine. 1,482,377; Feb. 5.
Batcheller, Hugh W., Worcester, Mass. Lamp holder for automobile hoods. 1,482,454; Feb. 5.
Batcheller, Hugh W., Worcester, Mass., assignor to Worcester Electric Supply Company. Dash lamp. Des. 63,867; Feb. 5.
Batchelor, William N., Baltimore, Md. Deposit and collection receptacle for milk bottles. 1,482,378; Feb. 5.
Bates, C. J., & Son. (See Korhammel, Otto J., assignor.)
Bates, Thomas O., Liverpool, England. Machinery for making wafer biscuits, cup wafers, and similar articles from liquid. 1,482,963; Feb. 5.
Battle Creek Box Co. (See Cummings, Charles A., assignor.)
Bausch & Lomb Optical Company. (See Hart, Edwin, assignor.)
Baxter, Harry, Newman, Ill. Grain-bundle shocker. 1,482,594; Feb. 5.
Bechtel, John, sr., Earlham, Iowa. Fan. 1,482,504; Feb. 5.
Bechtol, Archie H., Memphis, Tenn., and W. A. Tratsch, Chicago, Ill. Target for amusement devices. 1,482,725; Feb. 5.
Beckwith Company, The. (See Howes, George W., assignor.)
Becton, Ida M., East Rutherford, N. J. Apron. 1,482,777; Feb. 5.
Bell Clip Manufacturing Company. (See Averill, William H., assignor.)
Bellis Heat Treating Company, The. (See Collins, Charles S., assignor.)
Belt, Fred R., assignor to Fred R. Belt Company, Chicago, Ill. Miner's lamp. Des. 63,868; Feb. 5.
Belt, Fred R., Company. (See Belt, Fred R., assignor.)
Bemis Bro. Bag Co. (See Batcheller, Birney C., assignor.)
Benedict, Hershel A., East Orange, and E. M. Moller, Jersey City, N. J. Anchor. 1,482,964; Feb. 5.
Benjamin, E. V., Company, The. (See Goben, Edward G., assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Gross Company. (See Fiedler, Louis, assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Signal device for automobiles. 1,482,540; Feb. 5.
Berge, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,482,595; Feb. 5.
Berge, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Odometer mechanism. 1,482,596; Feb. 5.
Berge, Joseph, assignor to A C Spark Plug Company, Flint, Mich. Speedometer. 1,482,597; Feb. 5.

Berggren, Per J., Chicago, Ill. Telescope adjustment. 1,482,881; Feb. 5.
Bergner, Jean, Dusseldorf, Germany. Float-controlled valve. 1,482,505; Feb. 5.
Berlin, Harry S., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 63,869; Feb. 5.
Berry, Edward R., Malden, Mass., assignor to General Electric Company. Quarts working. 1,482,455; Feb. 5.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channeling machine. 1,482,379; Feb. 5.
Best, C. L., Gas Traction Company. (See Best, Clarence L., assignor.)
Best, Clarence L., San Leandro, assignor to C. L. Best Gas Traction Company, San Leandro, Calif. Traction engine. 1,482,726; Feb. 5.
Bevan, Llewellyn E. W., Salisbury, Southern Rhodesia, South Africa. Bacteriological test apparatus. 1,482,966; Feb. 5.
Bianchi, Attilio. (See Occhipinti, G., and Bianchi.)
Bickel, Joseph W., Chicago Heights, assignor of one-half to G. S. Bartlett, Evanston, Ill. Meter. 1,483,039; Feb. 5.
Bierman, Edwin W., assignor to Standard Four Tire Company, Keokuk, Iowa. Automobile tire. Des. 63,870; Feb. 5.
Bigoney, Thomas W., Philadelphia, Pa. Shoe heel. 1,482,456; Feb. 5.
Bigoney, Thomas W., Philadelphia, Pa. Shoe heel. 1,482,457; Feb. 5.
Black, Elmer A., Louisville, Ky. Pool-ball cabinet. 1,482,965; Feb. 5.
Blakney, John H., assignor to Lournay, Inc., Milwaukee, Wis. Cologne bottle. Des. 63,871; Feb. 5.
Blaw-Knox Company. (See Shipman, William P., assignor.)
Blodgett, Charles L., Alameda, assignor of one-half to M. L. Larsen, Oakland, Calif. Book-locking device. 1,482,781; Feb. 5.
Blot, Paul, assignor to Societe Blot-Garnier & Chevalier, Paris, France. Electromechanical lamp. 1,483,055; Feb. 5.
Boley, Ernst, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Dies. 1,482,835; Feb. 5.
Boney, Ashton M. (See Bunker, J. W., and Boney.)
Bonier, Louis P., Woonsocket, R. I. Combined receptacle and cutting board. 1,483,040; Feb. 5.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,482,782; Feb. 5.
Boone, Daniel, Mining Machine Company. (See Hess, Louis F., assignor.)
Booth, Robert B. (See Armstrong, John J., assignor.)
Borchers, Julius, New York, N. Y. Box and making the same. 1,482,727; Feb. 5.
Boucher, Donat P., Northbridge, Mass. Paper bag. 1,482,783; Feb. 5.
Bound Brook Oil-Less Bearing Company. (See Shoemaker, George A., assignor.)
Boutin, Stanley, assignor to W. E. Gilbert, G. H. Empsall, and H. Duckworth, trustees, doing business as Duckworth Chain & Manufacturing Company, Springfield, Mass. Feeding and delivering mechanism. 1,482,427; Feb. 5.
Bowmar, Gershon, Toronto, Ontario, Canada. Insulating head for pistons. 1,482,778; Feb. 5.
Boye, James H., Chicago, Ill. Holder for drinking glasses. Des. 63,872; Feb. 5.
Bracco, Rose F., Chicago, Ill. Satchel clip. 1,482,728; Feb. 5.
Bradford, Thomas R., Sturgis, Mich. Child's cart. 1,482,506; Feb. 5.
Bradley, Edward E., assignor to Atwood Machine Company, Stonington, Conn. Stop motion. 1,482,779; Feb. 5.
Braisted, Le Roy, Wellesley, assignor to Milford Iron Foundry, Milford, Mass. Welded column and making it. 1,482,541; Feb. 5.
Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
Brierton, Benjamin E., Birmingham, Ala. Optometrical instrument. 1,482,967; Feb. 5.
Brooks, Albert E., Everett, Wash. Seal. 1,482,672; Feb. 5.
Brooks, William J., assignor to G. H. Harvey, Middletown, Ohio. Valve. 1,483,041; Feb. 5.
Brooks, Winfield L., and W. M. Smith, Worcester, Mass., assignors to Royal Worcester Corset Company. Sewing-machine attachment for spiral stitching. 1,482,907; Feb. 5.
Brown, Frank A., Kansas City, Mo. Key holder. 1,482,673; Feb. 5.
Brown, John R., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Float for steam traps and the like. 1,482,832; Feb. 5.
Brubaker, Henry J. and J. B., San Dimas, Calif. Irrigating valve. 1,482,836; Feb. 5.
Brubaker, John B. (See Brubaker, Henry J. and J. B.)
Brunsman, Walter J., Cincinnati, Ohio. Automobile curtain. 1,482,458; Feb. 5.
Brush, Alanson P. (See Nacker, Owen M., assignor.)
Bryant Electric Company, The. (See Catlin, Hoyt, assignor.)
Bryant Electric Company, The. (See Ullrich, Emil H. W., assignor.)
Buchanan, Corrinne N., assignor of one-half to L. Daniels, Everson, Wash. Tongs. 1,482,380; Feb. 5.
Buchwald, Henry C., Baltimore, Md. Braking mechanism for wheeled vehicles. 1,482,729; Feb. 5.
Buck, David D., assignor of one-half to O. C. Lovett, Flagler, Colo. Manicuring device. 1,482,837; Feb. 5.
Buckley, Arthur B., Cairo, Egypt. Transmitter for electric recording and signaling system. 1,482,968; Feb. 5.
Buettner, William J., Carnegie, Pa. Bushing for tubular radiators. 1,482,542; Feb. 5.
Bugge, Peter A., Seattle, Wash. Saw set. 1,482,780; Feb. 5.
Bulger, Joseph H., Los Angeles, Calif. Drop ladder. 1,482,883; Feb. 5.
Bullington, Frank A., Kansas City, Mo. Rotary internal-combustion engine. 1,482,627; Feb. 5.
Bullington, Frank A., Portland, Oreg. Rotary engine. 1,482,628; Feb. 5.
Bullington, Frank A., Portland, Oreg. Rotary engine. 1,482,629; Feb. 5.
Bunker, John W., and A. M. Boney, assignors to Service Bag Co., Inc., New York, N. Y. Laminated structure. 1,482,908; Feb. 5.
Burford, Robert A., jr., Birmingham, Ala. Refrigerating system. 1,482,730; Feb. 5.
Burr, Harry J., New Hartford, assignor to Postcraft Company, Inc., Utica, N. Y. Stamp-affixing and envelope-sealing machine. 1,482,731; Feb. 5.
Busse, George A., Chicago, Ill. Spring repairer. 1,482,674; Feb. 5.
Butterbaugh, Ralph B., assignor to R. E. Hauser, Minneapolis, Minn. Pneumatic tool. 1,482,543; Feb. 5.
Caban, Jacob M., Philadelphia, Pa. Mail receptacle. 1,482,459; Feb. 5.
Cake, Horace M., Philadelphia, Pa. Propulsion mechanism. 1,482,381; Feb. 5.
Calkins, James B., Auburn, assignor to M. E. Calkins, Ithaca, N. Y. Winding apparatus. 1,482,909; Feb. 5.
Calkins, Marcus E. (See Calkins, James B., assignor.)
Callejas, José M., Habana, Cuba. Hydraulic motor. 1,482,545; Feb. 5.
Calleson, Amos, Brooklyn, N. Y. Apparatus for forming sheet-metal caps. 1,482,732; Feb. 5.
Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,482,733; Feb. 5.
Campbell, Sterling H., St. Louis, Mo. Coupler release rigging. 1,482,884; Feb. 5.
Campbell, Sterling H., St. Louis, Mo. Coupler release rigging. 1,482,885; Feb. 5.
Caps, Arthur W., Kansas City, Mo. Paper reel. 1,482,912; Feb. 5.
Caps, Arthur W., Topeka, Kans., assignor, by mesne assignments, to O. D. Collis, Clinton, Iowa. Clutch. 1,482,544; Feb. 5.
Carborundum Company, The. (See Hartmann, Miner L., assignor.)
Carlson, Walter C. E., Chicago, Ill. Extricating device for motor vehicles. 1,482,382; Feb. 5.
Caronti, Virgilio, Chicago, Ill. Performance pedestal. 1,482,910; Feb. 5.
Carrow, Claude C., Philadelphia, Pa. Pump. 1,482,734; Feb. 5.
Casale, Antonio J., and J. B. Simpson, Takoma Park, D. C., assignors to National Differential Manufacturing Company. Rear-axle construction. 1,482,838; Feb. 5.
Catlin, Hoyt, Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,482,911; Feb. 5.
Catsules, James, assignor of one-half to R. Feiser, West Hoboken, N. J. Kitchen utensil. 1,482,735; Feb. 5.
Catsules, James, West Hoboken, N. J. Fruit and vegetable knife. 1,482,736; Feb. 5.
Ceresole, Paul A. V., London, England. Contact breaker for internal-combustion engines. 1,482,969; Feb. 5.
Chambers, John A., Belfast, Ireland. Spring catch or fastener. 1,482,384; Feb. 5.
Chambers, Robert M., and J. Jackson, Belfast, Ireland. Sliding glass window. 1,482,383; Feb. 5.
Chandler, John, Chino, Calif. Fruit drier. 1,482,972; Feb. 5.
Childers, William L., assignor of one-half to C. L. Wells, Quincy, Ill. Piston. 1,482,675; Feb. 5.
China, Nettie J., Inglewood, Calif. Doll. Des. 63,873; Feb. 5.
Christianson, Andrew, et al. (See Orr, Herbert P., assignor.)
Churchill, Henry R., Buffalo, N. Y. Hinge for vehicle visors. 1,482,784; Feb. 5.
Cincinnati Coffin Company, The. (See Goke, P. J., and Kemper, assignors.)
Cissel, John F. (See Gallagher, George D., assignor.)
Clark, James H., and T. C. Whitehead, Detroit, Mich. Tractor wheel. 1,482,913; Feb. 5.
Clarke, Hal H., Cherokee, Okla. Tire alarm. 1,482,737; Feb. 5.
Cleeland, Roy A., Butler, Pa. Pencil or similar article. Des. 63,874; Feb. 5.
Clement, Adam J., et al. (See Lyon, Kyle, assignor.)
Cohen, Philip, Buffalo, N. Y. Shirt stud. 1,482,385; Feb. 5.
Cohn, Emil, Berlin, Germany. Pneumatic hammer, drilling machine, and the like. 1,482,507; Feb. 5.

Colihan, Thomas J., Girardville, Pa. Wrench. 1,482,508; Feb. 5.
Collins, Charles S., New York, N. Y., assignor, by mesne assignments, to The Bellis Heat Treating Company, New Haven, Conn. Crucible. 1,482,887; Feb. 5.
Collis, O. D. (See Caps, Arthur W., assignor.)
Colt, Martha S., Mount Wolf, Pa. Holder for cleaning devices. 1,482,886; Feb. 5.
Condon, Stephen, Spencer, Iowa. Carpenter's trestle. 1,482,598; Feb. 5.
Conley, Gardner L., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Candle. Des. 63,875; Feb. 5.
Conley, Gardner L., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Candle. Des. 63,876; Feb. 5.
Conley, Garner L., Chicago, Ill., assignor to Standard Oil Company, Whiting, Ind. Candle. Des. 63,877; Feb. 5.
Converse, Francis B., Norwalk, Conn. Instrument for tipping shoe laces. 1,482,888; Feb. 5.
Converse, Leroy S., assignor to Atlas Powder Company, Wilmington, Del. Manufacturing artificial-silk threads or other cellulose fibers. 1,482,386; Feb. 5.
Coolidge, Charles R., Helena, Ark. Cotton-boll-weevil exterminator. 1,482,785; Feb. 5.
Coombs, Arthur H., Atascadero, Calif., assignor of one-fourth to W. C. Hill, Washington, D. C. Building construction. 1,483,042; Feb. 5.
Cooper, Abraham, Brooklyn, N. Y. Electric chandelier. Des. 63,878; Feb. 5.
Cooper, Abraham, Brooklyn, N. Y. Electric chandelier. Des. 63,879; Feb. 5.
Costmeter Company. (See Quigley, John T., assignor.)
Cotton, Walter H., Chicago, Ill. Laundering machine. 1,482,839; Feb. 5.
Cragin, George P., Spokane, Wash. Shirt and cuffs therefor. 1,482,970; Feb. 5.
Cramer, Carl B., Los Angeles, Calif. Low-gear attachment for Fords. 1,482,973; Feb. 5.
Crankless Engines, (Aus) Proprietary Limited. (See Michell, Anthony G. M., assignor.)
Creamery Package Mfg. Company, The. (See Phillips, Everett A., assignor.)
Creamery Package Mfg. Company. (See Valerius, T. L., and Larsen, assignors.)
Crollus, Frederick J., Munhall, Pa. Steam-boiler furnace. 1,482,840; Feb. 5.
Crook, Jacob L., Topeka, Kans. Sliding door for cars. 1,482,841; Feb. 5.
Crosby, John A. (See Smith, E. R., and Crosby.)
Crotto, Frank E., assignor to Western Supply Company, Tulsa, Okla. Wire-line clamp. 1,482,460; Feb. 5.
Cullen, Peter M., Pittsburgh, Pa. Antispreading device. 1,482,676; Feb. 5.
Cuming, James S., St. Louis, Mo. Plural-socket plug. Des. 63,880; Feb. 5.
Cuming, James S., St. Louis, Mo. Plural-socket plug. Des. 63,881; Feb. 5.
Cummings, Charles A., assignor to Battle Creek Box Co., Battle Creek, Mich. Wirebound box. 1,482,971; Feb. 5.
Cureton, Edward H. (See Huntington, H. H., and Cureton.)
Curioni, Aldo, New York, assignor to Maurice Levy, New Rochelle, N. Y. Machine for making powder puffs. 1,482,630; Feb. 5.
Curtis, Frank C., Troy, N. Y. Lathering utensil. 1,482,546; Feb. 5.
Curtis, George W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Power-transmitting gearing. 1,482,599; Feb. 5.
Curtis, Lewis E., Warren, Ohio, assignor to Milwaukee Corrugating Company, Greenfield, Wis. Method of and machine for producing expanded sheet-metal articles. 1,482,600; Feb. 5.
Curtiss, George E., assignor to Landers, Frary and Clark, New Britain, Conn. Coffeepot or similar article. Des. 63,882; Feb. 5.
Daele, Ernest, New York, N. Y. Lock. 1,482,974; Feb. 5.
Dahl-Rode, Svein, Brooklyn, N. Y. Making water-softening material. 1,482,601; Feb. 5.
Daigle, Joseph J., Robertsville, New Brunswick, Canada. Can opener. 1,482,914; Feb. 5.
Dalton Adding Machine Company, The. (See Landsiedel, Walter W., assignor.)
Damschroeder, Frederick A. (See Grimes, Eugene E., assignor.)
Daniels, L. (See Buchanan, Corrinne N., assignor.)
Daum, Charles, Forest Hills, N. Y., assignor to American Fibre Chair Seat Corp., Long Island City, N. Y. Chair seat. Des. 63,883; Feb. 5.
Daum, George W., assignor to Pennsylvania Rubber Company, Jeannette, Pa. Vehicle tire. Des. 63,884; Feb. 5.
Davis, Burwell M., Raleigh, N. C. Shade bracket. 1,482,975; Feb. 5.
Davis, Cloyd, Mineola, N. Y. Dumping device for scrapers. 1,482,509; Feb. 5.
Davis, Elizabeth T., Long Beach, Calif. Lady's bag. Des. 63,885; Feb. 5.
Davis, Louis. (See Lord, W. S., and Davis.)
Daylight Film Corporation. (See John, Robert, assignor.)
Dayton Manufacturing Company, The. (See Kirby, John, jr., assignor.)
De Coninck, Marcel, Le Havre, France. Steam turbine. 1,482,602; Feb. 5.
Deere & Company. (See Stone, Charles N., assignor.)
Deere & Company. (See White, Charles H., assignor.)
Delaney, John F., Boston, Mass. Pipe wrench. 1,482,889; Feb. 5.
De Linieres, Louis, assignor by mesne assignments, to The Woodworker Manufacturing Co., Inc., Detroit, Mich. Woodworking machine. 1,482,631; Feb. 5.
Dell, Bradford A., assignor to Monarch Governor Company, Detroit, Mich. Governor for internal-combustion engines. 1,482,547; Feb. 5.
Dennis, Oliver C. (See Juline, Arthur, assignor.)
Diamond State Fibre Company. (See McIntosh, James, assignor.)
Dickerson, Adolph F., Schenectady, N. Y., assignor to General Electric Company. Lamp globe. Des. 63,886; Feb. 5.
Dickerson, Adolph F., Schenectady, N. Y., assignor to General Electric Company. Lamp globe. Des. 63,887; Feb. 5.
Diehl, Frederick, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Belt coupling. 1,482,461; Feb. 5.
Diehl Manufacturing Company. (See Diehl, Frederick, assignor.)
Dinkela, Gottlieb, Charlottenburg, near Berlin, Germany. Means for preventing self ignition of airships and the like. 1,482,642; Feb. 5.
Dodd Company, The. (See Goldrick, Albert R., assignor.)
Dodson, Carroll E., Kansas City, Mo. Vanity box. 1,482,786; Feb. 5.
Dolezal, Robert F., assignor of one-half to F. C. Whippey, Chicago, Ill. Window ventilator. 1,482,915; Feb. 5.
Donaldson, William J., assignor to The Visualatone Corporation, Philadelphia, Pa. Talking-machine picture exhibitor. 1,482,387; Feb. 5.
Dooley, Arthur F., Philadelphia, Pa. Windshield wiper. 1,482,428; Feb. 5.
Dorward, John G., San Francisco, Calif. Combination pump-rod guide, coupling, and valve cage. 1,482,842; Feb. 5.
Douglas, Henderson B., et al. (See Orr, Herbert P., assignor.)
Downer, Moses M., assignor to La Resista Corset Co., Bridgeport, Conn. Corset. 1,482,548; Feb. 5.
Downey, William H. J., Wilmington, Del. Toy. 1,482,976; Feb. 5.
Downey, William H. J., Wilmington, Del. Antiglare headlight for automobiles. 1,482,977; Feb. 5.
Doxford, Robert P. (See Keller, Karl O., assignor.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Dubsky, Francis, Pittsfield, Mass., assignor to General Electric Company. Electrical testing device. 1,482,462; Feb. 5.
Duckworth Chain & Manufacturing Company. (See Boutin, Stanley.)
Duckworth, Harold, et al, trustees. (See Boutin, Stanley, assignor.)
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Chase mounting. 1,482,738; Feb. 5.
Dugar, Delano H., Cleveland, Ohio. Tool holder. 1,482,916; Feb. 5.
Duket, John J., Toledo, Ohio. Clothesline lock. 1,482,388; Feb. 5.
Dunten, Charles J., Orcutt, Calif. Shale retort. 1,482,677; Feb. 5.
Du Paul, George H., assignor to Du Paul Young Optical Co., Southbridge, Mass. Temple for spectacles and the like. 1,482,739; Feb. 5.
Du Paul Young Optical Co. (See Du Paul, George H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kessler, Johannes M., assignor.)
Durno, John H., Rochester, N. Y. Motion-checking device. 1,482,917; Feb. 5.
Dutcher, Frank, Versailles, Pa. Compressible spring. 1,482,918; Feb. 5.
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Duval D'Adrian, Alexander L., Washington, Pa. Process of and mixture for making glass. 1,482,389; Feb. 5.
Easter, Henry F., Hayden, Ariz., assignor to American Smelting and Refining Company, New York, N. Y. Distribution of fuel. 1,482,549; Feb. 5.
Eastern Finishing Works, Incorporated. (See Adams, William H., assignor.)
Eastman Kodak Company. (See Sulzer, Albert F., assignor.)
Eden, James A., jr., Springfield, Mass., assignor to W. H. Foster, New York, N. Y. Feed mechanism for boltturning and other machines. 1,482,390; Feb. 5.
Edwards, Josiah P., Spiceland, Ind. Window shade. 1,482,978; Feb. 5.
Edwards, Maurice F., Bolton, England. Tipping gear for motor road vehicles. 1,482,510; Feb. 5.
Eidmann, Frank L., assignor to J. L. Wyckoff, E. N. White, and G. F. Jenks, Holyoke, Mass., trustees. Elevating truck. 1,482,429; Feb. 5.
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Ellis, Carleton, Montclair, N. J. Catalyzer and making same. 1,482,740; Feb. 5.

Ellis, Carleton, Montclair, and H. M. Weber, Bloomfield, N. J., assignors to Ellis-Foster Company. Making resinous materials. 1,482,919; Feb. 5.
Ellis, Carleton. (See Huxham, Trevor S., assignor.)
Ellis-Foster Company. (See Ellis, C., and Weber, assignors.)
Ellis, John A., Iberville, Quebec, Canada. Ice breaker. 1,482,511; Feb. 5.
Empsall, George H., et al, trustees. (See Boutin, Stanley, assignor.)
Emrick, Frank C., Kalamazoo, Mich. Control valve for hydraulic apparatus. 1,482,463; Feb. 5.
English, Fred L., New London, Conn. Cutting and creasing press. 1,482,391; Feb. 5.
Erving, Andrew V., Detroit, Mich. Birdcage stand. Des. 63,888; Feb. 5.
Esoph, George, jr., Tennis, S. Dak. Valve. 1,482,550; Feb. 5.
Etheridge, Harry C., Waco, Tex. Door hook. 1,482,643; Feb. 5.
Eurich, Harry E. (See Sisson, C. F., and Eurich.)
Ewan, Virgil L., Flemingsburg, Ky. Traction attachment for tractor wheels. 1,482,430; Feb. 5.
Fagan, George H., Bloomfield, N. J. Turning and drilling machine. 1,482,979; Feb. 5.
Fahnestock, Charles M., assignor to The "Save-M" Fire Extinguisher Company, Cincinnati, Ohio. Fire extinguisher. 1,481,043; Feb. 5.
Farrell, Ernest, Salford, Manchester, England. Apparatus for impregnating fabrics with a mercerizing or other liquid. 1,483,000; Feb. 5.
Faulhaber, Frederick A., jr., East Orange, N. J. Electric-lamp socket. 1,482,603; Feb. 5.
Fay, Richard D., Nahant, Mass., assignor to Submarine Signal Company, Portland, Me. Direction detector for submarine sounds. 1,482,980; Feb. 5.
Feck, Frank E., Morgantown, W. Va. Pitcher or similar article. Des. 63,889; Feb. 5.
Federal Electric Company. (See Gilchrist, John F., assignor.)
Feiser, Rudolf. (See Catsules, James, assignor.)
Fergusson, Alan R. (See Fergusson, Constance T. and A. R.)
Fergusson, Alan R., Buffalo, N. Y. Toy railway cross over. 1,482,632; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway switch. 1,482,633; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy switch. 1,482,634; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway. 1,482,635; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway. 1,482,636; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway. 1,482,637; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway. 1,482,638; Feb. 5.
Fergusson, Alan R., Buffalo, N. Y. Toy railway cross-over. 1,482,639; Feb. 5.
Fergusson, Alan R., and C. T., Buffalo, N. Y. Switch mechanism for toy railways. 1,482,640; Feb. 5.
Fergusson, Constance T. (See Fergusson, Alan R., and C. T.)
Fergusson, Constance T. and A. R., Buffalo, N. Y. Toy or miniature railway. 1,482,641; Feb. 5.
Ferris, Walter. (See Young, L. F., and Ferris.)
Fiedler, Louis, assignor to Benjamin Gross Company, Inc., New York, N. Y. Finger ring or article of similar nature. Des. 63,890; Feb. 5.
Fields, William W. (See Johnson, C. E., and Fields.)
Figley, Newton C., Los Angeles, Calif. Fisherman's dry flyleaf book. 1,482,678; Feb. 5.
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Fish, Edward H., Spokane, Wash. Railway-tie puller. 1,482,981; Feb. 5.
Fish, Job, jr. (See Zederbaum, M. C., Fish, and Kirchenbauer.)
Fitch, Benjamin F., Evanston, Ill. Removable automobile body. 1,482,604; Feb. 5.
Fjeldstrom, Walton, Kenaston, Saskatchewan, Canada. Lubricant container. 1,482,843; Feb. 5.
Flauder, Alfred J., Bridgeport, Conn. Salt and pepper shaker. Des. 63,891; Feb. 5.
Flegel, Harrison D., Racine, Wis. Sewing-machine-motor bracket. 1,482,464; Feb. 5.
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Earth-boring drill. 1,482,787; Feb. 5.
Flinchbaugh, Frederick T., York, Pa. Cylinder-reboring machine. 1,483,061; Feb. 5.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Carriage brake mechanism for typewriting machines. 1,482,512; Feb. 5.
Forestier, Edward H. (See Lang, A., and Forestier.)
Forsyth, Roy M., assignor of one-half to O. F. Pattberg, Gouverneur, N. Y. Motion-picture apparatus. 1,482,844; Feb. 5.
Foster, Walter H. (See Eden, James A., jr., assignor.)
Fowler, Oliver R., Baldwin, Ga. Combination tool. 1,482,982; Feb. 5.
Frank, Harrison L., assignor to Mutual Electric and Machine Company, Detroit, Mich. Switch-control device. 1,482,920; Feb. 5.
Frank, Harry S., Woodmere, N. Y. Measuring piston rings. 1,482,392; Feb. 5.
Frank, Paul M., New York, N. Y. Dress separator. 1,483,058; Feb. 5.
Free, John W., Woodlawn, Pa. Transfer apparatus. 1,482,921; Feb. 5.
Freeman-Daughaday Co. (See Roberts, George H., assignor.)
Freysinger, John B., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,482,788; Feb. 5.
Friesell, Frank M., San Francisco, Calif. Box-car-door hanger. 1,482,431; Feb. 5.
Fulper, William H., Flemington, N. J. Bell. Des. 63,892; Feb. 5.
Furste, Henry, assignor to The United States Printing and Lithographing Company, Cincinnati, Ohio. Carton. 1,482,890; Feb. 5.
Gallagher, George D., assignor to J. F. Cissel, Washington, D. C. Savings bank. 1,482,983; Feb. 5.
Gallagher, Peter J., Jersey City, N. J. Cigarette-rolling apparatus. 1,482,644; Feb. 5.
Gallagher, Thomas H., Crafton, assignor to Twin Packer Oil and Gas Company, Pittsburgh, Pa. Oil-well agitator. 1,482,845; Feb. 5.
García, José D., Buenos Aires, Argentina. Cigarette holder or the like. 1,482,984; Feb. 5.
Gardner, Frederic E., Beloit, Wis. Grinding machine. 1,482,465; Feb. 5.
Geskins, Palemon H., Jacksonville, Fla. Lubricating system. 1,482,645; Feb. 5.
Gates, Major E., Terra Cotta, Ill. Machine for making terra-cotta blocks. 1,482,646; Feb. 5.
Gathright, Eldridge M. (See Klingon, L. E., and Gathright.)
Geib, William, assignor to International Silver Company, Meriden, Conn. Bowl or similar article. Des. 63,893; Feb. 5.
Gehrke Knitting Mills, et al. (See Gilardone, Joseph C., assignor.)
Gellenbeck, John W. (See Germain, G. A., and Gellenbeck.)
General Electric Company. (See Berry, Edward R., assignor.)
General Electric Company. (See Dickerson, Adolph F., assignor.)
Ghegan, John J., East Orange, N. J. Faradic medical apparatus. 1,482,891; Feb. 5.
Giant Resilient Wheel Company. (See Wack, Arthur D., assignor.)
Giesy, Paul M., Plainfield, N. J., assignor to E. R. Squibb and Sons, New York, N. Y. Dentifrice material. 1,482,741; Feb. 5.
General Electric Company. (See Dubsky, Francis, assignor.)
Gilardone, Joseph C., assignor of one-third to S. S. Miller and one-third to Gehrke Knitting Mills, Reading, Pa. Embroidering machines. 1,482,679; Feb. 5.
General Motors Corporation. (See Richard, Eugene C., assignor.)
Gilardone, Joseph C., Reading, Pa., assignor of one-third to S. S. Miller and one-third to Gehrke Knitting Mills, Reading, Pa. Stock-holding frame for embroidering machines. 1,482,680; Feb. 5.
Gilbert, William E., et al., trustees. (See Boutin, Stanley, assignor.)
Gilchrist, John F., assignor to Federal Electric Company, Chicago, Ill. Combination washing machine and table. 1,482,742; Feb. 5.
Germain, George A., and J. W. Gellenbeck, St. Paul, Minn. Hot-air furnace. 1,482,551; Feb. 5.
Gise, Allison D., Coffeyville, Kans. Pencil holder. 1,482,647; Feb. 5.
Glaser, Roy W., Burlington, Wis. Drinking fountain. 1,482,466; Feb. 5.
Glenn, John C., assignor to Skinner Engine Company, Erie, Pa. Engine-valve mechanism. 1,482,393; Feb. 5.
Gmelin, Eugene C., Chicago, Ill. Making glass letters. 1,482,789; Feb. 5.
Gmelin, Eugene C., Chicago, Ill. Illuminated sign. 1,482,790; Feb. 5.
Goben, Edward G., assignor to The E. V. Benjamin Company, Inc., New Orleans, La. Folding machine. 1,482,605; Feb. 5.
Godwin, Oby A., Birmingham, Ala. Spark plug. 1,482,552; Feb. 5.
Goebner, Frederick R., Utica, N. Y. Cover for tires. 1,482,892; Feb. 5.
Goke, Paul J., and G. L. Kemper, assignors to The Cincinnati Coffin Company, Cincinnati, Ohio. Device for burnishing metallic articles. 1,482,923; Feb. 5.
Goldrick, Albert R., assignor to The Dodd Company, Cleveland, Ohio. Drafting instruments. 1,482,606; Feb. 5.
Goodchild, Euclid P., Spokane, Wash. Music-leaf turner. 1,482,682; Feb. 5.
Goodyear Tire & Rubber Company, The. (See Howes, Robert T., assignor.)
Goulet, Omer C., assignor of one-half to A. E. Perron, Fall River, Mass. Lever chock. 1,482,985; Feb. 5.
Gow, Alexander M., deceased, Duluth, Minn.; American Exchange National Bank of Duluth, executor. Agitation separator. 1,482,607; Feb. 5.
Grabill, Clarence A., El Paso, Tex., assignor to American Smelting & Refining Company. Furnace oil blast. 1,482,553; Feb. 5.

Grasberger, Boniface A., Richmond, Va. Dish. Des. 63,894; Feb. 5.
Grasberger, Boniface A., Richmond, Va. Dish. Des. 63,895; Feb. 5.
Gredell, Otto N., East Kansas City, Mo. Acetylene generator. 1,482,513; Feb. 5.
Green Engineering Company. (See Marsh, Thomas A., assignor.)
Green, Hannes, Racine, Wis. Toy davenport. 1,482,922; Feb. 5.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,483,056; Feb. 5.
Greene Mfg. Co. (See Albert, Carl P., assignor.)
Greenfield Tap and Die Corporation. (See Morgan, Ralph L., assignor.)
Griffin, Leonard F., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of shaping uppers. 1,482,394; Feb. 5.
Grijalva, Joseph, Los Angeles, Calif. Shock absorber. 1,482,681; Feb. 5.
Grimes, Eugene E., assignor to F. A. Damschroeder, Tiffin, Ohio. Drain gate. 1,482,986; Feb. 5.
Grover, Charles R., Nashua, N. H. Safety pedestal. 1,482,743; Feb. 5.
Guérin, Maurice, Paris, France. Commercial preparation of aminophenylarsonic acids. 1,482,514; Feb. 5.
Gulf Refining Company. (See McAfee, Almer M., assignor.)
Gundlach, Ernest T., Chicago, Ill. Amusement device. 1,482,554; Feb. 5.
Gustavsen, Oscar P., et al. (See Nesbitt, Herbert S., assignor.)
Haaga, Emil, Stuttgart, Germany. Sinker guide for knitting frames. 1,482,395; Feb. 5.
Hafer, Guy M., assignor to Hoskins Manufacturing Company, Detroit, Mich. Regulator. 1,482,791; Feb. 5.
Hainline, Herbert M., Sciota, Ill. Combination lock. 1,482,515; Feb. 5.
Hall, Allen E., assignor to Hall Wheel Corporation, Philadelphia, Pa. Mold for making fabric disks for vehicle wheels. 1,482,555; Feb. 5.
Hall, John A., Lebanon, Ohio. Device for controlling drawn implements from the seat of a tractor. 1,482,556; Feb. 5.
Hall Wheel Corporation. (See Hall, Allen E., assignor.)
Hamilton, Baxter P., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Composite signaling system. 1,482,557; Feb. 5.
Hamilton, Baxter P., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current signaling apparatus. 1,482,558; Feb. 5.
Hamshaw, Clarence M., Santa Clara, Calif. Transmission mechanism. 1,482,608; Feb. 5.
Hannaford, Cleon M., Richmond, Va. Angle-clock holder and train-pipe clamp. 1,482,987; Feb. 5.
Hannaford, Cleon M., Richmond, Va. Holder for angle cocks. 1,482,988; Feb. 5.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Apparatus for channeling rock. 1,482,396; Feb. 5.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Core breaker. 1,482,397; Feb. 5.
Harrah, Philip J., Bloomfield, Ind. Pole pusher. 1,482,846; Feb. 5.
Harrington, Bertie S., Fort Worth, Tex. Measuring and filling machine. 1,482,467; Feb. 5.
Harshberger, Kathleen W., Wauwatosa, Wis. Doll. Des. 63,896; Feb. 5.
Hart, Edwin, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens mount for optical instruments. 1,482,893; Feb. 5.
Hart, Harry S., Chicago, Ill. Hopper car. 1,482,559; Feb. 5.
Hartman-Spreng Company, The. (See Taylor, John R., assignor.)
Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Treating the surfaces of crystalline mineral materials. 1,482,792; Feb. 5.
Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Treating the surfaces of crystalline mineral materials. 1,482,793; Feb. 5.
Harvey, George B. (See Brooks, William J., assignor.)
Haskell, Broderick, Franklin, Pa. Brake head. 1,482,609; Feb. 5.
Haskell, Broderick, Franklin, Pa. Brake support. 1,482,610; Feb. 5.
Hathaway, Edgar F., and C. Lea, Dorchester, Mass., assignors, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Textile machine. 1,482,648; Feb. 5.
Hauser, Reuben E. (See Butterbaugh, Ralph B., assignor.)
Haviland, Theodore, & Co. (See Haviland, William D., assignor.)
Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 63,897; Feb. 5.
Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Bowl or similar article. Des. 63,898; Feb. 5.
Hayden, Esther, East Jordon, Mich. Seed-corn rack. 1,482,649; Feb. 5.
Hebb, John I. C., Bridgewater, Nova Scotia, Canada. Internal-combustion engine. 1,482,650; Feb. 5.
Heffernan Brush Company. (See Heffernan, William H., assignor.)
Heffernan, William H., North Adams, Mass., assignor to Heffernan Brush Company, Inc., Adams, Mass. Brush. 1,482,744; Feb. 5.
Heid, Gilliman A., Goble, Oreg. Pole-setting device. 1,482,745; Feb. 5.
Heinicke, Milton H., Port Ivory, N. Y. Spring wheel. 1,482,746; Feb. 5.
Heinrichs, Berg, assignor to Mid-West Box Company, Anderson, Ind. Machine for making corrugated board. 1,482,894; Feb. 5.
Hendrichsen, Christ, jr., Wilmette, and E. A. Luney, Evanston, Ill. Gas regulator. 1,482,895; Feb. 5.
Hering, Leslie F., Launceston, Tasmania. Appliance for clamps or cramps and the like. 1,482,989; Feb. 5.
Hershiser, Orel L., Kenmore, N. Y. Cage for transporting and introducing bees. 1,482,468; Feb. 5.
Hescock, Ethan N., Westfield, N. J., assignor to New Jersey Foundry and Machine Company. Portable elevator. 1,482,924; Feb. 5.
Hess, Louis F., Ansted, W. Va., assignor to Daniel Boone Mining Machine Company. Auger. 1,482,900; Feb. 5.
Hewes, James A., Melrose, assignor to Hewes & Potter, Boston, Mass. Man's neckwear. 1,482,560; Feb. 5.
Hewes & Potter. (See Hewes, James A., assignor.)
Hibbard Process Corporation. (See Pulliam, Oswald S., assignor.)
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
High, Matthew A., Anderson, Ind. Sanitary waiter. 1,482,925; Feb. 5.
Hileman, Albert T., Newark, Del. Stock regulator. 1,482,991; Feb. 5.
Hildebrand, Frank F., Richmond, Va. Attachment for lawn mowers. 1,482,432; Feb. 5.
Hill, Wendell C. (See Coombs, Arthur H., assignor.)
Hillyard, Newton S., St. Joseph, Mo. Refuse receptacle. 1,482,926; Feb. 5.
Hintze, Raymond S. (See Hoffman, W. G., and Hintze.)
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hodgkin, Bertha E., Russellville, Ind. Cup. 1,482,561; Feb. 5.
Hoffbauer, August, Brooklyn, N. Y. Insect trap. 1,482,992; Feb. 5.
Hoffman, Leon F., and H. C. Wasson, Franklin, Pa. Water-regulating system for air compressors. 1,483,044; Feb. 5.
Hoffman, William G., and R. S. Hintze, Chicago, Ill. Coin-mailing card. 1,482,433; Feb. 5.
Hofmann, J. Emil, assignor of one-half to H. J. Reha, Orient, Iowa. Attachment for corn shellers. 1,482,516; Feb. 5.
Holtsinger, Francis A., Ottumway, Iowa. Headlight shade. 1,482,794; Feb. 5.
Homer, Corrine. (See Homer, Joseph, assignor.)
Homer, Joseph, Boston, assignor to C. Homer, Brookline, Mass. Dental articulator or relator. 1482,993; Feb. 5.
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopkins, Stiles. (See Wells, Ernest D., assignor.)
Hortvet, Julius, Minneapolis, Minn. Sublimator. 1,482,684; Feb. 5.
Hoskins Manufacturing Company. (See Hafer, Guy M., assignor.)
Hotchkiss, Mark S., Johnson City, N. Y. Concrete-wall form. 1,482,434; Feb. 5.
Howe, Frank M., New York, N. Y. Spraying outfit. 1,482,747; Feb. 5.
Howes, George W., assignor to The Beckwith Company, Dowagiac, Mich. Gas stove. 1,482,897; Feb. 5.
Howes, Robert T., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 63,899; Feb. 5.
Hoyt, Homer J., assignor to Morgan & Wright, Detroit, Mich. Tire. Des. 63,900; Feb. 5.
Huber, John, Bellwood, Pa. Sheet-metal-bending dies. 1,482,927; Feb. 5.
Hudnut, Richard. (See Pennock, Charles A., assignor.)
Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Adjustment-indicating means for photographic-printing apparatus and other apparatus. 1,482,562; Feb. 5.
Hughes, Ora C., Villa Ridge, Ill. Dirigible-headlight construction for motor vehicles. 1,482,683; Feb. 5.
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hultgren, Axel G. E., Gottenborg, Sweden. Superhardened steel and producing the same. 1,482,563; Feb. 5.
Hunt, Seth B., trustee. (See Mann, Matthew D., jr., assignor.)
Huntington, Hiram H., and E. H. Cureton, Richmond, Ind. Sprocket wheel. 1,482,896; Feb. 5.
Hutter, Franz, New York, N. Y., assignor to The McCall Company. Cover for magazines and the like. 1,482,928; Feb. 5.
Huxham, Trevor S., Bloomfield, assignor, by mesne assignments, to C. Ellis, Montclair, N. J. Ketonic resin and making same. 1,482,929; Feb. 5.
Ilg Electric Ventilating Company. (See Ilg, Robert A., assignor.)

Ilg, Robert A., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Shutter mechanism. 1,482,398; Feb. 5.
Industrial Products Company. (See Unger, Chester E., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Inglis, William B., Pawtucket, R. I. Mat holder. 1,482,309; Feb. 5.
International Silver Company. (See Gelb, William, assignor.)
Iroquois China Company, The. (See Lukens, Randolph E., assignor.)
Irvine, Samuel C., Belfast, Ireland. Flax and like pulling or harvesting machine. 1,482,994; Feb. 5.
Isachson, Norman, Albion, Idaho. Hose clamp. 1,482,564; Feb. 5.
Jackson, Arthur C., assignor to The Miller Lock Company, Philadelphia, Pa. Shoe-tree. 1,482,995; Feb. 5.
Jackson, Charles B. (See Terrell, Sam, assignor.)
Jackson, Joseph. (See Chambers, R. M., and Jackson.)
Jaffe, Samuel, and S. Kanner, New York, N. Y. Hat pad. 1,482,685; Feb. 5.
Jefferson, Eugene D., Boston, Mass. Vomiting kier. 1,482,795; Feb. 5.
Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)
Jenkins, Thomas A., Jersey City, N. J. Ventilator. 1,482,435; Feb. 5.
Jenkins, Thomas A., Jersey City, N. J. Glass ventilator. 1,482,996; Feb. 5.
Jenks, George F., et al., trustees. (See Eidmann, Frank L., assignor.)
Jensen, Nels, Berlin, Wis. Spare-rim carrier. 1,482,997; Feb. 5.
Jespersen, Jasper C., Freeland, Wash. Automatic trolling winch. 1,482,469; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Thin, mounted, sensitized emulsion. 1,482,611; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Potassium-bichromate process of photographic reproduction. 1,482,612; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Potassium iodide composition of matter for photographic processes. 1,482,613; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Composition of matter for photographic processes. 1,482,614; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Photographic reproduction directly from a negative. 1,482,615; Feb. 5.
John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Double process of photographic reproduction. 1,482,616; Feb. 5.
Johnayedon Corporation. (See Johnson, Charles E., assignor.)
Johnson, Charles E., and W. W. Fields, Cleveland, Ohio. Mold for concrete structures. 1,482,565; Feb. 5.
Johnson, Charles E., Ridgefield Park, N. J., assignor to Johnayedon Corporation, New York, N. Y. Parallel ruler. 1,482,930; Feb. 5.
Johnson, John F., Eketahuna, Wellington, New Zealand. Cut-off device for vacuum pipe lines. 1,482,848; Feb. 5.
Johnston, Alvin R., Napoleon, Ohio. Poultry perch. 1,482,436; Feb. 5.
Johnston, Frank B., New York, N. Y., assignor to American Safety Device Company. Scaffold. 1,482,898; Feb. 5.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Composition for non-metallic gears. 1,482,847; Feb. 5.
Johnston, James G., jr., Chicago, Ill., assignor to Warren Featherbone Company, Three Oaks, Mich. Display stand for belting and like material. 1,482,748; Feb. 5.
Jones, George E., Jr. (See Sanford, H. W., and Jones.)
Joyce, Bryan P., Davenport, Iowa. Spade. 1,482,400; Feb. 5.
Juline, Arthur, Chicago, assignor of one-half to O. C. Dennis, Wilmette, Ill. Toilet-seat cover. 1,482,749; Feb. 5.
Julson, Frederick, Willmar, Minn., assignor of one-half to M. O. Swerven, Danube, Minn. Timer for internal-combustion-engines. 1,482,686; Feb. 5.
Kanner, Samuel. (See Jaffe, S., and Kanner.)
Kay County Gas Company. (See Kygar, Daniel W., assignor.)
Keehn, Clarence C., assignor of one half to The Lisk Manufacturing Company, Ltd., Canandaigua, N. Y. Covered receptacle. 1,482,931; Feb. 5.
Keiner, Henry A., Richmond Hill, N. Y., assignor to Keiner-Williams Stamping Company. Sheet-metal container. 1,482,932; Feb. 5.
Keiner-Williams Stamping Company. (See Keiner, Henry A., assignor.)
Keller, Jeremiah, assignor to The Timken Roller Bearing Company, Canton, Ohio. Chuck. 1,482,566; Feb. 5.
Keller, Karl O., assignor of one-half to R. P. Doxford, Sunderland, England. Engine. 1,482,796; Feb. 5.
Kelley, Harriett L., Oakland, Calif. Sleeve form. 1,482,797; Feb. 5.
Kelsey, Frank F., assignor of one-half to P. C. Swole, New Haven, Conn. Signal valve. 1,482,517; Feb. 5.
Kemper, Gilbert L. (See Goke, P. J., and Kemper.)
Kenfield, William L., Royal Oak, Mich. Automatic stopping mechanism for machine tools. 1,482,401; Feb. 5.
Kennedy, Gibson H., Cedartown, Ga., assignor to Sonoco Products Company, Hartsville, S. C. Cone-winding mandrel. 1,482,849; Feb. 5.
Kenney, John J., Pittsburgh, Pa., assignor to Lawson Manufacturing Company. Valve. 1,482,798; Feb. 5.
Kent, James W., assignor to Kent Machine Works, Inc., Brooklyn, N. Y. Agitating apparatus. 1,482,998; Feb. 5.
Kent Machine Works, Inc. (See Kent, James W., assignor.)
Kerr, Arthur N., Bellevue, Pa. Treating natural-gas gasoline and of making gas therefrom. 1,482,933; Feb. 5.
Kerr, Robert S., assignor to C. H. Ueberroth, Chicago, Ill. Plate or similar article. Des. 63,901; Feb. 5.
Kessinger, A. J. (See Kloepper, Valentine C., assignor.)
Kessler, Johannes M., West Orange, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying crude synthetic camphor. 1,482,899; Feb. 5.
Kiesel, William F., jr., Altoona, Pa. Six-wheel truck. 1,482,750; Feb. 5.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 1,482,751; Feb. 5.
Kirby, John, jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Car basket rack. 1,482,900; Feb. 5.
Kirchenbauer, Louis J. (See Zederbaum, M. C., Fish, and Kerchenbauer.)
Kircher, Carl. (See Mittasch, A., and Kircher.)
Kirchhofer, August, Nashville, Tenn. Automatic air-cylinder pump oiler. 1,482,651; Feb. 5.
Kirk, Volney E., Los Angeles, Calif. Hair holder. 1,482,567; Feb. 5.
Klepper, Frank J., Earling, Iowa. Closure latch. 1,482,652; Feb. 5.
Kling, Fred E., Youngstown, Ohio. Dust catcher. 1,482,850; Feb. 5.
Klingon, Louis E., and E. M. Gathright, Bridgeport, Conn. Dredge. 1,482,851; Feb. 5.
Kloepper, Valentine C., St. Louis, Mo., assignor of one-half to A. J. Kessinger, Detroit, Mich. Combined hydrometer and liquid-level gauge. 1,482,852; Feb. 5.
Koegel, Charles, F. W., and H. I., Holyoke, Mass. Rotary slitting cutter. 1,482,437; Feb. 5.
Koegel, Frederick W. (See Koegel, Charles, F. W., and H. I.)
Koegel, Herman I. (See Koegel, Charles, F. W., and H. I.)
Koehler, Libbie M., Seattle, Wash. Bodkin. 1,482,470; Feb. 5.
Kohnen, Edward H., Cincinnati, Ohio. Syringe. 1,482,999; Feb. 5.
Korhummel, Otto J., assignor to C. J. Bates & Son, Chester, Conn. Display rack. 1,482,799; Feb. 5.
Korrectolite Company. (See Oliver, Eben F., assignor.)
Kraft, Henry P., Ridgewood, N. J. Machine for assembling valve parts. 1,482,687; Feb. 5.
Kritikson Bros., Inc. (See Kritikson, John H., assignor.)
Kritikson, John H., assignor, by mesne assignments, to Kritikson Bros., Inc., Chicago, Ill. Fountain pen. 1,482,568; Feb. 5.
Kronburger, Stephen, Hoboken, N. J., assignor to Melita White Metal Casting Co., New York, N. Y. Combined lamp stand and clock. Des. 63,902; Feb. 5.
Kruesheld, Henry, assignor to The Perfection Electric Products Co., New Washington, Ohio. Electric cooking utensil. 1,483,000; Feb. 5.
Kurre, August, Brooklyn, N. Y. Curb cock. 1,483,001; Feb. 5.
Kygar, Daniel W., assignor to Kay County Gas Company, Ponca City, Okla. Gas trap. 1,482,688; Feb. 5.
La Bombard, Leon E., Chelsea, and M. H. Sidebotham, Cliftondale, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Blank feeder. 1,482,752; Feb. 5.
La Resista Corset Co. (See Downer, Moses M., assignor.)
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Friction clutch. 1,482,402; Feb. 5.
Lance, Benjamin W., and A. E. Olson, Geneva, Ill. Illuminated license tag and case. 1,482,934; Feb. 5.
Landers, Frary and Clark. (See Curtiss, George E., assignor.)
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Landes, J. Herbert, Norristown, Pa. Tire pump. 1,482,689; Feb. 5.
Landsiedel, Walter W., Norwood, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and calculating machine. 1,482,471; Feb. 5.
Lane Brothers Company. (See Lane, George, assignor.)
Lane, George, assignor to Lane Brothers Company, Poughkeepsie, N. Y. Lifting jack. 1,483,002; Feb. 5.
Lang, Alvin, San Francisco, and E. H. Forestier, San Mateo, Calif. Locket or similar article of jewelry. Des. 63,903; Feb. 5.
Lange, Berthold A., St. Louis, Mo. Box corner. 1,482,569; Feb. 5.
Lange, Stephen O., St. Louis, Mo. Mailing package. 1,482,472; Feb. 5.
Lanzius, Evelyn F. F., executrix. (See Lanzius, George.)
Lanzius, George, deceased, New York, N. Y.; E. E. F. Lanzius, executrix. Aeroplane propeller. 1,482,690; Feb. 5.

Larin, Arthur T., Waltham, Mass. Shuttle check and binder. 1,482,800; Feb. 5.
Larsen, Mary L. (See Blodgett, Charles L., assignor.)
Larsen, Olaf. (See Valerius, T. L., and Larsen.)
Laserson, Frederick M., Brooklyn, N. Y. Sewing-machine motor. 1,482,518; Feb. 5.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Endless-ribbon carrier and feed mechanism. 1,482,753; Feb. 5.
Laughlin, Myron P., Lowell, Mass. Liquid-feed regulator. 1,482,754; Feb. 5.
Lawrence, E. E. (See Raus, Charles, assignor.)
Lawson Manufacturing Company. (See Kenney, John J., assignor.)
Lawson, Robert H. Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 1,482,801; Feb. 5.
Lea, Charles. (See Hathaway, E. F., and Lea.)
Leech, Edward W., jr., Baltimore, Md. Lubricating system for automobiles. 1,482,755; Feb. 5.
Leitzell, Samuel B., Butler, Pa. Brake shoe or drum. 1,482,853; Feb. 5.
Leonard, Linnie E., Cleveland, Ohio. Hair-waving implement. 1,482,403; Feb. 5.
Levin, Abraham I., Far Rockaway, N. Y. Rim liner. 1,482,901; Feb. 5.
Levy, Maurice. (See Curioni, Aldo, assignor.)
Lewis, Edmund W., London, England. Feed mechanism for moving strip charts. 1,482,802; Feb. 5.
Liebowits, Benjamin, New Rochelle, N. Y. Ball-and-socket joint. 1,482,756; Feb. 5.
Liefring, Peter, Wathena, Kans. Apparatus for feeding hogs. 1,482,691; Feb. 5.
Lillie, Ernest A., Leicester, England. Fastening stud or button. Des. 63,904; Feb. 5.
Lilly, William E., Lillybrook, W. Va. Gripping device. 1,482,653; Feb. 5.
Link, Vincent, Detroit, Mich., assignor to Studebaker Corporation. Combination spring end and bumper support. 1,482,935; Feb. 5.
Lisk Manufacturing Company, The. (See Keehn, Clarence C., assignor.)
Little, A. E., Company. (See Reed, James H., assignor.)
Little, Arthur D., Inc. (See Stevens, John, 3d, assignor.)
Long, Lewis R. (See White, Fred G., assignor.)
Lord, William S., Evanston, Ill., and L. Davis, Brooklyn, N. Y., assignors to Williamson Candy Company, Chicago, Ill. Machine for coating confection centers with nuts. 1,482,473; Feb. 5.
Lougheed, Randle O., Montpelier, Ohio. Auxiliary air valve for automobiles. 1,482,803; Feb. 5.
Lournay, Inc. (See Blakney, John H., assignor.)
Lovejoy, Ralph M., Meredith, N. H. Steering knuckle construction for vehicles. 1,483,003; Feb. 5.
Lovett, O. C. (See Buck, David D., assignor.)
Luce, Louis L., and L. Mattson, Portland, Oreg. Internal-combustion engine. 1,482,519; Feb. 5.
Lukens, Randolph E., assignor to The Iroquois China Company, Syracuse, N. Y. Plate or similar article. Des. 63,905; Feb. 5.
Luney, Edmund A. (See Henrichsen, C., jr., and Luney.)
Lyon, Kyle, Spencer, assignor of one-third to T. W. Smith and one-third to A. J. Clement, Rowan County, N. C. Aeroplane. 1,482,520; Feb. 5.
Macdonald, Harry P., Montclair, N. J., assignor to Snead & Company. Flexible disk. 1,482,570; Feb. 5.
Macdonald, Harry P., Montclair, N. J., assignor to Snead & Company. Flexible joint. 1,482,571; Feb. 5.
MacDow, John W., Newark, N. J. Construction jack. 1,483,004; Feb. 5.
Maciejko, Michael, Meriden, Conn. Shade-roller holder. 1,482,936; Feb. 5.
Mack, Carl, assignor to Mack Lock Company, Inc., Long Island City, N. Y. Vehicle door-lock casing and cover. 1,482,757; Feb. 5.
Mack Lock Company. (See Mack, Carl, assignor.)
Malocsay, Francis X., Saddle River, N. J., assignor to William Steiner Sons & Company. Banding machine. 1,482,572; Feb. 5.
Manierre, George, Milwaukee, Wis. Machine for unloading railway cars. 1,482,474; Feb. 5.
Mann, Matthew D., jr., Roselle, N. J., assignor to S. B. Hunt, trustee, Mount Kisco, N. Y. Manufacturing isopropyl ether. 1,482,804; Feb. 5.
Mann, William, Company. (See Prizer, Harry A., assignor.)
Marburg Brothers, Inc., et al. (See Schmidt, Carl, assignor.)
Marcus, Samuel, Brooklyn, N. Y. Sounding device for dolls and other toys. 1,482,475; Feb. 5.
Marino, Ignasio, Washington, D. C. Automobile turntable. 1,482,937; Feb. 5.
Marsden, John E. (See Milliken, John A., assignor.)
Marsh, Clifford W., Bridgeport, Conn. Paper separator for typewriters. 1,482,602; Feb. 5.
Marsh, Thomas A., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Furnace. 1,482,573; Feb. 5.
Martinson, John, Wrenshall, Minn. Cable clamp. 1,482,902; Feb. 5.
Mather, Gurdon C., Detroit, Mich. Gear-shift lock. 1,482,476; Feb. 5.
Matson, Carl A., Lynnfield, assignor to Matson Lace Tipping Machine Company, Boston, Mass. Making a nonmetallic lace tip. 1,483,052; Feb. 5.
Matson Lace Tipping Machine Company. See Matson, Carl A., assignor.)
Matthies, William H. (See Polinkowsky, L., and Matthies.)
Mattson, Leroy. (See Luce, L. L., and Mattson.)
Maxim, Hiram P., Hartford, Conn. Silencer for guns. 1,482,805; Feb. 5.
May, Solomon, Chicago, Ill. Casing and making same. 1,482,477; Feb. 5.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Converting oils. 1,482,438; Feb. 5.
McArthur, John O., Philadelphia, Pa. Crosshead. 1,482,938; Feb. 5.
McCall Company, The. (See Hutter, Franz, assignor.)
McCollough, William A., Webster City, Iowa. Invalid's bed. 1,482,439; Feb. 5.
McElwain, Henry E., Holyoke, Mass. Machine for joining film strips. 1,482,521; Feb. 5.
McFarland, James E., Lamont, Nebr. Mitten and making same. 1,482,758; Feb. 5.
McGillicuddy, Patrick J., Denver, Colo. Cigarette holder. 1,482,654; Feb. 5.
McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Elsmere, Del. Making carbon. 1,482,939; Feb. 5.
McIntyre, Stanley M., Cincinnati, Ohio. Corner piece for milk crates and the like. 1,482,854; Feb. 5.
McMahon, Thomas D., et al. (See Nesbitt, Herbert S., assignor.)
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 63,906; Feb. 5.
McNair, Albert D., Fayetteville, Ark. Electric fence. 1,483,005; Feb. 5.
Melita White Metal Casting Co. (See Kronburger, Stephen, assignor.)
Melland, William. (See Nield, William H., assignor.)
Melius, Grover B., Los Angeles, Calif. Hose. 1,483,006; Feb. 5.
Mengel Company, The. (See Moore, John A., assignor.)
Meyer, Starke L., Milwaukee, Wis. Electrical heater for auto radiator systems. 1,482,574; Feb. 5.
Meyers, Sidney E., assignor to G. W. Smith, Buffalo, N. Y. Apparatus for burning oil. 1,482,759; Feb. 5.
Michell, Anthony G. M., assignor to Crankless Engines, (Aus) Proprietary Limited, Melbourns, Victoria, Australia. Mechanism for the interconversion of reciprocating and rotary motion. Re15,756; Feb. 5.
Mid-West Box Company. (See Heinrichs, Berg, assignor.)
Miehle Printing Press & Manufacturing Company. (See Dudley, Edward F., assignor.)
Milford Iron Foundry. (See Braisted, Le Roy, assignor.)
Miller Lock Company, The. (See Jackson, Arthur C., assignor.)
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting machine. 1,482,806; Feb. 5.
Miller, Richard, Appleton, Wis. Die block. 1,482,404; Feb. 5.
Miller, Robert L., assignor to Otis Automatic Train Control, Inc., Spokane, Wash. Automatic train-control mechanism. 1,482,655; Feb. 5.
Miller, Solomon S., et al. (See Gilardone, Joseph C., assignor.)
Milligan, Walker M., Huntington Beach, Calif. Lubricating system for internal-combustion engines. 1,482,478; Feb. 5.
Milliken, John A., Bayonne, N. J., assignor to J. E. Marsden, Philadelphia, Pa. Molding glassware. 1,482,760; Feb. 5.
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Milwaukee Corrugating Company. (See Curtis, Lewis E., assignor.)
Mittasch, Alwin, and C. Kircher, assignors, by mesne assignments, to Badische, Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Manufacture of a nonhygroscopic fertilizer. 1,482,479; Feb. 5.
Mollenberg, George W., Huntington Beach, Calif. Drill-pipe slip. 1,482,693; Feb. 5.
Moller, Edward M. (See Benedict, H. A., and Moller.)
Monarch Governor Company. (See Dell, Bradford A., assignor.)
Montgomery Ward & Co. (See Robertson, Charles A., assignor.)
Moody, Charles L. (See Arthur, J. E., and Moody.)
Moody, Lewis F., Philadelphia, Pa. Operating mechanism for hydraulic turbines. 1,482,405; Feb. 5.
Moore, Arlington, Boston, Mass. Paper container. 1,482,761; Feb. 5.
Moore, James R. and T. B., Wichita, Kans. Road-surfacing machine. 1,482,904; Feb. 5.
Moore, John A., assignor to The Mengel Company, Louisville, Ky. Box or container. 1,482,857; Feb. 5.
Moore, Thomas, Westerly, R. I. Elastic woven fabric. Des. 63,907; Feb. 5.
Moore, Thomas B. (See Moore, James R. and T. B.)
Moore, William, Michigamme, Mich. Tilting headlight. 1,482,656; Feb. 5.
Moorshead, Thomas C., Alton, Ill. Glass-shaping machine. 1,482,762; Feb. 5.

Morgan & Wright. (See Hoyt, Homer J., assignor.)
Morgan, Ralph L., Worcester, assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass. Mechanism for supplying liquid to grinding machines. 1,482,855; Feb. 5.
Morgan, Ralph L., Worcester, assignor of one-half to Greenfield Tap & Die Corporation, Greenfield, Mass. Bearing for grinding spindles. 1,482,856; Feb. 5.
Morgan, William R., Jackson, Mich. Machine tool and manufacturing nuts and the like. 1,482,908; Feb. 5.
Morrison, Fred H., Marion, Ohio. Block mold. 1,483,007; Feb. 5.
Morriss, William N., Waterloo, Iowa. Fire extinguisher. 1,482,522; Feb. 5.
Mowery, Harold W., Mahwah, N. J., assignor to American Abrasive Metals Company. Lining plate for bank vaults and similar structures. 1,482,480; Feb. 5.
Manning, A. P. & Co. (See Taylor, Floyd T., assignor.)
Munser, Henry, New York, N. Y. Shoe-button cap. 1,482,940; Feb. 5.
Murphey, Thomas B., Chicago, Ill. Shoe protector. 1,482,575; Feb. 5.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Mutual Electric and Machine Company. (See Frank, Harrison J. L., assignor.)
Myers, William C., Des Moines, Iowa. Sectional grain spout. 1,482,576; Feb. 5.
Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Rear axle. 1,482,577; Feb. 5.
Nash Auto Accessory Manufacturing Company. (See Nash, Frank H., assignor.)
Nash, Frank H., assignor to Nash Auto Accessory Manufacturing Company, La Fayette, Ga. Protector for automobile tops. 1,482,578; Feb. 5.
National Differential Manufacturing Company. (See Casale, A. J., and Simpson, assignors.)
Neill, Percy G., Bonners Ferry, Idaho. Wheel puller. 1,482,694; Feb. 5.
Nelson, Walter, Oberon, N. Dak. Map and holder. 1,482,695; Feb. 5.
Nesbitt, Herbert S., assignor of one-third to O. P. Gustavsen, Minneapolis, and one-third to T. D. McMahon, St. Paul, Minn. Grain door for cars. 1,482,941; Feb. 5.
Neudorff, Frederick. (See Reid, R. R., and Neudorff.)
Newberg, Hugh W., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator for rotary pumps and motors. 1,482,807; Feb. 5.
Newberry, Sidney H., Chester, Pa. Device for operating and locking a swinging window sash. 1,482,696; Feb. 5.
New Jersey Foundry and Machine Company. (See Hescock, Ethan N., assignor.)
New York Trust Company et al., executors. (See Wylde, Edward.)
Nice, Budd G., Oxnuts, Pa. Ball-bearing wheel. 1,482,579; Feb. 5.
Nield, William H., Stockport, assignor of one-half to W. Meiland, Manchester, England. Power-producing system. 1,482,942; Feb. 5.
Nigh, William K., and B. H. Schaff, Hagerstown, Md. Handle-bar grip for motor cycles. 1,482,858; Feb. 5.
Norman, Roy, St. Louis, Mo., assignor to Sullivan Machinery Company. Mining-machine truck. 1,483,053; Feb. 5.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Thread-parting mechanism. 1,482,908; Feb. 5.
Norton, James D., Eltingville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,482,406; Feb. 5.
O & J Machine Company, The. (See Oslund, Charles H., assignor.)
Occhipinti, Giovanni, and A. Bianchi, New York, N. Y. Safety pin. 1,482,657; Feb. 5.
Ogden, John E. (See Smith, Ezra B., assignor.)
Ohio Brass Company, The. (See Averill, Rex G., assignor.)
Olcott, Frank A., Columbus, Nebr. Combined bumper and fender brace. 1,482,658; Feb. 5.
Oliver, Eben F., Jersey City, N. J., assignor to Korrectolite Company, Inc., New York, N. Y. Shade-supporting means. 1,482,580; Feb. 5.
Olson, Arthur E. (See Lance, B. W., and Olson.)
O'Neill, John E., Bronxville, N. Y. Fastener. 1,482,763; Feb. 5.
Orr, Herbert P., Indiana, assignor of one-fourth to H. B. Douglas, Pittsburgh, and one-fourth to A. Christianson, Butler, Pa. Forming drawbar yokes. 1,482,697; Feb. 5.
Oslund, Charles H., Worcester, Mass., assignor to The O & J Machine Company. Stringing-up or drawing-through device for wire-drawing drums. 1,482,859; Feb. 5.
Oslund, Charles H., Worcester, Mass., assignor to The O & J Machine Company. Stringing-up device for wire-drawing drums. 1,482,860; Feb. 5.
Oslund, Charles H., Worcester, Mass., assignor to The O & J Machine Company. Slow-starting wire-drawing block. 1,482,861; Feb. 5.
Ost, Frederick A., Minneapolis, assignor, by mesne assignments, of forty-nine fiftieths to L. F. Young, St. Paul, Minn. Machine for molding and baking pastry cones. 1,482,862; Feb. 5.
Oswald, Edith, Independence, Iowa. Tablet holder. 1,482,659; Feb. 5.
Otis Automatic Train Control, Inc. (See Miller, Robert L., assignor.)
Otis Elevator Company. (See Zederbaum, M. C., Fish, and Kirchenbauer, assignors.)
Overmyer, Charles G., Hartford City, Ind. Glass caster. 1,482,660; Feb. 5.
Ozanne, Harold H., assignor of one-third to L. Vaughan and one-third to L. D. Potter, Emmetsburg, Iowa. Dental handpiece for drills. 1,483,008; Feb. 5.
Paasche, Jens A., Chicago, Ill. Pneumatic coating apparatus. 1,482,617; Feb. 5.
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Page, Albert E., Flatbush, Brooklyn, assignor to Scott and Williams, Inc., New York, N. Y. Knitting-machine needle. 1,483,009; Feb. 5.
Pattberg, Otto F. (See Forsyth, Roy M., assignor.)
Peden, Samuel E., St. Louis, Mo. Electrical therapeutic device. 1,483,010; Feb. 5.
Pedersen, Johannes T., Flushing, assignor to A. M. Sloss, New York, N. Y. Automatic power-shut-off mechanism. 1,482,581; Feb. 5.
Peerless Manufacturing Company. (See McMinn, John E., assignor.)
Perron, Albert E. (See Goulet, Omer C., assignor.)
Peterson, Andrew, Brooklyn, N. Y. Pump agitator. 1,482,698; Feb. 5.
Pennock, Charles A., East Orange, N. J., assignor to Richard Hudnut, New York, N. Y. Cosmetic-pencil case. 1,482,407; Feb. 5.
Pennsylvania Rubber Company. (See Daum, George W., assignor.)
Perfection Electric Products Co., The. (See Kruesheld, Henry, assignor.)
Phillips, Everett A., Summit, N. J., assignor, by mesne assignments, to The Creamery Packing Mfg. Company, Chicago, Ill. Ice-cream-brick cave. 1,482,481; Feb. 5.
Picard, Richard A., New York, N. Y. Card index. 1,482,699; Feb. 5.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Radiant for open-fire gas heaters. Des. 63,908; Feb. 5.
Pioneer Production Company. (See Yeomans, Lucien I., assignor.)
Piorkowski, Antoni, Somers, Conn. Inkwell. 1,482,863; Feb. 5.
Piron Coal Distillation Systems, Inc. (See Piron, Emil, assignor.)
Piron, Emil, assignor to Piron Coal Distillation Systems, Inc., New York, N. Y. Absorption device. 1,482,408; Feb. 5.
Pitcairn, William S., Corporation. (See Pitcairn, William S., assignor.)
Pitcairn, William S., East Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y. Plate or similar article. Des. 63,909; Feb. 5.
Pitcairn, William S., East Orange, N. J., assignor to William S. Pitcairn Corporation, New York, N. Y. Covered dish or similar article. Des. 63,910; Feb. 5.
Pleasants, Arthur H., Baltimore, Md. Locating device. 1,482,440; Feb. 5.
Polinkowsky, Lipa, New York, N. Y., and W. H. Matthies, Hackensack, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,482,618; Feb. 5.
Pool, Elmer C., New Castle, Pa. Deflector for plate-feeding mechanisms. 1,483,059; Feb. 5.
Poorman, John G., Tinley Park, Ill. Poultry hover. 1,482,809; Feb. 5.
Post, Georgia A., Forest Hills, N. Y. Statuette or similar miniature figure. Des. 63,911; Feb. 5.
Postcraft Company, Inc. (See Burr, Harry J., assignor.)
Potemkin, Louis, Brooklyn, N. Y. Hair waver. 1,482,810; Feb. 5.
Potter, Laurens D., et al. (See Ozanne, Harold H., assignor.)
Potter, Thomas R. F., Brooklyn, N. Y. Sales-check holder. 1,482,943; Feb. 5.
Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)
Pratt, Arthur D., Short Hills, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam boiler and setting therefor. 1,482,864; Feb. 5.
Prizer, Harry A., assignor to William Mann Company, Philadelphia, Pa. Safety paper. Des. 63,912; Feb. 5.
Providence Collar Button Company. (See Roberts, George H.)
Pugh, Richard H. (See Workman, Ansel E., assignor.)
Pulliam, Oswald S., assignor to Hibbard Process Corporation, New York, N. Y. Metal-working furnace. 1,483,062; Feb. 5.
Purcell, Isaac T., Wakeeney, Kans. Method of making and exhibiting moving pictures. 1,482,482; Feb. 5.
Pym, Arthur F. (See Pym, Charles F., and A. F.)
Pym, Charles F. and A. F., Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the lasting of boots and shoes. 1,482,401; Feb. 5.
Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 1,482,410; Feb. 5.

Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. End-lasting mechanism. 1,482,411; Feb. 5.
Quick, Arthur S., London, England. Refining oils. 1,482,483; Feb. 5.
Quigley, John T., assignor to Costmeter Company, Boston, Mass. Filing and indexing equipment. 1,482,905; Feb. 5.
Rasey, Elijah, Los Angeles, Calif. Safety attachment for elevators. 1,482,523; Feb. 5.
Ratzesberger, John, Altoona, Pa. Mold for concrete curbing. 1,482,700; Feb. 5.
Raus, Charles, Cleveland, assignor, by mesne assignments, to E. E. Laurence, Fairport Harbor, Ohio, trading as Standard Electrical Manufacturing Company. Switch box. 1,482,865; Feb. 5.
Read, William G., Prescot, England. Hatch covering for navigable vessels, applicable to other similar purposes. 1,483,011; Feb. 5.
Reed, James H., Swampscott, assignor to A. E. Little Company, Lynn, Mass. Shoe-sewing machine. 1,482,610; Feb. 5.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Oven. 1,482,866; Feb. 5.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Stove. 1,482,867; Feb. 5.
Reha, H. J. (See Hofmann, J. Emil, assignor.)
Reid, Remer R., and F. Neudorff, Atlanta, Ga. Combined freezer and cooler. 1,482,811; Feb. 5.
Reineke, Charles, New York, N. Y. Reduction and multi-stroke power-transmitting mechanism. 1,483,012; Feb. 5.
Reinhardt, William A., Ashland, Wis. Tubular stud. 1,483,045; Feb. 5.
Reliance Gauge Column Company, The. (See Brown, John R., assignor.)
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Hopper mechanism for automatic filling-replenishing looms. 1,482,412; Feb. 5.
Richard, Eugene C., Flint, assignor to General Motors Corporation, Detroit, Mich. Piston. 1,482,868; Feb. 5.
Rigaumont, Victor A., Pittsburgh, Pa. Movable-seat construction. 1,482,701; Feb. 5.
Ritter, George, Perth Amboy, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Package-binding machine. 1,482,764; Feb. 5.
Ritter, George, Perth Amboy, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Roof covering. 1,483,046; Feb. 5.
Roberts Brass Manufacturing Company. (See Roberts, Thomas H., assignor.)
Roberts, George H., Providence, R. I., assignor to Freeman-Daughaday Co., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I. Statuette. Des. 63,913; Feb. 5.
Roberts, Spurgeon, Corsicana, Tex. Extractor. 1,483,013; Feb. 5.
Roberts, Thomas H., assignor to Roberts Brass Manufacturing Company, Detroit, Mich. Bib cock. 1,482,484; Feb. 5.
Roberts, William E., Lompoc, Calif. Apparatus for drying divided materials. 1,482,812; Feb. 5.
Robertson, Charles A., Springfield, assignor to Montgomery Ward & Co., Inc., Chicago, Ill. Explosive engine. 1,482,485; Feb. 5.
Robinson, Fred, Duluth, Minn. Bin shoveler. 1,482,524; Feb. 5.
Rodess, Samuel C., New York, N. Y. Signal bell. 1,482,582; Feb. 5.
Rodess, Samuel C., New York, N. Y. Signal bell. 1,482,583; Feb. 5.
Rogers, Charles B. (See Scruby, H. F., and Rogers.)
Rogers, John, Devon, Conn. Flushometer. 1,482,869; Feb. 5.
Roppe, Walter M., Milwaukee, Wis. Needle sharpener. 1,482,486; Feb. 5.
Rosenband M'f'g Co. (See Walker, W., and Weber, assignors.)
Rothschild, Max, New York, N. Y., assignor to Susquehanna Silk Mills. Textile fabric. Des. 63,914; Feb. 5.
Royal Worcester Corset Company. (See Brooks, W. L., and Smith, assignors.)
Rubereid Company, The. (See Abraham, Herbert, assignor.)
Ruud, Edwin, Pittsburgh, Pa., assignor to Ruud Manufacturing Company, Camden, N. J. Water heater. Re15,753; Feb. 5.
Ruud Manufacturing Company. (See Ruud, Edwin, assignor.)
Russ, John D., assignor of one-half to W. N. Russ, Spencer, W. Va. Releasable wire-rope socket. 1,482,644; Feb. 5.
Russ, Wirt N. (See Russ, John D., assignor.)
Ruttenberg, Edward C., Chicago, Ill. Lamp-shade support. Des. 63,915; Feb. 5.
Ryder, Elmer Argo, Ill. End plate for cut-out valves. 1,482,418; Feb. 5.
Samaha, Mansour, Atlantic City, N. J. Reenforcing frame for concrete building structures. 1,482,813; Feb. 5.
Sampson, Henry M., Tonkawa, Okla. Doll. Des. 63,916; Feb. 5.
Sanborn, John B., Evanston, Ill., assignor to Associated Trading Corporation, Milwaukee, Wis. Molded article. 1,482,765; Feb. 5.
Sandell, Henry K., Evanston, assignor to Mills Novelty Company, Chicago, Ill. Bowing mechanism for self-playing stringed instruments. 1,482,620; Feb. 5.
Sanford-Day Iron Works. (See Sanford, H. W., and Jones, assignors.)
Sanford, Hugh W., and G. E. Jones, jr., assignors to Sanford-Day Iron Works, Knoxville, Tenn. Railway car. 1,482,814; Feb. 5.
Sather, Peter, East Stanwood, Wash. Vehicle headlight. 1,482,815; Feb. 5.
Saunders, John L., Washington, D. C. Adjustable support. 1,483,051; Feb. 5.
"Save-M" Fire Extinguisher Company. (See Fahnestock, Charles M., assignor.)
Schaefer, Henry J., Ashtabula, Ohio. Pressure draft gear. 1,483,014; Feb. 5.
Schaff, Benjamin H. (See Nigh, W. K., and Schaff.)
Schall, David H., Canton, Ohio. Brake mechanism for motor vehicles. 1,482,816; Feb. 5.
Scharpenberg, Charles C., Bakersfield, Calif. Fluid-operated well-drilling apparatus. 1,482,702; Feb. 5.
Schevitz, Carl, Jacksonville, Fla. Expansible shoe last. 1,482,684; Feb. 5.
Schimanek, Emil, Budapest, Hungary. Indicator for determining the average pressure in the cylinders of piston machines. 1,482,525; Feb. 5.
Schlichter, Wilhelm, Freiburg i. Breisgau, Germany. Photographic photometer. 1,482,441; Feb. 5.
Schlumpf, Edwin, assignor to the Firm Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Turbine utilizing elastic motive fluids. 1,482,526; Feb. 5.
Schmick, Henry J., Williamsport, Pa. Screw and gear making machine. 1,482,621; Feb. 5.
Schmick, Henry J., Williamsport, Pa. Gearing and making the same. 1,482,622; Feb. 5.
Schmick, Henry J., Williamsport, Pa. Mechanical element and making the same. 1,482,623; Feb. 5.
Schmidt, Carl, Berlin-Tegel, assignor of two-thirds to Sparlager G. m. b. H., Berlin, Germany, and one-third to Marburg Brothers, Inc., New York, N. Y. Manufacturing antifriction bearings and compounds. 1,482,414; Feb. 5.
Schnackenberg, Henry, Stroudsburg, Pa. Outfit for producing drinks. 1,483,015; Feb. 5.
Schnelling, Samuel, Chicago, Ill. Finger ring. Des. 63,917; Feb. 5.
Schutz, Bernard W., Haledon, N. J. Picker stick. 1,482,703; Feb. 5.
Schwartz, Morris, Chicago, Ill. Door hanger. 1,482,704; Feb. 5.
Scott and Williams, Inc. (See Page, Albert E., assignor.)
Scott, Walter B., Marblehead, Mass. Toy animal. Des. 63,918; Feb. 5.
Scruby, Horace F., Miami, Okla., and C. B. Rogers, Joplin, Mo. Fluid-pressure brake. 1,482,661; Feb. 5.
Seaboyer, George E., and P. H. Anderson, Wooster, Ohio. Constructing brushes. 1,482,415; Feb. 5.
Seckinger, John F., Humboldt, Saskatchewan, Canada. Heating attachment for cookstoves. 1,483,016; Feb. 5.
Segal Metal Products Company. (See Segal, Samuel, assignor.)
Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Adjustable lock casing. 1,482,766; Feb. 5.
Selden, Arthur R., Rochester, N. Y. Loose-leaf binder. 1,482,945; Feb. 5.
Serra, Augustin, Essomes-sur-Marne, France. Warp knit fabric and making same. 1,482,705; Feb. 5.
Serva, Adam A., and W. S. Simpson, assignors to The United Electric Company, Canton, Ohio. Caster. 1,482,946; Feb. 5.
Service Bag Co. (See Bunker, J. W., and Boney, assignors.)
Shamberger, John P., Baltimore, Md. Internal-combustion engine. 1,482,442; Feb. 5.
Shamberger, John P., Clarendon, Va. Internal-combustion engine. 1,482,443; Feb. 5.
Shampay, Pascal J., Chicago, Ill. Drying machine. 1,482,624; Feb. 5.
Shaw, George H., Los Angeles, Calif. Milk-can-identifying means. 1,482,817; Feb. 5.
Shaw, Nelson T. (See Woods, W. G., and Shaw.)
Sheets, Jesse T., Covington, Ky. Stretcher. 1,482,487; Feb. 5.
Sheldon, Alfred, New Orleans, La. Fuel pump. 1,482,444; Feb. 5.
Sheppard, Teaford C., South Richmond, Va. Mail-bag fastener. 1,482,062; Feb. 5.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Display stand. Des. 63,919; Feb. 5.
Shields, Robert, Brooklyn, N. Y. Adjustable chute spring for typesetting machines. 1,483,017; Feb. 5.
Shipman, William P., assignor to Blaw-Knox Company, Pittsburgh, Pa. Method and apparatus for welding. 1,482,818; Feb. 5.
Shlisky, Joseph, Haverhill, Mass. Tack-feeding apparatus. 1,482,767; Feb. 5.
Shoemaker, George A., Philadelphia, Pa., assignor to Bound Brook Oil-Less Bearing Company. Producing composite bearings. 1,483,018; Feb. 5.
Short, Ira, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company. Method of and apparatus for testing gears. 1,482,706; Feb. 5.

Shorts, Nelson T., Fern, Pa. Combination valve stem and pressure gauge. 1,482,947; Feb. 5.
Shouldice, Frederic A., Trucksville, Pa. Stone gatherer. 1,482,663; Feb. 5.
Sicard, Hugh C., Niagara Falls, assignor to United States Ferro Alloys Corporation, New York, N. Y. Decarbonizing ferro alloys. 1,482,585; Feb. 5.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Signode System, Inc. (See Treat, Sidney W., assignor.)
Simonson, Leo B., New York, N. Y. Hair dressing, washing, and shampooing equipment. 1,482,819; Feb. 5.
Simonson, Leo B., New York, N. Y. Advertising manikin. 1,482,820; Feb. 5.
Simpson, Joseph B. (See Casale, A. J., and Simpson.)
Simpson, Walter S., assignor to The United Electric Company, Canton, Ohio. Caster. 1,482,527; Feb. 5.
Simpson, Walter S. (See Serva, A. A., and Simpson.)
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Sisson, Clement F., and H. E. Eurich, White Pigeon, Mich. Recovery of stock. 1,482,488; Feb. 5.
Sixt, Eugene, Springville, N. Y. Collar pin. 1,482,821; Feb. 5.
Skinner Engine Company. (See Glenn, John C., assignor.)
Skinner, Frank W., Minneapolis, Minn. Machine for and process of making hollow rubber articles. 1,482,707; Feb. 5.
Skinner, Lee B., assignor to Skinner Machinery Company, Dunedin, Fla. Orchard heater. 1,482,586; Feb. 5.
Skinner Machinery Company. (See Skinner, Lee B., assignor.)
Skinner Machinery Company. (See Smith, Henry L., assignor.)
Slade, Budd E., Cheyenne Wells, Colo. Pedal attachment. 1,482,768; Feb. 5.
Slawienski, Mike, Camden, N. J. Street or station indicator. 1,482,870; Feb. 5.
Sloss, Aaron M. (See Pedersen, Johannes T., assignor.)
Small, Eugene W., New York, N. Y. Game. 1,482,708; Feb. 5.
Smith, Daniel D., Valdosta, Ga. Powder duster. 1,482,709; Feb. 5.
Smith, Daniel D., Valdosta, Ga. Powder-dusting machine. 1,482,710; Feb. 5.
Smith, Edwin E., and J. A. Crosby, Willacoochee, Ga. Wrench. 1,483,019; Feb. 5.
Smith, Ezra S., Ravenswood, Ill., assignor to J. E. Ogden, Mountainville, N. Y. Control mechanism for doors. 1,482,949; Feb. 5.
Smith, George W. (See Meyers, Sidney E., assignor.)
Smith, Henry L., assignor to Skinner Machinery Company, Dunedin, Fla. Safety ring. 1,482,587; Feb. 5.
Smith, James J., Philadelphia, Pa. Valve fitting. 1,482,948; Feb. 5.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Process and apparatus for producing multiple-ply webs. 1,483,047; Feb. 5.
Smith, John H., Denton, Nebr. Chain connecter. 1,482,664; Feb. 5.
Smith, Lulu T., Waterloo, Iowa. Child's music rack. 1,482,871; Feb. 5.
Smith, Thomas W., et al. (See Lyon, Kyle, assignor.)
Smith, William M. (See Brooks, W. L., and Smith.)
Snapp Foundry, Inc. (See Theis, George R., assignor.)
Snead & Company. (See Macdonald, Harry P., assignor.)
Snelling, Walter O., Allentown, Pa. Preservative composition. 1,482,416; Feb. 5.
Societe Blot-Garnier & Chevalier. (See Blot, Paul, assignor.)
Sonoco Products Company. (See Kennedy, Gibson H., assignor.)
Sorenson, John, Rhinelander, Wis. Adjusting mechanism for resawing machines. 1,482,711; Feb. 5.
Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Radiator. 1,482,445; Feb. 5.
Sparks-Withington Company, The. (See Sparks, William, assignor.)
Sparlager, G. m. b. H., et al. (See Schmidt, Carl, assignor.)
Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
Sperling, Edward, New York, N. Y. Change purse and bill fold. 1,483,020; Feb. 5.
Squibb, E. R., and Sons. (See Giesy, Paul M., assignor.)
Stanage, David U., Oakland, Calif. Direction indicator for automobiles or other vehicles. 1,482,822; Feb. 5.
Standard Electrical Manufacturing Company. (See Raus, Charles, assignor.)
Standard Four Wire Company. (See Bierman, Edwin W., assignor.)
Standard Oil Company. (See Conley, Gardner L., assignor.)
Stanyo, Gabriel. (See Alter, L., and Stanyo.)
Star Watch Case Co. (See Starke, Otto A., assignor.)
Starke, Otto A., assignor to Star Watch Case Co., Ludington, Mich., Watchcase. Des. 63,920; Feb. 5.
Stattman, Walter A., Chicago, assignor to H. R. Adams, Oak Park, and H. B. Wilcox, Glencoe, Ill. Seal for bottles. 1,482,823; Feb. 5.
Stead, Harold J., Geneva, N. Y. Bifocal-lens blank. 1,482,950; Feb. 5.
Stead, Harold J., Geneva, N. Y. Bifocal-lens blank. 1,482,951; Feb. 5.
Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system for automatic exchanges. 1,482,712; Feb. 5.
Stebler, Fred, assignor to Stebler Parker Co., Riverside, Calif. Sizing apparatus. 1,482,824; Feb. 5.
Stebler Parker Co. (See Stebler, Fred, assignor.)
Stecker, Louis G., Philadelphia, Pa. Storage battery. 1,482,872; Feb. 5.
Stedman, James H., Braintree, Mass. Reenforced-rubber flooring and making the same. 1,482,952; Feb. 5.
Stein, Samuel P., Newark, N. J. Apparatus for recovering power from tides and waves. 1,482,713; Feb. 5.
Steiner, William, Sons & Company. (See Malocsay, Francis X., assignor.)
Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for handling air bags in the manufacture of tires. 1,482,446; Feb. 5.
Stevens, John, 3d, Boston, assignor to Arthur D. Little, Inc., Cambridge, Mass. Apparatus for treatment of waste paper. 1,482,825; Feb. 5.
Stevens, Robert C., Erie, Pa. Governor. 1,482,447; Feb. 5.
Stevenson, Ashton G., Chicago, Ill. Casting machine. 1,483,021; Feb. 5.
Stewart, John W., Martinsburg, W. Va. Pump plunger and crosshead. 1,483,022; Feb. 5.
Stilliger, Edward C., Burlington, Colo. Automobile circuit tester. 1,482,714; Feb. 5.
Stolstedt, Karl H., Centralia, Wash. Safety hook. 1,482,826; Feb. 5.
Stone, Charles N., assignor to Deere & Company, Moline, Ill. Chain or belt tightener. 1,482,528; Feb. 5.
Strand, Clarence, Mahnomen, Minn. Expanding ring clutch. 1,482,715; Feb. 5.
Stratton, George M., Salt Lake City, Utah. Telephone receiver. 1,482,588; Feb. 5.
Strong, Henry, Millinocket, Me. Generator. 1,482,665; Feb. 5.
Studebaker Corporation. (See Link, Vincent, assignor.)
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Apparatus for measuring and mixing materials. 1,483,048; Feb. 5.
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Machine for fluffing fibers. 1,483,049; Feb. 5.
Submarine Signal Company. (See Fay, Richard D., assignor.)
Sudekum, William, Nashville, Tenn. Piston-rod packing. 1,482,716; Feb. 5.
Sullivan, Jerry J., Spokane, Wash. Windshield wiper. 1,482,448; Feb. 5.
Sullivan Machinery Company. (See Norman, Roy, assignor.)
Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing films. 1,482,717; Feb. 5.
Susquehanna Silk Mills. (See Rothschild, Max, assignor.)
Sutton, William H., Eugene, Oreg. Mud-guard light. 1,482,769; Feb. 5.
Swelven, Martin O. (See Julson, Frederick, assignor.)
Swole, Paul C. (See Kelsey, Frank N., assignor.)
Taylor, Floyd T., Matawan, assignor to A. P. Munning & Co., Newark, N. J. Conveying mechanism. Re15,754; Feb. 5.
Taylor, John R., assignor to The Hartman-Spreng Company, Mansfield, Ohio. Gas burner. 1,482,529; Feb. 5.
Taylor, Rex H., Rochester, N. Y. Inflatable ball. Re15,755; Feb. 5.
Taylor, Richardson H., Meeker, Colo. Dentimeter. 1,482,530; Feb. 5.
Taylor-Wilson Manufacturing Company. (See Wilson, Edgar H., assignor.)
Terrell, Sam, assignor of one-third to C. B. Jackson, Detroit, Mich. Luggage carrier for motor vehicles. 1,482,770; Feb. 5.
Theis, George R., assignor to Snapp Foundry, Inc., Winchester, Va. Automatic ice-scoring machine. 1,483,023; Feb. 5.
Thiemann, Jacob. (See Banitt, J. N., and Thiemann.)
Thomas, Pacific J., Pittston, Pa. Thread spreader for doubling machines. 1,482,589; Feb. 5.
Thomas, Pacific J., Pittston, Pa. Thread spreader for doubling machines. 1,482,590; Feb. 5.
Thompson, George, Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing switch. 1,482,625; Feb. 5.
Thompson, Osceola C., Rockaway, N. J., assignor to Wirebounds Patents Company. Machine for use in making boxes. 1,482,771; Feb. 5.
Thompson, W. L. (See Young, L. F., and Ferris, assignors.)
Thordarson, Chester H., Chicago, Ill. Making polysided coils. 1,482,531; Feb. 5.
Thordarson, Chester H., Chicago, Ill. Machine for winding coils. 1,482,532; Feb. 5.
Thorn, Lawrence T., Harrisburg, Ark. License plate. 1,482,531; Feb. 5.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,482,666; Feb. 5.
Tideman, William J., assignor to The United Electric Company, Canton, Ohio. Adjustable caster. 1,482,953; Feb. 5.

Tideman, William J., assignor to The United Electric Company, Canton, Ohio. Adjustable caster. 1,482,954; Feb. 5.
Tideman, William J., assignor to The United Electric Company, Canton, Ohio. Adjustable caster. 1,482,955; Feb. 5.
Tideman, William J., assignor to The United Electric Company, Canton, Ohio. Adjustable caster. 1,482,956; Feb. 5.
Timken Roller Bearing Company, The. (See Curtis, George W., assignor.)
Timken Roller Bearing Company, The. (See Keller, Jeremiah, assignor.)
Tisley, Arthur J., Brooklyn, N. Y. Shade holder. 1,482,957; Feb. 5.
Tratsch, Walter A. (See Bechtol, A. H., and Tratsch.)
Travis, Paul J. (See Travis, William T. and P. J.)
Travis, William T. and P. J., Oyster, Va. Potato harvester. 1,483,024; Feb. 5.
Treat, Sidney W., assignor to Signode System, Inc., Chicago, Ill. Reenforcement for boxes and packages. 1,482,417; Feb. 5.
Tschirgi, Harold M., Independence, Iowa. Concrete-pipe joint. 1,482,772; Feb. 5.
Tucker, Gilbert M., jr., Glenmont, N. Y. Projecting machine. 1,483,025; Feb. 5.
Twin Packer Oil and Gas Company. (See Gallagher, Thomas H., assignor.)
Tyminski, Walter, Duluth, Minn. Stamping hammer. 1,482,532; Feb. 5.
Ueberroth, Christopher H. (See Kerr, Robert S., assignor.)
Ulirich, Alice, executrix. (See Ulirich, George J.)
Ulirich, Emil H. W., New York, N. Y., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,482,958; Feb. 5.
Ulirich, George J., deceased, by A. Ulirich, executrix, assignor, by mesne assignments, to Ulirich Tinware Company, Chicago, Ill. Sifter. 1,482,873; Feb. 5.
Ulirich Tinware Company. (See Ulirich, George J., assignor.)
Underwood Typewriter Company. (See Campbell, George W., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Unger, Chester E., assignor to Industrial Products Company, Goshen, Ind. Centrifugal machine. 1,482,418; Feb. 5.
United Electric Company, The. (See Serva, A. A., and Simpson, assignors.)
United Electric Company, The. (See Simpson, Walter S., assignor.)
United Electric Company, The. (See Tideman, William J., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Griffin, Leonard F., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Norton, James G., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F. and A. F., assignors.)
United States Ferro Alloys Corporation. (See Sicard, Hugh C., assignor.)
United States Printing and Lithograph Company, The. (See Furste, Henry, assignor.)
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Can washer. 1,482,489; Feb. 5.
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Cutting machine. 1,482,490; Feb. 5.
Van Ausdal, Francis X., Pasadena, Calif. Automobile bed. 1,482,718; Feb. 5.
Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Spacing rectifier. 1,482,667; Feb. 5.
Vaughan, Leonard, et al. (See Osanne, Harold H., assignor.)
Vavruska, Bartlett F., Prairie du Chien, Wis. Thrust bearing for crank shafts. 1,482,827; Feb. 5.
Victor Rubber Company, The. (See Berlin, Harry S., assignor.)
Visualatone Corporation, The. (See Donaldson, William J., assignor.)
Vogel, Frank, New Washington, Ohio. Cartridge holder. 1,482,491; Feb. 5.
Wack, Arthur D., assignor to Giant Resilient Wheel Company, St. Louis, Mo. Resilient spring wheel. 1,483,026; Feb. 5.
Wagner, Walter, Chicago, Ill. Welding metal receptacles. 1,483,027; Feb. 5.
Wait, Thaddeus S., Sturgis, Mich. Shade pull. 1,482,874; Feb. 5.
Walker, Edmund H., New York, N. Y. Draft gear. 1,482,492; Feb. 5.
Walker, Ernest A., Newark, N. J. Two-light arm for lighting fixtures. Des. 63,921; Feb. 5.
Walker, Ernest A., Newark, N. J. Ring for lighting fixtures. Des. 63,922; Feb. 5.
Walker, William, and H. H. Weber, assignors to Rosenband M'f'g. Co., Newark, N. J. Catch. 1,482,875; Feb. 5.
Wallace, R., & Sons Mfg. Co. (See Warren, William S., assignor.)
Walsh Automatic Coupling Company. (See Walsh, Harry R., assignor.)
Walsh Harness Company. (See Walsh, James M., assignor.)
Walsh, Harry R., San Pedro, assignor to Walsh Automatic Coupling Company, Los Angeles, Calif. Coupling for hose, pipe, and the like. 1,483,028; Feb. 5.
Walsh, James M., Milwaukee, Wis., assignor to Walsh Harness Company, Wilmington, Del. Hame. 1,482,668; Feb. 5.
Walters, Eliza L., Anderson, Ind. Carburetor. 1,482,773; Feb. 5.
Warr, Harry, Montreal, Quebec, Canada. Ironing board. 1,482,876; Feb. 5.
Warren Featherbone Company. (See Johnston, James G., jr., assignor.)
Warren, William S., Meriden, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon or similar article. Des. 63,923; Feb. 5.
Warsen, August W., Brooklyn, N. Y. Gripper for printing presses. 1,483,057; Feb. 5.
Wasson, Harry C. (See Hoffman, L. F., and Wasson.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watson Company, The. (See Woodward, Frederick R., assingor.)
Watson, Strother, Gallatin, Tenn. Pulverizing attachment for plows. 1,482,828; Feb. 5.
Weaver, Elverton W., Cleveland, Ohio. Fuel system for motor vehicles. 1,482,493; Feb. 5.
Weber, Harry M. (See Ellis, C., and Weber.)
Weber, Henry H. (See Walker, W., and Weber.)
Wehrle Company, The. (See Pickup, George E., assignor.)
Weiss, Max L., Brooklyn, N. Y. Automobile hood catch or fastening thereof. 1,482,494; Feb. 5.
Wells, Charles L. (See Childers, William L., assignor.)
Wells, Ernest D., assignor of one-half to S. Hopkins, Atlanta, Ga. Hose clamp. 1,483,050; Feb. 5.
Western Electric Company. (See Polinkowsky, L., and Matthies, assignors.)
Western Electric Company. (See Stearn, Franklin A., assignor.)
Western Electric Company. (See Thompson, George, assignor.)
Western Supply Company. (See Crotto, Frank E., assignor.)
Westhaver, Robert B., Mahone Bay, Nova Scotia, Canada. Power dusting machine. 1,482,495; Feb. 5.
Westinghouse Electric and Manufacturing Company. (See Newberg, Hugh W., assignor.)
Westinghouse Gear and Dynamometer Company. (See Short, Ira, assignor.)
Whippey, Frederick C. (See Dolezal, Robert F., assignor.)
White, Charles H., assignor to Deere & Company, Moline, Ill. Disk-harrow mechanism. 1,482,496; Feb. 5.
White, Edward N., et al., trustees. (See Eidmann, Frank L., assignor.)
White, Fred G., assignor to L. R. Long, Kansas City, Mo. Power-transmission gearing. 1,482,449; Feb. 5.
White, Fred G., assignor to L. R. Long, Kansas City, Mo. Power-transmission mechanism. 1,482,450; Feb. 5.
White, Ira F., Oakwood, Ill. Sanding device for mine motors. 1,483,029; Feb. 5.
Whited, John C., Crede, Colo. Nut lock. 1,482,669; Feb. 5.
Whitehead, Thomas C. (See Clark, J. H., and Whitehead.)
Whiting, Jasper, Boston, Mass. Desiccating apparatus. 1,482,626; Feb. 5.
Whyel, James, Pittsburgh, Pa. Tractor brake. 1,482,877; Feb. 5.
Wiegand, Edwin L., Pittsburgh, Pa. One-way transmission mechanism. 1,482,451; Feb. 5.
Wilcox, Hollis B., et al. (See Stattmann, Walter A., assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Dial mechanism. 1,482,497; Feb. 5.
Wilke, Louis, Morsemere, N. J. Theftproof receiver box. 1,482,719; Feb. 5.
Wilke, Louis, Morsemere, N. J. Theftproof receiver box. 1,482,720; Feb. 5.
Wilkinson, Henry B., Pontiac, Mich. Automobile signal. 1,482,419; Feb. 5.
Williams, James H., Baltimore, Md. Grand piano. 1,482,670; Feb. 5.
Williams, Jesse C., Marshalltown, Iowa. Plasterer's hawk. 1,482,452; Feb. 5.
Williamson Candy Company. (See Lord, W. S., and Davis, assignors.)
Wills, Childe H., Marysville, Mich. Fan for hydrocarbon motors. 1,482,498; Feb. 5.
Wills, Childe H., Marysville, Mich. Valve mounting. 1,482,774; Feb. 5.
Wilson, Arthur, Glendora, Miss. Boll-weevil trap. 1,482,420; Feb. 5.
Wilson, Edgar H., Chartiers Township, Allegheny County, assignor to Taylor-Wilson Manufacturing Company, McKees Rocks, Pa. Threading machine. 1,482,829; Feb. 5.

Wilson, Herbert W. V., Meols, England. Furnace for melting stereo and similar metals and other materials. 1,483,030; Feb. 5.
Wilson Process, Incorporated. (See Wilson, Sidney C., assignor.)
Wilson, Sidney C., Rochester, assignor to Wilson Process, Incorporated, New York, N. Y. Inside lip-turning machine. 1,483,054; Feb. 5.
Winans, Daniel M., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Rope-guide device. 1,483,031; Feb. 5.
Windsor, Lonzo A., Pittsburg, Kans. Foldable tourist bed. 1,482,721; Feb. 5.
Winkler, Joseph F., Philadelphia, Pa. Ice-making apparatus. 1,483,032; Feb. 5.
Wirebounds Patents Company. (See Thompson, Osceola C., assignor.)
Wise, William K., Tulsa, Okla. Combined bumper support, tire-carrier support, and spring-attaching device. 1,482,533; Feb. 5.
Wisman, Philip H., Washington, D. C. Scooter. 1,483,033; Feb. 5.
Woelffel, Ernest H., Point Pleasant, W. Va. Corner riser for bed springs. 1,482,421; Feb. 5.
Wolfe, William E., Wilder, Va. First-aid-package attachment for dinner pails. 1,482,499; Feb. 5.
Wood, Andrew C., Chicago, Ill. Motometer. 1,482,593; Feb. 5.
Woodbridge, Joseph L., Philadelphia, Pa. Closure for storage-battery cells. 1,482,534; Feb. 5.
Woods, Virgil L., Williams, Calif. Fountain brush. 1,482,535; Feb. 5.
Woods, William G., and N. T. Shaw, Los Angeles, Calif. Dispensing device. 1,482,830; Feb. 5.
Woodward, Frederick R., assignor to The Watson Company, Attleboro, Mass. Spoon or similar article. Des. 63,924; Feb. 5.
Woodworker Manufacturing Co., The. (See de Linieres, Louis, assignor.)
Wootton, Lucius B., Jacksonville, Fla. Hackling machine. 1,483,034; Feb. 5.
Worcester Electric Supply Company. (See Batcheller, Hugh W., assignor.)
Workman, Ansel E., Gales Ferry, assignor of one-half to R. H. Pugh, New London, Conn. Spark plug. 1,482,422; Feb. 5.
Wyatt, William E., Toronto, Ontario, Canada. Toilet device. 1,483,035; Feb. 5.
Wyckoff, J. Lewis, et al., trustees. (See Eidmann, Frank L., assignor.)
Wyckoff, Robert L., Independence, Kans. Valve extractor for wells. 1,483,036; Feb. 5.
Wylde, Edward, deceased, by E. W. Wylde, New York, N. Y., and New York Trust Company, executors. Mechanism for controlling elevators. 1,482,453; Feb. 5.
Wylde, Elizabeth W., et al., executors. (See Wylde, Edward.)
Yale Corporation. (See Ackerman, Walter L., assignor.)
Yale & Towne Manufacturing Company, The. (See Freysinger, John B., assignor.)
Yeomans, Lucien I., assignor to Pioneer Production Company, Chicago, Ill. Shafting cleaner. 1,482,775; Feb. 5.
Young, L. F. (See Ost, Frederick A., assignor.)
Young, Lawrence F., and W. Ferris, Milwaukee, Wis., assignors to W. L. Thompson, Greenville, Miss. Dumping vehicle. 1,482,423; Feb. 5.
Zollinger, Friedrich, Merseburg, Germany. Means of manufacturing space-covering structures such as roofs, frame walls, and the like. 1,483,037; Feb. 5.
Zederbaum, Michel C., J. Fish, jr., and L. J. Kirchenbauer, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Swaging machine. 1,483,038; Feb. 5.
Zimmerman, Harry C., Washington, D. C. Elevating mechanism. 1,482,424; Feb. 5.
Ziony, Raphael, Brooklyn, N. Y. Collapsible drinking cup. 1,482,425; Feb. 5.
Zusulin, Nicholas J., Minot, N. Dak. Agitator or shaker for stoves or furnaces. 1,482,500; Feb. 5.
Zusulin, Nicholas J., Minot, N. Dak. Attachment for grates. 1,482,501; Feb. 5.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Absorption device. E. Piron. 1,482,408; Feb. 5.
Acetylene generator. O. N. Gredell. 1,482,513; Feb. 5.
Acids, Commercial preparation of animophenylarsonic. M. Guérin. 1,482,514; Feb. 5.
Adding and calculating machine. W. W. Landsiedel. 1,482,471; Feb. 5.
Aeroplane. K. Lyon. 1,482,520; Feb. 5.
Aeroplane propeller. G. Lanzius. 1,482,690; Feb. 5.
Agitating apparatus. J. W. Kent. 1,482,998; Feb. 5.
Agitation separator. A. M. Gow. 1,482,607; Feb. 5.
Airships and the like, Means for preventing self ignition of. G. Dinkela. 1,482,642; Feb. 5.
Alarm: *See*—
Tire alarm.
Alloys, Decarbonizing ferro. H. C. Sicard. 1,482,585; Feb. 5.
Amusement device. E. T. Gundlach. 1,482,554; Feb. 5.
Amusement device, Target for. A. H. Bechtol and W. A. Tratsch. 1,482,725; Feb. 5.
Anchor. H. A. Benedict and E. M. Moller. 1,482,964; Feb. 5.
Antispreading device. P. M. Cullen. 1,482,676; Feb. 5.
Apron. I. M. Becton. 1,482,777; Feb. 5.
Auger. L. F. Hess. 1,482,990; Feb. 5.
Auto radiator systems, Electrical heater for. S. L. Meyer. 1,482,574; Feb. 5.
Automobile body, Removable. B. F. Fitch. 1,482,604; Feb. 5.
Automobile circuit tester. E. C. Stiliger. 1,482,714; Feb. 5.
Automobile curtain. W. J. Brunsman. 1,482,458; Feb. 5.
Automobile hood catch or fastening thereof. M. L. Weiss. 1,482,494; Feb. 5.
Automobile hoods, Lamp holder for. H. W. Batcheller. 1,482,454; Feb. 5.
Automobile lubricating system. E. W. Leech, jr. 1,482,755; Feb. 5.
Automobile signal. H. B. Wilkinson. 1,482,419; Feb. 5.
Automobile signal device. R. B. Benjamin. 1,482,540; Feb. 5.
Automobile tops, Protector for. F. H. Nash. 1,482,578; Feb. 5.
Automobile turntable. I. Marino. 1,482,937; Feb. 5.
Automobiles, Auxiliary air vave for. R. O. Lougheed. 1,482,803; Feb. 5.
Automobiles or other vehicles, Direction indicator for. D. U. Stanage. 1,482,822; Feb. 5.
Axle construction, Rear-. A. J. Casale and J. B. Simpson. 1,482,838; Feb. 5.
Axle, Rear. O. M. Nacker. 1,482,577; Feb. 5.
Bacteriological test apparatus. L. E. W. Bevan. 1,482,966; Feb. 5.
Bag: *See*—
Paper bag.
Bag-turning machine. B. C. Batcheller. 1,482,877; Feb. 5.
Ball-and-socket joint. B. Liebowitz. 1,482,756; Feb. 5.
Ball-bearing wheel. B. G. Nice. 1,482,579; Feb. 5.
Ball, Inflatable. R. H. Taylor. Re15,755; Feb. 5.
Bauding machine. F. X. Maloczay. 1,482,572; Feb. 5.
Bank, Savings, G. D. Gallagher. 1,482,983; Feb. 5.
Bathing cap. L. and M. Auster. 1,482,723; Feb. 5.
Battery: *See*—
Storage battery.
Battery storage-cells, Closure for. J. L. Woodbridge. 1,482,584; Feb. 5.
Bearing for crank shafts, Thrust. B. F. Vavruska. 1,482,827; Feb. 5.
Bearing for grinding spindles. R. L. Morgan. 1,482,856; Feb. 5.
Bearings and compounds, Manufacturing antifriction. C. Schmidt. 1,482,414; Feb. 5.
Bearings, Producing composite. G. A. Shoemaker. 1,483,018; Feb. 5.
Bed, Automobile. F. X. Van Ausdal. 1,482,718; Feb. 5.
Bed, Foldable tourist. L. A. Windsor. 1,482,721; Feb. 5.
Bed, Invalid's. W. A. McCollough. 1,482,439; Feb. 5.
Bedsprings, Corner riser for. E. H. Woelffel. 1,482,421; Feb. 5.
Bees, Cage for transporting and introducing. O. L. Hershiser. 1,482,468; Feb. 5.
Bell. W. H. Fulper. Des. 63,892; Feb. 5.
Bell, Signal. S. C. Rodess. 1,482,582–3; Feb. 5.
Felt coupling. F. Diehl. 1,482,461; Feb. 5.
Billiard and pool tables, Bridge for. W. W. Banks. 1,482,962; Feb. 5.
Binder, Loose-leaf. A. R. Seiden. 1,482,945; Feb. 5.
Birdcage stand, A. V. Erving. Des. 63,888; Feb. 5.
Biscuits, cup wafers, and similar articles from liquid, Machinery for making wafer. T. O. Bates. 1,482,963; Feb. 5.
Blank feeder. L. E. La Bombard and M. H. Sidebotham. 1,482,752; Feb. 5.
Block: *See*—
Die block.
Block mold. F. H. Morrison. 1,483,007; Feb. 5.
Block mounting, Follower-. H. L. Atkinson. 1,482,832; Feb. 5.
Blocks, Machine for making terra-cotta. M. E. Gates. 1,482,646; Feb. 5.
Board: *See*—
Ironing board.
Bodkin. L. M. Koehler. 1,482,470; Feb. 5.
Boiler and setting therefor, Steam. A. D. Pratt. 1,482,864; Feb. 5.
Boiler furnace, Steam-. F. J. Crolius. 1,482,840; Feb. 5.
Boll-weevil exterminator, Cotton-. C. R. Coolidge. 1,482,735; Feb. 5.
Boll-weevil trap. A. Wilson. 1,482,420; Feb. 5.
Bolt-turning and other machines, Feed mechanism for. J. A. Eden, jr. 1,482,390; Feb. 5.
Book, Fisherman's dry flyleaf. N. C. Figley. 1,482,678; Feb. 5.
Book-locking device. C. L. Blodgett. 1,482,781; Feb. 5.
Boots and shoes, Machine for use in lasting of. C. F. and A. F. Pym. 1,482,409; Feb. 5.
Boring drill, Earth-. H. W. Fletcher. 1,482,787; Feb. 5.
Boring machine. J. E. Arthur and C. L. Moody. 1,482,879; Feb. 5.
Bottle, Cologne. J. H. Blakney. Des. 63,871; Feb. 5.
Bottle seal. W. A. Stattmann. 1,482,823; Feb. 5.
Bottles, Deposit and collection receptacle for milk. W. N. Batchelor. 1,482,378; Feb. 5.
Bowl or similar article. W. Gelb. Des. 63,893; Feb. 5.
Bowl or similar article. W. D. Haviland. Des. 63,898; Feb. 5.
Box: *See*—
Receiver box.
Switch box.
Vanity box.
Wirebound box.
Box and making the same. J. Borchers. 1,482,727; Feb. 5.
Box corner. B. A. Lange. 1,482,569; Feb. 5.
Box-making machine. O. C. Thompson. 1,482,771; Feb. 5.
Box or container. J. A. Moore. 1,482,857; Feb. 5.
Boxes and packages, Reenforcement for. S. W. Treat. 1,482,417; Feb. 5.
Bracket: *See*—
Shade bracket.
Brake: *See*—
Fluid-pressure brake.
Tractor brake.
Brake head. B. Haskell. 1,482,609; Feb. 5.
Brake shoe or drum. S. B. Leitsell. 1,482,853; Feb. 5.
Brake support. B. Haskell. 1,482,610; Feb. 5.
Brush. W. H. Heffernan. 1,482,744; Feb. 5.
Brush, Fountain. V. L. Woods. 1,482,535; Feb. 5.
Brushes, Constructing. G. E. Seaboyer and P. H. Anderson. 1,482,415; Feb. 5.
Building construction. A. H. Coombs. 1,483,042; Feb. 5.
Bumper and fender brace, Combined. F. A. Olcott. 1,482,658; Feb. 5.
Bumper support, tire-carrier support, and spring-attaching device, Combined. W. K. Wise. 1,482,533; Feb. 5.
Burner: *See*—
Gas burner.
Burnishing metallic articles, Device for. P. J. Goke and G. L. Kemper. 1,482,923; Feb. 5.
Button cap, Shoe-. H. Munzer. 1,482,940; Feb. 5.
Cabinet, Pool-ball. E. A. Black. 1,482,965; Feb. 5.
Cable clamp. J. Martinson. 1,482,902; Feb. 5.
Camphor, Purifying crude synthetic. J. M. Kessler. 1,482,899; Feb. 5.
Can-identifying means, Milk-. G. H. Shaw. 1,482,817; Feb. 5.
Can opener. J. J. Daigle. 1,482,914; Feb. 5.
Can washer. T. L. Valerius and O. Larsen. 1,482,489; Feb. 5.
Candle. G. L. Conley. Des. 63,875–7; Feb. 5.
Caps, Apparatus for forming sheet-metal. A. Calleson. 1,482,732; Feb. 5.
Car-basket rack. J. Kirby, jr. 1,482,900; Feb. 5.
Car-door hanger, Box-. F. M. Friesell. 1,482,431; Feb. 5.
Car, Hopper. H. S. Hart. 1,482,550; Feb. 5.

Car, Railway. H. W. Sanford and G. E. Jones, jr. 1,482,814; Feb. 5.
Car roof. C. L. Bonsall. 1,482,782; Feb. 5.
Cars, Grain door for. H. S. Nesbitt. 1,482,941; Feb. 5.
Cars, Machine for unloading railway. G. Manierre. 1,482,474; Feb. 5.
Cars, Sliding door for. J. L. Crook. 1,482,841; Feb. 5.
Carbon, Making. J. McIntosh. 1,482,939; Feb. 5.
Carburetor. E. L. Walters. 1,482,773; Feb. 5.
Card, Coin-mailing. W. G. Hoffman and R. S. Hintze. 1,482,433; Feb. 5.
Card index. R. A. Picard. 1,482,699; Feb. 5.
Carrier: *See*—
Rim carrier.
Carton. H. Furste. 1,482,890; Feb. 5.
Cart, Child's. T. R. Bradford. 1,482,506; Feb. 5.
Cartridge holder. F. Vogel. 1,482,491; Feb. 5.
Case: *See*—
Pencil case.
Casing and making same. S. May. 1,482,477; Feb. 5.
Caster. A. A. Serva and W. S. Simpson. 1,482,946; Feb. 5.
Caster. W. S. Simpson. 1,482,527; Feb. 5.
Caster, Adjustable. W. J. Tideman. 1,482,953–6; Feb. 5.
Casting machine. A. G. Stevenson. 1,483,021; Feb. 5.
Catch. W. Walker and H. H. Weber. 1,482,875; Feb. 5.
Catch or fastener, Spring. J. A. Chambers. 1,482,384; Feb. 5.
Catcher, Dust. F. E. Kling. 1,482,850; Feb. 5.
Catalizer and making the same. C. Ellis. 1,482,740; Feb. 5.
Centrifugal machine. C. E. Unger. 1,482,418; Feb. 5.
Chain connecter. J. H. Smith. 1,482,664; Feb. 5.
Chain or belt tightener. C. N. Stone. 1,482,528; Feb. 5.
Chair seat. C. Daum. Des. 63,883; Feb. 5.
Chandelier, Electric. A. Cooper. Des. 63,878–9; Feb. 5.
Channeling machine. F. E. Bertrand. 1,482,379; Feb. 5.
Charts, Feed mechanism for moving strip. E. W. Lewis. 1,482,802; Feb. 5.
Chase mounting. E. F. Dudley. 1,482,738; Feb. 5.
Chuck. J. Keller. 1,482,566; Feb. 5.
Cigarette holder. P. J. McGillicuddy. 1,482,654; Feb. 5.
Cigarette holder or the like. J. D. Garcia. 1,482,984; Feb. 5.
Cigarette-rolling apparatus. P. J. Gallagher. 1,482,644; Feb. 5.
Clamp: *See*—
Caule clamp.
Hose clamp.
Wire-line clamp.
Clamps or cramps and the like, Appliance for. L. F. Hering. 1,482,989; Feb. 5.
Cleaner: *See*—
Shaping cleaner.
Cleaning devices, Holder for. M. S. Colt. 1,482,836; Feb. 5.
Clip: *See*—
Satchel clip.
Clothesline lock. J. J. Duket. 1,482,388; Feb. 5.
Clutch. A. W. Capa. 1,482,544; Feb. 5.
Clutch, Expanding ring. C. Strand. 1,482,715; Feb. 5.
Clutch, Friction. J. F. Lamb. 1,482,402; Feb. 5.
Coating apparatus, Pneumatic. J. A. Paasche. 1,482,617; Feb. 5.
Cock, Bib. T. B. Roberts. 1,482,484; Feb. 5.
Cock, Curb. A. Kurre. 1,483,001; Feb. 5.
Cock holder and drain-pipe clamp, Angle-. C. M. Hannaford. 1,482,987; Feb. 5.
Cocks, Holder for angle. C. M. Hannaford. 1,482,988; Feb. 5.
Coffeepot or similar article. G. E. Curtiss. Des. 63,882; Feb. 5.
Coils, Machine for winding. C. H. Thordarson. 1,482,592; Feb. 5.
Coils, Making polysided. C. H. Thordarson. 1,482,591; Feb. 5.
Combination lock. H. M. Hainline. 1,482,515; Feb. 5.
Compressible spring. F. Dutcher. 1,482,918; Feb. 5.
Compressors, Water-regulating system for air. L. F. Hoffman and R. C. Wasson. 1,483,044; Feb. 5.
Concrete building structures, Reenforcing frame for. M. Samaha. 1,482,813; Feb. 5.
Concrete curbing, Mold for. J. Ratsesberger. 1,482,700; Feb. 5.
Concrete-pipe joint. H. M. Tschirgi. 1,482,772; Feb. 5.
Concrete structures, Mold for. C. E. Johnson and W. W. Fields. 1,482,555; Feb. 5.
Concrete-wall form. M. S. Hotchkiss. 1,482,434; Feb. 5.
Confection centers with nuts, Machine for coating. W. S. Lord and L. Davis. 1,482,473; Feb. 5.
Construction jack. J. W. MacDow. 1,483,004; Feb. 5.
Container, Sheet-metal. H. A. Keiner. 1,482,932; Feb. 5.
Conveying mechanism. F. T. Taylor. Re15,754; Feb. 5.
Cooking utensil, Electric. H. Kruesbeld. 1,483,000; Feb. 5.
Cookstoves, Heating attachment for. J. F. Seckinger. 1,483,016; Feb. 5.
Core breaker. C. C. Hansen. 1,482,397; Feb. 5.
Corn rack, Seed-. E. Hayden. 1,482,640; Feb. 5.
Corn shellers, Attachment for. J. E. Hofmann. 1,482,516; Feb. 5.
Corrugated board, Machine for making. B. Heinrichs. 1,482,894; Feb. 5.
Corset. M. M. Downer. 1,482,548; Feb. 5.
Coupler. E. P. Kinne. 1,482,751; Feb. 5.
Coupler, Electric. R. G. Averill. 1,482,833; Feb. 5.
Coupling: *See*—
Belt coupling.
Hose coupling.
Counter. J. H. Bair. 1,482,539; Feb. 5.
Crates and the like, Corner piece for milk. S. M. McIntyre. 1,482,854; Feb. 5.
Crosshead. J. O. McArthur. 1,482,938; Feb. 5.
Crucible. C. S. Collins. 1,482,887; Feb. 5.
Cup: *See*—
Drinking cup.
Cup. B. E. Hodgkin. 1,482,561; Feb. 5.
Cutter: *See*—
Glass cutter.
Slitting cutter.
Cutting and creasing press. F. S. English. 1,482,391; Feb. 5.
Cutting machine. T. L. Valerius and O. Larsen. 1,482,490; Feb. 5.
Cylinder-reboring machine. F. T. Flinchbaugh. 1,483,061; Feb. 5.
Cylinders of piston machines, Indicator for determining the average pressure in the. E. Schimanek. 1,482,525; Feb. 5.
Dental articulator or relator. J. Homer. 1,482,993; Feb. 5.
Dental handpiece for drills. H. H. Osanne. 1,483,008; Feb. 5.
Dentifrice material. P. M. Giesy. 1,482,741; Feb. 5.
Dentimeter. R. H. Taylor. 1,482,530; Feb. 5.
Desiccating apparatus. J. Whiting. 1,482,626; Feb. 5.
Dial mechanism. E. L. Wilcox. 1,482,497; Feb. 5.
Die block. R. Miller. 1,482,404; Feb. 5.
Dies. E. Boley. 1,482,835; Feb. 5.
Dies, Sheet-metal-bending. J. Huber. 1,482,927; Feb. 5.
Dish. B. A. Grasberger. Des. 63,894–5; Feb. 5.
Dish or similar article, Covered. W. S. Pitcairn. Des. 63,910; Feb. 5.
Disk, Flexible. H. P. Macdonald. 1,482,570; Feb. 5.
Dispensing device. W. G. Woods and N. T. Shaw. 1,482,830; Feb. 5.
Display rack. O. J. Korhummel. 1,482,799; Feb. 5.
Display stand. W. H. Averill. Des. 63,866; Feb. 5.
Display stand. L. W. Shields. Des. 63,919; Feb. 5.
Display stand for belting and like material. J. G. Johnston, jr. 1,482,748; Feb. 5.
Distributing switch. G. Thompson. 1,482,625; Feb. 5.
Doll. N. J. Chinn. Des. 63,873; Feb. 5.
Doll. K. W. Harshberger. Des. 63,896; Feb. 5.
Doll. H. M. Sampson. 63,916; Feb. 5.
Dolls and other toys, Sounding device for. S. Marcus. 1,482,475; Feb. 5.
Door hanger. M. Schwartz. 1,482,704; Feb. 5.
Door hook. H. C. Etheridge. 1,482,643; Feb. 5.
Door-lock casing and cover, Vehicle. C. Mack. 1,482,757; Feb. 5.
Doors, Control mechanism for. E. B. Smith. 1,482,949; Feb. 5.
Doubling machines, Thread spreader for. P. J. Thomas. 1,482,589–90; Feb. 12.
Drafting instrument. A. R. Goldrick. 1,482,606; Feb. 5.
Drain gate. E. E. Grimes. 1,482,986; Feb. 5.
Dredge. L. E. Klingon and E. M. Gathright. 1,482,851; Feb. 5.
Dress separator. P. M. Frank. 1,483,058; Feb. 5.
Drier: *See*—
Fruit drier.
Drill: *See*—
Boring drill.
Drill-pipe slip. G. W. Mollenberg. 1,482,693; Feb. 5.
Drinks, Outfit for producing. H. Schnackenberg. 1,483,015; Feb. 5.
Drinking cup, Collapsible. R. Ziony. 1,482,425; Feb. 5.
Drinking fountain. R. W. Glaser. 1,482,466; Feb. 5.
Driving and stopping mechanism. R. H. Lawson. 1,482,801; Feb. 5.
Drying apparatus for divided materials. W. E. Roberts. 1,482,812; Feb. 5.
Drying machine. P. J. Shampay. 1,482,624; Feb. 5.
Duster, Powder. D. D. Smith. 1,482,709; Feb. 5.
Dusting machine, Powder-. D. D. Smith. 1,482,710; Feb. 5.
Electric heater. J. F. Adams. Des. 63,863; Feb. 5.
Electric switch. H. Catlin. 1,482,911; Feb. 5.
Electric switch. E. H. W. Ullrich. 1,482,958; Feb. 5.
Electric recording and signaling systems, Transmitter for. A. B. Buckley. 1,482,968; Feb. 5.
Electrical testing device. F. Dubsky. 1,482,462; Feb. 5.
Elevating mechanism. H. C. Zimmerman. 1,482,424; Feb. 5.
Elevator: *See*—
Portable elevator.
Elevators, Mechanism for controlling. E. Wylde. 1,482,453; Feb. 5.
Elevators, Safety attachment for. E. Rasey. 1,482,523; Feb. 5.
Embroidering machine. J. C. Gilardone. 1,482,679; Feb. 5.
Embroidering machines, Stocking-holding frame for. J. C. Gilardone. 1,482,680; Feb. 5.
Emulsion, Thin, mounted, sensitized. R. John. 1,482,611; Feb. 5.
Engine: *See*—
Explosive engine.
Internal-combustion engine.
Rotary engine.
Traction engine.

Engine. K. O. Keller. 1,482,796; Feb. 5.
Engines, Contact breaker for internal-combustion. P. A. V. Ceresole. 1,482,969; Feb. 5.
Engines, Governor for internal-combustion. B. A. Dell. 1,482,547; Feb. 5.
Engines, Lubricating system for internal-combustion. W. M. Milligan. 1,482,478; Feb. 5.
Engines, Timer for internal-combustion. F. Julson. 1,482,686; Feb. 5.
Exchanges, Testing system for automatic. F. A. Stearn. 1,482,712; Feb. 5.
Explosive engine. C. A. Robertson. 1,482,485; Feb. 5.
Extractor. S. Roberts. 1,483,013; Feb. 5.
Fabric, Elastic woven. T. Moore. Des. 63,907; Feb. 5.
Fabrics with a mercerising or other liquid, Apparatus for impregnating. E. Farrell. 1,483,060; Feb. 5.
Fan. J. Bechtel, sr. 1,482,504; Feb. 5.
Faradic medical apparatus. J. J. Ghegan. 1,482,891; Feb. 5.
Fastener. J. E. O'Neill. 1,482,763; Feb. 5.
Feeding and delivering mechanism. S. Boutin. 1,482,427; Feb. 5.
Fence, Electric. A. D. McNair. 1,483,005; Feb. 5.
Fertiliser, Manufacture of nonhygroscopic. A. Mittasch and C. Kircher. 1,482,479; Feb. 5.
Fibers, Machine for fluffing. T. J. Sturtevant. 1,483,049; Feb. 5.
Filing and indexing equipment. J. T. Quigley. 1,482,905; Feb. 5.
Film strips, Machine for joining. H. E. McElwain. 1,482,521; Feb. 5.
Films, Preparing. A. F. Sulser. 1,482,717; Feb. 5.
Finger ring. S. Schnelling. Des. 63,917; Feb. 5.
Finger ring or similar article. L. Fiedler. Des. 63,890; Feb. 5.
Fire extinguisher. C. M. Fahnestock. 1,483,043; Feb. 5.
Fire extinguisher. W. N. Morriss. 1,482,522; Feb. 5.
Flax and like pulling or harvesting machine. S. C. Irvine. 1,482,994; Feb. 5.
Flexible joint. H. P. Macdonald. 1,482,571; Feb. 5.
Fluid-pressure brake. H. F. Scruby and C. B. Rogers. 1,482,661; Feb. 5.
Flushometer. J. Rogers. 1,482,869; Feb. 5.
Folding machine. E. G. Goben. 1,482,605; Feb. 5.
Fords, Low-gear attachment for. C. B. Cramer. 1,482,973; Feb. 5.
Fountain: *See*—
Drinking fountain.
Freezer and cooler, Combined. R. R. Reid and F. Neudorf. 1,482,811; Feb. 5.
Fruit drier. J. Chandler. 1,482,972; Feb. 5.
Fuel, Distribution of. H. F. Easter. 1,482,549; Feb. 5.
Furnace: *See*—
Boiler furnace.
Metal-working furnace.
Hot-air furnace.
Furnace. T. A. Marsh. 1,482,573; Feb. 5.
Furnace for melting stereo and similar metals and other materials. H. W. V. Wilson. 1,483,030; Feb. 5.
Game. E. W. Small. 1,482,708; Feb. 5.
Gas burner. J. R. Taylor. 1,482,529; Feb. 5.
Gas gasoline and making gas therefrom, Treating natural-. A. N. Kerr. 1,482,933; Feb. 5.
Gas heaters, Radiant for open fire. G. E. Pickup. Des. 63,908; Feb. 5.
Gas regulator. C. Henrichsen, jr., and E. A. Luney. 1,482,895; Feb. 5.
Gas trap. D. W. Kygar. 1,482,688; Feb. 5.
Gate: *See*—
Drain gate.
Gear, Draft. E. H. Walker. 1,482,492; Feb. 5.
Gear, Pressure draft. H. J. Schaefer. 1,483,014; Feb. 5.
Gear-shift lock. G. C. Mather. 1,482,476; Feb. 5.
Gears, Composition for nonmetallic. H. L. Johnston. 1,482,847; Feb. 5.
Gears, Method of and apparatus for testing. I. Short. 1,482,706; Feb. 5.
Gearing and making the same. H. J. Schmick. 1,482,622; Feb. 5.
Gearing, Power-transmission. F. G. White. 1,482,449; Feb. 5.
Gearing, Power-transmitting. G. W. Curtis. 1,482,599; Feb. 5.
Generator: *See*—
Acetylene generator.
Generator. H. Strong. 1,482,665; Feb. 5.
Glass caster. C. G. Overmyer. 1,482,660; Feb. 5.
Glass holder, Drinking-. J. H. Boye. Des. 63,872; Feb. 5.
Glass letters, Making. E. C. Gmelin. 1,482,789; Feb. 5.
Glass, Process of and mixture for making. A. L. Duval D'Adrian. 1,482,389; Feb. 5.
Glass-shaping machine. T. C. Moorshead. 1,482,762; Feb. 5.
Glass ventilator. T. A. Jenkins. 1,482,996; Feb. 5.
Glassware, Molding. J. A. Milliken. 1,482,760; Feb. 5.
Governor. E. C. Stevens. 1,482,447; Feb. 5.
Grain-bundle shocker. H. Baxter. 1,482,504; Feb. 5.
Grain spout, Sectional. W. C. Myers. 1,482,576; Feb. 5.
Grate attachment. N. J. Zusulin. 1,482,501; Feb. 5.
Grinding machine. F. E. Gardner. 1,482,465; Feb. 5.
Grinding machines, Mechanism for supplying liquid to. R. L. Morgan. 1,482,855; Feb. 5.
Gripping device. W. R. Lilly. 1,482,653; Feb. 5.
Gun silencer. H. P. Maxim. 1,482,805; Feb. 5.
Hackling machine. L. B. Wootton. 1,483,034; Feb. 5.
Hair dressing, washing, and shampooing equipment. L. B. Simonson. 1,482,819; Feb. 5.
Hair holder. V. E. Kirk. 1,482,567; Feb. 5.
Hair waver. L. Potemkin. 1,482,810; Feb. 5.
Hair-waving implement. L. E. Leonard. 1,482,403; Feb. 5.
Hame. J. M. Walsh. 1,482,668; Feb. 5.
Hammer, drilling machine, and the like, Pneumatic. E. Cohn. 1,482,507; Feb. 5.
Hammer, Stamping. W. Tyminski. 1,482,532; Feb. 5.
Hanger: *See*—
Car-door hanger.
Door hanger.
Harrow mechanism, Disk-. C. H. White. 1,482,496; Feb. 5.
Harvester, Potato. W. T. and P. J. Travis. 1,483,024; Feb. 5.
Hat pad. S. Jaffe and S. Kanner. 1,482,685; Feb. 5.
Headlight for automobiles, Antiglare. W. H. J. Downey. 1,482,977; Feb. 5.
Headlight shade. F. A. Holtsinger. 1,482,794; Feb. 5.
Headlight, Tilting. W. Moore. 1,482,656; Feb. 5.
Headlight, Vehicle. P. Sather. 1,482,815; Feb. 5.
Heater: *See*—
Orchard heater.
Water heater.
Heater. J. E. McMinn. Des. 63,906; Feb. 5.
Heel, Shoe. T. W. Bigoney. 1,482,456–7; Feb. 5.
Hogs, Apparatus for feeding. P. Liefring. 1,482,691; Feb. 5.
Hook: *See*—
Door hook.
Safety hook.
Hose. G. B. Mellus. 1,483,006; Feb. 5.
Hose clamp. N. Isachson. 1,482,564; Feb. 5.
Hose clamp. E. D. Wells. 1,483,050; Feb. 5.
Hose coupling. J. J. Armstrong. 1,482,722; Feb. 5.
Hose, pipe, and the like, Coupling for. H. R. Walsh. 1,483,028; Feb. 5.
Hot-air furnace. G. A. Germain and J. W. Gellenbeck. 1,482,551; Feb. 5.
Hydraulic motor. J. M. Callejas. 1,482,545; Feb. 5.
Hydrocarbon motor. M. Tibbetts. 1,482,666; Feb. 5.
Hydrometer and liquid-level gauge, Combined. V. C. Kloepper. 1,482,852; Feb. 5.
Ice breaker. J. A. Ellis. 1,482,511; Feb. 5.
Ice-cream-brick cave. E. A. Phillips. 1,482,481; Feb. 5.
Ice-making apparatus. J. F. Winkler. 1,483,032; Feb. 5.
Ice-scoring machine, Automatic. G. R. Theis. 1,483,023; Feb. 5.
Images and photograph produced thereby, Forming. A. Ames, jr. 1,482,502; Feb. 5.
Inkwell. A. Piorkowski. 1,482,863; Feb. 5.
Internal-combustion engine. J. I. C. Hebb. 1,482,650; Feb. 5.
Internal-combustion engine. L. L. Luce and L. Mattson. 1,482,519; Feb. 5.
Internal-combustion engine. J. P. Shamberger. 1,482,442–3; Feb. 5.
Internal-combustion engine, Rotary. F. A. Bullington. 1,482,627; Feb. 5.
Insect trap. A. Hoffbauer. 1,482,992; Feb. 5.
Ironing board. H. Warr. 1,482,876; Feb. 5.
Isopropyl ether, Manufacturing. M. D. Mann, jr. 1,482,804; Feb. 5.
Jack: *See*—
Construction jack.
Lifting jack.
Joint: *See*—
Concrete-pipe joint.
Flexible joint.
Key holder. F. A. Brown. 1,482,673; Feb. 5.
Kier, Vomiting. E. D. Jefferson. 1,482,795; Feb. 5.
Kitchen utensil. J. Catsules. 1,482,735; Feb. 5.
Knife, Fruit and vegetable. J. Catsules. 1,482,736; Feb. 5.
Knit fabric and making the same, Warp. A. Serra. 1,482,705; Feb. 5.
Knitting machine. M. C. Miller. 1,482,806; Feb. 5.
Knitting frames, Sinker guide for. E. Haaga. 1,482,395; Feb. 5.
Lace tip, Making a nonmetallic. C. A. Matson. 1,483,052; Feb. 5.
Laces, Instrument for tipping shoe. F. B. Converse. 1,482,888; Feb. 5.
Ladder, Drop. J. H. Bulger. 1,482,883; Feb. 5.
Lady's bag. E. T. Davis. Des. 63,885; Feb. 5.
Laminated structure. J. W. Bunker and A. M. Boney. 1,482,908; Feb. 5.
Lamp, Dash. H. W. Batcheller. Des. 63,867; Feb. 5.
Lamp, Electromechanical. P. Blot. 1,483,055; Feb. 5.
Lamp globe. A. F. Dickerson. Des. 63,886–7; Feb. 5.
Lamp, Miner's. F. R. Belt. Des. 63,868; Feb. 5.
Lamp-shade support. E. C. Ruttenberg. Des. 63,015; Feb. 5.
Lamp socket, Electric-. F. A. Faulhaber, jr. 1,482,603; Feb. 5.
Lamp stand and clock, Combined. S. Kronburger. Des. 63,002; Feb. 5.
Lasting mechanism, End-. C. F. Pym. 1,482,411; Feb. 5.
Latch, Closure. F. J. Klepper. 1,482,652; Feb. 5.
Lathering utensil. F. C. Curtis. 1,482,546; Feb. 5.
Laundering machine. W. H. Cotton. 1,482,839; Feb. 5.
Lens blank, Bifocal-. H. J. Stead. 1,482,950–1; Feb. 5.
Lever chock. O. C. Goulet. 1,482,985; Feb. 5.
License plate. L. T. Thorn. 1,482,531; Feb. 5.
License tag and case, Illuminated. B. W. Lance and A. E. Olson. 1,482,934; Feb. 5.
Lifting jack. G. Lane. 1,483,002; Feb. 5.

Light: *See*—
Mud-guard light.
Lighting-fixture ring. E. A. Walker. Des. 63,922; Feb. 5.
Lighting fixture, Two-light arm for. E. A. Walker. Des. 63,921; Feb. 5.
Liquid container and top. C. S. Baron. 1,482,724; Feb. 5.
Liquid-feed regulator. M. P. Laughlin. 1,482,754; Feb. 5.
Lip-turning machine, Inside. S. C. Wilson. 1,483,054; Feb. 5.
Locating device. A. H. Pleasants. 1,482,440; Feb. 5.
Lock: *See*—
Clothesline lock. Gear-shift lock.
Combination lock. Nut lock.
Lock. E. Daeie. 1,482,974; Feb. 5.
Lock. J. B. Fressinger. 1,482,788; Feb. 5.
Lock casing, Adjustable. S. Segal. 1,482,766; Feb. 5.
Locket or similar article of jewelry. A. Lang and E. H. Forestier. Des. 63,903; Feb. 5.
Looms, Hopper mechanism for automatic filling replenishing. A. E. Rhoades. 1,482,412; Feb. 5.
Lubricant container. W. Fjeldstrom. 1,482,843; Feb. 5.
Lubricating system. P. H. Gaskins. 1,482,645; Feb. 5.
Machine tool and manufacturing nuts and the like. W. R. Morgan. 1,482,903; Feb. 5.
Machine tools, Automatic stopping mechanism for. W. L. Kenfield. 1,482,401; Feb. 5.
Magazines and the like, Cover for. F. Hutter. 1,482,928; Feb. 5.
Mail-bag fastener. T. C. Sheppard. 1,482,662; Feb. 5.
Mail-distributing apparatus. W. Barry. 1,482,834; Feb. 5.
Mail receptacle. J. M. Cahan. 1,482,459; Feb. 5.
Mailing package. S. O. Lange. 1,482,472; Feb. 5.
Mandrel, Cone-winding. G. H. Kennedy. 1,482,849; Feb. 5.
Manicuring device. D. D. Buck. 1,482,837; Feb. 5.
Manikin, Advertising. L. B. Simonson. 1,482,820; Feb. 5.
Map and holder. W. Nelson. 1,482,695; Feb. 5.
Mat holder. W. B. Inglis. 1,482,399; Feb. 5.
Materials, Making resinous. C. Ellis and H. M. Weber. 1,482,919; Feb. 5.
Measuring and filling machine. B. S. Harrington. 1,482,467; Feb. 5.
Measuring and mixing materials, Apparatus for. T. J. Sturtevant. 1,483,048; Feb. 5.
Measuring piston rings. H. S. Frank. 1,482,392; Feb. 5.
Mechanical element and making the same. H. J. Schmick. 1,482,623; Feb. 5.
Metal-working furnace. O. S. Pulliam. 1,483,062; Feb. 5.
Metallurgical process. W. E. Greenawalt. 1,483,058; Feb. 5.
Meter. J. W. Bickel. 1,483,039; Feb. 5.
Mine cage, Overturning. A. Allen. 1,482,536; Feb. 5.
Mineral material, Treating surfaces of crystalline. M. L. Hartmann. 1,482,792–3; Feb. 5.
Mitten and making same. J. E. McFarland. 1,482,758; Feb. 5.
Mold: *See*—
Block mold.
Molded article. J. B. Sanborn. 1,482,765; Feb. 5.
Motion-checking device. J. H. Durno. 1,482,917; Feb. 5.
Motion, Mechanism for the interconversion of reciprocating and rotary. A. G. M. Michell. Re15,756; Feb. 5.
Motor: *See*—
Hydraulic motor. Sewing-machine motor.
Hydrocarbon motor.
Motor cycles, Handle grip for. W. K. Nigh and B. H. Schaff. 1,482,258; Feb. 5.
Motors, Fan for hydrocarbon. C. H. Wills. 1,482,498; Feb. 5.
Motometer. A. C. Wood. 1,482,593; Feb. 5.
Mowers, Attachment for lawn. F. F. Hildebrand. 1,482,432; Feb. 5.
Mudguard light. W. H. Sutton. 1,482,769; Feb. 5.
Music-leaf turner. E. P. Goodchild. 1,482,682; Feb. 5.
Music rack, Child's. L. T. Smith. 1,482,871; Feb. 5.
Neckwear, Man's. J. A. Hewes. 1,482,560; Feb. 5.
Needle, Knitting-machine. A. E. Page. 1,483,009; Feb. 5.
Nut lock. J. C. Whited. 1,482,669; Feb. 5.
Odometer mechanism. J. Berge. 1,482,596; Feb. 5.
Oil. Apparatus for burning. S. E. Meyers. 1,482,759; Feb. 5.
Oil blast. Furnace. C. A. Grabill. 1,482,553; Feb. 5.
Oils, Converting. A. M. McAfee. 1,482,438; Feb. 5.
Oils, Refining. A. S. Quick. 1,482,483; Feb. 5.
Oiler. Automatic air-cylinder pump. A. Kirchhofer. 1,482,651; Feb. 5.
Optical instruments, Lens mount for. E. Hart. 1,482,893; Feb. 5.
Optometrical instrument. B. E. Brierton. 1,482,967; Feb. 5.
Orchard heater. L. B. Skinner. 1,482,586; Feb. 5.
Oven. A. J. Reedy. 1,482,866; Feb. 5.
Package-binding machine. G. Ritter. 1,482,764; Feb. 5.
Packing, Piston-rod. W. Sudekum. 1,482,716; Feb. 5.
Pad: *See*—
Hat pad.
Pails, First-aid-package attachment for dinner. W. E. Wolfe. 1,482,499; Feb. 5.
Paper, Apparatus for treatment of waste. J. Stevens, 3d. 1,482,525; Feb. 5.
Paper bag. D. P. Boucher. 1,482,783; Feb. 5.
Paper container. A. Moore. 1,482,761; Feb. 5.
Paper reel. A. W. Cape. 1,482,912; Feb. 5.
Paper, Safety. H. A. Prizer. Des. 63,912; Feb. 5.
Pastry cones, Machine for molding and baking. F. A. Ost. 1,482,862; Feb. 5.
Pavements and materials therefor, Manufacturing and laying bituminous sheet. F. C. Alsdorf. 1,482,960; Feb. 5.
Pedal attachment. B. E. Slade. 1,482,768; Feb. 5.
Pedestal, Performance. V. Caronti. 1,482,910; Feb. 5.
Pedestal, Safety. C. R. Grover. 1,482,743; Feb. 5.
Pen, Fountain. J. H. Kritikson. 1,482,568; Feb. 5.
Pencil case, Cosmetic. C. A. Pennock. 1,482,407; Feb. 5.
Pencil holder. A. D. Gise. 1,482,647; Feb. 5.
Pencil or similar article. R. A. Cleeland. Des. 63,874; Feb. 5.
Perch, Poultry. A. R. Johnston. 1,482,436; Feb. 5.
Photographic-lens system. A. Ames, jr. 1,482,503; Feb. 5.
Photographic photometer. W. Schlichter. 1,482,441; Feb. 5.
Photographic-printing apparatus and other apparatus, Adjustment-indicating means for. W. C. Huebner. 1,482,562; Feb. 5.
Photographic processes, Composition of matter for. R. John. 1,482,614; Feb. 5.
Photographic processes, Potassium iodide composition of matter for. R. John. 1,482,613; Feb. 5.
Photographic reproduction directly from a negative. R. John. 1,482,615; Feb. 5.
Photographic reproduction, Double process of. R. John. 1,482,616; Feb. 5.
Photographic-reproduction, Potassium-bichromate process of. R. John. 1,482,612; Feb. 5.
Piano, Grand. J. H. Williams. 1,482,670; Feb. 5.
Picker stick. B. W. Schutz. 1,482,703; Feb. 5.
Picture apparatus, Motion-. R. M. Forsyth. 1,482,844; Feb. 5.
Pictures, Making and exhibiting moving. I. T. Purcell. 1,482,482; Feb. 5.
Pin: *See*—
Safety pin.
Pin, Collar. E. Sixt. 1,482,821; Feb. 5.
Pipe lines, Cutoff device for vacuum. J. F. Johnson. 1,482,848; Feb. 5.
Pipe wrench. J. F. Delaney. 1,482,889; Feb. 5.
Piston. W. L. Childers. 1,482,675; Feb. 5.
Piston. E. C. Richard. 1,482,868; Feb. 5.
Piston-insulating head. G. Bowmar. 1,482,778; Feb. 5.
Pitcher or similar article. F. E. Feck. Des. 63,889; Feb. 5.
Plasterer's hawk. J. C. Williams. 1,482,452; Feb. 5.
Plate-feeding mechanisms, Deflector for. E. C. Pool. 1,483,059; Feb. 5.
Plate or similar article. W. D. Haviland. Des. 63,897; Feb. 5.
Plate or similar article. R. S. Kerr. Des. 63,901; Feb. 5.
Plate or similar article. R. E. Lukens. Des. 63,905; Feb. 5.
Plate or similar article. W. S. Pitcairn. Des. 63,909; Feb. 5.
Plows, Pulverizing attachment for. S. Watson. 1,482,828; Feb. 5.
Plug, Plural-socket. J. S. Cuming. Des. 63,880–1; Feb. 5.
Pneumatic tool. R. B. Butterbaugh. 1,482,543; Feb. 5.
Pole pusher. P. J. Harrah. 1,482,846; Feb. 5.
Pole-setting device. G. A. Heid. 1,482,745; Feb. 5.
Portable elevator. E. N. Hescock. 1,482,924; Feb. 5.
Poultry hover. J. G. Poorman. 1,482,809; Feb. 5.
Powder for reducing irritation. W. H. Allen. 1,482,906; Feb. 5.
Powder puffs, Machine for making. A. Curioni. 1,482,620; Feb. 5.
Power dusting machine. R. B. Westhaver. 1,482,495; Feb. 5.
Power from tides and waves, Apparatus for recovering. S. P. Stein. 1,482,713; Feb. 5.
Power-producing system. W. H. Nield. 1,482,942; Feb. 5.
Power-shut-off mechanism, Automatic. J. T. Pedersen. 1,482,581; Feb. 5.
Power-transmission mechanism. F. G. White. 1,482,450; Feb. 5.
Power-transmitting mechanism, Reduction and multi-stroke. C. Reineke. 1,483,012; Feb. 5.
Preservative composition. W. O. Snelling. 1,482,416; Feb. 5.
Presses, Gripper for printing. A. W. Warsen. 1,483,057; Feb. 5.
Projecting machine. G. M. Tucker, jr. 1,483,025; Feb. 5.
Propulsion mechanism. H. M. Cake. 1,482,381; Feb. 5.
Puller: *See*—
Railway-tie puller. Wheel puller.
Pump. A. C. Anderson. 1,482,376; Feb. 5.
Pump. C. C. Carrow. 1,482,784; Feb. 5.
Pump agitator. A. Peterson. 1,482,698; Feb. 5.
Pump, Fuel. A. Sheldon. 1,482,444; Feb. 5.
Pump plunger and crosshead. J. W. Stewart. 1,483,022; Feb. 5.
Pump-rod guide, coupling, and valve cage, Combination. J. G. Dorward. 1,482,542; Feb. 5.
Pump, Tire. J. H. Landes. 1,482,689; Feb. 5.

Pumps and motors, Regulator for rotary. H. W. Newberg. 1,482,807; Feb. 5.
Purse and bill fold, Change. E. Sperling. 1,483,020; Feb. 5.
Quarts working. E. R. Berry. 1,482,455; Feb. 5.
Rack: *See*—
Car basket rack. Display rack.
Corn rack. Music rack.
Radiator. W. Sparks. 1,482,445; Feb. 5.
Radiators, Bushings for tubular. W. J. Buettner. 1,482,542; Feb. 5.
Railway-tie puller. E. H. Fish. 1,482,981; Feb. 5.
Receiver box, Theftproof. L. Wilke. 1,482,719–20; Feb. 5.
Receptacle and cutting board, Combined. L. P. Bonier. 1,483,040; Feb. 5.
Repeptacle, Covered. C. C. Keehn. 1,482,931; Feb. 5.
Receptacle, Refuse. N. S. Hillyard. 1,482,926; Feb. 5.
Reel: *See*—
Paper reel.
Refrigerating system. R. A. Burford, jr. 1,482,730; Feb. 5.
Regulator: *See*—
Gas regulator. Stock regulator.
Liquid-feed regulator.
Regulator. G. M. Hafer. 1,482,791; Feb. 5.
Resawing machines, Adjusting mechanism for. J. Sorenson. 1,482,711; Feb. 5.
Resin and making same, Ketonic. T. S. Huxham. 1,482,929; Feb. 5.
Ribbon carrier and feed mechanism, Endless. W. W. Lasker. 1,482,753; Feb. 5.
Rigging, Coupler release. S. H. Campbell. 1,482,884–5; Feb. 5.
Rim carrier, Spare. N. Jensen. 1,482,997; Feb. 5.
Rim liner. A. I. Levin. 1,482,901; Feb. 5.
Ring: *See*—
Safety ring.
Road-surfacing machine. J. R. and T. B. Moore. 1,482,904; Feb. 5.
Rock, Apparatus for channeling. C. C. Hansen. 1,482,396; Feb. 5.
Roof covering. G. Ritter. 1,483,046; Feb. 5.
Rope-guide device. D. M. Winans. 1,483,031; Feb. 5.
Rotary engine. F. A. Bullington. 1,482,628–9; Feb. 5.
Rubber articles, Machine for and process of making hollow. F. W. Skinner. 1,482,707; Feb. 5.
Rubber flooring and making the same, Reenforced. J. H. Stedman. 1,482,952; Feb. 5.
Ruler, Parallel. C. E. Johnson. 1,482,930; Feb. 5.
Safety hook. K. H. Stolstedt. 1,482,826; Feb. 5.
Safety pin. G. Occhipinti and A. Bianchi. 1,482,657; Feb. 5.
Safety ring. H. L. Smith. 1,482,587; Feb. 5.
Sales-check holder. T. R. F. Potter. 1,482,943; Feb. 5.
Salt and pepper shaker. A. J. Flauder. Des. 63,891; Feb. 5.
Sanding device for mine motors. I. F. White. 1,483,029; Feb. 5.
Satchel clip. R. F. Bracco. 1,482,728; Feb. 5.
Saw set. P. A. Bugge. 1,482,780; Feb. 5.
Scaffold. F. B. Johnston. 1,482,898; Feb. 5.
Scale. C. L. T. Abdisamo. 1,482,959; Feb. 5.
Scooter. P. H. Wisman. 1,483,033; Feb. 5.
Scrapers, Dumping device for. C. Davis. 1,482,509; Feb. 5.
Screw and gear making machine. H. J. Schmick. 1,482,621; Feb. 5.
Seat. A. E. Brooks. 1,482,672; Feb. 5.
Seat construction, Movable. V. A. Rigaumont. 1,482,701; Feb. 5.
Separator: *See*—
Agitation separator. Dress separator.
Sewing-machine attachment for spiral stitching. W. L. Brooks and W. M. Smith. 1,482,907; Feb. 5.
Sewing-machine motor. F. M. Laserson. 1,482,518; Feb. 5.
Sewing-machine-motor bracket. H. D. Flegel. 1,482,464; Feb. 5.
Sewing machine, Shoe. J. H. Reed. 1,482,619; Feb. 5.
Sewing machines, Thread-controlling mechanism for. E. B. Allen. 1,482,671; Feb. 5.
Shade bracket. B. M. Davis. 1,482,975; Feb. 5.
Shade holder. A. J. Tisley. 1,482,957; Feb. 5.
Shade pull. T. S. Wait. 1,482,874; Feb. 5.
Shade-roller holder. M. Maciejko. 1,482,936; Feb. 5.
Shade-supporting means. E. F. Oliver. 1,482,580; Feb. 5.
Shade, Window. J. P. Edwards. 1,482,978; Feb. 5.
Shafting cleaner. L. I. Yeomans. 1,482,775; Feb. 5.
Shale retort. C. J. Dunten. 1,482,677; Feb. 5.
Sharpener, Needle. W. M. Roscoe. 1,482,486; Feb. 5.
Sheet-metal articles, Method of and machine for producing expanded-. L. E. Curtis. 1,482,600; Feb. 5.
Shingle machine. H. Abraham. 1,482,776; Feb. 5.
Shirt and cuff therefor. G. P. Cragin. 1,482,970; Feb. 5.
Shock absorber. J. Grijalva. 1,482,681; Feb. 5.
Shoe last, Expansible. C. Schevitz. 1,482,584; Feb. 5.
Shoe protector. T. B. Murphey. 1,482,575; Feb. 5.
Shoe-tree. A. C. Jackson. 1,482,905; Feb. 5.
Shoveler, Bin. F. Robinson. 1,482,524; Feb. 5.
Shutter mechanism. R. A. Ilg. 1,482,898; Feb. 5.
Shuttle check and binder. A. T. Larin. 1,482,800; Feb. 5.
Sifter. G. J. Ullrich. 1,482,873; Feb. 5.
Sign, Illuminated. E. C. Gmelin. 1,482,790; Feb. 5.
Signal: *See*—
Automobile signal.
Signaling apparatus, Alternating-current. B. P. Hamilton. 1,482,558; Feb. 5.
Signaling system, Composite. B. P. Hamilton. 1,482,557; Feb. 5.
Sizing apparatus. F. Stebler. 1,482,824; Feb. 5.
Skiving machine. J. G. Norton. 1,482,406; Feb. 5.
Sleeve form. H. L. Kelley. 1,482,797; Feb. 5.
Slitting cutter, Rotary. C., F. W., and H. I. Koegel. 1,482,437; Feb. 5.
Spacing rectifier. F. H. Van Houten. 1,482,667; Feb. 5.
Spade. B. P. Joyce. 1,482,400; Feb. 5.
Spark plug. O. A. Godwin. 1,482,552; Feb. 5.
Spark plug. A. E. Workman. 1,482,422; Feb. 5.
Spectacles and the like, Temple for. G. H. Du Paul. 1,482,739; Feb. 5.
Speedometer. J. Berge. 1,482,595; Feb. 5.
Speedometer. J. Berge. 1,482,597; Feb. 5.
Spoon or similar article. W. S. Warren. Des. 63,923; Feb. 5.
Spoon or similar article. F. R. Woodward. Des. 63,924; Feb. 5.
Spraying outfit. F. M. Howe. 1,482,747; Feb. 5.
Spring: *See*—
Compressible spring.
Spring end and bumper support, Combination. V. Link. 1,482,935; Feb. 5.
Spring repairer. G. A. Busse. 1,482,674; Feb. 5.
Spring wheel. M. H. Heinicke. 1,482,746; Feb. 5.
Spring wheel, Resilient. A. D. Wack. 1,483,026; Feb. 5.
Sprocket wheel. H. H. Huntington and E. H. Cureton. 1,482,896; Feb. 5.
Stage effects, Producing. W. L. Ackerman. 1,482,831; Feb. 5.
Stamp-affixing and envelope-sealing machine. H. J. Burr. 1,482,731; Feb. 5.
Statuette. G. H. Roberts. Des. 63,913; Feb. 5.
Statuette or similar miniature figure. G. A. Post. Des. 63,911; Feb. 5.
Steel and producing the same, Superhardened. A. G. E. Hultgren. 1,482,563; Feb. 5.
Stock, Recovery of. C. F. Sisson and H. E. Eurich. 1,482,488; Feb. 5.
Stock regulator. A. T. Hilaman. 1,482,991; Feb. 5.
Stone gatherer. F. A. Shouldice. 1,482,603; Feb. 5.
Stop motion. E. E. Bradley. 1,482,779; Feb. 5.
Storage battery. L. G. Stecker. 1,482,872; Feb. 5.
Stove. A. J. Reedy. 1,482,867; Feb. 5.
Stove, Gas. G. W. Howes. 1,482,897; Feb. 5.
Stoves or furnaces, Agitator or shaker for. N. J. Zuzulin. 1,482,500; Feb. 5.
Street or station indicator. M. Slawienski. 1,482,870; Feb. 5.
Stretcher. J. T. Sheets. 1,482,487; Feb. 5.
Stringed instruments, Bowing mechanism for self-playing. H. K. Sandell. 1,482,620; Feb. 5.
Structures such as roofs, frame walls, and the like, Means of manufacturing space-covering. F. Zollinger. 1,483,037; Feb. 5.
Stud or button, Fastening. E. A. Lillie. Des. 63,904; Feb. 5.
Stud, Shirt. P. Cohen. 1,482,385; Feb. 5.
Stud, Tubular. W. A. Reinhardt. 1,483,045; Feb. 5.
Sublimator. J. Hortvet. 1,482,684; Feb. 5.
Submarine sounds, Direction detector for. R. D. Fay. 1,482,980; Feb. 5.
Support, Adjustable. J. L. Saunders. 1,483,051; Feb. 5.
Swaging machine. M. C. Zederbaum, J. Fish, jr., and L. J. Kirschenbauer. 1,483,038; Feb. 5.
Switch: *See*—
Distributing switch. Electric switch.
Switch box. C. Raus. 1,482,865; Feb. 5.
Switch-control device. H. J. L. Frank. 1,482,020; Feb. 5.
Syringe. E. H. Kohnen. 1,482,999; Feb. 5.
Tablet holder. E. Oswald. 1,482,659; Feb. 5.
Tack-feeding apparatus. J. Shliekr. 1,482,767; Feb. 5.
Talking-machine picture exhibitor. W. J. Donaldson. 1,482,387; Feb. 5.
Telephone-exchange system. L. Poliukowsky and W. H. Matthies. 1,482,618; Feb. 5.
Telephone receiver. G. M. Stratton. 1,482,588; Feb. 5.
Telescope adjustment. P. J. Berggren. 1,482,881; Feb. 5.
Textile fabric. M. Rothschild. Des. 63,914; Feb. 5.
Textile fabric or similar article. W. H. Adams. Des. 63,864; Feb. 5.
Textile machine. E. F. Hathaway and C. Lea. 1,482,648; Feb. 5.
Therapeutic device, Electrical. S. E. Peden. 1,483,010; Feb. 5.
Thread-parting mechanism. J. Northrop. 1,482,808; Feb. 5.
Threads or other cellulose fibers, Manufacturing artificial-silk. L. S. Converse. 1,482,386; Feb. 5.
Threading machine. E. H. Wilson. 1,482,829; Feb. 5.
Tire. R. T. Howes. Des. 63,899; Feb. 5.
Tire. H. J. Hoyt. Des. 63,900; Feb. 5.
Tire alarm. H. H. Clarke. 1,482,737; Feb. 5.
Tire, Automobile. E. W. Bierman. Des. 63,870; Feb. 5.
Tire cover. F. R. Goehner. 1,482,892; Feb. 5.

Tire tread, Pneumatic. H. S. Berlin. Des. 63,869; Feb. 5.
Tire, Vehicle. O. W. Daum. Des. 63,864; Feb. 5.
Tires, Apparatus for handling air bags in the manufacture of. H. D. Stevens. 1,482,446; Feb. 5.
Toilet device. W. E. Wyatt. 1,483,035; Feb. 5.
Toilet-seat cover. A. Juline. 1,482,749; Feb. 5.
Tongs. C. N. Buchanan. 1,482,380; Feb. 5.
Tool, Combination. O. E. Fowler. 1,482,982; Feb. 5.
Tool holder. D. H. Dugar. 1,482,916; Feb. 5.
Toy. W. H. J. Downey. 1,482,976; Feb. 5.
Toy animal. G. B. Barons. Des. 63,866; Feb. 5.
Toy animal. W. B. Scott. Des. 63,918; Feb. 5.
Toy davenport. H. Green. 1,482,922; Feb. 5.
Toy or miniature railway. C. T. and A. R. Fergusson. 1,482,641; Feb. 5.
Toy railway. A. R. Fergusson. 1,482,635–8; Feb. 5.
Toy railway crossover. A. R. Fergusson. 1,482,632; Feb. 5.
Toy railway crossover. A. R. Fergusson. 1,482,639; Feb. 5.
Toy railway switch. A. R. Fergusson. 1,482,633; Feb. 5.
Toy railways, Switch mechanism for. A. R. and C. T. Fergusson. 1,482,640; Feb. 5.
Toy switch. A. R. Fergusson. 1,482,634; Feb. 5.
Traction engine. C. L. Best. 1,482,726; Feb. 5.
Tractor brake. J. Whyel. 1,482,877; Feb. 5.
Tractor, Device for controlling drawn implements from the seat of a. J. A. Hall. 1,482,556; Feb. 5.
Tractor wheel. J. H. Clark and T. C. Whitehead. 1,482,913; Feb. 5.
Train-control mechanism, Automatic. R. L. Miller. 1,482,655; Feb. 5.
Transfer apparatus. J. W. Free. 1,482,921; Feb. 5.
Transmission mechanism. C. M. Hamshaw. 1,482,608; Feb. 5.
Transmission mechanism, One-way. E. L. Wiegand. 1,482,451; Feb. 5.
Trap: *See*—
Boll-weevil trap. Insect trap.
Gas trap.
Traps and the like, Float for steam. J. R. Brown. 1,482,882; Feb. 5.
Tree: *See*—
Shoe-tree.
Trestle, Carpenter's. S. Condon. 1,482,598; Feb. 5.
Trolling winch, Automatic. J. C. Jespersen. 1,482,469; Feb. 5.
Truck, Elevating. F. L. Eidmann. 1,482,429; Feb. 5.
Truck, Mining-machine. R. Norman. 1,483,053; Feb. 5.
Truck, Six-wheel. W. F. Kiesel, jr. 1,482,750; Feb. 5.
Trunks, Receptacle retainer for. C. P. Albert. 1,482,878; Feb. 5.
Turbine, Steam. M. de Coninck. 1,482,602; Feb. 5.
Turbine utilising elastic motive fluids. E. Schlumpf. 1,482,526; Feb. 5.
Turbines, Operating mechanism for hydraulic. L. F. Moody. 1,482,405; Feb. 5.
Turning and drilling machine. G. H. Fagan. 1,482,979; Feb. 5.
Typesetting machines, Adjustable chute spring for. R. Shields. 1,483,017; Feb. 5.
Typewriting machine. G. W. Campbell. 1,482,733; Feb. 5.
Typewriting machines, Carriage-brake mechanism for. H. A. Footborop. 1,482,512; Feb. 5.
Typewriters, Paper separator for. C. W. Marsh. 1,482,692; Feb. 5.
Uppers, Machine for and methods of shaping. L. F. Griffin. 1,482,394; Feb. 5.
Uppers over lasts, Machine for shaping. C. F. Pym. 1,482,410; Feb. 5.
Valve. W. J. Brooks. 1,483,041; Feb. 5.
Valve. G. Esoph, jr. 1,482,550; Feb. 5.
Valve. J. J. Kenney. 1,482,798; Feb. 5.
Valve extractor for wells. R. L. Wyckoff. 1,483,036; Feb. 5.
Valve fitting. J. J. Smith. 1,482,948; Feb. 5.
Valve, Float-controlled. J. Bergner. 1,482,505; Feb. 5.
Valve for hydraulic apparatus, Control. F. C. Emrick. 1,482,463; Feb. 5.
Valve, Irrigating. H. J. and J. B. Brubaker. 1,482,836; Feb. 5.
Valve mechanism, Engine. J. C. Glenn. 1,482,393; Feb. 5.
Valve mounting. C. H. Wills. 1,482,774; Feb. 5.
Valve parts, Machine for assembling. H. P. Kraft. 1,482,687; Feb. 5.
Valve, Signal. F. N. Kelsey. 1,482,517; Feb. 5.
Valve stem and pressure gauge, Combination. N. T. Shorts. 1,482,947; Feb. 5.
Valves, End plate for cut-out. E. Ryder. 1,482,413; Feb. 5.
Vanity box. C. E. Dodson. 1,482,786; Feb. 5.
Vaults and similar structures, Lining plate for bank. H. W. Mowery. 1,482,480; Feb. 5.
Vehicle, Dumping. L. F. Young and W. Ferris. 1,482,423; Feb. 5.
Vehicles, Brake mechanism for motor. D. H. Schall. 1,482,816; Feb. 5.
Vehicles, Braking mechanism for wheeled. H. C. Buchwald. 1,482,729; Feb. 5.
Vehicles, Dirigible headlight construction for motor. O. C. Hughes. 1,482,683; Feb. 5.
Vehicles, Emergency brake for motor. T. A. Arnold. 1,482,538; Feb. 5.
Vehicles, Extricating device for motor. W. C. E. Carlson. 1,482,382; Feb. 5.
Vehicles, Fuel system for motor. E. W. Weaver. 1,482,495; Feb. 5.
Vehicles, Luggage carrier for motor. S. Terrell. 1,482,770; Feb. 5.
Vehicles, Power attachment for motor. B. D. Barton. 1,482,880; Feb. 5.
Vehicles, Steering-knuckle construction for. R. M. Lovejoy. 1,483,003; Feb. 5.
Vehicles, Tipping gear for motor road. M. F. Edwards. 1,482,510; Feb. 5.
Ventilator: *See*—
Glass ventilator. Window ventilator.
Ventilator. T. A. Jenkins. 1,482,435; Feb. 5.
Vessels, applicable to other similar purposes, Hatch covering for navigable. W. G. Read. 1,483,011; Feb. 5.
Visors, Hinge for vehicle. H. R. Churchill. 1,482,784; Feb. 5.
Waiter, Sanitary. M. A. High. 1,482,925; Feb. 5.
Washer: *See*—
Can washer.
Washing machine and table, Combination. J. F. Gilchriat. 1,482,742; Feb. 5.
Watchcase. O. A. Starke. Des. 63,920; Feb. 5.
Water heater. E. Ruud. Re15,753; Feb. 5.
Water-softening material, Making. S. Dahl-Roda. 1,482,601; Feb. 5.
Webs, Process and apparatus for producing multiple-ply. J. A. B. Smith. 1,483,047; Feb. 5.
Welded column and making it. L. Braisted. 1,482,541; Feb. 5.
Welding metal receptacles. W. Wagner. 1,483,027; Feb. 5.
Welding, Method and apparatus for. W. P. Shipman. 1,482,818; Feb. 5.
Well agitator, Oil-. T. H. Gallagher. 1,482,845; Feb. 5.
Well-drilling apparatus, Fluid operated. C. C. Scharpenberg. 1,482,702; Feb. 5.
Wheel: *See*—
Ball-bearing wheel. Sprocket wheel.
Spring wheel. Tractor wheel.
Wheel puller. P. G. Neill. 1,482,694; Feb. 5.
Wheels, Mold for making fabric disks for vehicle. A. E. Hall. 1,482,555; Feb. 5.
Wheels, Traction attachment for tractor. V. L. Ewan. 1,482,430; Feb. 5.
Winding apparatus. J. B. Calkins. 1,482,909; Feb. 5.
Window guard, Bank-teller's. J. N. Banitt and J. Thiemann. 1,482,961; Feb. 5.
Window, Insectproof sliding sash. H. C. L. Aus. 1,482,426; Feb. 5.
Window sash, Device for operating and locking a swinging. S. H. Newberry. 1,482,696; Feb. 5.
Window, Sliding glass. R. M. Chambers and J. Jackson. 1,482,383; Feb. 5.
Window ventilator. R. F. Dolezal. 1,482,915; Feb. 5.
Windshield wiper. A. F. Dooley. 1,482,428; Feb. 5.
Windshield wiper. J. J. Sullivan. 1,482,448; Feb. 5.
Wirebound box. C. A. Cummings. 1,482,971; Feb. 5.
Wire-drawing block, Slow-starting. C. H. Oslund. 1,482,861; Feb. 5.
Wire-drawing drums, Stringing-up device for. C. H. Oslund. 1,482,860; Feb. 5.
Wire-drawing drums, Stringing-up or drawing-through device for. C. H. Oslund. 1,482,859; Feb. 5.
Wire-line clamp. F. E. Crotto. 1,482,460; Feb. 5.
Wire-rope sprocket, Releasable. J. D. Russ. 1,482,944; Feb. 5.
Woodworking machine. L. de Linieres. 1,482,631; Feb. 5.
Wreath. L. Alter and G. Stanyo. 1,482,537; Feb. 5.
Wrench: *See*—
Pipe wrench.
Wrench. T. J. Colihan. 1,482,508; Feb. 5.
Wrench. E. R. Smith and J. A. Crosby. 1,483,019; Feb. 5.
Yokes, Forming drawbar. H. P. Orr. 1,482,697; Feb. 5.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 5, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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8.3: 1,482,771
2— 11: 1,482,560
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197— 64: 1,482,512
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200— 27: 1,482,686
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214— 122: 1,482,[illegible]
215— 38: 1,482,[illegible]
216— 3: 1,482,771
217— 12: 1,482,971
69: 1,482,417
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219— 10: 1,482,541
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220— 4: 1,482,[illegible]
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221— 52: 1,482,[illegible]
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62: 1,482,780
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305— 9: 1,482,726

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Hairpins. 179,522; Feb. 12; Serial No. 186,403; published Nov. 27, 1923.

Adot, N. y Hno., Buenos Aires, Argentina. Hempen pumps (alpargatas). 179,508; Feb. 12; Serial No. 182,952; published Nov. 27, 1923.

Adsit and Rugg Inc., Burlington, Vt. Sheep-lined coats and vests, fur coats, hosiery, etc. 179,503; Feb. 12; Serial No. 174,421; published Nov. 20, 1923.

Albert Lea Bottling Works, Albert Lea, Minn. Root beer. 179,793; Feb. 12.

Allied Packers, Incorporated, Chicago, Ill. Fresh meats, butter, eggs, etc. 179,474; Feb. 12; Serial No. 163,309; published Nov. 20, 1923.

Alvord, Josephine L., Henderson, N. Y. Pelts of fur-bearing animals. 179,538; Feb. 12; Serial No. 165,776; published Dec. 4, 1923.

American Chemical Paint Company, Philadelphia, Pa. Water-soluble white powder for removing oil and grease, etc. 179,604; Feb. 12; Serial No. 181,235; published Nov. 20, 1923.

American Hone Co., Olean, N. Y. Hone. 179,739; Feb. 12; Serial No. 185,287; published Nov. 20, 1923.

American Knit Products Company. (See Marshall, Ethel L., assignor.)

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Needles, crochet hooks, and thimbles. 179,496; Feb. 12; Serial No. 180,202; published Nov. 27, 1923.

Americanese Society of New York. (See Boals, Clarence P.)

Anderson, Embry E., Memphis, Tenn. Oats for use as stock feed. 179,446; Feb. 12; Serial No. 175,835; published Nov. 20, 1923.

Anderson, Embry E. Memphis, Tenn. Oats for use as stock feed. 179,450; Feb. 12; Serial No. 175,837; published Nov. 20, 1923.

Anglo-American Mill Company. (See Sandefur, Charles O., assignor.)

Ansonia O & C Co., The, Ansonia, Conn. Elastic webbing. 179,654; Feb. 12; Serial No. 184,954; published Nov. 27, 1923.

Apter Co., Inc., The, New York, N. Y. Hosiery. 179,699; Feb. 12; Serial No. 184,577; published Nov. 27, 1923.

Archbold-Giger & Co., Paterson, N. J. Wheat flour. 179,463; Feb. 12; Serial No. 181,808; published Nov. 20, 1923.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 179,609; Feb. 12; Serial No. 182,494; published Nov. 27, 1923.

Associated Oil Company, San Francisco, Calif. Kerosene. 179,684; Feb. 12; Serial No. 184,015; published Nov. 27, 1923.

Atlantic Metal Hose Co., Inc., New York, N. Y. Flexible metal hose. 179,588; Feb. 12; Serial No. 180,684; published Dec. 4, 1923.

Automobile Proprietary, Limited, The, Westminster and London, England. Squash balls. 179,725; Feb. 12; Serial No. 186,686; published Nov. 27, 1923.

B. and T. Varnish Company, Cincinnati, Ohio. Uncolored varnish for linoleum and congoleum rugs, etc. 179,689; Feb. 12; Serial No. 184,113; published Nov. 27, 1923.

Baca, G., Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Canned chili. 179,529; Feb. 12; Serial No. 179,349; published Nov. 20, 1923.

Bacon, Charles F., trustee, Toledo, Ohio. Mirrored lenses as light transmitting and reflecting devices. 179,574; Feb. 12; Serial No. 179,024; published Nov. 20, 1923.

Ball, C. S., Candy Co., The, Dayton, Ohio. Candies. 179,709; Feb. 12; Serial No. 185,856; published Nov. 27, 1923.

Ballard & Ballard Company, Louisville, Ky. Wheat flour. 179,514; Feb. 12; Serial No. 159,337; published Nov. 20, 1923.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics—viz, silk knitted crepe. 179,752; Feb. 12; Serial No. 175,378; published May 1, 1923.

Barbian y Rimathé, Flor., Malaga, Spain. Olive oil. 179,585; Feb. 12; Serial No. 180,320; published Dec. 4, 1923.

Barbour Brothers Co., The, Paterson, N. J. Shoe thread. 179,566; Feb. 12; Serial No. 160,335; published June 26, 1923.

Barnsdall Refining Company, Tulsa, Okla. Fuel oils, motor-lubricating oils, and lubricants. 179,565; Feb. 12; Serial No. 158,560; published Nov. 27, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Confection. 179,499; Feb. 12; Serial No. 181,289; published Nov. 20, 1923.

Baylis, A. W., Co., New York, N. Y. Table damasks. 179,697; Feb. 12; Serial No. 184,632; published Nov. 20, 1923.

Beaton, J. R., Co. Inc., New York, N. Y. Laundry and toilet soap. 179,734; Feb. 12; Serial No. 185,405; published Nov. 20, 1923.

Beech-Nut Packing Company, Canajoharie, N. Y. Ice cream. 179,567; Feb. 12; Serial No. 159,687; published Nov. 13, 1923.

Beesemyer-Waggoner, Inc., Los Angeles, Calif. Canned fruits and vegetables. 179,715; Feb. 12; Serial No. 185,650; published Nov. 20, 1923.

Benn Chemical Co. (See Oakley, Richard A.)

Berger, Isodor, doing business as Eclipse Knitting Mills, Newark, N. J. Sweaters. 179,608; Feb. 12; Serial No. 181,719; published Nov. 20, 1923.

Berliner, Edwin E., & Co., New York, N. Y. Cotton piece goods. 179,490; Feb. 12; Serial No. 171,444; published Nov. 13, 1923.

Bettmann-Kleinhauser Clothing Company, St. Louis, Mo. Suits and overcoats for children and men. 179,429; Feb. 12; Serial No. 183,782; published Nov. 20, 1923.

Blechman, S., & Sons, Inc., New York, N. Y. Combs, barrettes, hairpins, pins, etc. 179,663; Feb. 12; Serial No. 184,160; published Nov. 27, 1923.

Block, Isaac E., doing business as Peggy Page Candy Co., Chicago, Ill. Candies. 179,569; Feb. 12; Serial No. 162,237; published Dec. 4, 1923.

Boals, Clarence P., doing business as The Americanese Society of New York, Buffalo, N. Y. Instruction books. 179,430; Feb. 12; Serial No. 183,793; published Nov. 20, 1923.

Bobet Brothers, Inc., New Orleans, La. Staves. 179,580; Feb. 12; Serial No. 179,581; published Dec. 4, 1923.

Bourbon-Ola Company, Inc., The, Paris, Ky. Sirup for making of beverages. 179,623; Feb. 12; Serial No. 186,101; published Nov. 20, 1923.

Bradley, Carrie E., Cincinnati, Ohio. Monthly publication. 179,716; Feb. 12; Serial No. 185,407; published Nov. 20, 1923.

Brawner, Henry N., jr., doing business as Chestnut Farms Dairy, Washington, D. C. Butter. 179,470; Feb. 12; Serial No. 161,348; published Nov. 20, 1923.

Bridge-Sullivan Manufacturing Company, Seattle, Wash. Stains, varnishes, fillers, and paints. 179,680; Feb. 12; Serial No. 183,249; published Nov. 27, 1923.

Bull Dog Plaster Grip Company, Oakland, Calif. Fasteners for securing and spacing metal lath. 179,584; Feb. 12; Serial No. 180,324; published Dec. 4, 1923.

Bush, W. J., & Co., Inc., New York, N. Y. Toilet water. 179,769; Feb. 12.

Cabell Corporation of Baltimore City, The, Baltimore, Md. Imitation vanilla. 179,671; Feb. 12; Serial No. 183,194; published Nov. 20, 1923.

California Co-Operative Canneries, San Francisco, Calif. Fruit salad, canned fruits and vegetables. 179,571; Feb. 12; Serial No. 178,222; published Dec. 4, 1923.

California Crushed Fruit Company, Los Angeles, Calif. Beverages, concentrates, and compounds for making the same. 179,626; Feb. 12; Serial No. 186,349; published Nov. 20, 1923.

California Laboratories, Inc., Los Angeles, Calif. Non-alcoholic, maltless beverages, root beer, root-beer extracts, and sirups for making soft drinks. 179,738; Feb. 12; Serial No. 184,587; published Nov. 27, 1923.

Can Vas Bak Products Co. (See Hostetter, David B.)

Caporale, Pasquale A., doing business as Leoncavallo Sauce Company, Philadelphia, Pa. Spaghetti, spaghetti sauces, and cheese. 179,501; Feb. 12; Serial No. 181,938; published Nov. 27, 1923.

Caporale, Pasquale A., doing business as Leoncavallo Sauce Company, Philadelphia, Pa. Spaghetti, spaghetti sauces and cheese. 179,633; Feb. 12; Serial No. 181,936; published Nov. 27, 1923.

Caporale, Pasquale A., doing business as Leoncavallo Sauce Company, Philadelphia, Pa. Spaghetti, spaghetti sauces, and cheese. 179,638; Feb. 12; Serial No. 181,937; published Nov. 27, 1923.

Carley, Rice Company, Milwaukee, Wis. Underwear for men. 179,525; Feb. 12; Serial No. 176,600; published Nov. 27, 1923.

Cathcart, Herbert J., doing business as The Cathcart Company, New York, N. Y. Cotton piece goods. 179,760; Feb. 12; Serial No. 177,546; published June 12, 1923.

Caulk, L. D., Company, The, Milford, Del. Medicated soap. 179,735; Feb. 12; Serial No. 185,412; published Nov. 20, 1923.

Central Wholesale Grocers, Inc., Chicago, Ill. Canned vegetables. 179,747; Feb. 12; Serial No. 170,559; published Nov. 27, 1923.

Chandlee, H. P., Sons Co., Baltimore, Md. Ash, garbage, and oil cans, trash burners, ash sifters, etc. 179,720; Feb. 12; Serial No. 185,106; published Nov. 27, 1923.

Chapman, Cora E., San Bernardino, Calif. Nonalcoholic, maltless beverage and sirup for making same. 179,464; Feb. 12; Serial No. 181,434; published Nov. 27, 1923.
Chas. Douglis Mack Co., New York, N. Y. Men's, young men's, and boys' clothes. 179,686; Feb. 12; Serial No. 184,069; published Dec. 4, 1923.
Chekflo Associates, New York, N. Y. Pipe couplings. 179,791; Feb. 12.
Chesterfield Tire and Rubber Co. (Not Incorporated), The. (See Grinberg, Abraham.)
Chestnut Farms Dairy. (See Brawner, Henry N. J.)
Chiswick Polish Co. Ltd., The, Chiswick, London, England. Polishes for furniture, floors, and automobiles. 179,681; Feb. 12; Serial No. 183,731; published Dec. 4, 1923.
Choate, Nellita N., Los Angeles, Calif. Pen name or nom de plume on newspaper articles. 179,513; Feb. 12; Serial No. 161,967; published Nov. 20, 1923.
Clark, W. L. M., Incorporated, St. Louis, Mo. Braid elastic goods. 179,719; Feb. 12; Serial No. 185,107; published Nov. 27, 1923.
Clio & Cie., Inc., New York, N. Y. Shaving soaps and creams. 179,603; Feb. 12; Serial No. 181,247; published Nov. 20, 1923.
Coast Fishing Company, Wilmington, Calif. Canned sardines. 179,508; Feb. 12; Serial No. 185,919; published Nov. 27, 1923.
Coast Specialty Sales Company, Oakland, Calif. Skuff and step plates for vehicles. 179,587; Feb. 12; Serial No. 180,689; published Nov. 27, 1923.
Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 179,507; Feb. 12; Serial No. 179,518; published Dec. 4, 1923.
Columbia Knitting Mills, Portland, Oreg. Sweaters, dresses, suits, scarfs, etc. 179,782; Feb. 12.
Comstock, Dorothy D., Boston, Mass. Collapsible baby crib. 179,683; Feb. 12; Serial No. 183,909; published Nov. 27, 1923.
Confection Products Inc., Jersey City, N. J. Chocolate-covered candy bar. 179,711; Feb. 12; Serial No. 185,818; published Nov. 27, 1923.
Coulapides, A., Inc., New York, N. Y. Cigarettes and tobacco. 179,432; Feb. 12; Serial No. 184,392; published Nov. 20, 1923.
Cross, Charles, San Francisco, Calif. Occasional or monthly publication. 179,594; Feb. 12; Serial No. 177,476; published Nov. 20, 1923.
Crowley, Charles H., New York, N. Y. Snap fasteners. 179,721; Feb. 12; Serial No. 185,075; published Nov. 27, 1923.
Crowley, Charles H., New York, N. Y. Safety pins. 179,722; Feb. 12; Serial No. 185,074; published Nov. 27, 1923.
Deane Plaster Co., The, Yonkers, N. Y. Adhesive tapes. 179,509; Feb. 12; Serial No. 170,971; published Nov. 20, 1923.
De Land Citrus Growers Assn., De Land, Fla. Fresh citrous fruits. 179,488; Feb. 12; Serial No. 172,863; published Dec. 4, 1923.
Delico Products Company, Sheridan, Wyo. Frozen confections, etc. 179,530; Feb. 12; Serial No. 163,673; published Nov. 27, 1923.
De Long Hook and Eye Company, The, Philadelphia, Pa. Hooks and eyes, safety pins, and toilet pins. 179,703; Feb. 12; Serial No. 186,114; published Nov. 27, 1923.
Dempster, James C., Toronto, Ontario, Canada. Bread. 179,741; Feb. 12; Serial No. 182,704; published Nov. 20, 1923.
Denison Bottling Works. (See Mitchell, James A.)
Derrick Publishing Company, The, Oil City, Pa. Weekly periodical. 179,673; Feb. 12; Serial No. 183,436; published Nov. 27, 1923.
Derrick Publishing Company, The, Oil City, Pa. Daily periodical. 179,675; Feb. 12; Serial No. 183,435; published Nov. 27, 1923.
Detroit Hosiery Company, Detroit, Mich. Hosiery. 179,763; Feb. 12; Serial No. 177,964; published Dec. 4, 1923.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Laminated phenolic condensation product. 179,667; Feb. 12; Serial No. 183,442; published Nov. 27, 1923.
Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Laminated phenolic condensation product. 179,668; Feb. 12; Serial No. 183,439; published Nov. 27, 1923.
Dingfelder & Balish, New York, N. Y. Onions. 179,661; Feb. 12; Serial No. 184,604; published Nov. 6, 1923.
Dodge, F. W., Corpofation, New York, N. Y. Monthly magazine. 179,618; Feb. 12; Serial No. 185,570; published Nov. 20, 1923.
Dodge, F. W., Corporation, New York, N. Y. Weekly magazine. 179,619–20; Feb. 12; Serial Nos. 185,571–2; published Nov. 20, 1923.
Dorgan, Wm. J., doing business as W. J. Dorgan Co., Riverside, Calif. Canned fruits and vegetables. 179,517; Feb. 12; Serial No. 186,271; published Nov. 27, 1923.
Drew, E. F., & Co., Inc., New York, N. Y., doing business in Boston, Mass., as J. A. Mosse. Nut butter. 179,475; Feb. 12; Serial No. 163,617; published Nov. 20, 1923.
Eastern Foundry Company, The, Boyerstown, Pa. Cast-iron pipes, cast-iron bends, etc. 179,575; Feb. 12; Serial No. 178,557; published Nov. 27, 1923.
Eclipse Knitting Mills. (See Berger, Isodor.)
Edge Hill Silica Rock Company, New Brunswick, N. J. Linings in block form and in the nature of fire brick. 179,777; Feb. 12.
Electric Boat Company, Bayonne, N. J. Boats. 179,642; Feb. 12; Serial No. 182,706; published Nov. 27, 1923.
Ely & Walker Dry Goods Company, St. Louis, Mo. Men's neckties. 179,431; Feb. 12; Serial No. 184,440; published Nov. 20, 1923.
Emack, John D., Company, The, Philadelphia, Pa. Roofing slate. 179,573; Feb. 12; Serial No. 179,034; published Nov. 27, 1923.
Engineer Company, The, New York, N. Y. Oil burners, balanced draft equipment for furnaces, etc. 179,743; Feb. 12; Serial No. 181,882; published Nov. 20, 1923.
Erdmann, Emil W., St. Louis, Mo. Automobile bodies, tops, and wheels. 179,467; Feb. 12; Serial No. 154,016; published Nov. 20, 1923.
Everett, Heaney & Co. Inc., New York, N. Y. Cotton piece goods. 179,492; Feb. 12; Serial No. 173,182; published Dec. 4, 1923.
Famous Tailors Corporation, Chicago, Ill. Men's suits and overcoats. 179,536; Feb. 12; Serial No. 165,491; published Dec. 4, 1923.
Farley, Ernst W., doing business as Richmond Engineering Company, Richmond, Va. Septic, gasoline, and gasoline truck tanks, etc. 179,664; Feb. 12; Serial No. 183,942; published Nov. 27, 1923.
Farmers Milling Co. Inc., Weyers Cave, Va. Plain wheat flour and self-rising wheat flour. 179,456; Feb. 12; Serial No. 177,965; published Nov. 20, 1923.
Federal Fruit Distributors, Fresno, Calif. Fresh grapes, peaches, plums, and citrous fruits. 179,641; Feb. 12; Serial No. 182,374; published Dec. 4, 1923.
Ferris, William S., doing business as Domore Chair Company, Elkhart, Ind. Office, household, and factory chairs. 179,678; Feb. 12; Serial No. 183,102; published Nov. 27, 1923.
Financier Publishing Co., The, New York, N. Y. Financial magazine. 179,655; Feb. 12; Serial No. 184,903; published Nov. 20, 1923.
Fishback Co., The, Indianapolis, Ind. Coffee. 179,537; Feb. 12; Serial No. 166,671; published Dec. 4, 1923.
Fortuna-Werke Spezialmaschinenfabrik G. m. b. H., Cannstatt, Germany. Optical apparatus, drawing and copying apparatus, etc. 179,639; Feb. 12; Serial No. 182,507; published Dec. 4, 1923.
Fortuna-Werke Spezialmaschinenfabrik G. m. b. H., Cannstatt, Germany. Machines and apparatus for working leather, etc. 179,644; Feb. 12; Serial No. 182,508; published Dec. 4, 1923.
Foster Honey & Merc Co., The, Boulder, Colo. Honey. 179,770; Feb. 12.
Foster, L. B., Co. Inc., Pittsburgh, Pa. New and renewed steel rails. 179,687–8; Feb. 12; Serial Nos. 184,072–3; published Dec. 4, 1923.
Franklin Ice Cream Company, Kansas City, Mo. Ice cream. 179,674; Feb. 12; Serial No. 183,649; published Nov. 27, 1923.
Frazier, John L., Washington, D. C. Daily publication. 179,433; Feb. 12; Serial No. 184,129; published Nov. 20, 1923.
Frederiksen, Felix M., Little Falls, N. Y. Cheese. 179,453; Feb. 12; Serial No. 176,735; published Sept. 4, 1923.
French, R. T., Company, The, Rochester, N. Y. Prepared mustard. 179,786; Feb. 12.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties and cravats. 179,443; Feb. 12; Serial No. 185,290; published Nov. 20, 1923.
Fulton Bag & Cotton Mills, Atlanta, Ga. Waterproof duck and tarpaulins. 179,434; Feb. 12; Serial No. 184,545; published Nov. 20, 1923.
General Gas Mantle Co., Camden, N. J. Heating apparatus. 179,717; Feb. 12; Serial No. 185,354; published Nov. 27, 1923.
Gerber & Co. Ltd., Thoune, Switzerland. Cheese. 179,562; Feb. 12; Serial No. 158,380; published Dec. 4, 1923.
Giguet, Julien, Lyon, France. Hair nets. 179,578; Feb. 12; Serial No. 180,176; published Nov. 20, 1923.
Giguet, Julien, Lyon, France. Hair nets. 179,583; Feb. 12; Serial No. 180,177; published Nov. 20, 1923.
Gill Brothers Company, Steubenville, Ohio. Lamp wick. 179,660; Feb. 12; Serial No. 184,665; published Nov. 27, 1923.
Globe Import Company. (See Richter, Julius.)
Goodyear Tire & Rubber Company, The, Akron, Ohio. Hose composed of fabric and rubber. 179,511; Feb. 12; Serial No. 111,518; published Nov. 27, 1923.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Vehicle tires and tubes composed wholly or in part of rubber. 179,515; Feb. 12; Serial No. 174,242; published Nov. 27, 1923.
Gorham Manufacturing Company, Providence, R. I. Crockery and porcelain. 179,558; Feb. 12; Serial No. 152,251; published Nov. 20, 1923.
Gracenet Company, Inc., The, New York, N. Y. Hair nets. 179,577; Feb. 12; Serial No. 179,147; published Nov. 20, 1923.
Greever, William, doing business as Wundamova Company, Knoxville, Tenn. Cleansing preparation. 179,621; Feb. 12; Serial No. 185,579; published Nov. 20, 1923.

Greilich, William, & Sons, Inc., Brooklyn, N. Y. Infants' suits. 179,572; Feb. 12; Serial No. 178,098; published Nov. 27, 1923.
Greick, William P. M., St. Paul, Minn. Bread. 179,472; Feb. 12; Serial No. 162,815; published Nov. 20, 1923.
Grinberg, Abraham, doing business as The Chesterfield Tire and Rubber Co. (Not Incorporated), Chicago, Ill. Solid and pneumatic rubber tires and tires composed of rubber fabric. 179,494; Feb. 12; Serial No. 179,468; published Nov. 27, 1923.
Grosner, Milich Company, Inc., New York, N. Y. Men's shirts, collars, cravats, nightshirts, and pyjamas. 179,586; Feb. 12; Serial No. 180,700; published Nov. 27, 1923.
Guarantee Remedies Company, The, Asheville, N. C. Medicines for use in the treatment of dogs for distemper, mange, etc. 179,781; Feb. 12.
Guardian Gas Appliance Company, The. Stoves, gas fireplace heaters, and incinerators. 179,656; Feb. 12; Serial No. 184,852; published Nov. 27, 1923.
Gummed Products Company, The, Troy, Ohio. Dress forms. 179,505; Feb. 12; Serial No. 182,537; published Nov. 27, 1923.
Hartwell Brothers, Memphis, Tenn. Ax, adze, pick, sledge, etc., tool handles. 179,647; Feb. 12; Serial No. 182,908; published Nov. 27, 1923.
Hathaway & Reynolds, Oriskany Falls and New York, N. Y. Sweaters, knit coats, and bathing suits. 179,622; Feb. 12; Serial No. 185,658; published Dec. 4, 1923.
Hatjy, George, Bros., New York, N. Y. Shoe lacers. 179,737; Feb. 12; Serial No. 184,402; published Nov. 20, 1923.
Havard, Harold H., Berkeley, Calif. Playing cards. 179,628; Feb. 12; Serial No. 186,706; published Nov. 27, 1923.
Hellwig, Charles A., San Francisco, Calif. Cake. 179,744; Feb. 12; Serial No. 181,988; published Nov. 20, 1923.
Hellyer, Clement D., doing business as Hellyer Steel Parts Company, Los Angeles, Calif. Piston rings. 179,783; Feb. 12.
Hershey Chocolate Company, Hershey, Pa. Chocolates. 179,518; Feb. 12; Serial No. 186,185; published Nov. 27, 1923.
Hirsh, Wickwire Company, Chicago, Ill. Men's outer garments or clothing. 179,534; Feb. 12; Serial No. 165,192; published Dec. 4, 1923.
Hochman & Wertheim, Brooklyn, N. Y. Bread. 179,449; Feb. 12; Serial No. 176,079; published Nov. 20, 1923.
Hoffman, E. A., Candy Co., Los Angeles, Calif. Candy. 179,636; Feb. 12; Serial No. 182,096; published Dec. 4, 1923.
Hoffman, Joseph S., Baltimore, Md. Boys' and children's outer-wear suits. 179,645; Feb. 12; Serial No. 182,970; published Dec. 4, 1923.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 179,776; Feb. 12.
Hostetter, David R., doing business as Can Vas Bak Products Co., Indianapolis, Ind. Waterproofing, softening, and preserving preparation for leather. 179,740; Feb. 12; Serial No. 185,251; published Nov. 20, 1923.
Hudnut, Richard, New York, N. Y. Soap. 179,479; Feb. 12; Serial No. 183,880; published Nov. 20, 1923.
Humbird Canning Co., Humbird, Wis. Canned berries and vegetables. 179,598; Feb. 12; Serial No. 179,535; published Nov. 27, 1923.
Ica, Aktiengesellschaft, Dresden, Germany. Photographic lenses. 179,632; Feb. 12; Serial No. 181,075; published Dec. 4, 1923.
Ide, George P., & Company, Inc., Troy, N. Y. Outer dress shirts. 179,540; Feb. 12; Serial No. 166,832; published Nov. 27, 1923.
Ide, George P., & Company, Inc., Troy, N. Y. Outer dress shirts. 179,541; Feb. 12; Serial No. 166,831; published Dec. 4, 1923.
Imperial Ice and Development Company, Riverside, Calif. Ice. 179,611; Feb. 12; Serial No. 182,418; published Nov. 20, 1923.
Inland Rubber Company, Chicago, Ill. Automobile rubber tires. 179,767; Feb. 12.
International Harvester Company, Chicago, Ill. Grain binders, reapers, mowers, hayrakes, etc. 179,631; Feb. 12; Serial No. 181,280; published Dec. 4, 1923.
International Shoe Company, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y. Leather boots and shoes. 179,665; Feb. 12; Serial No. 183,707; published Nov. 27, 1923.
International Shoe Company, St. Louis, Mo. Men's shoes. 179,670; Feb. 12; Serial No. 183,297; published Nov. 27, 1923.
International Shoe Company, St. Louis, Mo. Men's shoes of leather. 179,676; Feb. 12; Serial No. 183,298; published Dec. 4, 1923.
International Standard Exporting Corporation, New York, N. Y. Garters, belts, suspenders, etc. 179,555; Feb. 12; Serial No. 148,076; published Dec. 4, 1923.
Jack's Products Company. (See Piatt, John F.)
Jacobs & Thatcher Co., Brooklyn, N. Y. Ladies' shoes. 179,553; Feb. 12; Serial No. 138,498; published Nov. 13, 1923.
Jaeckel, A., & Co., New York, N. Y. Manufactured furs. 179,500; Feb. 12; Serial No. 182,097; published Nov. 27, 1923.
Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 179,531; Feb. 12; Serial No. 164,645; published Nov. 13, 1923.
Jessup Needle Screen Separator Company, Oakland, Calif. Gravity separators. 179,775; Feb. 12.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Ready-mixed paints. 179,520; Feb. 12; Serial No. 186,553; published Nov. 27, 1923.
Jones, John P., doing business as Pep-So Beverage Company, Fort Morgan, Colo. Maltless, nonalcoholic beverage sirup. 179,482; Feb. 12; Serial No. 184,340; published Nov. 27, 1923.
Josephson, Samuel, doing business as Josephson Brothers, New York, N. Y. Cigars. 179,790; Feb. 12.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Golf balls. 179,627; Feb. 12; Serial No. 186,429; published Nov. 27, 1923.
Kaustine Company, Inc., Buffalo, N. Y. Tanks for chemical toilets, septic tanks, etc. 179,526; Feb. 12; Serial No. 177,086; published Nov. 27, 1923.
Kellogg, R. M., Co., Three Rivers, Mich. Strawberry plants. 179,497–8; Feb. 12; Serial Nos. 179,870–1; published Nov. 27, 1923.
Kentucky Rock Asphalt Company, Louisville, Ky. Asphalt. 179,677; Feb. 12; Serial No. 183,387; published Nov. 27, 1923.
Kenwood Dairy Company, Chicago, Ill. Raw milk. 179,754; Feb. 12; Serial No. 176,082; published Dec. 4, 1923.
King Features Syndicate, Inc., New York, N. Y. Cartoons. 179,617; Feb. 12; Serial No. 185,468; published Nov. 20, 1923.
King, H. P., Company, The, Bristol, Tenn. Men's and boys' ties, dress and negligee shirts, suits, etc. 179,698; Feb. 12; Serial No. 184,615; published Nov. 27, 1923.
King Milling Co., The, Lowell, Mich. Wheat flour. 179,742; Feb. 12; Serial No. 182,755; published Nov. 20, 1923.
King's Food Products Company, Portland, Oreg. Canned and dehydrated fruits and vegetables. 179,591; Feb. 12; Serial No. 165,392; published Dec. 4, 1923.
Klipstein, Tobias, New York, N. Y. Coats. 179,564; Feb. 12; Serial No. 159,267; published Dec. 4, 1923.
Koppel, Jacob, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 179,441; Feb. 12; Serial No. 185,125; published Nov. 20, 1923.
Korn Bros., New York, N. Y. Sweaters, cardigan jackets, scarfs, bathing suits, etc. 179,442; Feb. 12; Serial No. 185,342; published Nov. 20, 1923.
Kraft, J. L., & Bros. Co., Chicago, Ill. Cheese. 179,451; Feb. 12; Serial No. 177,678; published Nov. 20, 1923.
Kromer Metal Products Co., Chicago, Ill. Sheet-metal gasoline stoves. 179,426; Feb. 12; Serial No. 183,808; published Nov. 27, 1923.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Bread. 179,557; Feb. 12; Serial No. 153,885; published Dec. 4, 1923.
Larabee Flour Mills Corporation, The, Kansas City, Mo. Wheat flour. 179,766; Feb. 12.
Lau, H. P., Co., Lincoln, Nebr. Food-flavoring extracts, salad dressing, etc. 179,593; Feb. 12; Serial No. 177,390; published Nov. 20, 1923.
La Victoria Packing Co. (See Pablo, Baca G.)
Law, Walter B., Dunellen, N. J. Coffee. 179,543; Feb. 12; Serial No. 167,357; published Dec. 4, 1923.
Leather Mat Manufacturing Co., Inc., San Francisco, Calif. Baggage carrier for automobiles. 179,477; Feb. 12; Serial No. 169,978; published Nov. 20, 1923.
Leech, L. Gordon, Washington, D. C. Nonalcoholic, maltless beverage. 179,724; Feb. 12; Serial No. 186,512; published Nov. 27, 1923.
Leo, Albert, doing business as Leo Pectin Company, St. Joseph, Mo. Pectin. 179,672; Feb. 12; Serial No. 183,073; published Nov. 27, 1923.
Leoncavallo Sauce Company. (See Caporale, Pasquale A.)
Leslie-Judge Company, New York, N. Y. Periodicals. 179,685; Feb. 12; Serial No. 183,982; published Nov. 27, 1923.
Level Club, Inc., New York, N. Y. Pamphlets. 179,651; Feb. 12; Serial No. 183,657; published Nov. 27, 1923.
Levenson, Shevelove Co., Inc., Newark, N. J. Wheat flour. 179,473; Feb. 12; Serial No. 161,929; published Nov. 20, 1923.
Levussove, Louis, New York, N. Y. Human and animal hair. 179,758; Feb. 12; Serial No. 177,496; published Dec. 4, 1923.
Lewis, Hubbard and Company, Charleston, W. Va. Coffee. 179,714; Feb. 12; Serial No. 185,712; published Nov. 20, 1923.
Limper, Limperis J., New York, N. Y. Cigarettes. 179,732; Feb. 12; Serial No. 185,787; published Nov. 27, 1923.
Lincoln Paint & Color Company, Lincoln, Nebr. Brushes. 179,613; Feb. 12; Serial No. 182,978; published Nov. 20, 1923.
Longbottom, Chas. H., New York, N. Y. Pipes and cigar holders. 179,579; Feb. 12; Serial No. 179,612; published Nov. 13, 1923.
Lord & Taylor, New York, N. Y. Suits, skirts, blouses, jacquettes, etc. 179,605; Feb. 12; Serial No. 181,409; published Nov. 20, 1923.

Loris Undergarment Co. Inc., New York, N. Y. Underwear. 179,544; Feb. 12; Serial No. 168,322; published Nov. 27, 1923.
Louis Stix Co., The, Cincinnati, Ohio, and New York, N. Y. Brown cottons in the piece. 179,596; Feb. 12; Serial No. 178,480; published Dec. 4, 1923.
Louisville Cereal Mill Co., Louisville, Ky. Horse and mule feed. 179,465; Feb. 12; Serial No. 181,291; published Nov. 20, 1923.
Lubri-Gaiters Limited, Montreal, Quebec, Canada. Casings, coverings, and holders for oil and grease for automobile springs and parts. 179,507; Feb. 12; Serial No. 182,421; published Oct. 23, 1923.
Lucido Brothers Grocery Company, Granite City, Ill. Canned fruits and vegetables. 179,612; Feb. 12; Serial No. 182,150; published Nov. 27, 1923.
Luckel, King & Lake Soap Co., Portland, Oreg. Soap powder. 179,624; Feb. 12; Serial No. 186,145; published Nov. 20, 1923.
Lummis & Co., Camden, N. J., and Philadelphia, Pa. Peanuts. 179,541–2; Feb. 12; Serial Nos. 102,565–6; published Oct. 30, 1923.
Mackechnie Bread Company, Los Angeles, Calif. Bread. 179,469; Feb. 12; Serial No. 156,097; published Nov. 20, 1923.
Maeshima, Shintaro, Tokyo, Japan. Therapeutical apparatus called oxyhealer used for injecting oxygen into the body. 179,561; Feb. 12; Serial No. 155,900; published July 10, 1923.
Maronik, Dannel, Detroit, Mich. Dried banana slices. 179,705; Feb. 12; Serial No. 185,981; published Nov. 27, 1923.
Maronik, Dannel, Detroit, Mich. Banana jelly. 179,706; Feb. 12; Serial No. 185,980; published Nov. 27, 1923.
Marshall, Ethel L., Winston-Salem, N. C., assignor to American Knit Products Company, Wilmington, Del. Knit skirts, princess slips, etc. 179,560; Feb. 12; Serial No. 157,386; published Nov. 27, 1923.
Mattlage, Charles F., & Sons, Inc., New York, N. Y. Smoked, dried, and salt fish. 179,590; Feb. 12; Serial No. 158,785; published Aug. 14, 1923.
McCall, A. E., doing business as McCall Cigar Company, Kansas City, Mo. Cigars. 179,727; Feb. 12; Serial No. 187,012; published Nov. 27, 1923.
McDonagh, Wm., & Sons, New York, N. Y. Shaving-soap cream. 179,461; Feb. 12; Serial No. 179,673; published Nov. 20, 1923.
McGibbon, Brownell, doing business as B. McGibbon & Bro., New York, N. Y. Hops. 179,652; Feb. 12; Serial No. 183,660; published Nov. 13, 1923.
McLoughlin Textile Corporation, Utica, N. Y. Caps, sweaters, and underwear. 179,440; Feb. 12; Serial No. 185,126; published Nov. 20, 1923.
Meinhardt, Jacob A., doing business as J. A. Meinhardt Company, Chicago, Ill. Furniture and automobile cleaner, also enamel cleaner. 179,601; Feb. 12; Serial No. 180,870; published Nov. 27, 1923.
Menley & James, Limited, New York, N. Y. Medicated soap. 179,731; Feb. 12; Serial No. 185,607; published Nov. 20, 1923.
Mennel Milling Company, The, Toledo, Ohio. Wheat flour. 179,768; Feb. 12.
Merrell, William S., Company, The, Cincinnati, Ohio. Nonalcoholic solution of the active medicinal principles of hydrastis canadensis. 179,610; Feb. 12; Serial No. 182,834; published Nov. 20, 1923.
Michael, Conrad H., Brooklyn, Conn. Cigars. 179,728; Feb. 12; Serial No. 185,832; published Nov. 27, 1923.
Michelin Tire Company, Milltown, N. J. Automobile tires. 179,695; Feb. 12; Serial No. 184,413; published Nov. 13, 1923.
Miller & Canary, Green Island, N. Y. Aprons, skirts, and rompers. 179,428; Feb. 12; Serial No. 153,753; published Nov. 20, 1923.
Miller, H. H., Industries Company, The, Canton, Ohio. Bottle filling and capping machines, dairy machinery, etc. 179,649; Feb. 12; Serial No. 182,982; published Nov. 27, 1923.
Millville Manufacturing Company, The, Philadelphia, Pa. Diaper cloth in the piece. 179,489; Feb. 12; Serial No. 171,854; published Dec. 4, 1923.
Milwaukee Corrugating Company, Greenfield, Wis. Eaves trough and eave-trough drops, ends, and fittings, etc. 179,554; Feb. 12; Serial No. 137,326; published Nov. 20, 1923.
Miracle Dress Co., Inc., New York, N. Y. Dresses, gowns, costumes, waists, etc. 179,759; Feb. 12; Serial No. 176,564; published Nov. 27, 1923.
Missouri Farmers' Association, Columbia, Mo. Egg mash, scratch feed, etc. 179,476; Feb. 12; Serial No. 174,911; published Nov. 20, 1923.
Missouri Valley Creamery Company, Washington, Mo. Liquid maltless milk-chocolate beverage. 179,595; Feb. 12; Serial No. 177,568; published Nov. 20, 1923.
Mitchell, James A., doing business as Denison Bottling Works, Denison, Iowa. Beverages sold as soft drinks. 179,606; Feb. 12; Serial No. 181,491; published Nov. 20, 1923.
Morse, A. G., Co., Inc., doing business as Morse's. Candy. 179,710; Feb. 12; Serial No. 185,834; published Nov. 27, 1923.
Morse, J. A. (See Drew, E. F., & Co., Inc.)
Morse & Rogers. (See International Shoe Company.)
Morton Gum Co. Inc., Kansas City, Mo. Chewing gum. 179,707; Feb. 12; Serial No. 185,932; published Nov. 27, 1923.
Motive Lubricant Corporation, Detroit, Mich. Lubricating oils and greases. 179,648; Feb. 12; Serial No. 183,039; published Nov. 27, 1923.
Motor Car Painting & Trimming Co., Chicago, Ill. Liquids for cleaning and polishing automobile bodies, furniture, etc. 179,521; Feb. 12; Serial No. 186,441; published Nov. 27, 1923.
Munter, Charles, New York, N. Y. Corsets, waist corsets, brassières. 179,785; Feb. 12.
Munter, Charles, New York, N. Y. Corsets, waist corsets, brassières. 179,789; Feb. 12.
Muralo Company, Inc., The, New Brighton, N. Y. Calcimines in dry powders. 179,669; Feb. 12; Serial No. 183,398; published Nov. 27, 1923.
Murdock, C. A., Mfg. Co., Kansas City, Mo. Spices, prepared mustard, and prepared mustard cream salad. 179,602; Feb. 12; Serial No. 180,879; published Dec. 4, 1923.
Mutual Oil Company, Kansas City, Mo. Sweeping compound. 179,483; Feb. 12; Serial No. 184,141; published Nov. 20, 1923.
Myers, W. M., San Antonio, Tex. Automobile cleanser and polish. 179,718; Feb. 12; Serial No. 185,306; published Nov. 27, 1923.
Natenberg-Strauss Importing Co., Chicago, Ill. Pocket, clasp, pen, pruning, and table knives, etc. 179,452; Feb. 12; Serial No. 177,316; published Aug. 7, 1923.
National Chemical Products Co. Inc., Union, N. J. Nonalcoholic, maltless beverage, beverage sirup and concentrate. 179,457; Feb. 12; Serial No. 179,215; published Nov. 27, 1923.
National Compound Co., Inc., Boston, Mass. Black enamel and rubber paint. 179,581; Feb. 12; Serial No. 179,313; published Nov. 27, 1923.
Nemo Hat Company, New York, N. Y. Ladies', misses', and children's hats and caps. 179,607; Feb. 12; Serial No. 181,535; published Nov. 20, 1923.
Neuss, Hesslein & Co. Inc., New York, N. Y. Woven cotton piece goods. 179,550; Feb. 12; Serial No. 121,908 published Dec. 13, 1921.
New York Transportation Co., New York, N. Y. Motor busses and parts thereof. 179,691; Feb. 12; Serial No. 184,675; published Nov. 27, 1923.
New Zealand Co-operative Dairy Company, Limited, Hamilton, New Zealand. Butter and cheese. 179,478; Feb. 12; Serial No. 168,335; published Nov. 20, 1923.
Nielsen Packing Co., San Francisco, Calif. Canned fruits and vegetables. 179,634; Feb. 12; Serial No. 181,852; published Dec. 4, 1923.
Nielsen Packing Co., San Francisco, Calif. Canned fruits and vegetables. 179,635; Feb. 12; Serial No. 181,848; published Dec. 4, 1923.
North American Toy Co., Inc., New York, N. Y. Toy pianos. 179,600; Feb. 12; Serial No. 180,616; published Nov. 27, 1923.
North Jersey Braiding Co., Newark, N. J. Thread. 179,778; Feb. 12.
Norwalk Tire & Rubber Company, The, Norwalk, Conn. Elastic vehicle tires. 179,646; Feb. 12; Serial No. 182,926; published Dec. 4, 1923.
Oakley, Richard A., doing business as Benn Chemical Co., Philadelphia, Pa. Cleaning and polishing preparation. 179,506; Feb. 12; Serial No. 182,481; published Nov. 27, 1923.
Obermayer, S., Co., The, Chicago, Ill. Furnace cement in laying up fire brick and kindred uses. 179,484; Feb. 12; Serial No. 184,094; published Nov. 20, 1923.
Oneida Community Limited, Oneida, N. Y. Display chests or cabinets for silverware, etc. 179,549; Feb. 12; Serial No. 169,728; published Nov. 27, 1923.
Order of Scottish Clans, Boston, Mass. Monthly publication. 179,495; Feb. 12; Serial No. 186,924; published Nov. 20, 1923.
Orientalische Tabak- u. Cigarettenfabrik Yenidze, Inhaber, Hugo Zietz, Dresden, Germany. Raw tobacco, tobacco for smoking and chewing, and snuff, cigars, etc. 179,559; Feb. 12; Serial No. 157,507; published June 19, 1923.
Pablo, Baca G., Los Angeles, Calif. Canned chili. 179,529; Feb. 12; Serial No. 179,349; published Nov. 20, 1923.
Pacific Commercial Company, Manila, P. I., and New York, N. Y. Wheat flour. 179,546; Feb. 12; Serial No. 168,728; published Dec. 4, 1923.
Panther Rubber Manufacturing Company, Stoughton, Mass. Rubber soles and heels. 179,666; Feb. 12; Serial No. 183,539; published Nov. 27, 1923.
Pardoe, J. A., Co., Omaha, Nebr. Toasted pop corn. 179,751; Feb. 12; Serial No. 173,671; published Dec. 4, 1923.
Pedigreed Seed Company, Hartsville, S. C. Seed oats. 179,784; Feb. 12.
Peek, Frean and Company, Limited, London, England. Confectionery. 179,445; Feb. 12; Serial No. 168,937; published Dec. 4, 1923.
Pegky Page Candy Co. (See Block, Isaac E.)
Peninsular Honey Producers, Rudyard, Mich. Comb and extracted honey. 179,745; Feb. 12; Serial No. 171,194; published Dec. 4, 1923.
Peninsular Paint & Varnish Company, Hamtramck, Mich. Brushes. 179,614; Feb. 12; Serial No. 182,992; published Nov. 20, 1923.

Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's and boys' ready-to-wear clothing. 179,640; Feb. 12; Serial No. 182,483; published Nov. 27, 1923.
Pep-So Beverage Company. (See Jones, John P.)
Perceval, C., New York, N. Y. Cheese. 179,458; Feb. 12; Serial No. 178,865; published Nov. 20, 1923.
Perez, Marcelino, & Company, New York, N. Y. Cigars. 179,435; Feb. 12; Serial No. 184,681; published Nov. 20, 1923.
Perez, Marcelino, & Company, New York, N. Y. Cigars. 179,438–9; Feb. 12; Serial Nos. 184,682–3; published Nov. 20, 1923.
Perfection Products Company, New York, N. Y. Cereal food product. 179,455; Feb. 12; Serial No. 177,989; published Nov. 20, 1923.
Perrin, V., & Cie., Grenoble, France; London, England; and New York, N. Y. Leather gloves. 179,788; Feb. 12.
Phenix Packing Co. (See Rosenberg, Samuel.)
Phillips-Jones Corporation, New York, N. Y. Shirts, boys' blouses, and pyjamas. 179,679; Feb. 12; Serial No. 183,121; published Nov. 27, 1923.
Photodramatist Publishing Company, Hollywood, Calif. Monthly magazine. 179,599; Feb. 12; Serial No. 179,550; published Nov. 20, 1923.
Piatt, John F., doing business as Jack's Products Company, Cape Girardeau, Mo. Penetrating lubricating oils. 179,556; Feb. 12; Serial No. 155,069; published Nov. 27, 1923.
Piper & Salerno Co., Inc., New York, N. Y. Topcoats and overcoats. 179,615; Feb. 12; Serial No. 185,229; published Nov. 20, 1923.
Porcelli, Salvatore, New York, N. Y. Aluminum paint. 179,563; Feb. 12; Serial No. 158,193; published Nov. 27, 1923.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 179,504; Feb. 12; Serial No. 182,179; published Nov. 20, 1923.
Powers, Timothy B., doing business as Powers Manufacturing Company, New York, N. Y. Screw drivers. 179,545; Feb. 12; Serial No. 167,895; published Dec. 4, 1923.
Prudence-Bonds Corporation, New York and Brooklyn, N. Y. Vendible coupon bonds, coupons, certificate of stocks, etc. 179,762; Feb. 12; Serial No. 177,924; published Nov. 27, 1923.
Purity Cake Company, Chicago, Ill. Cake. 179,447; Feb. 12; Serial No. 175,212; published Nov. 20, 1923.
Ragsdale, Ira H., doing business as Mrs. Ragsdale, Incorporated, San Antonio, Tex. Mayonnaise salad dressing and Thousand Island salad dressing. 179,448; Feb. 12; Serial No. 176,262; published Nov. 27, 1923.
Rancho Sesne, Sesne, Calif. Citrous fruits. 179,702; Feb. 12; Serial No. 184,685; published Dec. 4, 1923.
Rauh, E., & Sons Fertilizer Company, Indianapolis, Ind. Tankage and fertilizer. 179,657; Feb. 12; Serial No. 184,762; published Nov. 27, 1923.
Rawles, Kate C., Fernley, Nev. Prepared textile stove polisher. 179,481; Feb. 12; Serial No. 183,548; published Nov. 20, 1923.
Reliance Manufacturing Company, Chicago, Ill. Men's work shirts. 179,493; Feb. 12; Serial No. 174,754; published Nov. 20, 1923.
Rex-Oil Company, Inc., The, Pittsburgh, Pa. Cleaner for satin footwear. 179,729; Feb. 12; Serial No. 186,158; published Nov. 20, 1923.
Richardson-Marsh Corporation, Orlando, Fla. Fresh citrous fruits. 179,773; Feb. 12.
Richmond Engineering Company. (See Farley, Ernst W.)
Richter, Julius, doing business as Globe Import Company, New York, N. Y. Manicure sets. 179,528; Feb. 12; Serial No. 177,516; published Nov. 27, 1923.
Riverside Manufacturing Company, Moultrie, Ga. Service covers for automobiles and parts thereof. 179,643; Feb. 12; Serial No. 182,611; published Nov. 20, 1923.
Robinson, Evelyn A., doing business as The Vestrap Co., Minneapolis, Minn. Cross straps for connecting the supporting straps of ladies' undergarments. 179,712; Feb. 12; Serial No. 185,765; published Nov. 27, 1923.
Rosenberg, Henry, New York, N. Y. Pelts. 179,491; Feb. 12; Serial No. 173,248; published Nov. 20, 1923.
Rosenberg, Samuel, doing business as Phenix Packing Co., New York, N. Y. Caviar. 179,570; Feb. 12; Serial No. 178,362; published Oct. 2, 1923.
Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensburg, Ky. Cornmeal, cereal feed for poultry, cereal feed for hogs. 179,582; Feb. 12; Serial No. 180,297; published Nov. 6, 1923.
Saunders Lone Star Seed Co. Inc., Greenville, Tex. Cottonseed. 179,539; Feb. 12; Serial No. 165,970; published Dec. 4, 1923.
Schaff, H. M., Coal Company, The, Cleveland, Ohio. Coal. 179,765; Feb. 12; Serial No. 184,567; published Dec. 4, 1923.
Schmid, Julius, Inc., New York, N. Y. Combs. 179,519; Feb. 12; Serial No. 186,674; published Nov. 27, 1923.
Schulz, Frank R., St. Louis, Mo. Luting composition. 179,480; Feb. 12; Serial No. 183,850; published Nov. 20, 1923.
Schwarzenbach Huber Company, The, New York, N. Y. Silk piece goods. 179,547; Feb. 12; Serial No. 169,520; published Dec. 12, 1922.
Seaboard Rice Milling Co., Galveston, Tex. Rice. 179,468; Feb. 12; Serial No. 156,603; published Nov. 20, 1923.
Seirite Products Inc., New York, N. Y. Children's furniture. 179,568; Feb. 12; Serial No. 162,319; published Nov. 27, 1923.
Seton Leather Co., Newark, N. J. White side leather, white kips, patent colt skins, etc. 179,592; Feb. 12; Serial No. 177,202; published Nov. 20, 1923.
Sheet Steel Products Co., Michigan City, Ind. Cabs for vehicles. 179,659; Feb. 12; Serial No. 184,686; published Nov. 27, 1923.
Shoninger, Sol H., doing business as The Solvos Company, Chicago, Ill. Sanitary protective bloomer. 179,533; Feb. 12; Serial No. 163,708; published Dec. 4, 1923.
Silver King Mineral Water Co., Inc., New York, N. Y. Mineral water. 179,629; Feb. 12; Serial No. 186,759; published Nov. 20, 1923.
Simons Brick Company, Los Angeles, Calif. Brick. 179,662; Feb. 12; Serial No. 184,426; published Nov. 27, 1923.
Smith & Dove Manufacturing Co., Andover, Mass. Cotton thread. 179,576; Feb. 12; Serial No. 179,231; published Nov. 13, 1923.
Smith & Gregory, New York, N. Y. Golf-bag holders. 179,767; Feb. 12; Serial No. 177,525; published Nov. 27, 1923.
Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles, automobile trucks, boats, etc. 179,692; Feb. 12; Serial No. 184,805; published Dec. 4, 1923.
Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles, automobile trucks, boats, etc. 179,694; Feb. 12; Serial No. 184,307; published Dec. 4, 1923.
Société pour la Fabrication de la Soie "Rhodiaseta," Paris, France. Artificial-silk fabric. 179,750; Feb. 12; Serial No. 173,540; published Nov. 20, 1923.
Solvos Company, The. (See Shoninger, Sol H.)
Sophie Mae Candy Corporation, doing business as Sophie Mae, Atlanta, Ga. Candies. 179,512; Feb. 12; Serial No. 164,083; published Nov. 27, 1923.
Seton Bend Bait Co., South Bend, Ind. Artificial fishing lures and baits, fishing hooks, lures for fishhooks, etc. 179,779; Feb. 12.
Southern Yarn Exchange, Baltimore, Md. Art needlework. 179,462; Feb. 12; Serial No. 181,153; published Nov. 20, 1923.
Spokane Wyoming Petroleum Company, Lander, Wyo. Gasoline, naphtha, benzine, kerosene, etc. 179,535; Feb. 12; Serial No. 165,570; published Nov. 27, 1923.
Standard Growers Exchange, Orlando, Fla. Fresh fruits and vegetables. 179,548; Feb. 12; Serial No. 169,334; published Nov. 13, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 179,523; Feb. 12; Serial No. 186,936; published Nov. 27, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 179,524; Feb. 12; Serial No. 186,726; published Nov. 27, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 179,749; Feb. 12; Serial No. 171,744; published Dec. 4, 1923.
Stanley Works, The, New Britain, Conn. Hinges. 179,690; Feb. 12; Serial No. 184,691; published Dec. 4, 1923.
Stanley Works, The, New Britain, Conn. Hinges. 179,701; Feb. 12; Serial No. 184,690; published Dec. 4, 1923.
Starry, Young & Way, Exeter, Calif. Fresh grapes. 179,713; Feb. 12; Serial No. 185,724; published Nov. 20, 1923.
Stein, S., & Co., New York, N. Y. Worsted serge. 179,532; Feb. 12; Serial No. 164,462; published June 12, 1923.
Stein, S., & Company, New York, N. Y. Woolen cloth in the piece. 179,693; Feb. 12; Serial No. 184,190; published Nov. 13, 1923.
Stockham, Edward V., Inc., Havre de Grace, Md. Pork and beans and canned concentrated strained tomatoes. 179,471; Feb. 12; Serial No. 158,689; published July 3, 1923.
Stumpp & Walter Co., New York, N. Y. Vegetable, flower, and grass seeds and flowering bulbs. 179,637; Feb. 12; Serial No. 182,019; published Dec. 4, 1923.
Suchard, S. A., Serrieres, Switzerland. Chocolate. 179,696; Feb. 12; Serial No. 184,569; published Nov. 27, 1923.
Suchard, S. A., Serrieres, Switzerland. Chocolate. 179,700; Feb. 12; Serial No. 184,570; published Nov. 27, 1923.
Sunbury Wholesale Grocery Company, Sunbury, Pa. Coffee. 179,704; Feb. 12; Serial No. 186,090; published Nov. 27, 1923.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Cream, buttermilk, and ice cream. 179,771; Feb. 12.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Milk, cream, butter, buttermilk, ice cream, etc. 179,772; Feb. 12.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Cream and ice cream. 179,780; Feb. 12.
Swarts, George D., New York, N. Y. Novelized original photoplay stories. 179,444; Feb. 12; Serial No. 185,162; published Nov. 20, 1923.

Swift and Company, Chicago, Ill. Process cheese. 179,748; Feb. 12; Serial No. 172,188; published Mar. 20, 1923.

Szabady Soap Mfg. Co., Inc., Perth Amboy, N. J. Laundry soaps. 179,736; Feb. 12; Serial No. 185,503; published Nov. 20, 1923.

Tingue Manufacturing Company, Seymour, Conn., and New York, N. Y. Woven pile fabrics of mohair. 179,650; Feb. 12; Serial No. 183,895; published Oct. 2, 1923.

Traer, Will M., Jacksonville, Fla. Monthly magazine. 179,516; Feb. 12; Serial No. 174,040; published Aug. 21, 1923.

Treinies, Evelyn E., Portland, Oreg. Manual facial massaging or tapping device. 179,653; Feb. 12; Serial No. 185,061; published Nov. 27, 1923.

Troco Nut Butter Co., Chicago, Ill. Oleomargarine. 179,454; Feb. 12; Serial No. 178,782; published Nov. 20, 1923.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 179,753; Feb. 12; Serial No. 176,377; published Nov. 13, 1923.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Hand-knitting wool yarns. 179,756; Feb. 12; Serial No. 176,381; published Nov. 13, 1923.

United Beverage Products Company, Chicago, Ill. Sirups and beverages sold as soft drinks. 179,427; Feb. 12; Serial No. 183,726; published Nov. 20, 1923.

United States Asphalt Refining Company, The, New York, N. Y. Asphalt. 179,485; Feb. 12; Serial No. 183,425; published Nov. 20, 1923.

United States Survey Company, Incorporated, Rochester, N. Y. Road maps and printed road guides. 179,746; Feb. 12; Serial No. 170,800; published Nov. 27, 1923.

Universal Mills, Fort Worth, Tex. Stock and poultry feeds and mashes. 179,459–60; Feb. 12; Serial Nos. 180,089–90; published Nov. 20, 1923.

Universal Products Sales Company, New Brunswick, N. J. Agricultural animal food for cattle, swine, and poultry. 179,767; Feb. 12.

Vacuum Oil Company, New York, N. Y. Petroleum oil. 179,487; Feb. 12; Serial No. 171,294; published Nov. 20, 1923.

Vant Woud Rubber Co., The, Harrison, N. J. Vaginal syringes. 179,510; Feb. 12; Serial No. 154,099; published Mar. 7, 1922.

Van Vleet-Mansfield Drug Co., Memphis, Tenn. Hairbrushes, nailbrushes, toothbrushes, etc. 179,726; Feb. 12; Serial No. 186,729; published Nov. 27, 1923.

Vargo Trading Corporation, New York, N. Y. Pure pumice artificial rubbing stone. 179,730; Feb. 12; Serial No. 186,170; published Nov. 20, 1923.

Vestrap Co., The. (See Robinson, Evelyn A.)

Virginia Dare Company, The, Baltimore, Md. Preserved crushed fruits for soda-fountain purposes. 179,466; Feb. 12; Serial No. 154,004; published Nov. 20, 1923.

Voss & Stern, New York, N. Y. Silk piece goods. 179,764; Feb. 12; Serial No. 177,934; published Dec. 4, 1923.

Wagemaker Company, Grand Rapids, Mich. Desks, household tables, store tables, etc. 179,682; Feb. 12; Serial No. 183,867; published Nov. 27, 1923.

Warren Gear Products Company, Warren, Pa. Gearings for motor cars. 179,630; Feb. 12; Serial No. 181,504; published Dec. 4, 1923.

Washington Chocolate Co., Seattle, Wash. Chocolate coating. 179,625; Feb. 12; Serial No. 186,171; published Nov. 27, 1923.

Weaver, Cartter, doing business as Weaver Specialty Company, Pittsburgh, Pa. Soldering paste or flux. 179,425; Feb. 12; Serial No. 183,868; published Nov. 20, 1923.

Weaver Specialty Company. (See Weaver, Cartter.)

White Seal Potato Chip Co., Baltimore, Md. Potato chips and caramels. 179,723; Feb. 12; Serial No. 186,452; published Nov. 27, 1923.

Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y. Vegetable-fiber rope. 179,502; Feb. 12; Serial No. 182,370; published Nov. 27, 1923.

Whitworth & Mitchell, Limited, Manchester, England. Cotton piece goods. 179,542; Feb. 12; Serial No. 167,859; published Nov. 13, 1923.

Wilhoite, Evans & Cohn Inc., Los Angeles, Calif. Overalls; men's work clothing. 179,436; Feb. 12; Serial No. 184,882; published Nov. 20, 1923.

Wilkes, J. H., & Co., Inc., Nashville, Tenn. Poultry, horse, and dairy feed, grain and mill feed, seed, and wheat flour. 179,774; Feb. 12.

Williams, F. Graham, Brick Co., Inc., Atlanta, Ga. Bricks. 179,486; Feb. 12; Serial No. 169,044; published Nov. 20, 1923.

Williams, J. B., Company, The, Glastonbury, Conn. Soap. 179,733; Feb. 12; Serial No. 185,806; published Nov. 20, 1923.

Wilton Manufacturing Co. Inc., The, New York, N. Y. Cotton piece goods. 179,761; Feb. 12; Serial No. 177,536; published July 24, 1923.

Winning, Rattner Co., New York, N. Y. Boys' suits and overcoats. 179,616; Feb. 12; Serial No. 185,396; published Nov. 20, 1923.

Worth While Garment Co., Hicksville, Ohio. Undergarments and nightgowns. 179,437; Feb. 12; Serial No. 184,701; published Nov. 20, 1923.

Worthy, Frank C., Atlanta, Ga. Remedy or medicine for skin diseases in animals. 179,792; Feb. 12.

Wright & Parker Company, Detroit, Mich. Bread, butter, eggs, coffee, tea, etc. 179,658; Feb. 12; Serial No. 184,778; published Nov. 27, 1923.

Wundamova Company. (See Greever, William.)

Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 179,527; Feb. 12; Serial No. 178,794; published Nov. 27, 1923.

Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 179,589; Feb. 12; Serial No. 180,315; published Nov. 27, 1923.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 179,755; Feb. 12; Serial No. 175,906; published Apr. 10, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adirondack Tissue Paper Co., Utica, N. Y. Facial tissue. For Toilet Paper. 26,891; Feb. 12.

Ammone Company. (See Cameron, Daniel.)

Auburndale Citrus Growers Association, Auburndale, Fla. Bugle. For Oranges and Grapefruit. 26,892; Feb. 12.

Cameron, Daniel, doing business as Ammone Company, Boston, Mass. Ammone. For Compound Powdered Ammonia. 26,893; Feb. 12.

Cedar Grove Shoe Mfg. Co., The, Cedar Grove, Wis. Chums. For Shoes. 26,894; Feb. 12.

Cedaredge Fruit Company, The, Cedaredge, Colo. Champion. For Apples. 26,895; Feb. 12.

Dayton Spice Mills Company, The, Dayton, Ohio. Old Reliable Coffee. For Coffee. 26,896; Feb. 12.

Diederich, Henry, Brooklyn and Valley Stream, N. Y. Old Dutch Rusk. For Rusks. 26,897; Feb. 12.

Farley Harvey Company, The, Boston, Mass. White Rose. For Dry Goods—Namely, Cotton and Linen Cloth. 26,898; Feb. 12.

Flint Drug Company, Glens Falls, N. Y. Flint's Old Fashioned Cough Syrup. For Cartons Containing Bottles of Cough Sirup. 26,899; Feb. 12.

Florida Products Company, Inc., New York, N. Y. Ginja-Mel. For Nonalcoholic Beverages. 26,900; Feb. 12.

Fortune Products Company, Chicago, Ill. South Sea. For Cocoa. 26,901; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Super X. For Oranges and Grapefruit. 26,902; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Rex. For Citrous Fruits. 26,903; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Boston Terrier. For Citrous Fruits. 26,904; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Florida Arms. For Grapefruit and Oranges. 26,905; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Gentile Special. For Citrous Fruits. 26,906; Feb. 12.

Gentile Bros. Company, Orlando, Fla. Queen. For Oranges and Grapefruit. 26,907; Feb. 12.

Glemby's, S., Sons Co., Inc., New York, N. Y. Gayety Real Human Hair Net. For Hair Nets. 26,908; Feb. 12.

Glemby's, S., Sons Co., Inc., New York, N. Y. Winsome Silk Net. For Hair Nets. 26,909; Feb. 12.

Hercules Gasoline Co., Los Angeles, Calif. Checker. For Gasoline. 26,910; Feb. 12.

Hercules Gasoline Co., Los Angeles, Calif. Giant. For Gasoline. 26,911; Feb. 12.

Hercules Gasoline Co., Los Angeles, Calif. Torpedo. For Gasoline. 26,912; Feb. 12.

Hudson Manufacturing Company, The, Minneapolis, Minn. The Hudson Favorite. For Sprayers. 26,913; Feb. 12.

Hurwitz, Frank, & Sons, Baltimore, Md. Fairy Gold. For Butter. 26,914; Feb. 12.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Speedy Spar. For Varnish. 26,915; Feb. 12.

Julian, Benjamin F., doing business as Marshfield Supply Co., Marshfield, Mo. Indian Princess. For Tomatoes. 26,916; Feb. 12.

Julian, Benjamin F., doing business as Marshfield Supply Co., Marshfield, Mo. Ozark Chief. For Tomatoes. 26,917; Feb. 12.

King and Company, Chicago, Ill. Apricot Sheik. For Soft Beverages of Apricot Flavor. 26,918; Feb. 12.

King and Company, Chicago, Ill. Port Sheik. For Soft beverages of Grape Flavor. 26,919; Feb. 12.

Klemm, A. M., & Son, Winterhaven, Fla. Booster. For Florida Fruits. 26,920; Feb. 12.

Klute-Fleming Packing Co., San Francisco, Calif. Meadow Lake. For Canned String Beans. 26,921; Feb. 12.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Black-O-Lene. For Enamel Paint for Metals. 26,922; Feb. 12.

Lawson, Iowen, New York, N. Y. Playmore. For Player-Roll Boxes for Player Pianos. 26,923; Feb. 12.

Lucido Brothers Grocery Company, Granite City, Ill. Granite. For Peaches. 26,924; Feb. 12.

Marshall, George E., doing business as Nu-Floor Manufacturing Co., San Francisco, Calif. Nu-Floor Makes old Hardwood Floors look like new. For Nu-Floor Preparation. 26,925; Feb. 12.

Marshfield Supply Co. (See Julian, Benjamin F.)

Maxcy, Gregg, doing business as The Ridge Fruit Company, Frostproof, Fla. Leader. For Citrous Fruits. 26,926; Feb. 12.

Maxcy, Gregg, doing business as The Ridge Fruit Company, Frostproof, Fla. Topmost. For Citrous Fruits. 26,927; Feb. 12.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Star Baking Company, Cleveland, Ohio. Starlight. For Wrapper for Bread. 26,928; Feb. 12.

Musto, Daniel, Columbus, Ohio. Musto's Three Day Pile Remedy. For a Medicinal Preparation for Piles. 26,929; Feb. 12.

Newbro Manufacturing Company, Atlanta, Ga. Squaw Vine. For a Medicinal Preparation—Namely, a Cordial for Women. 26,930; Feb. 12.

Nu-Floor Manufacturing Co. (See Marshall, George E.)

Nye's, Mrs. Roselle, Products Company, Turlock, Calif. Roselle Juice The Herbaceous Juice with a Fruit Flavor. For Pure Juice of Roselle to be Used in Making a Nonalcoholic Drink, and Jelly Formed from Said Juice. 26,931; Feb. 12.

Olympia Canning Company, Olympia, Wash. Paramount. For Loganberries. 26,932; Feb. 12.

Olympia Canning Company, Olympia, Wash. Holsum. For Pears. 26,933; Feb. 12.

Olympia Canning Company, Olympia, Wash. Delectas. For Royal Anne Cherries. 26,934; Feb. 12.

Olympia Canning Company, Olympia, Wash. Olympia. For Apples. 26,935; Feb. 12.

Olympia Canning Company, Olympia, Wash. Class A. For Loganberries. 26,936; Feb. 12.

Olympia Canning Company, Olympia, Wash. Full Value. For Pears. 26,937; Feb. 12.

Olympia Canning Company, Olympia, Wash. Wellworth. For Plums. 26,938; Feb. 12.

Ridge Fruit Company, The. (See Maxcy, Gregg.)

Riesel, S., & Son, New York, N. Y. Riesel Ticking. For Ticking (Feather Inlet). 26,939; Feb. 12.

Saniwax Paper Co., Kalamazoo, Mich. Baker Boy. For Bread. 26,940; Feb. 12.

Southern Citrus Packing Company, Inc., Lakeland, Fla. Rainbow. For Citrous Fruits. 26,941; Feb. 12.

Star Baking Company. (See Menasha Printing and Carton Company, assignor.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bluebird Pharmacal Co., Cambridge, Boston, Mass. Bluebirds For Happiness Liver Pills. For Liver Pills. 7,173; Feb. 12.

Boyshform Brassiere Co., The, New York, N. Y. Boyshform Brassieres. For Brassieres. 7,174; Feb. 12.

Cluett, Peabody & Co., Inc., Troy, N. Y. Arrow Formal Day Shirts No matter what the nature (etc.). For Arrow Shirts. 7,175; Feb. 12.

Coty, Inc., Wilmington, Del., and New York, N. Y. Les Poudres De Coty. For Powders. 7,176; Feb. 12.

Empire Paper Products Corporation, New York, N. Y. Mother Goose Bank. For Paper Banks. 7,177; Feb. 12.

Fruhauf Bros. & Co., New York, N. Y. Fruhauf authentic Hand Tailored Clothes. For Clothing. 7,178; Feb. 12.

Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Ant-Bane. For Insecticide for Ridding Premises of Ants. 7,179; Feb. 12.

Lewis, A. W., doing business as Lewis Printing Company, Kansas City, Mo. Yes, we have no Bananas But We Do Know How to Print. For Advertising Specialties. 7,180; Feb. 12.

Ward, James E., Springfield, Ohio. It's Pure, That's Sure. For Dairy Products. 7,181; Feb. 12.

Willson Goggles, Inc., Reading, Pa. Willson Goggles Sun-Dust-Wind-Glare. For Goggles. 7,182; Feb. 12.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott's Alderney Dairies, Inc., Philadelphia, Pa. Ice cream. 182,094; Feb. 12.

Advance Milling Co., Chicago, Ill. Bread. 186,097; Feb. 12.

Albers Company, Incorporated, Richmond, Va. Flavoring for bakers' and household use. 183,789; Feb. 12.

Albro Laboratories. (See Allison, Abraham.)

Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 172,854; Feb. 12.

Allison, Abraham, doing business as Albro Laboratories, Bronx, N. Y. Hair tonic, dandruff remover, cough sirup, etc. 189,088; Feb. 12.

American Biscuit Company, San Francisco, Calif. Cakes, biscuits, and crackers. 159,485; Feb. 12.

American Brass & Electric Supply Company, Brooklyn, N. Y. Lighting-fixture units and parts thereof. 184,487; Feb. 12.

American Watch Import Company, Detroit, Mich. Watches. 181,161; Feb. 12.

Am-Plus Storage Battery Company, Chicago, Ill. Storage batteries. 184,928; Feb. 12.

Anderson, August, doing business as Anderson Furnace Co., Chicago, Ill. Hard and soft coal, coke, or wood-burning furnaces. 188,735; Feb. 12.

Anderson, Embry E., Memphis, Tenn. Cattle feed. 184,375; Feb. 12.

Armand Company, The, Des Moines, Iowa. Face powder, perfume, and rouge. 188,655; Feb. 12.

Art Metal Radiator Cover Co., Chicago, Ill. Radiator covers for heating radiators. 187,280; Feb. 12.

Atkins Company, Inc., The, Hartford, Conn. Hosiery and underwear. 183,463; Feb. 12.

Atlantic Mills, Providence, R. I. Woolen, cotton, etc., piece goods. 188,086; Feb. 12.

Augenblick, M., & Bro., Newark, N. J. Eggs. 186,581; Feb. 12.

Avalon Laboratories. (See Scarff, Fred W.)

Bagby, William P., doing business as Pittsburg Oil Company, Pittsburg, Kans. Cylinder oils and cup greases. 187,600; Feb. 12.

Ballino Hermanos y Compañia, Buenos Aires, Argentina. Food product. 176,814; Feb. 12.

Barrel Inn. (See White, Jay B.)

Belden, Maria L., doing business as A. G. Belden & Co., Brooklyn, N. Y. Olive oil. 153,495; Feb. 12.

Bender, Austin W., sr., doing business as The Pecmint Company, Buffalo, N. Y. Rubefacient or counterirritant salve or ointment. 189,839; Feb. 12.

Bender Company, The, Milwaukee, Wis. Overalls, jackets, pants, coats, etc. 187,603; Feb. 12.

Bennett, Fred S., Inc., New York, N. Y. Waterproof and water-repellent knitted, netted, and woven fabrics. 187,981–3; Feb. 12.

Bestyette Trading Corp., New York, N. Y. Human-hair nets. 186,409; Feb. 12.

Big 4 Chemical Products Company, Indiana Harbor, Ind. Hair dressing. 187,284; Feb. 12.

Bigley, Robert I., Mifflintown, Pa. Herb remedies. 188,882; Feb. 12.

Bodensiek, Jennie M., New York, N. Y. Corsets, brassières, and abdominal belts. 182,230; Feb. 12.

Boeing Airplane Company, Seattle, Wash. Airplanes and parts and accessories thereto. 154,481; Feb. 12.

Bowerman, Emma, New York, N. Y. Ash receivers and trays. 189,704; Feb. 12.

Boye, James H., Manufacturing Co., Chicago, Ill. Curtain fixtures. 189,386; Feb. 12.

Brill, David W., Cleveland, Ohio. Leather shoes. 171,525; Feb. 12.

Britton Auto Equipment Co., New York, N. Y. Automobile mirrors. 189,031–2; Feb. 12.

Brobst, William E., jr., doing business as W. E. Brobst Company, Noblesville, Ind. Maltless flavoring base for beverages. 181,511; Feb. 12.

Brouillette, Peter A., doing business as The Brouillette Co., Sioux City, Iowa. Infants' knives, forks, and spoons of plated silver. 184,958; Feb. 12.

Bush & Lane Piano Company, Holland, Mich. Pianos and player pianos. 185,779; Feb. 12.

C. G. Spring Company, The, Detroit, Mich. Bumpers. 187,506; Feb. 12.

California Bottling Association, San Francisco, Calif. Table water. 188,948; Feb. 12.

Carland, Frank C., Coal Company, Chicago, Ill. Coal. 184,935; Feb. 12.

Cassidy Candy Company, The, Altoona, Pa. Candy. 188,889; Feb. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chemische Fabrik vormals Sandoz, Basel, Switzerland. Dietetical biscuit. 189,299; Feb. 12.
Citrus Products Company, Chicago, Ill. Maltless-beverage flavor and beverages made therefrom. 189,389; Feb. 12.
Coffee Products Corporation, New York, N. Y. Coffee. 187,563; Feb. 12.
Cohn & Rosenberger, Inc., New York, N. Y. Jewelry. 185,812–13; Feb. 12.
Collins, J. N., Company, Minneapolis, Minn. Candies. 188,742; Feb. 12.
Combs, Guy A., doing business as Standard Paint Manufacturing Co., Minneapolis, Minn. Ready-mixed paint, varnishes, pelat enamels, and stains. 184,325; Feb. 12.
Conemaugh Iron Works, Blairsville, Pa. Bathtubs, flush tanks, sinks, etc. 184,383; Feb. 12.
Connell Rice Company, New York, N. Y. Rice. 183,137; Feb. 12.
Conservenfabrik Rorschach, A. G., Rorschach, Switzerland. Nonalcoholic concentrated apple juice. 187,044; Feb. 12.
Consumers Distributing Co., The, Pittsburgh, Pa. Food-flavoring extracts. 185,568; Feb. 12.
Convertible Knicker Garment Co. (See Klappert, Bessie.)
Cooper, Milton G., Dry Goods Co., Los Angeles, Calif. Dresses and suits for boys and girls. 186,107; Feb. 12.
Corn Products Refining Company, New York, N. Y. Corn flour. 183,139; Feb. 12.
Cotera, Francisco, doing business as The Cotera Brothers, El Paso, Tex. Coffee. 168,209; Feb. 12.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, face powder, etc. 180,105; Feb. 12.
Cowitz & Company, Worcester, Mass. Ointment for the treatment of rheumatism, neuralgia, neuritis, etc. 187,510; Feb. 12.
Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Brass and bronze castings, Babbitt metal, bronze ingots, etc. 185,958; Feb. 12.
Cyclone Fence Company, North Chicago, Ill. Ornamental lawn fence and gates, chain-link industrial fence, etc. 188,666; Feb. 12.
Danville Wholesale Grocery Co., Danville, Ill. Canned fruit. 173,498; Feb. 12.
Davis, Emily M., Dover, N. H. Tablets for the prevention of colds, grippe, pneumonia, etc. 139,068; Feb. 12.
Davis & Lawrence Co., New York, N. Y. Ointment. 181,941; Feb. 12.
Davis-Mason-England Co., The, Jackson, Mich. Coffee, olives, canned tomatoes, fruit preserves, codfish, etc. 182,569; Feb. 12.
Debevoise Company, The, Brooklyn, N. Y. Paints and enamels. 189,844; Feb. 12.
Ded-E-Zee Cleaner Company. (See Story, Samuel P.)
Deitsch Brothers, New York, N. Y. Traveling bags and cases and suitcases. 188,990; Feb. 12.
De Lancey, Finch, & Company, Pawtucket, R. I. Dry batteries. 172,703; Feb. 12.
Dell, Frances F., London, England. Table mats. 181,515; Feb. 12.
Dick, William J., doing business as United States Cosmetics Co., St. Louis, Mo. Face powder, hand lotion, vanishing cream, and cold cream. 182,404; Feb. 12.
Doerman & Herbst Shoe Mfg. Co., South Milwaukee, Wis. Leather shoes. 185,962; Feb. 12.
Dormeuil Freres, Paris, France. Woolen piece goods. 187,513; Feb. 12.
Eisenkramer, Oskar, doing business as The International Manufacturers Agency, New York, N. Y. Sanitary napkins, aprons, and step-ins. 188,749; Feb. 12.
Energene Refining and Manufacturing Company, The, Cleveland, Ohio. Liquid hydrocarbons. 174,075; Feb. 12.
Fabrique d'Horlogerie Recta S. A., Bienne, Switzerland. Watches and parts of watches. 184,442; Feb. 12.
Farish Company, The, Greenwich, Conn., and New York, N. Y. Cotton goods. 188,290; Feb. 12.
Federal Woolen Co., Incorporated, New York, N. Y. Piece goods of wool and worsted. 184,238; Feb. 12.
Federico Macaroni Mfg. Co., Inc., New Orleans, La. Macaroni and spaghetti. 187,101; Feb. 12.
Felmor Chemical Works. (See Slatkin, Hyman.)
First Lady Company, Inc., Salt Lake City, Utah. Face powder, creams, skin bleach, etc. 186,702; Feb. 12.
Fisher, A., Shirt Co. Inc., New York, N. Y. Dress shirts. 175,984; Feb. 12.
Fitzgerald, Michael, Watertown, Wis. Cheese. 180,532; Feb. 12.
Flashner, Jos., doing business as Hirsch & Flashner, New York, N. Y. Watches. 188,474; Feb. 12.
Flexible Steel Lacing Co., Chicago, Ill. Flexible or hinged belt fasteners. 181,561; Feb. 12.
Forstner Chain Corporation, Irvington, N. J. Key chains, buckles, collar buttons and fasteners, eyeglass holders, etc. 187,305; Feb. 12.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 189,613–14; Feb. 12.
"400" Products Company, Chicago, Ill. Food beverage and sirup for making same. 179,060; Feb. 12.
Fox Valley Canning Company, Hortonville, Wis. Canned peas, beans, and kraut. 189,104; Feb. 12.
Franke, George, Sons Company, The, Baltimore, Md. Christmas-tree ornaments and tinsel Christmas-tree-light reflectors. 189,244; Feb. 12.
Franke, George, Sons Company, The, Baltimore, Md. Christmas-tree ornaments. 189,246; Feb. 12.
Garver, Jacob M., doing business as Pirate Pete Company, Chicago, Ill. Candy. 188,301; Feb. 12.
Gebhardt Chili Powder Co., San Antonio, Tex. Canned chili meat. 154,558; Feb. 12.
General Boilers Company, Waukegan, Ill. Steel boilers in the nature of a heating unit. 170,576; Feb. 12.
General Chemical Company, New York, N. Y. Insecticides and fungicides. 187,254; Feb. 12.
General Electric Company, Schenectady, N. Y. Insulated electrical conductors, and especially asbestos-covered conductors. 172,875; Feb. 12.
General Utilities Co. (See Leslie, Daniel.)
Glassmobile Co. (See Loud, William C.)
Glatz Bros., Manchester, Mich. Concrete-marker molds. 157,664; Feb. 12.
Gray-Hawley Mfg. Co., Detroit, Mich. Mufflers for internal-combustion engines. 176,965; Feb. 12.
Great West Coal & Lumber Company, Chicago, Ill. Coal. 186,053; Feb. 12.
Green Shoe Manufacturing Company, The, Boston, Mass. Boots and shoes. 185,292; Feb. 12.
Grill, Angelo, Milwaukee, Wis. Propellers. 158,308; Feb. 12.
Griswold, Lester E., Columbus, Ohio. Outfits including leather and cutting and plaiting implements. 188,365; Feb. 12.
Gsell, R., & Co., Inc., New York, N. Y. Watches, watch-cases, watch movements, and parts thereof. 187,943; Feb. 12.
Gulf City Manufacturing Co., Inc., Mobile, Ala. Crushed oyster shells for poultry. 183,146; Feb. 12.
Gypsolite Company, The, Batavia, N. Y. Wall board, plaster board, and plaster. 189,049; Feb. 12.
H-A-S Coffee Company, St. Louis, Mo. Coffee. 188,551; Feb. 12.
Haft, Morris W., & Bros. Inc., New York, N. Y. Woolen piece goods. 189,126; Feb. 12.
Halalco Company, The, New York, N. Y. Rubbing lotion. 173,829; Feb. 12.
Hall, C. C., Inc., Rochester, N. Y. Dried fruits. 173,420; Feb. 12.
Hanson Brothers Scale Company, Chicago, Ill. Weighing scales. 175,864; Feb. 12.
Harmon, L. E., doing business as Edward P. Sharp, Buffalo, N. Y. Electric trolley wheels. 188,048; Feb. 12.
Hebron Roller Mills, Hebron, N. Dak. Wheat flour. 189,158; Feb. 12.
Hecker-Jones Jewell Milling Company, New York, N. Y. Wheat flour. 183,029; Feb. 12.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 183,289; Feb. 12.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 183,292; Feb. 12.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 183,479; Feb. 12.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, motor oils, distillate, kerosene, fuel and stove oils. 189,778; Feb. 12.
Hilgers, John, doing business as Prynolia Company, Binghamton, N. Y. Face powders, creams, perfumes, toilet waters, etc. 189,782; Feb. 12.
Hill, H. G., Company, Nashville, Tenn. Tea and corn meal. 166,688; Feb. 12.
Hird, Samuel & Sons, Inc., Passaic, N. J. Worsted suitings in the piece. 187,624; Feb. 12.
Hirsch & Flashner. (See Flashner, Jos.)
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 186,368; Feb. 12.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 186,373; Feb. 12.
Holland-O'Neal Milling Co., Mount Vernon and Springfield, Mo. Yellow-corn chop, soft-wheat bran and mill-run, etc. 186,905; Feb. 12.
Hood, Fitz-James, Atlanta, Ga. Prevention-of-theft device for vehicles. 184,667; Feb. 12.
Horwood, E. H., & Co., Hoboken, N. J., and New York, N. Y. Union suits. 171,993; Feb. 12.
Horwood, E. H., & Co., Hoboken, N. J., and New York, N. Y. Bloomers. 171,995; Feb. 12.
Howard, Emmett M., Portsmouth, Va. Devices for applying insecticides. 186,842; Feb. 12.
Hubbard, Howard H., doing business as H. H. Hubbard Butter & Egg Company, Rochester, N. Y. Butter. 168,644; Feb. 12.
Hygienic Tube Company, Newark, N. J. Nitrocellulose products. 176,549; Feb. 12.
Ideal Concrete Machinery Company, The, Cincinnati, Ohio. Concrete machinery, etc. 170,528; Feb. 12.
Illinois Glove Co., Chicago, Ill. Men's leather gloves. 182,972; Feb. 12.
Indianapolis Pump and Tube Co., Indianapolis, Ind. Vehicle exhaust heater. 188,909; Feb. 12.
International Silver Co., Meriden and Wallingford, Conn. Sterling-silver flatware and hollow ware. 187,678; Feb. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Italian Bed Spread Co., Inc., New York, N. Y. Cotton bedspreads. 189,623; Feb. 12.
K. & B. Fender Brace Company, Wichita Falls, Tex. Automobile fender braces. 188,246; Feb. 12.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Pianos, organs, phonographs, and parts thereof. 164,440; Feb. 12.
Kay and Ellinger, Inc., New York, N. Y. Candies. 186,911–12; Feb. 12.
Keclik, Otto, doing business as O. K. Press, Chicago, Ill. Building and loan association forms, blank books, etc. 173,089; Feb. 12.
Kelp-O-Dine Company, The, Indianapolis, Ind. Tonic. 187,004; Feb. 12.
Kempel, Norbert F., doing business as Kempel Manufacturing Co., Not Incorporated, Chicago, Ill. Pressure-indicating signal for automobile radiators and pressure tanks. 182,247; Feb. 12.
Kenan, William R., jr., doing business as Randleigh Farm, Lockport, N. Y. Dairy products. 184,614; Feb. 12.
Khoury, Abraham B., Manchester, N. H. Oil for pain in the side, appendix, etc. 178,924; Feb. 12.
Klappert, Bessie, doing business as Convertible Knicker Garment Co., New York, N. Y. Clothing for women and girls. 188,594; Feb. 12.
Klein, Ben, Chicago, Ill. Hair tonic and dressing, cold cream, face powder, etc. 187,220; Feb. 12.
Knox Consolidated Coal Company, Indianapolis, Ind. Coal. 188,911; Feb. 12.
Koppers Company, The, Pittsburgh, Pa. Coke. 188,421; Feb. 12.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Prepared liquid paint. 190,102–3; Feb. 12.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Metallic enamel paint. 190,105; Feb. 12.
Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Enamel paint for metals. 190,106; Feb. 12.
Long & Peets, New York, N. Y. Face cream. 187,008; Feb. 12.
Lansburgh & Bro., Inc., Washington, D. C. Gold and silver jewelry, tableware, etc. 173,895; Feb. 12.
Lasher, F. G., Color Co., Inc., New York, N. Y. Pigments, and more particularly dry colors and lakes. 172,542; Feb. 12.
Layden, William C., doing business as Layden Remedy Co., Detroit, Mich., and Cleveland, Ohio. Rheumatic and system tonic. 175,931; Feb. 12.
Lea, Lumartin J., Burlington, N. C. Flavored ice or sherbet. 184,792; Feb. 12.
Leich Electric Company, Genoa, Ill. Electric-current rectifiers. 175,252; Feb. 12.
Leslie, Daniel, doing business as General Utilities Co., Los Angeles, Calif. Face and massage creams, perfumes, sachets, toilet waters, etc. 188,918; Feb. 12.
Levine, Morris H., doing business as M. H. Levine Co., New York, N. Y. Knitted and woven fabrics of silk in the piece. 187,259; Feb. 12.
Lew-Mar Products Company, New York, N. Y. Bathing caps and water guards for bathing caps. 182,351; Feb. 12.
Liberty Oil Company, Des Moines, Iowa. Lubricant or grease. 188,247; Feb. 12.
Licht, J. C., Company, Chicago, Ill. Floor varnish, enamel, enamel underbody, and cement coating. 187,321; Feb. 12.
Liebovitz, S., & Sons, Inc., New York, N. Y. Textile fabrics. 189,681; Feb. 12.
Lindsay District Orange Co., Lindsay, Calif. Fresh citrous fruits. 180,364; Feb. 12.
Littell Candy Company. (See Weinstein & Smith.)
Little Queen Hat Company, Inc., New York, N. Y. Children's hats. 184,138; Feb. 12.
Loud, William C., doing business as Glassmobile Co., Detroit, Mich. Automobile curtains. 188,316; Feb. 12.
Lysle, J. C., Milling Company, The, Leavenworth, Kans. Wheat flour. 173,097; Feb. 12.
Martens, Otto, San Francisco, Calif. Confections. 167,308; Feb. 12.
Maury-Cole Company, Memphis, Tenn. Coffee and peanut butter. 187,828; Feb. 12.
Maury-Cole Company, Memphis, Tenn. Coffee. 187,830; Feb. 12.
McCarthy, Thomas J., Los Angeles, Calif. Face cream. 176,490; Feb. 12.
McClure, C. W., Atlanta, Ga. Card, board, and table games, toys, etc. 182,163; Feb. 12.
McCrea Mfg. Co., Minneapolis, Minn. Commercial cab bodies. 178,573; Feb. 12.
Melero, Rodriguez & Ruano. (See Ruano, Manuel.)
Mensing, Frederick C., assignor to J. D. Moeller, New York, N. Y. Binoculars, opera glasses, and field glasses. 190,081–3; Feb. 12.
Mercury Radio Products Company, Little Falls, N. J. Radio receiving sets, transformers, loops, and sockets. 169,912; Feb. 12.
Midy Laboratories, Inc., The, New York, N. Y. Preparation for the treatment of gout, lumbago, etc. 187,633; Feb. 12.
Miller, Charles. (See Perkins, Floyd R., assignor.)
Miller, Leslie, doing business as United Paint Co., Los Angeles, Calif. Dry, paste, and ready-mixed paint. 188,921; Feb. 12.
Misner Manufacturing Co., Detroit, Mich. Hair dressing. 179,878; Feb. 12.
Moeller, J. D. (See Mensing, Frederick C., assignor.)
Montague, W. R., Company, The, La Crosse, Wis. Cracker products and Dutch-style cookies. 170,075; Feb. 12.
Moore, Oscar E., jr., Portsmouth, Ohio. Prophylactics. 187,874; Feb. 12.
Moorite Products Company, Seattle, Wash. Mineral powders, emulsion, etc. 168,273; Feb. 12.
Mototeria Company, The, Cleveland, Ohio. Vehicles adapted for use as traveling stores. 186,604; Feb. 12.
Mullikin, Wm. T., Co., Inc., Philadelphia, Pa. Salted peanuts, peanut butter, a pop-corn confection, and dates. 176,566; Feb. 12.
National Bituminous Enamel and Paint Corporation, Baltimore, Md. Bituminous paints, enamels, etc. 187,834; Feb. 12.
National Smelting & Refining Corp., New York, N. Y. Raw metals of nonferrous character. 188,321; Feb. 12.
Newling & Son, La Mesa, San Diego, Calif. Egg-preserving compounds. 172,846; Feb. 12.
Newton Laboratories, Inc., The, New York, N. Y. Sirup made from the Mexican maguey plant for treatment of chronic diseases. 185,718; Feb. 12.
Ney, J. M., Company, The, Hartford, Conn. Amalgam alloy for inlay models. 189,686; Feb. 12.
Niagara Alkali Company, Niagara Falls, N. Y. Insecticides, disinfectants, and deodorants. 188,768; Feb. 12.
North Pacific Co-Operative Berry Growers, Seattle, Wash. Fresh berries. 186,148; Feb. 12.
Northern Packing Company, Grand Forks, N. Dak. Sausage, ham, and bacon. 182,668; Feb. 12.
Norton, John J., Laurel, Md. Medicinal oil used in the treatment of cuts, bruises, burns, etc. 189,513; Feb. 12.
Novopin Company. (See Stern, Louis J.)
O. K. Press. (See Keclik, Otto.)
Oakford & Fahnestock, Peoria, Ill. Canned goods, pickles, olives, etc. 169,921; Feb. 12.
Oil Creek Refining Company, East Titusville, Pa. Petroleum products. 181,609; Feb. 12.
Old Colony Candy Company, Detroit, Mich. Candies. 186,606; Feb. 12.
Optima Societe Anonyme, Grenchen, Switzerland. Watches, watch movements, and parts thereof. 187,383; Feb. 12.
Osaka Zozu Kabushiki Kaisha, The, Sakai, Japan. Vinegar. 184,562; Feb. 12.
Oyster Shell Products Corporation, New York, N. Y. Ground oyster shell for poultry and pulverized for hogs and cattle. 182,988; Feb. 12.
Pabst Corporation, Milwaukee, Wis. Malt extract used for food purposes. 181,213; Feb. 12.
Paramine Companies, Inc., The, San Francisco, Calif. Ready-mixed paints. 190,125; Feb. 12.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Brilliantine. 183,492. Feb. 12.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Perfumery. 183,494; Feb. 12.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Perfumery. 183,496; Feb. 12.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Perfumery. 183,498; Feb. 12.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Perfumery. 184,795; Feb. 12.
Patton, John G., Philadelphia, Pa. Fudge. 159,052; Feb. 12.
Pecmint Company, The. (See Bender, Austin W., sr.)
Perfectone Radio Corporation, New York, N. Y. Loud speakers for radioreception, and radio supplies and wireless and electrical equipment. 186,609; Feb. 12.
Perkins, Floyd R., assignor to C. Miller, Chicago, Ill. Hair dye. 180,729; Feb. 12.
Perry & Nelson, Dunlow, W. Va. Medicinal preparation for rheumatism, kidney troubles, and catarrh. 185,763; Feb. 12.
Peters & Herron Co., The, Columbus, Ohio. Phonographs. 149,147; Feb. 12.
Petersen & Pegau Baking Co., Omaha, Nebr. Bread. 185,986; Feb. 12.
Petroleum Products Co., San Francisco, Calif. Benzine, motor spirit, gasoline, kerosene, lubricating oils and greases. 190,126; Feb. 12.
Phelan-Faust Paint Manufacturing Company, St. Louis, Mo. Paint and varnish remover. 190,177; Feb. 12.
Phoenix Hermetic Company, Chicago, Ill., and Brooklyn, N. Y. Bottle and jar closures or caps. 188,610; Feb. 12.
Photo Improvements Inc., New York, N. Y. Light and color screens, light transmitting and reflecting devices, etc. 188,862; Feb. 12.
Pioneer Coffee Company, Moorhead, Minn. Coffee. 160,024; Feb. 12.
Pioneer Rubber Company, The, Willard, Ohio. Game balls and the rubber bladders therefor. 187,958; Feb. 12.
Pirate Pete Company. (See Garver, Jacob M.)
Pittsburg Oil Company. (See Bagby, William P.)

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Pittsburgh Steel Products Co., Pittsburgh, Monessen, and Allenport, Pa. Rotary drill pipe, bull plugs, swage-nipples, and casings. 162,264; Feb. 12.
Poppitz, Herman, Chaska, Minn. Corns. 179,483; Feb. 12.
Portage Wholesale Grocery Company, Portage, Wis. Coffee, tea, peanut butter, etc. 186,669; Feb. 12.
Porzellanfabrik Ph. Rosenthal & Co. A. G., Berlin, Germany. Crockery, earthenware, and porcelain. 178,190; Feb. 12.
Prynolis Company. (See Hilgers, John.)
Quinn Marshall Company, Lynchburg, Va. Bleached cottons, cambrics, and nainsooks in the piece. 187,125; Feb. 12.
Radwaner, I. L., Seed Company. (See Radway, Frederick S.)
Radway, Frederick S., doing business as I. L. Radwaner Seed Company, New York, N. Y. Bird seeds. 186,071; Feb. 12.
Railton, B. A., Company, Chicago, Ill. Vinegar, canned goods, etc. 169,648; Feb. 12.
Randel & Grusky, New York, N. Y. Men's and boys' trousers. 179,958–9; Feb. 12.
Randleigh Farm. (See Kenan, William R., jr.)
Remiller Co., The, New York, N. Y. Perfumes, toilet waters, face and talcum powders. 172,354–5; Feb. 12.
Research Club, Inc., Chicago, Ill. Iron cement, tire tape, shellac, and paste. 188,430–1; Feb. 12.
Richards Chemical Co., Glenolden, Pa. Bacillus acidophili-aerogenes in oil suspension, etc. 181,350; Feb. 12.
Richartz, Matthew, New York, N. Y. Laxative tablets. 185,990; Feb. 12.
Rieser Company, Inc., The, New York, N. Y. Hair nets. 189,690; Feb. 12.
Rio Grande Valley Dairy Association, El Paso, Tex. Milk. 188,640; Feb. 12.
Rio Grande Valley Dairy Association, El Paso, Tex. Milk, buttermilk, cream, and cream cottage cheese. 188,641; Feb. 12.
Ruano, Manuel, doing business as Melero, Rodriguez & Ruano, Mendoza, Argentina. Fresh grapes. 186,672; Feb. 12.
Schalk Chemical Company, Los Angeles, Calif. Compound for cleaning drains and drainpipes. 188,712; Feb. 12.
Scarff, Fred W., doing business as Avalon Laboratories, Chicago, Ill. Beauty clay, vanishing cream, depilatory, lemon cleansing cream, etc. 182,185; Feb. 12.
Schechter, M., & Bro., New York, N. Y. Dyed rabbit skins. 179,110; Feb. 12.
Schoneberger & Noble, Inc., New York, N. Y. Beverages sold as soft drinks. 189,587; Feb. 12.
Scott, Sibyl A., doing business as Scott-Block Co., New York, N. Y. Wooden wedge blocks. 173,216; Feb. 12.
Seattle Flour Mills, Seattle, Wash. Wheat flour. 170,998; Feb. 12.
Shanks, Jacob, St. Louis, Mo. Polishing compound. 188,221; Feb. 12.
Sharp, Edward P. (See Harmon, L. E.)
Shoot Chocolate Co., The, Cleveland, Ohio. Candy. 188,500; Feb. 12.
Slatkin, Hyman, doing business as Felmor Chemical Works, Baltimore, Md. Paint enamel. 179,829; Feb. 12.
Smaltz-Goodwin Company, Philadelphia, Pa. Shoes. 181,622; Feb. 12.
Smith-McCord-Townsend Dry Goods Co., Kansas City, Mo. Cotton piece goods. 186,394; Feb. 12.
Smith, Winchell, Farmington, Conn. Whole wheat, buckwheat, rye and Graham flour, corn meal, etc. 179,336; Feb. 12.
Societe Anonyme "Crayons Conte", Regny and Paris, France. Crayons, crayon holders, pencils, penholders, pens, etc. 181,850–1; Feb. 12.
Societe Guerlain, Paris, France. Perfumery. 188,445; Feb. 12.
Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical preparation for use in nonspecific protein therapy, etc. 185,539; Feb. 12.
South Bend Bait Co., South Bend, Ind. Fishing reels and rods, artificial fishing baits and lures, etc. 172,908; Feb. 12.
South Mountain Hennery Company, The, Middleton, Md. Remedy for poultry diseases and for the elimination of vermin. 188,533; Feb. 12.
Southwestern Coca-Cola Bottling Co., Deming, N. Mex. Beverages sold as soft drinks. 189,591; Feb. 12.
Springfield Glazed Paper Company, Springfield, Mass. Paper window-shade material. 185,386; Feb. 12.
Standard Metal Manufacturing Company, Newark, N. J. Horns for automobiles and motor cycles. 136,096; Feb. 12.
Standard Oil Company of New York, New York, N. Y. Edible oils. 188,388; Feb. 12.
Standard Paint Manufacturing Co. (See Combs, Guy A.)
Star Laboratories, Inc., River Falls, Wis. Remedy for corns. 187,025; Feb. 12.
Star Motors Incorporated, New York, N. Y. Automobiles and constructive parts thereof. 188,280; Feb. 12.
Starlelt Laboratories, The. (See Stephan, Louis C.)
Steacy-Shaeffer Tobacco Co. Inc., York, Pa. Tobacco, and particularly chewing tobacco. 181,224; Feb. 12.
Stearns, Frederick, & Company, Detroit, Mich. Flavorings for food. 187,648; Feb. 12.
Stentorphone Company, Los Angeles, Calif. Radio loud speakers. 173,684; Feb. 12.
Stephan, Louis C., doing business as The Starleit Laboratories, Chicago, Ill. Prophylactic and mouth wash. 187,026; Feb. 12.
Stephens Engineering Company, Pittsburgh, Pa. Furnaces, parts of furnaces, and appliances. 167,204; Feb. 12.
Stern, Louis J., doing business as Novopin Company, New York, N. Y. Depilatory. 189,922; Feb. 12.
Stewart, James, Edinburgh and Dundee, Scotland. Preparation for darkening hair, etc. 184,528; Feb. 12.
Story, Samuel P., doing business as Ded-E-Zee Cleaner Company, Cairo, Ill. Combined cleaning and polishing preparation. 188,645; Feb. 12.
Stude Baking Company, Houston, Tex. Bread, rolls, and pastry. 182,940; Feb. 12.
Sullivan, R. G., Estate, Manchester, N. H. Cigars. 181,320; Feb. 12.
Sullivan, R. G., Estate, Manchester, N. H. Cigars. 181,322; Feb. 12.
Taylor Bros., Camden, N. J. Chicken and poultry feed. 179,439; Feb. 12.
Taylor, Henry B., Montreal, Quebec, Canada. Hangers for pictures and like articles and devices for fastening pictures, calendars, etc. 186,204; Feb. 12.
Terry Textile Corporation, New York, N. Y. Cotton piece goods. 182,551; Feb. 12.
Tetone Manufacturing Company, New York, N. Y. Medicine for soothing the nerves. 182,885; Feb. 12.
Texico Stucco Co., El Paso, Tex. Exterior stucco. 185,881; Feb. 12.
Thompson, G. H., Inc., Seattle, Wash. Candy. 188,719; Feb. 12.
Timmons, John S., Philadelphia, Pa. Radio loud speakers and electrical announcing and calling devices. 173,822; Feb. 12.
Tork Company, Inc., New York, N. Y. Electrical or electrically operated switches. 178,940; Feb. 12.
Touraine Company, The, Boston, Mass. Candy. 179,496; Feb. 12.
Trexler Company of America, The, Philadelphia, Pa. Tire pumps and piston-ring expanders. 178,781; Feb. 12.
Triangle Water Heater Co., Monrovia, Calif. Automatic gas heaters. 173,865; Feb. 12.
Tubular Woven Fabric Company, Pawtucket, R. I. Flexible armored cables, cards, etc., for electrical wires. 188,284; Feb. 12.
Ubs, Mike, Elgin, Nebr. Liquid for use in the preparation of plasters for stiff muscles and joints, and a liniment. 189,923; Feb. 12.
Union Rubber Company, The, Zelienople, Pa. Automobile rubber tires and tubes of rubber, fabric, etc. 188,979; Feb. 12.
United Paint Co. (See Miller, Leslie.)
United States Cosmetics Co. (See Dick, William J.)
United Wholesale Grocery Company, Worcester, Mass. Canned goods, honey, spices, etc. 185,636; Feb. 12.
Universal Importing Company, The, Montreal, Quebec, Canada. Canned fish. 179,245; Feb. 12.
Van Landingham, C. E., doing business as C. E. Van Landingham Co., Los Angeles, Calif. Hawaiian grape juice. 189,873; Feb. 12.
Vickers Limited, Sheffield and London, England. Folded or foldable cartoons, boxes, and like containers. 189,957; Feb. 12.
Viscoloid Company, The, Leominster, Mass. Pyroxylin plastic products and compositions formed therefrom. 188,394; Feb. 12.
Ward Baking Company, New York, N. Y. Loaf bread. 159,230; Feb. 12.
Washington County Company, Boston, Mass., and Dennyville, Me. Fresh and canned blueberries. 189,081; Feb. 12.
Watkins, Lemuel A., Boston, Mass. Memorandum sheets in loose or pad form. 188,721; Feb. 12.
Waverly Produce Company, Waverly, Iowa. Eggs and dressed poultry. 188,033; Feb. 12.
Wax-Wrap Paper Company of Texas, Dallas, Tex. Waxed wrapping paper. 189,082; Feb. 12.
Weber, Ann M., Gary, Ind. Hair pomade. 173,020; Feb. 12.
Weinstein & Smith, doing business as Littell Candy Company, Washington, D. C. Candy. 188,035; Feb. 12.
Weisman & Sons Company, Detroit, Mich. Arm bands, bloomers, belts, boudoir caps, etc. 181,469; Feb. 12.
Western Lithograph Company, Los Angeles, Calif. Wallets. 188,722; Feb. 12.
Western Seed Growers Marketing Co., Salt Lake City, Utah. Alfalfa and clover seeds. 188,510; Feb. 12.
Whigelt, George, New York, N. Y. Wall sizes. 186,489; Feb. 12.
White, Jay B., also doing business as Barrel Inn, Glendale, Calif. Beverages. 188,942; Feb. 12.
White, W. D., & Co., Wilkes-Barre, Pa. Remedies for rheumatism, neuralgia, earache, etc. 188,511; Feb. 12.
Whiting & Davis Company, Plainville, Mass. Mesh bags. 186,490; Feb. 12.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Whitman, Clarence, & Son, Inc., Katonah and New York, N. Y. Silk and cotton piece goods. 158,548; Feb. 12.
Wightman and Hough Company, Providence, R. I. Cigarette, cigar, and match cases, humidors, etc. 157,868; Feb. 12.
Wilson Fastener Company, The, Cleveland, Ohio. Lingerie clasps. 188,649; Feb. 12.
Wish, Fred A., Incorporated, New York, N. Y. China sets and china vases, picture plaques, flowerpots, and serving trays. 188,981; Feb. 12.
Wright, L. A., & Son, Atlanta, Mo. Poultry remedy for the treatment of blackhead, droopiness, etc. 175,118; Feb. 12.
Wortendyke Manufacturing Company, Richmond, Va. Toilet paper, paper towels and napkins. 188,356; Feb. 12.
Yellow Pine Paper Mill Company, Orange, Tex. Wrapping paper. 188,982; Feb. 12.
Zaloom Brothers Company, Inc., New York, N. Y. Unshelled, roasted, and salted pistachio nuts. 181,802–3; Feb. 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. H. M. Schaff Coal Company. 179,765; Feb. 12; Serial No. 184,567; published Dec. 4, 1923.
Cottonseed. Saunders Lone Star Seed Co. 179,539; Feb. 12; Serial No. 165,970; published Dec. 4, 1923.
Hair, Human and animal. L. Levussove. 179,758; Feb. 12; Serial No. 177,496; published Dec. 4, 1923.
Hops. B. McGibbon. 179,652; Feb. 12; Serial No. 183,660; published Nov. 13, 1923.
Ice. Imperial Ice and Development Company. 179,611; Feb. 12; Serial No. 182,418; published Nov. 20, 1923.
Leather. Seton Leather Co. 179,592; Feb. 12; Serial No. 177,202; published Nov. 20, 1923.
Oats, Seed. Pedigreed Seed Company. 179,784; Feb. 12.
Pelts. J. L. Alvord. 179,538; Feb. 12; Serial No. 165,776; published Dec. 4, 1923.
Pelts. H. Rosenberg. 179,491; Feb. 12; Serial No. 173,248; published Nov. 20, 1923.
Phenolic condensation product, Laminated. Diamond State Fibre Company. 179,667; Feb. 12; Serial No. 183,442; published Nov. 27, 1923.
Phenolic condensation product, Laminated. Diamond State Fibre Company. 179,668; Feb. 12; Serial No. 183,439; published Nov. 27, 1923.
Plants, Strawberry. R. M. Kellogg Co. 179,497–8; Feb. 12; Serial Nos. 179,870–1; published Nov. 27, 1923.
Seeds and bulbs. Stumpp & Walter Co. 179,637; Feb. 12; Serial No. 182,019; published Dec. 4, 1923.

CLASS 2.

Ash, garbage, and oil cans; trash burners, etc. H. P. Chandlee Sons Co. 179,720; Feb. 12; Serial No. 185,106; published Nov. 27, 1923.
Staves. Bobet Brothers, Inc. 179,580; Feb. 12; Serial No. 179,581; published Dec. 4, 1923.
Tanks. E. W. Farley. 179,664; Feb. 12; Serial No. 183,942; published Nov. 27, 1923.
Tanks and settling basins. Kaustine Company. 179,526; Feb. 12; Serial No. 177,086; published Nov. 27, 1923.

CLASS 4.

Cleaner, also enamel cleaner, Furniture and automobile. J. A. Meinhardt. 179,601; Feb. 12; Serial No. 180,875; published Nov. 27, 1923.
Cleansing preparation. W. Greever. 179,621; Feb. 12; Serial No. 185,579; published Nov. 20, 1923.
Footwear, Cleaner for satin. Rex-Oil Company. 179,729; Feb. 12; Serial No. 186,158; published Nov. 20, 1923.
Hone. American Hone Co. 179,739; Feb. 12; Serial No. 185,237; published Nov. 20, 1923.
Oil, Petroleum. Vacuum Oil Company. 179,487; Feb. 12; Serial No. 171,294; published Nov. 20, 1923.
Polisher, Prepared textile stove. K. C. Rawles. 179,481; Feb. 12; Serial No. 183,548; published Nov. 20, 1923.
Powder for removing oil and grease, etc., Water-soluble. American Chemical Paint Company. 179,604; Feb. 12; Serial No. 181,235; published Nov. 20, 1923.
Pumice artificial rubbing stone, Pure. Vargo Trading Corporation. 179,730; Feb. 12; Serial No. 186,170; published Nov. 20, 1923.
Soap. J. B. Beaton Co. 179,734; Feb. 12; Serial No. 185,405; published Nov. 20, 1923.
Soap. Richard Hudnut. 179,479; Feb. 12; Serial No. 183,880; published Nov. 20, 1923.
Soap. J. B. Williams Company. 179,733; Feb. 12; Serial No. 185,806; published Nov. 20, 1923.
Soap cream, Shaving. Wm. McDonagh & Sons. 179,461; Feb. 12; Serial No. 179,673; published Nov. 20, 1923.
Soap, Medicated. L. D. Caulk Company. 179,735; Feb. 12; Serial No. 185,412; published Nov. 20, 1923.
Soap, Medicated. Menley & James, Limited. 179,731; Feb. 12; Serial No. 185,607; published Nov. 20, 1923.
Soap powder. Luckel, King & Cake Soap Co. 179,624; Feb. 12; Serial No. 186,145; published Nov. 20, 1923.
Soaps and creams, Shaving. Clo & Cie., Inc. 179,603; Feb. 12; Serial No. 181,247; published Nov. 20, 1923.
Soaps, Laundry. Szabady Soap Mfg. Co. 179,736; Feb. 12; Serial No. 185,503; published Nov. 20, 1923.
Sweeping compound. Mutual Oil Company. 179,483; Feb. 12; Serial No. 184,141; published Nov. 20, 1923.
Waterproofing, softening and preserving preparation for leather. D. B. Hostetter. 179,740; Feb. 12; Serial No. 185,251; published Nov. 20, 1923.

CLASS 6.

Adhesive tapes. Deane Plaster Co. 179,509; Feb. 12; Serial No. 170,971; published Nov. 20, 1923.
Hydrastis canadensis, Nonalcoholic solution of the active medicinal principles of. W. S. Merrell. 179,610; Feb. 12; Serial No. 182,834; published Nov. 20, 1923.
Medicines. Guarantee Remedies Company. 179,781; Feb. 12.
Paste or flux, Soldering. C. Weaver. 179,425; Feb. 12; Serial No. 183,868; published Nov. 20, 1923.
Remedy or medicine. F. C. Worthy. 179,792; Feb. 12.
Toilet water. W. J. Bush & Co. 179,760; Feb. 12.

CLASS 7.

Rope, Vegetable-fiber. Whitlock Cordage Co. 179,502; Feb. 12; Serial No. 182,370; published Nov. 27, 1923.

CLASS 8.

Pipes and cigar holders. C. H. Longbottom. 179,579; Feb. 12; Serial No. 179,612; published Nov. 13, 1923.

CLASS 10.

Tankage and fertilizer. E. Rauh & Sons Fertilizer Company. 179,657; Feb. 12; Serial No. 184,762; published Nov. 27, 1923.

CLASS 12.

Asphalt. Kentucky Rock Asphalt Company. 179,677; Feb. 12; Serial No. 183,387; published Nov. 27, 1923.
Asphalt. United States Asphalt Refining Company. 179,485; Feb. 12; Serial No. 183,425; published Nov. 20, 1923.
Brick. Simons Brick Company. 179,662; Feb. 12; Serial No. 184,426; published Nov. 27, 1923.
Bricks. F. Graham Williams Brick Co. 179,486; Feb. 12; Serial No. 169,044; published Nov. 20, 1923.
Cement in laying up fire brick and kindred uses, Furnace. S. Obermayer Co. 179,484; Feb. 12; Serial No. 184,094; published Nov. 20, 1923.
Eaves trough and eaves-trough drops, ends, etc. Milwaukee Corrugating Company. 179,554; Feb. 12; Serial No. 137,326; published Nov. 20, 1923.
Linings in block form and in the nature of fire brick. Edge Hill Silica Rock Company. 179,777; Feb. 12.
Luting composition. F. R. Schulz. 179,480; Feb. 12; Serial No. 183,859; published Nov. 20, 1923.
Slate, Roofing. John D. Emack Company. 179,573; Feb. 12; Serial No. 179,034; published Nov. 27, 1923.

CLASS 13.

Hinges. Stanley Works. 179,690; Feb. 12; Serial No. 184,691; published Dec. 4, 1923.
Hinges. Stanley Works. 179,701; Feb. 12; Serial No. 184,690; published Dec. 4, 1923.
Lath, Fasteners for securing and spacing metal. Bull Dog Plaster Grip Company. 179,584; Feb. 12; Serial No. 180,324; published Dec. 4, 1923.
Pipe couplings. Chekflo Associates. 179,791; Feb. 12.
Pipes and bends, T's, Y's, and drainage traps. Eastern Foundry Company. 179,575; Feb. 12; Serial No. 178,557; published Nov. 27, 1923.

CLASS 14.

Rails, Steel. L. B. Foster Co. 179,687–8; Feb. 12; Serial Nos. 184,072–3; published Dec. 4, 1923.

CLASS 15.

Candles. Standard Oil Company. 179,523; Feb. 12; Serial No. 186,936; published Nov. 27, 1923.
Candles. Standard Oil Company. 179,524; Feb. 12; Serial No. 186,726; published Nov. 27, 1923.
Candles. Standard Oil Company. 179,749; Feb. 12; Serial No. 171,744; published Dec. 4, 1923.
Gasoline, naphtha, benzene, kerosene, etc. Spokane Wyoming Petroleum Company. 179,585; Feb. 12; Serial No. 165,570; published Nov. 27, 1923.

Kerosene. Associated Oil Company. 179,684; Feb. 12; Serial No. 184,015; published Nov. 27, 1923.
Oils and greases, Lubricating. Motive Lubricant Corporation. 179,648; Feb. 12; Serial No. 183,669; published Nov. 27, 1923.
Oils, motor lubricating oils, and lubricants, Fuel. Barnsdall Refining Company. 179,565; Feb. 12; Serial No. 158,560; published Nov. 27, 1923.
Oils, Penetrating, lubricating. J. F. Piatt. 179,556; Feb. 12; Serial No. 155,069; published Nov. 27, 1923.

CLASS 16.

Calcimines. Muralo Company. 179,669; Feb. 12; Serial No. 183,398; published Nov. 27, 1923.
Cleaning and polishing liquids. Motor Car Painting & Trimming Co. 179,521; Feb. 12; Serial No. 186,441; published Nov. 27, 1923.
Cleaning and polishing preparation. R. A. Oakley. 179,506; Feb. 12; Serial No. 182,481; published Nov. 27, 1923.
Cleanser and polish, Automobile. W. M. Myers. 179,718; Feb. 12; Serial No. 185,306; published Nov. 27, 1923.
Enamel and rubber paint, Black. National Compound Co. 179,581; Feb. 12; Serial No. 179,318; published Nov. 27, 1923.
Paint, Aluminum. S. Porcell. 179,563; Feb. 12; Serial No. 158,193; published Nov. 27, 1923.
Paints, Ready-mixed. B. F. Johnston Paint Company. 179,520; Feb. 12; Serial No. 186,553; published Nov. 27, 1923.
Polishes for furniture, floors, and automobiles. Chiswick Polish Co. 179,681; Feb. 12; Serial No. 183,731; published Dec. 4, 1923.
Stains, varnishes, fillers, and paints. Bridge-Sullivan Manufacturing Company. 179,680; Feb. 12; Serial No. 183,249; published Nov. 27, 1923.
Varnish, Uncolored. B. & T. Varnish Company. 179,669; Feb. 12; Serial No. 184,118; published Nov. 27, 1923.

CLASS 17.

Cigarettes. L. J. Limper. 179,732; Feb. 12; Serial No. 185,787; published Nov. 27, 1923.
Cigarettes and tobacco. A. Coulapides, Inc. 179,432; Feb. 12; Serial No. 184,392; published Nov. 20, 1923.
Cigars. S. Josephson. 179,790; Feb. 12.
Cigars. A. B. McCall. 179,727; Feb. 12; Serial No. 187,012; published Nov. 27, 1923.
Cigars. C. H. Michael. 179,728; Feb. 12; Serial No. 185,832; published Nov. 27, 1923.
Cigars. Marcelino Peres & Company. 179,435; Feb. 12; Serial No. 184,661; published Nov. 20, 1923.
Cigars. Marcelino Peres & Company. 179,436-9; Feb. 12; Serial Nos. 184,662-3; published Nov. 20, 1923.
Cigars, cigarettes, and smoking tobacco. J. Koppel. 179,441; Feb. 12; Serial No. 185,125; published Nov. 20, 1923.
Tobacco, tobacco for smoking and chewing, and snuff, etc., Raw. Orientalische Tabak- u. Cigarettenfabrik Yenidze, Inhaber, Hugo Zietz. 179,559; Feb. 12; Serial No. 151,507; published June 19, 1923.

CLASS 19.

Automobile baggage carrier. Leather Mat Manufacturing Co. 179,477; Feb. 12; Serial No. 169,978; published Nov. 20, 1923.
Automobile bodies, tops, and wheels. E. W. Erdmann. 179,667; Feb. 12; Serial No. 154,016; published Nov. 20, 1923.
Automobiles, automobile trucks, boats, etc. Societe Anonyme des Anciens Etablissements Panhard & Levassor. 179,692; Feb. 12; Serial No. 184,305; published Dec. 4, 1923.
Automobiles, automobile trucks, boats, etc. Societe Anonyme des Anciens Etablissements Panhard & Levassor. 179,694; Feb. 12; Serial No. 184,307; published Dec. 4, 1923.
Boats. Electric Boat Company. 179,642; Feb. 12; Serial No. 182,706; published Nov. 27, 1923.
Busses and parts thereof, Motor. New York Transportation Co. 179,691; Feb. 12; Serial No. 184,675; published Nov. 27, 1923.
Golf-bag holders. Smith & Gregory. 179,757; Feb. 12; Serial No. 177,525; published Nov. 27, 1923.
Oil and grease, Casings, coverings, and holders for. Lebri-Gaiters Limited. 179,507; Feb. 12; Serial No. 182,421; published Oct. 23, 1923.
Taxicabs, Automobile. Yellow Cab Manufacturing Co. 179,527; Feb. 12; Serial No. 178,794; published Nov. 27, 1923.
Taxicabs, Automobile. Yellow Cab Manufacturing Co. 179,589; Feb. 12; Serial No. 180,315; published Nov. 27, 1923.
Vehicles, Cabs for. Sheet Steel Products Co. 179,659; Feb. 12; Serial No. 184,686; published Nov. 27, 1923.
Vehicles, Scuff and step plates for. Coast Specialty Sales Company. 179,587; Feb. 12; Serial No. 180,689; published Nov. 27, 1923.

CLASS 22.

Balls, Golf. Kaufmann Department Stores, Inc. 179,627; Feb. 12; Serial No. 186,429; published Nov. 27, 1923.
Balls, Squash. Automobile Proprietary, Limited. 179,736; Feb. 12; Serial No. 186,686; published Nov. 27, 1923.
Cards, Playing. H. H. Havard. 179,628; Feb. 12; Serial No. 186,706; published Nov. 27, 1923.
Fishing line. Ashaway Line & Twine Manufacturing Company. 179,609; Feb. 12; Serial No. 182,494; published Nov. 27, 1923.
Fishing lures and baits, fishing hooks and lures for fishing hooks, etc., Artificial. South Bend Bait Co. 179,779; Feb. 12.
Toy piano. North American Toy Co. 179,600; Feb. 12; Serial No. 180,616; published Nov. 27, 1923.

CLASS 23.

Binders, reapers, mowers, hayrakes, etc. International Harvester Company. 179,631; Feb. 12; Serial No. 181,280; published Dec. 4, 1923.
Bottle filling and capping machines, dairy machinery, etc. H. H. Miller Industries Company, The. 179,649; Feb. 12; Serial No. 182,982; published Nov. 27, 1923.
Gearings for motor cars. Warren Gear Products Company. 179,630; Feb. 12; Serial No. 181,504; published Dec. 4, 1923.
Handles, Tool. Hartwell Brothers. 179,647; Feb. 12; Serial No. 182,908; published Nov. 27, 1923.
Knives, razors, scissors, etc. Natenberg-Strauss Importing Co. 179,452; Feb. 12; Serial No. 177,316; published Aug. 7, 1923.
Machines and apparatus for working leather, etc. Fortuna-Werke Spezialmaschinenfabrik G. m. b. H. 179,644; Feb. 12; Serial No. 182,508; published Dec. 4, 1923.
Screw drivers. T. B. Powers. 179,545; Feb. 12; Serial No. 167,895; published Dec. 4, 1923.
Separators, Gravity. Jessup Needle Screen Separator Company. 179,775; Feb. 12.

CLASS 26.

Optical, drawing, and copying apparatus. Fortuna-Werke Spezialmaschinenfabrik G. m. b. H. 179,639; Feb. 12; Serial No. 182,507; published Dec. 4, 1923.
Photographic lenses. Ica, Aktiengesellschaft. 179,632; Feb. 12; Serial No. 181,075; published Dec. 4, 1923.

CLASS 29.

Brushes. Lincoln Paint & Color Company. 179,613; Feb. 12; Serial No. 182,978; published Nov. 20, 1923.
Brushes. Peninsular Paint & Varnish Company. 179,614; Feb. 12; Serial No. 182,992; published Nov. 20, 1923.
Hairbrushes, nailbrushes, toothbrushes, etc. Van Vleet-Mansfield Drug Co. 179,726; Feb. 12; Serial No. 186,729; published Nov. 27, 1923.

CLASS 30.

Crockery and porcelain. Gorham Manufacturing Company. 179,558; Feb. 12; Serial No. 152,251; published Nov. 20, 1923.

CLASS 32.

Chairs, Office, household, and factory. W. S. Ferris. 179,678; Feb. 12; Serial No. 183,102; published Nov. 27, 1923.
Chests or cabinets, Display. Oneida Community Limited. 179,549; Feb. 12; Serial No. 169,728; published Nov. 27, 1923.
Crib, Collapsible baby. D. D. Comstock. 179,683; Feb. 12; Serial No. 183,909; published Nov. 27, 1923.
Desks, tables, etc. Wagemaker Company. 179,682; Feb. 12; Serial No. 183,867; published Nov. 27, 1923.
Furniture, Children's. Seirite Products Inc. 179,568; Feb. 12; Serial No. 162,319; published Nov. 27, 1923.

CLASS 33.

Lenses, Mirrored. C. F. Bacon, trustee. 179,574; Feb. 12; Serial No. 179,024; published Nov. 20, 1923.

CLASS 34.

Heating apparatus. General Gas Mantle Co. 179,717; Feb. 12; Serial No. 185,354; published Nov. 27, 1923.
Lamp wick. Gill Brothers Company. 179,660; Feb. 12; Serial No. 184,665; published Nov. 27, 1923.
Oil burners, balanced draft equipment for furnaces, etc. Engineer Company. 179,743; Feb. 12; Serial No. 181,882; published Nov. 20, 1923.
Stoves. Kremer Metal Products Co. 179,426; Feb. 12; Serial No. 183,303; published Nov. 27, 1923.
Stoves, gas fireplace heaters, and incinerators. Guardian Gas Appliance Company. 179,656; Feb. 12; Serial No. 184,852; published Nov. 27, 1923.

CLASS 35.

Hose. Goodyear Tire & Rubber Company. 179,511; Feb. 12; Serial No. 111,518; published Nov. 27, 1923.
Hose, Flexible metal. Atlantic Metal Hose Co. 179,588; Feb. 12; Serial No. 180,684; published Dec. 4, 1923.
Piston rings. C. D. Hellyer. 179,783; Feb. 12.
Tires. A. Grinberg. 179,494; Feb. 12; Serial No. 179,468; published Nov. 27, 1923.
Tires and tubes, Vehicle. Goodyear Tire & Rubber Company. 179,515; Feb. 12; Serial No. 174,242; published Nov. 27, 1923.
Tires, Automobile. Michelin Tire Company. 179,695; Feb. 12; Serial No. 184,413; published Nov. 13, 1923.

Tires, Automobile rubber. Inland Rubber Company. 179,767; Feb. 12.
Tires, Elastic vehicle. Norwalk Tire & Rubber Company. 179,646; Feb. 12; Serial No. 182,926; published Dec. 4, 1923.

CLASS 38.

Bonds, coupons, certificate of stocks, etc., Vendible coupon. Prudence-Bonds Corporation. 179,762; Feb. 12; Serial No. 177,924; published Nov. 27, 1923.
Books, Instruction. C. P. Boals. 179,430; Feb. 12; Serial No. 183,793; published Nov. 20, 1923.
Cartoons. King Features Syndicate, Inc. 179,617; Feb. 12; Serial No. 185,468; published Nov. 20, 1923.
Magazine. F. W. Dodge Corporation. 179,618-20; Feb. 12; Serial Nos. 185,570-2; published Nov. 20, 1923.
Magazine, Financial. Financier Publishing Co. 179,655; Feb. 12; Serial No. 184,903; published Nov. 20, 1923.
Magazine, Monthly. Photodramatist Publishing Company. 179,599; Feb. 12; Serial No. 179,550; published Nov. 20, 1923.
Magazine, Monthly. W. M. Traer. 179,516; Feb. 12; Serial No. 174,040; published Aug. 21, 1923.
Maps and printed road guides, Road. United States Survey Company. 179,746; Feb. 12; Serial No. 170,800; published Nov. 27, 1923.
Newspaper articles, Pen name or nom de plume on. N. N. Cheate. 179,513; Feb. 12; Serial No. 161,967; published Nov. 20, 1923.
Pamphlets published semimonthly. Level Club, Inc. 179,651; Feb. 12; Serial No. 183,657; published Nov. 27, 1923.
Periodical, Daily. Derrick Publishing Company. 179,675; Feb. 12; Serial No. 183,435; published Nov. 27, 1923.
Periodical, Weekly. Derrick Publishing Company. 179,673; Feb. 12; Serial No. 183,436; published Nov. 27, 1923.
Periodicals, Weekly. Leslie-Judge Company. 179,685; Feb. 12; Serial No. 183,982; published Nov. 27, 1923.
Photoplay stories, Novelized original. G. D. Swarts. 179,444; Feb. 12; Serial No. 185,162; published Nov. 20, 1923.
Publication. C. B. Bradley. 179,716; Feb. 12; Serial No. 185,407; published Nov. 20, 1923.
Publication. C. Cross. 179,594; Feb. 12; Serial No. 177,476; published Nov. 20, 1923.
Publication, Daily. J. L. Frasier. 179,438; Feb. 12; Serial No. 184,129; published Nov. 20, 1923.
Publication, Monthly. Order of Scottish Clans. 179,495; Feb. 12; Serial No. 186,924; published Nov. 20, 1923.

CLASS 39.

Aprons, shirts, and rompers. Miller & Canary. 179,428; Feb. 12; Serial No. 183,753; published Nov. 20, 1923.
Boots and shoes, Leather. International Shoe Company. 179,668; Feb. 12; Serial No. 183,707; published Nov. 27, 1923.
Caps, sweaters, and underwear. McLoughlin Textile Corporation. 179,440; Feb. 12; Serial No. 185,126; published Nov. 20, 1923.
Clothes, Men's, young men's, and boys'. Chas. Dougils Mack Co. 179,686; Feb. 12; Serial No. 184,069; published Dec. 4, 1923.
Clothing, Men's outer. Hirsh, Wickwire Company. 179,534; Feb. 12; Serial No. 165,192; published Dec. 4, 1923.
Coats. T. Klipstein. 179,564; Feb. 12; Serial No. 159,267; published Dec. 4, 1923.
Coats, overcoats, hosiery, etc. Adsit and Rugy Inc. 179,503; Feb. 12; Serial No. 174,421; published Nov. 20, 1923.
Corsets, waist corsets, brassières. C. Munter. 179,785; Feb. 12.
Corsets, waist corsets, brassières. C. Munter. 179,789; Feb. 12.
Dresses, gowns, waists, skirts, etc. Miracle Dress Co. 179,759; Feb. 12; Serial No. 176,564; published Nov. 27, 1923.
Furs, Manufactured. A. Jaeckel & Co. 179,500; Feb. 12; Serial No. 182,097; published Nov. 27, 1923.
Garters, belts, suspenders, etc. International Standard Exporting Corporation. 179,555; Feb. 12; Serial No. 148,976; published Dec. 4, 1923.
Gloves, Leather. V. Perrin & Cie. 179,788; Feb. 12.
Hats and caps. Nemo Hat Company. 179,607; Feb. 12; Serial No. 181,535; published Nov. 20, 1923.
Hosiery. Apter Co. 179,699; Feb. 12; Serial No. 184,577; published Nov. 27, 1923.
Hosiery. Detroit Hosiery Company. 179,763; Feb. 12; Serial No. 177,994; published Dec. 4, 1923.
Neckties, Men's. Ely & Walker Dry Goods Company. 179,431; Feb. 12; Serial No. 184,440; published Nov. 20, 1923.
Overalls and work jackets. J. C. Penney Company. 179,640; Feb. 12; Serial No. 182,483; published Nov. 27, 1923.
Overalls; men's work clothing. Wilhoite Evans & Cohn Inc. 179,436; Feb. 12; Serial No. 184,882; published Nov. 20, 1923.
Pumps, Hempen. N. Adot y Hno. 179,508; Feb. 12; Serial No. 182,962; published Nov. 27, 1923.
Rubber soles and heels. Panther Rubber Manufacturing Company. 179,666; Feb. 12; Serial No. 183,539; published Nov. 27, 1923.
Shirts, boys' blouses, and pyjamas. Phillips-Jones Corporation. 179,679; Feb. 12; Serial No. 183,121; published Nov. 27, 1923.
Shirts, collars, cravats, nightshirts, and pyjamas. Greener, Millich Company. 179,586; Feb. 12; Serial No. 180,700; published Nov. 27, 1923.
Shirts, Dress. George P. Ide & Company. 179,540; Feb. 12; Serial No. 166,832; published Nov. 27, 1923.
Shirts, Dress. George P. Ide & Company. 179,541; Feb. 12; Serial No. 166,831; published Dec. 4, 1923.
Shirts, Men's work. Reliance Manufacturing Company. 179,498; Feb. 12; Serial No. 174,754; published Nov. 20, 1923.
Shoes, Ladies'. Jacobs & Thatcher Co. 179,553; Feb. 12; Serial No. 138,498; published Nov. 13, 1923.
Shoes of leather, Men's. International Shoe Company. 179,670; Feb. 12; Serial No. 183,297; published Nov. 27, 1923.
Shoes of leather, Men's. International Shoe Company. 179,676; Feb. 12; Serial No. 183,298; published Dec. 4, 1923.
Skirts, princess slips, combination corset cover and skirt, etc., Knit. E. L. Marshall. 179,560; Feb. 12; Serial No. 167,385; published Nov. 27, 1923.
Suits and overcoats, Boys'. Winning, Rattner Co. 179,616; Feb. 12; Serial No. 185,396; published Nov. 20, 1923.
Suits and overcoats for children and men. Bettmann-Kleinhauser Clothing Company. 179,429; Feb. 12; Serial No. 183,792; published Nov. 20, 1923.
Suits and overcoats, Men's. Famous Tailors Corporation. 179,536; Feb. 12; Serial No. 165,491; published Dec. 4, 1923.
Suits, Boys' and children's outer-wear. J. S. Hoffman. 179,645; Feb. 12; Serial No. 182,970; published Dec. 4, 1923.
Suits, Infants'. William Greilich & Sons, Inc. 179,572; Feb. 12; Serial No. 178,098; published Nov. 27, 1923.
Suits, skirts, blouses, jacquettes, etc. Lord & Taylor. 179,605; Feb. 12; Serial No. 181,409; published Nov. 20, 1923.
Sweaters. I. Berger. 179,608; Feb. 12; Serial No. 181,719; published Nov. 20, 1923.
Sweaters, cardigan jackets, scarfs, bathing suits, etc. Korn Bros. 179,442; Feb. 12; Serial No. 186,342; published Nov. 20, 1923.
Sweaters, dresses, suits, scarfs, etc. Columbia Knitting Mills. 179,782; Feb. 12.
Sweaters, knit coats, and bathing suits. Hatheway & Reynolds. 179,622; Feb. 12; Serial No. 185,658; published Dec. 4, 1923.
Ties, cravats. Friedman Bros. & Sons Neckwear Co. 179,443; Feb. 12; Serial No. 185,290; published Nov. 20, 1923.
Ties, shirts, suits, shoes, sweaters, etc. H. P. King Company. 179,698; Feb. 12; Serial No. 184,615; published Nov. 27, 1923.
Topcoats and overcoats. Piper & Salerno Co. 179,615; Feb. 12; Serial No. 185,229; published Nov. 20, 1923.
Undergarments and nightgowns. Worth While Garment Co. 179,487; Feb. 12; Serial No. 184,701; published Nov. 20, 1923.
Underwear for men, shirts, pants, etc. Carley, Rice Company. 179,525; Feb. 12; Serial No. 176,600; published Nov. 27, 1923.
Underwear, Ladies'. Loris Undergarment Co. 179,544; Feb. 12; Serial No. 168,322; published Nov. 27, 1923.

CLASS 40.

Art needlework. Southern Yarn Exchange. 179,462; Feb. 12; Serial No. 181,158; published Nov. 20, 1923.
Combs. Julius Schmid, Inc. 179,519; Feb. 12; Serial No. 186,674; published Nov. 27, 1923.
Combs, barrettes, hairpins, safety pins, etc. S. Blechman & Sons Inc. 179,663; Feb. 12; Serial No. 184,160; published Nov. 27, 1923.
Crochet hooks, needles, and thimbles. American Wholesale Corporation (Baltimore Bargain House). 179,496; Feb. 12; Serial No. 180,262; published Nov. 27, 1923.
Elastic goods, Braid. W. H. M. Clark Incorporated. 179,719; Feb. 12; Serial No. 185,107; published Nov. 27, 1923.
Hairpins. Abraham & Straus, Inc. 179,522; Feb. 12; Serial No. 186,403; published Nov. 27, 1923.
Hooks and eyes, safety and toilet pins. De Long Hook and Eye Company. 179,703; Feb. 12; Serial No. 186,114; published Nov. 27, 1923.
Pins, Safety. C. H. Crowley. 179,722; Feb. 12; Serial No. 185,074; published Nov. 27, 1923.
Shoe lacers. Hatjy George Bros. 179,737; Feb. 12; Serial No. 184,402; published Nov. 20, 1923.
Snap fasteners. C. H. Crowley. 179,721; Feb. 12; Serial No. 185,075; published Nov. 27, 1923.
Straps for connecting the supporting straps of ladies' undergarments, Cross. E. A. Robinson. 179,712; Feb. 12; Serial No. 185,765; published Nov. 27, 1923.
Webbing, Elastic. Ansonia O & C Co. 179,654; Feb. 12; Serial No. 184,954; published Nov. 27, 1923.

CLASS 42.

Cloth in the piece, Diaper. Millville Manufacturing Company. 179,489; Feb. 12; Serial No. 171,854; published Dec. 4, 1923.

Cotton piece goods. Edwin E. Berliner & Co. 179,490; Feb. 12; Serial No. 171,444; published Nov. 13, 1923.
Cotton piece goods. H. J. Cathcart. 179,760; Feb. 12; Serial No. 177,546; published June 12, 1923.
Cotton piece goods. Cohn Hall Marx Co. 179,597; Feb. 12; Serial No. 179,518; published Dec. 4, 1923.
Cotton piece goods. Everett, Heaney & Co. 179,492; Feb. 12; Serial No. 173,182; published Dec. 4, 1923.
Cotton piece goods. Whitworth & Mitchell, Limited. 179,542; Feb. 12; Serial No. 167,859; published Nov. 13, 1923.
Cotton piece goods. Wilton Manufacturing Co. 179,761; Feb. 12; Serial No. 177,536; published July 24, 1923.
Cotton piece goods, Woven. Neuss, Hesslein & Co. 179,550; Feb. 12; Serial No. 121,908; published Dec. 13, 1921.
Cottons in the piece, Brown. Louis Stix Co. 179,596; Feb. 12; Serial No. 178,680; published Dec. 4, 1923.
Damasks, Table. A. W. Baylis Co. 179,697; Feb. 12; Serial No. 184,632; published Nov. 20, 1923.
Fabric, Worsted and woolen textile. Holden-Leonard Company. 179,776; Feb. 12.
Hair nets. J. Giguet. 179,578; Feb. 12; Serial No. 180,176; published Nov. 20, 1923.
Hair nets. J. Giguet. 179,583; Feb. 12; Serial No. 180,177; published Nov. 20, 1923.
Hair nets. Gracenet Company. 179,577; Feb. 12; Serial No. 179,147; published Nov. 20, 1923.
Knitted crêpe, Silk. Banner Silk Knitting Mills, Inc. 179,752; Feb. 12; Serial No. 175,378; published May 1, 1923.
Pile fabrics. Teague Manufacturing Company. 179,650; Feb. 12; Serial No. 183,895; published Oct. 2, 1923.
Serge, Worsted. S. Stein & Co. 179,532; Feb. 12; Serial No. 164,462; published June 12, 1923.
Silk fabric, Artificial. Société pour la Fabrication de la Soie "Rhodiaseta." 179,750; Feb. 12; Serial No. 173,540; published Nov. 20, 1923.
Silk piece goods. Schwarzenbach Huber Company. 179,457; Feb. 12; Serial No. 169,520; published Dec. 12, 1922.
Silk piece goods. Voss & Stern. 179,764; Feb. 12; Serial No. 177,534; published Dec. 4, 1923.
Silk piece goods. Zollinger & Schroth, Inc. 179,755; Feb. 12; Serial No. 175,906; published Apr. 10, 1923.
Silks in the piece. Jansen & Pretzfeld, Inc. 179,531; Feb. 12; Serial No. 164,645; published Nov. 13, 1923.
Woolen cloth in the piece. S. Stein & Company. 179,693; Feb. 12; Serial No. 184,190; published Nov. 13, 1923.

CLASS 43.

Thread. North Jersey Braiding Co. 179,778; Feb. 12.
Thread, Cotton. Smith & Dove Manufacturing Co. 179,576; Feb. 12; Serial No. 179,231; published Nov. 13, 1923.
Thread, Shoe. Barbour Brothers Co. 179,566; Feb. 12; Serial No. 160,335; published June 26, 1923.
Yarns. Bernhard Ulmann Co. 179,753; Feb. 12; Serial No. 176,377; published Nov. 13, 1923.
Yarns. Hand-knitting wool. Bernhard Ulmann Co. 179,756; Feb. 12; Serial No. 176,381; published Nov. 13, 1923.

CLASS 44.

Manicure sets. J. Richter. 179,528; Feb. 12; Serial No. 177,516; published Nov. 27, 1923.
Massaging or tapping device, Manual facial. E. H. Treinies. 179,553; Feb. 12; Serial No. 185,061; published Nov. 27, 1923.
Sanitary protective bloomer. S. H. Shoninger. 179,533; Feb. 12; Serial No. 163,708; published Dec. 4, 1923.
Syringes, Vaginal. Vant Wood Rubber Co. 179,510; Feb. 12; Serial No. 154,099; published Mar. 7, 1922.
Therapeutical apparatus called oxyhealer. S. Maeshima. 179,561; Feb. 12; Serial No. 155,900; published July 10, 1923.

CLASS 45.

Beer, Root. Albert Lea Bottling Works. 179,793; Feb. 12.
Beverage and sirup for making the same. C. E. Chapman. 179,464; Feb. 12; Serial No. 181,434; published Nov. 27, 1923.
Beverage, beverage sirup, and concentrate used as soft drink. National Chemical Products Co. 179,457; Feb. 12; Serial No. 179,215; Nov. 27, 1923.
Beverage, Nonalcoholic, maltless. L. G. Leech. 179,724; Feb. 12; Serial No. 186,512; published Nov. 27, 1923.
Beverage sirup for soft drinks. J. P. Jones. 179,482; Feb. 12; Serial No. 184,340; published Nov. 27, 1923.
Beverages, concentrates, and compounds for making the same. California Crushed Fruit Company. 179,626; Feb. 12; Serial No. 186,349; published Nov. 20, 1923.
Beverages, root beer and root-beer extracts, and sirups for making soft drinks, Nonalcoholic. California Laboratories, Inc. 179,738; Feb. 12; Serial No. 184,587; published Nov. 27, 1923.
Beverages sold as soft drinks. J. A. Mitchell. 179,606; Feb. 12; Serial No. 181,491; published Nov. 20, 1923.
Sirup for making of beverages. Bourbon-Ola Company. 179,623; Feb. 12; Serial No. 186,101; published Nov. 20, 1923.
Sirups and beverages sold as soft drinks. United Beverage Products Company. 179,427; Feb. 12; Serial No. 183,726; published Nov. 20, 1923.
Water, Mineral. Silver King Mineral Water Co. 179,629; Feb. 12; Serial No. 186,759; published Nov. 20, 1923.

CLASS 46.

Banana jelly. D. Maronik. 179,706; Feb. 12; Serial No. 185,980; published Nov. 27, 1923.
Banana slices, Dried. D. Maronik. 179,705; Feb. 12; Serial No. 185,981; published Nov. 27, 1923.
Beverage, Milk-chocolate. Missouri Valley Creamery Company. 179,595; Feb. 12; Serial No. 177,568; published Nov. 20, 1923.
Bread. J. C. Dempster. 179,741; Feb. 12; Serial No. 182,704; published Nov. 20, 1923.
Bread. W. P. M. Greick. 179,472; Feb. 12; Serial No. 162,815; published Nov. 20, 1923.
Bread. Hochman & Wertheim. 179,449; Feb. 12; Serial No. 176,079; published Nov. 20, 1923.
Bread. Kroger Grocery & Baking Co. 179,557; Feb. 12; Serial No. 153,885; published Dec. 4, 1923.
Bread. Mackechnie Bread Company. 179,469; Feb. 12; Serial No. 156,097; published Nov. 20, 1923.
Bread, butter, eggs, tea, etc. Wright & Parker Company. 179,658; Feb. 12; Serial No. 184,778; published Nov. 27, 1923.
Butter. H. N. Brawner, jr. 179,470; Feb. 12; Serial No. 161,348; published Nov. 20, 1923.
Butter and cheese. New Zealand Co-operative Dairy Company Limited. 179,478; Feb. 12; Serial No. 168,335; published Nov. 20, 1923.
Butter, Nut. E. F. Drew & Co. 179,475; Feb. 12; Serial No. 163,617; published Nov. 20, 1923.
Cake. C. A. Hellwig. 179,744; Feb. 12; Serial No. 181,988; published Nov. 20, 1923.
Cake. Purity Cake Company. 179,447; Feb. 12; Serial No. 175,212; published Nov. 20, 1923.
Candies. C. S. Ball Candy Co. 179,709; Feb. 12; Serial No. 185,856; published Nov. 27, 1923.
Candies. I. E. Block. 179,569; Feb. 12; Serial No. 162,237; published Dec. 4, 1923.
Candies. Sophie Mae Candy Corporation. 179,512; Feb. 12; Serial No. 164,065; published Nov. 27, 1923.
Candy. E. A. Hoffman Candy Co. 179,636; Feb. 12; Serial No. 182,096; published Dec. 4, 1923.
Candy. A. G. Morse Co. 179,710; Feb. 12; Serial No. 185,834; published Nov. 27, 1923.
Candy bar, Chocolate-covered. Confection Products Inc. 179,711; Feb. 12; Serial No. 185,818; published Nov. 27, 1923.
Canned and dehydrated fruits and vegetables. King's Food Products Company. 179,591; Feb. 12; Serial No. 165,392; published Dec. 4, 1923.
Canned berries and vegetables. Humbird Canning Co. 179,598; Feb. 12; Serial No. 179,535; published Nov. 27, 1923.
Canned chili. Pablo Baka G. 179,529; Feb. 12; Serial No. 179,349; published Nov. 20, 1923.
Canned fruits and vegetables. Beecsemyer-Waggoner, Inc. 179,715; Feb. 12; Serial No. 185,650; published Nov. 20, 1923.
Canned fruits and vegetables. W. J. Dorgan. 179,517; Feb. 12; Serial No. 186,271; published Nov. 27, 1923.
Canned fruits and vegetables. Lucido Brothers Grocery Company. 179,612; Feb. 12; Serial No. 182,159; published Nov. 27, 1923.
Canned fruits and vegetables. Nielsen Packing Co. 179,634; Feb. 12; Serial No. 181,852; published Dec. 4, 1923.
Canned fruits and vegetables. Nielsen Packing Co. 179,635; Feb. 12; Serial No. 181,848; published Dec. 4, 1923.
Canned sardines. Coast Fishing Company. 179,708; Feb. 12; Serial No. 185,919; published Nov. 27, 1923.
Canned vegetables. Central Wholesale Grocers, Inc. 179,747; Feb. 12; Serial No. 170,559; published Nov. 27, 1923.
Caviar. S. Rosenberg. 179,570; Feb. 12; Serial No. 178,362; published Oct. 2, 1923.
Cheese. F. M. Frederiksen. 179,453; Feb. 12; Serial No. 176,735; published Sept. 4, 1923.
Cheese. Gerber & Co. 179,562; Feb. 12; Serial No. 158,389; published Dec. 4, 1923.
Cheese. J. L. Kraft & Bros. Co. 179,451; Feb. 12; Serial No. 177,678; published Nov. 20, 1923.
Cheese. C. Perceval. 179,458; Feb. 12; Serial No. 178,865; published Nov. 20, 1923.
Cheese. Swift and Company. 179,748; Feb. 12; Serial No. 172,188; published Mar. 20, 1923.
Chocolate. Suchard, S. A. 179,696; Feb. 12; Serial No. 184,569; published Nov. 27, 1923.
Chocolate. Suchard, S. A. 179,700; Feb. 12; Serial No. 184,570; published Nov. 27, 1923.
Chocolate coating. Washington Chocolate Co. 179,625; Feb. 12; Serial No. 186,171; published Nov. 27, 1923.
Chocolates. Hershey Chocolate Company. 179,518; Feb. 12; Serial No. 186,185; published Nov. 27, 1923.
Coffee. Fishback Co. 179,537; Feb. 12; Serial No. 166,671; published Dec. 4, 1923.
Coffee. W. B. Law. 179,543; Feb. 12; Serial No. 167,357; published Dec. 4, 1923.
Coffee. Lewis, Hubbard and Company. 179,714; Feb. 12; Serial No. 185,712; published Nov. 20, 1923.
Coffee. Sunbury Wholesale Grocery Company. 179,704; Feb. 12; Serial No. 186,090; published Nov. 27, 1923.

Confection. Battle Creek Food Company. 179,499; Feb. 12; Serial No. 181,239; published Nov. 20, 1923.
Confections, etc., Frozen. Delico Products Company. 179,530; Feb. 12; Serial No. 163,673; published Nov. 27, 1923.
Confectionery. Peek, Frean and Company. 179,445; Feb. 12; Serial No. 168,937; published Dec. 4, 1923.
Corn meal, cereal scratch and chick feed, etc. C. O. Sandefur. 179,582; Feb. 12; Serial No. 180,297; published Nov. 6, 1923.
Cream and ice cream. Supplee-Wills-Jones Milk Company. 179,780; Feb. 12.
Cream, buttermilk, and ice cream. Supplee-Wills-Jones Milk Company. 179,771; Feb. 12.
Egg mash, scratch feed, etc. Missouri Farmers' Association. 179,476; Feb. 12; Serial No. 174,911; published Nov. 20, 1923.
Feed, Horse and mule. Louisville Cereal Mill Co. 179,465; Feb. 12; Serial No. 181,291; published Nov. 20, 1923.
Feed, seed, and wheat flour. J. H. Wilkes & Co. 179,774; Feb. 12.
Feeds and mashes, Stock and poultry. Universal Mills. 179,459–60; Feb. 12; Serial Nos. 180,089–90; published Nov. 20, 1923.
Fish, Smoked, dried, and salt. Charles F. Mattlage & Sons, Inc. 179,590; Feb. 12; Serial No. 158,785; published Aug. 14, 1923.
Flavoring extracts, salad dressing, prepared mustard, etc., Food. H. P. Lau Co. 179,592; Feb. 12; Serial No. 177,390; published Nov. 20, 1923.
Flour, Plain and self-rising wheat. Farmers Milling Co. 179,456; Feb. 12; Serial No. 177,965; published Nov. 20, 1923.
Flour, Wheat. Archbold-Gizer & Co. 179,463; Feb. 12; Serial No. 181,808; published Nov. 20, 1923.
Flour, Wheat. Ballard & Ballard Company. 179,514; Feb. 12; Serial No. 159,337; published Nov. 20, 1923.
Flour, Wheat. King Milling Co. 179,742; Feb. 12; Serial No. 182,755; published Nov. 20, 1923.
Flour, Wheat. Larabee Flour Mills Corporation. 179,766; Feb. 12.
Flour, Wheat. Levenson, Shevelove Co. 179,473; Feb. 12; Serial No. 161,929; published Nov. 20, 1923.
Flour, Wheat. Mennel Milling Company. 179,768; Feb. 12.
Flour, Wheat. Pacific Commercial Company. 179,546; Feb. 12; Serial No. 168,728; published Dec. 4, 1923.
Flour, Wheat. Portland Flour Mills Co. 179,504; Feb. 12; Serial No. 182,179; published Nov. 20, 1923.
Food for cattle, swine, and poultry. Universal Products Sales Company. 179,787; Feb. 12.
Food product, Cereal. Perfection Products Company. 179,455; Feb. 12; Serial No. 177,989; published Nov. 20, 1923.
Fruits and vegetables. Fresh Standard Growers Exchange. 179,548; Feb. 12; Serial No. 169,334; published Nov. 13, 1923.
Fruits, Citrous. Rancho Sespe. 179,702; Feb. 12; Serial No. 184,685; published Dec. 4, 1923.
Fruits for soda-fountain purposes, Preserved crushed. Virginia Dare Company. 179,466; Feb. 12; Serial No. 154,004; published Nov. 20, 1923.
Fruits, Fresh citrous. De Land Citrus Growers Assn. 179,488; Feb. 12; Serial No. 172,863; published Dec. 4, 1923.
Fruits, Fresh citrous. Richardson-Marsh Corporation. 179,773; Feb. 12.
Grapes, Fresh. Starry, Young & Way. 179,713; Feb. 12; Serial No. 185,724; published Nov. 20, 1923.
Grapes, peaches, plums, and citrous fruits, Fresh. Federal Fruit Distributors. 179,641; Feb. 12; Serial No. 182,374; published Dec. 4, 1923.
Gum, Chewing. Morton Gum Co. 179,707; Feb. 12; Serial No. 185,932; published Nov. 27, 1923.
Honey. Foster Honey & Merc. Co. 179,770; Feb. 12.
Honey. Peninsular Honey Producers. 179,745; Feb. 12; Serial No. 171,194; published Dec. 4, 1923.
Ice cream. Beech-Nut Packing Company. 179,567; Feb. 12; Serial No. 159,687; published Nov. 13, 1923.
Ice cream. Franklin Ice Cream Company. 179,674; Feb. 12; Serial No. 183,649; published Nov. 27, 1923.
Mayonnaise and Thousand Island salad dressing. I. H. Ragsdale. 179,448; Feb. 12; Serial No. 176,282; published Nov. 27, 1923.
Meats, butter, eggs, etc. Allied Packers, Incorporated. 179,474; Feb. 12; Serial No. 163,309; published Nov. 20, 1923.
Milk, cream, butter, buttermilk, ice cream, etc. Supplee-Wills-Jones Milk Company. 179,722; Feb. 12.
Milk, Raw. Kenwood Dairy Company. 179,754; Feb. 12; Serial No. 176,082; published Dec. 4, 1923.
Mustard, Prepared. R. T. French Company. 179,786; Feb. 12.
Oats. E. E. Anderson. 179,446; Feb. 12; Serial No. 175,835; published Nov. 20, 1923.
Oats. E. E. Anderson. 179,450; Feb. 12; Serial No. 175,837; published Nov. 20, 1923.
Oil, Olive. F. Barbian y Rimathé. 179,585; Feb. 12; Serial No. 180,320; published Dec. 4, 1923.
Oleomargarine. Troco Nut Butter Co. 179,454; Feb. 12; Serial No. 178,782; published Nov. 20, 1923.
Onions. Dingfelder & Balish. 179,661; Feb. 12; Serial No. 184,604; published Nov. 6, 1923.
Peanuts. Lummis & Co. 179,551–2; Feb. 12; Serial No. 102,565–6; published Oct. 30, 1923.
Pectin. A. Leo. 179,672; Feb. 12; Serial No. 183,073; published Nov. 27, 1923.
Pop corn, Toasted. J. A. Pardoe Co. 179,751; Feb. 12; Serial No. 173,671; published Dec. 4, 1923.
Pork and beans and canned concentrated strained tomatoes, Edward V. Stockham, Inc. 179,471; Feb. 12; Serial No. 158,689; published July 3, 1923.
Potato chips and caramels. White Seal Potato Chip Co. 179,723; Feb. 12; Serial No. 186,452; published Nov. 27, 1923.
Rice. Seaboard Rice Milling Co. 179,468; Feb. 12; Serial No. 156,603; published Nov. 20, 1923.
Salad, canned fruits and vegetables, Fruit. California Co-Operative Canneries. 179,571; Feb. 12; Serial No. 178,222; published Dec. 4, 1923.
Spaghetti, spaghetti sauces, and cheese. P. A. Caporale. 179,501; Feb. 12; Serial No. 181,938; published Nov. 27, 1923.
Spaghetti, spaghetti sauces, and cheese. P. A. Caporale. 179,633; Feb. 12; Serial No. 181,936; published Nov. 27, 1923.
Spaghetti, spaghetti sauces, and cheese. P. A. Caporale. 179,638; Feb. 12; Serial No. 181,937; published Nov. 27, 1923.
Spices, prepared mustard, and prepared mustard cream salad. C. A. Murdock Mfg. Co. 179,602; Feb. 12; Serial No. 180,879; published Dec. 4, 1923.
Vanilla, Imitation. Cabell Corporation of Baltimore City. 179,671; Feb. 12; Serial No. 183,194; published Nov. 20, 1923.

CLASS 50.

Automobiles and parts thereof, Service covers for. Riverside Manufacturing Company. 179,643; Feb. 12; Serial No. 182,611; published Nov. 20, 1923.
Dress forms. Gummed Products Company. 179,505; Feb. 12; Serial No. 182,537; published Nov. 27, 1923.
Waterproof duck and tarpaulins. Fulton Bag & Cotton Mills. 179,434; Feb. 12; Serial No. 184,545; published Nov. 20, 1923.

ALPHABETICAL LIST OF LABELS.

Ammone. For Compound Powdered Ammonia. D. Cameron. 26,893; Feb. 12.
Apricot Sheik. For Soft Beverages of Apricot Flavor. King and Company. 26,918; Feb. 12.
Baker Boy. For Bread. Sanwax Paper Co. 26,940; Feb. 12.
Black-O-Lene. For Enamel Paint for Metals. J. F. Kurfees Paint Company. 26,922; Feb. 12.
Booster. For Florida Fruits. A. M. Klemm & Son. 26,920; Feb. 12.
Boston Terrier. For Citrous Fruits. Gentile Bros. Company. 26,904; Feb. 12.
Bugle. For Oranges and Grapefruit. Auburndale Citrus Growers Association. 26,892; Feb. 12.
Champion. For Apples. Cedaredge Fruit Company. 26,895; Feb. 12.
Checker. For Gasoline. Hercules Grasoline Co. 26,910; Feb. 12.
Chums. For Shoes. Cedar Grove Shoe Mfg. Co. 26,894; Feb. 12.
Class A. For Loganberries. Olympia Canning Company. 26,936; Feb. 12.
Delectas. For Royal Anne Cherries. Olympia Canning Company. 26,934; Feb. 12.
Facial Tissue. For Toilet Paper. Adirondack Tissue Paper Co. 26,891; Feb. 12.
Fairy Gold. For Butter. Frank Hurwits & Sons. 26,914; Feb. 12.
Flint's Old Fashioned Cough Syrup. For Cartons Containing Bottles of Cough Sirup. Flint Drug Company. 26,899; Feb. 12.
Florida Arms. For Grapefruit and Oranges. Gentile Bros. Company. 26,905; Feb. 12.
Full Value. For Pears. Olympia Canning Company. 26,937; Feb. 12.
Gayety Real Human Hair Net. For Hair Nets. S. Glemby's Sons Co. 26,908; Feb. 12.
Gentile Special. For Citrous Fruits. Gentile Bros. Company. 26,906; Feb. 12.
Giant. For Gasoline. Hercules Gasoline Co. 26,911; Feb. 12.
Ginja-Mel. For Nonalcoholic Beverages. Florida Products Company. 26,900; Feb. 12.
Granite. For Peaches. Lucido Brothers Grocery Company. 26,924; Feb. 12.
Holsum. For Pears. Olympia Canning Company. 26,933; Feb. 12.

Indian Princess. For Tomatoes. B. F. Julian. 26,916; Feb. 12.
Leader. For Citrous Fruits. G. Maxcy. 26,926; Feb. 12.
Meadow Lake. For Canned String Beans. Klute-Fleming Packing Co. 26,921; Feb. 12.
Musto's Three Day Pile Remedy. For a Medicinal Preparation for Piles. D. Musto. 26,929; Feb. 12.
Nu-Floor Makes old Hardwood Floors look like new. For Nu-Floor Preparation. G. E. Marshall. 26,925; Feb. 12.
Old Dutch Rusk. For Rusks. H. Diederich. 26,897; Feb. 12.
Old Reliable Coffee. For Coffee. Dayton Spice Mills Company. 26,906; Feb. 12.
Olympia. For Apples. Olympia Canning Company. 26,935; Feb. 12.
Ozark Chief. For Tomatoes. B. F. Julian. 26,917; Feb. 12.
Paramount. For Loganberries. Olympia Canning Company. 26,932; Feb. 12.
Playmore. For Player-Roll Boxes for Player Pianos. I. Lawson. 26,923; Feb. 12.
Port Sheik. For Soft Beverages of Grape Flavor. King and Company. 26,919; Feb. 12.
Queen. For Oranges and Grapefruit. Gentile Bros. Company. 26,907; Feb. 12.
Rainbow. For Citrous Fruits. Southern Citrus Packing Company. 26,941; Feb. 12.
Rex. For Citrous Fruits. Gentile Bros. Company. 26,903; Feb. 12.
Riesel Ticking. For Ticking (Feather Inlets). S. Riesel & Son. 26,939; Feb. 12.
Roselle Juice—The Herbaceous Juice with a Fruit Flavor. For Pure Juice of Roselle to be Used in Making a Nonalcoholic Drink, and Jelly Formed from Said Juice. Mrs. Nye's Roselle Products Company. 26,931; Feb. 12.
South Sea. For Cocoa. Fortune Products Company. 26,901; Feb. 12.
Speedy Spar. For Varnish. R. F. Johnston Paint Company. 26,915; Feb. 12.
Squaw Vine. For a Medicinal Preparation—Namely, a Cordial for Women. Newbro Manufacturing Company. 26,930; Feb. 12.
Starlight. For Wrapper for Bread. Menasha Printing and Carton Company. 26,928; Feb. 12.
Super X. For Oranges and Grapefruit. Gentile Bros. Company. 26,902; Feb. 12.
The Hudson Favorite. For Sprayers. Hudson Manufacturing Company. 26,913; Feb. 12.
Topmost. For Citrous Fruits. G. Maxcy. 26,927; Feb. 12.
Torpedo. For Gasoline. Hercules Gasoline Co. 26,912; Feb. 12.
Wellworth. For Plums. Olympia Canning Company. 26,938; Feb. 12.
White Rose. For Dry Goods—Namely, Cotton and Linen Cloth. Farley Harvey Company. 26,898; Feb. 12.
Winsome Silk Net. For Hair Nets. S. Glemby's Sons Co. 26,909; Feb. 12.

ALPHABETICAL LIST OF PRINTS.

Arrow Formal Day Shirts No matter what the nature (etc). For Arrow Shirts. Cluett, Peabody & Co. 7,175; Feb. 12.
Bluebirds For Happiness Liver Pills. For Liver Pills. Bluebird Pharmacal Co. 7,178; Feb. 12.
Boyshform Brassieres. For Brassières. Boyshform Brassiere Co. 7,174; Feb. 12.
Fruhauf Authentic Hand Tailored Clothes. For Clothing. Fruhauf Bros. & Co. 7,176; Feb. 12.
It's Pure, That's Sure. For Dairy Products. J. E. Ward. 7,181; Feb. 12.
Les Poudres De Coty. For Powders. Coty, Inc. 7,176; Feb. 12.
Mother Goose Bank. For Paper Banks. Empire Paper Products Corporation. 7,177; Feb. 12.
$1000.00 Guaranteed Ant-Bane. For Insecticide for Ridding Premises of Ants. B. Heller & Company. 7,179; Feb. 12.
Willson Goggles Sun-Dust-Wind-Glare. For Goggles. Willson Goggles, Inc. 7,182; Feb. 12.
Yes, we have no Bananas But We Do Know How to Print. For Advertising Specialties. A. W. Lewis. 7,180; Feb. 12.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Frank C. Carland Coal Company. 184,935; Feb. 12.
Coal. Great-West Coal & Lumber Company. 186,053; Feb. 12.
Coal. Knox Consolidated Coal Company. 188,911; Feb. 12.
Coke. Koppers Company. 188,421; Feb. 12.
Oyster shell for poultry, hogs, and cattle. Oyster Shell Products Corporation. 182,988; Feb. 12.
Oyster shells for poultry. Gulf City Manufacturing Co. 183,146; Feb. 12.
Pyroxylin plastic product and compositions formed therefrom. Viscoloid Company. 188,394; Feb. 12.
Seeds, Alfalfa and clover. Western Seed Growers Marketing Co. 188,510; Feb. 12.
Skins, Dyed rabbit. M. Schechter & Bro. 179,116; Feb. 12.

CLASS 2.

Cartons, boxes, and like containers, Folded or foldable. Vickers Limited. 189,957; Feb. 12.
Nitrocellulose products. Hygienic Tube Company. 176,549; Feb. 12.

CLASS 3.

Bags, cases, and suitcases, Traveling. Deitsch Brothers. 188,990; Feb. 12.
Wallets. Western Lithograph Company. 188,722; Feb. 12.

CLASS 5.

Cement, tire tape, shellac, and soldering paste. Iron Research Club, Inc. 188,430–1; Feb. 12.

CLASS 6.

Bacillus acidophil-aerogenes, etc. Richards Chemical Co. 181,350; Feb. 12.
Brilliantine. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,492; Feb. 12.
Clay, vanishing cream, depilatory, etc., Beauty. F. W. Scarff. 182,185; Feb. 12.
Compound for cleaning drains and drainpipes. Schalk Chemical Company. 188,712; Feb. 12.
Corns. H. Popplitz. 179,483; Feb. 12.
Cream, Face. Lang & Peets. 187,008; Feb. 12.
Cream, Face. T. J. McCarthy. 176,490; Feb. 12.
Creams, perfumes, sachets, toilet waters, etc., Face and massage. D. Leslie. 188,913; Feb. 12.
Depilatory. L. J. Stern. 189,922; Feb. 12.
Dietetical biscuit. Chemische Fabrik vormals Sandoz. 189,299; Feb. 12.
Egg-preserving compounds. Newling & Son. 172,846; Feb. 12.
Hair dressing. Big 4 Chemical Products Company. 187,284; Feb. 12.
Hair dressing. Misner Manufacturing Co. 179,878; Feb. 12.
Hair dye. F. R. Perkins. 189,729; Feb. 12.
Hair pomade. A. M. Weber. 173,020; Feb. 12.
Hair tonic and dressing, cold cream, face powder, etc. B. Klein. 187,220; Feb. 12.
Hair tonic, dandruff remover, cough sirup, laxative sirup, etc. A. Allison. 189,068; Feb. 12.
Hydrocarbons, Liquid. Energine Refining and Manufacturing Company. 174,075; Feb. 12.
Insecticides and fungicides. General Chemical Company. 187,254; Feb. 12.
Insecticides, disinfectants, and deodorants. Niagara Alkali Company. 188,768; Feb. 12.
Lotion, Rubbing. Holaico Company. 173,829; Feb. 12.
Medicinal oil. J. J. Norton. 189,513; Feb. 12.
Medicinal preparation. Perry & Nelson. 185,763; Feb. 12.
Medicine for the nerves. Tetone Manufacturing Company. 182,885; Feb. 12.
Oil for pain in side, appendix, liver, and veins, etc. A. B. Khoury. 178,924; Feb. 12.
Ointment. Cowlts & Company. 187,510; Feb. 12.
Ointment. Davis & Lawrence Co. 181,941; Feb. 12.
Perfume, toilet water, face powder, etc. Coty, Inc. 180,105; Feb. 12.
Perfumery. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,494; Feb. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Perfumery. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,496; Feb. 12.
Perfumery. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,498; Feb. 12.
Perfumery. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 184,795; Feb. 12.
Perfumery. Societe Guerlain. 188,445; Feb. 12.
Perfumes, toilet waters, etc. Remiller Co. 172,354–5; Feb. 12.
Pharmaceutical preparation. Society of Chemical Industry in Basle. 185,539; Feb. 12.
Plasters and a liniment, Liquid for use in the preparation of. M. Ubs. 189,923; Feb. 12.
Powder, creams, skin bleach, etc., Face. First Lady Company. 186,702; Feb. 12.
Powder, hand lotion, vanishing and cold creams, Face. W. J. Dick. 182,404; Feb. 12.
Powder perfume, and rouge, Face. Armand Company. 188,635; Feb. 12.
Powders and creams, perfumes, toilet waters, etc., Face. J. Hilgers. 189,782; Feb. 12.
Powders, emulsion, etc., Mineral. Moorite Products Company. 168,273; Feb. 12.
Preparation for darkening hair, etc. J. Stewart. 184,528; Feb. 12.
Preparation for the treatment of gout, lumbago, etc. Midy Laboratories, Inc. 187,633; Feb. 12.
Prophylactic and mouth wash. L. C. Stephan. 187,026; Feb. 12.
Prophylactics. O. E. Moore, jr. 187,874; Feb. 12.
Remedies for rheumatism, neuralgia, earache, etc. W. D. White & Co. 188,511; Feb. 12.
Remedies, Herb. R. I. Bigley. 188,882; Feb. 12.
Remedy for corns. Star Laboratories, Inc. 187,025; Feb. 12.
Remedy for poultry diseases and for the elimination of vermin. South Mountain Hennery Company. 188,599; Feb. 12.
Remedy for the treatment of blackhead, droopiness, etc., Poultry. L. A. Wright & Son. 175,118; Feb. 12.
Salve or ointment, Rubefacient or counterirritant. A. W. Bender, sr. 189,839; Feb. 12.
Sirup for treatment of chronic diseases. Newton Laboratories, Inc. 185,718; Feb. 12.
Tablets for the prevention of colds, grippe, pneumonia, etc. E. F. Davis. 189,068; Feb. 12.
Tablets, Laxative. M. Richarts. 185,990; Feb. 12.
Tonic. Kelp-O-Dine Company. 187,004; Feb. 12.
Tonic, Rheumatic and system. W. C. Layden. 175,931; Feb. 12.

CLASS 8.

Ash receivers and trays. E. Bowerman. 188,704; Feb. 12.
Cigarette, cigar, and match cases, humidors, etc. Wightman and Hough Company. 157,868; Feb. 12.

CLASS 12.

Stucco, Exterior. Texico Stucco Co. 185,881; Feb. 12.
Wall and plaster board and plaster. Gypsolite Company. 189,049; Feb. 12.

CLASS 13.

Bathtubs, flush tanks, sinks, etc. Conemaugh Iron Works. 184,383; Feb. 12.
Belt fasteners. Flexible Steel Lacing Co. 181,561; Feb. 12.
Curtain fixtures. James H. Boye Manufacturing Co. 189,386; Feb. 12.
Fence and gates, chain link industrial fence, etc., Lawn. Cyclone Fence Company. 188,666; Feb. 12.
Hangers for pictures and like articles and devices for fastening pictures, etc., to walls. H. B. Taylor. 186,204; Feb. 12.
Pipe, bull plugs, swage nipples, and casings, Rotary drill. Pittsburgh Steel Products Co. 162,264; Feb. 12.
Wedge blocks, Wooden. S. A. Scott. 173,216; Feb. 12.

CLASS 14.

Castings, Babbitt metal, bronze ingots, etc., Brass and bronze. William Cramp & Sons Ship & Engine Building Co. 185,958; Feb. 12.
Metals, Raw nonferrous. National Smelting & Refining Corp. 188,321; Feb. 12.

CLASS 15.

Benzine, motor spirit, gasoline, kerosene, lubricating oils and greases. Petroleum Products Co. 190,126; Feb. 12.
Candles. Kay and Ellinger, Inc. 186,911–12; Feb. 12.
Gasoline, motor oils, distillate, kerosene, fuel and stove oils. Hercules Gasoline Co. 189,778; Feb. 12.
Lubricant or grease. Liberty Oil Company. 188,247; Feb. 12.
Oils and cup greases, Cylinder. W. P. Bagby. 187,600; Feb. 12.
Petroleum products. Oil Creek Refining Company. 181,609; Feb. 12.

CLASS 16.

Cleaning and polishing preparation, Combined. S. P. Story. 188,645; Feb. 12.
Paint. L. Miller. 188,921; Feb. 12.
Paint and varnish remover. Phelan-Faust Paint Manufacturing Company. 190,177; Feb. 12.
Paint enamel. H. Slatkin. 179,829; Feb. 12.
Paint for metals, Enamel. J. F. Kurfees Paint Company. 190,106; Feb. 12.
Paint, Metallic enamel. J. F. Kurfees Paint Company. 190,105; Feb. 12.
Paint, Prepared liquid. J. F. Kurfees Paint Company. 190,102–3; Feb. 12.
Paint, varnishes, paint enamels, and stains. G. A. Combs. 184,325; Feb. 12.
Paints. Paraffine Companies. 190,125; Feb. 12.
Paints and enamels. Debevoise Company. 189,844; Feb. 12.
Paints, etc., Bituminous. National Bituminous Enamel and Paint Corporation. 187,834; Feb. 12.
Pigments. F. G. Lasher Color Co. 172,542; Feb. 12.
Polishing compound. J. Shanks. 188,221; Feb. 12.
Sizes, Wall. G. Whigelt. 186,489; Feb. 12.
Varnish, enamel, enamel underbody, and cement coating, Floor. J. C. Licht Company. 187,321; Feb. 12.

CLASS 17.

Cigars. R. G. Sullivan Estate. 181,320; Feb. 12.
Cigars. R. G. Sullivan Estate. 181,322; Feb. 12.
Tobacco. Steacy-Shaeffer Tobacco Co. 181,224; Feb. 12.

CLASS 19.

Airplanes and parts and accessories thereto. Boeing Airplane Company. 154,481; Feb. 12.
Automobile curtains. W. C. Loud. 188,316; Feb. 12.
Automobile fender braces. K. & B. Fender Brace Company. 188,246; Feb. 12.
Automobile mirrors. Britton Auto Equipment Co. 189,031–2;
Automobiles and constructive parts thereof. Star Motors Incorporated. 188,280; Feb. 12.
Bumpers. C. G. Spring Company. 187,506; Feb. 12.
Cab bodies, Commercial. McCrea Mfg. Co. 173,573; Feb. 12.
Propellers. A. Grilli. 158,308; Feb. 12.
Vehicle exhaust heater. Indianapolis Pump and Tube Co. 188,909; Feb. 12.
Vehicles. Mototeria Company. 186,604; Feb. 12.

CLASS 21.

Batteries, Dry. De Lancey, Felch & Company. 182,703; Feb. 12.
Batteries, Storage. Am-Plus Storage Battery Company. 184,928; Feb. 12.
Electric-current rectifiers. Leich Electric Company. 175,252; Feb. 12.
Electrical wires, Flexible armored cables, cords, etc., for. Tubular Woven Fabric Company. 188,284; Feb. 12.
Insulated electrical conductors, and especially asbestos-covered conductors. General Electric Company. 172,875; Feb. 12.
Lighting-fixture units and parts thereof. American Brass & Electric Supply Company. 184,487; Feb. 12.
Loud speakers, and radio supplies and wireless and electrical equipment. Perfectone Radio Corporation. 186,609; Feb. 12.
Motors, generators, rotary converters, etc., Electric. Louis Allis Company. 172,854; Feb. 12.
Radio loud speakers. Stentorphone Company. 173,684; Feb. 12.
Radio loud speakers and electrical announcing and calling devices. J. S. Timmons. 175,822; Feb. 12.
Radio receiving sets, etc. Mercury Radio Products Company. 169,912; Feb. 12.
Switches, Electrical or electrically-operated. Tork Company. 178,940; Feb. 12.
Wheels, Electric trolley. L. E. Harmon. 188,048; Feb. 12.

CLASS 22.

Balls and rubber bladders therefor, Game. Pioneer Rubber Company. 187,958; Feb. 12.
Fishing reels and rods, artificial fishing baits, etc. South Bend Bait Co. 172,908; Feb. 12.
Games, toys, and sporting goods. C. W. McClure. 182,163; Feb. 12.
Ornaments and tinsel light reflectors, Christmas-tree. George Franke Sons Company. 189,244; Feb. 12.
Ornaments, Christmas-tree. George Franke Sons Company. 189,246; Feb. 12.

CLASS 23.

Concrete machinery, etc. Ideal Concrete Machinery Company. 170,528; Feb. 12.
Concrete-marker molds. Glatz Bros. 157,664; Feb. 12.
Engines, Mufflers for internal-combustion. Gray-Hawley Mfg. Co. 176,965; Feb. 12.
Insecticide-applying devices. E. M. Howard. 186,842; Feb. 12.
Tire pumps and piston-ring expanders. Trexler Company of America. 178,781; Feb. 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 26.

Automobile radiators and pressure tanks, Pressure-indicating signal for. N. F. Kempel. 182,247; Feb. 12.
Binoculars, opera glasses, and field glasses. F. C. Mensing. 190,001–3; Feb. 12.
Scales, Weighing. Hanson Brothers Scale Company. 175,864; Feb. 12.
Screens, light transmitting and reflecting devices, etc., Light and color. Photo Improvements Inc. 188,862; Feb. 12.

CLASS 27.

Watches. American Watch Import Company. 181,161; Feb. 12.
Watches. J. Flashner. 188,474; Feb. 12.
Watches and parts of watches. Fabrique d'Horlogerie Recta S. A. 184,442; Feb. 12.
Watches, watch movements, and parts thereof. Optima Societe Anonyme. 187,383; Feb. 12.
Watches, watchcases, watch movements, and parts. R. Gsell & Co. 187,943; Feb. 12.

CLASS 28.

Jewelry. Cohn & Rosenberger, Inc. 185,812–3; Feb. 12.
Jewelry, tableware, etc., Gold and silver. Lansburgh & Bro., Inc. 173,895; Feb. 12.
Key chains, buckles, collar buttons and fasteners, eyeglass holders, etc. Forstner Chain Corporation. 187,305; Feb. 12.
Knives, forks, and spoons, Infants'. P. A. Brouillette. 184,958; Feb. 12.
Lingerie clasps. Wilson Fastener Company. 188,649; Feb. 12.
Mesh bags. Whiting & Davis Company. 186,490; Feb. 12.
Silver flatware and hollow ware, Sterling. International Silver Co. 187,678; Feb. 12.

CLASS 30.

China sets and vases, picture plaques, flowerpots, and serving trays. Fred A. Wish, Incorporated. 188,981; Feb. 12.
Crockery, earthenware, and porcelain. Porzellanfabrik Ph. Rosenthal & Co. A. G. 178,190; Feb. 12.

CLASS 34.

Boilers, Steel. General Boilers Company. 170,576; Feb. 12.
Furnaces. A. Anderson. 188,735; Feb. 12.
Furnaces, parts and appliances. Stephens Engineering Company. 187,204; Feb. 12.
Heaters, Automatic gas. Triangle Water Heater Co. 173,865; Feb. 12.
Radiator covers. Art Metal Radiator Cover Co. 187,280; Feb. 12.

CLASS 35.

Tires and tubes, Automobile. Union Rubber Company. 188,979; Feb. 12.

CLASS 36.

Horns for automobiles and motor cycles. Standard Metal Manufacturing Company. 136,096; Feb. 12.
Phonographs. Peters & Herron Co. 149,147; Feb. 12.
Pianos and player pianos. Bush & Lane Piano Company. 185,779; Feb. 12.
Pianos, organs, phonographs, and parts thereof. Kaufmann Department Stores, Inc. 164,440; Feb. 12.

CLASS 37.

Building and loan association forms, blank books, etc. O. Keclik. 173,089; Feb. 12.
Crayons, crayon holders, pencils, penholders, pens, etc. Societe Anonyme "Crayons Conte." 181,650–1; Feb. 12.
Memorandum sheets. L. A. Watkins. 188,721; Feb. 12.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 189,613–4; Feb. 12.
Paper, paper towels and napkins, Toilet. Wortendyke Manufacturing Company. 188,356; Feb. 12.
Paper, Waxed wrapping. Wax-Wrap Paper Company of Texas. 189,022; Feb. 12.
Paper window-shade material. Springfield Glazed Paper Company. 188,386; Feb. 12.
Paper, Wrapping. Yellow Pine Paper Mill Company. 188,982; Feb. 12.

CLASS 39.

Arm bands, bloomers, belts, boudoir caps, etc. Weisman & Sons Company. 181,469; Feb. 12.
Bathing caps and water guards for same. Lew-Mar Products Company. 182,351; Feb. 12.
Bloomers. E. H. Horwood & Co. 171,995; Feb. 12.
Boots and shoes. Green Shoe Manufacturing Company. 185,292; Feb. 12.
Clothing for women and girls. B. Klappert. 188,594; Feb. 12.
Corsets, brassières, and abdominal belts. J. M. Bodenstek. 182,230; Feb. 12.
Dresses and suits for boys and girls. Milton G. Cooper Dry Goods Co. 186,107; Feb. 12.
Gloves, Men's. Illinois Glove Co. 182,972; Feb. 12.
Hats, Children's. Little Queen Hat Company. 184,188; Feb. 12.
Hosiery and underwear. Atkins Company. 183,463; Feb. 12.
Overalls, jackets, pants, coats, etc. Bender Company. 187,603; Feb. 12.
Shirts, Dress. A. Fisher Shirt Co. 175,984; Feb. 12.
Shoes. Smaltz-Goodwin Company. 181,622; Feb. 12.
Shoes, Leather. D. W. Brill. 171,525; Feb. 12.
Shoes, Leather. Doerman & Herbst Shoe Mfg. Co. 185,962; Feb. 12.
Suits, Union. E. H. Horwood & Co. 171,993; Feb. 12.
Trousers. Randel & Grusky. 179,958–9; Feb. 12.

CLASS 42.

Bedspreads, Cotton. Italian Bed Spread Co. 189,623; Feb. 12.
Cotton goods. Farish Company. 188,299; Feb. 12.
Cotton piece goods. Smith-McCord-Townsend Dry Goods Co. 186,394; Feb. 12.
Cotton piece goods. Terry Textile Corporation. 182,551; Feb. 12.
Cottons, cambrics, and nainsooks in the piece, Bleached. Quinn Marshall Company. 187,125; Feb. 12.
Fabrics, Worsted and woolen textile. Holden-Leonard Company. 186,368; Feb. 12.
Fabrics, Worsted and woolen textile. Holden-Leonard Company. 186,373; Feb. 12.
Hair nets. Rieser Company. 189,690; Feb. 12.
Hair nets, Human-. Beatyette Trading Corp. 186,409; Feb. 12.
Knitted and woven fabrics of silk in the piece. M. H. Levine. 187,259; Feb. 12.
Silk and cotton piece goods. Clarence Whitman & Son, Inc. 158,548; Feb. 12.
Textile fabrics. S. Liebovitz & Sons, Inc. 189,681; Feb. 12.
Wool and worsted piece goods. Federal Woolen Co. 184,238; Feb. 12.
Woolen, cotton, etc. piece goods. Atlantic Mills. 188,086; Feb. 12.
Woolen piece goods. Dormeuil Freres. 187,513; Feb. 12.
Woolen piece goods. Morris W. Haft & Bros. Inc. 189,126; Feb. 12.
Worsted suitings in the piece. Samuel Hird & Sons, Inc. 187,624; Feb. 12.

CLASS 44.

Alloy for inlay models, Amalgam. J. M. Ney Company. 189,686; Feb. 12.
Sanitary napkins, aprons, and step-ins. O. Eisenkramer. 188,749; Feb. 12.

CLASS 45.

Apple juice. Conservenfabrik Rorschach A. G. 187,044; Feb. 12.
Beverage flavors and beverages made therefrom, Maltless-. Citrus Products Company. 189,389; Feb. 12.
Beverages. J. B. White. 188,942; Feb. 12.
Beverages sold as soft drinks. Schoneberger & Noble, Inc. 189,587; Feb. 12.
Beverages sold as soft drinks. Southwestern Coca-Cola Bottling Co. 189,591; Feb. 12.
Flavoring base for beverages, Maltless. W. E. Brobst, jr. 181,511; Feb. 12.
Grape juice, Hawaiian. C. E. Van Landingham. 189,873; Feb. 12.
Water, Table. California Bottling Association. 188,948; Feb. 12.

CLASS 46.

Berries, Fresh. North Pacific Co-Operative Berry Growers. 186,148; Feb. 12.
Blueberries, Fresh and canned. Washington County Company. 189,081; Feb. 12.
Bread. Advance Milling Co. 186,097; Feb. 12.
Bread. Petersen & Pegau Baking Co. 185,986; Feb. 12.
Bread, Loaf. Ward Baking Company. 159,230; Feb. 12.
Bread, rolls, and pastry. Stude Baking Company. 182,940; Feb. 12.
Butter. W. H. Hubbard. 168,644; Feb. 12.
Cakes, biscuits, crackers. American Biscuit Company. 159,485; Feb. 12.
Candies. J. N. Collins Company. 188,742; Feb. 12.
Candies. Old Colony Candy Company. 186,606; Feb. 12.
Candy. Cassidy Candy Company. 188,889; Feb. 12.
Candy. J. M. Garver. 188,301; Feb. 12.
Candy. Shoot Chocolate Co. 188,500; Feb. 12.
Candy. G. H. Thompson, Inc. 188,719; Feb. 12.
Candy. Touraine Company. 179,496; Feb. 12.
Candy. Weinstein & Smith. 188,035; Feb. 12.
Canned Chili meat. Gebhardt Chili Powder Co. 154,558; Feb. 12.
Canned fish. Universal Importing Company. 179,245; Feb. 12.
Canned fruit. Danville Wholesale Grocery Co. 173,408; Feb. 12.
Canned fruits, vegetables, and dried beef, spices, etc. United Wholesale Grocery Company. 185,036; Feb. 12.
Canned goods, pickles, olives, etc. Oakford & Fahnestock. 169,921; Feb. 12.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned peas, beans, and kraut. Fox Valley Canning Company. 189,104; Feb. 12.
Cheese. M. Fitzgerald. 180,532; Feb. 12.
Coffee. Coffee Products Corporation. 187,563; Feb. 12.
Coffee. F. Cotera. 168,209; Feb. 12.
Coffee. H-A-S Coffee Company. 188,551; Feb. 12.
Coffee. Maury-Cole Company. 187,830; Feb. 12.
Coffee. Pioneer Coffee Company. 160,024; Feb. 12.
Coffee and peanut butter. Maury-Cole Company. 187,828; Feb. 12.
Coffee, olives, canned tomatoes, fruit preserves, codfish, etc. Davis-Mason-England Co. 182,569; Feb. 12.
Coffee, tea, peanut butter, etc. Portage Wholesale Grocery Company. 186,669; Feb. 12.
Confections. O. Martens. 167,308; Feb. 12.
Corn chop, soft-wheat bran and mill-run, etc., Yellow-. Holland-O'Neal Milling Co. 186,905; Feb. 12.
Cracker products and cookies. W. R. Montague Company. 170,075; Feb. 12.
Dairy products. W. R. Kenan, jr. 184,614; Feb. 12.
Eggs. M. Augenbick & Bro. 186,581; Feb. 12.
Eggs and dressed poultry. Waverly Produce Company. 188,033; Feb. 12.
Extracts, Food-flavoring. Consumers Distributing Co. 185,568; Feb. 21.
Feed, Cattle. E. E. Anderson. 184,375; Feb. 12.
Feed, Chicken and poultry. Taylor Bros. 179,439; Feb. 12.
Flavoring for bakers' and household use. Albers Company. 183,789; Feb. 12.
Flavorings for food. Frederick Stearns & Company. 187,648; Feb. 12.
Flour, Corn. Corn Products Refining Company. 183,139; Feb. 12.
Flour, corn meal, laying mash, scratch feed, etc. W. Smith. 179,336; Feb. 12.
Flour, Wheat. Hebron Roller Mills. 189,158; Feb. 12.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,029; Feb. 12.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,289; Feb. 12.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,292; Feb. 12.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,479; Feb. 12.
Flour, Wheat. J. C. Lysle Milling Company. 173,097; Feb. 12.
Flour, Wheat. Seattle Flour Mills. 170,998; Feb. 12.
Food beverage and sirup for making same. "400" Products Company. 170,060; Feb. 12.
Food products. Bailiño Hermanos y Compañia. 176,814; Feb. 12.
Fruits, Dried. C. C. Hall, Inc. 173,420; Feb. 12.
Fruits, Fresh citrous. Lindsay District Orange Co. 189,366; Feb. 12.
Fudge. J. G. Patton. 169,052; Feb. 12.
Grapes, Fresh. M. Ruano. 186,672; Feb. 12.
Ice cream. Abbott's Alderney Dairies, Inc. 182,694; Feb. 12.
Ice or sherbet, Flavored. L. J. Lea. 184,792; Feb. 12.
Macaroni and spaghetti. Federico Macaroni Mfg. Co., Inc. 187,101; Feb. 12.
Malt extract. Pabst Corporation. 181,213; Feb. 12.
Milk. Rio Grande Valley Dairy Association. 188,640; Feb. 12.
Milk, buttermilk, cream, cream cottage cheese. Rio Grande Dairy Association. 188,641; Feb. 12.
Nuts, Pistachio. Zaloom Brothers Company. 181,802–3; Feb. 12.
Oil, Olive. M. L. Belden. 153,495; Feb. 12.
Oils, Edible. Standard Oil Company of New York. 188,388; Feb. 12.
Peanuts, peanut butter, pop-corn confection, and dates, Salted. Wm. T. Mullikin Co. 176,566; Feb. 12.
Rice. Connell Rice Company. 183,137; Feb. 12.
Sausage, ham, and bacon. Northern Packing Company. 182,668; Feb. 12.
Seeds, Bird. F. S. Radway. 186,071; Feb. 12.
Tea and corn meal. H. G. Hill Company. 166,688; Feb. 12.
Vinegar. Osaka Zosu Kabushiki Kaisha. 184,562; Feb. 12.
Vinegar, canned goods, cereals, etc. B. A. Railton Company. 169,548; Feb. 12.

CLASS 50.

Bottle and jar closures or caps. Phoenix Hermetic Company. 188,610; Feb. 12.
Leather and cutting and plaiting implements. L. B. Griswold. 188,365; Feb. 12.
Mats, Table. F. F. Dell. 181,515; Feb. 12.
Vehicles. Prevention-of-theft device for. F. Hood. 184,667; Feb. 12.
Waterproof and water repellent knitted, etc. fabrics. Fred S. Bennett, Inc. 187,981–3; Feb. 12.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abreo, Albert F. (See Robinson, E., and Abreo.)
Acheson, Thomas F. (See Parker, Fred J., assignor.)
Adams, Raleigh B., Newton, assignor to Stowe & Woodward Company, Newton Upper Falls, Mass. Device for testing hardness. 1,483,565; Feb. 12.
Add-Index Corporation. (See Broman, Charles E., assignor.)
Adjusta Company, The. (See Hirsh, Fred, assignor.)
Aeromarine Plane & Motor Company. (See Chilton, Roland, assignor.)
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Motor-controlling device. 1,483,064; Feb. 12.
Aktiebolaget Cellulosa. (See Rinman, E. L., and Magnuson, assignors.)
Aktiebolaget Karlstads Mekaniska Verkstad. (See Wagner, Rudolf E., assignor.)
Aktiebolaget Separator. (See Julin, A. T., and Fröding, assignors.)
Aktiebolaget Svenska Kullagerfabriken. (See Svensson, Victor A., assignor.)
Alcorn, Joseph, Coatesville, Ind. Propeller for boats. 1,483,762; Feb. 12.
Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,483,538; Feb. 12.
Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,483,539; Feb. 12.
Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,483,540; Feb. 12.
Allee, David A., Schenectady, N. Y., assignor to General Electric Company. Pipe connection. 1,483,499; Feb. 12.
Allen, Edward, Chicago, Ill. Dyeing machine. 1,483,263; Feb. 12.
Allen Iron & Steel Company, The. (See Moulton, Albion, assignor.)
Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Furnace lining. 1,483,706; Feb. 12.
Altwegg, Jean, Lyon, assignor to Societe Chimique des Usines du Rhone, Paris, France. Production of solutions of volatile oils. 1,483,152; Feb. 12.
American Cotton Oil Company, The. (See Boyce, James, assignor.)
American Engineering Company. (See Alpern, Maxwell, assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Gasaccumulator Company. (See Medén, Elof H., assignor.)
American Laundry Machinery Company, The. (See McCarthy, James P., assignor.)
American Narrow Fabric Company. (See Haselton, Carl J., assignor.)
American Optical Company. (See Hill, Harry W., assignor.)
American Optical Company. (See Propson, Carl F., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
American Telephone and Telegraph Company. (See Toomey, J. F., and Crisson, assignors.)
Andersen, Lauritz W., Waterbury, Conn. Shade holder. 1,483,264; Feb. 12.
Anderson, Andrew R., deceased, North Arlington, N. J.; A. R. Anderson, executor. Shoe-tree. 1,483,065; Feb. 12.
Anderson, Arthur R., executor. (See Anderson, Andrew R., assignor.)
Anderson, Charles H., Walworth, Wis. Glare eliminator. 1,483,763; Feb. 12.
Anderson, Harvey S., Germantown, Ohio. Adjusting device for crushers. 1,483,566; Feb. 12.
Anderson, Oscar T., assignor to Chamberlain Machine Works, Waterloo, Iowa. Wringer. 1,483,265; Feb. 12.
Anderson, Raymond M., assignor to G. M. Holley, Detroit, Mich. Carburetor. 1,483,323; Feb. 12.
Anderson, William E., Jamestown, N. Y. Paring knife. 1,483,063; Feb. 12.
Angus, Arthur R., Minehead, England. Railway safe-running device. 1,483,066; Feb. 12.
Anjow, Koji, Tokyo-fu, assignor to Mitsubishi Kogyo Kabushiki Kaisha, Tokyo, Japan. Producing tungsten oxide from tungsten ores. 1,483,567; Feb. 12.
Archambault, Louis J., Chicago, Ill. Apparatus for clarifying liquids. 1,483,266; Feb. 12.
Armstrong, Samuel E., Washington, D. C. Spring attachment for accelerator pedals. 1,483,625; Feb. 12.
Arnold, Frank K. (See Sevigne, H. A., and Arnold.)
Ashtabula Bow Socket Company, The. (See Cloyes, James H., assignor.)
Asplund, Axel A., Auburn, N. Y. Cam-lever timing block with connections. 1,483,267; Feb. 12.
Atherton, Stanley E., Cleveland, Ohio. Grab bucket. 1,483,707; Feb. 12.
Atlas Powder Company. (See Hill, Roy L., assignor.)
Automatic Electric Company. (See Wicks, John, assignor.)
Automatic Electrical Machine Co. (See Lundgren, Harry G., assignor.)
Automatic Telephone Manufacturing Company Limited. (See Hudd, Alfred E., assignor.)
Bailey, Banks & Biddle Company. (See Bailey, Charles W., assignor.)
Bailey, Charles W., assignor to The Bailey, Banks & Biddle Company, Philadelphia, Pa. Ring. Des. 63,925; Feb. 12.
Baker, Chester A., Omaha, Nebr. Valve mechanism. 1,483,158; Feb. 12.
Baldauf, John F., Casper, Wyo. Grease gun. 1,483,268; Feb. 12.
Balding, Harry. (See Harrison, John W., assignor.)
Baldwin, Harry J., Colorado Springs, Colo. Automatic display apparatus. 1,483,324; Feb. 12.
Bales, Ivan. (See Pearce, O., and Bales.)
Barker, William G., and F. O. Read, London, England. Advertising apparatus. 1,483,269; Feb. 12.
Barnes, Clarence, Stillwater, Okla. Condenser for automobile radiators. 1,483,764; Feb. 12.
Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Lockout switch. 1,483,407; Feb. 12.
Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,483,500; Feb. 12.
Barrile, Salvador, Medford, Mass. Convertible sofa. 1,483,501; Feb. 12.
Barrows, Frank E., Upper Montclair, N. J. Combined sulphidation and flotation of ores, etc. 1,483,270; Feb. 12.
Barth, Champ J., and J. E. Pierce, Minneapolis, Minn. Ring. Des. 63,926; Feb. 12.
Baruch, Samuel, New York, N. Y. Spring oiler. 1,483,208; Feb. 12.
Basart, Antonius H. M., The Hague, Netherlands. Door fastening for safes and the like. 1,483,541; Feb. 12.
Basseick Manufacturing Company, The. (See Crevelling, John L., assignor.)
Bastian, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Timing device. 1,483,502; Feb. 12.
Bausch, Michael A. (See Larsen, Mads M., assignor.)
Bayley, William Co., The. (See Perry, Eugene R., assignor.)
Beaudin, James W. (See Hartogh, Arthur A., assignor.)
Beavers, Dalridge B., Washington, D. C. Wire reel. 1,483,765; Feb. 21.
Beavers, Dalridge B. and P. D., Washington, D. C. Wire reel. 1,483,766; Feb. 12.
Beavers, Patrick D. (See Beavers, Dalridge B., and P. D.)
Beck, John T., Embry, Miss. Planter attachment for walking cultivators. 1,483,271; Feb. 12.
Becktel, Oliver H., and W. E. O'Brien, Chicago, Ill. Furniture. 1,483,767; Feb. 12.
Beebe, Paul, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing rubberized fiber composition. 1,483,856; Feb. 12.
Belais, David, assignor to David Belais, Inc., New York, N. Y. Finger ring. Des. 63,927; Feb. 12.
Belais, David, Inc. (See Belais, David, assignor.)
Belknap, Reginald R., U. S. Navy. Net. 1,483,542; Feb. 12.
Bell Register Corporation. (See Bell, Samuel J., assignor.)

Bell, Samuel J., assignor to Bell Register Corporation, Springfield, Mass. Telltale. 1,483,708; Feb. 12.
Benjamin Gross Company. (See Fiedler, Louis, assignor.)
Benson, Charles D., jr. (See Tausz, Ferdinand, assignor.)
Berg, Richard O., assignor to Michigan Steel Tube Products Co., Detroit, Mich. Tube welding. 1,483,272; Feb. 12.
Bernstein, Isaac, San Francisco, Calif. Card holder. 1,483,408; Feb. 12.
Berry, Cullye T., Montgomery County, near Dayton, Ohio. Interchangeable and adjustable sign. 1,483,067; Feb. 12.
Best, Ivan, Morland, Kans. Tire alarm. 1,483,543; Feb. 12.
Bibb, Thomas W., Ellensburg, Wash. Automobile jack. 1,483,603; Feb. 12.
Bickerton, Ralph, Brooklyn, N. Y. Silent-alarm wrist watch. 1,483,768; Feb. 12.
Biddison, Samuel, Los Angeles, Calif. Gas generator and burner. 1,483,709; Feb. 12.
Billings, Frank, and R. P. Greenleaf, Cleveland, Ohio; said Greenleaf assignor to said Billings. Loading machine. Re15,764; Feb. 12.
Billington, Theophilus, Clearwater, Fla. Clamp. 1,483,769; Feb. 12.
Bills, John H., deceased, by M. R. Bills, administratrix, Denver, Colo. Apparatus for blasting by the use of electricity. 1,483,209; Feb. 12.
Bills, Mollie R., administratrix. (See Bills, John H.)
Bishop, George T., and W. R. Hagerman, Chehalis, Wash. Sterilizing apparatus. 1,483,325; Feb. 12.
Black, George L., San Bernardino, Calif. Electrical varied-light apparatus. 1,483,710; Feb. 12.
Black, Joseph J., assignor to The Master Tire & Rubber Company, Dayton, Ohio. Tire. Des. 63,928; Feb. 12.
Blackwell, William W., Marblehill, Ga. Rail seat or brace. 1,483,770; Feb. 12.
Blaeker, Joseph, assignor of one-half to M. Eisenstein, New York, N. Y. Connector for chain links. 1,483,210; Feb. 12.
Blair, F. R., & Co. (See Ungar, Gustave A., assignor.)
Blanton, William. (See Thomas, Charles B., assignor.)
Blattner, David G., Bogota, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit for heating the filaments of audions. 1,483,273; Feb. 12.
Blaser, Almer T., Mescalero, N. Mex. Pressure generator. 1,483,609; Feb. 12.
Bliss, William L., Niagara Falls, N. Y., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Valve-operating mechanism. 1,483,568; Feb. 12.
Bloss, Richard R., and W. Schwemlein, assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Derrick fitting. 1,483,602; Feb. 12.
Blumenthal, Maurice, Brooklyn, N. Y. Roofing paper. 1,483,711; Feb. 12.
Bock Laundry Machine Company. (See Bock, William E., assignor.)
Bock, William E., Eagle Point Colony, assignor to Bock Laundry Machine Company, Toledo, Ohio. Centrifugal machine. 1,483,326; Feb. 12.
Bolns, William G., Rhinelander, Wis. Alloy flux for soldering aluminum and forming same. 1,483,327; Feb. 12.
Booker, Richard A., Richmond, Ind. Electric peening machine. 1,483,328; Feb. 12.
Borden, William A., U. S. Army. Safety device for bomb fuses. 1,483,068; Feb. 12.
Borcsko, Albin F., Toledo, Ohio. Cigar holder. 1,483,503; Feb. 12.
Borland, Bruce, Chicago, Ill. Car seal. 1,483,504; Feb. 12.
Bormann, Frederic, Ipswich, S. Dak. Burner. 1,483,712; Feb. 12.
Bostaph Engineering Corporation. (See Ramage, Alexander S., assignor.)
Boston Scale & Machine Company. (See Greensmith, James E., assignor.)
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 63,929; Feb. 12.
Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. Des. 63,930; Feb. 12.
Bouchard, Joseph, Lachine, Quebec, Canada. Plow. 1,483,771; Feb. 12.
Bourgeois, Albert, Paris, France. Transformation-making machine. 1,483,713; Feb. 12.
Bouschor, Henry A., Victoria, British Columbia, Canada, assignor of one-half to W. E. Bouschor, Seattle, Wash. Connecting means for lines. 1,483,274; Feb. 12.
Bouschor, William E. (See Bouschor, Henry A., assignor.)
Bovee, Ransom Y., Maywood, Ill. Spring suspension for vehicles. 1,483,154; Feb. 12.
Bowden, Gardiner S., Brooklyn, assignor to J. B. Bowden & Co., New York, N. Y. Ring. Des. 63,931; Feb. 12.
Bowden, J. B., & Co. (See Bowden, Gardiner S., assignor.)
Bowne, Frank E. (See Rose, J., and Bowne.)
Boyce, James, Holland, Mich., assignor to The American Cotton Oil Company, New York, N. Y. Food product and manufacture thereof. 1,483,155; Feb. 12.
Boyle, James C. (See Kridler, B. C., and Boyle.)
Bradshaw, James R., Manchester, Tenn. Water-power device. 1,483,505; Feb. 12.
Brady, Henry, Bloomfield, N. J., assignor to Henry Brady, Inc. Tray-making machine. 1,483,211; Feb. 12.
Brady, Henry, Inc. (See Brady, Henry, assignor.)
Brainard, George C. (See Foster H. J., Gruenfeldt, and Brainard.)
Braman, Harold A., Providence, R. I. Fire extinguisher. 1,483,329; Feb. 12.
Brandewie, Leo P., Houston, Ohio. Cow-tail holder. 1,483,772; Feb. 12.
Brandriff, Daniel, Short Beach, assignor to Malleable Iron Fittings Company, Branford, Conn. Lubricating attachment for percussion tools. 1,483,569; Feb. 12.
Brandt, Edward J., Watertown, Wis. Resilient wheel. 1,483,275; Feb. 12.
Brenton, Harry V., et al. (See Moffett, Henry C., assignor.)
Brewster, Rufus C., Lewisburg, W. Va. Fly chaser and catcher. 1,483,506; Feb. 12.
Brbel, John W. (See Palmer, H. D., and Brbel.)
Brickell, Emma D. (See Brickell, Harry S., assignor.)
Brickell, Emma D., executrix. (See Brickell, Harry S.)
Brickell, Harry S., deceased, by E. D. Brickell, executrix, assignor to said E. D. Brickell, Pittsburgh, Pa. Antiskid wear-resisting armor for tires. 1,483,773; Feb. 12.
British Dyestuffs Corporation Limited. (See Green, A. G., and Saunders, assignors.)
Brockbank, Clarence J., assignor to Ross-Tacony Crucible Company, Philadelphia, Pa. Refractory article and making the same. 1,483,507; Feb. 12.
Broman, Charles E., Grand Rapids, Mich., assignor, by mesne assignments, to Add-Index Corporation. Paper carriage for adding machines. 1,483,330; Feb. 12.
Brookins, Andrew J., Chicago, Ill. Selective application valve for automatic train-control apparatus. 1,483,276; Feb. 12.
Brookman, John H., et al. (See Slauson, Stephen A., assignor.)
Brooks, Edward. (See Sebring, C. L., and Brooks.)
Brooks, Edward J., East Orange, N. J. Method and means for sealing strapping. 1,483,714; Feb. 12.
Brooks, Omer, Stanton, Nebr. Tractor sweep hitch. 1,483,774; Feb. 12.
Brooks, Stephen H., Muskogee, Okla., assignor to Oil Conservation Engineering Company, Cleveland, Ohio. Vapor-conservation system. 1,483,212; Feb. 12.
Broome, Stockton, Jacksonville, Fla. Sprinkler head. 1,483,277; Feb. 12.
Brown Bag Filling Machine Company. (See Syme, James M., assignor.)
Brown, Eugene S., Oak Station, Pa. Gas-log heater. 1,483,570; Feb. 12.
Brown Hoisting Machinery Company, The. (See Monroe, Will K., assignor.)
Brown Instrument Company. (See Wilhjelm, Christian, assignor.)
Browne, Gouverneur G., Oakmont, Pa. Press. 1,483,156 Feb. 12.
Browne, Gouverneur G., Winchester, N. H. Ring-rolling machine. 1,483,069; Feb. 12.
Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
Brunner, Hans, Ouder Amstel, Netherlands. Plug cock. 1,483,508; Feb. 12.
Buchanan, Frank, Syracuse, N. Y. Headlight. 1,483,070; Feb. 12.
Buckham, George T. (See Dawson, A. T., Buckham, and Purvis.)
Bugbee, Lucian W., assignor to Franklin Optical Company, Indianapolis, Ind. Making fused bifocal lenses. 1,483,509; Feb. 12.
Bugbee, Lucian W., assignor to Franklin Optical Company, Indianapolis, Ind. Achromatic bifocal lens made of two pieces of glass. 1,483,510; Feb. 12.
Bullis, John R., Winston-Salem, N. C. Clamp for tie wires. 1,483,213; Feb. 12.
Bunting, James H., Clifton, N. J., assignor to Susquehanna Silk Mills, New York, N. Y. Textile fabric. Des. 63,932; Feb. 12.
Burlington Blanket Company. (See Wagner, William H., assignor.)
Burnham, George A., Saugus, assignor to S. B. Condit, jr., Brookline, Mass. Electric switch. 1,483,839; Feb. 12.
Burnham, George A., Saugus, assignor to S. B. Condit, Brookline, Mass. Electric switch. 1,483,840; Feb. 12.
Burns, James F., assignor to V. V. Fittings Company, Philadelphia, Pa. Switch-controlling mechanism. 1,483,715; Feb. 12.
Burtnett, Charles A. (See Burtnett, Everett R., assignor.)
Burtnett, Everett R., assignor of one-half to C. A. Burtnett, Los Angeles, Calif. Internal-combustion engine. 1,483,331; Feb. 12.
Busse, Carter F., Chamois, Mo. Corn harvester. 1,483,775; Feb. 12.
Butchart, William A. (See Rork, C. E., and Sandberg, assignors.)
Byler, Claude, Sheridan, Wyo. Spooling device. 1,483,332; Feb. 12.
Cadenhead, Robert H., Brownwood, Tex. Plow. 1,483,776; Feb. 12.
Calder, John A., assignor to The Torrington Company, Torrington, Conn. Riveting machine. 1,483,071; Feb. 12.
Calder, John A., assignor to The Torrington Company, Torrington, Conn. Rivet-cutting device. 1,483,072; Feb. 12.

Calder, John A., assignor to The Torrington Company, Torrington, Conn. Rivet-cutting machine. 1,483,073; Feb. 12.
Callahan, Charles F., Memphis, Tenn. Refrigerating vending machine. 1,483,777; Feb. 12.
Cameron, John A. H., et al., trustees. (See Remillard, Joseph O., assignor.)
Campbell, Colin J., East Orange, assignor to Standard Auto Parts Company of America, Newark, N. J. Guide. 1,483,778; Feb. 12.
Campbell, George L., Philadelphia, Pa. Incinerator. 1,483,571; Feb. 12.
Capece, Joseph N., Astoria, N. Y. Combined door-lock-mounting unit. 1,483,333; Feb. 12.
Carey, John N., Oakmont, Pa. Charging device. 1,483,278; Feb. 12.
Carlson, Carl E., et al. (See Fisher, Charles, assignor.)
Carroll, Dallas C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rim tool. 1,483,841; Feb. 12.
Carrow, Walter D., Chicopee Falls, Mass. Valve tool. 1,483,074; Feb. 12.
Carson, John A., Huntington, N. Y. Headlight attachment. 1,483,779; Feb. 12.
Carter, Thomas J., assignor to Carter's Bestever Bait Company, Indianapolis, Ind. Artificial casting bait. 1,483,842; Feb. 12.
Carter, William Company. (See Drumheller, William P., assignor.)
Carter's Bestever Bait Company. (See Carter, Thomas J., assignor.)
Cash, A. W., Company. (See De Coster, Charles J., assignor.)
Catala, Tiburce, Englewood Cliffs, N. J. Gilding apparatus. 1,483,780; Feb. 12.
Cavallaro, Frank, San Jose, Calif. Fire hydrant. 1,483,410; Feb. 12.
Cavin, Frank T. (See Hand, K. F., and Cavin.)
Centrone, Rocco, assignor of one-half to F. Napoli, Brooklyn, N. Y. Shoe vamp. Des. 63,933; Feb. 12.
Chabbert, Paul E. J., Castres, France. Couch or bed pan. 1,483,157; Feb. 12.
Chalfant, Cotter S., Chicago, Ill. Spark arrester for locomotives. Re15,765; Feb. 12.
Chamberlain Machine Works. (See Anderson, Oscar T., assignor.)
Champion Manufacturing Company. (See Dunbaugh, George J., jr., assignor.)
Cheney, Charles C., Charlestown, Mass. Bill folder. 1,483,279; Feb. 12.
Cherniavsky, Abraham, Los Angeles, Calif. Mute holder. 1,483,334; Feb. 12.
Chero-Cola Company. (See Sears, Claud A., assignor.)
Cherry, Floyd H., Berkeley, Calif. Self-controlling heater. 1,483,280; Feb. 12.
Chesebrough Manufacturing Company (Consolidated). (See Dobbins, Thomas J., assignor.)
Chilton, Roland, Keyport, N. J., assignor to Aeromarine Plane & Motor Company. Motor-testing apparatus. 1,483,075; Feb. 12.
Choinski, Bruno B., assignor of forty-nine one-hundredths to S. A. Lange, Milwaukee, Wis. Electric-lamp globe. 1,483,716; Feb. 12.
Chott, Edward L., Chicago, Ill. Teeth-cleaning instrument. 1,483,158; Feb. 12.
Christman, Duvillo G., Endicott, N. Y. Guard for accelerator pedals. 1,483,717; Feb. 12.
Churchill, Arthur H., Yarmouth, Nova Scotia, Canada. Mounting for false teeth. 1,483,781; Feb. 12.
Citizens of the United States. (See Mains, Gerald H.)
Clancy, John C., assignor to The Nitrogen Corporation, Providence, R. I. Ammonia synthesis and means for effecting the same. 1,483,411; Feb. 12.
Clancy, John C., assignor to The Nitrogen Corporation, Providence, R. I. Ammonia-synthesis catalyst. 1,483,412; Feb. 12.
Clancy, John C., assignor to The Nitrogen Corporation, Providence, R. I. Synthetic production of ammonia. 1,483,413; Feb. 12.
Clancy, John C., assignor to The Nitrogen Corporation, Providence, R. I. Regenerating ammonia-synthesis catalysts. 1,483,414; Feb. 12.
Clark, Frank I., Baltimore, Md. Inhaler. 1,483,572; Feb. 12.
Clark, George A., Seattle, Wash. Cast-off for suspenders. 1,483,649; Feb. 12.
Clark, Harry A., Wichita Falls, Tex. Eccentric drilling attachment. 1,483,335; Feb. 12.
Clingestein, Heinrich, Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. Azo dye. 1,483,415; Feb. 12.
Cloyes, James H., Chicago, Ill., assignor, by mesne assignments, to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Folding top for vehicles and other structures. 1,483,076; Feb. 12.
Cole, Joseph E., Dacre, Ontario, Canada. Rural mail box. 1,483,077; Feb. 12.
Cole, William C., Canonsburg, Pa. Storm gaiter. 1,483,782; Feb. 12.
Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Method and apparatus for transforming direct current. 1,483,281; Feb. 12.
Coleman, William C., Wichita, Kans. Portable stove. 1,483,159; Feb. 12.
Coleman X-Ray Company. (See Coleman, George B., assignor.)
Collins, Ulysses L., San Diego, Calif. Electric clock. 1,483,783; Feb. 12.
Colliver, William A., Marshfield, Oreg. Movable cap for smokestacks. 1,483,784; Feb. 12.
Compagnie des Forges et Acieries de la Marine et d'Hornecourt, The. (See Rimailho, Emile, assignor.)
Condit, Sears B., jr. (See Burnham, George A., assignor.)
Cook, Adoniram J., Westerlo, N. Y. Boltless anticreeping device for railway rails. 1,483,416; Feb. 12.
Cook, Harmon J., assignor to The Torrington Company, Torrington, Conn. Spoke connection. 1,483,078; Feb. 12.
Cooper, Abraham, Brooklyn, N. Y. Arm for lighting fixtures. Des. 63,934; Feb. 12.
Cooper, Sidney R. (See Diesk, J. jr., and Cooper.)
Corbin, Elbert A., jr., Swarthmore, Pa. Vehicle body. 1,483,650; Feb. 12.
Corl, Robert M., Maumee, assignor, by mesne assignments, to Erie Glass Company, Toledo, Ohio. Method and apparatus for forming glass. 1,483,336; Feb. 12.
Corn Exchange National Bank, The, et al., administrators. (See Halkett, William G.)
Corning Glass Works. (See Littleton, Jesse T., jr., assignor.)
Corrubia, Paul E., St. Louis, Mo. Toy doll. 1,483,718; Feb. 12.
Corsat, Marcel S., Bachet de Pesay, Carouge, Switzerland. Device for soldering aluminum. 1,483,337; Feb. 12.
Costello, William J., Penn Township, Allegheny County, assignor of one-half to J. E. Katz, Verona, Pa. Lifting jack. 1,483,843; Feb. 12.
Costmeter Company. (See Quigley, John T., assignor.)
Coston, Edward C., near Skidmore, Mo. Bolt sleeve. 1,483,282; Feb. 12.
Couch, Thomas B., Wichita Falls, Tex. Fishing tool. 1,483,079; Feb. 12.
Creighton, Maynard J., assignor to Darco Corporation, Wilmington, Del. Recovering soda and active carbon. 1,483,160; Feb. 12.
Cressler, Will T., Cincinnati, Ohio. Hand stamp. 1,483,283; Feb. 12.
Creveling, John L., Oracle, Ariz., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. 1,483,651; Feb. 12.
Crisson, George. (See Toomey, J. F., and Crisson.)
Critchelow, Walter G., et al. (See Cunningham, Edward J., assignor.)
Crockett, Charles H., Troy, N. Y. Vehicle spring. 1,483,214; Feb. 12.
Cullen, John T., jr., Clinton, Iowa. Automatic stoker for furnaces. 1,483,785; Feb. 12.
Cunningham, Edward J., assignor to W. G. Critchlow and H. M. Valentine, Chicago, Ill. Humidifier for motors. 1,483,604; Feb. 12.
Cunningham, James. (See Quigley, R., and Cunningham.)
Currie, Frank S., Webster City, Iowa. Snowplow. 1,483,080; Feb. 12.
Currie, Hugh A., Chicago, Ill. Caster. 1,483,284; Feb. 12.
Curtis, George V., West Springfield, and W. H. Miner, Springfield, Mass.; said Miner assignor to said Curtis. Variable-feed mechanism. 1,483,719; Feb. 12.
Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
Darco Corporation. (See Creighton, Maynard J., assignor.)
Darrow, Fred, Cuyahoga Falls, Ohio. Phonograph appliance. 1,483,573; Feb. 12.
Davison, Allen S., Company. (See Meyer, Albert P., assignor.)
Dawson, Arthur T., G. T. B. and W. R. Purvis, assignors to Vickers Limited, Westminster, London, England. Ordnance breech mechanism. 1,483,161; Feb. 12.
Day, Thomas Company. (See Symmes, Whitman, assignor.)
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
Dayton Engineering Laboratories Company, The. (See Hunt, J. H., and Fitzsimmons, assignors.)
Dayton-Wright Company. (See Driggs, Ivan H., assignor.)
Dean, Peter P., Sound Beach, Conn. Valve. 1,483,081; Feb. 12.
De Cew, Judson A., Mount Vernon, assignor to Process Engineers Incorporated, New York, N. Y. Preserving and treating paper pulp. 1,483,630; Feb. 12.
De Coster, Charles J., assignor to A. W. Cash Company, Decatur, Ill. Liquid strainer. 1,483,285; Feb. 12.
Deere & Company. (See Kiel, Chris, assignor.)
Defiance Button Machine Co. (See Murphy, William B., assignor.)
De La Mater, Rual L., San Diego, Calif. Fuel-mixing device. 1,483,286; Feb. 12.
De Saussure, William P., jr., Englewood, N. J. Visible index. 1,483,215; Feb. 12.
Despard, Victor R., Hinsdale, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Mechanical movement. 1,483,162; Feb. 12.

De Zeng, Henry L., Moorestown, N. J. Optical instrument. 1,483,786; Feb. 12.
Dick, A. B., Company. (See Green, Charles F., assignor.)
Dickinson, Neville S., Glen Ridge, N. J., assignor to Elevator Supplies Company, Inc. Elevator sequence safety device. 1,483,216; Feb. 12.
Dicks, David & Heller Co. (See Minevitch, Joseph R., assignor.)
Dilling, Paul, Chicago, Ill. Apron tie. 1,483,338; Feb. 12.
Dixon, Thomas S., assignor to The Vigilant Automatic Fire Alarm Company Limited, Christchurch, New Zealand. Thermostat for electrical fire-alarm systems. 1,483,787; Feb. 12.
Diesk, John, jr., and S. R. Cooper, assignors to U. S. Ball Bearing Manufacturing Company, Chicago, Ill. Feeding mechanism for rivet machines. 1,483,720; Feb. 12.
Doane, Leroy C., Cleveland, Ohio, assignor to General Electric Company. Lighting fixture. 1,483,417; Feb. 12.
Dobbins, Thomas J., Brooklyn, assignor to Chesebrough Manufacturing Company (Consolidated), New York, N. Y. Tube cap. Des. 63,935; Feb. 12.
Dobbs, William G., Auburn, N. Y. Furnace and grate therefor. 1,483,287; Feb. 12.
Doddridge, J. M., & Sons. (See Doddridge, James M., assignor.)
Doddridge, James M., assignor to J. M. Doddridge & Sons, Milton, Ind. Grave lining. 1,483,288; Feb. 12.
Doering, Charles J. (See Doering, William M., and C. J.)
Doering, William M., and C. J., Cincinnati, Ohio. Display carton. 1,483,289; Feb. 12.
Donigan, Horn G., St. Louis, Mo. Screen for windshields. 1,483,652; Feb. 12.
Donnelly, James H., Cleveland, Ohio. Casket construction. 1,483,544; Feb. 12.
Doremus, Isaac W., West Englewood, N. J., assignor, by mesne assignments, to Doremus, Schoen & Co., Inc., New York, N. Y. Game. Re15,763; Feb. 12.
Doremus, Schoen, & Co. (See Doremus, Isaac W., assignor.)
Dosimont, Henri, Arville, assignor to Etablissements Dosimont, Societe Anonyme, Brussels, Belgium. Drill bit or auger. 1,483,082; Feb. 12.
Douglas, William, & Sons, Limited. (See Nicol, John S., assignor.)
Douglass, Edward L., Jacksboro, Tex. Temperature-regulating system for houses. 1,483,163; Feb. 12.
Douglass, Frank E. (See Townsend, W. S., and Douglass.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Driggs, Ivan H., assignor to Dayton-Wright Company, Dayton, Ohio. Door for aircraft bodies. 1,483,164; Feb. 12.
Drumheller, William P., Springfield, assignor to William Carter Company, Needham Heights, Mass. Mechanism for lubricating the needles and needle cam tracks of knitting machines. 1,483,844; Feb. 12.
Dufaux, Charles F., Geneva, Switzerland. Permanent magnet for electric machines. 1,483,339; Feb. 12.
Dugan, Peter J., Bronx, N. Y. Safety device for electric apparatus. 1,483,653; Feb. 12.
Dunbaugh, George J., jr., assignor to Champion Manufacturing Company, Chicago, Ill. Liquid-level indicator. 1,483,413; Feb. 12.
Dunham, Delbert F., Los Angeles, Calif. Valve grinder. 1,483,721; Feb. 12.
Duplessis, Etienne, Paris, France. Hand machine for cutting out several thicknesses of fabric. 1,483,788; Feb. 12.
Durand Steel Locker Company. (See Vance, Walter N., assignor.)
Durant Motors Incorporated. (See Sturt, Alfred T., assignor.)
Durkee-Atwood Company. (See Murray, Lee, assignor.)
Dyer, Elbert, assignor of one-fourth to R. V. Leep and one-fourth to L. C. Eaton, Bandon, Oreg. Fishing-line reel. 1,483,340; Feb. 12.
Earhart, William A., East Radford, Va. Rotary cultivator. 1,483,789; Feb. 12.
Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear-inspection machine. 1,483,419; Feb. 12.
Eaton, L. C., et al. (See Dyer, Albert, assignor.)
Eaton, Washington L., Holyoke, Mass. Practice golf ball. 1,483,165; Feb. 12.
Edmunds & Jones Corporation. (See Kerwin, Thomas J., assignor.)
Edwards, George D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and system for detecting sources of vibration. 1,483,790; Feb. 12.
Edwards, Harley W., Thetford Mines West, Quebec, Canada. Blow-out patch. 1,483,791; Feb. 12.
Egger, Louis, Sommiswald-Grunen, Switzerland. Thread-clamping device. 1,483,166; Feb. 12.
Eggimann, Ernest, Mount Horeb, Wis. Automobile ventilator. 1,483,290; Feb. 12.
Eichner, Henry, Chicago, Ill. Burner chamber for rotary baking ovens. 1,483,167; Feb. 12.
Eisenstein, Maxwell. (See Blaeker, Joseph, assignor.)
Electric Bleaching Gas Company. (See MacMillan, John R., assignor.)
Elevator Supplies Company. (See Dickinson, Neville S., assignor.)
Elmes, Charles F., Engineering Works. (See Slater, Harvey, assignor.)
Emerson, Elmer L., Marshalltown, Iowa. Door opener. 1,483,291; Feb. 12.
Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Analgesic compound and producing the same. 1,483,217; Feb. 12.
Erie Glass Company. (See Corl, Robert M., assignor.)
Ermilio, Dominick J., Jersey City, N. J., assignor of one-half to J. L. McDonald, Tottenville, N. Y. Method and apparatus for placing concrete sheet piles. 1,483,574; Feb. 12.
Eschwig, Albert, Seattle, Wash. Vehicle wheel. 1,483,654; Feb. 12.
Etablissements Dosimont Societe Anonyme. (See Dosimont, Henri, assignor.)
Eustis, Frederic A., Milton, Mass., assignor of one-half to C. P. Perin, New York, N. Y. Making electrolytic metal and apparatus therefor. 1,483,722; Feb. 12.
Evers, Theodore, assignor of one-half to R. S. Silvis, Rhode Island, Ill. Valve. 1,483,545; Feb. 12.
Ewing, Albert L., Seattle, Wash. Combination camp stove and cooker. 1,483,420; Feb. 12.
Fahnestock, Archie P., Long Island City, N. Y., assignor to Fahnestock Electric Company. Insulating bushing. 1,483,218; Feb. 12.
Fahnestock Electric Company. (See Fahnestock, Archie P., assignor.)
Fahrni, Otto, Blumlimatt, near Thun, assignor to G. Rieser and L. Wyler, Berne, Switzerland. Automatic-operating device for embroidery machines. 1,483,168; Feb. 12.
Fairbairn, John M. R., Montreal, Quebec, Canada. Anchor tie plate. 1,483,792; Feb. 12.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Clingestein, Heinrich, assignor.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Huismann, Johann, assignor.)
Farnham, Helen G., Minneapolis, Minn. Bookrest. 1,483,421; Feb. 12.
Farrell, John A., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Rug. Des. 63,936; Feb. 12.
Faull, Alfred E., assignor to Right-of-Way Signal Company, Oakland, Calif. Direction indicator. 1,483,655; Feb. 12.
Fenlon, Charles E., Sandwich, Ill., assignor, by mesne assignments, to The Jahn-Fenlon Co., Wilmington, Del. Food product and preparing same. 1,483,422; Feb. 12.
Ferdon, William S., Omaha, Nebr. Clothes protector. 1,483,793; Feb. 12.
Fetters, Arthur H., Omaha, Nebr. Casing for locomotive steam pipes. 1,483,423; Feb. 12.
Fidelity Tire & Rubber Co. (See McConnell, George C., assignor.)
Fiedler, Louis, assignor to Benjamin Gross Company, Inc., New York, N. Y. Finger ring or article of similar nature. Des. 63,937; Feb. 12.
Filloux, Louis J. F., Le Havre, France. Gun carriage. 1,483,169; Feb. 12.
Finch, Francis E., New York, N. Y., and W. H. Glomb, assignors to Ruggles-Coles Engineering Company, York, Pa. Drier. 1,483,424; Feb. 12.
Fine, David L., Newton, Mass. Garment. Re15,757; Feb. 12.
Finney, James M. (See Schroeder, Anthony, assignor.)
Firestone Tire & Rubber Company, The. (See Carroll, Dallas C., assignor.)
Firestone Tire and Rubber Company, The. (See Fitzharris, James D., assignor.)
Fisher, Charles, assignor of one-third to A. C. Grunwald, one-third to C. E. Carlson, and one-third to F. H. Loescher, Chicago, Ill. Toilet-paper package. 1,483,575; Feb. 12.
Fisher, Emanuel, assignor of one-half to G. W. O'Kneel, Providence, R. I. Valve. 1,483,656; Feb. 12.
Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Tool for forming salvaged fabric. 1,483,425; Feb. 12.
Fitch, John C., Three Rivers, Mich. Grave vault. 1,483,341; Feb. 12.
Fitzgerald, Jeremiah C., Dubuque, Iowa. Cow stanchion. 1,483,292; Feb. 12.
Fitzharris, James D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Mold. 1,483,857; Feb. 12.
Fitzsimmons, John T. (See Hunt, J. H., and Fitzsimmons.)
Flesch, Leo, assignor to the Firm G. & J. Jaeger, Kommanditgesellschaft, Elberfeld, Germany. Bearing. 1,483,170; Feb. 12.
Fletcher, Harold W., Houston, Tex., assignor to Hughes Tool Company. Weight indicator. 1,483,426; Feb. 12.
Forbes, John W., Flint, Mich. Valve-operating mechanism. 1,483,631; Feb. 12.
Forrest, Nettie. (See Forrest, Prosper J., assignor.)
Forrest, Prosper J., Alameda, assignor of one-half to N. Forrest, San Francisco, Calif. Underreamer. 1,483,219; Feb. 12.
Foster, Henry J., E. Gruenfeldt, Cleveland, and G. C. Brainard, East Cleveland, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Sheet-metal barrel. 1,483,293; Feb. 12.

Foster, Theodore W., & Bro. Co. (See Foster, Theodore W., assignor.)
Foster, Theodore W., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Container for toilet preparations. 1,483,220; Feb. 12.
Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
Fostoria Glass Company. (See Greenan, Frank D., assignor.)
Fox, George, Lexington, Nebr. Joint or connection. 1,483,294; Feb. 12.
Franklin Optical Company. (See Bugbee, Lucian W., assignor.)
Frederick, Henry A. (See Pearce, Jesse C., assignor.)
Fredholm, Henry, Chicago, Ill. Showcase. 1,483,723; Feb. 12.
Frediani, Angelo. (See Martin, Charles H., assignor.)
French, William A., assignor to Wm. A. French Furniture Company, Minneapolis, Minn. Radio cabinet. Des. 63,938; Feb. 12.
French, Wm. A., Furniture Company. (See French, William A., assignor.)
Frey, Elmer E. (See Reavis, W. E., and Frey.)
Freyn, Brassert & Company. (See Hayes, J. C., jr., and Wetherbee, assignors.)
Frick, Otto, Herserud, Sweden. Electric induction furnace. 1,483,221; Feb. 12.
Friedman, Joseph, Brooklyn, N. Y. Kettle or similar article. Des. 63,939; Feb. 12.
Friedman, Joseph, Brooklyn, N. Y. Kettle or similar article. Des. 63,940; Feb. 12.
Fritsche, John, Merion, Pa. Valve mechanism for liquid-vending machines. 1,483,083; Feb. 12.
Fröding, Olof E. (See Julin, A. T., and Fröding.)
Fry, Albert L., Elizabeth, N. J. Knife. 1,483,632; Feb. 12.
G. & G. Fixture Co., The. (See Walker, Ernest A., assignor.)
Gale, Charles H., St. Johns, Bishopsteke, England. Indicator for reciprocating engines. 1,483,171; Feb. 12.
Galloway, Joseph W., Wilmington, Del. Automobile anti-theft device. 1,483,222; Feb. 12.
Gannett, Danforth K., Arverne, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,483,172; Feb. 12.
Garland, John L., Youngstown, Ohio. Changeable price tag. 1,483,794; Feb. 12.
Garner, Edward E., Jacumba, Calif. Poultry house. 1,483,295; Feb. 12.
Gaunt, Charles F., Birmingham, England. Manufacture of buttons, badges, or the like. 1,483,223; Feb. 12.
Gayeski, Joseph F., Shamokin, Pa. Miner's cap. 1,483,626; Feb. 12.
Gaynor, Edwin G., Stratford, Conn. Pipe-collar plate. 1,483,428; Feb. 12.
Gaynor, Edwin G., Stratford, and L. T. Wilson, New Haven, Conn.; said Wilson assignor to said Gaynor. Electric heating device. 1,483,427; Feb. 12.
Gelb, William, assignor to International Silver Company, Meriden, Conn. Box or similar article. Des. 63,941; Feb. 12.
Gelb, William, assignor to International Silver Company, Meriden, Conn. Plate or similar article. Des. 63,942; Feb. 12.
Gelissen, Henri C. J. H., Berlin, Germany, assignor to the Firm: Naamloose Vennootschap Industrieele Maatschappij, voorheen Noury & Van Der Lande, Deventer, Netherlands. Bleaching and improving flour and milling products. 1,483,546; Feb. 12.
General Electric Company. (See Allee, David A., assignor.)
General Electric Company. (See Doane, Leroy C., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Hedin, Fred H., assignor.)
General Electric Company. (See Hewlett, Edward M., assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Knoderer, Homer G., assignor.)
General Electric Company. (See Montabone, Adolph J. F., assignor.)
General Electric Company. (See Perry, Charles T., assignor.)
General Electric Company. (See Tobey, Harry W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Warren, Henry E., assignor.)
General Phonograph Corporation. (See Vassell, Anthony, assignor.)
General Railway Signal Company. (See Stephenson, James E., assignor.)
Gerner, Otto G., Minneapolis, Minn. Office indicator. 1,483,724; Feb. 12.
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Von Bronk, Otto, assignor.)
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 1,483,845; Feb. 12.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Quick-break switch. 1,483,846; Feb. 12.
Gibbons, Richard, assignor to M. A. Kenney, Brooklyn, N. Y. Airplane-receiving apparatus. Re15,758; Feb. 12.
Gibson, Allan M. (See Gibson, William H. and A. M., and Klutts.)
Gibson, William H. and A. M., and G. S. Klutts, Concord, N. C. Boll-weevil exterminator. 1,483,795; Feb. 12.
Gill, Fred A., Lebanon, Pa. Drill. 1,483,296; Feb. 12.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Metal grain door. 1,483,576; Feb. 12.
Gilson, Henry R., New Rochelle, N. Y., assignor to Revere Rubber Company. Tire-building apparatus. 1,483,297; Feb. 12.
Girin, Pierre, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. New alloy comprising iron, nickel, chromium, molybdenum. 1,483,298; Feb. 12.
Gisholt Machine Company. (See Stevens, William N., assignor.)
Gitzendanner, Charles, Ridgewood, N. Y. Strut rod. 1,483,542; Feb. 12.
Gladin, Eugene L., Manchester, Ga. Slasher cylinder. 1,483,543; Feb. 12.
Gleason, James E., and A. L. Stewart, assignors to Gleason Works, Rochester, N. Y. Method of and machine for cutting gears or wheels. Re15,759; Feb. 12.
Gleason Works. (See Gleason, J. E., and Stewart, assignors.)
Glidden, Arthur R., Sultan, Wash. Controlling device for internal-combustion engines. 1,483,657; Feb. 12.
Glidden, Arthur R., Seattle, Wash. Fuel economizer for internal-combustion engines. 1,483,658; Feb. 12.
Glomb, Walter H. (See Finch, F. E., and Glomb.)
Goddard, Wilfred B., San Francisco, Calif. Lighting fixture. Des. 63,943; Feb. 12.
Golden, Thomas F., et al. (See Montgomery, James R., assignor.)
Goldsmith, Hugo, assignor, by mesne assignments, to The P. Goldsmith Sons Company, Cincinnati, Ohio. Athletic protective pad. 1,483,299; Feb. 12.
Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)
Good Inventions Co. (See Good, John, assignor.)
Good, John, Garden City, assignor to Good Inventions Co., Brooklyn, N. Y. Engine preheater. 1,483,577; Feb. 12.
Goodall, John N., Portsmouth, N. H. Reamer. 1,483,429; Feb. 12.
Goodbar, Robert L., assignor to Goodbar Rubber Company, Minneapolis, Minn. Fan belt. 1,483,578; Feb. 12.
Goodbar Rubber Company. (See Goodbar, Robert L., assignor.)
Goodman, Charles H. (See Wickes, F. H., and Goodman.)
Goodwin, Emery M., Cleveland, Ohio. Electrical amusement device. 1,483,579; Feb. 12.
Goodyear Tire & Rubber Company, The. (See Beebe, Paul, assignor.)
Gordon, David D., Chicago, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind. Switch-operating apparatus. 1,483,173; Feb. 12.
Gorman, Alphonsus, et al. (See Remillard, Joseph O., assignor.)
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Light fixture. Des. 63,944; Feb. 12.
Gray, James H., New York, N. Y. Melting or smelting low volatile metals. 1,483,796; Feb. 12.
Great Western Electro Chemical Company. (See Rosenstein, Ludwig, assignor.)
Green, Arthur G., and K. H. Saunders, assignors to British Dyestuffs Corporation, Limited, Manchester, England. Manufacture of N-sulphato-alkyl compounds. 1,483,084; Feb. 12.
Green, Arthur G., and K. H. Saunders, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing and printing acetyl silk and materials containing it. 1,483,797; Feb. 12.
Green, Arthur G., and K. H. Saunders, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dye and making the same. 1,483,798; Feb. 12.
Green, Charles F., Romford, England, assignor to A. B. Dick Company, Chicago, Ill. Printing member for type-duplicating machines. 1,483,659; Feb. 12.
Greenleaf, Robert P. (See Billings, F., and Greenleaf.)
Greenan, Frank D., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass goblet or similar article. Des. 63,945; Feb. 12.
Greensmith, James E., Brookline, assignor of one-half to Boston Scale & Machine Company, Boston, Mass. Reversing valve. 1,483,430; Feb. 12.
Greenstreet, Charles J., executor. (See Greenstreet, Jason H.)

Greenstreet, Jason H., deceased, Indianapolis, Ind.; J. Greenstreet, executor. Box. 1,483,174; Feb. 12.
Gronberg, Clarence O., assignor of one-third to A. M. Price, Elgin, Ill. Lead pencil. 1,483,344; Feb. 12.
Grossman, Joseph L., Chicago, Ill. Shipping and identification tag holder. 1,483,300; Feb. 12.
Grubb, Thomas, St. Louis, Mo. Egg-candling device. 1,483,660; Feb. 12.
Gruenfeldt, Emil. (See Foster, H. J., Gruenfeldt, and Brainard.)
Grunwald, Albert C., et al. (See Fisher, Charles, assignor.)
Guardian Gas Appliance Company, The. (See Nieberding, Frank A., assignor.)
Guelbaum, David, Syracuse, N. Y. Carburetor. 1,483,634; Feb. 12.
Guenther, Arthur G. G., assignor to Signode System, Inc., Chicago, Ill. Sealing device. 1,483,175; Feb. 12.
Guest, Benjamin O. (See Hosmer, J. W., and Guest.)
Hagerman, Willard R. (See Bishop, G. T., and Hagerman.)
Halkett, Elizabeth M., et al., administrators. (See Halkett, William G.)
Halkett, Joa S., et al., administrators. (See Halkett, William G.)
Halkett, Walter A., et al., administrators. (See Halkett, William G.)
Halkett, William G., deceased, Philadelphia, Pa.; E. M. Halkett, A. H. Kershaw, W. A. Halkett, J. S. Halkett, and the Corn Exchange National Bank, administrators. Hand grip for golf clubs, etc. 1,483,647; Feb. 12.
Halkias, George C., New York, N. Y. Power windmill. 1,483,301; Feb. 12.
Hall, Arthur J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,483,431; Feb. 12.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Demand meter. 1,483,432; Feb 12.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Relay. 1,483,433; Feb. 12.
Hall, Frederick D., assignor to Hall Mfg. Co., Chicago, Ill. Reproducing needle for talking machines. 1,483,345; Feb. 12.
Hall-Lewis, P. M., et al. (See Sandstrom, Albert H., assignor.)
Hall Mfg. Co. (See Hall, Frederick D., assignor.)
Hall, Samuel J., Anniston, Ala. Can opener. 1,483,661; Feb. 12.
Hall, William, New York, N. Y. File. 1,483,799; Feb. 12.
Hamel, Charles A., Swanton, Vt. Putty powder. 1,483,224; Feb. 12.
Hamilton, William J., Chokoloskee, Fla. Trap. 1,483,800; Feb. 12.
Hammer, Hans O., Chicago, Ill. Tuning device for stringed musical instruments. 1,483,434; Feb. 12.
Hammer, Samuel, New York, assignor to United Metal Box Co., Inc., Long Island City, N. Y. Detachable handle. 1,483,435; Feb. 12.
Hammett, Harry R., Bakersfield, Calif. Liquid meter. 1,483,225; Feb. 12.
Hand, Kedlian P., and F. T. Cavin, Los Angeles, Calif.; said Hand assignor to said Cavin. Cotton picker. 1,483,848; Feb. 12.
Handley, Agnes P., Oakland, Calif. Doll. Des. 63,946; Feb. 12.
Hanna, Albert B., Denver, Colo. Caster. 1,483,302; Feb. 12.
Hansen, E. W., et al. (See Sandstrom, Albert H., assignor.)
Hardie, Robert W., Fanwood, N. J. Air humidifier. Re. 15,766; Feb. 12.
Harris, Lafe W., and M. L. Taylor, Kansas City, Mo. Arm rest. 1,483,396; Feb. 12.
Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Clasp. 1,483,801; Feb. 12.
Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Bracelet clasp. 1,483,802; Feb. 12.
Harrison, Isaac, Cresmridge, N. J. Berry-stripping machine. 1,483,225; Feb. 12.
Harrison, John W., assignor of one-half to H. Balding, Preston, Lancaster, England. Bookmarker. 1,483,347; Feb. 12.
Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,483,580; Feb. 12.
Harjburg, Hermann L., Denver, Colo. Beet cutter. 1,483,803; Feb. 12.
Hartford Rubber Works Company, The. (See Lough, Hector V., assignor.)
Hartogh, Arthur A., assignor of one-half to J. W. Beaudin, Duluth, Minn. Wall pocket. 1,483,804; Feb. 12.
Harvey, Albert W., Sulphur Springs, Tex. Signal. 1,483,511; Feb. 12.
Hatch, L. O., et al. (See Slauson, Stephen A., assignor.)
Hawkins, Lee U., Madisonville, Ky. Journal jack. 1,483,303; Feb. 12.
Hayes, Harvey C., New London, Conn., assignor to Submarine Signal Company, Portland, Me. Determining distances. 1,483,547; Feb. 12.
Hayes, John C., jr., and H. L. Wetherbee, assignors to Freyn, Brassert & Company, Chicago, Ill. Means for cleaning and drying blast-furnace gas. 1,483,348; Feb. 12.
Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Valve. 1,483,436; Feb. 12.
Haselton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Metal loop for garment supporters. 1,483,349; Feb. 12.
Headley, William T., Philadelphia, Pa. Railway crossing and making the same. 1,483,437; Feb. 12.
Heath, Laurence E., assignor of forty-nine per cent to J. Labbee, jr., Quantico, Va. Engine muffler. 1,483,805; Feb. 12.
Hebebrand, George H. (See Neal, B., and Hebebrand.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Brake-beam safety means. 1,483,633; Feb. 12.
Hedin, Fred H., Willimantic, Conn., assignor to General Electric Company. Automatic reclosing-circuit-breaker system. 1,483,438; Feb. 12.
Heffner, Augustus C., Crowley, La. Toy gun. 1,483,304; Feb. 12.
Hegerman, Gustave G., Chicago, Ill. Cinematograph film. 1,483,581; Feb. 12.
Heidbrink, Jay A., Minneapolis, Minn. Surgical bone-cutting device. 1,483,085; Feb. 12.
Heinrich, Fred, Whittemore, Iowa. Chicken roost. 1,483,086; Feb. 12.
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Plate. Des. 63,947; Feb. 12.
Heitz, Albert J., Vincennes, Ind. Automatic night-lamp fixture. 1,483,726; Feb. 12.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,483,439; Feb. 12.
Hendley, Alma V., Kansas City, Mo. Statuette. Des. 63,948; Feb. 12.
Hendricks, Ira W. (See Kramer, William J., assignor.)
Henrikson, Herbert A., Providence, R. I. Column guide. 1,483,176; Feb. 12.
Hendrix, Cecil A., Flora, Ind. Electrical scoreboard. 1,483,806; Feb. 12.
Hepburn, George G., Chorlton-cum-Hardy, England. Water filtering and softening apparatus. 1,483,858; Feb. 12.
Herbert, Edwin B. (See Smith, G. Z., and Herbert.)
Heulings, Samuel M., Haddonfield, N. J. Filling machine. 1,483,861; Feb. 12.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,483,440; Feb. 12.
Hibbard, Lloyd J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,483,441; Feb. 12.
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,483,727; Feb. 12.
Hill, Roy L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ammonium-nitrate explosive. 1,483,087; Feb. 12.
Hirsch, Max. (See Horak, Frank, assignor.)
Hirsh, Fred, assignor to The Adjusta Company, Inc., New York, N. Y. Fastener. 1,483,849; Feb. 12.
Hobart, Henry M., Schenectady, N. Y., assignor to General Electric Company. Means for cooling electrical apparatus. 1,483,442; Feb. 12.
Hoey, Samuel C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telegraph key. 1,483,444; Feb. 12.
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Oil stove. 1,483,088; Feb. 12.
Hogun, George F., Chicago, Ill. Envelope. 1,483,443; Feb. 12.
Holcomb & Hoke Mfg. Co. (See Waltman, H. A., and Rossebo, assignors.)
Holley, George M. (See Anderson, Raymond M., assignor.)
Holmes, Schuyler H., Venice, Calif. Locality indicator for vehicles. 1,483,728; Feb. 12.
Holton, Rudd T., Hugo, Okla. Cotton-square picker. 1,483,445; Feb. 12.
Horak, Frank, assignor of one-half to M. Hirsch, Valparaiso, Ind. Sportsman's vest. 1,483,635; Feb. 12.
Horni, Paul P., Newark, N. J. Lens. 1,483,636; Feb. 12.
Hosmer, John W., and B. O. Guest, Crossville, Ala. Dirigible headlight. 1,483,807; Feb. 12.
Hotchkiss, Marshall. (See Shepherd, B. P., and Hotchkiss.)
Hough, Earl B., assignor to G. M. Peters, trustee, Chicago, Ill. Motion-transmitting mechanism. 1,483,089; Feb. 12.
Hough, Herbert D., Edgewood, assignor to Wightman & Hough Company, Providence, R. I. Vanity case. 1,483,350; Feb. 12.
Hoyt Metal Company. (See Thompson, George K., assignor.)
Hudd, Alfred E., assignor to Automatic Telephone Manufacturing Company Limited, Liverpool, England. Motor. 1,483,512; Feb. 12.
Huey, George W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. 1,483,446; Feb. 12.
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hughes Tool Company. (See Scott, Floyd L., assignor.)

Hugues, Louis J., Topeka, Kans. Steering-wheel lock. 1,483,808; Feb. 12.
Huismann, Johann, Wiesdorf, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Azodyestuff. 1,483,447; Feb. 12.
Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Weatherstrip for motor-vehicle windshields. 1,483,305; Feb. 12.
Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecter for two-part automobile doors. 1,483,809; Feb. 12.
Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Top for motor vehicles. 1,483,810; Feb. 12.
Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecter for two-part automobile doors. 1,483,811; Feb. 12.
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Suction burner. 1,483,178; Feb. 12.
Hunt, John H., and J. T. Fitzsimmons, assignors to The Dayton Engineering Laboratories Company, Dayton, Ohio. Suction burner. 1,483,177; Feb. 12.
Hutchins, Rufus J., Middletown, Ohio. Water heater. 1,483,090; Feb. 12.
Hydraulic Pressed Steel Company, The. (See Foster, H. J., Gruenfeldt, and Brainard, assignors.)
Imbium, Leo, Pueblo, Colo. Storage-battery casing. 1,483,091; Feb. 12.
International Nitrogen Co. (See Reid, James H., assignor.)
International Silver Company. (See Geib, William, assignor.)
Isakson, Edwin A., McKeesport, Pa. Piston packing. 1,483,812; Feb. 12.
Isted, Albert E., London, England. Domestic device for winding and holding wool. 1,483,729; Feb. 12.
Jackson, Harlie S., Philadelphia, Pa. Rocking means for baby carriages. 1,483,813; Feb. 12.
Jacobs, Grant, Des Moines, Iowa. Piston ring. 1,483,582; Feb. 12.
Jacobs, Hannah, Brooklyn, N. Y. Tube for permanent hair waving. 1,483,583; Feb. 12.
Jacobson, Edwin. (See Miller, Joseph B., assignor.)
Jaeger, Edmond, Paris, France. Indicating device for average speeds. 1,483,448; Feb. 12.
Jaeger, G. & J., Kommanditgesellschaft. (See Flesch, Leo, assignor.)
Jahn-Fenlon Co. (See Fenlon, Charles E., assignor.)
Jamar, Mitchell F., Duluth, Minn. Testing and display device. 1,483,662; Feb. 12.
Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Means for controlling electrical transmission. 1,483,179; Feb. 12.
Johns-Manville, Incorporated. (See Wells, William S., assignor.)
Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stock-fitting machine. 1,483,093; Feb. 12.
Johnson, Alphonzo G., Cardenas, N. C. Bathing cap with goggles. 1,483,226; Feb. 12.
Johnson, Bernays, Newark, N. J., assignor to Westinghouse Lamp Company. Electric lamp for projection apparatus. 1,483,449; Feb. 12.
Johnson, William, Green Point, Long Island, N. Y. Combination sink hanger and outlet fixture. 1,483,663; Feb. 12.
Jones, Griffin W., Toronto, Ontario, Canada. Sponge mounting for finger moisteners. 1,483,094; Feb. 12.
Jones, Oscar V. (See Voorhies, F. E., and Jones.)
Julin, Axel T., and O. E. Fröding, Eskilstuna, assignors to Aktiebolaget Separator, Stockholm, Sweden. Adjustable reflector for lampa and the like. 1,483,306; Feb. 12.
Juruick, Maximilian F., Allentown, Pa. Electric clock. 1,483,814; Feb. 12.
Justinian Caire Company. (See Van Meter, James W., assignor.)
Kaegi-Tremlin, Adolf, Pfaeffikon, Switzerland. Centering device for work or tool holders. 1,483,190; Feb. 12.
Kain, Charles E., Dallas, Tex. Means for collecting mud, foot scrapings, water, and the like deposited on steps. 1,483,095; Feb. 12.
Kammerdiner, James A., Los Angeles, Calif. Rotary jar. Re15,760; Feb. 12.
Karcher Company, The. (See Karcher, Lawrence C., assignor.)
Karcher, Lawrence C., Henderson, Ky., assignor to The Karcher Company, Wilmington, Del. Reverse brake control for automobiles. 1,483,096; Feb. 12.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Steam-chest construction for turbines. 1,483,605; Feb. 12.
Katcher, Morris, Brooklyn, N. Y., and R. McWilliams, Montclair, N. J., assignors to Republic Fireproofing Company, Inc., New York, N. Y. Tile-making machine. 1,483,513; Feb. 12.
Katz, Joseph E. (See Costello, William J., assignor.)
Katzinger, Arthur, assignor to Edward Katzinger Company, Chicago, Ill. Peeling mechanism. 1,483,637; Feb. 12.
Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
Kaufman, Tobias J., assignor to Teck Manufacturing Company, Chicago, Ill. Lavatory fitting. 1,483,850; Feb. 12.
Keirstead, Charles S., Andover, Mass. Suspensory bandage. 1,483,351; Feb. 12.
Keller, William H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Pressure-fluid-actuated tool. 1,483,180; Feb. 12.
Keller, William H., Inc. (See Keller, William H., assignor.)
Keller, William H., Inc. (See Schinkes, Albert, assignor.)
Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
Kempel, John A., Coventry Township, Summit County Ohio. Machine for removing thin rubber articles from forms. 1,483,664; Feb. 12.
Kemper-Thomas Company, The. (See Pelstring, Henry G., assignor.)
Kenney, Edward F., Bethlehem, Pa. Iron and tube making. 1,483,451; Feb. 12.
Kenney, Edward F., Philadelphia, Pa. Making iron and tubes. 1,483,450; Feb. 12.
Kenney, Mary A. (See Gibbons, Richard, assignor.)
Kershaw, Adelaide H., et al., administrators. (See Halkett, William G.)
Kerwin, Thomas J., Chicago, Ill., assignor to Edmunds & Jones Corporation. Electric pull switch. 1,483,584; Feb. 12.
Keyes, James A., New York, N. Y. Labeling machine. 1,483,181; Feb. 12.
Keyes, John J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Molding. 1,483,452; Feb. 12.
Keystone Mfg. Co. (See Swartz, Edward M., assignor.)
Kiefer, Edward, Falls City, Nebr. Automatic cylinder ring. 1,483,352; Feb. 12.
Kiel, Chris, assignor to Deere & Company, Moline, Ill. Tractor hitch. 1,483,514; Feb. 12.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,483,307; Feb. 12.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread trimmer for sewing machines. 1,483,308; Feb. 12.
Kil-Nock Company. (See Rose, John F., assignor.)
Kincheloe, John, Fresno, Calif. Valve. 1,483,585; Feb. 12.
Kirby, Harry C., Macon, Ga. Ignition device for internal-combustion engines. 1,483,730; Feb. 12.
Kirk, Volney E., Los Angeles, Calif. Cuff protector. 1,483,731; Feb. 12.
Kissel Motor Car Company. (See Palmer, H. D., and Brhel, assignors.)
Klasing, Augustus F., Chicago, Ill., assignor to The Klasing Car Brake Company. Brake-operating mechanism. 1,483,665; Feb. 12.
Klasing Car Brake Company, The. (See Klasing, Augustus F., assignor.)
Klein, John F., Wilmington, N. C. Clearer or shield for tractors. 1,483,732; Feb. 12.
Kleinschmidt, Edward E., Brooklyn, N. Y., assignor to Kleinschmidt Electric Company, Inc. Tape recorder. 1,483,353; Feb. 12.
Kleinschmidt Electric Company. (See Kleinschmidt, Edward E., assignor.)
Kline, Edward S., Rochester, N. Y. Locking mechanism for automobile hoods. 1,483,097; Feb. 12.
Kluttz, George S. (See Gibson, William H. and A. M., and Kluttz.)
Knoderer, Homer G., Englewood, N. J., assignor to General Electric Company. Outlet box. 1,483,453; Feb. 12.
Kohlhass, Otto H., Calumet, Mich. Planting and marking machine. 1,483,815; Feb. 12.
Kohlmeyer, August H., Detroit, Mich. Combined water heater and steam generator. 1,483,227; Feb. 12.
Kohnstamm, H., & Co. (See Phair, Robert A., assignor.)
Kopper, Frederick, jr., Washington, D. C. Gas-engine muffler. 1,483,354; Feb. 12.
Kovarik, Edward C., New York, N. Y. Umbrella rack. 1,483,666; Feb. 12.
Kozelek, Louis, Schenectady, N. Y. Treating wood for the manufacture of musical instruments. 1,483,733; Feb. 12.
Kraft, Henry P., Ridgewood, N. J. Pipe coupling. 1,483,454; Feb. 12.
Kraft, Henry P., Ridgewood, N. J. Pipe coupling. 1,483,455; Feb. 12.
Kramer, William J., assignor of one-half to I. W. Hendricks, St. Louis, Mo. Traffic signal for automobiles and the like. 1,483,734; Feb. 12.
Kraska, Paul C., Amery, Wis. Pea separator and grader. 1,483,092; Feb. 12.
Kraus, Jules H. (See Schwartz, Chester L., assignor.)
Kridler, Bernie C., and J. C. Boyle, Flint, Mich. Constructing roofs. 1,483,735; Feb. 12.
Kritikson Bros., Inc. (See Peters, Stanley E., assignor.)
Krohn, John, Chicago, Ill. Differential gearing. 1,483,606; Feb. 12.
Kroon, Jacobus P. H., Amsterdam, Netherlands. Cracking device. 1,483,456; Feb. 14.
Kruesheld, Henry, Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Stand for traveler's iron. 1,483,457; Feb. 12.

Krumpeck, Alexander J. (See Ramig, A. R., Shafer, and Krumpeck.)
Krummer, Arthur H., assignor to The Ross Gear and Tool Company, La Fayette, Ind. Steering gear. 1,483,458; Feb. 12.
Kupsche, Alexander B., Chicago, Ill. Lamp. 1,483,355; Feb. 12.
Kylar, Marie, Camden, N. J. Washtub. 1,483,816; Feb. 12.
Labbee, Joseph, jr. (See Heath, Laurence R., assignor.)
Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Six-wheel railway-car truck. 1,483,638; Feb. 12.
Landreth, Clarence P., and W. H. MacVaugh, Philadelphia, Pa.; said MacVaugh assignor to Salt Dandreth. Sewage-screening apparatus. 1,483,667; Feb. 12.
Landry, Adolphus H., Townsend, Mass. Gear wheel. 1,483,817; Feb. 12.
Lane, Horatio C., Whitehall, N. Y. Formation and storage of ice. 1,483,459; Feb. 12.
Langdale, Rupert H., Cincinnati, Ohio. Resilient wheel. 1,483,191; Feb. 12.
Lange, Stanley A. (See Choinski, Bruno B., assignor.)
Langgons, George, Brooklyn, N. Y. Elastic belt. 1,483,192; Feb. 12.
Larsen, Mads M., assignor of one-fourth to M. A. Bausch, Colton, Calif. Collapsible camp table. 1,483,736; Feb. 12.
Larson, Peter E., Orfordville, Wis. Snow remover. 1,483,586; Feb. 12.
La Rue, John B., and S. W. Scofield, Cleveland, Ohio; said La Rue assignor to said Scofield. Separating the constituents of mineral silicates. 1,483,627; Feb. 12.
Lauby, Charles W., Vincennes, Ind. Mine-car coupler. 1,483,628; Feb. 12.
Le Compte, Onesime H., St. Louis, Mo., assignor to Le Compte Standard Automatic Drawbar and Connector Company, Denver, Colo. Combined automatic car and train-line coupling. 1,483,356; Feb. 12.
Le Compte Standard Automatic Drawbar and Connector Company. (See Le Compte, Onesime H., assignor.)
Leep, R. V., et al. (See Dyer, Elbert, assignor.)
Leers, Frank A., Bogota, N. J. Vault light. 1,483,182; Feb. 12.
Leguilion, Charles W., Akron, Ohio. Loop. 1,483,357; Feb. 12.
Leibowitz, Meyer F. (See Ruttenberg, S., and Leibowitz.)
Leszkowicz, Adolf, Binghamton, N. Y. Shoe-heating device. 1,483,791; Feb. 12.
Levy, Arthur B. (See Singer, J. B., and Levy.)
Lewis, Lloyd V., Edgewood Borough, and F. H. Nicholson, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,483,358; Feb. 12.
Library Bureau. (See Olmstrand, Enoch, assignor.)
Liedtke, Horst, Berlin-Schoneberg, Germany. Folding stretcher. 1,483,607; Feb. 12.
Lilienfeld, Leon, Vienna, Austria. Making highly etherified ethers of cellulosic bodies. 1,483,738; Feb. 12.
Linaker, Frederick W., and T. M. Brubaker, Dubois, Pa. Combined tube system and cleaner. 1,483,460; Feb. 12.
Lincoln, Ellis S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,483,608; Feb. 12.
Lincoln, Ellis S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,483,609; Feb. 12.
Lind, Frederick A., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning arrester. 1,483,548; Feb. 12.
Lindberg, Alfred E., Worcester, Mass. Sliding scooter. 1,483,183; Feb. 12.
Lippen, Jonathan K., assignor to Postum Cereal Company, Incorporated, Battle Creek, Mich. Cereal flakes and making same. 1,483,515; Feb. 12.
Little, Lucius F., Owensboro, Ky. Method of and apparatus for treating organic substances. 1,483,668; Feb. 12.
Littleton, Jesse T., jr., assignor to Corning Glass Works, Corning, N. Y. Heat treatment of glass articles. 1,483,461; Feb. 12.
Lloyd, William E., Lorain, Ohio. Bushing extractor. 1,483,818; Feb. 12.
Locke, Sylvanus D., Bridgeport, Conn. Combined ash tray, receiver, and stand. Des. 63,949; Feb. 12.
Loecher, Fred E., et al. (See Fisher, Charles, assignor.)
Loesser, Ernest W., Belleville, N. J. Compact holder for vanity cases. 1,483,639; Feb. 12.
Lonaberger, Robert F., and C. F. Sands, Reading, Pa., assignors to L. A. Unger, trustee. Liquid-fuel vaporizer for internal-combustion engines. 1,483,819; Feb. 12.
Lough, Hector W., Hartford, Conn., assignor to The Hartford Rubber Works Company. Portable mold-closing press. 1,483,359; Feb. 12.
Lundgren, Harry G., assignor to Automatic Electrical Machine Co., Inc., Oakland, Calif. Automatic time clock. 1,483,820; Feb. 12.
Lundstrom, Carl G., Cleveland, Ohio. Tire tread. Des. 63,950; Feb. 12.
Lytle, Walter S., Philadelphia, Pa. Telegraphic instrument. 1,483,469; Feb. 12.
MacDowell, Andrew S., Rochester, N. Y. Copyholder. 1,483,101; Feb. 12.
Maclachlan, Angus, Perth Amboy, N. J., assignor to Maclachlan Reduction Process Co., Inc., New York, N. Y. Deodorising apparatus. 1,483,229; Feb. 12.
Maclachlan Reduction Process Co. (See Maclachlan, Angus, assignor.)
MacMillan, John R., La Salle, assignor to Electro Bleaching Gas Company, New York, N. Y. Making bleaching liquor and apparatus therefor. 1,483,463; Feb. 12.
MacVaugh, Walter H. (See Landreth, C. P., and MacVaugh.)
Magnuson, Gunnar F. (See Reinman, E. L., and Magnuson.)
Magrady, Joseph J., Chicago, Ill. Nose iron for scales. 1,483,464; Feb. 12.
Maimin, Hyman, New York, N. Y. Motor-driving unit for sewing machines. 1,483,103; Feb. 12.
Mains, Gerald H., Detroit, Mich., dedicated, by mesne assignments, to the citizens of the United States. Varnish and paint removing composition and using the same. 1,483,587; Feb. 12.
Malleable Iron Fittings Company. (See Brandriff, Daniel, assignor.)
Malloy, James T. (See Williams, R. E., and Malloy.)
Mann, Leslie L., Cleveland, Ohio. Collar button. 1,483,363; Feb. 12.
Manning, George E., Philadelphia, Pa. Glare shield. 1,483,640; Feb. 12.
Manson, Arthur D., Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Burnishing tool. 1,483,098; Feb. 12.
Maples, Hubbard E., Jackson, Tenn. Spring removing and applying tool. 1,483,821; Feb. 12.
Marchant, Rodney H., Oakland, Calif. Toy animal. Des. 63,951; Feb. 12.
Marinsky, Davis, New York, N. Y. Fastener tape. 1,483,230; Feb. 12.
Marker, Andrew, Boise, Idaho. Hide stretcher. 1,483,822; Feb. 12.
Marks, Paul J., Rochester, N. Y. Photographic shutter. 1,483,465; Feb. 12.
Marotta, Gabriel, Seattle, Wash. Statuette. Des. 63,952; Feb. 12.
Marquette Tool & Manufacturing Company. (See Strand, David, assignor.)
Marrs, Queene E., Killeen, Tex. Combined thimble and thread cutter. 1,483,823; Feb. 12.
Martens, William, Ackley, Iowa. Porous filter. 1,483,364; Feb. 12.
Martin, Charles H., assignor of one-half to A. Frediani, Los Angeles, Calif. Ventilated printing-press roller. 1,483,671; Feb. 12.
Martin, Frank C., Plattsmouth, Nebr. Fluid transmission. 1,483,824; Feb. 12.
Martin, Frederic, Columbus, Ohio. Corn-husking tool. 1,483,193; Feb. 12.
Martin, Roy V., Oakland, Calif. Transmission for motor vehicles. 1,483,099; Feb. 12.
Martinez, Albert A., New Orleans, La. Sheet piling. 1,483,825; Feb. 12.
Marx, Karl, Dessau, assignor to the Firm Tetralin Gesellschaft mit beschränkter Haftung, Berlin, Germany. Turpentine substitute. 1,483,739; Feb. 12.
Massey-Harris Company. (See Thompson, Herbert, assignor.)
Master Tire & Rubber Company, The. (See Black, Joseph J., assignor.)
Mathison, Carl J., Belmont, Mont. Tool for compressing piston rings. 1,483,826; Feb. 12.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collector support. 1,483,610; Feb. 12.
Matthes, William F., Faribault, Minn. Storm and screen sash hanger. 1,483,367; Feb. 12.
Maurer, Conrad B. and H. P., Philadelphia, Pa. Scenery-forming paper and preparing same. 1,483,466; Feb. 12.
Maurer, Howard P. (See Maurer, Conrad B. and H. P.)
Maynard, Albert A., assignor to Stewart Motor Corporation, Buffalo, N. Y. Power take-off-controlling mechanism for automobiles. 1,483,231; Feb. 12.
Mazer, Jacob, Pittsburgh, Pa. Sound-absorbing method and material. 1,483,365; Feb. 12.
Mazer, Jacob, Philadelphia, Pa. Sound-absorbing method and material. 1,483,366; Feb. 12.
McArthur, Clarence M., Detroit, Mich. Spray device. 1,483,360; Feb. 12.
McBride, Jesse E., Highland Park, assignor to Palmer-Bee Company, Detroit, Mich. Conveyer. 1,483,100; Feb. 12.
McCargar, Joseph R., assignor to Stow & Davis Furniture Company, Grand Rapids, Mich. Desk. Des. 63,953; Feb. 12.
McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Buttonhole and making the same. 1,483,184; Feb. 12.
McCann, Michael, Glenmore, N. Y., assignor to Frederick Osann Company. Power-transmitting mechanism. 1,483,462; Feb. 12.
McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Pull-off mechanism for buttonhole-sewing machines. 1,483,185; Feb. 12.
McCarthy, James P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Impregnation of waste with lubricating oil. 1,483,362; Feb. 12.
McCarthy, James P., Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio. Reclaiming waste. 1,483,361; Feb. 12.

McCommins, James W., San Diego, Calif. Vending machine. 1,483,509; Feb. 12.
McConnell, George C., Massillon, Ohio, assignor to Fidelity Tire & Rubber Co. Tire tread. Des. 63,954; Feb. 12.
McCulloch, Charles A. (See Ripken, Hugo F., assignor.)
McCullough, James A., Fresno, Calif. Dust separator. 1,483,228; Feb. 12.
McCune, Harry M., Kenmore, Ohio. Nonskid device. 1,483,102; Feb. 12.
McDonald, James L. (See Ermilio, Dominick J., assignor.)
McGill Manufacturing Company. (See Despard, Victor R., assignor.)
McGill Manufacturing Company. (See Gordon, David D., assignor.)
McKee, Ralph J., and F. Stoneberg, assignors to Zim Manufacturing Co., Chicago, Ill. Gear drift and bushing therefor. 1,483,670; Feb. 12.
McIlwrath, David, Newcastle, Ind. Damper attachment for pianos. 1,483,104; Feb. 12.
McIntosh, John D., Vancouver, British Columbia, Canada. Wire-rope-connecting means. 1,483,516; Feb. 12.
McIntosh, William J. et al. (See Montgomery, James R., assignor.)
McNiel, Kenneth H. (See Morris, Albert W., assignor.)
McWilliams, Rowland. (See Katcher, M., and McWilliams.)
Meden, Elof H., Short Hills, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J. Cutting blowpipe. 1,483,467; Feb. 12.
Mehta, Vaikunth P., assignor to D. Rai, New York, N. Y. Manufacture of resins. 1,483,368; Feb. 12.
Meitner, Elemer. (See Sperry, E. A., and Meitner.)
Merck & Co. (See Engels, William H., assignor.)
Meyer, Albert P., assignor to Allen S. Davison Company, Pittsburgh, Pa. Basic refractory and making same. 1,483,468; Feb. 12.
Meyer, Albert P., assignor to Allen S. Davison Company, Pittsburgh, Pa. Basic refractory and making same. 1,483,469; Feb. 12.
Meyers, Anthony, and H. Simmons, New York, N. Y. Electric-light-stand [illegible] 1,483,5[illegible]; Feb. [illegible]
Michaelis, Peter J., Kievenville, Wis. Hayrack or body supporting cleat for wagons and sleighs. 1,483,589; Feb. 12.
Michelin, Jules H., New Brunswick, N. J. Automobile tire. Des. 63,955; Feb. 12.
Michetti, Giorgio, Rome, Italy. Cinematographic apparatus. 1,483,105; Feb. 12.
Michigan Steel Tube Products Co. (See Berg, Richard O., assignor.)
Mielke, Frank E., Shawano, Wis. Chart. 1,483,106; Feb. 12.
Mikkola, Aate. (See Toelcke, K. L., Mikkola, and Shapiro.)
Miller, Frank J., Wichita Falls, Tex., assignor, by mesne assignments, to L. E. Trout, Oklahoma City, Okla. Reciprocating pump. 1,483,369; Feb. 12.
Miller, Frank J., Wichita Falls, Tex., assignor, by mesne assignments, to L. E. Trout, Oklahoma City, Okla. Pump. 1,483,370; Feb. 12.
Miller, Jesse P., assignor of one-half to J. H. Thatcher, Houma, La. Hydraulic expander for well drills and the like. 1,483,611; Feb. 12.
Miller, Joseph B., assignor of one-half to E. Jacobson, Portland, Oreg. Hydraulic mineral separator. 1,483,371; Feb. 12.
Miller-Peacock, Walter, San Francisco, Calif. Ventilating device. 1,483,232; Feb. 12.
Miller Saw-Trimmer Company. (See Smith, Walter H., assignor.)
Miller, William E., Gormainia, W. Va. Steel crosstie. 1,483,827; Feb. 12.
Mills Novelty Company. (See Sandell, Henry K., assignor.)
Millspaugh, William H., Sandusky, Ohio. Reenforced sand core and making same. 1,483,372; Feb. 12.
Miner, William H. (See Curtis, G. V., and Miner.)
Miner, William H. (See O'Connor, John F., assignor.)
Miner, William H. (See Williams, Keith, assignor.)
Minevitch, Joseph R., assignor to Dicks, David & Heller Co., New York, N. Y. Preparing tripbenylmethane dyes. 1,483,233; Feb. 12.
Minge, Einar, Chicago, Ill. Combination inlet valve and priming cup. 1,483,186; Feb. 12.
Mitsubishi Kogyo Kabushiki Kaisha. (See Anjow, Koji, assignor.)
Moettell, Arnold, Oberwinterthur, Switzerland. Container for the dry cooling of coke. 1,483,187; Feb. 12.
Moffett, Henry C., Hanford, assignor of one-third to J. L. Moffett, Visalia, and one-third to H. V. Brenton, Hanford, Calif. Automobile camp tent. 1,483,741; Feb. 12.
Moffett, J. L., et al. (See Moffett, Henry C., assignor.)
Moltrum, Nicholas A., Chicago Heights, Ill. Attachment for hair clippers. 1,483,310; Feb. 12.
Monroe, Will K., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Retriever for ropes and like articles. 1,483,828; Feb. 12.
Montabone, Adolph J. F., Montreal, Quebec, Canada, assignor to General Electric Company. Equalising speeds of motor drives. 1,483,470; Feb. 12.
Montgomery, Claude K., and C. R. Tromley, Detroit, Mich. Disk wheel. 1,483,641; Feb. 12.
Montgomery, James R., assignor of one-fourth to T. F. Golden and one-fourth to W. J. McIntosh, Butte, Mont. Disk wheel. 1,483,740; Feb. 12.
Moore, Arthur T., Batavia, N. Y. Box-making machine. 1,483,829; Feb. 12.
Moore, Norman Y., Delanco, N. J. Oil filter. 1,483,830; Feb. 12.
Moore, Wilson M., Ontario, Calif. Dishwashing cabinet. 1,483,234; Feb. 12.
Morang, Joseph, Chicago, Ill. Game. 1,483,590; Feb. 12.
Morgan, Edmund C., deceased, Chicago, Ill.; O. E. Morgan, executrix. Mining apparatus. 1,483,649; Feb. 12.
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morris, Albert W., Springfield, Mass., assignor to K. W. McNeil, Bridgeport, Conn. Casting machine. 1,483,550; Feb. 12.
Morse Instrument Company. (See Morse, Robert V., assignor.)
Morse, Robert V., assignor to Morse Instrument Company, Inc., Ithaca, N. Y. System for transmitting settings. 1,483,235; Feb. 12.
Morse, William J., Attleboro, Mass. Belt buckle. 1,483,236; Feb. 12.
Morton, Harry D., New York, N. Y. Apparatus for welding and operating the same. 1,483,612; Feb. 12.
Mosher, Clifford C., Lima, Ohio. Adjustable blade for mixing machines. 1,483,551; Feb. 12.
Moss, Albert C., New York, N. Y. Floating toy. 1,483,672; Feb. 12.
Moulton, Albion, assignor to The Allen Iron & Steel Company, Philadelphia, Pa. Line tapper. 1,483,237; Feb. 12.
Murphy, William B., Weehawken, N. J., assignor to Defiance Button Machine Co., New York, N. Y. Separable fastener. 1,483,188; Feb. 12.
Murray, Lee, assignor to Durkee-Atwood Company, Minneapolis, Minn. Fan belt. 1,483,591; Feb. 12.
Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Company, Inc. Safety device for vacuum tubes. 1,483,642; Feb. 12.
Naamlooze Vennootschap Industrieele Maatschappij, voorheen Noury & Van Der Lande. (See Gelissen, Henri C. J. H., assignor.)
Napoli, Frank. (See Centrone, Rocco, assignor.)
Narrow Fabric Company, The. (See Walbrecker, Ernest, assignor.)
Nash, Archie L. and W. P., East Spencer, N. C. Oil-level tester for crank cases. 1,483,517; Feb. 12.
Nash, William P. (See Nash, Archie L. and W. P.)
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National Bread Wrapping Machine Company. (Sevigne, H. A., and Arnold, assignors.)
National Manufacturing Company, The. (See Schoenwetter, Reinhold D., assignor.)
National Tire & Rubber Company. (See Wheeler, Charles H., assignor.)
Naugle, Jacob R., Carlisle, Pa. Tool for operating upon insoles used in boots and shoes. 1,483,471; Feb. 12.
Neal, Burton, St. Louis, and G. H. Hebebrand, Kinloch, Mo. Agitator for use in bleaching flour. 1,483,107; Feb. 12.
Ness, Magnus E., Stevinson, Calif. Tractor attachment. 1,483,238; Feb. 12.
Nicholson, Frank H. (See Lewis, L. V., and Nicholson.)
Nicol, John S., Putney, London, assignor to William Douglas & Sons, Limited, London, England. Method and means for the treatment of fats and oils. 1,483,742; Feb. 12.
Nieberding, Frank A., assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 63,956; Feb. 12.
Nieberding, Frank A., assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 63,957; Feb. 12.
Nieberding, Frank A., assignor to The Guardian Gas Appliance Company, Cleveland, Ohio. Heater. Des. 63,958; Feb. 12.
Nitrogen Corporation, The. (See Clancy, John C., assignor.)
Norman, William W., Hiram, Ark. Gate and the like. 1,483,239; Feb. 12.
Norton, Charles H., assignor to Norton Company, Worcester, Mass. Grinding machine for forming rolls. 1,483,859; Feb. 12.
Norton Company. (See Norton, Charles H., assignor.)
Norton Company. (See Stean, Jules H., assignor.)
Norton, Frederick H., Hampton, Va. Method and means for determining light intensities. 1,483,472; Feb. 12.
Norton, Frederick H., Hampton, Va. Method and apparatus for determining photographic exposures. 1,483,473; Feb. 12.
O'Brien, John J., Leesburg, Fla. Tool for removing tires. 1,483,831; Feb. 12.
O'Brien, Michael G., Bristol, Conn. Repair plug. 1,483,311; Feb. 12.
O'Brien, William E. (See Becktel, O. H., and O'Brien.)
O'Connell, Edward, Philadelphia, Pa. Spark plug. 1,483,673; Feb. 12.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft rigging. 1,483,108; Feb. 12.
Oesterling, Max, Cleveland, Ohio. Sash lock. 1,483,312; Feb. 12.

Ohio Brass Company, The. (See Lincoln, Ellis S., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Bolt and socket construction. 1,483,474; Feb. 12.
Oil Conservation Engineering Company. (See Brooks, Stephen H., assignor.)
O'Kneel, George W. (See Fisher, Emanuel, assignor.)
Olson, Charles J., Muskegon, Mich., assignor to The Olson Pneumatic Saw and Valve Company, Indianapolis, Ind. Pressure-regulating valve. 1,483,240; Feb. 12.
Olson Pneumatic Saw and Valve Company, The. (See Olson, Charles J., assignor.)
Opderbeck, Emil, Gelsenkirchen, Germany. Method and apparatus for granulating liquid slag. 1,483,241; Feb. 12.
Osann, Frederick, Company. (See McCann, Michael, assignor.)
Ostdiek, Laurence J., Ottumwa, Iowa. Desk. 1,483,832; Feb. 12.
Osterhoudt, Rodney B., Kingston, N. Y. Golf-club bag. 1,483,475; Feb. 12.
Oversewing Machine Company. (See Reavis, W. E., and Frey, assignors.)
Owen, Newton C., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa. Method and apparatus for cleaning railway ballast. 1,483,674; Feb. 12.
Owen, Ole A., Detroit, Mich. Motion-picture film. 1,483,109; Feb. 12.
Owen-Pennsylvania Corporation. (See Owen, Newton C., assignor.)
Owensboro Ditcher & Grader Company. (See Steele, William A., assignor.)
Page, Frank H., Waverly, Iowa. Soil pulverizer. 1,483,743; Feb. 12.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 63,959; Feb. 12.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 63,960; Feb. 12.
Palmer-Bee Company. (See McBride, Jesse M., assignor).
Palmer, Herman D., and J. W. Brhel, assignors to The Kissel Motor Car Company, Hartford, Wis. Apparatus for measuring materials in concrete construction. 1,483,643; Feb. 12.
Parker, Fred J., assignor of two-fifths to T. F. Acheson, Yorkton, Saskatchewan, Canada. Toothbrush. 1,483,476; Feb. 12.
Parkersburg Rig & Reel Company, The. (See Bloss, R. R., and Schwemlein, assignors.)
Patheal, Herschel P., Greenville, Ill. Extension-wheel-rim connecter. 1,483,477; Feb. 12.
Payne, Matt, London, England. Means for coupling vehicles. 1,483,613; Feb. 12.
Peacock, Henry L., Dallas, Tex. Earring. Des. 63,961; Feb. 12.
Pearce, Jesse C., Sullivan, assignor of one-half to H. A. Frederick, Kirksville, Ill. Level. 1,483,242; Feb. 12.
Pearce, Oscar, and I. Bales, Houston, Tex. Pipe wrench. 1,483,110; Feb. 12.
Pearson, Carl F., Chicago, Ill. Pump. 1,483,189; Feb. 12.
Peck, William W., Muncie, Ind. Speed change and reverse gearing. 1,483,373; Feb. 12.
Pelstring, Henry G., Covington, Ky., assignor, by mesne assignments, to The Kemper-Thomas Company, Norwood, Ohio. Match-box holder. 1,483,592; Feb. 12.
Penberthy Injector Company. (See Yoder, Howard D., assignor.)
Penwell, Lewis, Chicago, Ill., assignor, by mesne assignments, to Refrigerator Car Equipment Company. Refrigerating system. 1,483,593; Feb. 12.
Pepper, Frederick V., Los Angeles, Calif. Tire valve. 1,483,374; Feb. 12.
Perin, Charles P. (See Eustis, Frederic A., assignor.)
Perkins, Louis J., Lewiston, Idaho. Wheel. 1,483,478; Feb. 12.
Permutit Company, The. (See Tiger, Howard L., assignor.)
Perry, Charles T., Staten Island, N. Y., assignor to General Electric Company. Trolley-sleet cutter. 1,483,518; Feb. 12.
Perry, Eugene R., Everett, Mass., assignor to The William Bayley Co., Springfield, Ohio. Wall strip for window frames. 1,483,851; Feb. 12.
Peters, Frederick W., et al. (See Thiemer, William H., assignor.)
Peters, Guy M., trustee. (See Hough, Earl B., assignor.)
Peters, Stanley E., assignor, by mesne assignments, to Kritikson Bros. Inc., Chicago, Ill. Feed bar for fountain pens. 1,483,675; Feb. 12.
Petersen, Frederick C., Los Angeles, Calif. Fruit parer. 1,483,676; Feb. 12.
Petersen, Henry C., Ste. Genevieve, Mo. Evaporating apparatus. 1,483,194; Feb. 12.
Peterson, Henning E., Duluth, Minn. Perforator for printing presses. 1,483,677; Feb. 12.
Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Grading machine. 1,483,594; Feb. 12.
Phair, Robert A., Allendale, N. J., assignor, by mesne assignments, to H. Kohnstamm & Co., Inc. Souring composition and method. 1,483,519; Feb. 12.
Phillips, Theodore, Washington, D. C. Overwinding preventer for spring motors. 1,483,744; Feb. 12.
Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Protective means for condenser installations. 1,483,552; Feb. 12.
Pierce, Joseph R. (See Barth, C. J., and Pierce.)
Pinkerton, Edward E., assignor of one-half to J. R. H. Potts, Chicago, Ill. Display box. 1,483,195; Feb. 12.
Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Platschick, Benvenuto, Paris, France. Artificial tooth. 1,483,479; Feb. 12.
Pluck, Howard J. (See Pluck, Wilbur L. and H. J.)
Pluck, Wilbur L. and H. J., McGuffey, Ohio. Oil-testing device. 1,483,375; Feb. 12.
Poole, Arthur F., Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,483,553; Feb. 12.
Poole, Arthur F., Kenilworth, Ill., assignor, by mesne assignments, to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,483,678; Feb. 12.
Poole, Arthur F., Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y. Combined typewriting and calculating machine. 1,483,679; Feb. 12.
Poritz, Frederick M., assignor to Star Chandelier Company, Inc., New York, N. Y. Electric canopy. Des. 63,962; Feb. 12.
Poritz, Frederick M., assignor to Star Chandelier Com- Electric-socket cover. Des. 63,963; Feb. 12.
Postum Cereal Company. (See Lippen, Jonathan K., assignor.)
Potter & Buffington Company. (See Weed, Edward L., assignor.)
Potter, Charles W., Rising Sun, Ind. Sanitary spoon and ladle holder. 1,483,833; Feb. 12.
Potts, Joshua R. H. (See Pinkerton, Edward E., assignor.)
Price, Albert M. (See Gronberg, Clarence O., assignor.)
Price, Edgar F., Port Chester, N. Y. Manger for dairy barns. 1,483,376; Feb. 12.
Price Engine Corporation. (See Price, William T., assignor.)
Price, Helen C., executrix. (See Price, William T.)
Price, William T., deceased, by H. C. Price, executrix, Easton, Pa., assignor to Price Engine Corporation, New York, N. Y. Filter. 1,483,111; Feb. 12.
Prince, William H., Minneapolis, Minn. Sanitary wrapper for ice-cream containers. 1,483,196; Feb. 12.
Process Engineers Incorporated. (See De Cew, Judson A., assignor.)
Propson, Carl F., assignor to American Optical Company, Southbridge, Mass. Magnifier. 1,483,745; Feb. 12.
Providence Stock Company. (See Harrison, George D., assignor.)
Purvis, William R. (See Dawson, A. T., Buckham, and Purvis.)
Putterman, Philip, New York, N. Y. Fruit bowl or similar article. Des. 63,964; Feb. 12.
Quigley, John T., assignor to Costmeter Company, Boston, Mass. File. 1,483,834; Feb. 12.
Quigley, Robert, and J. Cunningham, Portage, Pa. Automatic mine-shaft gate. 1,483,243; Feb. 12.
Ral, Dhanpat. (See Mehta, Vaikunth P., assignor.)
Ramage, Alexander S., assignor to Bostaph Engineering Corporation, Detroit, Mich. Preparing chemical products from olefines and olefine-containing mixtures. 1,483,835; Feb. 12.
Ragsdale, Darryl W. (See Ragsdale, Jesse M. and D. W.)
Ragsdale, Jesse M. and D. W., Holden, Mo. Hog chute. 1,483,377; Feb. 12.
Rainsford, Francis F., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Rug. Des. 63,965; Feb. 12.
Ramig, Adolph R., A. G. Shafer, and A. J. Krumpeck, Chicago, Ill.; said Krumpeck assignor to said Ramig and said Shafer. Radiator cap for automobiles. 1,483,520; Feb. 12.
Rasmussen, Laurits T., Council Bluffs, Iowa, assignor of one-half to N. K. Skriver, Omaha, Nebr. Machine for treating tobacco stems. 1,483,244; Feb. 12.
Reach, William F., assignor to A. G. Spalding & Bros., Chicopee, Mass. Golf club. 1,483,614; Feb. 12.
Read, Frederick O. (See Barker, W. G., and Read.)
Read, Linus G., Bridgeport, Conn. Golf-club-gripping device. 1,483,595; Feb. 12.
Reardon, Robert E., Washington, D. C. Shooting-practice dummy gun. 1,483,378; Feb. 12.
Reavis, Winfred E., Los Angeles, and E. E. Frey, Long Beach, Calif., assignors to Oversewing Machine Company. Book-sewing machine. 1,483,521; Feb. 12.
Reece Button Hole Machine Company, The. (See Klewicz, John, assignor.)
Reed, William, Engineering Company. (See Reed, William M., assignor.)
Reed, William M., assignor to William Reed Engineering Company, Louisville, Ky. Air filtering and cleaning device. 1,483,379; Feb. 12.
Reede, Sidney A., New Brighton, N. Y. Musical notation. 1,483,380; Feb. 12.
Refrigerator Car Equipment Company. (See Penwell, Lewis, assignor.)

Reid, James H., Pittsburgh, Pa., assignor to International Nitrogen Co., Cleveland, Ohio. Producing nitrogen-containing compounds. 1,483,197; Feb. 12.
Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-furnace control system. 1,483,480; Feb. 12.
Remillard, Joseph O., assignor of twelve per cent to A. Gorman and fifty per cent to J. A. H. Cameron, trustee, Montreal, Quebec, Canada. Antitheft automobile license and owner's title. 1,483,836; Feb. 12.
Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
Remington Accounting Machine Corporation. (See Poole, Arthur F., assignor.)
Remington, Joseph P., assignor to Remington Manufacturing Company, Philadelphia, Pa. Fuel-supply system. 1,483,596; Feb. 12.
Remington Manufacturing Company. (See Remington, Joseph P., assignor.)
Remington Typewriter Company. (See Barr, John H., assignor.)
Remington Typewriter Company. (See Smith, Charles E., assignor.)
Republic Fireproofing Company. (See Katcher, M., and McWilliams, assignors.)
Revere Rubber Company. (See Gilson, Henry R., assignor.)
Rex Manufacturing Company. (See Hull, Matthew R., assignor.)
Reynolds, John J., Gifford, Ill. Shock absorber. 1,483,481; Feb. 12.
Reynolds, Joseph S., Santa Barbara, Calif. Single and double tandem disk harrow. 1,483,381; Feb. 12.
Rhed, Floyd M., Kansas City, Mo. Delivery wagon. 1,483,112; Feb. 12.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Filling-carrier support for automatic filling-replenishing looms. 1,483,482; Feb. 12.
Ricardo, Harry R., London, England. Power-transmitting mechanism. 1,483,245; Feb. 12.
Rich, Abe, Birmingham, Ala., assignor to Southern Coupon Company. Safety coupon book. 1,483,313; Feb. 12.
Richardson, George, Pittsfield, Mass. Snowplow. 1,483,382; Feb. 12.
Rieser, Gottlieb, et al. (See Fahrni, Otto, assignor.)
Right-of-Way Signal Company. (See Faull, Alfred E., assignor.)
Rimailho, Emile, assignor to the Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Distant-control installation for antiaircraft artillery. 1,483,483; Feb. 12.
Riuman, Erik L. Djursholm, and G. F. Magnuson, Skoghall, near Karlstad, assignors to Aktiebolaget Cellulosa, Stockholm, Sweden. Furnace for dry distillation of waste liquors and similar masses. 1,483,554; Feb. 12.
Ripken, Hugo F., assignor of one-half to C. A. McCulloch, Minneapolis, Minn. Cap for containers. 1,483,680; Feb. 12.
Ritchie, David A., Centralia, Ill. Signaling device for vehicles. 1,483,615; Feb. 12.
Robeson, William A. (See Smith, Ralph H., assignor.)
Robinson, Eddie, and A. F. Abreo, Kansas City, Mo. Waffle-baking iron. Des. 63,966; Feb. 12.
Robinson, Francis W. J., Germiston, Transvaal, South Africa. Shutter for the headlights of motor cars, motor cycles, and other vehicles. 1,483,616; Feb. 12.
Roderick, Charles. (See Whitworth, J., and Roderick.)
Rollins, Le Roy W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-trimming machine. 1,483,113; Feb. 12.
Root, Francis H., Watertown, N. Y. Change-speed power-transmitting mechanism. 1,483,114; Feb. 12.
Root, Fred N., Kalamazoo, Mich. Spring-scraper construction. 1,483,246; Feb. 12.
Rork, Charles E., Douglas, Ariz., and A. Sandberg, New York, N. Y., assignors to W. A. Butchart, Denver, Colo. Impeller for flotation machines. 1,483,115; Feb. 12.
Rose, Henry, deceased, by W. H. Rose, administrator, Gainsborough, England. Wrapping machine. 1,483,681; Feb. 12.
Rose, Jacob, and F. E. Bowne, Montclair, N. J. Mousetrap. 1,483,644; Feb. 12.
Rose, John F., Davenport, Iowa, assignor to Kil-Nock Company. Automatic bearing adjuster. Re15,761; Feb. 12.
Rose, William H., administrator. (See Rose, Henry.)
Rosen, Hyman, New York, N. Y. Button-making machine. 1,483,522; Feb. 12.
Rosenbrook, August C., Madison, Wis. Inlet and exhaust manifold. 1,483,314; Feb. 12.
Rosenstein, Ludwig, San Francisco, Calif., assignor to Great Western Electro Chemical Company. Making zinc chloride. 1,483,852; Feb. 12.
Ross Gear and Tool Company, The. (See Kummer, Arthur H., assignor.)
Ross-Tacony Crucible Company. (See Brockbank, Clarence J., assignor.)
Rossebo, George H. (See Waltman, H. A., and Rossebo.)
Rostron, Joseph A., Boston, Mass. Electromagnetic apparatus. 1,483,682; Feb. 12.
Rothschild, Max, New York, N. Y., assignor to Susquehanna Silk Mills. Textile fabric. Des. 63,967; Feb. 12.
Rowe, William J., Portland, Me., assignor to Westbrook Garage & Machine Company. Snowplow. 1,483,247; Feb. 12.
Ruatti, Joseph B., Los Angeles, Calif. Safety-razor-blade-sharpening device. 1,483,746; Feb. 12.
Rubert, Leigh, Forestburg, S. Dak. Attachment for separators. 1,483,484; Feb. 12.
Rubin, Frederick W., Indianapolis, Ind. Car mover. 1,483,116; Feb. 12.
Ruediger, Ernest H., Bismarck, N. Dak. Bimetallic electric thermoregulator. 1,483,597; Feb. 12.
Ruggles-Cole Engineering Company (See Finch, F. E., and Glomb, assignors.)
Runne, Henry G., assignor to E. M. Trimble, Rochester, N. Y. Caster wheel. 1,483,598; Feb. 12.
Runyan, Geniah B., Kusa, Okla. Meat cutter. 1,483,617; Feb. 12.
Rush, James L., Memphis, Tenn. Poultry feeder. 1,483,683; Feb. 12.
Russell Manufacturing Company, The. (See Fisher, William C., assignor.)
Russell, Zachary E., assignor to C. W. Warren, Sauk Rapids, Minn. Ventilating shade hanger. 1,483,117; Feb. 12.
Ruttenberg, Samuel, and M. F. Leibowitz, New York, N. Y. Current regulator. 1,483,629; Feb. 12.
Rutter, John M., Guildford, England. Range or stove. 1,483,118; Feb. 12.
Ryder, John W., and W. O. Skipper, Enterprise, Ala. Stump puller. 1,483,684; Feb. 12.
Saal, Henry G., Chicago, Ill. Head telephone receiver. 1,483,315; Feb. 12.
Sammis, Walter, Brooklyn, N. Y. Folding match safe. 1,483,747; Feb. 12.
Sandberg, August. (See Bork, C. E., and Sandberg.)
Sandell, Henry K., assignor to Mills Novelty Company, Chicago, Ill. Radio receiving system. 1,483,383; Feb. 12.
Sands, Charles F. (See Lonaberger, R. F., and Sands.)
Sandstrom, Albert H., assignor of one-fourth to P. M. Hall-Lewis and one-fourth to E. W. Hansen, Portland, Oreg. Fireplace lining. 1,483,384; Feb. 12.
Sanford, Francis C., Bridgeport, Conn. Grinding machine. 1,483,748; Feb. 12.
Sanford, Stephen, & Sons, Inc. (See Farrell, John A., assignor.)
Sanford, Stephen, & Sons, Inc. (See Rainsford, Francis F., assignor.)
Sanitary Scale Company. (See Whitworth, J., and Roderick, assignors.)
Saunders, Kenneth H. (See Green, A. G., and Saunders.)
Scharpen, Bertha, Fessenden, N. Dak. Hat. Des. 63,973; Feb. 12.
Scheffler, Siegfried, Rostock, Mecklenburg, Germany. Blower. 1,483,523; Feb. 12.
Schenkein, Samuel M., Lyndhurst, N. J. Bottle stopper. 1,483,119; Feb. 12.
Schinkes, Albert, assignor to William H. Keller, Inc., Grand Haven, Mich. Rotary piston drill. 1,483,198; Feb. 12.
Schinez, Albert, assignor to William H. Keller, Inc., Grand Haven, Mich. Rotary piston drill. 1,483,199; Feb. 12.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. 1,483,599; Feb. 12.
Schneider, Peter F. and R. J., Detroit, Mich. Washing machine. 1,483,838; Feb. 12.
Schneider, Raymond J. (See Schneider, Peter F. and R. J.)
Schoenwetter, Reinhold D., assignor, by mesne assignments, to The National Manufacturing Company, Baltimore, Md. Coating machine. 1,483,120; Feb. 12.
Schoenwetter, Reinhold D., assignor to National Manufacturing Company, Baltimore, Md. Conveyer mechanism. 1,483,121; Feb. 12.
Schoyen, Oscar, Minneapolis, Minn. Detachable cross chain. 1,483,385; Feb. 12.
Schroeder, Anthony, assignor of one-half to J. M. Finney, Cleveland, Ohio. Bung for metal containers. 1,483,122; Feb. 12.
Schroeder, William, jr., Brooklyn, N. Y. Industrial truck. 1,483,600; Feb. 12.
Schultz, Henry F., Fairmont, Minn. Elevating means for hovers. 1,483,485; Feb. 12.
Schwartz, Chester L., Ithaca, assignor of one-half to J. H. Kraus, Detroit, Mich. Ironer. 1,483,386; Feb. 12.
Schwemlein, William. (See Bloss, R. R., and Schwemlein.)
Schwerd, Francis J., New York, N. Y. Buckle. 1,483,853; Feb. 12.
Scofield, Sherman W. (See Le Rue, J. B., and Scofield.)
Scott, Elizabeth, Westmoreland, Kans. Electric cooker. 1,483,837; Feb. 12.
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Pipe wrench. 1,483,486; Feb. 12.
Scott, Floyd L., Houston, Tex. Roller earth-boring drill cutter. 1,483,487; Feb. 12.
Scott, James L., Melbourne, Victoria, Australia. Mechanism for automatically rewinding the music rolls of player pianos and the like. 1,483,685; Feb. 12.
Scott-Ullman Company. (See Ullman, Albert, assignor.)
Searfoss, Lyman, Ashley, Pa. Tire-chain lever hook. 1,483,686; Feb. 12.

Sears, Claud A., assignor to Chero-Cola Company, Columbus, Ga. Bottle. Des. 63,968; Feb. 12.
Sears, Claud A., assignor to Chero-Cola Company, Columbus, Ga. Bottle. Des. 63,969; Feb. 12.
Sears, Claud A., assignor to Chero-Cola Company, Columbus, Ga. Bottle. Des. 63,970; Feb. 12.
Sears, Claud A., assignor to Chero-Cola Company, Columbus, Ga. Bottle. Des. 63,971; Feb. 12.
Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)
Sebring, Charles L., and E. Brooks, assignors to The Sebring Pottery Company, Sebring, Ohio. Covered dish. Des. 63,972; Feb. 12.
Sebring Pottery Company, The. (See Sebring, Charles L., assignor.)
Secor, Thornton, New York, N. Y. Sign. 1,483,618; Feb. 12.
Seear, Alfred H., Wembley Park, England. Rotating platform. 1,483,749; Feb. 12.
Seelinger, William J., Cleveland, Ohio. Automobile door-check. 1,483,316; Feb. 12.
Serin, Maurice C. H., Paris, France. Chain-saw machine. 1,483,387; Feb. 12.
Sessions, Charles R., San Francisco, Calif. Centrifugal pump. 1,483,645; Feb. 12.
Sevigne, Henri A., Winthrop, Mass., and F. K. Arnold, Nashua, N. H., assignors to National Bread Wrapping Machine Company, Boston, Mass. Web tension mechanism for wrapping machines. 1,483,555; Feb. 12.
Shafer, Adam C. (See Ramig, N. R., Shafer, and Krumpeck.)
Shapiro, Leon. (See Toelcke, K. L., Mikkola, and Shapiro.)
Shepard, John W., Tucson, Ariz. Packing. 1,483,750; Feb. 12.
Shepard, John W., Tuscon, Ariz. Wheel lock. 1,483,687; Feb. 12.
Shepherd, Bruce P., and M. Hotchkiss, Nashville, Tenn. Loose-leaf binder. 1,483,388; Feb. 12.
Sheppard, Monroe. (See Stacy, Albert, assignor.)
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 63,974; Feb. 12.
Shimp, Frederick A., assignor to Skillkrafters Incorporated, Philadelphia, Pa. Ring. Des. 63,975; Feb. 12.
Siegert, Alexander G., Chicago, Ill. Loose-leaf binder. 1,483,123; Feb. 12.
Signode System, Inc. (See Guenther, Arthur G. G., assignor.)
Silvis, Richard S. (See Byers, Theodore, assignor.)
Simmons, Harry. (See Meyers, A., and Simmons.)
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-building machine. 1,483,124; Feb. 12.
Singer, Joseph B., and A. B. Levy, New York, N. Y. Folding display box. 1,483,125; Feb. 12.
Skillkrafters Incorporated. (See Shimp, Frederick A., assignor.)
Skipper, William O. (See Ryder, J. W., and Skipper.)
Skreberg, Hans, Big Bend Township, Chippewa County, Minn. Game. 1,483,488; Feb. 12.
Skriver, Niels P. (See Rasmussen, Laurits T., assignor.)
Skold, John F., Chicago, Ill. Flow meter. 1,483,200; Feb. 12.
Slater, Harvey, assignor to Charles F. Elmes Engineering Works, Chicago, Ill. Press. 1,483,126; Feb. 12.
Slauson, Stephen A., assignor of twenty-five one-hundredths to J. H. Brookman and twenty-five one-hundredths to L. O. Hatch, Cedar Rapids, Iowa. Connecting-rod bolt. 1,483,317; Feb. 12.
Sleeper, Otis H., assignor to P. B. Sleeper, Exeter, N. H. Swivel. 1,483,556; Feb. 12.
Sleeper, Perley B. (See Sleeper, Otis H., assignor.)
Slingland, Leonard, Paterson, N. J. Phonograph record. 1,483,751; Feb. 12.
Smith, Charles E., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,483,201; Feb. 12.
Smith, Charles E., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,483,524; Feb. 12.
Smith, George W., Jr., Riverton, N. J. Internal-combustion engine. 1,483,619; Feb. 12.
Smith, George Z., and E. B. Herbert, Follansbee, W. Va. Feeder for pulverized coal. 1,483,557; Feb. 12.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,483,202; Feb. 12.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,483,525; Feb. 12.
Smith, May R., Brooklyn, N. Y. Doll. Des. 63,976; Feb. 12.
Smith, Percival J. G., Port St. Mary, Isle of Man. Animal trap. 1,483,688; Feb. 12.
Smith, Ralph H., Wilton, assignor to W. A. Robeson, Saratoga Springs, N. Y. Composition for treating coal. 1,483,318; Feb. 12.
Smith, Walter H., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Feeding device. 1,483,526; Feb. 12.
Smith, William C., Cleveland, Ohio. Overdrive for motor vehicles. 1,483,389; Feb. 12.
Smith, William R., Buffalo, N. Y. Tubular tile. 1,483,689; Feb. 12.
Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Valve mechanism. 1,483,390; Feb. 12.
Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Building structure. 1,483,391; Feb. 12.
Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)
Snyder, Elmer L., Sioux City, Iowa. Lamp shade. Des. 63,977; Feb. 12.
Societe Anonyme de Commentry, Fourchambault & Decazeville. (See Girin, Pierre, assignor.)
Societe Chimique des Usines du Rhone. (See Altwegg, Jean, assignor.)
Société des Etablissements Ed. Jaeger. (See Weymann, Charles T., assignor.)
Southern Coupon Company. (See Rich, Abe, assignor.)
Spalding, A. G., & Bros. (See Beach, William F., assignor.)
Spearing, John C., Cleveland, Ohio. Automatic pressure valve for flushing tanks. 1,483,392; Feb. 12.
Specialty Engineering Company. (See Pfeiffer, Charles G., assignor.)
Spedding, Thomas, Welling, England. Brake mechanism for pedal-driven bicycles, tricycles, and like machines. 1,483,690; Feb. 12.
Sperry, Elmer A., and E. Meitner, assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Signaling system for warships. 1,483,489; Feb. 12.
Sperry Gyroscope Company, The. (See Sperry, E. A., and Meitner, assignors.)
Spinola, Charles, Vancouver, British Columbia, Canada. Means for administering an anæsthetic. 1,483,620; Feb. 12.
Sponsel, Charles W., Wethersfield, assignor to The Sponsel Company, Hartford, Conn. Machine for stringing tobacco leaves. 1,483,558; Feb. 12.
Sponsel Company, The. (See Sponsel, Charles W., assignor.)
Stacy, Albert, assignor of one-half to M. Sheppard, Lothair, Ky. Car coupler. 1,483,691; Feb. 12.
Standard Auto Parts Company of America. (See Campbell, Colin J., assignor.)
Standard Manufacturing Company. (See Voorhees, Walter K., assignor.)
Star Chandelier Company. (See Porits, Frederick M., assignor.)
Starc, Mark, Chicago, Ill. Wrench. 1,483,527; Feb. 12.
Starbuck, Ernest, Peoria, Ill. Dancing figure. 1,483,127; Feb. 12.
Starbuck, Ernest, Peoria, Ill. Toy pistol. 1,483,128; Feb. 12.
Stean, Jules H., assignor to Norton Company, Worcester, Mass. Abrasive stone. 1,483,854; Feb. 12.
Steber, Bernard T., Utica, N. Y. Precision jig-boring machine. 1,483,393; Feb. 12.
Steele, William A., assignor to Owensboro Ditcher & Grader Company, Owensboro, Ky. Ditching, grading and levee-builder machine. 1,483,752; Feb. 12.
Stephenson, James E., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Hasp fastener. 1,483,855; Feb. 12.
Stettner, Herman, Hampton, Nebr. Door latch. 1,483,490; Feb. 12.
Stevens, William N., assignor to Gisholt Machine Company, Madison, Wis. Automatic table indexing and locking mechanism. 1,483,203; Feb. 12.
Stewart, Arthur L. (See Gleason, J. E., and Stewart.)
Stewart Motor Corporation. (See Maynard, Albert A., assignor.)
Stewart, Richard W., Auburn, N. Y. Stop for talking machines. 1,483,753; Feb. 12.
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stiefel, William H., Angola, Ind. Coal saver. 1,483,528; Feb. 12.
Stillwell, Frank, Brooklyn, N. Y. Window-glass mounting. 1,483,491; Feb. 12.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,483,492; Feb. 12.
Stockett, John W., Washington, D. C. Line-throwing gun. 1,483,129; Feb. 12.
Stoneberg, Fred. (See McKee, R. J., and Stoneberg.)
Stoneman, Hovey B., Council, Idaho. Safety fuse. 1,483,692; Feb. 12.
Stow & Davis Furniture Company. (See McCargar, Joseph R., assignor.)
Stowe & Woodward Company. (See Adams, Raleigh B., assignor.)
Strand, David, assignor, by mesne assignments, to Marquette Tool & Manufacturing Company, Chicago, Ill. Die cushion. 1,483,204; Feb. 12.
Struthers, William G., Seattle, Wash. Shock absorber. 1,483,693; Feb. 12.
Stukenborg, Frederick W. (See Stukenborg, Louis C., assignor.)
Stukenborg, Louis C., assignor to F. W. Stukenborg, Chicago, Ill. Cotton picker. 1,483,248; Feb. 12.
Stukey, Albert F., East Hollywood, Calif. Breathing corrector. 1,483,694; Feb. 12.
Sturges, Arthur H., Omaha, Nebr. Tubular fire escape. 1,483,249; Feb. 12.
Sturmann, Robert E., Minneapolis, Minn. Valve. 1,483,250; Feb. 12.

Sturt, Alfred T., Flint, Mich., assignor to Durant Motors Incorporated. Transmission-supporting structure. 1,483,695; Feb. 12.
Submarine Signal Company. (See Hayes, Harvey C., assignor.)
Sullivan, Charles E. (See Sweeney, Bernard M., assignor.)
Sullivan, Patrick A., Cincinnati, Ohio. Carbon remover. 1,483,559; Feb. 12.
Susquehanna Silk Mills. (See Bunting, James H., assignor.)
Susquehanna Silk Mills. (See Rothschild, Max, assignor.)
Svensson, Victor A., New York, N. Y., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Machine for grinding rollers having an arc-shaped generatrix. 1,483,754; Feb. 12.
Swaim, Angus A., Sunset, Tex. Vehicle jack. 1,483,251; Feb. 12.
Swanson, Gus W., assignor to The United States Window Glass Company, Morgantown, W. Va. Capping-off device. 1,483,755; Feb. 12.
Swanson, Gus W., assignor to The United States Window Glass Company, Morgantown, W. Va. Capping-off device. 1,483,756; Feb. 12.
Swartz, Edward M., Roxbury, assignor to Keystone Mfg. Co., Boston, Mass. Motion-picture machine. 1,483,319; Feb. 12.
Sweeney, Bernard M., Live Oak, assignor of one-half to C. E. Sullivan, Yuba City, Calif. Fastener-inserting tool. 1,483,394; Feb. 12.
Swendeman, Joseph E., Philadelphia, Pa. Compensator for submarines. 1,483,696; Feb. 12.
Sykes, George W., Vancouver, Wash. Automobile curtain container. 1,483,697; Feb. 12.
Sylvan, Joseph, Chicago, Ill. Bearing support for rotary ventilators, chimney tops, and the like. 1,483,130; Feb. 12.
Syme, James M., assignor to Brown Bag Filling Machine Company, Fitchburg, Mass. Spark plug. 1,483,395; Feb. 12.
Symmes, Whitman, assignor to Thomas Day Company, San Francisco, Calif. Detachable electric fixture. 1,483,252; Feb. 12.
Tabler, John H., Washington, D. C. Towing or pulling device. 1,483,253; Feb. 12.
Tanner, Hermann, Samaden, Switzerland. Device for quickly finding harmonious color combinations. 1,483,529; Feb. 12.
Tauss, Ferdinand, Cleveland Heights, and C. D. Benson, jr., Cleveland, Ohio. Liquid-level gauge. 1,483,131; Feb. 12.
Taylor, Minnie L. (See Harris, L. W., and Taylor.)
Teck Manufacturing Company. (See Kaufman, Tobias J., assignor.)
Terrell, Oliver C., Portland, Oreg. Book and loose-leaf holder. 1,483,396; Feb. 12.
Terry, David, Sacramento, Calif. Unloading apparatus. 1,483,254; Feb. 12.
Tetl, Alexander, Torrington, Conn. Boot. 1,483,530; Feb. 12.
Tetralin Gesellschaft mit beschränkter Haftung. (See Marx, Karl, assignor.)
Thatcher, J. H. (See Miller, Jesse P., assignor.)
Thiemer, William H., Cleveland, Ohio, assignor to F. W. Peters, J. H. Wills, and himself. Universal joint. 1,483,560; Feb. 12.
Thomas, Charles B., assignor of one-half to W. Blanton, Alto, Tex. Automobile rim-securing means. 1,483,698; Feb. 12.
Thomas, Sidney, London, England. Means for adjusting brake shoes used in tramway vehicles and the like. 1,483,531; Feb. 12.
Thompson, George K., New York, N. Y., assignor to Hoyt Metal Company, St. Louis, Mo. Sheet-metal conductor for roofs. 1,483,320; Feb. 12.
Thompson, Herbert F., Houston, Tex. Hand-operated vehicle. 1,483,321; Feb. 12.
Thompson, Herbert, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Driving gear. 1,483,699; Feb. 12.
Thorsell, Lars W., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Hopper mechanism. 1,483,601; Feb. 12.
Tiger, Howard L., assignor to The Permutit Company, New York, N. Y. Hydrometer. 1,483,493; Feb. 12.
Tipping, William V., Marshall, Mo. Monument. Des. 63,978; Feb. 12.
Tobey, Harry W., Pittsfield, Mass., assignor to General Electric Company. Workholding apparatus. 1,483,532; Feb. 12.
Todt, Hartwich D., San Francisco, Calif. Dehydrating apparatus. 1,483,757; Feb. 12.
Toelcke, Karl L., A. Mikkola, and L. Shapiro, Chicago, Ill. Bracelet. 1,483,132; Feb. 12.
Tonge, Frank, Moose Jaw, Saskatchewan, Canada. Lid holder. 1,483,255; Feb. 12.
Toomey, John F., New York, N. Y., and G. Crisson, Hackensack, N. J., assignors to American Telephone and Telegraph Company. Electrical testing system. 1,483,133; Feb. 12.
Torp, Karl, Christiania, Norway. Pulley block. 1,483,758; Feb. 12.
Torrington Company, The. (See Calder, John A., assignor.)
Torrington Company, The. (See Cook, Harmon J., assignor.)
Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Safely-controlled sand cutting and screening machine. 1,483,646; Feb. 12.
Townsend, William S., and F. E. Douglass, Rochester, Pa. Visible display attachment for measuring pumps. 1,483,494; Feb. 12.
Travis, Jerome, Toledo, Ohio. Gas burner. 1,483,322; Feb. 12.
Travis, John M., St. Louis, Mo. Beverage-dispensing apparatus. Des. 63,979; Feb. 12.
Travis, John M., St. Louis, Mo. Beverage-dispensing apparatus. Des. 63,980; Feb. 12.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protection of transmission lines. 1,483,533; Feb. 12.
Trimble, E. Maurice. (See Runne, Henry G., assignor.)
Trimont Manufacturing Company. (See Whitfield, Arthur J., assignor.)
Tromley, Claud R. (See Montgomery, C. K., and Tromley.)
Trout, L. E. (See Miller, Frank J., assignor.)
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Turner, Walter E., Springfield, Ohio. Liquid weigher. 1,483,397; Feb. 12.
U. S. Ball Bearing Company. (See Diesk, J. jr., and Cooper, assignors.)
Ullman, Albert, assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting-fixture unit. Des. 63,981; Feb. 12.
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Ungar, Gustave A., Pelham Manor, assignor to F. R. Blair & Co. Inc., New York, N. Y. Flexible coupling. 1,483,561; Feb. 12.
Unger, Lloyd A., trustee. (See Lonsberger, R. F., and Sands, assignors.)
Union Bag and Paper Corporation. (See Witham, George S., jr., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Switch & Signal Company, The. (See Lewis, L. V., and Nicholson, assignors.)
United Metal Box Co. (See Hammer, Samuel, assignor.)
United Shoe Machinery Corporation. (See Johnson, Albert E., assignor.)
United Shoe Machinery Corporation. (See Manson, Arthur D., assignor.)
United Shoe Machinery Corporation. (See Rollins, Le Roy W., assignor.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United States Window Glass Company, The. (See Swanson, Gus W., assignor.)
V. V. Fittings Company. (See Burns, James F., assignor.)
Valentine, Harry M. et al. (See Cunningham, Edward J., assignor.)
Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Locker lock. 1,483,205; Feb. 12.
Van Meter, James W., San Francisco, Calif., assignor to Justinian Caire Company. Method of and means for chlorinating fluids. 1,483,256; Feb. 12.
Van Noy, George H., Lewistown, Mont. Electric water heater. 1,483,534; Feb. 12.
Van Orsdale, Allen A., Philadelphia, Pa. Vibratory lubricator. 1,483,535; Feb. 12.
Vapor Car Heating Company. (See Bliss, William L., assignor.)
Vasselli, Anthony, Newark, N. J., assignor to General Phonograph Corporation. Speed regulator for talking-machine motors. 1,483,647; Feb. 12.
Vickers Limited. (See Dawson, A. T., Buckham, and Purvis, assignors.)
Vigilant Automatic Fire Alarm Company Limited. (See Dixon, Thomas S., assignor.)
Vlshloff, John, Lundbreck, Alberta, Canada. Wool-combing implement. 1,483,495; Feb. 12.
Voigt, Edmund, Chicago, Ill. Art of a electrotyping. 1,483,621; Feb. 12.
Von Ballueseck, Eugen L., Godesberg-on-the-Rhine, Germany. Ditching machine. 1,483,257; Feb. 12.
Von Bronk, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Antenna arrangement for wireless telegraphy. 1,483,860; Feb. 12.
Voorhees, Walter K., assignor to Standard Manufacturing Company, Cedar Falls, Iowa. Street sign. 1,483,622; Feb. 12.
Voorhies, Felix E., and O. V Jones, Dallas, Tex. Pipe wrench. 1,483,623; Feb. 12.
Waaser, Frank L., Glenbrook, Conn. Combination inkstand and desk-supplies holder. Des. 63,982; Feb. 12.
Wagner, Rudolf E., assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Rotary pressing apparatus. 1,483,562; Feb. 12.
Wagner, William H., assignor to Burlington Blanket Company, Burlington, Wis. Needling machine. 1,483,134; Feb. 12.
Walaschek, Samuel J., New York, N. Y. Combination table and picture album. 1,483,135; Feb. 12.
Walbrecker, Ernest, Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Fabric ribbon. Des. 63,983; Feb. 12.

Walbrecker, Ernest, Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Fabric ribbon. Des. 63,984; Feb. 12.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,483,206; Feb. 12.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Bracket-back for lighting fixtures. Des. 63,985; Feb. 12.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. Y. Loop for lighting fixtures. Des. 63,986; Feb. 12.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Canopy ring for lighting fixtures. Des. 63,987; Feb. 12.
Walker, James P., Columbus, Ohio. Stop hinge. 1,483,624; Feb. 12.
Walsh, John, Prides Crossing, Mass. Composition for paint. 1,483,136; Feb. 12.
Waltman, Homer A., and G. H. Rossebo, assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Pop-corn machine. 1,483,137; Feb. 12.
Waple, Marshall J., Washington, D. C. Discharging device for vending machines. 1,483,700; Feb. 12.
Wappler Electric Company. (See Mutscheller, Arthur, assignor.)
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Clyde W. (See Russell, Zachary E., assignor.)
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Automatic regulator. 1,483,536; Feb. 12.
Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Governing mechanism. 1,483,537; Feb. 12.
Waterbury Farrel Foundry and Machine Company, The. (See Thorsell, Lars W., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Webber, Milton N., Fort Wayne, Ind. Rail joint connection. 1,483,138; Feb. 12.
Weber, Otto, Manteno, Ill. Tire gauge. 1,483,701; Feb. 12.
Weed, Edward L., assignor to Potter & Buffington Company, Providence, R. I. Badge. 1,483,139; Feb. 12.
Weingarten, Oscar, New York, N. Y. Garment lacing. 1,483,702; Feb. 12.
Wells, William A., Bethlehem, Pa., assignor to Johns-Manville, Incorporated. Spring-tension creel. 1,483,563; Feb. 12.
Wertheimer, Milton, Baltimore, Md. False head for cigars. 1,483,140; Feb. 12.
Westbrook Garage & Machine Company. (See Rowe, William J., assignor.)
Western Electric Company. (See Blattner, David G., assignor.)
Western Electric Company. (See Edwards, George D., assignor.)
Western Electric Company. (See Jammer, Jacob S., assignor.)
Western Electric Company. (See Wilbur, Ray S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bastian, Arthur J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eaton, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hall, Arthur J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hoey, Samuel C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Huey, George W., assignor.)
Westinghouse Lamp Company. (See Johnson, Bernays, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keyes, John J., assignor.)
Westinghouse Electric Products Company. (See Kruesheld, Henry, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lind, Frederick A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Wetherbee, Harry L. (See Hayes, J. C., jr., and Wetherbee.)
Wever, Fritz, Stuttgart, Germany. Apparatus for making feather-lined fabrics. 1,483,703; Feb. 12.
Weymann, Charles T., assignor to Société des Etablissements Ed. Jaeger, Paris, France. Zero-setting device for registers. 1,483,496; Feb. 12.
Wheeler, Charles H., assignor to The National Tire & Rubber Company, East Palestine, Ohio. Tire. Des. 63,988; Feb. 12.
White, Charles E., Newport, Wash. Snowplow. 1,483,141; Feb. 12.
Whitehead & Kales Company. (See Whitehead, Thomas C., assignor.)
Whitfield, Arthur J., Boston, assignor to Trimont Manufacturing Company, Roxbury, Mass. Wrench. 1,483,497; Feb. 12.
Whitehead, Thomas C., assignor to Whitehead & Kales Company, River Rouge, Mich. Vehicle wheel. 1,483,398; Feb. 12.
Whiting Corporation. (See Townsend, John S., assignor.)
Whitlock, James G., Richmond, Va. Dredging pump. 1,483,143; Feb. 12.
Whittington, Frederik G., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automobile bumper. 1,483,142; Feb. 12.
Whittington, Frederik G., Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Dash switch. 1,483,399; Feb. 12.
Whitworth, John, and C. Roderick, Woodstock, assignors to Sanitary Scale Company, Chicago, Ill. Shipping crate. 1,483,648; Feb. 12.
Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. Re15,762; Feb. 12.
Wickes, Frederick H., and C. H. Goodman, Roanoke, Va. Liquid-heating device. 1,483,564; Feb. 12.
Wightman & Hough Company. (See Hough, Herbert D., assignor.)
Wilbur, Ray S., Lyndhurst, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,483,400; Feb. 12.
Wilcox, Philip W., Atlanta, Ga. Preventing an edible from adhering to the surface on which it is cooked. 1,483,704; Feb. 12.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Clearing mechanism. 1,483,144; Feb. 12.
Wildason, Frank A., Indianapolis, Ind. Hairpin. 1,483,145; Feb. 12.
Wiley, Samuel, Metuchen, N. J. Firearm. 1,483,146; Feb. 12.
Wilhjelm, Christian, assignor to The Brown Instrument Company, Philadelphia, Pa. Safety device for control instruments. 1,483,207; Feb. 12.
Willman, Edward J., sr., Louisville, Ky. Valve. 1,483,258; Feb. 12.
Wills, J. H., et al. (See Thiemer, William H., assignor.)
Williams, Keith, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Assembling machine. 1,483,147; Feb. 12.
Williams Radio Company, The. (See Williams, R. R., and Malloy, assignors.)
Williams, Ralph R., Detroit, and J. T. Malloy, Richmond, assignors to The Williams Radio Company, Detroit, Mich. Horn. 1,483,759; Feb. 12.
Williams, William O., Redlands, Calif. Overshot water wheel. 1,483,705; Feb. 12.
Wilson, Leon T. (See Gaynor, E. G., and Wilson.)
Winkler, August, Zurich, Switzerland. Safety device for ladders. 1,483,148; Feb. 12.
Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
Witham, George S., jr., Hudson Falls, N. Y., assignor to Union Bag and Paper Corporation. Stock-blending mechanism. 1,483,149; Feb. 12.
Witten, Arthur P., Akron, Ohio. Toy balloon. 1,483,150; Feb. 12.
Wolcott, Frank E., Hartford, Conn. Condiment container. 1,483,401; Feb. 12.
Wolcott, Frank E., Hartford, Conn. Curling iron. 1,483,402; Feb. 12.
Woodward, Alma, New York, N. Y. Garter or armlet. Des. 63,989; Feb. 12.
Wottring, Charles L., Houston, Tex. Stalk cutter. 1,483,403; Feb. 12.
Wozniak, John, Chicago, Ill. Ship's safety cabin. 1,483,404; Feb. 12.
Wyland, William H., Sidney, Ohio. Transmission band. 1,483,959; Feb. 12.
Wyler, Leopold, et al. (See Fahrni, Otto, assignor.)
Yoder, Howard D., assignor to Penberthy Injector Company, Detroit, Mich. Ejector. 1,483,405; Feb. 12.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Band for chandelier fixtures. Des. 63,990; Feb. 12.
Yoshizawa, Ginjiro, San Francisco, Calif. Combined brush and scraper. 1,483,760; Feb. 12.
Young, A. R., Material Company. (See Young, Arthur R., assignor.)
Young, Arthur R., assignor to A. R. Young Material Company, Kansas City, Mo. Method and apparatus for fumigating grain. 1,483,406; Feb. 12.
Youngblood, Wesley T., Port Arthur, Tex. Combined roof square, try square, and bevel square. 1,483,761; Feb. 12.
Ziegler, Alfred M., Newton, Mass. Garment supporter. 1,483,260; Feb. 12.
Ziegler, Alfred M., Newton, Mass. Garment supporter. 1,483,261; Feb. 12.
Ziegler, Alfred M., Newton, Mass. Garment supporter. 1,483,262; Feb. 12.
Zim Manufacturing Co. (See McKee, R. J., and Stoneberg, assignors.)
Zimmerman, Harry C., Washington, D. C. Gun trail. 1,483,151; Feb. 12.
Zolnerevich, Foma, Detroit, Mich. Filtering drinking cup. 1,483,498; Feb. 12.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive stone. J. H. Stean. 1,483,854; Feb. 12.
Accelerator pedals, Guard for. D. G. Christman. 1,483,717; Feb. 12.
Accelerator pedals, Spring attachment for. S. E. Armstrong. 1,483,625; Feb. 12.
Adding machines, Paper carriage for. C. E. Broman. 1,483,330; Feb. 12.
Advertising apparatus. W. G. Barker and F. O. Read. 1,483,269; Feb. 12.
Aircraft bodies, Door for. I. H. Driggs. 1,483,164; Feb. 12.
Air filtering and cleaning device. W. M. Reed. 1,483,379; Feb. 12.
Air humidifier. R. W. Hardie. Re15,766; Feb. 12.
Airplane-receiving apparatus. R. Gibbons. Re15,758; Feb. 12.
Alarm: *See*—
Tire alarm.
Alloy comprising iron, nickel, chromium, molybdenum, New. P. Girin. 1,483,298; Feb. 12.
Alloy flux for soldering aluminum and forming same. W. G. Bolus. 1,483,327; Feb. 12.
Aluminum, Device for soldering. M. S. Corsat. 1,483,337; Feb. 12.
Ammonia synthesis and means for effecting the same. J. C. Clancy. 1,483,411; Feb. 12.
Ammonia synthesis catalyst. J. C. Clancy. 1,483,412; Feb. 12.
Ammonia-synthesis catalysts, Regenerating. J. C. Clancy. 1,483,414; Feb. 12.
Ammonia, Synthetic production of. J. C. Clancy. 1,483,413; Feb. 12.
Amusement device, Electrical. E. M. Goodwin. 1,483,579; Feb. 12.
Anæsthetic, Means for administering an. C. Spinola. 1,483,620; Feb. 12.
Analgesic compound and producing the same. W. H. Engels. 1,483,217; Feb. 12.
Animal trap. P. J. G. Smith. 1,483,688; Feb. 12.
Antiaircraft artillery, Distant-control installation for. E. Rimailho. 1,483,483; Feb. 12.
Apron tie. P. Dilling. 1,483,338; Feb. 12.
Arm rest. L. W. Harris and M. L. Taylor. 1,483,346; Feb. 12.
Ash tray, receiver, and stand, Combined. S. D. Locke. Des. 63,949; Feb. 12.
Assembling machine. K. Williams. 1,483,147; Feb. 12.
Athletic protective pad. H. Goldsmith. 1,483,299; Feb. 12.
Automatic regulator. H. E. Warren. 1,483,536; Feb. 12.
Automobile antitheft device. J. W. Galloway. 1,483,222; Feb. 12.
Automobile bumper. F. G. Whittington. 1,483,142; Feb. 12.
Automobile curtain container. G. W. Sykes. 1,483,697; Feb. 12.
Automobile doorcheck. W. J. Seelinger 1,483,316; Feb 12.
Automobile doors, Connecter for two-part. M. R. Hull. 1,483,809; Feb. 12.
Automobile doors, Connecter for two-part. M. R. Hull. 1,483,811; Feb. 12.
Automobile hood-locking mechanism. E. S. Kline. 1,483,097; Feb. 12.
Automobile jack. T. W. Bibb. 1,483,603; Feb. 12.
Automobile license and owner's title, Antitheft. J. O. Remillard. 1,483,836; Feb. 12.
Automobile radiator cap. A. R. Ramig, A. G. Shafer, and A. J. Krumpeck. 1,483,520; Feb. 12.
Automobile radiators, Condenser for. C. Barnes. 1,483,764; Feb. 12.
Automobile rim-securing means. C. B. Thomas. 1,483,698; Feb. 12.
Automobile ventilator. E. Eggimann. 1,483,290; Feb. 12.
Automobiles and the like, Traffic signal for. W. J. Kramer. 1,483,734; Feb. 12.
Automobiles, Power-take-off-controlling mechanism for. A. A. Maynard. 1,483,231; Feb. 12.
Automobiles, Reverse brake control for. L. C Karcher. 1,483,096; Feb. 12.
Azodyestuff. J. Huismann. 1,483,447; Feb. 12.
Badge. E. L. Weed. 1,483,139; Feb. 12.
Bag: *See*—
Golf-club bag.
Bait, Artificial casting. T. J. Carter. 1,483,842; Feb. 12.
Ball: *See*—
Golf ball.
Bandage, Suspensory. C. S. Keirstead. 1,483,351; Feb. 12.
Barrel, Sheet-metal. H. J. Foster, E. Gruenfeldt, and G. C. Brainard. 1,483,293; Feb. 12.
Bathing cap with goggles. A. G. Johnson. 1,483,226; Feb. 12.
Bearing. L. Flesch. 1,483,170; Feb. 12.
Bearing adjuster, Automatic. J. F. Rose. Re15,761; Feb. 12.
Beet cutter. H. L. Hartburg. 1,483,803; Feb. 12.
Belt, Elastic. G. Langgons. 1,483,192; Feb. 12.
Belt, Fan. R. L. Goodbar. 1,483,578; Feb. 12.
Belt, Fan. L. Murray. 1,483,591; Feb. 12.
Berry-stripping machine. I. Harrison. 1,483,725; Feb. 12.
Beverage-dispensing apparatus. J. M. Travis. Des. 63,979–80; Feb. 12.
Bicycles, tricycles and like machines, Brake mechanism for pedal-driven. T. Spedding. 1,483,690; Feb. 12.
Bill folder. C. C. Cheney. 1,483,279; Feb. 12.
Binder, Loose-leaf. B. P. Shepherd and M. Hotchkiss. 1,483,388; Feb. 12.
Binder, Loose-leaf. A. G. Siegert. 1,483,123; Feb. 12.
Blasting by the use of electricity, Apparatus for. J. H. Bills. 1,483,209; Feb. 12.
Bleaching liquor and apparatus therefor, Making. J. R. MacMillan. 1,483,463; Feb. 12.
Block: *See*—
Pulley block.
Blower. S. Scheffler. 1,483,523; Feb. 12.
Blowpipe, Cutting. E. H. Medén. 1,483,467; Feb. 12.
Boat propeller. J. Alcorn. 1,483,762; Feb. 12.
Boll-weevil exterminator. W. H. and A. M. Gibson and G. S. Kluttz. 1,483,795; Feb. 12.
Bolt and socket construction. E. Ohnstrand. 1,483,474; Feb. 12.
Bolt sleeve. E. C. Coston. 1,483,282; Feb. 12.
Book and looseleaf holder. O. C. Terrell. 1,483,396; Feb. 12.
Book, Safety coupon. A. Rich. 1,483,313; Feb. 12.
Bookmarker. J. W. Harrison. 1,483,347; Feb. 12.
Bookrest. H. G. Farnham. 1,483,421; Feb. 12.
Boot. A. Teti. 1,483,530; Feb. 12.
Boots and shoes, Tool for operating upon insoles used in. J. R. Naugle. 1,483,471; Feb. 12.
Boring machine, Precision jig-. B. T. Steber. 1,483,393; Feb. 12.
Bottle. C. A. Sears. Des. 63,968–71; Feb. 12.
Bottle stopper. S. M. Schenkein. 1,483,119; Feb. 12.
Bowl or similar article, Fruit. P. Putterman. Des. 63,964; Feb. 12.
Box: *See*—
Display box. Outlet box.
Mail box.
Box. J. H. Greenstreet. 1,483,174; Feb. 12.
Box-making machine. A. T. Moore. 1,483,829; Feb. 12.
Box or similar article. W. Geib. Des. 63,941; Feb. 12.
Bracelet. K. L. Toelcke, A. Mikkola, and L. Shapiro. 1,483,132; Feb. 12.
Bracelet clasp. G. D. Harrison. 1,483,802; Feb. 12.
Brake-beam safety means. W. C. Hedgcock. 1,483,633; Feb. 12.
Brake-operating mechanism. A. F. Klasing. 1,483,665; Feb. 12.
Breathing corrector. A. F. Stukey. 1,483,694; Feb. 12.
Brush and scraper, Combined. G. Yoshizawa. 1,483,760; Feb. 12.
Bucket, Grab. S. E. Atherton. 1,483,707; Feb. 12.
Buckle. F. J. Schwerd. 1,483,853; Feb. 12.
Buckle, Belt. W. J. Morse. 1,483,236; Feb. 12.
Buckle frame, Belt. L. W. Shields. Des. 63,974; Feb. 12.
Building structure. B. S. Snow. 1,483,391; Feb. 12.
Bung for metal containers. A. Schroeder. 1,483,122; Feb. 12.
Burner. *See*—
Gas burner. Suction burner.
Burner. F. Bormann. 1,483,712; Feb. 12.
Burnishing tool. A. D. Manson. 1,483,098; Feb. 12.
Bushing extractor. W. E. Lloyd. 1,483,818; Feb. 12.
Button, Collar. L. L. Mann. 1,483,363; Feb. 12.
Button-making machine. H. Rosen. 1,483,522; Feb. 12.
Buttons, badges, or the like, Manufacture of. C. F. Gaunt. 1,483,223; Feb. 12.

Buttonhole and making the same. M. McCann. 1,481,384; Feb. 12.
Calculating machine. F. A. Hart. 1,483,580; Feb. 12.
Calculating machine. A. F. Poole. 1,483,553; Feb. 12.
Calculating machine. A. F. Poole. 1,483,678; Feb. 12.
Camp table, Collapsible. M. M. Larsen. 1,483,736; Feb. 12.
Can opener. S. J. Hall. 1,483,661; Feb. 12.
Canopy, Electric. F. M. Poritz. Des. 63,962; Feb. 12.
Capping-off device. G. W. Swanson. 1,483,755–6; Feb. 12.
Car and train-line coupling, Combined automatic. O. H. Le Compte. 1,483,356; Feb. 12.
Car coupler. A. Stacy. 1,483,691; Feb. 12.
Car coupler, Mine-. C. W. Lauby. 1,483,628; Feb. 12.
Car mover. F. W. Rubin. 1,483,116; Feb. 12.
Car seal. B. Borland. 1,483,504; Feb. 12.
Carbon remover. P. A. Sullivan. 1,483,559; Feb. 12.
Carburetor. R. M. Anderson. 1,483,323; Feb. 12.
Carburetor. D. Guelbaum. 1,483,634; Feb. 12.
Card holder. I. Bernstein. 1,483,408; Feb. 12.
Carriages, Rocking means for baby. H. S. Jackson. 1,483,813; Feb. 12.
Case: *See*—
Vanity case.
Casket construction. J. H. Donnelly. 1,483,544; Feb. 12.
Caster. H. A. Currie. 1,483,284; Feb. 12.
Caster. A. B. Hanna. 1,483,302; Feb. 12.
Caster wheel. H. G. Runne. 1,483,598; Feb. 12.
Casting machine. A. W. Morris. 1,483,550; Feb. 12.
Centrifugal machine. W. E. Bock. 1,483,326; Feb. 12.
Cereal flakes and making same. J. K. Lippen. 1,483,515; Feb. 12.
Chain, Detachable cross. O. Schoyen. 1,483,385; Feb. 12.
Chain links, Connecter for. J. Blaeker. 1,483,210; Feb. 12.
Chandelier-fixture band. F. Yokel. Des. 63,990; Feb. 12.
Charging device. J. N. Carey. 1,483,278; Feb. 12.
Chart. F. E. Mielke. 1,483,106; Feb. 12.
Chemical products from olefines and olefine-containing mixtures, Preparing. A. S. Ramage. 1,483,835; Feb. 12.
Cigar holder. A. F. Boreiko. 1,483,503; Feb. 12.
Cigars, False head for. M. Wertheimer. 1,483,140; Feb. 12.
Cinematograph film. G. G. Hegerman. 1,483,581; Feb. 12.
Cinematographic apparatus. G. Michetti. 1,483,105; Feb. 12.
Circuit-breaker system. Automatic reclosing-. F. H. Hedin. 1,483,438; Feb. 12.
Clamp. T. Billington. 1,483,769; Feb. 12.
Clasp: *See*—
Bracelet clasp.
Clasp. G. D. Harrison. 1,483,801; Feb. 12.
Clearing mechanism. R. L. Wilcox. 1,483,144; Feb 12.
Clippers, Attachment for hair. N. A. Moltrum. 1,483,310; Feb. 12.
Clock, Automatic time. H. G. Lundgren. 1,483,820; Feb. 12.
Clock, Electric. U. L. Collins. 1,483,783; Feb. 12.
Clock, Electric. M. F. Juruick. 1,483,814; Feb. 12.
Clothes protector. W. S. Perdon. 1,483,793; Feb. 12.
Coal, Composition for treating. R. H. Smith. 1,483,318; Feb. 12.
Coal, Feeder for pulverized. G. Z. Smith and E. B. Herbert. 1,483,557; Feb. 12.
Coal saver. W. H. Stiefel. 1,483,528; Feb. 12.
Coating machine. R. D. Schoenwetter. 1,483,120; Feb. 12.
Cock, Plug. H. Brunner. 1,483,508; Feb. 12.
Coke, Container for the dry cooling of. A. Moettell. 1,483,187; Feb. 12.
Color combinations, Device for quickly finding harmonious. H. Tanner. 1,483,529; Feb. 12.
Column guide. H. A. Henrikson. 1,483,176; Feb. 12.
Concrete construction, Apparatus for measuring materials in. H. D. Palmer and J. W. Brhel. 1,483,643; Feb. 12.
Concrete sheet piles, Method and apparatus for placing. D. J. Ermilio. 1,483,574; Feb. 12.
Condenser. H. F. Schmidt. 1,483,599; Feb. 12.
Condenser installations, Protective means for. G. W. Pickard. 1,483,582; Feb. 12.
Condiment container. F. E. Wolcott. 1,483,401; Feb. 12.
Connecting-rod bolt. S. A. Slauson. 1,483,317; Feb. 12.
Container cap. H. F. Ripken. 1,483,680; Feb. 12.
Control apparatus. A. J. Hall. 1,483,431; Feb. 12.
Control system. R. E. Hellmund. 1,483,439; Feb. 12.
Conveyer. J. E. McBride. 1,483,100; Feb. 12.
Conveyer mechanism. R. D. Schoenwetter. 1,483,121; Feb. 12.
Cooker, Electric. E. Scott. 1,483,837; Feb. 12.
Copyholder. A. S. MacDowell. 1,483,101; Feb. 12.
Core and making same, Reenforced sand. W. H. Millspaugh. 1,483,372; Feb. 12.
Corn-husking tool. F. Martin. 1,483,193; Feb. 12.
Cotton picker. E. F. Hand and F. T. Cavin. 1,483,848; Feb. 12.
Cotton picker. L. C. Stukenborg. 1,483,248; Feb. 12.
Cotton-square picker. R. T. Holton. 1,483,445; Feb. 12.
Couch or bed pan. P. E. J. Chabbert. 1,483,157; Feb. 12.
Coupling: *See*—
Flexible coupling. Pipe coupling.
Cow-tail holder. L. P. Brandewie. 1,483,772; Feb. 12.
Cracking device. J. P. H. Kroon. 1,483,456; Feb. 12.
Crate, Shipping. J. Whitworth and C. Roderick. 1,483,648; Feb. 12.
Creel, Spring-tension. W. S. Wells. 1,483,563; Feb. 12.
Crosstie, Steel. W. B. Miller. 1,483,827; Feb. 12.
Crushers, Adjusting device for. H. S. Anderson. 1,483,566; Feb. 12.
Cuff protector. V. E. Kirk. 1,483,731; Feb. 12.
Cultivator, Rotary. W. A. Earhart. 1,483,789; Feb. 12.
Cultivators, Planter attachment for walking. J. T. Beck. 1,483,271; Feb. 12.
Cup: *See*—
Drinking cup.
Curling iron. F. E. Wolcott. 1,483,402; Feb. 12.
Current-collector support. E. S. Lincoln. 1,483,608–9; Feb. 12.
Current-collector support. S. S. Matthes. 1,483,610; Feb. 12.
Current, Method and apparatus for transforming direct. G. B. Coleman. 1,483,281; Feb. 12.
Current regulator. S. Ruttenberg and M. F. Leibowitz. 1,483,629; Feb. 12.
Cushion: *See*—
Die cushion.
Cutter: *See*—
Beet cutter. Stalk cutter.
Drill cutter. Trolley-sleet cutter.
Meat cutter.
Cylinder ring, Automatic. E. Kiefer. 1,483,352; Feb. 12.
Cylinder, Slashing. E. L. Gladin. 1,483,343; Feb. 12.
Dancing figure. E. Starbuck. 1,483,127; Feb. 12.
Dash switch. F. G. Whittington. 1,483,299; Feb. 12.
Dehydrating apparatus. H. D. Todt. 1,483,757; Feb. 12.
Demand meter. C. I. Hall. 1,483,432; Feb. 12.
Deodorizing apparatus. A. Maclachlan. 1,483,229; Feb. 12.
Derrick fitting. R. R. Bloss and W. Schwemlein. 1,483,602; Feb. 12.
Desk. J. R. McCargar. Des. 63,953; Feb. 12.
Desk. L. J. Ostdiek. 1,483,832; Feb. 12.
Detachable handle. S. Hammer. 1,483,435; Feb. 12.
Die cushion. D. Strand. 1,483,204; Feb. 12.
Direction indicator. A. E. Faull. 1,483,655; Feb. 12.
Dish, Covered. C. L. Sebring and E. Brooks. Des. 63,972; Feb. 12.
Dishwashing cabinet. W. M. Moore. 1,483,234; Feb. 12.
Disk wheel. C. K. Montgomery and C. R. Tromley. 1,483,641; Feb. 12.
Disk wheel. J. R. Montgomery. 1,483,740; Feb. 12.
Display apparatus, Automatic. H. J. Baldwin. 1,483,324; Feb. 12.
Display box. E. E. Pinkerton. 1,483,195; Feb. 12.
Display box, Folding. J. B. Singer and A. B. Levy. 1,483,125; Feb. 12.
Display carton. W. M. and C. J. Doering. 1,483,289; Feb. 12.
Distances, Determining. H. C. Hayes. 1,483,547; Feb. 12.
Ditching, grading, and levee-builder machine. W. A. Steele. 1,483,752; Feb. 12.
Ditching machine. E. L. von Balluseck. 1,483,257; Feb. 12.
Doll. A. P. Handley. Des. 63,946; Feb. 12.
Doll. M. R. Smith. Des. 63,976; Feb. 12.
Door-lock-mounting unit, Combined. J. N. Capece. 1,483,333; Feb. 12.
Door, Metal grain. G. G. Gilpin. 1,483,576; Feb. 12.
Door opener. E. L. Emerson. 1,483,291; Feb. 12.
Drier. F. E. Finch and W. H. Glomb. 1,483,424; Feb. 12.
Drill: *See*—
Piston drill.
Drill. F. A. Gill. 1,483,296; Feb. 12.
Drill bit or auger. H. Dosimont. 1,483,082; Feb. 12.
Drill cutter, Roller earth-boring. F. L. Scott. 1,483,487; Feb. 12.
Drilling attachment, Electric. H. A. Clark. 1,483,335; Feb. 12.
Drills, Hydraulic expander for well. J. P. Miller. 1,483,611; Feb. 12.
Drinking cup, Filtering. F. Zolnerevich. 1,483,498; Feb. 12.
Dust separator. J. A. McCullough. 1,483,228; Feb. 12.
Dye and making the same. A. G. Green and K. H. Saunders. 1,483,798; Feb. 12.
Dye, Azo. H. Clingestein. 1,483,415; Feb. 12.
Dyeing machine. E. Allen. 1,483,263; Feb. 12.
Dyes, Preparing triphenylmethane. J. R. Minevitch. 1,483,233; Feb. 12.
Earring. H. L. Peacock. Des. 63,961; Feb. 12.
Edible from adhering to the surface on which it is cooked, Preventing an. P. W. Wilcox. 1,483,704; Feb. 12.
Egg-candling device. T. Grubb. 1,483,660; Feb. 12.
Ejector. H. D. Yoder. 1,483,405; Feb. 12.
Electric apparatus, Safety device for. P. J. Dugan. 1,483,653; Feb. 12.
Electric fixture, Detachable. W. Symmes. 1,483,252; Feb. 12.
Electric heating device. E. G. Gaynor and L. T. Wilson. 1,483,427; Feb. 12.
Electric induction furnace. O. Frick. 1,483,221; Feb. 12.
Electric-light-stand adjuster. A. Meyers and H. Simmons. 1,483,588; Feb. 12.

Electric lockout. T. E. Barnum. 1,483,407; Feb. 12.
Electric machines, Permanent magnet for. C. F. Dufaux. 1,483,339; Feb. 12.
Electric peening machine. R. A. Booker. 1,483,328; Feb. 12.
Electric pull switch. T. J. Kerwin. 1,483,584; Feb. 12.
Electric switch. G. A. Burnham. 1,483,839–40; Feb. 12.
Electric switch. B. E. Getchell. 1,483,845; Feb. 12.
Electric switch. E. M. Hewlett. 1,483,440; Feb. 12.
Electrical apparatus, Means for cooling. H. M. Hobart. 1,483,442; Feb. 12.
Electrical system. G. W. Huey. 1,483,446; Feb. 12.
Electrical testing system. J. F. Toomey and G. Crisson. 1,483,133; Feb. 12.
Electrical transmission, Means for controlling. J. S. Jammer. 1,483,179; Feb. 12.
Electrical varied-light apparatus. G. L. Black. 1,483,710; Feb. 12.
Electromagnetic apparatus. J. A. Rostron. 1,483,682; Feb. 12.
Electrotyping. E. Voigt. 1,483,621; Feb. 12.
Elevator sequence safety device. N. S. Dickinson. 1,483,216; Feb. 12.
Embroidery machines, Automatic operating device for. O. Fahrni. 1,483,168; Feb. 12.
Engine: *See*—
Internal-combustion engine.
Engine muffler. L. R. Heath. 1,483,805; Feb. 12.
Engines, Controlling device for internal-combustion. A. R. Glidden. 1,483,657; Feb. 12.
Engines, Fuel economizer for internal-combustion. A. R. Glidden. 1,483,658; Feb. 12.
Engines, Ignition device for internal-combustion. H. C. Kirby. 1,483,730; Feb. 12.
Engines, Indicator for reciprocating. C. H. Gale. 1,483,171; Feb. 12.
Engines, Liquid-fuel vaporizer for internal-combustion. R. F. Lonaberger and C. F. Sands. 1,483,819; Feb. 12.
Envelope. G. F. Hogan. 1,483,443; Feb. 12.
Ethers of cellulose bodies, Making highly-etherified. L. Lilienfeld. 1,483,738; Feb. 12.
Evaporating apparatus. H. C. Petersen. 1,483,194; Feb. 12.
Explosive, Ammonium-nitrate. R. L. Hill. 1,483,087; Feb. 12.
Extractor: *See*—
Bushing extractor.
Fastener. F. Hirah. 1,483,849; Feb. 12.
Fastener-inserting tool. B. M. Sweeney. 1,483,394; Feb. 12.
Fats and oils, Method and means for the treatment of. J. S. Nicol. 1,483,742; Feb. 12.
Feather-lined fabrics, Apparatus for making. F. Wever. 1,483,708; Feb. 12.
Feed mechanism, Variable-. G. V. Curtis and W. H. Miner. 1,483,719; Feb. 12.
Feeder, Poultry. J. L. Bush. 1,483,683; Feb. 12.
Feeding device. W. H. Smith. 1,483,526; Feb. 12.
Filaments of audions, Circuit for heating the. D. G. Blattner. 1,483,273; Feb. 12.
File. W. Hall. 1,483,799; Feb. 12.
File. J. T. Quigley. 1,483,834; Feb. 12.
Filling machine. S. M. Heulings. 1,483,861; Feb. 12.
Filter. W. T. Price. 1,483,111; Feb. 12.
Filter, Oil N. Y. Moore. 1,483,830; Feb. 12.
Filter, Porous. W. Martens. 1,483,364; Feb. 12.
Filtering and softening apparatus, Water. G. G. Hepburn. 1,483,858; Feb. 12.
Finger ring. D. Belais. Des. 63,927; Feb. 12.
Finger ring or similar article. L. Fiedler. Des. 63,937; Feb. 12.
Fire-alarm systems, Thermostat for electrical. T. S. Dixon. 1,483,787; Feb. 12.
Firearm. S. Wiley. 1,483,146; Feb. 12.
Fire escape, Tubular. A. H. Sturges. 1,483,249; Feb. 12.
Fire extinguisher. H. A. Braman. 1,483,329; Feb. 12.
Fire hydrant. F. Cavallaro. 1,483,410; Feb. 12.
Fireplace lining. A. H. Sandstrom. 1,483,384; Feb. 12.
Fishing-line reel. E. Dyer. 1,483,340; Feb. 12.
Fishing tool. T. B. Couch. 1,483,079; Feb. 12.
Flexible coupling. G. A. Ungar. 1,483,561; Feb. 12.
Flotation machines, Impeller for. C. E. Rork and A. Sandberg. 1,483,115; Feb. 12.
Flour, Agitator for use in bleaching. B. Neal and G. H. Hebebrand. 1,483,107; Feb. 12.
Flour and milling products, Bleaching and improving. H. C. J. H. Gelissen. 1,483,546; Feb. 12.
Flow meter. J. F. Skold. 1,483,200; Feb. 12.
Fluid transmission. F. C. Martin. 1,483,824; Feb. 12.
Fluids, Method of and means for chlorinating. J. W. Van Meter. 1,483,256; Feb. 12.
Fly chaser and catcher. R. C. Brewster. 1,483,506; Feb. 12.
Food product and manufacture thereof. J. Boyce. 1,483,155; Feb. 12.
Food product and preparing same. C. E. Fenlon. 1,483,422; Feb. 12.
Fruit parer. F. C. Petersen. 1,483,676; Feb. 12.
Fuel-mixing device. E. L. De La Mater. 1,483,286; Feb. 12.
Fuel-supply system. J. P. Remington. 1,483,596; Feb. 12.
Furnace: *See*—
Electric induction furnace.
Furnace and grate therefor. W. G. Dobbs. 1,483,287; Feb. 12.
Furnace control system, Electric-. T. A. Reid. 1,483,480; Feb. 12.
Furnace for dry distillation of waste liquors and similar masses. E. L. Rinman and G. F. Magnuson. 1,483,554; Feb. 12.
Furnace lining. M. Alpern. 1,483,706; Feb. 12.
Furnaces, Automatic stoker for. J. F. Cullen, jr. 1,483,785; Feb. 12.
Furniture. O. H. Becktel and W. E. O'Brien. 1,483,767; Feb. 12.
Fuse, Safety. H. B. Stoneman. 1,483,692; Feb. 12.
Fuses, Safety device for bomb. W. A. Borden. 1,483,068; Feb. 12.
Gaiter, Storm. W. C. Cole. 1,483,782; Feb. 12.
Game. I. W. Doremus. Re15,763; Feb. 12.
Game. J. Morang. 1,483,590; Feb. 12.
Game. H. Skreberg. 1,483,488; Feb. 12.
Garment. D. L. Fine. Re15,757; Feb. 12.
Garment lacing. O. Weingarten. 1,483,702; Feb. 12.
Garment supporter. A. M. Ziegler. 1,483,260–2; Feb. 12.
Garment supporters, Metal loop for. C. J. Hazelton. 1,483,349; Feb. 12.
Garter or armlet. A. Woodward. Des. 63,989; Feb. 12.
Gas burner. J. Travis. 1,483,322; Feb. 12.
Gas-engine muffler. F. Kopper, jr. 1,483,354; Feb. 12.
Gas generator and burner. S. Biddison. 1,483,709; Feb. 12.
Gas-log heater. E. S. Brown. 1,483,570; Feb. 12.
Gas, Means for cleaning and drying blast-furnace. J. C. Hayes, jr., and H. L. Wetherbee. 1,483,348; Feb. 12.
Gate: *See*—
Mine-shaft gate.
Gate and the like. W. W. Norman. 1,483,239; Feb. 12.
Gauge: *See*—
Liquid-level gauge. Tire gauge.
Gear drift and bushing therefor. R. J. McKee and F. Stoneberg. 1,483,670; Feb. 12.
Gear, Driving. H. Thompson. 1,483,699; Feb. 12.
Gear-inspection machine. G. M. Eaton. 1,483,419; Feb. 12.
Gear wheel. A. H. Landry. 1,483,817; Feb. 12.
Gearing, Differential. J. Krohn. 1,483,606; Feb. 12.
Gears or wheels, Method of and machine for cutting. J. E. Gleason and A. L. Stewart. Re15,759; Feb. 12.
Generator: *See*—
Pressure generator.
Gliding apparatus. T. Catala. 1,483,780; Feb. 12.
Glare eliminator. C. H. Anderson. 1,483,763; Feb. 12.
Glare shield. G. E. Manning. 1,483,640; Feb. 12.
Glass articles, Heat treatment of. J. T. Littleton, jr. 1,483,461; Feb. 12.
Glass goblet or similar article. F. D. Greenan. Des. 63,945; Feb. 12.
Glass, Method and apparatus for forming. R. M. Corl. 1,483,336; Feb. 12.
Glass mounting, Window-. F. Stillwell. 1,483,491; Feb. 12.
Goblet or similar article. E. M. Bottome. Des. 63,929–30; Feb. 12.
Golf ball, Practice. W. L. Eaton. 1,483,165; Feb. 12.
Golf club. W. F. Reach. 1,483,614; Feb. 12.
Golf-club bag. B. B. Osterhoudt. 1,483,475; Feb. 12.
Golf-club-gripping device. L. G. Read. 1,483,595; Feb. 12.
Golf clubs, etc., Hand grip for. W. G. Halkett. 1,483,847; Feb. 12.
Governing mechanism. H. E. Warren. 1,483,537; Feb. 12.
Grading machine. C. G. Pfeiffer. 1,483,594; Feb. 12.
Grain, Method and apparatus for fumigating. A. R. Young. 1,483,406; Feb. 12.
Grave lining. J. M. Doddridge. 1,483,288; Feb. 12.
Grinding machine. F. C. Sanford. 1,483,748; Feb. 12.
Grinding machine for forming rolls. C. H. Norton. 1,483,859; Feb. 12.
Guide. C. J. Campbell. 1,483,778; Feb. 12.
Gun carriage. L. J. F. Filloux. 1,483,169; Feb. 12
Gun, Grease. J. F. Baldauf. 1,483,268; Feb. 12.
Gun, Line-throwing. J. W. Stockett. 1,483,129; Feb. 12.
Gun, Shooting-practice dummy. H. E. Reardon. 1,483,378; Feb. 12.
Gun trail. H. C. Zimmerman. 1,483,151; Feb. 12.
Hair waving, Tube for permanent. H. Jacobs. 1,483,583; Feb. 12.
Hairpin. F. A. Wildason. 1,483,145; Feb. 12.
Handle: *See*—
Detachable handle.
Hanger: *See*—
Shade hanger.
Harrow, Single and double tandem disk. J. S. Reynolds. 1,483,381; Feb. 12.
Harvester, Corn. C. F. Busse. 1,483,775; Feb. 12.
Hasp fastener. J. E. Stephenson. 1,483,855; Feb. 12.
Hat. R. Scharpen. Des. 63,973; Feb. 12.
Headlight. F. Buchanan. 1,483,070; Feb. 12.
Headlight attachment. J. A. Carson. 1,483,779; Feb. 12.
Headlight, Dirigible. J. W. Hosmer and B. O. Guest. 1,483,807; Feb. 12.
Headlights of motor cars, motor cycles, and other vehicles, Shutter for the. F. W. J. Robinson. 1,483,616; Feb. 12.
Heater: *See*—
Gas-log heater. Water heater.
Self-controlling heater.

Heater. F. A. Nieberding. Des. 63,956–8; Feb. 12.
Heel-building machine. E. C. Simmons. 1,483,124; Feb. 12.
Heel-trimming machine. L. W. Rollins. 1,483,113; Feb. 12.
Hide stretcher. A. Marker. 1,483,822; Feb. 12.
Hinge, Stop. J. P. Walker. 1,483,624; Feb. 12.
Hog chute. J. M. and D. W. Ragsdale. 1,483,377; Feb. 12.
Hook: *See*—
Tire-chain lever hook.
Hopper mechanism. L. W. Thorsell. 1,483,601; Feb. 12.
Horn. R. R. Williams and J. T. Malloy. 1,483,759; Feb. 12.
House: *See*—
Poultry house.
Houses, Temperature-regulating system for. E. L. Douglass. 1,483,163; Feb. 12.
Hovers, Elevating means for. H. F. Schultz. 1,483,485; Feb. 12.
Humidifier for motors. E. J. Cunningham. 1,483,604; Feb. 12.
Hydrometer. H. L. Tiger. 1,483,403; Feb. 12.
Ice-cream containers, Sanitary wrapper for. W. H. Prince. 1,483,196; Feb. 12.
Ice, Formation and storage of. H. G. Lane. 1,483,459; Feb. 12.
Incinerator. G. L. Campbell. 1,483,571; Feb. 12.
Index, Visible. W. P. De Saussure, jr. 1,483,215; Feb. 12.
Indexing and locking mechanism, Automatic table. W. N. Stevens. 1,483,203; Feb. 12.
Indicator: *See*—
Direction indicator. Office indicator.
Liquid-level indicator. Weight indicator.
Inhaler. F. I. Clark. 1,483,572; Feb. 12.
Inkstand and desk-supplies holder, Combination. F. L. Wasser. Des. 63,982; Feb. 12.
Instruments, Safety device for control. C. Wilhjelm. 1,483,207; Feb. 12.
Insulating bushing. A. P. Fahnestock. 1,483,218; Feb. 12.
Internal-combustion engine. E. R. Burtnett. 1,483,331; Feb. 12.
Internal-combustion engine. G. W. Smith, jr. 1,483,619; Feb. 12.
Iron: *See*—
Curling iron.
Iron and tube making. E. F. Kenney. 1,483,451; Feb. 12.
Iron and tubes, Making. E. F. Kenney. 1,483,450; Feb. 12.
Iron stand, Traveler's. H. Kruesheld. 1,483,457; Feb. 12.
Ironer. C. L. Schwartz. 1,483,386; Feb. 12.
Jack: *See*—
Automobile jack. Lifting jack.
Journal jack. Vehicle jack.
Jar: *See*—
Rotary jar.
Joint: *See*—
Universal joint.
Joint or connection. G. Fox. 1,483,294; Feb. 12.
Journal jack. L. U. Hawkins. 1,483,303; Feb. 12.
Kettle or similar article. J. Friedman. Des. 63,939–40; Feb. 12.
Knife. A. L. Fry. 1,483,632; Feb. 12.
Knife, Paring. W. E. Anderson. 1,483,063; Feb. 12.
Knitting machines, Mechanism for lubricating the needles and needle cam tracks of. W. P. Drumheller. 1,483,844; Feb. 12.
Labeling machine. J. A. Keyes. 1,483,181; Feb. 12.
Lace. S. H. Page. Des. 63,959–60; Feb. 12.
Ladder safety device. A. Winkler. 1,483,148; Feb. 12.
Lamp. A. B. Kuesche. 1,483,355; Feb. 12.
Lamp fixture, Automatic night-. A. J. Heitz. 1,483,726; Feb. 12.
Lamp for projection apparatus, Electric. B. Johnson. 1,483,449; Feb. 12.
Lamp globes, Electric-. B. B. Choinski. 1,483,716; Feb. 12.
Lamp shade. E. L. Snyder. Des. 63,977; Feb. 12.
Lamps, Adjustable reflector for. A. T. Julin and O. E. Fröding. 1,483,306; Feb. 12.
Latch, Door. H. Stettner. 1,483,490; Feb. 12.
Lavatory fitting. T. G. Kaufman. 1,483,850; Feb. 12.
Lens. P. P. Horne. 1,483,636; Feb. 12.
Lens made of two pieces of glass, Achromatic bifocal. L. W. Bugbee. 1,483,510; Feb. 12.
Lens, Ophthalmic. H. W. Hill. 1,483,727; Feb. 12.
Lenses, Making fused bifocal. L. W. Bugbee. 1,483,509; Feb. 12.
Level. J. C. Pearce. 1,483,242; Feb. 12.
Lid holder. F. Tonge. 1,483,255; Feb. 12.
Lifting jack. W. J. Costello. 1,483,843; Feb. 12.
Light: *See*—
Vault light.
Light fixture. J. W. Gosling. Des. 63,944; Feb. 12.
Light intensities, Method and means for determining. P. H. Norton. 1,483,472; Feb. 12.
Lighting fixture. L. C. Doane. 1,483,417; Feb. 12.
Lighting fixture. W. B. Goddard. Des. 63,943; Feb. 12.
Lighting-fixture arm. A. Cooper. Des. 63,934; Feb. 12.
Lighting-fixture loop. E. A. Walker. Des. 63,986; Feb. 12.
Lighting-fixture unit. A. Ullman. Des. 63,981; Feb. 12.
Lighting fixtures, Bracket back for. E. A. Walker. Des. 63,985; Feb. 12.
Lighting fixtures, Canopy ring for. E. A. Walker. Des. 63,987; Feb. 12.
Lightning arrester. C. T. Allcutt. 1,483,538–40; Feb. 12.
Lightning arrester. F. A. Lind. 1,483,548; Feb. 12.
Line tapper. A. Moulton. 1,483,237; Feb. 12.
Lines, Connecting means for. H. A. Bouschor. 1,483,274; Feb. 12.
Liquid-heating device. F. H. Wickes and C. H. Goodman. 1,483,504; Feb. 12.
Liquid-level gauge. F. Tauss and C. D. Benson, jr. 1,483,131; Feb. 12.
Liquid-level indicator. G. J. Dunbaugh, jr. 1,483,418; Feb. 12.
Liquid meter. H. R. Hammett. 1,483,225; Feb. 12.
Liquids, Apparatus for clarifying. L. J. Archambault. 1,483,266; Feb. 12.
Loading machine. F. Billings and R. P. Greenleaf. Re15,764; Feb. 12.
Lock: *See*—
Locker lock. Steering-wheel lock.
Sash lock. Wheel lock.
Locker lock. W. N. Vance. 1,483,205; Feb. 12.
Locomotive steam pipes, Casing for. A. H. Fetters. 1,483,423; Feb. 12.
Looms, Automatically-threading shuttle for. E. S. Stimpson. 1,483,492; Feb. 12.
Looms, Filling carrier support for automatic filling-replenishing. A. E. Rhoades. 1,483,482; Feb. 12.
Loop. C. W. Leguillon. 1,483,357; Feb. 12.
Lubricating system. J. L. Creveling. 1,483,651; Feb. 12.
Lubricator: *See*—
Vibratory lubricator.
Machine for cutting out several thicknesses of fabric, Hand. E. Duplessis. 1,483,788; Feb. 12.
Magnifier. C. F. Propson. 1,483,745; Feb. 12.
Mail box, Rural. J. E. Cole. 1,483,077; Feb. 12.
Manger for dairy barns. E. F. Price. 1,483,376; Feb. 12.
Manifold, Inlet and exhaust. A. C. Rosenbrook. 1,483,314; Feb. 12.
Match-box holder. H. G. Pelstring. 1,483,592; Feb. 12.
Match safe, Folding. W. Sammis. 1,483,747; Feb. 12.
Meat cutter. G. B. Runyan. 1,483,617; Feb. 12.
Mechanical movement. V. R. Despard. 1,483,162; Feb. 12.
Metal and apparatus therefor, Making electrolytic. F. A. Eustis. 1,483,722; Feb. 12.
Metals, Melting or smelting low volatile. J. H. Gray. 1,483,796; Feb. 12.
Meter: *See*—
Demand meter. Liquid meter.
Flow meter.
Mineral separator, Hydraulic. J. B. Miller. 1,483,371; Feb. 12.
Mineral silicates, Separating the constituents of. J. B. La Rue and S. W. Scofield. 1,483,627; Feb. 12.
Mine-shaft gate, Automatic. R. Quigley and J. Cunningham. 1,483,243; Feb. 12.
Mining apparatus. E. C. Morgan. 1,483,549; Feb. 12.
Miner's cap. J. F. Gayeski. 1,483,626; Feb. 12.
Mixing machines, Adjustable blade for. C. C. Mosher. 1,483,551; Feb. 12.
Moisteners, Sponge mounting for finger. G. W. Jones. 1,483,094; Feb. 12.
Mold. J. D. Fitzharris. 1,483,857; Feb. 12.
Mold-closing press, Portable. H. V. Lough. 1,483,359; Feb. 12.
Molding. J. J. Keyes. 1,483,452; Feb. 12.
Monument. W. V. Tipping. Des. 63,978; Feb. 12.
Motion-transmitting mechanism. E. B. Hough. 1,483,089; Feb. 12.
Motor. A. E. Hudd. 1,483,512; Feb. 12.
Motor-control system. L. J. Hibbard. 1,483,441; Feb. 12.
Motor-controlling device. B. S. Aikman. 1,483,064; Feb. 12.
Motor drives, Equalizing speeds of. A. J. F. Montabone. 1,483,470; Feb. 12.
Motor-testing apparatus. R. Chilton. 1,483,075; Feb. 12.
Motors, Overwinding preventer for spring. T. Phillips. 1,483,744; Feb. 12.
Mousetrap. J. Rose and F. E. Bowne. 1,483,644; Feb. 12.
Mud, foot scrapings, water, and the like deposited on steps, Means for collecting. C. E. Kain. 1,483,095; Feb. 12.
Music rolls of player pianos and the like, Mechanism for automatically rewinding the. J. L. Scott. 1,483,685; Feb. 12.
Musical instruments, Treating wood for the manufacture of. L. Kozelek. 1,483,733; Feb. 12.
Musical instruments, Tuning device for stringed. H. O. Hammer. 1,483,434; Feb. 12.
Musical notation. S. A. Reeve. 1,483,380; Feb. 12.
Mute holder. A. Cherniavsky. 1,483,334; Feb. 12.
N-sulphato-alkyl compounds, Manufacture of. A. G. Green and K. H. Saunders. 1,483,084; Feb. 12.
Needling machine. W. H. Wagner. 1,483,184; Feb. 12.
Net. R. R. Belknap. 1,483,542; Feb. 12.
Nitrogen-containing compounds, Producing. J. H. Reid. 1,483,197; Feb. 12.
Nonskid device. H. M. McCune. 1,483,102; Feb. 12.
Office indicator. O. G. Gerner. 1,483,724; Feb. 12.
Oil-level tester for crank cases. A. L. and W. P. Nash. 1,483,517; Feb. 12.
Oil-testing device. W. L. and H. J. Pluck. 1,483,875; Feb. 12.
Oils, Production of solutions of volatile. J. Altwegg. 1,483,152; Feb. 12.
Optical instrument. H. L. De Zeng. 1,483,786; Feb. 12.
Ordnance breech mechanism. A. T. Dawson, G. T. Buckham, and W. R. Purvis. 1,483,161; Feb. 12.
Ores, etc., Combined sulphidation and flotation of. F. E. Barrows. 1,483,270; Feb. 12.
Organic substances, Method of and apparatus for treating. L. F. Little. 1,483,668; Feb. 12.
Outlet box. H. G. Knoderer. 1,483,453; Feb. 12.
Ovens, Burner chamber for rotary baking. H. Eichner. 1,483,167; Feb. 12.
Packing. J. W. Shepard. 1,483,750; Feb. 12.
Packing, Piston. E. A. Isakson. 1,483,812; Feb. 12.
Pad: *See*—
Athletic protective pad.
Paint composition. J. Walsh. 1,483,136; Feb. 12.
Paper and preparing same, Scenery-forming. C. B. and H. P. Maurer. 1,483,466; Feb. 12.
Paper package, Toilet-. C. Fisher. 1,483,575; Feb. 12.
Paper pulp, Preserving and treating. J. A. De Cew. 1,483,630; Feb. 12.
Paper, Roofing. M. Blumenthal. 1,483,711; Feb. 12.
Patch, Blowout. H. W. Edwards. 1,483,791; Feb. 12.
Pea separator and grader. P. C. Kraska. 1,483,092; Feb. 12.
Peeling mechanism. A. Katzinger. 1,483,637; Feb. 12.
Pencil, Lead. C. O. Gronberg. 1,483,344; Feb. 12.
Pens, Feed bar for fountain. S. E. Peters. 1,483,675; Feb. 12.
Percussion tools, Lubricating attachment for. D. Brandriff. 1,483,569; Feb. 12.
Phonograph appliance. F. Darrow. 1,483,573; Feb. 12.
Phonograph record. L. Slingland. 1,483,751; Feb. 12.
Photographic exposures, Method and apparatus for determining. F. H. Norton. 1,483,473; Feb. 12.
Photographic shutter. P. J. Marks. 1,483,465; Feb. 12.
Piano-damper attachment. D. McIlwrath. 1,483,104; Feb. 12.
Picker: *See*—
Cotton picker. Cotton-square picker.
Picture film, Motion-. O. A. Owen. 1,483,109; Feb. 12.
Picture machine, Motion-. E. M. Swartz. 1,483,319; Feb. 12.
Piling, Sheet. A. A. Martinez. 1,483,825; Feb. 12.
Pipe-collar plate. E. G. Gaynor. 1,483,428; Feb. 12.
Pipe connection. D. A. Allee. 1,483,499; Feb. 12.
Pipe coupling. H. P. Kraft. 1,483,454–5; Feb. 12.
Pipe wrench. O. Pearce and I. Bales. 1,483,110; Feb. 12.
Pipe wrench. F. L. Scott. 1,483,486; Feb. 12.
Pipe wrench. F. E. Voorhies and O. V. Jones. 1,483,623; Feb. 12.
Piston drill, Rotary. A. Schinkes. 1,483,198–9; Feb. 12.
Piston ring. G. Jacobs. 1,483,582; Feb. 12.
Piston rings, Tool for compressing. C. J. Mathison. 1,483,826; Feb. 12.
Planting and marking machine. O. H. Kohlhaas. 1,483,815; Feb. 12.
Plate. T. C. Heisey. Des. 63,947; Feb. 12.
Plate or similar article. W. Geib. Des. 63,942; Feb. 12.
Platform, Rotating. A. H. Seear. 1,483,749; Feb. 12.
Plow. J. Bouchard. 1,483,771; Feb. 12.
Plow. R. H. Cadenhead. 1,483,776; Feb. 12.
Pop-corn machine. H. A. Waltman and G. H. Rossebo. 1,483,137; Feb. 12.
Poultry house. E. E. Garner. 1,483,295; Feb. 12.
Power-transmitting mechanism. M. McCann. 1,483,462; Feb. 12.
Power-transmitting mechanism. H. R. Ricardo. 1,483,245; Feb. 12.
Power-transmitting mechanism, Change-speed. F. H. Root. 1,483,114; Feb. 12.
Preheater, Engine. J. Good. 1,483,577; Feb. 12.
Press. G. G. Browne. 1,483,156; Feb. 12.
Press. H. Slater. 1,483,126; Feb. 12.
Pressing apparatus, Rotary. R. E. Wagner. 1,483,562; Feb. 12.
Pressure generator. A. N. Blazer. 1,483,409; Feb. 12.
Printing-press roller, Ventilated. C. H. Martin. 1,483,671; Feb. 12.
Printing presses, Perforator for. H. E. Peterson. 1,483,677; Feb. 12.
Puller: *See*—
Stump puller.
Pulley block. K. Torp. 1,483,768; Feb. 12.
Pump. F. J. Miller. 1,483,370; Feb. 12.
Pump. C. F. Pearson. 1,483,189; Feb. 12.
Pump, Centrifugal. C. R. Sessions. 1,483,645; Feb. 12.
Pump, Dredging. J. G. Whitlock. 1,483,143; Feb. 12.
Pump, Reciprocating. F. J. Miller. 1,483,369; Feb. 12.
Pumps, Visible display attachment for measuring. W. S. Townsend and F. E. Douglass. 1,483,494; Feb. 12.
Putty powder. C. A. Hamel. 1,483,224; Feb. 12.
Quick-break switch. B. E. Getchell. 1,483,846; Feb. 12.
Rack: *See*—
Umbrella rack.
Radio cabinet. W. A. French. Des. 63,938; Feb. 12.
Radio receiving system. H. K. Sandell. 1,483,383; Feb. 12.
Rail-joint connection. M. N. Webber. 1,483,138; Feb. 12.
Rail seat or brace. W. W. Blackwell. 1,483,770; Feb. 12.
Railway ballast, Method and apparatus for cleaning. N. C. Owen. 1,483,674; Feb. 12.
Railway crossing and making the same. W. T. Headley. 1,483,437; Feb. 12.
Railway draft rigging. J. F. O'Connor. 1,483,108; Feb. 12.
Railway rails, Boltless anticreeping device for. A. J. Cook. 1,483,416; Feb. 12.
Railway safe running device. A. R. Angus. 1,483,066; Feb. 12.
Railway-traffic-controlling apparatus. L. V. Lewis and F. H. Nicholson. 1,483,358; Feb. 12.
Range or stove. J. M. Rutter. 1,483,118; Feb. 12.
Razor-blade-sharpening device, Safety-. J. B. Ruatti. 1,483,746; Feb. 12.
Reamer. J. N. Goodall. 1,483,429; Feb. 12.
Reel: *See*—
Fishing-line reel. Wire reel.
Refractory and making same, Basic. A. P. Meyer. 1,483,468–9; Feb. 12.
Refractory article and making the same. C. J. Brockband. 1,483,507; Feb. 12.
Refrigerating system. L. Penwell. 1,483,593; Feb. 12.
Registers, Zero-setting device for. C. T. Weymann. 1,483,496; Feb. 12.
Regulator: *See*—
Automatic regulator. Current regulator.
Relay. C. I. Hall. 1,483,433; Feb. 12.
Repair plug. M. G. O'Brien. 1,483,311; Feb. 12.
Resilient wheel. E. J. Brandt. 1,483,275; Feb. 12.
Resilient wheel. R. H. Langdale. 1,483,191; Feb. 12.
Resins, Manufacture of. V. P. Mehta. 1,483,368; Feb. 12.
Ribbon, Fabric. E. Walbrecker. Des. 63,983–4; Feb. 12.
Rim tool. D. C. Carroll. 1,483,841; Feb. 12.
Ring: *See*—
Cylinder ring. Piston ring.
Ring. C. W. Bailey. Des. 63,925; Feb. 12.
Ring. C. J. Barth and J. R. Pierce. Des. 63,926; Feb. 12.
Ring. G. S. Bowden. Des. 63,931; Feb. 12.
Ring. F. A. Shimp. Des. 63,975; Feb. 12.
Ring-rolling machine. G. G. Browne. 1,483,069; Feb. 12.
Rivet-cutting device. J. A. Calder. 1,483,072; Feb. 12.
Rivet-cutting machine. J. A. Calder. 1,483,073; Feb. 12.
Rivet machines, Feeding mechanism for. J. Diesk, jr., and S. R. Cooper. 1,483,720; Feb. 12.
Riveting machine. J. A. Calder. 1,483,071; Feb. 12.
Rod: *See*—
Strut rod.
Roller: *See*—
Printing-press roller.
Rollers having an arc-shaped generatrix, machine for grinding. V. A. Svensson. 1,483,754; Feb. 12.
Roof square, try square, and bevel square, Combined. W. T. Youngblood. 1,483,761; Feb. 12.
Roofs, Constructing. B. C. Kridler and J. C. Boyle. 1,483,785; Feb. 12.
Roofs, Sheet-metal conductor for. G. R. Thompson. 1,483,320; Feb. 12.
Roost, Chicken. F. Heinrich. 1,483,086; Feb. 12.
Ropes and like articles, Retriever for. W. K. Monroe. 1,483,828; Feb. 12.
Rotary jar. J. A. Kammerdiner. Re15,760; Feb. 12.
Rubber articles from forms, Machine for removing thin. J. A. Kempel. 1,483,664; Feb. 12.
Rubberized fiber composition, Manufacturing. P. Beebe. 1,483,856; Feb. 12.
Rug. J. A. Farrell. Des. 63,936; Feb. 12.
Rug. F. F. Rainsford. Des. 63,965; Feb. 12.
Safes and the like, Door fastening for. A. H. M. Basart. 1,483,541; Feb. 12.
Sand cutting and screening machine, Safely-controlled. J. S. Townsend. 1,483,646; Feb. 12.
Sash lock. M. Oesterling. 1,483,312; Feb. 12.
Saw machine, Chain-. M. C. H. Serin. 1,483,387; Feb. 12.
Scales, Nose iron for. J. J. Magrady. 1,483,464; Feb. 12.
Scooter, Sliding. A. E. Lindberg. 1,483,183; Feb. 12.
Scoreboard, Electrical. C. A. Hendrix. 1,483,806; Feb. 12.
Sealing device. A. G. G. Guenther. 1,483,175; Feb. 12.
Self-controlling heater. F. H. Cherry. 1,483,280; Feb. 12.
Selvaged fabric, Tool for forming. W. C. Fisher. 1,483,425; Feb. 12.
Separable fastener. W. B. Murphy. 1,483,188; Feb. 12.
Separator: *See*—
Dust separator. Mineral separator.
Separator attachment. L. Rubert. 1,483,484; Feb. 12.
Settings, System for transmitting. R. V. Morse. 1,483,235; Feb. 12.
Sewage-screening apparatus. C. P. Landreth and W. H. MacVaugh. 1,483,667; Feb. 12.
Sewing machine, Book. W. E. Reavis and E. E. Frey. 1,483,521; Feb. 12.
Sewing-machine motor-driving unit. H. Maimin. 1,483,103; Feb. 12.
Sewing machines, Pull-off mechanism for buttonhole-. M. McCann. 1,483,185; Feb. 12.
Sewing machines, Thread trimmer for. J. Kiewics. 1,483,307–8; Feb. 12.

Shade hanger, Ventilating. Z. E. Russell. 1,483,117; Feb. 12.
Shade holder. L. W. Andersen. 1,483,264; Feb. 12.
Ship's safety cabin. J. Wozniak. 1,483,404; Feb. 12.
Shock absorber. J. J. Reynolds. 1,483,481; Feb. 12.
Shock absorber. W. G. Struthers. 1,483,693; Feb. 12.
Shoe-heating device. A. Leaskowics. 1,483,737; Feb. 12.
Shoe-tree. A. K. Anderson. 1,483,065; Feb. 12.
Shoe vamp. R. Centrone. Des. 63,933; Feb. 12.
Showcase. H. Trestholm. 1,483,723; Feb. 12.
Sign. T. Secor. 1,483,618; Feb. 12.
Sign, Interchangeable and adjustable. C. T. Berry. 1,483,067; Feb. 12.
Sign, Street. W. K. Voorhees. 1,483,622; Feb. 12.
Signal. A. W. Harvey. 1,483,511; Feb. 12.
Signaling system. D. K. Gannett. 1,483,172; Feb. 12.
Silk and materials containing it, Dyeing and printing acetyl. A. G. Green and K. H. Saunders. 1,483,797; Feb. 12.
Sink hanger and outlet fixture, Combination. W. Johnson. 1,483,063; Feb. 12.
Slag, Method and apparatus for granulating liquid. E. Opderbeck. 1,483,241; Feb. 12.
Smokestacks, Movable cap for. W. A. Collver. 1,483,784; Feb. 12.
Snow remover. P. E. Larson. 1,483,586; Feb. 12.
Snowplow. F. S. Currie. 1,483,080; Feb. 12.
Snowplow. G. Richardson. 1,483,382; Feb. 12.
Snowplow. W. J. Rowe. 1,483,247; Feb. 12.
Snowplow. C. L. White. 1,483,141; Feb. 12.
Socket cover, Electric. F. M. Poritz. Des. 63,963; Feb. 12.
Soda and active carbon, Recovering. M. J. Creighton. 1,483,160; Feb. 12.
Sofa, Convertible. S. Barrile. 1,483,501; Feb. 12.
Soil pulverizer. F. H. Page. 1,483,743; Feb. 12.
Sound-absorbing method and material. J. Maxer. 1,483,365–6; Feb. 12.
Souring composition and method. R. A. Phair. 1,483,519; Feb. 12.
Spark arrester, Locomotive. C. S. Chalfant. Re15,765; Feb. 12.
Spark plug. E. O'Connell. 1,483,673; Feb. 12.
Spark plug. J. M. Syme. 1,483,395; Feb. 12.
Speed change and reverse gearing. W. W. Peck. 1,483,373; Feb. 12.
Speeds, Indicating device for average. E. Jaeger. 1,483,448; Feb. 12.
Spoke connection. H. J. Cook. 1,483,075; Feb. 12.
Spooling device. C. Byler. 1,483,332; Feb. 12.
Spoon and ladle holder, Sanitary. C. W. Potter. 1,483,533; Feb. 12.
Spray device. C. M. McArthur. 1,483,360; Feb. 12.
Spring: *See*—
Vehicle spring.
Spring oiler. S. Baruch. 1,483,208; Feb. 12.
Spring removing and applying tool. H. B. Maples. 1,483,821; Feb. 12.
Spring-scraper construction. F. N. Root. 1,483,246; Feb. 12.
Sprinkler head. S. Broome. 1,483,277; Feb. 12.
Stalk cutter. C. L. Wottring. 1,483,403; Feb. 12.
Stamp, Hand. W. T. Cressler. 1,483,283; Feb. 12.
Stanchion, Cow. J. C. Fitzgerald. 1,483,292; Feb. 12.
Stand: *See*—
Iron stand.
Statuette. A. V. Hendley. Des. 63,948; Feb. 12.
Statuette. G. Maretta. Des. 63,962; Feb. 12.
Steering gear. A. H. Kummer. 1,483,458; Feb. 12.
Steering-wheel lock. L. J. Hugues. 1,483,508; Feb. 12.
Sterilizing apparatus. G. T. Bishop and W. R. Hagerman. 1,483,325; Feb. 12.
Stock-blending mechanism. G. S. Witham, jr. 1,483,149; Feb. 12.
Stock-fitting machine. A. E. Johnson. 1,483,093; Feb. 12.
Stopper: *See*—
Bottle stopper.
Storage-battery mixing. L. Imblum. 1,483,091; Feb. 12.
Storm and screen sash hanger. W. F. Matthes. 1,483,367; Feb. 12.
Stove and cooker, Combination camp. A. L. Ewing. 1,483,420; Feb. 12.
Stove, Oil. R. Hoffman. 1,483,086; Feb. 12.
Stove, Portable. W. C. Coleman. 1,483,159; Feb. 12.
Strainer, Liquid. C. J. De Coster. 1,483,285; Feb. 12.
Strap: *See*—
Towing strap.
Strapping, Method and means for sealing. E. J. Brooks. 1,483,714; Feb. 12.
Stretcher, Folding. H. Liedtke. 1,483,607; Feb. 12.
Strut rod. C. Gitsendanner. 1,483,342; Feb. 12.
Stump puller. J. W. Ryder and W. O. Skipper. 1,483,684; Feb. 12.
Submarines, Compensator for. J. E. Swendeman. 1,483,696; Feb. 12.
Suction burner. J. H. Hunt. 1,483,176; Feb. 12.
Suction burner. J. H. Hunt and J. T. Fitzsimmons. 1,483,177; Feb. 12.
Surgical bone-cutting device. J. A. Heidbrink. 1,483,085; Feb. 12.
Suspenders, Cast-off for. G. A. Clark. 1,483,649; Feb. 12.
Switch: *See*—
Dash switch. Lockout switch.
Electric pull switch. Quick-break switch.
Switch-controlling mechanism. J. F. Burns. 1,483,715; Feb. 12.
Switch-operating apparatus. D. D. Gordon. 1,483,173; Feb. 12.
Swivel. O. H. Sleeper. 1,483,556; Feb. 12.
Table: *See*—
Camp table.
Table and picture album, Combination. S. J. Walaschek. 1,483,135; Feb. 12.
Tag, Changeable price. J. L. Garland. 1,483,794; Feb. 12.
Tag holder, Shipping identification. J. L. Grossman. 1,483,300; Feb. 12.
Talking-machine motors, Speed regulator for. A. Vaselli. 1,483,647; Feb. 12.
Talking-machine stop. R. W. Stewart. 1,483,753; Feb. 12.
Talking machines, Reproducing needle for. F. D. Hall. 1,483,345; Feb. 12.
Tape, Fastener. D. Marinsky. 1,483,230; Feb. 12.
Tape recorder. E. E. Kleinschmidt. 1,483,253; Feb. 12.
Teeth-cleaning instrument. E. L. Chott. 1,483,158; Feb. 12.
Teeth, Mounting for false. A. H. Churchill. 1,483,781; Feb. 12.
Telegraph key. S. C. Hoey. 1,483,444; Feb. 12.
Telegraphic instrument. W. S. Lytle. 1,483,669; Feb. 12.
Telephone receiver, Head. H. G. Saal. 1,483,315; Feb. 12.
Telephone system. R. S. Wilbur. 1,483,400; Feb. 12.
Telephone system, Measured-service. J. Wicks. Re15,762; Feb. 12.
Telltale. S. J. Bell. 1,483,706; Feb. 12.
Tent, Automobile camp. H. C. Moffett. 1,483,741; Feb. 12.
Testing and display device. M. F. Jamar. 1,483,662; Feb. 12.
Testing hardness, Device for. R. B. Adams. 1,483,565; Feb. 12.
Textile fabric. J. H. Bunting. Des. 63,932; Feb. 12.
Textile fabric. M. Rothschild. Des. 63,967; Feb. 12.
Thermoregulator, Bimetallic electric. E. H. Ruediger. 1,483,597; Feb. 12.
Thimble and thread cutter, Combined. Q. B. Marra. 1,483,828; Feb. 12.
Thread-clamping device. L. Egger. 1,483,166; Feb. 12.
Tie: *See*—
Apron tie.
Tie-plate anchor. J. M. R. Fairbairn. 1,483,792; Feb. 12.
Tile-making machine. M. Katcher and R. McWilliams. 1,483,513; Feb. 12.
Tile, Tubular. W. R. Smith. 1,483,589; Feb. 12.
Timing block with connections, Cam-lever. A. A. Aspland. 1,483,267; Feb. 12.
Timing device. A. J. Bastian. 1,483,502; Feb. 12.
Tire. J. J. Black. Des. 63,928; Feb. 12.
Tire. C. H. Wheeler. Des. 63,966; Feb. 12.
Tire alarm. I. Best. 1,483,543; Feb. 12.
Tire, Automobile. J. H. Michelin. Des. 63,955; Feb. 12.
Tire building apparatus. H. R. Gilson. 1,483,297; Feb. 12.
Tire-chain lever hook. L. Scarfoss. 1,483,686; Feb. 12.
Tire gauge. O. Weber. 1,483,701; Feb. 12.
Tire tread. C. G. Lundstrom. Des. 63,950; Feb. 12.
Tire tread. G. C. McConnell. Des. 63,954; Feb. 12.
Tire valve. F. V. Pepper. 1,483,374; Feb. 12.
Tires, Antiskid, wear resisting armor for. H. S. Brickell. 1,483,773; Feb. 12.
Tires, Tool for removing. J. J. O'Brien. 1,483,331; Feb. 12.
Tobacco leaves, Machine for stringing. C. W. Sponsel. 1,483,558; Feb. 12.
Tobacco stems, Machine for treating. L. T. Rasmussen. 1,483,244; Feb. 12.
Toilet preparations, Container for. T. W. Foster. 1,483,220; Feb. 12.
Tool, Pressure-fluid-actuated. W. H. Keller. 1,483,180; Feb. 12.
Tooth, Artificial. B. Platschick. 1,483,479; Feb. 12.
Toothbrush. F. J. Parker. 1,483,476; Feb. 12.
Towing or pulling device. J. H. Tabler. 1,483,253; Feb. 12.
Toy animal. R. H. Marchant. Des. 63,951; Feb. 12.
Toy balloon. A. P. Witten. 1,483,150; Feb. 12.
Toy doll. P. E. Corrubia. 1,483,718; Feb. 12.
Toy, Floating. A. C. Moss. 1,483,672; Feb. 12.
Toy gun. A. C. Heffner. 1,483,804; Feb. 12.
Toy pistol. E. Starbuck. 1,483,128; Feb. 12.
Tractor attachment. M. E. Ness. 1,483,238; Feb. 12.
Tractor hitch. C. Kiel. 1,483,514; Feb. 12.
Tractor sweep hitch. O. Brooks. 1,483,774; Feb. 12.
Tractors, Clearer or shield for. J. F. Klein. 1,483,782; Feb. 12.
Transformation-making machine. A. Bourgeois. 1,483,713; Feb. 12.
Transmission band. W. H. Wyland. 1,483,380; Feb. 12.
Transmission lines, Protection of. O. C. Traver. 1,483,533; Feb. 12.
Transmission-supporting structure. A. T. Starr. 1,483,695; Feb. 12.
Trap: *See*—
Animal trap.
Trap. W. J. Hamilton. 1,483,800; Feb. 12.

Tray-making machine. H. Brady. 1,483,211; Feb. 12.
Tree: *See*—
Shoe-tree.
Trolley-sleet cutter. C. T. Perry. 1,483,518; Feb. 12.
Truck, Industrial. W. Schroeder, jr. 1,483,600; Feb. 12.
Truck, Six-wheel railway-car. J. A. Lamont. 1,483,638; Feb. 12.
Tube cap. T. J. Dobbins. Des. 63,935; Feb. 12.
Tube system and cleaner, Combined. F. W. Linaker and T. M. Bruback. 1,483,460; Feb. 12.
Tube welding. R. O. Berg. 1,483,272; Feb. 12.
Tungsten oxide from tungsten ores, Producing. K. Anjow. 1,483,567; Feb. 12.
Turbines, Steam-chest construction for. A. J. Kasley. 1,483,605; Feb. 12.
Turpentine substitute. K. Marx. 1,483,739; Feb. 12.
Type-duplicating machines, Printing member for. C. F. Green. 1,483,659; Feb. 12.
Typewriting and calculating machine, Combined. A. F. Poole. 1,483,679; Feb. 12.
Typewriting machine. J. A. B. Smith. 1,483,202; Feb. 12.
Typewriting machine. J. H. Barr. 1,483,500; Feb. 12.
Typewriting machine. C. E. Smith. 1,483,201; Feb. 12.
Typewriting machine. C. E. Smith. 1,483,524; Feb. 12.
Typewriting machine. J. A. B. Smith. 1,483,525; Feb. 12.
Typewriting machine. J. Waldheim. 1,483,206; Feb. 12.
Umbrella rack. E. C. Kovarik. 1,483,666; Feb. 12.
Underreamer. P. J. Forrest. 1,483,219; Feb. 12.
Universal joint. W. H. Thiemer. 1,483,560; Feb. 12.
Unloading apparatus. D. Terry. 1,483,254; Feb. 12.
Vacuum tubes, Safety device for. A. Mutscheller. 1,483,642; Feb. 12.
Valve. P. P. Dean. 1,483,081; Feb. 12.
Valve. T. Evers. 1,483,545; Feb. 12.
Valve. E. Fisher. 1,483,656; Feb. 12.
Valve. G. E. Hazard. 1,483,436; Feb. 12.
Valve. J. Kincheloe. 1,483,585; Feb. 12.
Valve. R. E. Sturman. 1,483,250; Feb. 12.
Valve. E. J. Willman, sr. 1,483,258; Feb. 12.
Valve and priming cup, Combination inlet. E. Minge. 1,483,186; Feb. 12.
Valve for automatic train-control apparatus, Selective application. A. J. Brookins. 1,483,276; Feb. 12.
Valve for flushing tanks, Automatic pressure. J. C. Spearing. 1,483,392; Feb. 12.
Valve grinder. D. F. Dunham. 1,483,721; Feb. 12.
Valve mechanism. C. A. Baker. 1,483,153; Feb. 12.
Valve mechanism. B. S. Snow. 1,483,890; Feb. 12.
Valve mechanism for liquid-vending machines. J. Fritsche. 1,483,083; Feb. 12.
Valve-operating mechanism. W. L. Bliss. 1,483,568; Feb. 12.
Valve-operating mechanism. J. W. Forbes. 1,483,631; Feb. 12.
Valve, Pressure-regulating. C. J. Olson. 1,483,240; Feb. 12.
Valve, Reversing. J. E. Greensmith. 1,483,430; Feb. 12.
Valve tool. W. D. Carrow. 1,483,074; Feb. 12.
Vanity case. H. D. Hough. 1,483,350; Feb. 12.
Vanity cases, Compact holder for. E. W. Loesser. 1,483,639; Feb. 12.
Vapor-conservation system. S. H. Brooks. 1,483,212; Feb. 12.
Varnish and paint removing composition and using same. G. H. Mains. 1,483,587; Feb. 12.
Vault, Grave. J. C. Fitch. 1,483,341; Feb. 12.
Vault light. F. A. Leers. 1,483,182; Feb. 12.
Vehicle body. E. A. Corbin, jr. 1,483,650; Feb. 12.
Vehicle, Hand-operated. H. F. Thompson. 1,483,321; Feb. 12.
Vehicle jack. A. A. Swaim. 1,483,251; Feb. 12.
Vehicle spring. C. H. Crockett. 1,483,214; Feb. 12.
Vehicle spring suspension. R. Y. Bovee. 1,483,154; Feb. 12.
Vehicle wheel. A. Eschwig. 1,483,654; Feb. 12.
Vehicle wheel. T. C. Whitehead. 1,483,398; Feb. 12.
Vehicles and other structures, Folding top for. J. H. Cloyes. 1,483,076; Feb. 12.
Vehicles and the like, Means for adjusting brake shoes used in tramway. S. Thomas. 1,483,531; Feb. 12.
Vehicles, Locality indicator for. S. H. Holmes. 1,483,728; Feb. 12.
Vehicles, Means for coupling. M. Payne. 1,483,613; Feb. 12.
Vehicles, Overdrive for motor. W. C. Smith. 1,483,389; Feb. 12.
Vehicles, Signaling device for. D. A. Ritchie. 1,483,615; Feb. 12.
Vehicles, Top for motor. M. R. Hull. 1,483,810; Feb. 12.
Vehicles, Transmission for motor. R. V. Martin. 1,483,009; Feb. 12.
Vending machine. J. W. McCommins. 1,483,309; Feb. 12.
Vending machine, Refrigerating. C. F. Callahan. 1,483,777; Feb. 12.
Vending machines, Discharging device for. M. J. Wapie. 1,483,700; Feb. 12.
Ventilating device. W. Miller-Peacock. 1,483,232; Feb. 12.
Ventilator: *See*—
Automobile ventilator.
Ventilators, chimney tops, and the like, Bearing support for rotary. J. Sylvan. 1,483,130; Feb. 12.
Vest, Sportsman's. F. Horak. 1,483,635; Feb. 12.
Vibration, Method and system for detecting sources of. G. D. Edwards. 1,483,790; Feb. 12.
Vibratory lubricator. A. A. Van Orsdale. 1,483,535; Feb. 12.
Waffle-baking iron. E. Robinson and A. F. Abreo. Des. 63,966; Feb. 12.
Wagon, Delivery. F. M. Rhed. 1,483,112; Feb. 12.
Wagons and sleighs, Hay-rack or body supporting cleat for. P. J. Michaelis. 1,483,589; Feb. 12.
Wall pocket. A. A. Hartogh. 1,483,804; Feb. 12.
Warship signaling system. E. A. Sperry and E. Meitner. 1,483,489; Feb. 12.
Washing machine. P. F. and R. J. Schneider. 1,483,838; Feb. 12.
Washtub. M. Kylar. 1,483,816; Feb. 12.
Waste, Reclaiming. J. P. McCarthy. 1,483,361; Feb. 12.
Waste with lubricating oil, Impregnation of. J. P. McCarthy. 1,483,362; Feb. 12.
Watch, Silent-alarm wrist. R. Bickerton. 1,483,768; Feb. 12.
Water heater. R. J. Hutchins. 1,483,090; Feb. 12.
Water heater and steam generator, Combined. A. H. Kohlmeyer. 1,483,227; Feb. 12.
Water heater, Electric. G. H. Van Noy. 1,483,534; Feb. 12.
Water-power device. J. R. Bradshaw. 1,483,505; Feb. 12.
Water wheel, Overshot. W. O. Williams. 1,483,705; Feb. 12.
Weigher, Liquid. W. E. Turner. 1,483,397; Feb. 12.
Weight indicator. H. W. Fletcher. 1,483,426; Feb. 12.
Welding and operating the same, Apparatus for. H. D. Morton. 1,483,612; Feb. 12.
Wheel: *See*—
Caster wheel. Resilient wheel.
Disk wheel. Vehicle wheel.
Gear wheel. Water wheel.
Wheel. L. J. Perkins. 1,483,478; Feb. 12.
Wheel lock. J. W. Shepard. 1,483,687; Feb. 12.
Wheel-rim connecter, Extension. H. P. Patheal. 1,483,477; Feb. 12.
Windmill, Power. G. C. Halkias. 1,483,301; Feb. 12.
Window frames, Wall strip for. E. R. Perry. 1,483,851; Feb. 12.
Windshield screens. H. G. Donigan. 1,483,652; Feb. 12.
Windshields, Weatherstrip for motor-vehicle. M. R. Hull. 1,483,305; Feb. 12.
Wire reel. D. B. and P. D. Beavers. 1,483,766; Feb. 12.
Wire reel. D. B. Beavers. 1,483,765; Feb. 12.
Wire-rope-connecting means. J. D. McIntosh. 1,483,516; Feb. 12.
Wireless telegraphy, Antenna arrangement for. O. von Bronk. 1,483,860; Feb. 12.
Wires, Clamp for tie. J. R. Bullis. 1,483,213; Feb. 12.
Wool-combing implement. J. Vishloff. 1,483,495; Feb. 12.
Wool, Domestic device for winding and holding. A. E. Isted. 1,483,729; Feb. 12.
Work-holding apparatus. H. W. Tobey. 1,483,532; Feb. 12.
Work or tool holders, Centering device for. A. Kaegi-Treulin. 1,483,190; Feb. 12.
Wrapping machine. H. Rose. 1,483,681; Feb. 12.
Wrapping machines, Web tension mechanism for. H. A. Sevigne and F. K. Arnold. 1,483,555; Feb. 12.
Wrench: *See*—
Pipe wrench.
Wrench. M. Starc. 1,483,527; Feb. 12.
Wrench. A. J. Whitfield. 1,483,497; Feb. 12.
Wringer. O. T. Anderson. 1,483,265; Feb. 12.
Zinc chloride, Making. L. Rosenstein. 1,483,852; Feb. 12.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 12, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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29: 1,483,101
50: 1,483,675
121— 34: 1,483,198
1,483,199
36: 1,483,180
182: 1,483,430
122— 4: 1,483,227
392: 1,483,490
123— 25: 1,483,226
1,483,604
1,483,658
53: 1,483,331
75: 1,483,619
90: 1,483,267
119: 1,483,186
1,483,657
122: 1,483,177
1,483,178
1,483,314
1,483,577
133: 1,483,819
169: 1,483,395
1,483,673
1,483,730
124— 12: 1,483,128
14: 1,483,304
15: R. 15,763
15. 5: 1,483,378
126— 1: 1,483,118
30: 1,483,420
38: 1,483,159
92: 1,483,570
130: 1,483,384
144: 1,483,706
163: 1,483,287
272: 1,483,325
317: 1,483,428
128— 136: 1,483,694
158: 1,483,351
192: 1,483,620
198: 1,483,572
244: 1,483,320
257: 1,483,523
305: 1,483,085
4: 1,483,123
129— 15: 1,483,799
16: 1,483,215
1,483,834
23: 1,483,388
130— 4: 1,483,193
17: 1,483,228
32: 1,483,092
10: 1,483,503
131— 10: 1,483,558
21: 1,483,140
58: 1,483,244
132— 36: 1,483,583
37: 1,483,402
52: 1,483,145
56: 1,483,713
82: 1,483,639
83: 1,483,350
134— 46: 1,483,136
56: 1,483,739
68: 1,483,233
135— 4: 1,483,741
137— 13: 1,483,410
21: 1,483,390
68: 1,483,545
75: 1,483,320
99: 1,483,311
137— 104: 1,483,258
139: 1,483,061
1,483,375
1,483,517
1,483,568
140: 1,483,537
160: 1,483,354
1,483,805
139— 223: 1,483,492
251: 1,483,482
141— 9: 1,483,234
143— 32: 1,483,387
144— 303: 1,483,769
145— 117: 1,483,082
146— 13: 1,483,456
77: 1,483,617
93: 1,483,803
203: 1,483,676
149— 21: 1,483,822
150— 1. 5: 1,483,475
38: 1,483,279
8: 1,483,275
12: 1,483,374
1,483,701
14: 1,483,102
1,483,385
16: 1,483,773
24: 1,483,791
28: 1,483,191
154— 10: 1,483,297
30: 1,483,452
42: 1,483,425
51: 1,483,711
156— 16: 1,483,117
157— 1: 1,483,831
1,483,841
158— 27: 1,483,337
27. 4: 1,483,272
1,483,467
36: 1,483,596
42: 1,483,088
53: 1,483,712
56: 1,483,709
108: 1,483,822
159— 6: 1,483,194
161— 1: 1,483,502
162— 3: 1,483,405
164— 44: 1,483,072
1,483,073
75: 1,483,788
100: 1,483,677
167— 3: 1,483,229
9: 1,483,152
169— 27: 1,483,329
170— 60: 1,483,301
172— 274: 1,483,446
276: 1,483,430
1,483,441
288: 1,483,064
293: 1,483,470
173— 273: 1,483,237
354: 1,483,162
1,483,173
175— 21: 1,483,339
30: 1,483,538
1,483,539
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1,483,543
1,483,544
1,483,545
294: 1,483,438
1,483,533
312: 1,483,710
363: 1,483,281
374: 1,483,726
176— 40: 1,483,449
177— 327: 1,483,655
337: 1,483,724
351: 1,483,235
1,483,489
386: 1,483,790
178— 44: 1,483,172
1,483,179
179— 9: R. 15,762
156: 1,483,315

179—	171:	1,483,273	198—	210:	1,483,121	214—	134:	R. 15,764	238—	34:	1,483,770	251—	148:	1,483,250	280—	16:	1,483,183
		1,483,400	200—	67:	1,483,715	215—	83:	1,483,119		48:	1,483,827	252—	3:	1,483,160		33.1:	1,483,613
	175:	1,483,133		73:	1,483,846	216—	33:	1,483,181		182:	1,483,138	253—	21:	1,483,505		33.14:	1,483,253
180—	1:	1,483,813		74:	1,483,845	217—	12:	1,483,174		304:	1,483,792		30:	1,483,705		33.44:	1,483,514
	70:	1,483,695		90:	1,483,652		52:	1,483,648		324:	1,483,416		78:	1,483,505		96.1:	1,483,282
181—	0.5:	1,483,547		92:	1,483,433		57:	1,483,624	240—	12.8:	1,483,264	254—	34:	1,483,303		143:	1,483,589
	27:	1,483,759		94:	1,483,407	219—	8:	1,483,612		44:	1,483,070		35:	1,483,116	281—	15:	1,483,575
183—	21:	1,483,348		131:	1,483,692		17:	1,483,532		45.2:	1,483,616		103:	1,483,251		18:	1,483,313
	44:	R. 15,766		137:	1,483,787		25:	1,483,427		46:	1,483,779		109:	1,483,843		42:	1,483,176
	45:	1,483,379		138:	1,483,597		35:	1,483,837		52:	1,483,588		111:	1,483,603	283—	47:	1,483,380
184—	1:	1,483,208		147:	1,483,431		40:	1,483,250		62:	1,483,807		171:	1,483,758	285—	137:	1,483,499
	11:	1,483,830		150:	1,483,440		41:	1,483,564		78:	1,483,417		186:	1,483,684		173:	1,483,268
	14:	1,483,569			1,483,539		48:	1,483,534		81:	1,483,355	255—	7:	1,483,535		181:	1,483,454
	69:	1,483,535			1,483,840		63:	1,483,629		85:	1,483,252		27:	R. 15,760			1,483,455
	105:	1,483,651		161:	1,483,584	220—	24:	1,483,680		103:	1,483,308		35:	1,483,623	287—	80:	1,483,294
187—	9:	1,483,600		163:	1,483,399		30:	1,483,122		106:	1,483,636		71:	1,483,487	292—	62:	1,483,097
	31:	1,483,216	202—	11:	1,483,187		80:	1,483,293		107:	1,483,716		75:	1,483,219		128:	1,483,490
		1,483,653	203—	6:	1,483,554		85:	1,483,212	241—	6:	1,483,261			1,483,611		153:	1,483,312
	54:	1,483,243	204—	8:	1,483,621	221—	67:	1,483,494			1,483,262	257—	25:	1,483,764		362:	1,483,316
188—	90:	1,483,075		11:	1,483,722		138:	1,483,271		8:	1,483,192		43:	1,483,509		281:	1,483,855
	187:	1,483,647		29:	1,483,091	223—	51:	1,483,823		18:	1,483,649		52:	1,483,442		318:	1,483,504
	197:	1,483,531		64:	1,483,221	224—	29:	1,483,592		27:	1,483,260	259—	104:	1,483,551	293—	55:	1,483,142
	210:	1,483,633			1,483,490			1,483,697	242—	1:	1,483,828		136:	1,483,115			1,483,732
	259:	1,483,259			1,483,796			1,483,804		75:	1,483,555	260—	4:	1,483,368	294—	61:	1,483,445
189—	19:	1,483,602	206—	7:	1,483,793	226—	22:	1,483,861		84.5:	1,483,340		27:	1,483,084		102:	1,483,079
	46:	1,483,576		30:	1,483,747	227—	7:	1,483,249		93:	1,483,332		44:	1,483,447	296—	1:	1,483,346
		1,483,851		44:	1,483,125	228—	62:	1,483,148		112:	1,483,765		94:	1,483,415		21:	1,483,112
190—	12:	1,483,736			1,483,289	229—	22:	1,483,443			1,483,766		96:	1,483,798		28:	1,483,650
191—	57:	1,483,608		56:	1,483,220		47:	1,483,175		131:	1,483,563		152:	1,483,738		44:	1,483,811
		1,483,609	208—	55:	1,483,321		87:	1,483,196		146:	1,483,729		170:	1,483,835		45:	1,483,809
		1,483,610	210—	24:	1,483,858	230—	1:	1,483,232	244—	2:	R. 15,758	261—	41:	1,483,323			1,483,810
	62:	1,483,518		58:	1,483,266	232—	45:	1,483,077		30:	1,483,164		50:	1,483,634		93:	1,483,305
192—	4:	1,483,462		72:	1,483,326	233—	20:	1,483,484	245—	2:	1,483,542	262—	1:	1,483,674		95:	1,483,652
	5:	1,483,660		152:	1,483,667	234—	1:	1,483,419	246—	38:	1,483,358		30:	1,483,549		97:	1,483,640
	11:	1,483,103		163:	1,483,498		5.5:	1,483,432		71:	1,483,066	265—	19:	1,483,565			1,483,763
	60:	1,483,524		165:	1,483,285		21:	1,483,171		240:	1,483,512		46:	1,483,493		116:	1,483,076
	104:	1,483,699		170:	1,483,364		27.5:	1,483,353		294:	1,483,511		68:	1,483,426	298—	21:	1,483,089
	123:	1,483,753		178:	1,483,111		53.5:	1,483,820	247—	16:	1,483,453		71:	1,483,464	299—	141:	1,483,277
194—	39:	1,483,777	211—	8:	1,483,700	235—	59:	1,483,553	249—	19:	1,483,397	267—	10:	1,483,603	301—	9:	1,483,641
	48:	1,483,309		20:	1,483,749			1,483,580	250—	20:	1,483,383		19:	1,483,481		11:	1,483,008
197—	60:	1,483,330		26:	1,483,723			1,483,678		33:	1,483,860		20:	1,483,154		39:	1,483,477
	108:	1,483,500		40:	1,483,195			1,483,679		35:	1,483,642		29:	1,483,214		59:	1,483,078
	126:	1,483,202	213—	13:	1,483,628		61:	1,483,448	251—	2:	1,483,656		66:	1,483,342		63:	1,483,478
		1,483,206		50:	1,483,108		92:	1,483,808		37:	1,483,631	268—	9:	1,483,291			1,483,740
	140:	1,483,525		100:	1,483,356		144:	1,483,496		91:	1,483,508	271—	2:	1,483,526		64:	1,483,654
	186:	1,483,201		186:	1,483,691	236—	1:	1,483,207		109:	1,483,585	274—	9:	1,483,573		104:	1,483,208
		1,483,524	214—	1:	1,483,643		23:	1,483,090		113:	1,483,083		38:	1,483,345	302—	42:	1,483,557
198—	9:	1,483,646		18:	1,483,278		45:	1,483,784		121:	1,483,153		42:	1,483,751	308—	18:	1,483,276
	177:	1,483,100		45:	1,483,234	238—	2:	1,483,437		127:	1,483,436	279—	1:	1,483,190			

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme White Lead & Color Works, Hamtramck, Mich. Bronze, dry, etc., colors, driers, enamels, etc. 179,939; Feb. 19; Serial No. 185,853; published Dec. 11, 1923.

Adams & Jewell, Rome, N. Y. Refractory paints. 179,875; Feb. 19; Serial No. 187,599; published Dec. 11, 1923.

Agnes Brothers, New York, N. Y. Imitation-mink-fur coats. 180,012; Feb. 19; Serial No. 163,728; published Nov. 13, 1925.

Alma Manufacturing Company of Baltimore City, Baltimore, Md. Buckles for use on straps. 180,123; Feb. 19.

Ambrosia Chocolate Co., Milwaukee, Wis. Candy. 180,015; Feb. 19; Serial No. 171,888; published Dec. 11, 1923.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 179,867; Feb. 19; Serial No. 176,525; published Dec. 4, 1923.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 179,926–7; Feb. 19; Serial Nos. 184,198–9; published Dec. 4, 1923.

American Interseas Corporation, New York, N. Y. Woolen piece goods. 180,008; Feb. 19; Serial No. 166,866; published Dec. 4, 1923.

American Printing Company, Fall River, Mass. Cotton piece goods. 179,845; Feb. 19; Serial No. 185,737; published Nov. 13, 1923.

American Stove Company, St. Louis, Mo. Gas, coal, oil, and gasoline stoves. 179,830; Feb. 19; Serial No. 181,330; published Dec. 11. 1923.

Anderson, Embry E., Memphis, Tenn. Oats for use as stock feed. 179,865; Feb. 19; Serial No. 175,836; published Dec. 11. 1923.

Andron Hygienic Company, New York, N. Y. Soap cream for shaving. 179,909; Feb. 19; Serial No. 186,264; published Dec. 11 1923.

Arden Products Corporation, The, Chicago, Ill. Garment bag. 179,833; Feb. 19; Serial No. 185,011; published Dec. 4, 1923.

Arizona Lacquer Mfg. Co., Inc., Brooklyn, N. Y. Lacquers, lacquer enamels, thinners, etc. 179,895; Feb. 19; Serial No. 186,768; published Dec. 11. 1923.

Armand Company, The, Des Moines, Iowa. Face and talcum powders, cold cream face powder, rouge, etc. 180,132; Feb. 19.

Arr-Tee Knitting Mills, Philadelphia, Pa. Sweaters. 180,138; Feb. 19.

Ashton, James, Baron, doing business as Jas. Williamson & Son, Lancaster, England. Oil fabrics for floor coverings, table coverings, etc. 179,851; Feb. 19; Serial No. 172,191; published Dec. 4. 1923.

Ashton, James, Baron, doing business as Jas. Williamson & Son, Lancaster, England. Fabric for window shades. 179,852; Feb. 19; Serial No. 172,190; published Dec. 4. 1923.

Ashton, James, Baron, doing business as Jas. Williamson & Son, Lancaster, England. Linoleum. 179,857; Feb. 19; Serial No. 172,192; published Dec. 4, 1923.

Associated Laboratories, Inc., New York, N. Y. Medicine for rheumatism. 180,143; Feb. 19.

Auth, N., Provision Company, Washington, D. C. Bovine, swinish, and mutton meat and meat products. 179,985; Feb. 19; Serial No. 185,282; published Dec. 4. 1923.

Ballantyne, D., Brothers & Co., Limited, Peebles, Scotland. Cloths and stuffs of wool, worsted, and hair. 179,937; Feb. 19; Serial No. 185,913; published Dec. 4. 1923.

Baltimore Water Paint Company. (See Swartz, Milton D.)

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 179,935; Feb. 19; Serial No. 185,948; published Dec. 4, 1923.

Barrett Company, The, New York, N. Y. Bituminous material for compounding rubber. 179,807–10; Feb. 19; Serial Nos. 186,456–9; published Dec. 4, 1923.

Bass, G. H., & Co., Wilton, Me. Footwear. 180,074; Feb. 19; Serial No. 180,354; published Nov. 20, 1923.

Bastian-Morley Co., Laporte, Ind. Jackets for water heaters and boilers. 180,043; Feb. 19; Serial No. 185,102; published Dec. 11. 1923.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Cotton cloth. 179,847; Feb. 19; Serial No. 185,553; published Nov. 20. 1923.

Beck, Ernst, Lebanon, Mo. Eggs. 180,063; Feb. 19; Serial No. 178,808; published Dec. 11, 1923.

Beck, Wm. & Chas., Inc., Lawrence, Mass. Linen fire hose. 179,945; Feb. 19; Serial No. 185,648; published Dec. 4. 1923.

Bement-Rea Co. Inc., Terre Haute, Ind. Corn packed in cans and glass containers. 180,085; Feb. 19.

Bennett Glass & Paint Company, Salt Lake City, Utah. Paints, varnishes, and paint enamels. 179,849; Feb. 19; Serial No. 185,649; published Dec. 4, 1923.

Berger, Joe R., doing business as Joe R. Berger Food Products Company, Cincinnati, Ohio. Mayonnaise, salad and cooking oil, olive oil, and tartar sauce. 180,072; Feb. 19; Serial No. 180,649; published Dec. 11, 1923.

Bergmann, Theo., Shoe Manufacturing Co., Portland, Oreg. Shoes. 180,141; Feb. 19.

Best & Co. Inc., New York, N. Y. Misses' and girls' furnishings, undergarments, and clothing. 179,846; Feb. 19; Serial No. 185,550; published Dec. 4, 1923.

Betsy Ross Candy Shops. (See Frawley, Josephine B.)

Betsy Ross Hair Net Corp., New York, N. Y. Hair nets. 179,990; Feb. 19; Serial No. 185,509; published Nov. 13, 1923.

Beuret & Company, Incorporated, New York, N. Y. Piece goods of cotton, mohair, etc., for, men's suitings. 179,918; Feb. 19; Serial No. 183,464; published Dec. 4, 1923.

Birdseye Seafoods, Inc., New York, N. Y. Fresh fish, crabs, crab meat, etc. 180,094–5; Feb. 19.

Birk, Walter O., Candy Company, Chicago, Ill. Candy. 180,001; Feb. 19; Serial No. 169,525; published Dec. 11, 1923.

Blum & Koch, Inc., New York, N. Y. Men's straw hats. 180,119; Feb. 19.

Bonifacio, Gastone, New York, N. Y. Envelope-addressing stencils. 180,033; Feb. 19; Serial No. 150,505; published Dec. 4, 1923.

Bonwit Teller & Co., New York, N. Y. Cigarettes and smoking tobacco. 179,866; Feb. 19; Serial No. 176,598; published Dec. 4, 1923.

Bonwit Teller & Co., New York, N. Y. Corsets. 179,954; Feb. 19; Serial No. 185,172; published Nov. 27, 1923.

Boright, Thos. A., doing business as Radio Record Publishing Company, Minneapolis, Minn. Magazine. 179,824; Feb. 19; Serial No. 181,333; published Nov. 13, 1923.

Branston, Chas. A., Inc., Buffalo, N. Y. Violet-ray high-frequency generators. 180,127; Feb. 19.

British Cellulose and Chemical Manufacturing Company, Limited (now by change of name British Celanese Limited), London, England. Fabrics made from cellulose derivatives. 179,796; Feb. 19; Serial No. 186,313; published Nov. 20, 1923.

Brown, Lockwood & Davenport Company, Boston, Mass. Monthly publication. 179,930; Feb. 19; Serial No. 186,214; published Dec. 11, 1923.

Brown, S. W., Co., Inc., Glendale, Calif., assignor to The Comalt Co., Inc. Chocolate malted milk. 180,041; Feb. 19; Serial No. 185,556; published Dec. 11, 1923.

Bunkie Ice Company, Ltd., The, Bunkie, La. Ice cream. 179,974; Feb. 19; Serial No. 185,105; published Nov. 27, 1923.

Cabot, Samuel, Inc., Boston, Mass. White covering composition. 179,973; Feb. 19; Serial No. 187,295; published Dec. 4, 1923.

Caporale, Pasquale A., doing business as Leoncavallo Sauce Company, Philadelphia, Pa. Spaghetti and spaghetti sauce. 179,815; Feb. 19; Serial No. 181,939; published Dec. 4, 1923.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Portable containers. 179,801; Feb. 19; Serial No. 186,178; published Dec. 4, 1923.

Chandlee, H. P., Sons Co., Baltimore, Md. Ash, garbage, and oil cans, trash burners, etc. 179,797; Feb. 19; Serial No. 186,179; published Dec. 4, 1923.

Chandler River Co-Operative Canning Association, Jonesboro, Me. Canned blueberries. 180,076; Feb. 19; Serial No. 180,208; published Dec. 11, 1923.

Channell Chemical Company, Chicago, Ill.; Toronto, Ontario, Canada; London, England; and Paris, France. Polish and cleaner for furniture, pianos, linoleum, etc. 179,861; Feb. 19; Serial No. 175,346; published Dec. 11, 1923.

Channell Chemical Company, Chicago, Ill.; Toronto, Ontario, Canada; London, England; and Paris, France. Polish and cleanser for furniture, etc. 179,862; Feb. 19; Serial No. 175,345; published Dec. 11, 1923.

Cheeri-o Shoppe. (See Rodiger, Walter G.)

Choc-o-Vita Company, The. (See Hunter, H. Blount.)

Climax Hosiery Mills, Athens, Ga. Hosiery. 179,987; Feb. 19; Serial No. 185,449; published Dec. 4, 1923.

Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 180,136–7; Feb. 19.

Colonial Mush Company, Chicago, Ill. Corn-meal mush and Philadelphia scrapple. 180,079; Feb. 19; Serial No. 180,964; published Dec. 11, 1923.

Columbia School Supply Co., Indianapolis, Ind. Chairs, benches, stools, desks, and bookcases. 179,969; Feb. 19; Serial No. 184,714; published Nov. 27, 1923.

Consolidated Co.—Coal Division, Inc., Chicago, Ill. Coal. 179,803; Feb. 19; Serial No. 186,105; published Dec. 4, 1923.

Continental Furniture Company, The, High Point, N. C. Furniture. 180,098; Feb. 19.

Continental Rock Asphalt Company, Kansas City, Mo. Rock asphalt. 179,855; Feb. 19; Serial No. 173,178; published Dec. 11, 1923.
Cupples Company Manufacturers, St. Louis, Mo. Golf balls. 179,925; Feb. 19; Serial No. 183,823; published Dec. 4, 1923.
Cushman's Sons, Inc., New York, N. Y. Bread. 179,856; Feb. 19; Serial No. 173,073; published Dec. 11, 1923.
Dalcroff, E., & Cie., Paris, France. Soaps, soap pastes and powders. 179,933; Feb. 19; Serial No. 186,110; published Dec. 11, 1923.
Daly, C. H., & Son Shoe Company, Inc., Abington, Mass. Leather boots and shoes. 180,067; Feb. 19; Serial No. 178,432; published Dec. 4, 1923.
Deane Plaster Co., The, Yonkers, N. Y. Antiseptic dressings, plain, absorbent, and medicated cottons and gauzes, and bandages. 179,863; Feb. 19; Serial No. 175,306; published Dec. 11, 1923.
Detro Sales Service Co., Detroit, Mich. Glass antiglare shields. 179,860; Feb. 19; Serial No. 174,512; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Bond paper. 179,876; Feb. 19; Serial No. 186,885; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Blasting paper. 179,884; Feb. 19; Serial No. 186,879; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 179,885; Feb. 19; Serial No. 186,883; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 179,886; Feb. 19; Serial No. 186,877; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Blasting paper. 179,887; Feb. 19; Serial No. 186,878; published Dec. 4, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 179,890; Feb. 19; Serial No. 186,875; published Dec. 4, 1923.
Dingfelder & Ballah, New York, N. Y. Fresh onions. 180,059; Feb. 19; Serial No. 184,659; published Dec. 11, 1923.
Dorsch, Peter M., Washington, D. C. Bread and rolls. 180,018; Feb. 19; Serial No. 160,875; published Dec. 11, 1923.
Dunlap & Co., New York, N. Y. Straw and felt hats. 180,056; Feb. 19; Serial No. 184,786; published Nov. 27, 1923.
Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Golf balls. 180,084; Feb. 19.
Duo-Art Belleek Co., Trenton, N. J., and Newtown Borough, Pa. Pottery ware. 179,956; Feb. 19; Serial No. 185,209; published Dec. 4, 1923.
Durable Products Co., The. (See Porter, Sidney C.)
Elephant Studios, San Francisco, Calif. Artists' sets for children. 180,034; Feb. 19; Serial No. 163,622; published Dec. 11, 1923.
Ellenbogen, Sidney A., Paterson, N. J. Wearing apparel. 179,901; Feb. 19; Serial No. 186,546; published Dec. 11, 1923.
Elliot, James F., doing business as Stillwater Orchards Co., Courtland, Calif. Fresh deciduous fruits. 180,060; Feb. 19; Serial No. 184,661; published Dec. 4, 1923.
Emblem Manufacturing Company, Angola, N. Y. Cycles. 180,000; Feb. 19; Serial No. 169,159; published Dec. 4, 1923.
Empire Cheese Company, New York, N. Y. Cheese. 180,027; Feb. 19; Serial No. 157,092; published Dec. 11, 1923.
Epperson, Frank W., Oakland, Calif. Frozen confections. 180,075; Feb. 19; Serial No. 180,330; published Dec. 11, 1923.
Espiem Company, The, New York, N. Y. Powder puffs. 180,010; Feb. 19; Serial No. 165,989; published Dec. 19, 1922.
Estate of J. M. Fey, by Peoples Savings & Trust Co., administrator, Hazleton, Pa. Coffee. 179,917; Feb. 19; Serial No. 183,472; published Dec. 4, 1923.
Fairbanks, E. and T., and Company, St. Johnsbury, Vt. Weighing apparatus and parts thereof. 179,799; Feb. 19; Serial No. 186,116; published Nov. 27, 1923.
Federal Coffee Company, The, Cleveland, Ohio. Coffee. 180,111; Feb. 19.
Fiberloid Corporation, The, Indian Orchard, Mass. Cellulose lacquer. 179,879; Feb. 19; Serial No. 187,613; published Dec. 11, 1923.
Fig Products Company of California. (See Schmidt, Carl.)
Fischer, B., & Co., Inc., New York, N. Y. Containers for coffee, tea, spices, rice, etc. 180,026; Feb. 19; Serial No. 154,181; published Dec. 11, 1923.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot-water boilers. 179,800; Feb. 19; Serial No. 186,121; published Nov. 27, 1923.
Foot Remedy Company, Chicago, Ill. Foot appliances or orthopedic pads or cushions. 179,878; Feb. 19; Serial No. 187,103; published Dec. 11, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 179,960; Feb. 19; Serial No. 185,114; published Nov. 20, 1923.
Frawley, Josephine B., doing business as Betsy Ross Candy Shops; Mrs. Frawley's Betsy Ross Candy Shops, and Mrs. Frawley's, Indianapolis, Ind. Candy. 180,039; Feb. 19; Serial No. 185,514; published Dec. 11, 1923.
Freedman, Benjamin S., Company, Scranton, Pa. Hair nets. 180,040; Feb. 19; Serial No. 185,515; published Dec. 4, 1923.
Fruit Haven Farm, Woodbury, Ga. Fresh peaches. 180,011; Feb. 19; Serial No. 166,053; published Dec. 11, 1923.
Fuller-Morrison Company, Chicago, Ill. Sanitary elastic woven belts and cotton napkins for women. 179,981; Feb. 19; Serial No. 185,218; published Dec. 4, 1923.
Gebhardt Chili Powder Co., San Antonio, Tex. Canned meat. 180,104; Feb. 19.
Georgia Granite Corporation, Elberton, Ga. Granite. 180,120; Feb. 19.
Geraldine Hat Co., New York, N. Y. Women's, misses', and children's hats. 180,002; Feb. 19; Serial No. 170,482; published Nov. 27, 1923.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 179,806; Feb. 19; Serial No. 186,009; published Nov. 13, 1923.
Globe Soap Company, The, Cincinnati, Ohio. Soap. 179,904; Feb. 19; Serial No. 186,363; published Dec. 11, 1923.
Goetze, Frederick, New Brunswick, N. J. Gaskets and metallic packing. 179,902; Feb. 19; Serial No. 186,551; published Dec. 4, 1923.
Goldberg, Louis, doing business as Louis Goldberg Furniture Co., St. Louis, Mo. Beds, household chairs and tables, dressers, etc. 180,133; Feb. 19.
Goldberg, Max, & Co., Inc., New York, N. Y. Work shirts. 179,900; Feb. 19; Serial No. 186,748; published Dec. 11, 1923.
Gordon Baking Co., Chicago, Ill. Bread. 179,870; Feb. 19; Serial No. 177,666; published Dec. 11, 1923.
Gordon, Cyrus P., New York, N. Y. Boys' shirts and blouses. 179,993; Feb. 19; Serial No. 185,455; published Dec. 4, 1923.
Gordon, Cyrus P., New York, N. Y. Boys' shirts and blouses. 180,037; Feb. 19; Serial No. 185,456; published Dec. 4, 1923.
Gordon, Maurice, Baltimore, Md. Mattresses, pillows, and box springs. 179,924; Feb. 19; Serial No. 183,923; published Dec. 11, 1923.
Grand Union Tea Co., Brooklyn, N. Y. Soap creams. 180,057; Feb. 19; Serial No. 184,497; published Dec. 11, 1923.
Gray Tractor Co., Inc., The, Minneapolis, Minn. Tractors and road-grading machines. 179,979; Feb. 19; Serial No. 185,120; published Dec. 4, 1923.
Green, Chas. Company, Inc., New York, N. Y. Paper covers. 179,906; Feb. 19; Serial No. 186,472; published Dec. 4, 1923.
Gross, George V., & Company, New York, N. Y., assignor to W. A. Sherry, Los Angeles, Calif. Food-flavoring extracts, saccharin, and vanilla beans. 180,122; Feb. 19.
Hamersley Manufacturing Company, The, New York, N. Y. Wax paper. 179,825; Feb. 19; Serial No. 181,445; published Dec. 4, 1923.
Handy, Herbert L., Springfield, Mass. Meat products. 179,998; Feb. 19; Serial No. 171,079; published Dec. 11, 1923.
Hanes Hosiery Mills Company, Winston-Salem, N. C. Hosiery. 179,992; Feb. 19; Serial No. 185,458; published Dec. 4, 1923.
Hanovia Chemical & Manufacturing Co., Newark, N. J. Quartz lamps. 179,978; Feb. 19; Serial No. 185,123; published Dec. 4, 1923.
Hanzel, Stanley F., doing business as S. F. Hanzel Card Co., Chicago, Ill. Playing cards. 179,915; Feb. 19; Serial No. 183,068; published Dec. 4, 1923.
Harris & Barnett, New York, N. Y. Ladies' muslin underwear. 180,044; Feb. 19; Serial No. 185,581; published Dec. 4, 1923.
Hartray, J. P., Shoe Co., Chicago, Ill. Boots and shoes. 180,054; Feb. 19; Serial No. 184,727; published Nov. 27, 1923.
Hass Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk, cotton, linen, and woolen piece goods. 179,923; Feb. 19; Serial No. 183,924; published Dec. 4, 1923.
Heckenhauer, Karl H., doing business as Inter-State Sales Company, Tipton, Ind. Brooder stoves. 180,096; Feb. 19.
Heller, E., & Company, Chicago, Ill. Insecticide preparation for repelling and killing flies. 180,083; Feb. 19.
Henry-Brown Company, Inc., Glendale, Calif. Nonalcoholic beverage and sirup used in preparation of same. 179,972; Feb. 19; Serial No. 187,311; published Dec. 4, 1923.
Herzog, Theodore, Los Angeles, Calif. Dance-floor dressing. 180,062; Feb. 19; Serial No. 184,243; published Dec. 11, 1923.
Hewitt Bros. Soap Co., The, Dayton, Ohio. Laundry soaps. 180,106; Feb. 19.
Hiergesell Brothers, Philadelphia, Pa. Calibrated surgical and clinical syringes. 180,082; Feb. 19; Serial No. 180,662; published Dec. 11, 1923.
Highland Hereford Breeder's Association, Marfa, Tex. Live calves and yearlings. 179,940; Feb. 19; Serial No. 185,785; published Dec. 11, 1923.

Hinck, Otto H., New York, N. Y. Cotton piece goods. 180,061; Feb. 19; Serial No. 180,664; published Dec. 4, 1923.
Hinton, Mary, St. Louis, Mo. Polish for automobiles, pianos, furniture, and woodwork. 179,955; Feb. 19; Serial No. 185,181; published Dec. 11, 1923.
Hodgman Rubber Company, Yonkers, N. Y. Waterproof covers for hats and caps. 179,854; Feb. 19; Serial No. 171,916; published Nov. 27, 1923.
Hofheimer Brothers Company, Norfolk, Va. Shoes. 179,920; Feb. 19; Serial No. 183,626; published Dec. 11, 1923.
Holophane Glass Company, New York, N. Y. Glass globes and reflectors for artificial light. 179,814; Feb. 19; Serial No. 182,813; published Dec. 4, 1923.
Holophane Glass Company, New York, N. Y. Glass globes and reflectors for artificial light. 179,827; Feb. 19; Serial No. 182,814; published Dec. 4, 1923.
Holt & Company, New York, N. Y. Wheat flour. 180,035; Feb. 19; Serial No. 115,504; published Dec. 11, 1923.
Hoos, Bernard J., Baltimore, Md. Ash trays. 179,907; Feb. 19; Serial No. 186,475; published Dec. 4, 1923.
Hooven & Allison Company, The, Xenia, Ohio. Tow ropes. 180,105; Feb. 19.
Howlett & Hockmeyer Co., Inc., New York, N. Y. Corduroys, velveteens, and cotton piece goods. 179,968; Feb. 19; Serial No. 184,855; published Nov. 20, 1923.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 179,965; Feb. 19. Serial No. 187,001; published Dec. 4, 1923.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 179,966; Feb. 19. Serial No. 186,999; published Dec. 4, 1923.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 179,971; Feb. 19; Serial No. 187,003; published Dec. 4, 1923.
Hunter, H. Blount, doing business as The Choc-o-Vita Company, Norfolk, Va. Food product composed of chocolate, cocoa, sugar, and milk. 180,070; Feb. 19; Serial No. 179,304; published Dec. 4, 1923.
I. C. Candy Co., Brooklyn, N. Y. Candies. 179,896; Feb. 19; Serial No. 186,791; published Dec. 11, 1923.
Illinois Brass Mfg. Co., Chicago, Ill. Gasoline-tank caps for vehicles. 180,105; Feb. 19.
Imperial Glass Company, Bellaire, Ohio. Ornamental and table glassware. 179,936; Feb. 19; Serial No. 185,929; published Dec. 4, 1923.
International Postal Supply Company of New York, The, New York and Brooklyn, N. Y. Check-indorsing machines. 179,976; Feb. 19; Serial No. 184,858; published Nov. 27, 1923.
International Postal Supply Company of New York, The, New York, and Brooklyn, N. Y. Check-indorsing machines. 179,977; Feb. 19; Serial No. 184,856; published Nov. 27, 1923.
International Rubber Co. of America, Anderson, Ind. Vehicle tires, including outer casings and inner tubes. 179,910; Feb. 19; Serial No. 186,276; published Dec. 4, 1923.
International Shoe Company, St. Louis, Mo. Women's shoes of leather. 180,049; Feb. 19; Serial No. 184,970; published Nov. 27, 1923.
Inter-State Sales Company. (See Heckenhauer, Karl H.)
Jackson, W. G., doing business as Jackson's Peach Blend Company, Spartanburg, S. C. Beverage sold as a soft drink. 180,088; Feb. 19.
Jefferson Silk Company, Inc., New York, N. Y. Piece goods made of silk and artificial silk. 179,944; Feb. 19; Serial No. 185,710; published Dec. 4, 1923.
Johns-Manville, Incorporated, New York, N. Y. Cotton cloth for use as an acoustical membrane. 179,922; Feb. 19; Serial No. 183,977; published Dec. 11, 1923.
Johns-Manville, Inc., New York, N. Y. Packing rings. 179,996; Feb. 19; Serial No. 171,540; published July 17, 1923.
Johnson, Scott W., Cincinnati, Ohio. Tonic, blood purifier, and body builder. 180,131; Feb. 19.
Katz Bros. Leather Goods Co., New York, N. Y. Traveling bags, suitcases, and hatboxes. 179,894; Feb. 19; Serial No. 186,843; published Dec. 11, 1923.
Kelp Water Company. (See Morriss, Herbert A.)
Keystone Refractories Company, Jersey City, N. J. Furnace mortar. 180,051; Feb. 19; Serial No. 184,913; published Dec. 4, 1923.
Kilgore Mfg. Co., The, Westerville, Ohio. Toy pistols. 179,877; Feb. 19; Serial No. 186,914; published Dec. 4, 1923.
Kirsch, H., & Company, Brooklyn, N. Y. Ginger ale, sarsaparilla, etc., sold as soft drinks and sirups for making the same. 179,880; Feb. 19; Serial No. 187,319; published Dec. 4, 1923.
Kiensch, J. W., & Co. Incorporated, New York, N. Y. Cheese. 180,021; Feb. 19; Serial No. 159,709; published Dec. 11, 1923.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Bleached cotton piece goods. 179,913; Feb. 19; Serial No. 183,215; published Dec. 4, 1923.
Koenig, Henry J., Co., The, Cincinnati, Ohio. Coffee. 180,109–10; Feb. 19.
Koncrete Exterior Stucco Company. (See Platner, William H.)
Kroudvird, Abram, New Bedford, Mass. Bread. 179,868; Feb. 19; Serial No. 178,048; published Dec. 11, 1923.
La Crosse Rubber Mills Co., La Crosse, Wis. Rubber boots and shoes. 179,999; Feb. 19; Serial No. 171,370; published Dec. 4, 1923.
Lakeside Forge Company, Erie, Pa. Tools, particularly pliers and wrenches. 179,850; Feb. 19; Serial No. 185,660; published Dec. 4, 1923.
Lanton Auto Equipment Company, Incorporated, New York, N. Y. Automobile luggage carriers. 179,934; Feb. 19; Serial No. 185,972; published Nov. 27, 1923.
Laundry Age Publishing Company, Inc., New York, N. Y. Periodical. 180,029; Feb. 19; Serial No. 152,181; published Nov. 13, 1923.
Laval Chemical Co., The, Holyoke, Mass. Ointment for the treatment of lumbago, neuralgia, etc. 180,101; Feb. 19.
Le Baron, Oscar J., doing business as The Le Baron Co., Healdsburg, Calif. Fresh grapes. 179,943; Feb. 19; Serial No. 185,661; published Dec. 4, 1923.
Leek Brothers, Morristown, N. J. Painters' and decorators' drop cloths. 180,030; Feb. 19; Serial No. 150,969; published Dec. 4, 1923.
Leoncavallo Sauce Company. (See Caporale, Pasquale A.)
Levy J. P., Shoe Co. Inc., Hartford, Conn. Boots and shoes. 179,812; Feb. 19; Serial No. 182,662; published Dec. 4, 1923.
Lew-Mar Products Company, New York, N. Y. Rubber bathing caps and water guards for bathing caps. 179,818; Feb. 19; Serial No. 182,475; published Dec. 4, 1923.
Lilly, Eli, & Company, The, Indianapolis, Ind. Table salt containing iodine. 180,107; Feb. 19.
Linder, Harry E., Los Angeles, Calif. Coffee, spices, peanut butter, salad oil, etc. 179,817; Feb. 19; Serial No. 182,157; published Dec. 4, 1923.
Listerated Gum Corporation, New York, N. Y. Chewing gum. 180,045; Feb. 19; Serial No. 184,978; published Dec. 11, 1923.
Listerated Gum Corporation, New York, N. Y. Chewing gum. 180,048; Feb. 19; Serial No. 184,977; published Dec. 11, 1923.
Lonsdale Co., Providence, R. I. Cambrics and nainsooks. 179,844; Feb. 19; Serial No. 185,714; published Nov. 20, 1923.
Lorraine Manufacturing Company, Pawtucket, R. I. Cotton, silk and cotton, and silk and wool piece goods. 180,098; Feb. 19.
Los Angeles Foundry Company, Los Angeles, Calif. Steel and iron castings. 179,802; Feb. 19; Serial No. 186,018; published Dec. 4, 1923.
Lowengart & Company, Portland, Oreg. Ladies' hats. 180,061; Feb. 19; Serial No. 184,208; published Nov. 27, 1923.
Macbeth-Evans Glass Company, Pittsburgh, Pa. Glass lamp chimneys. 180,118; Feb. 19.
Macy, R. H., & Co., Inc., New York, N. Y. Men's and young men's overcoats. 179,932; Feb. 19; Serial No. 186,146; published Dec. 11, 1923.
Maine Seed Potato Growers. (See Phillips & Company.)
Maloney, William A., Newton, Mass. Detachable shoe heels. 180,135; Feb. 19.
Mani-Fold Company, The, Cleveland, Ohio. Blank forms. 180,004; Feb. 19; Serial No. 168,773; published Dec. 4, 1923.
Martinez, F. T., & Sons, Brownsville, Tex. Hatbands. 179,912; Feb. 19; Serial No. 183,452; published Nov. 27, 1923.
Massachusetts Baking Company, doing business as Six Bakers, Springfield, Mass. Bread. 179,859; Feb. 19; Serial No. 174,582; published Dec. 11, 1923.
McCall Grolier Co., Cincinnati, Ohio. Fruit-nut sandwich. 179,864; Feb. 19; Serial No. 176,414; published Dec. 11, 1923.
McCallum Hosiery Co., Northampton, Mass. Hosiery. 179,804; Feb. 19; Serial No. 186,562; published Dec. 4, 1923.
McCurrach, James, & Brother, New York, N. Y. Neckties. 179,899; Feb. 19; Serial No. 186,655; published Dec. 11, 1923.
McKee Glass Company, Jeannette, Pa. Sets of glass cooking ware for children. 179,888; Feb. 19; Serial No. 187,261; published Dec. 4, 1923.
Mecke & Co., New York, N. Y. Coffee. 179,916; Feb 19; Serial No. 183,529; published Dec. 4, 1923.
Mei Ren Company, Inc., Shanghai, China. Games played with pieces somewhat similar to dominoes. 180,058; Feb. 19; Serial No. 184,556; published Dec. 4, 1923.
Meiniker Hammock Mfg. Co., Inc., Brooklyn, N. Y. Combination baby hammock and swing and canopy for same. 180,142; Feb. 19.
Mestre, Lillian, New York, N. Y. Compound for cleansing and polishing woodwork, furniture, etc. 179,941; Feb. 19; Serial No. 185,759; published Dec. 11, 1923.
Miller, R. T., Jr., Chicago, Ill. Monthly magazine. 179,903; Feb. 19; Serial No. 186,603; published Dec. 11, 1923.
Mills, James, Orchards Corporation, Hamilton City, Calif. Oranges and lemons. 179,891; Feb. 19; Serial No. 186,797; published Dec. 11, 1923.
Mills, James, Orchards Corporation, Hamilton City, Calif. Fresh citrous fruits and pears. 179,897; Feb. 19; Serial No. 186,796; published Dec. 11, 1923.
Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 180,003; Feb. 19; Serial No. 168,896; published Dec. 4, 1923.
Minute Tapioca Company, Orange, Mass. Tapioca preparations. 180,073; Feb. 19; Serial No. 180,546; published Dec. 4, 1923.

Montague, B. F., Company Inc., New York, N. Y. Fabric gloves. 180,077; Feb. 19; Serial No. 181,084; published Dec. 4, 1923.
Morisse Lace & Embroidery Co., St. Louis, Mo. Laces, handkerchiefs, embroideries, and silk goods. 179,869; Feb. 19; Serial No. 177,985; published Dec. 4, 1923.
Morriss, Herbert A., doing business as Kelp Water Company, Minneapolis, Minn. Remedy as a preventive in the development of simple goiter. 180,112; Feb. 19.
Moss, Edgar A., Marion, Ind. Newspaper columns. 179,929; Feb. 19; Serial No. 186,243; published Dec. 11, 1923.
Mound City Bottling Company, St. Louis, Mo. Beverage and a syrup for making same. 180,124–5; Feb. 19.
Mueller, Hugo K., Chicago, Ill. Medicine. 180,099; Feb. 19.
Murdoff-Spicer Manufacturing Company, Los Angeles, Calif. Pipe and boiler insulating materials and refrigerator-pipe insulations. 180,066; Feb. 19; Serial No. 178,057; published Dec. 4, 1923.
Namco Products Corporation, New York, N. Y. Hair nets. 179,958; Feb. 19; Serial No. 185,307; published Dec. 4, 1923.
Namco Products Corporation, New York, N. Y. Hair nets. 179,964; Feb. 19; Serial No. 185,308; published Nov. 13, 1923.
National Mayonnaise Machine Company, Brooklyn, N. Y. Mayonnaise-making machines. 179,837; Feb. 19; Serial No. 185,335; published Dec. 4, 1923.
National Renovating & Supply Co., Kansas City, Mo. Furniture and automobile polish. 179,949; Feb. 19; Serial No. 185,138; published Dec. 11, 1923.
National Renovating & Supply Co., Kansas City, Mo. Cleansing and disinfectant compounds for floors. 179,950; Feb. 19; Serial No. 185,140; published Dec. 11, 1923.
National Renovating & Supply Co., Kansas City, Mo. Liquid paint and varnish remover. 179,983; Feb. 19; Serial No. 185,135; published Dec. 4, 1923.
Necol Industrial Collodions, Limited, London, England. Plastic preparation. 179,988; Feb. 19; Serial No. 185,375; published Dec. 4, 1923.
Nelson Meat Company, San Francisco, Calif. Bacon, hams, lard, sausage. 179,811; Feb. 19; Serial No. 182,519; published Dec. 11, 1923.
Newman & Co., New York, N. Y. Hosiery for men. 179,991; Feb. 19; Serial No. 185,492; published Dec. 4, 1923.
Noack, Walter G., Stockton, Calif. Water-pressure systems, pumps, and engines and parts thereof. 179,794; Feb. 19; Serial No. 186,246; published Dec. 4, 1923.
Noesting Pin Ticket Company, Incorporated, Mount Vernon, N. Y. Pin tickets, paper clips, tags, and thumb tacks. 180,007; Feb. 19; Serial No. 166,199; published Dec. 4, 1923.
Norris, Viola B., Montclair, N. J. Candy. 179,959; Feb. 19; Serial No. 185,259; published Dec. 11, 1923.
North Dighton Stove Company, Taunton, Mass. Coal stoves and ranges. 180,130; Feb. 19.
Omaha Cold Storage Company, Omaha, Nebr. Condensed buttermilk. 180,139; Feb. 19.
Ontario Milling Company, Incorporated, Oswego, N. Y. Dairy feeds. 180,022; Feb. 19; Serial No. 160,297; published Dec. 11, 1923.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics, also silk ribbons. 179,951; Feb. 19; Serial No. 185,141; published Dec. 4, 1923.
O-San Company, St. Louis, Mo. Medicinal preparations. 180,089; Feb. 19.
Osakeyhtio Savo, Ltd., Kuopio, Finland. Matches. 179,873; Feb. 19; Serial No. 187,483; published Dec. 4, 1923.
Osakeyhtio Savo, Ltd., Kuopio, Finland. Matches. 179,882–3; Feb. 19; Serial Nos. 187,481–2; published Dec. 4, 1923.
Pabst Farms, Summit and Oconomowoc, assignor to Pabst Holstein Farms, Milwaukee, Wis. Cheese. 179,826; Feb. 19; Serial No. 181,495; published Dec. 11, 1923.
Pabst Holstein Farms. (See Pabst Farms, assignor.)
Pangburn Company, also doing business as Pangburn's, Fort Worth, Tex. Candy. 179,921; Feb. 19; Serial No. 183,535; published Dec. 11, 1923.
Paulus, Richard, Freiburg, Germany. Preparation for cleaning stringed instruments. 179,952; Feb. 19; Serial No. 185,146; published Dec. 11, 1923.
Peerless Cotton Mills, Thomaston, Ga. Sheets, sheeting, pillowcases, etc. 179,911; Feb. 19; Serial No. 182,989; published Dec. 4, 1923.
Peerless Cotton Mills, Thomaston, Ga. Sheets, sheeting, pillowcases, etc. 179,963; Feb. 19; Serial No. 182,991; published Dec. 4, 1923.
Penn Bros., Lawrence, Mass. Catamenial bandages. 180,117; Feb. 19.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Pillowcases. 179,843; Feb. 19; Serial No. 185,871; published Nov. 13, 1923.
Pennsylvania Novelty Mfg. Co., Philadelphia, Pa. Table sweepers. 180,113; Feb. 19.
Peoples Savings & Trust Co., administrator. (See estate of J. M. Fey.)
Perelstine, Morris S., Pittsburgh, Pa. Shoes. 180,006; Feb. 19; Serial No. 167,893; published Dec. 4, 1923.
Phillips & Company, Inc., doing business as Maine Seed Potato Growers, Boston, Mass. Table potatoes. 179,946; Feb. 19; Serial No. 185,646; published Dec. 11, 1923.
Phillips & Company, Inc., doing business as Maine Seed Potato Growers, Boston, Mass. Seed potatoes. 179,947–8; Feb. 19; Serial Nos. 185,644–5; published Dec. 11, 1923.
Phillips & Company, Inc., doing business as Maine Seed Potato Growers, Boston, Mass. Table potatoes. 179,957; Feb. 19; Serial No. 185,643; published Dec. 11, 1923.
Phillips, Sidney M., doing business as Phillips Milling Co., Sacramento, Calif. Rice. 180,140; Feb. 19.
Phoenix Leather Goods Co., New York, N. Y. Leather goods and leather novelties. 179,905; Feb. 19; Serial No. 186,445; published Dec. 11, 1923.
Phospho Food Co. Inc., Los Angeles, Calif. Breakfast cereal and remedial food. 180,014; Feb. 19; Serial No. 165,716; published Dec. 11, 1923.
Pierce, S. S., Co., Boston, Mass. Fruit sirups for soft drinks. 180,078; Feb. 19; Serial No. 181,041; published Dec. 4, 1923.
Pincus & Tobias Inc., Brooklyn, N. Y. Leather shoes. 180,050; Feb. 19; Serial No. 184,917; published Nov. 27, 1923.
Pine Ridge Coal Company, Detroit, Mich. Semibituminous coal. 179,989; Feb. 19; Serial No. 185,310; published Dec. 4, 1923.
Pioneer Products Co., The, Dayton, Ohio. Preparation for cleaning and removing stains from painted surfaces, tile, carpet, etc. 179,819; Feb. 19; Serial No. 181,508; published Dec. 11, 1923.
Pioneer Products Co., The, Dayton, Ohio. Preparation for cleaning and removing stains from painted surfaces, tiles, rugs, etc. 179,829; Feb. 19; Serial No. 181,308; published Dec. 11, 1923.
Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 180,005; Feb. 19; Serial No. 167,097; published Dec. 4, 1923.
Platner, William H., doing business as Koncrete Exterior Stucco Company, Omaha, Nebr. Portland-cement stucco mixture. 179,997; Feb. 19; Serial No. 170,786; published Dec. 4, 1923.
Porter, Sidney C., doing business as The Durable Products Co., East Liverpool, Ohio. Coating composition for preserving the luster of polished metal surfaces. 180,116; Feb. 19.
Poulsen, Dana C., Santa Rosa, Calif. Fountain syringes, hot-water bags, and water bags. 179,858; Feb. 19; Serial No. 175,156; published Dec. 11, 1923.
Pressed Prism Plate Glass Company, Morgantown, W. Va. Glass. 179,881; Feb. 19; Serial No. 187,346; published Dec. 4, 1923.
Pride Underwear Co. Inc., New York, N. Y. Men's textile-fabric underwear. 179,995; Feb. 19; Serial No. 185,535; published Dec. 4, 1923.
Pro-Tar Manufacturing Company, The, Kansas City, Mo. Liquid preparation used for concrete and metal tank lining. 180,046; Feb. 19; Serial No. 185,041; published Dec. 4, 1923.
Prudence-Bonds Corporation, New York, N. Y. Vendible coupon bonds, coupons, certificate of stock, etc. 179,831–2; Feb. 19; Serial Nos. 185,988–9; published Nov. 27, 1923.
Prudence-Bonds Corporation, New York, N. Y. Vendible coupon bonds, coupons, certificate of stocks, etc. 179,835; Feb. 19; Serial No. 185,987; published Nov. 27, 1923.
Purity Maid Products Company, New Albany, Ind. Fresh milk and cream, butter, cheese, and ice cream. 179,821; Feb. 19; Serial No. 181,775; published Dec. 11, 1923.
Radio Record Publishing Company. (See Boright, Thos. A.)
Rains, S. E., doing business as S. E. Rains Company, New York, N. Y. Kerchiefs and handkerchiefs. 180,032; Feb. 19; Serial No. 151,521; published Dec. 4, 1923.
Reach, Abraham L., doing business as A. L. Reach Textile Co., New York, N. Y. Bed comforts. 179,842; Feb. 19; Serial No. 185,795; published Nov. 13, 1923.
Regan, Henry G., New York, N. Y. Publication issued weekly. 180,047; Feb. 19; Serial No. 185,091; published Dec. 4, 1923.
Reilly, John R., Los Angeles, Calif. Inner tubes and rubber-tire covers. 179,961; Feb. 19; Serial No. 185,230; published Dec. 4, 1923.
Remmers Soap Company, The, Cincinnati, Ohio. Soap. 180,114–15; Feb. 19.
Republic Rubber Company, The, Youngstown, Ohio. Fire and garden hose. 179,898; Feb. 19; Serial No. 186,614; published Dec. 4, 1923.
Rodiger, Walter G., doing business as Cheeri-o Shoppe, Pasadena, Calif. Candy. 179,962; Feb. 19; Serial No. 182,997; published Dec. 11, 1923.
Rosenberg Bros. & Co., San Francisco, Calif. Rice and rice flour. 180,019; Feb. 19; Serial No. 161,062; published Dec. 11, 1923.
Rosenwasser Bros., Inc., Astoria, N. Y. Leather shoes. 180,013; Feb. 19; Serial No. 164,071; published Dec. 4, 1923.
Roseth Corporation, The, Brooklyn, N. Y. Mothproof bags. 179,986; Feb. 19; Serial No. 185,265; published Nov. 27, 1923.
Royal Worcester Corset Company, Worcester, Mass. Corsets, corset waists, brassières, etc. 180,068; Feb. 19; Serial No. 179,744; published Nov. 13, 1923.
Ryerson, Mell, doing business as South Side Cafe, Marengo, Iowa. Ice-cream confection. 179,942; Feb. 19; Serial No. 185,723; published Dec. 4, 1923.

Sacks, Herman, Chicago, Ill. Women's underwear composed of textile fabrics, bloomers, bathing and athletic suits. 180,025; Feb. 19; Serial No. 158,736; published Nov. 27, 1923.
Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 180,128; Feb. 19.
Schmidt, Carl, doing business as Fig Products Company of California, Figarden, Calif. Preserved figs and fig butter. 179,822; Feb. 19; Serial No. 181,913; published Dec. 11, 1923.
Schoedinger, F. O., Columbus, Ohio. Linen and clothes hampers, trays, cans, cornerbs, etc. 179,853; Feb. 19; Serial No. 172,178; published Dec. 11, 1923.
Schreiber Products Corporation, Buffalo, N. Y. Malt sugar for baking purposes. 180,036; Feb. 19; Serial No. 185,498; published Dec. 4, 1923.
Schreter, Adolf, Baltimore, Md. Neckties. 179,892; Feb. 19; Serial No. 186,804; published Dec. 11, 1923.
Schwab, David E., & Company Inc., New York, N. Y. Net and silk lace piece goods, etc. 180,042; Feb. 19; Serial No. 185,093; published Dec. 4, 1923.
Schwars, Max, Textile Corporation, New York, N. Y. Voile in the piece. 179,836; Feb. 19; Serial No. 185,797; published Nov. 20, 1923.
Scotford, Baron H., Atlantic City, N. J. Animated-shadow-casting devices for use as novelties, etc. 180,017; Feb. 19; Serial No. 161,653; published Dec. 11, 1923.
Seacoast Canning Co., The, Eastport, Me. Canned tunny fish. 179,975; Feb. 19; Serial No. 185,094; published Dec. 4, 1923.
Security Metal Products Co., The, Cincinnati, Ohio. Screw caps, tops, and covers for bottles, jars, cans, etc. 179,919; Feb. 19; Serial No. 183,762; published Dec. 4, 1923.
Security Rubber and Belting Company, Chicago, Ill. Belting. 179,848; Feb. 19; Serial No. 185,624; published Dec. 4, 1923.
Seelig, Sam, Co., Los Angeles, Calif. Grape juice. 179,874; Feb. 19; Serial No. 187,542; published Dec. 4, 1923.
Seven-O-Co., The, Philadelphia, Pa. Vinegar. 179,928; Feb. 19; Serial No. 184,042; published Dec. 4, 1923.
Shafer-Cave Creamery Co., Inc., Joplin, Mo. Butter. 180,086; Feb. 19.
Sheet Metal Products Co., Minneapolis, Minn. Warm-air furnaces. 180,087; Feb. 19.
Sherry, William A. (See Gross, George V., & Company, assignor.)
Shiffer Products Company, The, Cleveland, Ohio. Automobile soap. 179,938; Feb. 19; Serial No. 185,846; published Dec. 11, 1923.
Silberstein, Joseph, New York, N. Y. Handkerchiefs. 179,838; Feb. 19; Serial No. 185,847; published Nov. 20, 1923.
Simon Milling Supply Co., San Francisco, Calif. Ladies' hats. 179,813; Feb. 19; Serial No. 182,726; published Nov. 27, 1923.
Sioux Candy Company, Sioux City, Iowa. Candy. 180,053; Feb. 19; Serial No. 184,687; published Dec. 4, 1923.
Six Bakers. (See Massachusetts Baking Company.)
Smith, Charles C., New York, N. Y. Knitted bathing suits. 179,908; Feb. 19; Serial No. 186,252; published Dec. 11, 1923.
Smith, J. Franklyn, Seattle, Wash. Salves. 180,092; Feb. 19.
Smith and Smith, Bonaparte, Iowa. Playing cards. 180,134; Feb. 19.
Snyderize Co., The, Hanford, Calif. Preparation for preserving, softening, and waterproofing leathers. 180,038; Feb. 19; Serial No. 185,318; published Dec. 11, 1923.
Societe Anonyme des Chaussures F. Pinet, Paris, France. Leather boots and shoes. 179,820; Feb. 19; Serial No. 181,706; published Dec. 4, 1923.
South Side Cafe. (See Ryerson, Mell.)
Southern Yarn Exchange, Baltimore, Md. Art needlework. 179,828; Feb. 19; Serial No. 181,151; published Dec. 4, 1923.
Spinelli, Nick F., New York, N. Y. Fruit ice cream. 179,914; Feb. 19; Serial No. 183,170; published Dec. 11, 1923.
Staley, A. E., Manufacturing Company, Decatur, Ill. Corn sugar. 180,069; Feb. 19; Serial No. 179,687; published Dec. 11, 1923.
Standard Nut Margarine Co., Indianapolis, Ind. Oleomargarine. 180,016; Feb. 19; Serial No. 161,649; published Dec. 11, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 179,798; Feb. 19; Serial No. 186,203; published Nov. 27, 1923.
Standard Oil Company of Louisiana, Baton Rouge, La. Floor oil and dressing and liquid gloss. 180,126; Feb. 19.
Stanley Works, New Britain, Conn. Hinges. 179,970; Feb. 19; Serial No. 184,692; published Dec. 4, 1923.
Stephens, Franklin, Atlantic City, N. J. Hand soaps. 180,031; Feb. 19; Serial No. 161,104; published Dec. 11, 1923.
Stillwater Orchards Co. (See Elliot, James F.)
Street & Smith Corporation, New York, N. Y. Magazines. 179,931; Feb. 19; Serial No. 186,166; published Dec. 11, 1923.
Sullivan Machinery Company, Boston, Mass., and Chicago, Ill. Mining machine trucks. 180,102; Feb. 19.
Swarts, Milton D., doing business as Baltimore Water Paint Company, Baltimore, Md. Paints. 179,967; Feb. 19; Serial No. 186,810; published Dec. 4, 1923.
Tamal Packing Co., San Francisco, Calif. Canned fruits and vegetables. 179,823; Feb. 19; Serial No. 181,920; published Dec. 11, 1923.
Tawas Candy Company. (See Widdis, Albert.)
Texas Gulf Sulphur Company, New York, N. Y. Fusible sulphur composition for tanks, etc. 179,893; Feb. 19; Serial No. 186,811; published Dec. 4, 1923.
Thompson-Barlow Company, Inc., The, New York, N. Y. Electrically-heated head caps. 180,091; Feb. 19.
Trautman, C., & Company, Cincinnati, Ohio. Leather. 179,795; Feb. 19; Serial No. 186,303; published Dec. 4, 1923.
Truscon Steel Company, doing business as The Truscon Laboratories, Detroit, Mich. Paint, oil, oleo-resinous and varnish enamels, stains, etc. 180,071; Feb. 19; Serial No. 179,244; published Dec. 11, 1923.
Tyer Rubber Company, Andover, Mass. Balls. 179,816; Feb. 19; Serial No. 181,966; published Dec. 4, 1923.
Ulmann, Bernhard, Co., Inc., New York, N. Y. Yarns. 180,065; Feb. 19; Serial No. 178,150; published May 8, 1923.
Van Camp Sea Food Company, Los Angeles, Calif. Canned fish, fruits, vegetables, and olives. 179,953; Feb. 19; Serial No. 185,165; published Dec. 4, 1923.
Victorius, A. V., & Co., New York, N. Y. Hosiery. 179,834; Feb. 19; Serial No. 185,944; published Dec. 4, 1923.
Voss & Stern, New York, N. Y. Silk and cotton piece goods. 179,994; Feb. 19; Serial No. 185,545; published Nov. 20, 1923.
Wadhams Oil Company, Milwaukee, Wis. Lubricant for pipe-thread connections. 179,889; Feb. 19; Serial No. 186,860; published Dec. 11, 1923.
Waldes & Co., Inc., Long Island City, N. Y. Snap fasteners. 180,121; Feb. 19.
Wall, Streeter & Doyle Co., North Adams, Mass. Shoes. 180,052; Feb. 19; Serial No. 184,807; published Nov. 27, 1923.
Wallerstein Plantations, Inc., New York, N. Y. Fresh citrous fruits and fresh vegetables. 179,871; Feb. 19; Serial No. 177,532; published Dec. 11, 1923.
Warren Soap Manufacturing Company, Boston, Mass. Soap. 180,009; Feb. 19; Serial No. 166,966; published Dec. 11, 1923.
Watson Food Products Co., Inc., The, Fort Plain, N. Y. Prepared dough. 180,090; Feb. 19.
Watson, James H., Los Angeles, Calif. Preparation for rheumatism, neuralgia, neuritis, etc. 180,097; Feb. 19.
White, R. H., Company, Boston, Mass. Corsets, brassières, hats, caps, and women's and children's dresses and waists. 180,020; Feb. 19; Serial No. 159,071; published Aug. 15, 1922.
Whitebead, Howard C., Salem, N. J. Potatoes. 180,080; Feb. 19; Serial No. 180,915; published Dec. 11, 1923.
Whitney & Davis Company, Plainville, Mass. Metal plates for removing foreign matter from or in cleaning metal ware. 179,960; Feb. 19; Serial No. 185,275; published Dec. 11, 1923.
Widdis, Albert, doing business as Tawas Candy Company, Tawas City, Mich. Candy. 180,055; Feb. 19; Serial No. 184,777; published Dec. 11, 1923.
Williamson, Jas., & Son. (See Ashton, James, Baron.)
Wilmington Provision Company, Wilmington, Del. Packing-house products. 180,023; Feb. 19; Serial No. 158,808; published Dec. 4, 1923.
Wilmington Provision Company, Wilmington, Del. Packing-house products. 180,024; Feb. 19; Serial No. 158,809; published Dec. 4, 1923.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 179,839; Feb. 19; Serial No. 185,773; published Nov. 20, 1923.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 179,840–1; Feb. 19; Serial Nos. 185,774–5; published Nov. 13, 1923.
Wise, Ira O., Marionville, Mo. Butter. 180,064; Feb. 19; Serial No. 178,650; published Dec. 11, 1923.
Wojtasinski, Katherine, doing business as W. Wojtasinski Drug Co., Boston, Mass. Cathartic medicine. 180,129; Feb. 19.
Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype casting, cooling, and finishing machines. 179,964; Feb. 19; Serial No. 186,736; published Dec. 4, 1923.
Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype casting, cooling, and finishing machines. 179,805; Feb. 19; Serial No. 186,735; published Dec. 4, 1923.
Wool, F. G., Packing Company, San Jose, Calif. Canned fruits. 179,982; Feb. 19; Serial No. 185,168; published Dec. 4, 1923.
Wooley, Glenn C., Hale, Colo. Medicine for the treatment of asthma and hay fever. 180,100; Feb. 19.
X-Cel-All Co., Ltd., The, Chicago, Ill. Electric-light globes. 179,872; Feb. 19; Serial No. 187,499; published Dec. 4, 1923.
Zesbaugh, Paul L., Minneapolis, Minn. Garters. 180,108; Feb. 19.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Advance Automobile Accessories Corporation, Chicago, Ill. Advance Feltbak (Without Corks) Transmission Lining. For Transmission Linings. 26,942; Feb. 19.
Allen-Qualley Company, St. Paul, Minn. The Sheik. For Candy. 26,943; Feb. 19.
Chicago Roller Skate Company, Chicago, Ill. The Real Steer Sled. For Sleds. 26,944; Feb. 19.
Everett, Edward H., Co., The, Bennington, Vt. Everett Orchards of Vermont. For Apples. 26,945; Feb. 19.
First National Laboratories, Inc., Lehighton, Pa. Dr. White's Laxative Vegetable Liver Pills. For Pills for the Relief of Constipation and Biliousness. 26,946; Feb. 19.
Gelfand Manufacturing Co., The, Baltimore, Md. Gelfand's Combination Relish. For Combination Relish. 26,947; Feb. 19.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Pure Egg Alphabets. For Pure Egg Alphabets. 26,948; Feb. 19.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Patent Meal. For Matsoth Meal. 26,949; Feb. 19.
Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Pure Egg Flakes. For Pure Egg Flakes. 26,950; Feb. 19.
Heller, B., & Company, Chicago, Ill. $1000.00 Guaranteed Toes-Up. For Insecticide for Killing Flies and Mosquitoes. 26,951; Feb. 19.
Holstein Friesian Association of America, The, Chicago, Ill. White Nectar Holstein Milk. For Milk. 26,952; Feb. 19.
Kleckner, J. W., Cloquet, Minn. Kleckner's Hair New. For Preparation for Use in Hair Dressing and as a Hair Preserver and Restorer. 26,953; Feb. 19.
Loufek, Joseph, Keokuk, Iowa. Waffled Whole Wheat. For Cereal Foods. 26,954; Feb. 19.
Lytle, R. J., Chicago, Ill. Garcia Corona. For Cigars. 26,955; Feb. 19.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Springfield Dairy Products Co., Springfield, Ohio. Springfield Dairy Products Co. Creamery Butter. For Butter. 26,956; Feb. 19.
Milwaukee Paper Box Co., Milwaukee, Wis. Assorted Kisses. For Cartons Containing Candy. 26,957; Feb. 19.
Milwaukee Paper Box Co., Milwaukee, Wis. Cinnamon Balls. For Candy. 26,958; Feb. 19.
Milwaukee Paper Box Co., Milwaukee, Wis. Chocolates. For Boxes Containing Candy. 26,959; Feb. 19.
Motor-Kleen Corporation, Long Island City, N. Y. Motor-Kleen. For Carbon Remover for Gas Engines. 26,960; Feb. 19.
National Food Corporation. (See Sterrick, Harrison D.)
National Licorice Company, Brooklyn, N. Y. Tongue Twisters. For Licorice Candy. 26,961; Feb. 19.
National Packing Corporation, Ogden, Utah. Napaco. For Canned Kraut. 26,962; Feb. 19.
National Packing Corporation, Ogden, Utah. Blue Bunny. For Canned Tomatoes. 26,963; Feb. 19.
National Packing Corporation, Ogden, Utah. Red Mount. For Canned Tomatoes. 26,964; Feb. 19.
National Packing Corporation, Ogden, Utah. Sunny Garden. For Canned Tomatoes. 26,965; Feb. 19.
Quinn-Marshall Company, Lynchburg, Va. Moss-Rose. For Bleached Cotton, Cambrics, and Nainsooks. 26,966; Feb. 19.
Raas, Jos. C., San Francisco, Calif. Lyons' California Orchard Scenes, Series No. 1. For Glace Fruits. 26,967; Feb. 19.
Rheumatism Herb Co., The, Detroit, Mich., and Los Angeles, Calif. Rheum-A-Herbo. For Remedy for Rheumatism in All Its Forms. 26,968; Feb. 19.
Rowe-Williams, Inc., Newark, N. J. Nu-Dri Visible Stencil. For Cutting Stencils for Duplication Machines. 26,969; Feb. 19.
Sankey, David W., Mifflinburg, Pa. Sankey's Life Of Leather. For a Waterproof Leather Preserver for Belting, Harness, Shoes, and All Kinds of Leather. 26,970; Feb. 19.
Schranck, H. C., Company, Milwaukee, Wis. High Life. For Ginger Ale. 26,971; Feb. 19.
Schulze Baking Company, Chicago, Ill. Schulze's Potato Rolls. For Rolls. 26,972; Feb. 19.
Schulze Baking Company, Chicago, Ill. Schulze's Coffee Cake. For Coffee Cake. 26,973; Feb. 19.
Schulze Baking Company, Chicago, Ill. Honey Girl. For Buns. 26,974; Feb. 19.
Smith, Sidney, Chicago, Ill. The Gump Family. For Candy. 26,975; Feb. 19.
Smith's, F. X., Sons Co., McSherrystown, Pa. Smile Of Cuba. For Cigars. 26,976; Feb. 19.
Springfield Dairy Products Co. (See Menasha Printing and Carton Company, assignor.)
Sterrick, Harrison D., doing business as National Food Corporation, Pittsburgh, Pa. Wurzburger Malt Supreme. For Malt Extract or Sirup. 26,977; Feb. 19.
Thyro-Logen Laboratories, Inc., Los Angeles, Calif. Thyro-Logen A Halogen Bearing Food. For a Medicinal Preparation (Food for Thyroid Gland). 26,978; Feb. 19.
Thyro-Logen Laboratories, Inc., Los Angeles, Calif. Thyro-Logen is a healthful, harmless food for the Thyroid gland. For a Medicinal Preparation (Food for Thyroid Gland). 26,979; Feb. 19.
Two-Minute Jelly Company, Indianapolis, Ind. 2 Minute. For Jelly. 26,980; Feb. 19.
Utah Canning Company, The, Ogden, Utah. Pierce's. For Tomatoes. 26,981; Feb. 19.
Whitaker, J. F., Salt Lake City, Utah. Whitaker's Blue Point. For Cigars. 26,982; Feb. 19.
Widlar Co., The, Cleveland, Ohio. Rose Bud. For Coffee. 26,983; Feb. 19.
Wimberley Grocer Company, Jonesboro, Ark. First Call. For Tomatoes. 26,984; Feb. 19.
Winter Haven Citrus Growers Association, Winterhaven, Fla. Umpire. For Citrous Fruits. 26,985; Feb. 19.
Winter Haven Citrus Growers Association, Winterhaven, Fla. Capidome. For Citrous Fruits. 26,986; Feb. 19.
Wollstein, Richmond, Rome, Ga. Spotlight. For Hosiery. 26,987; Feb. 19.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Caldwell Manufacturing Company, The, Columbus, Ohio. It's better when—It's Cal'd-Well. For Cribs. 7,183; Feb. 19.
Cream of Wheat Co., Minneapolis, Minn. Some Like It Hot, Some Like It Cold. For Wheat Breakfast Food. 7,184; Feb. 19.
Cream of Wheat Co., Minneapolis, Minn. A Model diet table for the baby. For Wheat Breakfast Food. 7,185; Feb. 19.
Empire Paper Products Corporation, New York, N. Y. Bunny Money Bank. For Paper Banks. 7,186; Feb. 19.
Fain Knitting Mills, Inc., New York, N. Y. Famous Fain Kamel Koat. For Sweaters and Sweater Coats. 7,187; Feb. 19.
Fain Knitting Mills, Inc., New York, N. Y. Famous Fain Useful Knitted Gifts for Xmas Greetings. For Hosiery, Underwear, Sweaters, and Knitted Products. 7,188; Feb. 19.
Gisiger, Hans, doing business as Times Watch Co., New York, N. Y. Oblique projection. For Watches and Watch Movements. 7,189; Feb. 19.
Kirkman & Son, Brooklyn, N. Y. Pure. For Kirkman's Floating Soap. 7,190; Feb. 19.
McCrumish, Edmund F., doing business as Tidewater Products Company, Duluth, Minn. Great Lakes to the Ocean. For Cleansing Material. 7,191; Feb. 19.
Ohio Truss Co., The, Cincinnati, Ohio. Watch Your in Step. For Arch Uplifters. 7,192; Feb. 19.
Postum Cereal Co. Inc., Battle Creek, Mich. Post Toasties—Improved Corn Flakes. For Cereal Breakfast Food. 7,193; Feb. 19.
Security Blanket Fastener Co., New York, N. Y. Security Blanket Fastener. For Fastener for Maintaining Bed Coverings in Position. 7,194; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. The Danger line. For Dental Cream. 7,195; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. At night especially, guard The Danger Line. For Dental Cream. 7,196; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. These products should be in your medicine cabinet. For Household Products. 7,197; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. Your whole life long—For Dental Cream. 7,198; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. Fight Acid-Erosion at The Danger Line. For Dental Cream. 7,199; Feb. 19.
Squibb, E. R., & Sons, New York, N. Y. A vitally important place in every home. For Household Products. 7,200; Feb. 19.
Tidewater Products Company. (See McCrumish, Edmund F.)
Times Watch Co. (See Gisiger, Hans.)
Wafeldog Corporation, The, Washington, D. C. Wafeldog. For Wafeldog. 7,201; Feb. 19.
Ward Baking Company, New York, N. Y. May Days and all Days buy Ward's Cakes. For Cake. 7,203; Feb. 19.
Ward Baking Company, New York, N. Y. The White Wheat Loaf with the Vitamins. For Bread. 7,204; Feb. 19.
Ward Baking Company, New York, N. Y. A good hunch for the school lunch. For Cakes. 7,205; Feb. 19.
Ward Baking Company, New York, N. Y. Buy the Cake with a Reputation. For Cakes. 7,206; Feb. 19.
Ward Baking Company, New York, N. Y. Keeps Him Smiling. For Bread. 7,207; Feb. 19.
Ward, James E., Springfield, Ohio. We Carry a Full Line. For Musical Instruments and Supplies. 7,202; Feb. 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

African & Eastern Trading Co., Incorporated, The, New York, N. Y. Wheat flour. 187,445; Feb. 19.
Agasote Millboard Co., The, Trenton, N. J. Fiber boards in sheets. 189,748; Feb. 19.
Aktiebolaget Nordsjomakrill, Gottenborg, Sweden. Salted mackerel. 181,927; Feb. 19.
"Alis Shop." (See Straus, Albert I.)
American Celutex Corporation, New York, N. Y. Pyroxylin sheet material. 190,223; Feb. 19.
American Chemical Paint Company, Philadelphia, Pa. Ingredient for controlling acid baths for pickling metals. 190,000; Feb. 19.
American Lady Corset Co., Detroit, Mich. Corsets, corset waists, brassieres, etc. 188,879; Feb. 19.
American Nut Company, Inc., Indianapolis, Ind. Salt nuts; raw, shelled, and unshelled nuts. 188,983; Feb. 19.
American Sales Book Company Limited, Toronto, Ontario, Canada, and Niagara Falls and Elmira, N. Y. Autographic registers. 189,346; Feb. 19.
American Tobacco Company, Inc., The, New York, N. Y. Cigarette paper. 189,089; Feb. 19.
Androscoggin Mills, Lewiston, Me. Cotton sheetings, sheets, pillowcases, and quilts. 156,819; Feb. 19.
Aquatone Corporation. (See Hydrogravure Company.)
Arkansas Brick and Tile Co., Little Rock, Ark. Face brick. 189,347; Feb. 19.
Ash-Mo Manufacturing Company. (See Ashworth, Jordan F.)
Ashworth, Jordan F., doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Preparation for straightening hair. 186,580; Feb. 19.
Atlantic Leather Goods Co. (See Potolsky, Samuel.)
Atlantic Stores Corporation, Memphis, Tenn. Pepper, spices, ginger, mustard, etc. 184,058; Feb. 19.
Ayer & McKinney, a Copartnership, Philadelphia, Pa. Powdered milk. 167,548; Feb. 19.
Bader, Henry F., New Albany, Ind. Cough sirup and an injection for venereal diseases. 189,233; Feb. 19.
Bario Metal Corporation, The, New York, N. Y. High-resistance alloys and metal castings and forgings. 165,060; Feb. 19.
Barnes-Ross Company, The, Indianapolis, Ind. Monthly publication. 189,547–8; Feb. 19.
Baruch, M. J., Sons Inc., New York, N. Y. Fur pelts. 189,929; Feb. 19.
Bay State Corset Company, Springfield, Mass. Corset brassières and brassières. 188,404; Feb. 19.
Beal, J. & J., Sheffield, England. Butchers', cane, etc., knives, machetes, shears, and files. 182,463; Feb. 19.
Bella & Company, Brooklyn, N. Y. Pillows. 188,467; Feb. 19.
Bement-Rea Co., Inc., Terre Haute, Ind. Canned goods, roasted coffee. 167,706; Feb. 19.
Ben Hur Bicycle Company. (See Van Camp Hardware & Iron Company.)
Berengher, J. W., New Orleans, La. Dried beans, peas, lentils, garbanzos (chick peas). 179,770; Feb. 19.
Birmingham Clay Products Co., Birmingham and Sibleyville, Ala. Face brick. 166,481; Feb. 19.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 189,487–8; Feb. 19.
Bowen-Oglesby Milling Co., Independence, Kans. Wheat flour. 188,060; Feb. 19.
Brilliant Knitting Mills, Inc., New York, N. Y. Knitted fabrics. 189,098; Feb. 19.
Brown, Fred W., Bethesda, Ohio. Amplifiers and thermionic devices. 189,237; Feb. 19.
Brown & Sehler Company, Grand Rapids, Mich. Automobile tires. 188,737; Feb. 19.
Buckeye Soda Products Company, Cincinnati, Ohio. Washing soda. 189,962; Feb. 19.
Burcher, George E., doing business as Burcher's Pharmacal Company, Newport News, Va. Medicinal preparation. 186,942; Feb. 19.
Buttress Manufacturing Co., Los Angeles, Calif. Wall board. 188,887; Feb. 19.
Caldwell Manufacturing Company, The, Columbus, Ohio. Folding tables. 189,755; Feb. 19.
Callaghan, Alfred B., New York, N. Y. Waterproofing and protective coating for use on construction materials. 143,546; Feb. 19.
Cameron, Wm., & Co. Inc., Waco, Tex. Built-in furniture. 151,356; Feb. 19.
Campbell Company, Boston, Mass. Fruit combinations and concentrated fruit sirups for food purposes. 179,027–8; Feb. 19.
Capital City Paper Co., Springfield, Ill., assignor to Springfield Paper Company. Writing tablets and notebooks. 184,116; Feb. 19.
Car Devices Company, Incorporated, Richmond, Va. Lock lifts for railway-car couplings and angle-cock holders. 187,984; Feb. 19.
Carnation Milk Products Company, Wilmington, Del., Seattle, Wash., and Oconomowoc, Wis. Evaporated milk. 186,740; Feb. 19.
Carnation Milk Products Company, Wilmington, Del., Seattle, Wash., and Oconomowoc, Wis. Evaporated 186,869; Feb. 19.
Carroll, Hugh C., McKeesport, Pa. Compound for waterproofing and increasing the strength of cement. 189,842; Feb. 19.
Chandler, William L., Claremont, N. H. Ointments for cuts, sores, chapped hands, etc. 190,234; Feb. 19.
Cheney Brothers, South Manchester, Conn. Silk fabrics in the piece. 189,707; Feb. 19.
Chesebro Brothers & Robbins, Inc., New York, N. Y. Fresh fish. 165,622; Feb. 19.
Chicago Automotive Institute, Chicago, Ill. Job tickets for instruction of automobile mechanics. 187,088; Feb. 19.
Chroxi Research Laboratories. (See Martin, William M.)
Clare, Madame, Corset Shop, Philadelphia, Pa. Corsets. 189,352; Feb. 19.
Clark-Lack Grocer Co., Paducah, Ky. Corn flakes, rolled oats, canned sugar corn, etc. 187,606; Feb. 19.
Clenso-Mint Company, The. (See Lamb, William H.)
Cleveland Vending Machine Company, The, Cleveland, Ohio. Buttered and salted popped corn. 189,034; Feb. 19.
Cook, J. D., Company, The, Bellevue, Ohio. Suits, overcoats, raincoats, topcoats, etc. 188,890; Feb. 19.
Corby Baking Company, The, Washington, D. C. Bread. 171,120; Feb. 19.
Coughlin Manufacturing Co., New York, N. Y. Gold leaf, imitation gold and silver leaf. 190,285; Feb. 19.
Crampton, John, & Co., Limited, Manchester, England. Canned fruit, fish, and vegetables. 183,254; Feb. 19.
Crapple, Guy C., Chicago, Ill. Printed articles. 189,241; Feb. 19.
Cresca Company, Incorporated, New York, N. Y. Liquid compound of sherry wine, etc. 188,894; Feb. 19.
Crescent Belt Fastener Company, New York, N. Y. Belt-fastening plates, metallic lacing, wire, coupling, etc. 169,202; Feb. 19.
Cub Knitting Mills, Malden, Mass. Sweaters. 185,819; Feb. 19.
Cudahy Packing Company, The, Chicago, Ill. Meat, meal, dried blood, and raw bone for feeding. 186,109; Feb. 19.
Cummins, George W., Belvidere, N. J. Medicinal tablets and pills for the treatment of constipation and indigestion. 183,822; Feb. 19.
Dalley, F. F., Company, Inc., Buffalo, N. Y. Auto body cleaner. 188,746; Feb. 19.
Dan-D-Rem, Inc., Chicago, Ill. Salve for the removal of dandruff. 190,048; Feb. 19.
Dardo Company. (See Darling, May B.)
Darling, May B., doing business as Dardo Company, Wichita, Kans. Pharmaceutical preparations for treatment of goiter. 174,893; Feb. 19.
Davenport-Brooks Corporation, Fernandina, Fla. Canned shrimp. 189,451; Feb. 19.
Dearing, William A., doing business as W. A. Dearing, Hardin, Mo. Remedy for roup. 189,968; Feb. 19.
Debban, Henry E., Woodland, Calif. Shelled nuts and raisins. 188,989; Feb. 19.
Deisel-Wemmer Co., The, Lima, Ohio. Cigars. 190,538; Feb. 19.
Dependable Bakers Associated, Brooklyn, N. Y. Bread. 189,354; Feb. 19.
Diamond, McDonnell & Co., Philadelphia, Pa. Washing crystals with incidental bluing properties. 186,698; Feb. 19.
Dickinson, Don M., Detroit, Mich. Shaving cream. 170,756; Feb. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dictograph Products Corporation, New York, N. Y. Radio loud speakers. 189,884; Feb. 19.
Direct Coupon Corporation, New York, N. Y. Monthly publications. 189,553; Feb. 19.
Dittoe, Linus L., Somerset, Ohio. Cold tablets. 190,152; Feb. 19.
Dold, Jacob, Packing Co., Buffalo, N. Y. Cuts of meats. 184,127; Feb. 19.
Dold, Jacob, Packing Co., Buffalo, N. Y. Butter, eggs, and cheese. 189,355; Feb. 19.
Domino House. (See Sullivan, M., assignor.)
Dunn & Thompson, Raleigh, N. C. Can corn, Lima beans, fish roe, peas, etc. 190,239; Feb. 19.
Durametallic Corporation, Kalamazoo, Mich. Metallic packings. 189,768; Feb. 19.
Dwinell-Wright Company, Boston, Mass. Coffee. 190,241–3; Feb. 19.
Eagle Remedy Company, San Antonio, Tex. General tonic. 183,367; Feb. 19.
Easton Orange Juice Company, Oakland, Calif. Fruit juices for preparing soft drinks. 173,324; Feb. 19.
Edgecumbe-Newham Company Limited, Vancouver, British Columbia, Canada. Shingles. 188,411; Feb. 19.
Educational Film Exchanges, Inc., New York, N. Y. Motion-picture films and films used for stereoptican projections. 168,876; Feb. 19.
Empire Bed Spread Mills. (See O'Neill, Constantine J.)
Excello Health Bread Co., Los Angeles, Calif. Bread and biscuits. 167,806; Feb. 19.
Fabrique de Bonneterie fine de la Marne, St. Maur des Fossés, near Paris, France. Hosiery, gloves, corsets, knitted scarfs, etc. 187,612; Feb. 19.
Fashion Maid Company, Cincinnati, Ohio. Hosiery. 189,666; Feb. 19.
Favaloro, F. G., Sons Inc., New Orleans, La. Tomato paste. 189,191; Feb. 19.
Federal Manufacturing Company, The, assignor to L. R. Yeager, Columbus, Ohio. Electrically-operated reflectors for light-projecting devices. 185,213; Feb. 19.
Federal Manufacturing Company, assignor to L. R. Yeager, Columbus, Ohio. Tilting reflectors for light-projecting devices. 185,750; Feb. 19.
Fine, M., & Sons, New York, N. Y. Work shirts. 179,786; Feb. 19.
Finn, J. A., & Company, New York, N. Y. Cotton shirting fabrics. 189,847; Feb. 19.
Fisk Rubber Company, The, doing business as Massasoit Rubber Works, Chicopee Falls, Mass. Vehicle tires. 189,395; Feb. 19.
Fixit Body & Fender Repair Company, The, Cleveland, Ohio. Automobile tops, curtains, and repair parts. 189,047; Feb. 19.
Follmer, Clogg & Co., New York, N. Y. Parasols and umbrellas. 190,288; Feb. 19.
Food Trade Publishing Company, The, New York, N. Y. Periodical publication. 188,007; Feb. 19.
Foote & Jenks, Jackson, Mich. Ginger ale. 186,835; Feb. 19.
Francburt, Inc., New York, N. Y. Brassières. 189,396; Feb. 19.
Frank & Meyer Neckwear Co., St. Louis, Mo. Woolen and woolen mixture goods in the piece. 189,667; Feb. 19.
Frank & Meyer Neckwear Co., St. Louis, Mo. Neckties, cravats, and scarfs. 189,668; Feb. 19.
Fremont, Jessie, Washington, D. C. Women's wraps and negligees, and children's dresses, suits, etc. 188,996; Feb. 19.
Frohman, L. B., & Co., Inc., Chicago, Ill. Coffee. 186,637; Feb. 19.
Fyffe Manufacturing Co., Chattanooga, Tenn. Handkerchiefs. 189,048; Feb. 19.
Gedney, M. A., Company, Minneapolis, Minn. Sweet pickles. 178,836; Feb. 19.
Genie Products Company, The, Dayton, Ohio. Powdered cleaner with incidental water-softening properties. 164,701; Feb. 19.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 189,500; Feb. 19.
Globe Iron-Crush & Shot Co., The, now by change of name The Globe Steel Abrasive Company, Mansfield, Ohio. Abrasives composed of iron and steel. 189,156; Feb. 19.
Gold Furniture Company, Chicago, Ill. Living-room furniture. 167,173; Feb. 19.
Goldenberg's, Washington, D. C. Braids, tapes, bindings, needles, toilet pins, etc. 170,639; Feb. 19.
Goodman, A., & Son, Inc., New York, N. Y. Alimentary paste products and matzoths. 182,903; Feb. 19.
Goodman, Theodore, Schenectady, N. Y. Bread. 184,724; Feb. 19.
Granada Knit Mills, San Francisco, Calif. Knitted goods, comprising sweaters, scarfs, bathing suits, dresses, and hats. 181,564; Feb. 19.
Graves, Eugene E., doing business as The Round Trip Auto Lug Company, Lincoln, Nebr. Automobile accessories. 187,309; Feb. 19.
Green, A. P., Fire Brick Co., Mexico, Mo. Fire brick, etc. 188,204; Feb. 19.
Greenebaum, Weil & Michels, San Francisco, Calif. Pyjamas, nightshirts, nightrobes, sleeping garments, and underwear. 189,591; Feb. 19.
Grid-Graph Co., The, Columbus, Ohio. Football score board. 190,157; Feb. 19.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, cotton, linen, etc., piece goods. 189,975; Feb. 19.
Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 185,219; Feb. 19.
Haines Manufacturing Corporation, Rochester, N. Y. Windshield cleaner. 188,115; Feb. 19.
Hamilton-Brown Shoe Co., St. Louis, Mo. Women's boots and shoes. 183,284; Feb. 19.
Hamilton, John D., Tacoma, Wash. Candy and ice-cream bars. 186,127; Feb. 19.
Harwell, Ann E., doing business as Harwell Laboratories, Fort Worth, Tex. Hair tonic. 175,869; Feb. 19.
Hastings Manufacturing Company, Hastings, Mich. Piston rings. 189,502; Feb. 19.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 182,803; Feb. 19.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 183,030; Feb. 19.
Heller, B., & Company, Chicago, Ill. Dry powder preparation for use in making puddings, etc. 174,803; Feb. 19.
Heller, B., & Company, Chicago, Ill. Dry powder preparation for making puddings, cake fillings, etc. 183,380; Feb. 19.
Helmick, Herman H., Minneapolis, Minn. Oil burners. 185,521; Feb. 19.
Henderson Lithographing Co., The, Norwood, Cincinnati, Ohio. Completely-printed telephone directories, calendars, show cards, etc. 187,423; Feb. 19.
Hermet G. m. b. H., Cologne, Germany. Moistening devices. 185,827; Feb. 19.
Hibshman Bros. Company, The, doing business as Polo Knitting Mills, Cleveland, Ohio. Hosiery and underwear. 164,758; Feb. 19.
Hoefer Manufacturing Company, Freeport, Ill. Marine motors. 188,205; Feb. 19.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 186,371; Feb. 19.
Holland-O'Neal Milling Co., Springfield, Mo. Self-rising flour. 190,194; Feb. 19.
Hollander, A., & Son-Arnhold Corporation, Middletown, N. Y. Fur skins. 188,116; Feb. 19.
Hollingsworth & Whitney Co., Boston, Mass. Writing and wrapping paper. 190,161; Feb. 19.
Horlick's Food Co., Racine, Wis. Modifier for milk. 189,719; Feb. 19.
Horsey, Edgar T., Cleveland, Ohio. Devices adapted to be applied to headlight lenses for preventing glare in headlight lenses. 156,276; Feb. 19.
Horton, F. T., Co., Inc., Hoboken, N. J. Bird gravel. 188,242; Feb. 19.
Huber, J. M., Inc., Bayonne, N. J., and New York, N. Y. Printing inks. 188,591; Feb. 19.
Hudson Pharmacal Company, Incorporated, The, Union Hill, N. J. Medicinal preparation for faulty digestion. 190,195; Feb. 19.
Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Soles and heels. 188,119; Feb. 19.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, dried fruits, and canned fish. 186,477; Feb. 19.
Hunt, C. Howard, Pen Company, Camden, N. J. Pens. 190,055; Feb. 19.
Hurowits & Erdrich, New York, N. Y. Coats, suits, and wraps. 189,789; Feb. 19.
Hurty-Peck & Company, Indianapolis, Ind. Beverage sold as a soft drink. 185,280; Feb. 19.
Hydrogravure Company, now by change of name Aquatone Corporation, New York, N. Y. Printing plates finished and partly finished. 169,484; Feb. 19.
Independent Macaroni Co., Inc., Mount Vernon, N. Y. Macaroni, spaghetti, and alimentary paste. 189,410; Feb. 19.
Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Hose composed of rubber and fabric. 180,932; Feb. 19.
International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Leather boots, shoes, and slippers. 183,975; Feb. 19.
International Shoe Company, St. Louis, Mo. Shoes and slippers. 184,839; Feb. 19.
International Shoe Company, doing business as Roberts, Johnson, and Rand Company, St. Louis, Mo. Shoes of leather. 184,462; Feb. 19.
Iowa City Canning Co., Iowa City, Iowa. Canned corn. 183,711; Feb. 19.
Ivory Garter Company, New Orleans, La. Elastic webbing. 190,162; Feb. 19.
Ivory Garter Company, New Orleans, La. Elastic webbing. 190,164; Feb. 19.
James Brothers, Atlantic City, N. J. Candies. 187,865; Feb. 19.
Jersey Pharmacal Co., Jersey City, N. J. Organic assimilative tonic. 190,196; Feb. 19.
Kabushiki Kaisha Suzuki Shoten, Kyobashi-Ku, Tokyo, Japan. Seasonings for food-flavoring purposes. 170,296; Feb. 19.
Kabushiki Kaisha Suzuki, Shoten, Kyobashi-Ku, Tokyo, Japan. Seasoning powder. 170,298; Feb. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Kenilworth Manufacturing Co. Inc., New York, N. Y. Blouses, bloomers, skirts, etc. 188,015; Feb. 19.
Kenyon, C., Company, Inc., Brooklyn, N. Y. Rubber tires and tubes. 187,821; Feb. 19.
Kerr, Alex., Brother & Co. Inc., Philadelphia, Pa. Salt. 180,801; Feb. 19.
Kleinman, Morris, doing business as Oma Mfg. Co., New York, N. Y. Custard thickener. 183,585; Feb. 19.
Klinger, Mrs. Jacob A., doing business as The New Leader, New Orleans, La. Ladies' coats, suits, dresses, hosiery, and waists. 175,200; Feb. 19.
Knitfirm, Inc., New York, N. Y. Knit goods. 173,834; Feb. 19.
Knowlton, Wm., & Sons, New York, N. Y. Ladies' hats. 188,420; Feb. 19.
Kronenberg, Joseph C., doing business as Kronenberg's Candies, Spokane, Wash. Chocolate fudge. 188,595; Feb. 19.
Kroydon Company, The, Newark, N. J. Sole plates for golf clubs. 190,020; Feb. 19.
La Crosse Clothing Company, La Crosse, Wis. Overalls and work shirts and blouses. 187,823; Feb. 19.
Lamb, William H., doing business as The Clenso-Mint Company, Birmingham, Ala. Dentifrices. 188,964; Feb. 19.
Lansburgh & Bro., Inc., Washington, D. C. Braids, tapes, bindings, needles, etc. 173,893; Feb. 19.
La Pulita Chemical Co., Scranton, Pa. Washing fluid. 188,561; Feb. 19.
Leggett, Francis H., & Company, New York, N. Y. Flavoring preparation for food products. 170,981; Feb. 19.
Levor, G., & Co., Inc., New York, N. Y. Leathers. 188,124; Feb. 19.
Libby, McNeill & Libby, Chicago, Ill. Dried beef. 167,305; Feb. 19.
Lournay, Inc., Milwaukee, Wis. Rouge, cold cream, lip stick, toilet water, etc. 177,234; Feb. 19.
Lyon & Healy, Inc., Chicago, Ill. Saxophones. 184,139; Feb. 19.
MacDougall, J. H., doing business as Worcester Malt and Hops Company, Worcester, Mass. Malt beverages and compounds for producing same. 185,326; Feb. 19.
MacFadden Publications, Inc., New York, N. Y. Monthly magazines. 183,798; Feb. 19.
MacFadden Publications, Inc., New York, N. Y. Monthly magazine. 183,929–30; Feb. 19.
Macy, R. H., & Co., Inc., New York, N. Y. Electrical lamps. 188,598; Feb. 19.
Malatesta, Joseph F., Boston, Mass. Olive oil. 167,727; Feb. 19.
Manchester Romper Co., Inc., New York, N. Y. Rompers and creepers. 190,114; Feb. 19.
Marcellette Manufacturing Co. (See Martin, Thomas J.)
Marine Decking and Supply Company, Philadelphia, Pa. Stucco. 188,563; Feb. 19.
Marko, Paul M., doing business as Marko Storage Battery Co., Brooklyn, N. Y. Storage-battery cases. 189,634; Feb. 19.
Martin, Thomas J., doing business as Marcellette Manufacturing Co., New York, N. Y. Electrically-heated hair waving and curling apparatus. 186,433; Feb. 19.
Martin, William M., doing business as Chroxi Research Laboratories, Cleveland, Ohio. Antiseptic germicide and tissue-builder preparations. 190,080; Feb. 19.
Mason Tire & Rubber Company, The, Kent, Ohio. Rubber-tire casings. 183,075; Feb. 19.
Massasoit Rubber Works. (See Fisk Rubber Company, The.)
Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 189,322; Feb. 19.
Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade pulls. 189,326; Feb. 19.
Masolok Mfg. Company. (See Mazzola, Anthony.)
Massola, Anthony, doing business as Masolok Mfg. Company, Newton, Mass. Automatic window locks. 190,350; Feb. 19.
McClure, C. W., Atlanta, Ga. Barrettes, buttons, beads, braids, etc. 182,166; Feb. 19.
McClure, C. W., Atlanta, Ga. Table glassware, fancy glassware, fruit jars, lamp chimneys, etc. 182,167; Feb. 19.
McKeon Canning Company, Burbank, Calif. Canned fruits. 188,919; Feb. 19.
McKeon Canning Co., Burbank, Calif. Canned fruits and vegetables. 188,920; Feb. 19.
McKinney, Joseph C., doing business as Sanitary Health Sponge Co., Paris, Ill. Deodorant. 185,873; Feb. 19.
McLaurin-Jones Co., Brookfield, Mass. Papers having gold, bronze, or silver coating. 190,058; Feb. 19.
McLean Tire & Rubber Company, The, East Liverpool, Ohio. Tires, casings, inner tubes, and tire patches. 188,850; Feb. 19.
McLeod Leather and Belting Company, Greensboro, N. C. Leather belting. 188,688; Feb. 19.
McNeill, Ruth C., Washington, D. C. Ointment used for the promotion of hair growth. 188,765; Feb. 19.
Memphis Furniture Manufacturing Company, Memphis, Tenn. Bedsteads, bedroom suites, seats or benches, box-spring mattresses, etc. 181,839; Feb. 19.
Meyers, Harry, Hat Company, New York, N. Y. Hats and caps. 188,689; Feb. 19.
Mi-Champ Company, San Francisco, Calif. Salad dressing. 189,369; Feb. 19.
Miller, J. P., doing business as Nu Vim Medicine Co., Port Gibson, Miss. Medicinal preparation in the nature of liver, kidney, and blood tonic. 179,737; Feb. 19.
Milligan, G. D., Grocer Co., Springfield, Mo. Canned vegetables. 189,725; Feb. 19.
Minneapolis Paper Co., Minneapolis, Minn. Plaster board. 189,685; Feb. 19.
Morse & Rogers. (See International Shoe Company.)
Moss, Edgar A., Marion, Ind. Newspaper columns. 177,239; Feb. 19.
Mountain City Mill Company Inc., Chattanooga, Tenn. Corn grits. 176,754; Feb. 19.
Mulkey, Vaughn D., doing business as Mulkey Mattress Co., Oakland, Calif. Mattresses. 188,214; Feb. 19.
Multiple Electric Products Company, Inc., New York, N. Y. Electric fuses. 189,370; Feb. 19.
Naamlooze Vennootschap Biscuitfabriek "De Lindeboom," Mijdrecht and Amsterdam, Netherlands. Biscuit, crackers, cakes, and wafles. 190,174; Feb. 19.
Narbonne, Gardner H., doing business as Narbonne Ranch, Thermal, Calif. Fresh, dried, and cured dates. 184,745; Feb. 19.
Narrow Fabric Co., The, West Reading, Pa. Woven and braided elastics. 187,437; Feb. 19.
National Airphone Corporation, New York, N. Y. Radio receiving sets and parts. 188,636; Feb. 19.
National Airphone Corporation, New York, N. Y. Radio detectors and receiving sets. 188,637; Feb. 19.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, crackers, wafers, cookies, and cakes. 182,434; Feb. 19.
National Shirt Shops, Inc., New York, N. Y. Men's dress, negligee, and work shirts. 188,653; Feb. 19.
Nemo Hat Company, New York, N. Y. Hats and caps. 188,695; Feb. 19.
New England Mills Company, The, Chicago, Ill. Underslung parts. 187,763; Feb. 19.
New Leader, The. (See Klinger, Mrs. Jacob A.)
Nichols Underwear Corporation, The, Bridgeport, Conn. Corsets, brassières, combination corsets and brassières, skirts, corset covers, etc. 184,143; Feb. 19.
Nu Vim Medicine Co. (See Miller, J. P.)
Oak Knitting Company, Syracuse, N. Y. Sporting and sweater coats. 187,877; Feb. 19.
Oma Mfg. Co. (See Kleinman, Morris.)
O'Neill, Constantine J., doing business as Empire Bed Spread Mills, Philadelphia, Pa. Bedspreads. 189,424; Feb. 19.
Ono Trading Co. (See Tatsukawa, Naosaburo.)
Oppenheimer, S., & Co., New York, N. Y. Sausage casings. 189,945; Feb. 19.
Original Tire Company, Cincinnati, Ohio. Tires and inner tubes. 189,134; Feb. 19.
Orion Corporation, The, Scranton, Pa. Phonographs and parts thereof. 189,066; Feb. 19.
Orlando Orange Groves Company, Inc., Orlando, Fla. Booklets dealing with the orange-growing industry. 186,566; Feb. 19.
Owl Drug Company, The, San Francisco, Calif. Witch-hazel, preparation for destroying insects and vermin, bronchial troches, etc. 166,403; Feb. 19.
Pabst Corporation, Milwaukee, Wis. Ginger ale, root beer, drinking water, etc. 188,808; Feb. 19.
Panzer Packing Company, The, Baltimore, Md. Pickles. 188,495; Feb. 19.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Soap. 183,495; Feb. 19.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Soap. 183,497; Feb. 19.
Parfumerie Roger et Gallet, Paris, France. Soaps, soap paste, and soap powders. 185,142; Feb. 19.
Pauxtis, William G., doing business as The Pax Products Company, Wilkes-Barre, Pa. Medicinal compounds for a liquid antiseptic and mouth wash. 187,440; Feb. 19.
Pax Products Company, The. (See Pauxtis, William G.)
Peabody Coal Company, Chicago, Ill. Coal. 185,876; Feb. 19.
Peake, H. D., Company, Inc., New York, N. Y. Cotton fabrics. 189,727–8; Feb. 19.
Perlax Company, The, Providence, R. I. Cathartic preparations for the treatment of fevers, colic, etc. 189,947; Feb. 19.
Phillips-Jones Corporation, New York, N. Y. Silk and cotton piece goods. 188,971; Feb. 19.
Pinkerton Tobacco Co., The, Toledo, Ohio. Smoking and chewing tobacco and cigarettes. 178,853; Feb. 19.
Polo Knitting Mills. (See Hibsham Bros. Company.)
Portage Wholesale Grocery Company, Portage, Wis. Canned vegetables and fruits, spices, food-flavoring extracts, coffee, etc. 186,667; Feb. 19.
Potolsky, Samuel, doing business as Atlantic Leather Goods Co., New York, N. Y. Baseballs, fielder gloves, catcher mitts, etc. 173,440; Feb. 19.
Powers-Weightman-Rosengarten Co., Philadelphia, Pa. Preparation for intramuscular administration in the treatment of syphilis. 189,863; Feb. 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Puritan Chocolate Company, The, Cincinnati, Ohio. Candy. 185,938; Feb. 19.
Puritan Pharmaceutical Co., St. Louis, Mo. Hair dressing. 189,584; Feb. 19.
Quaker Oats Company, The, Chicago, Ill. Oatmeal. 189,730; Feb. 19.
Quaker Oats Company, The, Chicago, Ill. Barley. 189,731–2; Feb. 19.
Quigley Furnace Specialties Company, Inc., New York, N. Y. Refractory linings for furnace structures. 190,029; Feb. 19.
Randall, A. L., Company, Chicago, Ill. Reed chairs, rockers, settees, etc. 187,837; Feb. 19.
Rauh, E., & Sons Fertilizer Company, Indianapolis, Ind. Meat meal, meat scraps, blood meal, and tankage for poultry and dog feed preparations. 184,760; Feb. 19.
Remilier Co., The, New York, N. Y. Soap. 172,352; Feb. 19.
Rentacar Company, The, Toledo, Ohio. Automobiles. 188,378; Feb. 19.
Research Club, Inc., Chicago, Ill. Soap, neat's-foot compound, leather, and mohair dressing. 188,428; Feb. 19.
Rieser Company, The, assignee to The Rieser Company, Inc., New York, N. Y. Hair nets. 151,064; Feb. 19.
Roberts, Johnson, and Rand Company. (See International Shoe Company.)
Robin, Pierre, Lyon, France. Air compressors for pneumatic tires. 188,164; Feb. 19.
Rosella Preserving and Manufacturing Company Limited, The, Richmond, Victoria, Australia. Deciduous fruits, honey, tomato sauce, etc. 137,290; Feb. 19.
Roser, Herman, & Son, Inc., Glastonbury, Conn., and New York, N. Y. Pigskin leather. 190,430; Feb. 19.
Round Trip Auto Log Company, The. (See Graves, Eugene E.)
Royal Metal Manufacturing Co., Chicago, Ill. Wire furniture. 130,850; Feb. 19.
Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 170,404–5; Feb. 19.
Rybert, Thomas F., & Company, Atlanta, Ga. Bond papers. 189,774; Feb. 19.
Samuels, Sam, Inc., New York, N. Y. Women's coats. 188,774; Feb. 19.
Sandhill Fruit Growers Association, Aberdeen, N. C. Peaches and apples. 182,617; Feb. 19.
Sanitary Health Sponge Co. (See McKinney, Joseph C.)
Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 189,528; Feb. 19.
Schaumann, Jean N., New York, N. Y. Dresses. 189,533; Feb. 19.
Schulze Baking Company, Chicago, Ill. Bread. 186,932; Feb. 19.
Sea-Ease Co., The. (See Smith, A. Malcolm, jr.)
Serva Company, The, Chicago, Ill. Refilled electric lamps and tubes. 189,820; Feb. 19.
Shot-Lite Corporation of America, Denver, Colo. Windshield spotlights. 189,821; Feb. 19.
Shot-Lite Corporation of America, Denver, Colo. Windshield spotlights. 189,869–70; Feb. 19.
Sigmund Eisner Company, Red Bank, N. J., and New York, N. Y. Coats and trousers. 159,184; Feb. 19.
Silaphone Corporation, The, New York, N. Y. Telephone silencers. 189,588; Feb. 19.
Simon, Samuel, & Son Inc., New York, N. Y. Women's underwear of textile fabric. 189,143; Feb. 19.
Slater, S., & Sons, Inc., Webster, Mass., and New York, N. Y. Cotton piece goods. 189,377; Feb. 19.
Smith, A. Malcolm, jr., doing business as The Sea-Ease Co., Tampa, Fla. Preparation for sea and car sickness. 182,443; Feb. 19.
Smith, V. R., doing business as V. R. Smith Olive Co., Lindsay, Calif. Canned ripe olives. 189,017; Feb. 19.
Sovereign Shirt Co. Inc., New York, N. Y. Men's dress shirts. 174,533; Feb. 19.
Sparano, Gennaro, doing business as Dr. G. Sparano Pharmacal Co., Philadelphia, Pa. Tonic. 185,798; Feb. 19.
Springfield Paper Company. (See Capital City Paper Co., assignor.)
Stackhouse Chemical Corporation, Reading, Pa. Insecticides, germicides, disinfectants, and deodorants. 187,140; Feb. 19.
Standard Oil Company of Louisiana, Baton Rouge, La. Knitting oil, fiber and yarn greases. 190,212; Feb. 19.
Standard Oil Company or Louisiana, Baton Rouge, La. Floor oil, floor dressing, and liquid gloss. 190,214; Feb. 19.
Star Company, New York, N. Y. Newspaper column. 189,018; Feb. 19.
Stavanger Preserving Co. A/S, Stavanger, Norway. Canned and preserved fish. 185,800; Feb. 19.
Stephano Brothers, Philadelphia, Pa. Cigarettes. 189,537; Feb. 19.
Steuben Society of America, New York, N. Y. Bulletin and pamphlets. 186,396; Feb. 19.
Stiles, Harold G., Chicago, Ill. Automobile trucks. 173,012; Feb. 19.
Stratton & Co. Limited, Birmingham, England. Knitting and toilet pins, hatpins, buttonhooks, etc. 172,130; Feb. 19.
Straus, Albert I., also doing business as "Alls Shop," Louisville, Ky.; Lima, Findlay, and Springfield, Ohio; and Marion, Ind. Hosiery, underwear, coats, pants, etc. 184,994; Feb. 19.
Strauss, Leon, Baltimore, Md. Work suits. 189,175; Feb. 19.
Sullivan, Marguerite, assignor to Domino House, Philadelphia, Pa. Wrinkle cream. 178,365; Feb. 19.
Suomen Osuuskhuppojen Keskuskunta r. l., Helsinki, Finland. Safety matches. 187,392; Feb. 19.
Swift and Company, Chicago, Ill. Meat and bone scraps. 189,953; Feb. 19.
Tatsukawa, Naosaburo, doing business as Ono Trading Co., San Francisco, Calif. Canned crabs. 177,634; Feb. 19.
Taubel, Lewis E., Norristown, Pa. Hosiery. 190,138; Feb. 19.
Taylor, W. H., Inc., Chicago, Ill. Suits, dresses, waists, cloaks, etc. 187,649; Feb. 19.
Textile Publishing Company, New York, N. Y. Feature section of a publication. 189,991; Feb. 19.
Tropical Roof Products Co., Jacksonville, Fla. Preservative asphalt composition roofing and surfaces. 184,806; Feb. 19.
Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Hair tonics, antiseptic preparations, etc. 189,872; Feb. 19.
Uncle Sam Breakfast Food Company, Omaha, Nebr. Bran flakes. 190,219; Feb. 19.
Union Lithograph Co., Inc., The, San Francisco, and Los Angeles, Calif. Safety papers. 184,483; Feb. 19.
Urban, George, Milling Company, Buffalo, N. Y. Cereal breakfast food. 183,508; Feb. 19.
Utard, Henry, New York, N. Y. Licorice paste and extract. 190,183; Feb. 19.
Van Baalen Heilbrun & Co., New York, N. Y. Men's dressing gowns, house coats, etc. 189,648; Feb. 19.
Van Camp Hardware & Iron Company, doing business as Ben Hur Bicycle Company, Indianapolis, Ind. Bicycles. 187,553; Feb. 19.
Vaughan & Bushnell Manufacturing Company, Chicago, Ill. Handled hammers, hatchets, etc. 189,484; Feb. 19.
Vogel, Fred W., Cumberland, Md. Healing salve. 188,346; Feb. 19.
Voss & Stern, Inc., New York, N. Y. Silk and cotton piece goods. 187,595; Feb. 19.
Vulcalyne Co., Los Angeles, Calif. Composition of matter for metal-coating rubber. 181,875; Feb. 19.
Wallach, Hoexter, & Co., New York, N. Y. Woolen and worsted piece goods. 189,874; Feb. 19.
Wanamaker, John, New York, New York, N. Y. Golf balls. 189,539; Feb. 19.
Warner, W. H., & Co., Cleveland, Ohio. Coal. 190,365; Feb. 19.
Wason Bros. Inc., Seattle, Wash. Tea. 187,362; Feb. 19.
West Branch Co-operative Seed Growers Ass'n., Williamsport, Pa. Field seeds. 187,398; Feb. 19.
Western Garment Company, Chicago, Ill. Women's and children's bloomers. 189,996; Feb. 19.
Whitall Manufacturing Company, Lowell, Mass. Ladies' knitted and textile underwear, corset covers, drawers, etc. 187,556; Feb. 19.
Whiting, C. B., Co., Newark, N. J. Fiber boards. 189,343; Feb. 19.
Willys-Overland Company, The, Toledo, Ohio. Automobiles. 187,895; Feb. 19.
Wilson Brothers, Chicago, Ill. Hosiery. 189,827; Feb. 19.
Wilson, Geo. W., Co. Inc., San Antonio, Tex. Canned vegetables and fruits and preserved fruit. 169,661; Feb. 19.
Winola Corporation, Philadelphia, Pa. Disinfectants and deodorants. 189,958; Feb. 19.
Wittmann, Joseph, Inc., Woodhaven, N. Y. Beverages sold as soft drinks and sirups for making the same. 189,177; Feb. 19.
Worcester Malt and Hops Company. (See MacDougall, J. H.)
Wright, Minnie C., Springfield, Mass. Meat cakes and sandwich filler. 188,782; Feb. 19.
Wright, William D., Boston, Mass. Pair of mirrors. 183,953; Feb. 19.
Yeager, Leo R. (See Federal Manufacturing Company, assignor.)
Zerega's, A., Sons, Brooklyn, N. Y. Alimentary paste food products. 188,619–20; Feb. 19.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 189,876; Feb. 19.
Zurn, O. F., Company, Incorporated, Philadelphia, Pa. Oils for lubricating yarns. 186,536; Feb. 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Consolidated Co.—Coal Division, Inc. 179,803; Feb. 19; Serial No. 186,105; published Dec. 4, 1923.
Coal, Semibituminous. Pine Ridge Coal Company. 179,989; Feb. 19; Serial No. 185,310; published Dec. 4, 1923.
Leather. C. Trautman & Company. 179,795; Feb. 19; Serial No. 186,303; published Dec. 4, 1923.
Plastic preparation. Necol Industrial Colloidions, Limited. 179,988; Feb. 19; Serial No. 185,875; published Dec. 4, 1923.
Rubber, Bituminous material for compounding. Barrett Company. 179,807–10; published Feb. 19; Serial Nos. 186,456–9; published Dec. 4, 1923.

CLASS 2.

Bags, Mothproof. Roseth Corporation. 179,986; Feb. 19; Serial No. 185,265; published Nov. 27, 1923.
Cans, trash burners, ash sifters, etc., Ash, garbage, and oil. H. P. Chandlee Sons Co. 179,797; Feb. 19; Serial No. 186,179; published Dec. 4, 1923.
Containers. B. Fischer & Co. 180,026; Feb. 19; Serial No. 154,181; published Dec. 11, 1923.
Containers, Portable. Carbide & Carbon Chemicals Corporation. 179,801; Feb. 19; Serial No. 186,178; published Dec. 4, 1923.
Garment bag. Arden Products Corporation. 179,833; Feb. 19; Serial No. 185,911; published Dec. 4, 1923.
Linen and clothes hampers, trays, cans, etc. F. O. Schoedinger. 179,853; Feb. 19; Serial No. 172,178; published Dec. 11, 1923.

CLASS 3.

Bags, suitcases, and hatboxes, Traveling. Katz Bros. Leather Goods Co. 179,894; Feb. 19; Serial No. 186,843; published Dec. 11, 1923.
Leather goods and leather novelties. Phoenix Leather Goods Co. 179,905; Feb. 19; Serial No. 186,445; published Dec. 11, 1923.

CLASS 4.

Cleaning and disinfectant compounds for floors. National Renovating & Supply Co. 179,950; Feb. 19; Serial No. 185,140; published Dec. 11, 1923.
Compound for cleansing and polishing woodwork, etc. L. Mestre. 179,941; Feb. 19; Serial No. 185,759; published Dec. 11, 1923.
Metal plates for use in removing foreign matter from or in cleansing metal ware. Whiting & Davis Company. 179,960; Feb. 19; Serial No. 185,275; published Dec. 11, 1923.
Preparation for cleaning and removing stains from painted surfaces, tile, rugs, etc. Pioneer Products Co. 179,819; Feb. 19; Serial No. 181,508; published Dec. 11, 1923.
Preparation for cleaning and removing stains from painted surfaces, tile, rugs, etc. Pioneer Products Co. 179,829; Feb. 19; Serial No. 181,508; published Dec. 11, 1923.
Preparation for cleaning stringed instruments. R. Paulus. 179,962; Feb. 19; Serial No. 185,146; published Dec. 11, 1923.
Preparation for preserving, softening, and waterproofing leather. Snyderize Co. 180,088; Feb. 19; Serial No. 185,318; published Dec. 11, 1923.
Soap. Globe Soap Company. 179,904; Feb. 19; Serial No. 186,368; published Dec. 11, 1923.
Soap. Remmers Soap Company. 180,114–15; Feb. 19.
Soap. Warren Soap Manufacturing Company. 180,009; Feb. 19; Serial No. 166,996; published Dec. 11, 1923.
Soap, Automobile. Shiffer Products Company. 179,938; Feb. 19; Serial No. 185,846; published Dec. 11, 1923.
Soap cream for shaving. Andron Hygienic Company. 179,909; Feb. 19; Serial No. 186,264; published Dec. 11, 1923.
Soap creams. Grand Union Tea Co. 180,057; Feb. 19; Serial No. 184,497; published Dec. 11, 1923.
Soaps, Hand. F. Stephens. 180,031; Feb. 19; Serial No. 151,104; published Dec. 11, 1923.
Soaps, Laundry. Hewitt Bros. Soap Co. 180,106; Feb. 19.
Soaps, soap pastes and powders. E. Daltroff & Cie. 179,933; Feb. 19; Serial No. 186,110; published Dec. 11, 1923.

CLASS 6.

Insecticide preparation for repelling and killing flies. B. Heller & Company. 180,083; Feb. 19.
Medicinal preparations. G-San Company. 180,089; Feb. 19.
Medicine. H. K. Mueller. 180,099; Feb. 19.
Medicine. G. C. Wooley. 180,100; Feb. 19.
Medicine, Cathartic. K. Wojtasinski. 180,129; Feb. 19.
Medicine for rheumatism. Associated Laboratories, Inc. 180,143; Feb. 19.
Ointment. Laval Chemical Co. 180,101; Feb. 19.
Preparation for rheumatism, neuralgia, etc. J. H. Watson. 180,097; Feb. 19.
Powders, rouge, vanishing cream, etc. Armand Company. 180,132; Feb. 19.
Remedy as a preventive in the development of simple goiter. H. A. Morriss. 180,112; Feb. 19.
Salt containing iodine, Table. Eli Lilly & Company. 180,107; Feb. 19.
Salves. J. F. Smith. 180,092; Feb. 19.
Tonic, blood purifier and body builder. S. W. Johnson. 180,131; Feb. 19.

CLASS 7.

Ropes, Tow. Hooven & Allison Company. 180,103; Feb. 19.

CLASS 8.

Ash trays. B. J. Hoos. 179,907; Feb. 19; Serial No. 186,475; published Dec. 4, 1923.

CLASS 9.

Matches. Osakeyhtio Savo, Ltd. 179,873; Feb. 19; Serial No. 187,488; published Dec. 4, 1923.
Matches. Osakeyhtio Savo, Ltd. 179,882–3; Feb. 19; Serial Nos. 187,481–2; published Dec. 4, 1923.

CLASS 12.

Asphalt, Rock. Continental Rock Asphalt Company. 179,855; Feb. 19; Serial No. 178,178; published Dec. 11, 1923.
Cement stucco mixture, Portland. W. H. Platner. 179,997; Feb. 19; Serial No. 170,786; published Dec. 4, 1923.
Furnace mortar. Keystone Refractories Company. 180,061; Feb. 19; Serial No. 184,913; published Dec. 4, 1923.
Granite. Georgia Granite Corporation. 180,120; Feb. 19.
Insulating materials, Pipe and boiler. Murdoff-Spicer Manufacturing Company. 180,066; Feb. 19; Serial No. 178,057; published Dec. 4, 1923.
Preparation used for concrete and metal tank lining, Liquid. Pro-Tar Manufacturing Company. 180,046; Feb. 19; Serial No. 185,041; published Dec. 4, 1923.
Sulphur composition for tanks, etc., Fusible. Texas Gulf Sulphur Company. 179,893; Feb. 19; Serial No. 186,811; published Dec. 4, 1923.

CLASS 13.

Hinges. Stanley Works. 179,970; Feb. 19; Serial No. 184,692; published Dec. 4, 1923.
Castings, Steel and Iron. Los Angeles Foundry Company. 179,802; Feb. 19; Serial No. 186,018; published Dec. 4, 1923.

CLASS 15.

Candles. Standard Oil Company. 179,796; Feb. 19; Serial No. 186,203; published Nov. 27, 1923.
Lubricant. Wadhams Oil Company. 179,889; Feb. 19; Serial No. 186,660; published Dec. 11, 1923.

CLASS 16.

Coating composition for preserving the luster of polished metal surfaces. S. C. Porter. 180,116; Feb. 19.
Colors, driers, enamels, etc. Acme White Lead & Color Works. 179,939; Feb. 19; Serial No. 185,853; published Dec. 11, 1923.
Covering, composition, White. Samuel Cabot, Inc. 179,973; Feb. 19; Serial No. 187,295; published Dec. 4, 1923.
Floor dressing, Dance-. T. Herzog. 180,062; Feb. 19; Serial No. 184,243; published Dec. 11, 1923.
Lacquer, Cellulose. Fiberloid Corporation. 179,879; Feb. 19; Serial No. 187,613; published Dec. 11, 1923.
Lacquers, lacquer enamels, thinners, etc. Arizona Lacquer Mfg. Co. 179,895; Feb. 19; Serial No. 186,768; published Dec. 11, 1923.
Oil and dressing and liquid gloss, Floor. Standard Oil Company of Louisiana. 180,126; Feb. 19.
Paint and varnish remover, Liquid. National Renovating & Supply Co. 179,983; Feb. 19; Serial No. 185,135; published Dec. 4, 1923.
Paint, oil, oleo-resinous and varnish enamels, stains, etc. Truscon Steel Company. 180,071; Feb. 19; Serial No. 179,244; published Dec. 11, 1923.
Paints. M. D. Swartz. 179,987; Feb. 19; Serial No. 186,810; published Dec. 4, 1923.
Paints, Refractory. Adams & Jewell. 179,875; Feb. 19; Serial No. 187,599; published Dec. 11, 1923.
Paints, varnishes, and paint enamels. Bennett Glass & Paint Company. 179,849; Feb. 19; Serial No. 185,649; published Dec. 4, 1923.

Polish and cleaner. Channell Chemical Company. 179,861; Feb. 19; Serial No. 175,346; published Dec. 11, 1923.
Polish and cleanser for furniture, etc. Channell Chemical Company. 179,862; Feb. 19; Serial No. 175,345; published Dec. 11, 1923.
Polish for automobiles, pianos, etc. M. Hinton. 179,955; Feb. 19; Serial No. 185,181; published Dec. 11, 1923.
Polish, Furniture and automobile. National Renovating & Supply Co. 179,949; Feb. 19; Serial No. 185,138; published Dec. 11, 1923.

CLASS 17.

Cigarettes and smoking tobacco. Bonwit Teller & Co. 179,866; Feb. 19; Serial No. 176,598; published Dec. 4, 1923.

CLASS 19.

Automobile luggage carriers. Lanton Auto Equipment Company. 179,934; Feb. 19; Serial No. 185,972; published Nov. 27, 1923.
Cycles. Emblem Manufacturing Company. 180,000; Feb. 19; Serial No. 169,159; published Dec. 4, 1923.
Trucks, Mining-machine. Sullivan Machinery Company. 180,102; Feb. 19.
Vehicles, Gasoline-tank caps for. Illinois Brass Mfg. Co. 180,105; Feb. 19.

CLASS 20.

Fabrics for floor coverings, table coverings, etc., Oil. James, Baron Ashton. 179,857; Feb. 19; Serial No. 172,191; published Dec. 4, 1923.
Linoleum. James, Baron Ashton. 179,857; Feb. 19; Serial No. 172,192; published Dec. 4, 1923.

CLASS 22.

Balls, Golf. Dunlop Tire and Rubber Corporation of America. 180,084; Feb. 19.
Balls, Rubber. Tyer Rubber Company. 179,816; Feb. 19; Serial No. 181,966; published Dec. 4, 1923.
Cards, Playing. S. F. Hanzel. 179,915; Feb. 19; Serial No. 183,068; published Dec. 4, 1923.
Cards, Playing. Smith and Smith. 180,134; Feb. 19.
Game. Mel Rea Company. 180,058; Feb. 19; Serial No. 184,556; published Dec. 4, 1923.
Golf balls. Cupples Company Manufacturers. 179,925; Feb. 19; Serial No. 183,823; published Dec. 4, 1923.
Hammock and swing and canopy for same, Combination baby. Meiniker Hammock Mfg. Co. 180,142; Feb. 19.
Toy pistols. Kilgore Mfg. Co. 179,877; Feb. 19; Serial No. 186,914; published Dec. 4, 1923.

CLASS 23.

Check-indorsing machines. International Postal Supply Company of New York. 179,976; Feb. 19; Serial No. 184,858; published Nov. 27, 1923.
Check-indorsing machines. International Postal Supply Company of New York. 179,977; Feb. 19; Serial No. 184,856; published Nov. 27, 1923.
Mayonnaise-making machines. National Mayonnaise Machine Company. 179,837; Feb. 19; Serial No. 185,835; published Dec. 4, 1923.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,965; Feb. 19; Serial No. 187,001; published Dec. 4, 1923.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,966; Feb. 19; Serial No. 186,999; published Dec. 4, 1923.
Sprayers and parts thereof. Hudson Manufacturing Company. 179,971; Feb. 19; Serial No. 187,003; published Dec. 4, 1923.
Stereotype casting, cooling, and finishing machines. Wood Newspaper Machinery Corporation. 179,964; Feb. 19; Serial No. 186,736; published Dec. 4, 1923.
Stereotype casting, etc., machines. Wood Newspaper Machinery Corporation. 179,805; Feb. 19; Serial No. 186,735; published Dec. 4, 1923.
Tools. Lakeside Forge Company. 179,850; Feb. 19; Serial No. 185,660; published Dec. 4, 1923.
Tractors and road-grading machines. Gray Tractor Co. 179,979; Feb. 19; Serial No. 185,120; published Dec. 4, 1923.
Water-pressure systems, pumps, and engines and parts thereof. W. G. Noack. 179,794; Feb. 19; Serial No. 186,246; published Dec. 4, 1923.

CLASS 26.

Weighing apparatus and parts thereof. E. and T. Fairbanks and Company. 179,799; Feb. 19; Serial No. 186,118; published Nov. 27, 1923.

CLASS 29.

Powder puffs. Espiem Company. 180,010; Feb. 19; Serial No. 165,989; published Dec. 19, 1922.
Sweepers, Table. Pennsylvania Novelty Mfg. Co. 180,113; Feb. 19.

CLASS 30.

Pottery ware. Duo-Art Belleek Co. 179,956; Feb. 19; Serial No. 185,209; published Dec. 4, 1923.

CLASS 32.

Beds, household chairs and tables, dressers, etc. L. Goldberg. 180,133; Feb. 19.
Chairs, benches, stools, desks, and bookcases. Columbia School Supply Co. 179,969; Feb. 19; Serial No. 184,714; published Nov. 27, 1923.
Furniture. Continental Furniture Company. 180,098; Feb. 19.
Mattresses, pillows, and box springs. M. Gordon. 179,924; Feb. 19; Serial No. 183,923; published Dec. 11, 1923.

CLASS 33.

Glass. Pressed Prism Plate Glass Company. 179,861; Feb. 19; Serial No. 187,346; published Dec. 4, 1923.
Glass antiglare shields. Detro Sales Service Co. 179,860; Feb. 19; Serial No. 174,512; published Dec. 4, 1923.
Glass cooking ware for children, Sets of. McKee Glass Company. 179,888; Feb. 19; Serial No. 187,261; published Dec. 4, 1923.
Glass globes and reflectors for artificial light. Holophane Glass Company. 179,814; Feb. 19; Serial No. 182,813; published Dec. 4, 1923.
Glass lamp chimneys. Macbeth-Evans Glass Company. 180,118; Feb. 19.
Glassware, Ornamental and table. Imperial Glass Company. 179,936; Feb. 19; Serial No. 185,929; published Dec. 4, 1923.
Globes, Electric-light. X-Cel-All Co. 179,872; Feb. 19; Serial No. 187,499; published Dec. 4, 1923.

CLASS 34.

Boilers, Steam and hot-water. Fitzgibbons Boiler Company. 179,800; Feb. 19; Serial No. 186,121; published Nov. 27, 1923.
Furnaces, Warm-air. Sheet Metal Products Co. 180,087; Feb. 19.
Stoves. American Stove Company. 179,830; Feb. 19; Serial No. 181,330; published Dec. 11, 1923.
Stoves and ranges, Coal. North Dighton Stove Company. 180,130; Feb. 19.
Stoves, Brooder. K. H. Heckenhauer. 180,096; Feb. 19.
Water heaters and boilers, Jackets for. Bastian-Morley Co. 180,043; Feb. 19; Serial No. 185,102; published Dec. 11, 1923.

CLASS 35.

Belting. Security Rubber and Belting Company. 179,848; Feb. 19; Serial No. 185,624; published Dec. 4, 1923.
Fire hose, Linen. Wm. & Chas. Beck, Inc. 179,945; Feb. 19; Serial No. 185,648; published Dec. 4, 1923.
Gaskets and metallic packing. F. Goetze. 179,902; Feb. 19; Serial No. 186,551; published Dec. 4, 1923.
Glass globes and reflectors. Holophane Glass Company. 179,827; Feb. 19; Serial No. 182,814; published Dec. 4, 1923.
Hose, Fire and garden. Republic Rubber Company. 179,898; Feb. 19; Serial No. 186,614; published Dec. 4, 1923.
Packing rings. Johns-Manville, Inc. 179,996; Feb. 19; Serial No. 171,540; published July 17, 1923.
Tires, including outer casings and inner tubes, Vehicle. International Rubber Co. of America. 179,910; Feb. 19; Serial No. 186,276; published Dec. 4, 1923.
Tubes and rubber-tire covers, Inner. J. R. Reilly. 179,961; Feb. 19; Serial No. 185,230; published Dec. 4, 1923.

CLASS 37.

Blank forms. Mani-Fold Company. 180,004; Feb. 19; Serial No. 168,773; published Dec. 4, 1923.
Envelope-addressing stencils. G. Bonifacio. 180,083; Feb. 19; Serial No. 150,505; published Dec. 4, 1923.
Paper, Blasting. Diem & Wing Paper Co. 179,884; Feb. 19; Serial No. 186,879; published Dec. 4, 1923.
Paper, Blasting. Diem & Wing Paper Co. 179,887; Feb. 19; Serial No. 186,878; published Dec. 4, 1923.
Paper, Bond. Diem & Wing Paper Co. 179,876; Feb. 19; Serial No. 186,885; published Dec. 4, 1923.
Paper covers. Chas. Green Company. 179,906; Feb. 19; Serial No. 186,472; published Dec. 4, 1923.
Paper, Wax. Hamersley Manufacturing Company. 179,825; Feb. 19; Serial No. 181,445; published Dec. 4, 1923.
Paper, Wrapping. Diem & Wing Paper Co. 179,885; Feb. 19; Serial No. 186,883; published Dec. 4, 1923.
Paper, Wrapping. Diem & Wing Paper Co. 179,886; Feb. 19; Serial No. 186,877; published Dec. 4, 1923.
Paper, Wrapping. Diem & Wing Paper Co. 179,890; Feb. 19; Serial No. 186,875; published Dec. 4, 1923.
Tickets, paper clips, tags, and thumb tacks, Pin. Noesting Pin Ticket Company. 180,007; Feb. 19; Serial No. 166,199; published Dec. 4, 1923.

CLASS 38.

Bonds, coupons, certificate of stocks, etc., Vendible coupon. Prudence-Bonds Corporation. 179,835; Feb. 19; Serial No. 185,987; published Nov. 27, 1923.
Coupon bonds, coupons, certificates of stock, etc., Vendible. Prudence-Bonds Corporation. 179,831-2; Feb. 19; Serial Nos. 185,988-9; published Nov. 27, 1923.
Magazine. T. A. Boright. 179,824; Feb. 19; Serial No. 181,333; published Nov. 13, 1923.
Magazine, Monthly. E. T. Miller, jr. 179,903; Feb. 19; Serial No. 186,603; published Dec. 11, 1923.
Magazines. Street & Smith Corporation. 179,931; Feb. 19; Serial No. 186,166; published Dec. 11, 1923.

Newspaper columns. E. A. Moss. 179,929; Feb. 19; Serial No. 186,243; published Dec. 11, 1923.
Periodical. Laundry Age Publishing Company. 180,029; Feb. 19; Serial No. 152,131; published Nov. 13, 1923.
Publications, Monthly. Brown, Lockwood & Davenport Company. 179,930; Feb. 19; Serial No. 186,214; published Dec. 11, 1923.
Publication, Weekly. H. G. Regan. 180,047; Feb. 19; Serial No. 185,091; published Dec. 4, 1923.

CLASS 39.

Apparel, Wearing. S. A. Ellenbogen. 179,901; Feb. 19; Serial No. 186,546; published Dec. 11, 1923.
Bathing suits, Knitted. C. C. Smith. 179,908; Feb. 19; Serial No. 186,252; published Dec. 11, 1923.
Boots and shoes. C. H. Daly & Son Shoe Company. 180,067; Feb. 19; Serial No. 178,432; published Dec. 4, 1923.
Boots and shoes. J. P. Hartray Shoe Co. 180,054; Feb. 19; Serial No. 184,727; published Nov. 27, 1923.
Boots and shoes. J. P. Levy Shoe Co. 179,812; Feb. 19; Serial No. 182,662; published Dec. 4, 1923.
Boots and shoes, Leather. Societe Anonyme des Chaussures F. Pinet. 179,820; Feb. 19; Serial No. 181,706; published Dec. 4, 1923.
Boots, shoes, and moccasins. G. H. Bass & Co. 180,074; Feb. 19; Serial No. 180,354; published Nov. 20, 1923.
Boots, shoes, and slippers. Thomas G. Plant Company. 180,005; Feb. 19; Serial No. 167,097; published Dec. 4, 1923.
Caps, and water guards for bathing caps, Rubber bathing. Lew-Mar Products Company. 179,818; Feb. 19; Serial No. 182,475; published Dec. 4, 1923.
Corsets. Bonwit Teller & Co. 179,954; Feb. 19; Serial No. 185,172; published Nov. 27, 1923.
Corsets, brassières, hats, caps, and women's and children's dresses. R. H. White Company. 180,020; Feb. 19; Serial No. 159,071; published Aug. 15, 1922.
Corsets, corset waists, brassières, etc. Royal Worcester Corset Company. 180,068; Feb. 19; Serial No. 179,744; published Nov. 13, 1923.
Dresses, corsets, tailored suits, etc., Misses' and girls'. Best & Co. 179,846; Feb. 19; Serial No. 185,550; published Dec. 4, 1923.
Fur coats, Imitation-mink. Agines Brothers. 180,012; Feb. 19; Serial No. 163,728; published Nov. 13, 1923.
Garters. P. L. Zesbaugh. 180,108; Feb. 19.
Gloves, Fabric. B. F. Montague Company. 180,077; Feb. 19; Serial No. 181,084; published Dec. 4, 1923.
Hats. Dunlap & Co. 180,056; Feb. 19; Serial No. 184,786; published Nov. 27, 1923.
Hats, Geraldine Hat Co. 180,002; Feb. 19; Serial No. 170,482; published Nov. 27, 1923.
Hats, Ladies'. Lowengart & Company. 180,061; Feb. 19; Serial No. 184,208; published Nov. 27, 1923.
Hats, Ladies'. Simon Millinery Supply Co. 179,813; Feb. 19; Serial No. 182,726; published Nov. 27, 1923.
Hats, Men's straw. Blum & Koch, Inc. 180,119; Feb. 19.
Hatbands. F. T. Martinez & Sons. 179,912; Feb. 19; Serial No. 183,452; published Nov. 27, 1923.
Heels, Detachable shoe. W. A. Maloney. 180,135; Feb. 19.
Hosiery. Climax Hosiery Mills. 179,987; Feb. 19; Serial No. 185,449; published Dec. 4, 1923.
Hosiery. Hanes Hosiery Mills Company. 179,992; Feb. 19; Serial No. 185,458; published Dec. 4, 1923.
Hosiery. McCallum Hosiery Co. 179,804; Feb. 19; Serial No. 186,562; published Dec. 4, 1923.
Hosiery. A. V. Victorius & Co. 179,834; Feb. 19; Serial No. 185,944; published Dec. 4, 1923.
Hosiery, Men's. Newman & Co. 179,991; Feb. 19; Serial No. 185,492; published Dec. 4, 1923.
Neckties. James McCurrach & Brothers. 179,899; Feb. 19; Serial No. 186,655; published Dec. 11, 1923.
Neckties. A. Schreter. 179,892; Feb. 19; Serial No. 186,804; published Dec. 11, 1923.
Overcoats. R. H. Macy & Co. 179,932; Feb. 19; Serial No. 186,146; published Dec. 11, 1923.
Rubber boots and shoes. La Crosse Rubber Mills Co. 179,999; Feb. 19; Serial No. 171,370; published Dec. 4, 1923.
Shirts. Cluett, Peabody & Co. 180,136-7; Feb. 19.
Shirts and blouses, Boys'. C. P. Gordon. 179,903; Feb. 19; Serial No. 185,455; published Dec. 4, 1923.
Shirts and blouses, Boys'. C. P. Gordon. 180,037; Feb. 19; Serial No. 185,456; published Dec. 4, 1923.
Shirts, Work. Max Goldberg & Co. 179,900; Feb. 19; Serial No. 186,748; published Dec. 11, 1923.
Shoes. Theo. Bergmann Shoe Manufacturing Co. 180,141; Feb. 19.
Shoes. Hofheimer Brothers Company. 179,920; Feb. 19; Serial No. 183,626; published Dec. 11, 1923.
Shoes. M. S. Perelstine. 180,006; Feb. 19; Serial No. 167,893; published Dec. 4, 1923.
Shoes. Wall, Streeter & Doyle Co. 180,052; Feb. 19; Serial No. 184,807; published Nov. 27, 1923.
Shoes, Leather. Pincus & Tobias Inc. 180,050; Feb. 19; Serial No. 184,917; published Nov. 27, 1923.
Shoes, Leather. Rosenwasser Bros. 180,013; Feb. 19; Serial No. 164,071; published Dec. 4, 1923.
Shoes, Women's leather. International Shoe Company. 180,049; Feb. 19; Serial No. 184,970; published Nov. 27, 1923.
Sweaters. Arr-Tee Knitting Mills. 180,138; Feb. 19.
Underwear, Ladies' muslin. Harris & Barnett. 180,044; Feb. 19; Serial No. 185,581; published Dec. 4, 1923.
Underwear, Men's. Pride Underwear Co. 179,995; Feb. 19; Serial No. 185,535; published Dec. 4, 1923.
Underwear, Women's. H. Sacks. 180,025; Feb. 19; Serial No. 158,736; published Nov. 27, 1923.
Waterproof covers for hats and caps. Hodgman Rubber Company. 179,854; Feb. 19; Serial No. 171,916; published Nov. 27, 1923.

CLASS 40.

Buckles, Strap. Alma Manufacturing Company of Baltimore City. 180,123; Feb. 19.
Needlework, Art. Southern Yarn Exchange. 179,828; Feb. 19; Serial No. 181,151; published Dec. 4, 1923.
Snap fasteners. Waldes & Co. 180,121; Feb. 19.

CLASS 42.

Cambrics and nainsooks. Lonsdale Co. 179,844; Feb. 19; Serial No. 185,714; published Nov. 20, 1923.
Cloth, Cotton. Bear Mill Manufacturing Company. 179,847; Feb. 19; Serial No. 185,553; published Nov. 20, 1923.
Cloths and stuffs of wool, worsted, and hair. D. Ballantyne, Brothers & Co. 179,937; Feb. 19; Serial No. 185,913; published Dec. 4, 1923.
Cloths, Painters' and decorators' drop. Leek Brothers. 180,030; Feb. 19; Serial No. 150,969; published Dec. 4, 1923.
Comforts, Bed. A. L. Reach. 179,842; Feb. 19; Serial No. 185,795; published Nov. 13, 1923.
Corduroys, velveteens, and cotton piece goods. Howlett & Hockmeyer Co. 179,908; Feb. 19; Serial No. 184,855; published Nov. 20, 1923.
Cotton, mohair, etc. piece goods. Beuret & Company. 179,918; Feb. 19; Serial No. 183,464; published Dec. 4, 1923.
Cotton piece goods. American Bleached Goods Company. 179,867; Feb. 19; Serial No. 176,525; published Dec. 4, 1923.
Cotton piece goods. American Bleached Goods Company. 179,926-7; Feb. 19; Serial Nos. 184,198-0; published Dec. 4, 1923.
Cotton piece goods. American Printing Company. 179,845; Feb. 19; Serial No. 185,737; published Nov. 13, 1923.
Cotton piece goods. O. H. Hinck. 180,081; Feb. 19; Serial No. 180,664; published Dec. 4, 1923.
Cotton piece goods. Minot, Hooper & Co. 180,003; Feb. 19; Serial No. 168,896; published Dec. 4, 1923.
Cotton piece goods. Sayles Finishing Plants, Inc. 180,128; Feb. 19.
Cotton piece goods. Wilton Manufacturing Company. 179,839; Feb. 19; Serial No. 185,773; published Nov. 20, 1923.
Cotton piece goods. Wilton Manufacturing Company. 179,840-1; Feb. 19; Serial Nos. 185,774-5; published Nov. 13, 1923.
Cotton piece goods, Bleached. B. B. & R. Knight, Inc. 179,913; Feb. 19; Serial No. 183,215; published Dec. 4, 1923.
Cotton, silk and cotton, and silk and wool piece goods. Lorraine Manufacturing Company. 160,093; Feb. 19.
Fabrics made from cellulose derivatives. British Cellulose and Chemical Manufacturing Company. 179,796; Feb. 19; Serial No. 186,313; published Nov. 20, 1923.
Hair nets. Benjamin S. Freedman Company. 180,040; Feb. 19; Serial No. 185,515; published Dec. 4, 1923.
Hair nets. Betsy Ross Hair Net Corp. 179,990; Feb. 19; Serial No. 185,509; published Nov. 13, 1923.
Hair nets. S. Glemby's Son's Co. 179,806; Feb. 19; Serial No. 186,009; published Nov. 13, 1923.
Hair nets. Namco Products Corporation. 179,958; Feb. 19; Serial No. 185,307; published Dec. 4, 1923.
Hair nets. Namco Products Corporation. 179,984; Feb. 19; Serial No. 185,308; published Nov. 13, 1923.
Handkerchiefs. J. Silberstein. 179,838; Feb. 19; Serial No. 185,847; published Nov. 20, 1923.
Kerchiefs and handkerchiefs. S. E. Rains. 180,032; Feb. 19; Serial No. 151,521; published Dec. 4, 1923.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 179,935; Feb. 19; Serial No. 185,948; published Dec. 4, 1923.
Laces, handkerchiefs, embroideries, and silk goods. Morisse Lace & Embroidery Co. 179,869; Feb. 19; Serial No. 177,985; published Dec. 4, 1923.
Net and silk lace piece goods, etc. David E. Schwab & Company. 180,042; Feb. 19; Serial No. 185,093; published Dec. 4, 1923.
Pillowcases. J. C. Penney Company. 179,843; Feb. 19; Serial No. 185,671; published Nov. 13, 1923.
Shades, Fabric for window. James, Baron Ashton. 179,852; Feb. 19; Serial No. 172,190; published Dec. 4, 1923.
Sheets, sheetings, pillowcases, etc. Peerless Cotton Mills. 179,911; Feb. 19; Serial No. 182,989; published Dec. 4, 1923.
Sheets, sheeting, pillowcases, etc. Peerless Cotton Mills. 179,963; Feb 19; Serial No. 182,991; published Dec. 4, 1923.
Silk and cotton piece goods. Voss & Stern. 179,994; Feb. 19; Serial No. 185,545; published Nov. 20, 1923.

Silk, cotton, etc., piece goods. Haas Brothers Fabrics Corporation. 179,923; Feb. 19; Serial No. 183,924; published Dec. 4, 1923.
Silk piece goods. Jefferson Silk Company. 179,944; Feb. 19; Serial No. 185,710; published Dec. 4, 1923.
Textile fabrics, also silk ribbons. Oriental Silk Printing Company. 179,951; Feb. 19; Serial No. 185,141; published Dec. 4, 1923.
Voile in the piece. Max Schwarz Textile Corporation. 179,836; Feb. 19; Serial No. 185,797; published Nov. 20, 1923.
Woolen piece goods. American Interseas Corporation. 180,008; Feb. 19; Serial No. 166,866; published Dec. 4, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 179,960; Feb. 19; Serial No. 185,114; published Nov. 20, 1923.

CLASS 43.

Yarns. Bernhard Ullmann Co. Inc. 180,065; Feb. 19; Serial No. 178,150; published May 8, 1923.

CLASS 44.

Antiseptic dressings, plain, absorbent, and medicated cottons and gauzes and bandages. Deane Plaster Co. 179,863; Feb. 19; Serial No. 175,306; published Dec. 11, 1923.
Catamenial bandages. Penn Bros. 180,117; Feb. 19.
Electrically-heated head caps. Thompson-Barlow Company. 180,091; Feb. 19.
Foot appliances or orthopedic pads or cushions. Foot Remedy Company. 179,878; Feb. 19; Serial No. 187,103; published Dec. 11, 1923.
Generators, Violet-ray high-frequency. Chas. A. Branston, Inc. 180,127; Feb. 19.
Lamps, Quartz. Hanovia Chemical & Manufacturing Co. 179,978; Feb. 19; Serial No. 185,123; published Dec. 4, 1923.
Sanitary elastic woven belts and cotton napkins. Fuller-Morrison Company. 179,981; Feb. 19; Serial No. 185,218; published Dec. 4, 1923.
Syringes. Hierspeell Brothers. 180,062; Feb. 19; Serial No. 180,062; published Dec. 11, 1923.
Syringes, hot-water bags, and water bags, Fountain. D. C. Poulsen. 179,858; Feb. 19; Serial No. 175,156; published Dec. 11, 1923.

CLASS 45.

Beverage and a sirup for making the same. Mound City Bottling Company. 180,124–5; Feb. 19.
Beverage sold as a soft drink. W. G. Jackson. 180,088; Feb. 19.
Beverages and sirup used in preparation of same, Non-alcoholic. Henry-Brown Company. 179,972; Feb. 19; Serial No. 187,311; published Dec. 4, 1923.
Beverages sold as soft drinks and sirups for making the same. H. Kirsch & Company. 179,880; Feb. 19; Serial No. 187,319; published Dec. 4, 1923.
Grape juice. Sam Seelig Co. 179,874; Feb. 19; Serial No. 187,542; published Dec. 4, 1923.
Sirups for soft drinks, Fruit. S. S. Pierce Co. 180,078; Feb. 19; Serial No. 181,041; published Dec. 4, 1923.

CLASS 46.

Bacon, hams, lard, sausage. Nelson Meat Company. 179,811; Feb. 19; Serial No. 182,519; published Dec. 11, 1923.
Bread. Cushman's Sons, Inc. 179,856; Feb. 19; Serial No. 173,073; published Dec. 11, 1923.
Bread. Gordon Baking Co. 179,870; Feb. 19; Serial No. 177,666; published Dec. 11, 1923.
Bread. A. Kroodvird. 179,868; Feb. 19; Serial No. 178,048; published Dec. 11, 1923.
Bread. Massachusetts Baking Company. 179,859; Feb. 19; Serial No. 174,582; published Dec. 11, 1923.
Bread and rolls. P. M. Dersch. 180,018; Feb. 19; Serial No. 160,879; published Dec. 11, 1923.
Butter. Shafer-Cove Creamery Co. 180,066; Feb. 19.
Butter. I. O. Wise. 180,064; Feb. 19; Serial No. 178,650; published Dec. 11, 1923.
Buttermilk, Condensed. Omaha Cold Storage Company. 180,139; Feb. 19.
Calves and yearlings, Live. Highland Hereford Breeder's Association. 179,940; Feb. 19; Serial No. 185,785; published Dec. 11, 1923.
Candies. I. C. Candy Co. 179,896; Feb. 19; Serial No. 186,791; published Dec. 11, 1923.
Candy. Ambrosia Chocolate Co. 180,015; Feb. 19; Serial No. 171,886; published Dec. 11, 1923.
Candy. Walter G. Birk Candy Company. 180,001; Feb. 19; Serial No. 169,525; published Dec. 11, 1923.
Candy. J. B. Trawley. 180,039; Feb. 19; Serial No. 185,514; published Dec. 11, 1923.
Candy. V. B. Norris. 179,959; Feb. 19; Serial No. 185,259; published Dec. 11, 1923.
Candy. Pangburn Company. 179,921; Feb. 19; Serial No. 183,535; published Dec. 11, 1923.
Candy. W. G. Rodiger. 179,962; Feb. 19; Serial No. 182,997; published Dec. 11, 1923.
Candy. Sioux Candy Company. 180,053; Feb. 19; Serial No. 184,697; published Dec. 4, 1923.
Candy. A. Widdis. 180,055; Feb. 19; Serial No. 184,777; published Dec. 11, 1923.
Canned blueberries. Chandler River Co-Operative Canning Association. 180,076; Feb. 19; Serial No. 180,208; published Dec. 11, 1923.
Canned fish, fruits, vegetables, and olives. Van Camp Sea Food Company. 179,963; Feb. 19; Serial No. 185,165; published Dec. 4, 1923.
Canned fruits. F. G. Wool Packing Company. 179,982; Feb. 19; Serial No. 185,168; published Dec. 4, 1923.
Canned fruits and vegetables. Tamal Packing Co. 179,823; Feb. 19; Serial No. 181,920; published Dec. 11, 1923.
Canned meat. Gebhardt Chili Powder Co. 180,104; Feb. 19.
Canned tunny fish. Seacoast Canning Co. 179,975; Feb. 19; Serial No. 185,094; published Dec. 4, 1923.
Cereal and remedial food, Breakfast. Phospho Food Co. 180,014; Feb. 19; Serial No. 165,716; published Dec. 11, 1923.
Cheese. Empire Cheese Company. 180,027; Feb. 19; Serial No. 157,092; published Dec. 11, 1923.
Cheese. J. W. Klensch & Co. 180,021; Feb. 19; Serial No. 159,709; published Dec. 11, 1923.
Cheese. Pabst Farms. 179,826; Feb. 19; Serial No. 181,495; published Dec. 11, 1923.
Coffee. Federal Coffee Company. 180,111; Feb. 19.
Coffee. Estate of J. M. Fey. 179,917; Feb. 19; Serial No. 183,472; published Dec. 4, 1923.
Coffee. J. Henry Koenig Co. 180,109–10; Feb. 19.
Coffee. Mecke & Co. 179,916; Feb. 19; Serial No. 183,529; published Dec. 4, 1923.
Coffee, spices, peanut butter, salad oil, etc. H. R. Linder. 179,817; Feb. 19; Serial No. 182,157; published Dec. 4, 1923.
Confections, Frozen. F. W. Epperson. 180,075; Feb. 19; Serial No. 180,330; published Dec. 11, 1923.
Corn. Bement-Rea Co. 180,085; Feb. 19.
Dough, Prepared. Watson Food Products Co. 180,090; Feb. 19.
Eggs. E. Beck. 180,063; Feb. 19; Serial No. 178,808; published Dec. 11, 1923.
Feeds, Dairy. Ontario Milling Company Incorporated. 180,022; Feb. 19; Serial No. 160,297; published Dec. 11, 1923.
Figs and fig butter, Preserved. C. Schmidt. 179,822; Feb. 19; Serial No. 181,913; published Dec. 11, 1923.
Fish, crabs, crab meat, etc., Fresh. Birdseye Seafoods, Inc. 180,094–5; Feb. 19.
Flavoring extracts, saccharin, and vanilla beans, Food. George V. Gross & Company. 180,122; Feb. 19.
Flour, Wheat. Holt & Company. 180,085; Feb. 19; Serial No. 115,504; published Dec. 11, 1923.
Food product. H. B. Hunter. 180,070; Feb. 19; Serial No. 179,304; published Dec. 4, 1923.
Fruits and fresh vegetables, Fresh citrous. Wallerstein Plantations, Inc. 179,871; Feb. 19; Serial No. 177,532; published Dec. 11, 1923.
Fruits, Fresh deciduous. J. F. Elliot. 180,060; Feb. 19; Serial No. 184,661; published Dec. 4, 1923.
Grapes, Fresh. O. J. Le Baron. 179,943; Feb. 19; Serial No. 185,661; published Dec. 4, 1923.
Gum, Chewing. Listerated Gum Corporation. 180,045; Feb. 19; Serial No. 184,978; published Dec. 11, 1923.
Gum, Chewing. Listerated Gum Corporation. 180,048; Feb. 19; Serial No. 184,977; published Dec. 11, 1923.
Ham, bacon, lard, sausage, meat roll, etc. Wilmington Provision Company. 180,023; Feb. 19; Serial No. 158,808; published Dec. 4, 1923.
Ice cream. Bunkie Ice Company. 179,974; Feb. 19; Serial No. 185,105; published Nov. 27, 1923.
Ice-cream confection. M. Ryerson. 179,942; Feb. 19; Serial No. 185,723; published Dec. 4, 1923.
Ice cream, Fruit. N. F. Spinelli. 179,914; Feb. 19; Serial No. 183,170; published Dec. 11, 1923.
Mayonnaise, salad and cooking oil, olive oil, and tartar sauce. J. R. Berger. 180,072; Feb. 19; Serial No. 180,649; published Dec. 11, 1923.
Meat and meat products. N. Auth Provision Company. 179,985; Feb. 19; Serial No. 185,282; published Dec. 4, 1923.
Meat products. H. L. Handy. 179,998; Feb. 19; Serial No. 171,079; published Dec. 11, 1923.
Milk and cream, butter, cheese, and ice cream, Fresh. Purity Maid Products Company. 179,821; Feb. 19; Serial No. 181,775; published Dec. 11, 1923.
Milk, Chocolate malted. S. W. Brown Co. 180,041; Feb. 19; Serial No. 185,556; published Dec. 11, 1923.
Mush and Philadelphia scrapple, Corn-meal. Colonial Mush Company. 180,079; Feb. 19; Serial No. 180,964; published Dec. 11, 1923.
Oats for use as stock feeds. E. E. Anderson. 179,865; Feb. 19; Serial No. 175,836; published Dec. 11, 1923.
Oleomargarine. Standard Nut Margarine Co. 180,016; Feb. 19; Serial No. 161,649; published Dec. 11, 1923.
Onions, Fresh. Dingfelder & Ballish. 180,059; Feb. 19; Serial No. 184,659; published Dec. 11, 1923.
Oranges and lemons. James Mills Orchards Corporation. 179,891; Feb. 19; Serial No. 186,797; published Dec. 11, 1923.
Oranges, lemons, and pears. James Mills Orchards Corporation. 179,897; Feb. 19; Serial No. 186,796; published Dec. 11, 1923.
Packing-house products. Wilmington Provision Company. 180,024; Feb. 19; Serial No. 158,808; published Dec. 4, 1923.

Peaches, Fresh. Fruit Haven Farm. 180,011; Feb. 19; Serial No. 166,053; published Dec. 11, 1923.
Potatoes. H. C. Whitehead. 180,080; Feb. 19; Serial No. 180,915; published Dec. 11, 1923.
Potatoes, Seed. Phillips & Company. 179,947–8; Feb. 19; Serial Nos. 185,644–5; published Dec. 11, 1923.
Potatoes, Table. Phillips & Company. 179,946; Feb. 19; Serial No. 185,646; published Dec. 11, 1923.
Potatoes, Table. Phillips & Company. 179,957; Feb. 19; Serial No. 185,643; published Dec. 11, 1923.
Rice. S. M. Phillips. 180,140; Feb. 19.
Rice and rice flour. Rosenberg Bros. & Co. 180,019; Feb. 19; Serial No. 161,062; published Dec. 11, 1923.
Sandwich, Fruit-nut. McCall Groniger Co. 179,864; Feb. 19; Serial No. 176,414; published Dec. 11, 1923.
Spaghetti and spaghetti sauces. P. A. Caporale. 179,815; Feb. 19; Serial No. 181,939; published Dec. 4, 1923.
Sugar, Corn. A. E. Staley Manufacturing Company. 180,069; Feb. 19; Serial No. 179,687; published Dec. 11, 1923.
Sugar, Malt. Schreiber Products Corporation. 180,036; Feb. 19; Serial No. 185,498; published Dec. 4, 1923.
Tapioca preparations. Minute Tapioca Company. 180,073; Feb. 19; Serial No. 180,546; published Dec. 4, 1923.
Vinegar. Seven-O-Co. 179,928; Feb. 19; Serial No. 184,042; published Dec. 4, 1923.

CLASS 50.

Artists' sets for children. Elephant Studios. 180,034; Feb. 19; Serial No. 163,622; published Dec. 11, 1923.
Bottles, jars, cans, etc., Screw caps, tops, and covers for. Security Metal Products Co. 179,919; Feb. 19; Serial No. 183,762; published Dec. 4, 1923.
Cotton cloth for use as an acoustical membrane. Johns-Manville, Incorporated. 179,922; Feb. 19; Serial No. 183,977; published Dec. 11, 1923.
Shadow-casting devices, Animated. B. H. Scotford. 180,017; Feb. 19; Serial No. 161,653; published Dec. 11, 1923.

ALPHABETICAL LIST OF LABELS.

Advance Feltbak (Without Corks) Transmission Lining. For Transmission Linings. Advance Automobile Accessories Corporation. 26,942; Feb. 19.
Assorted Kisses. For Cartons Containing Candy. Milwaukee Paper Box Co. 26,957; Feb. 19.
Blue Bunny. For Canned Tomatoes. National Packing Corporation. 26,963; Feb. 19.
Capidome. For Citrous Fruits. Winter Haven Citrus Growers Association. 26,986; Feb. 19.
Chocolates. For Boxes Containing Candy. Milwaukee Paper Box Co. 26,959; Feb. 19.
Cinnamon Balls. For Candy. Milwaukee Paper Box Co. 26,958; Feb. 19.
Dr. White's Laxative Vegetable Liver Pills. For Pills for the Relief of Constipation and Biliousness. First National Laboratories, Inc. 26,946; Feb. 19.
Everett Orchards Of Vermont. For Apples. Edward H. Everett Co. 26,945; Feb. 19.
First Call. For Tomatoes. Wimberley Grocer Company. 26,984; Feb. 19.
Garcia Corona. For Cigars. R. J. Lytle. 26,955; Feb. 19.
Gelfand's Combination Relish. For Combination Relish. Gelfand Manufacturing Co. 26,947; Feb. 19.
Goodman's Patent Meal. For Matzoth Meal. A. Goodman & Son, Inc. 26,949; Feb. 19.
Goodman's Pure Egg Alphabets. For Pure Egg Alphabets. A. Goodman & Sons, Inc. 26,948; Feb. 19.
Goodman's Pure Egg Flakes. For Pure Egg Flakes. A. Goodman & Sons, Inc. 26,950; Feb. 19.
High Life. For Ginger Ale. H. C. Schranck Company. 26,971; Feb. 19.
Honey Girl. For Buns. Schulze Baking Company. 26,974; Feb. 19.
Kleckner's Hair New. For Preparation for Use in Hair Dressing and as a Hair Preserver and Restorer. J. W. Kleckner. 26,953; Feb. 19.
Lyons' California Orchard Scenes, Series No. 1. For Glacé Fruits. J. C. Raas. 26,967; Feb. 19.
Moss-Rose. For Bleached Cotton, Cambrics, and Nainsooks. Quinn-Marshall Company. 26,966; Feb. 19.
Motor-Kleen. For Carbon Remover for Gas Engines. Motor-Kleen Corporation. 26,960; Feb. 19.
Napaco. For Canned Kraut. National Packing Corporation. 26,962; Feb. 19.
Nu-Dri Visible Stencil. For Cutting Stencils for Duplicating Machines. Rowe-Williams, Inc. 26,969; Feb. 19.
$1000.00 Guaranteed Toes-Up. For Insecticide for Killing Flies and Mosquitoes. B. Heller & Company. 26,951; Feb. 19.
Pierce's. For Tomatoes. Utah Canning Company. 26,961; Feb. 19.
Red Mount. For Canned Tomatoes. National Packing Corporation. 26,964; Feb. 19.
Rheum-A-Herbo. For Remedy for Rheumatism in All Its Forms. Rheumatism Herb Co. 26,968; Feb. 19.
Rose Bud, For Coffee. Widlar Co. 26,983; Feb. 19.
Sankey's Life of Leather. For a Waterproof Leather Preserver for Belting, Harness, Shoes, and All Kinds of Leather. D. W. Sankey. 26,970; Feb. 19.
Schulze's Coffee Cake. For Coffee Cake. Schulze Baking Company. 26,973; Feb. 19.
Schulze's Potato Rolls. For Rolls. Schulze Baking Company. 26,972; Feb. 19.
Smile Of Cuba. For Cigars. F. X. Smith's Sons Co. 26,976; Feb. 19.
Spotlight. For Hosiery. R. Wollstein. 26,987; Feb. 19.
Springfield Dairy Products Co. Creamery Butter. For Butter. Menasha Printing and Carton Company. 26,956; Feb. 19.
Sunny Garden. For Canned Tomatoes. National Packing Corporation. 26,965; Feb. 19.
The Gump Family. For Candy. S. Smith. 26,975; Feb. 19.
The Real Steer Sled. For Sleds. Chicago Roller Skate Company. 26,944; Feb. 19.
The Sheik. For Candy. Allen-Qualley Company. 26,943; Feb. 19.
Thyro-Logen A Halogen Bearing Food. For a Medicinal Preparation (Food for Thyroid Gland). Thyro-Logen Laboratories, Inc. 26,978; Feb. 19.
Thyro-Logen is a healthful, harmless food for the Thyroid gland. For a Medicinal Preparation (Food for Thyroid Gland). Thyro-Logen Laboratories, Inc. 26,979; Feb. 19.
Tongue Twisters. For Licorice Candy. National Licorice Company. 26,961; Feb. 19.
2 Minute. For Jelly. Two-Minute Jelly Company. 26,980; Feb. 19.
Umpire. For Citrous Fruits. Winter Haven Citrus Growers Association. 26,985; Feb. 19.
Waffled Whole Wheat. For Cereal Foods. J. Loufek. 26,954; Feb. 19.
Whitaker's Blue Point. For Cigars. J. F. Whitaker. 26,982; Feb. 19.
White Nectar Holstein Milk. For Milk. Holstein Friesian Association of America. 26,952; Feb. 19.
Wurzburger Malt Supreme. For Malt Extract or Sirup. H. D. Sterrick. 26,977; Feb. 19.

ALPHABETICAL LIST OF PRINTS.

A good hunch for the school lunch. For Cakes. Ward Baking Company. 7,205; Feb. 19.
A Model diet table for the baby. For Wheat Breakfast Food. Cream of Wheat Co. 7,185; Feb. 19.
A vitally important place in every home. For Household Products. E. R. Squibb & Sons. 7,200; Feb. 19.
At night especialy, guard The Danger Line. For Dental Cream. E. R. Squibb & Sons. 7,196; Feb. 19.
Bunny Money Bank. For Paper Banks. Empire Paper Products Corporation. 7,186; Feb. 19.
Buy the Cake with a Reputation. For Cakes. Ward Baking Company. 7,206; Feb. 19.
Famous Fain Kamel Koat. For Sweaters and Sweater Coats. Fain Knitting Mills, Inc. 7,187; Feb. 19.
Famous Fain Useful Knitted Gifts, for Xmas Greetings. For Hosiery, Underwear, Sweaters, and Knitted Products. Fain Knitting Mills, Inc. 7,188; Feb. 19.
Fight Acid-Erosion at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 7,199; Feb. 19.
Great Lakes To The Ocean. For Cleansing Material. E. F. McCromish. 7,191; Feb. 19.
It's beter when—It's Cal'd-Well. For Cribs. Caldwell Manufacturing Company. 7,183; Feb. 19.
Keeps Him Smiling. For Bread. Ward Baking Company. 7,207; Feb. 19.
May Days and all Days buy Ward's Cakes. For Cake. Ward Baking Company. 7,203; Feb. 19.
Oblique Projection. For Watches and Watch Movements. H. Gisiger. 7,189; Feb. 19.
Post Toasties—Improved Corn Flakes. For Cereal Breakfast Food. Postum Cereal Co. 7,193; Feb. 19.
Pure. For Kirkman's Floating Soap. Kirkman & Son. 7,190; Feb. 19.
Security Blanket Fastener. For a Fastener for Maintaining Bed Coverings in Position. Security Blanket Fastener Co. 7,194; Feb. 19.
Some Like It Hot, Some Like It Cold. For Wheat Breakfast Food. Cream of Wheat Co. 7,184; Feb. 19.

The Danger Line. For Dental Cream. E. R. Squibb & Sons. 7,195; Feb. 19.

The White Wheat Loaf with the Vitamins. For Bread. Ward Baking Company. 7,204; Feb. 19.

These products should be in your medicine cabinet. For Household Products. E. R. Squibb & Sons. 7,197; Feb. 19.

Wafeldog. For Wafeldog. Wafeldog Corporation. 7,201; Feb. 19.

Watch Your in Step. For Arch Uplifters. Ohio Truss Co. 7,192; Feb. 19.

We Carry a Full Line. For Musical Instruments and Supplies. J. E. Ward. 7,202; Feb. 19.

Your whole life long— For Dental Cream. E. R. Squibb & Sons. 7,198; Feb. 19.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Bird gravel. F. T. Horton Co. 188,242; Feb. 19.
Coal. Peabody Coal Company. 185,876; Feb. 19.
Coal. W. H. Warner & Co. 190,365; Feb. 19.
Fur pelts. M. J. Baruch Sons Inc. 189,929; Feb. 19.
Fur skins. A. Hollander & Son-Arnhold Corporation. 188,116; Feb. 19.
Leather. Fred Rueping Leather Company. 170,404–5; Feb. 19.
Leather, Pigskin. Herman Roser & Son, Inc. 190,430; Feb. 19.
Leathers. G. Levor & Co. 188,124; Feb. 19.
Pyroxylin sheet material. American Celutex Corporation. 190,223; Feb. 19.
Seeds, Field. West Branch Co-operative Seed Growers Ass'n. 187,398; Feb. 19.

CLASS 4.

Abrasives. Globe Iron-Crush & Shot Co. 189,156; Feb. 19.
Auto body cleaner. F. F. Dalley Company. 188,746; Feb. 19.
Cleaner with incidental water-softening properties. Genie Products Company. 164,701; Feb. 19.
Cream, Shaving. D. M. Dickinson. 170,756; Feb. 19.
Soap. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,495; Feb. 19.
Soap. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,497; Feb. 19.
Soap. Remilier Co. 172,352; Feb. 19.
Soap, leather dressing, etc. Research Club, Inc. 188,428; Feb. 19.
Soaps, soap paste and powders. Parfumerie Roger et Gallet. 185,142; Feb. 19.
Washing crystals. Diamond, McDonnell & Co. 186,608; Feb. 19.
Washing fluid. La Pulita Chemical Co. 188,561; Feb. 19.

CLASS 6.

Antiseptic germicide and tissue builder preparations. W. M. Martin. 190,080; Feb. 19.
Cathartic preparations for the treatment of fevers, colic, etc. Perlax Company. 189,947; Feb. 19.
Cough sirup and an injection for venereal diseases. H. F. Bader. 189,233; Feb. 19.
Cream, Wrinkle. M. Sullivan. 178,365; Feb. 19.
Dentifrices. W. H. Lamb. 188,964; Feb. 19.
Deodorant. J. C. McKinney. 185,873; Feb. 19.
Disinfectants and deodorants. Winola Corporation. 189,958; Feb. 19.
Hair dressing. Puritan Pharmaceutical Co. 189,584; Feb. 19.
Hair tonic. A. E. Harwell. 175,869; Feb. 19.
Hair tonics, antiseptic preparations, etc. H. Tyree. 189,872; Feb. 19.
Ingredient for controlling acid baths for pickling metals. American Chemical Paint Company. 190,000; Feb. 19.
Insecticides, germicides, disinfectants, and deodorants. Stackhouse Chemical Corporation. 187,140; Feb. 19.
Licorice paste and extracts. H. Utard. 190,183; Feb. 19.
Medicinal compounds for a liquid antiseptic and mouth wash. W. G. Fauxtis. 187,440; Feb. 19.
Medicinal preparation. G. E. Burcher. 186,942; Feb. 19.
Medicinal preparation. J. P. Miller. 179,737; Feb. 19.
Medicinal preparation for faulty digestion. Hudson Pharmacal Company. 190,195; Feb. 19.
Medicinal tablets and pills for the treatment of constipation and indigestion. G. W. Cummins. 183,822; Feb. 19.
Oil, fiber grease, and yarn grease, Knitting. Standard Oil Company of Louisiana. 190,212; Feb. 19.
Oils for lubricating yarns. A. F. Zurn Company. 186,536; Feb. 19.
Ointment used for the promotion of hair growth. R. C. McNeill. 188,765; Feb. 19.
Ointments for cuts, sores, chapped hands, etc. W. L. Chandler. 190,234; Feb. 19.
Pharmaceutical preparations for treatment of goiter. M. B. Darling. 174,893; Feb. 19.
Preparation for sea and car sickness. A. M. Smith, jr. 182,443; Feb. 19.
Preparation for straightening hair. J. F. Ashworth. 186,580; Feb. 19.
Preparation for syphilis. Powers-Weightman-Rosengarten Co. 189,863; Feb. 19.
Remedy for roup. W. A. Dearing. 189,968; Feb. 19.
Rouge, cold cream, lip stick, toilet water, talcum powder, etc. Lournay, Inc. 177,234; Feb. 19.
Salt. Alex. Kerr Brother & Co. 180,801; Feb. 19.
Salve. Dan-D-Rem, Inc. 190,048; Feb. 19.
Salve, Healing. F. W. Vogel. 188,346; Feb. 19.
Soda, Washing. Buckeye Soda Products Company. 189,962; Feb. 19.
Tablets, Cold. L. L. Dittoe. 190,152; Feb. 19.
Tonic. Jersey Pharmacal Co. 190,196; Feb. 19.
Tonic. G. Sparano. 185,798; Feb. 19.
Tonic, General. Eagle Remedy Company. 183,367; Feb. 19.
Witch-hazel, preparation for destroying insects and vermin, bronchial troches, etc. Owl Drug Company. 166,403; Feb. 19.

CLASS 8.

Paper, Cigarette. American Tobacco Company. 189,089; Feb. 19.

CLASS 9.

Matches, Safety. Suomen Osuuskauppojen Keskuskunta r. l. 187,392; Feb. 19.

CLASS 11.

Inks, Printing. J. M. Huber, Inc. 188,591; Feb. 19.

CLASS 12.

Brick, etc., Fire. A. P. Green Fire Brick Co. 188,204; Feb. 19.
Brick, Face. Arkansas Brick and Tile Co. 189,347; Feb. 19.
Brick, Face. Birmingham Clay Products Co. 166,431; Feb. 19.
Cement, Compound for waterproofing and increasing the strength of. H. C. Carroll. 189,842; Feb. 19.
Fiber boards. C. H. Whiting Co. 189,348; Feb. 19.
Fiber boards in sheets. Agasote Millboard Co. 189,748; Feb. 19.
Furnace structures, Refractory linings for. Quigley Furnace Specialties Company. 190,029; Feb. 19.
Plaster board. Minneapolis Paper Co. 189,685; Feb. 19.
Roofing and surfaces, Asphalt composition. Tropical Roof Products Co. 184,806; Feb. 19.
Shingles. Edgecumbe-Newham Company Limited. 188,411; Feb. 19.
Stucco. Marine Decking and Supply Company. 188,563; Feb. 19.
Wall board. Buttress Manufacturing Co. 188,887; Feb. 19.
Waterproofing and protective coating. A. B. Callaghan. 143,546; Feb. 19.

CLASS 13.

Automobile accessories. E. E. Graves. 187,309; Feb. 19.
Belt-fastening plates, metallic lacing, wire, etc. Crescent Belt Fastener Company. 169,202; Feb. 19.

CLASS 14.

Alloys and metal castings and forgings. Bario Metal Corporation. 165,060; Feb. 19.
Gold leaf, imitation gold and silver leaf. Coughlin Manufacturing Co. 190,285; Feb. 19.

CLASS 16.

Oil, floor dressing, and liquid gloss, Floor. Standard Oil Company of Louisiana. 190,214; Feb. 19.

CLASS 17.

Cigarettes. Stephano Brothers. 189,537; Feb. 19.
Cigars. Deisel-Wemmer Co. 190,538; Feb. 19.
Tobacco and cigarettes. Pinkerton Tobacco Co. 173,853; Feb. 19.

CLASS 19.

Automobile accessories. Haines Manufacturing Corporation. 185,219; Feb. 19.
Automobile tops, curtains, and repair parts. Fixit Body & Fender Repair Company. 189,047; Feb. 19.
Automobiles. Rentacar Company. 188,378; Feb. 19.
Automobiles. Willys-Overland Company. 187,895; Feb. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bicycles. Van Camp Hardware & Iron Company. 187,553; Feb. 19.
Car couplers, etc., Lock lifts for railway-. Car Devices Company. 187,984; Feb. 19.
Trucks, Automobile. H. G. Stiles. 173,012; Feb. 19.
Underslung parts. New England Mills Company. 187,763; Feb. 19.

CLASS 21.

Amplifiers and thermionic devices. F. W. Brown. 189,237; Feb. 19.
Fuses, Electric. Multiple Electric Products Company. 189,370; Feb. 19.
Hair waving and curling apparatus, Electrically-heated. T. J. Martin. 186,433; Feb. 19.
Lamps and tubes, Refilled electric. Serva Company. 189,820; Feb. 19.
Lamps, Electrical. R. H. Macy & Co. 188,598; Feb. 19.
Light-projecting devices, Electrically-operated reflectors for. Federal Manufacturing Company. 185,213; Feb. 19.
Light-projecting devices, Tilting reflectors for. Federal Manufacturing Company. 185,750; Feb. 19.
Radio detectors and receiving sets. National Airphone Corporation. 188,637; Feb. 19.
Radio loud speakers. Dictograph Products Corporation. 189,884; Feb. 19.
Radio receiving sets and parts. National Airphone Corporation. 188,636; Feb. 19.
Spotlights, Windshield. Shot-Lite Corporation of America. 189,821; Feb. 19.
Spotlights, Windshield. Shot-Lite Corporation of America. 189,869–70; Feb. 19.
Storage-battery cases. P. M. Marko. 189,634; Feb. 19.
Telephone silencers. Silaphone Corporation. 189,588; Feb. 19.

CLASS 22.

Balls, Golf. John Wanamaker New York. 189,539; Feb. 19.
Baseballs, fielder gloves, catcher mitts, etc. S. Potolsky. 173,440; Feb. 19.
Football score board. Grid-Graph Co. 190,157; Feb. 19.
Golf clubs, Sole plates for. Kroydon Company. 190,020; Feb. 19.

CLASS 23.

Hammers, hatchets, etc., Handled. Vaughan & Bushnell Manufacturing Company. 189,484; Feb. 19.
Knives, machetes, shears, and files. J. & J. Beal. 182,463; Feb. 19.
Motors, Marine. Hoefer Manufacturing Company. 188,205; Feb. 19.
Tires, Air compressors for pneumatic. P. Robin. 188,164; Feb. 19.

CLASS 25.

Locks, Automatic window. A. Mazzola. 190,350; Feb. 19.

CLASS 26.

Picture films and films used for stereoptican projections, Motion-. Educational Film Exchanges, Inc. 168,876; Feb. 19.

CLASS 28.

Pins, hatpins, buttonhooks, etc., Knitting and toilet. Stratton & Co. Limited. 172,130; Feb. 19.

CLASS 29.

Windshield cleaners. Haines Manufacturing Corporation. 188,115; Feb. 19.

CLASS 32.

Bedsteads, bedroom suites, seats or benches, box-spring mattresses, etc. Memphis Furniture Manufacturing Co. 181,839; Feb. 19.
Chairs, rockers, settees, etc., Reed. A. L. Randall Company. 187,837; Feb. 19.
Furniture, Built-in. Wm. Cameron & Co. 151,356; Feb. 19.
Furniture, Living-room. Gold Furniture Company. 167,173; Feb. 19.
Furniture, Wire. Royal Metal Manufacturing Co. 130,850; Feb. 19.
Mattresses. V. D. Mulkey. 188,214; Feb. 19.
Mirrors. W. D. Wright. 183,953; Feb. 19.
Pillows. Bella & Company. 188,467; Feb. 19.
Shade pulls. F. W. Maurer & Sons Co. 189,326; Feb. 19.
Shade tassels. F. W. Maurer & Sons Co. 189,322; Feb. 19.
Tables, Folding. Caldwell Manufacturing Company. 189,755; Feb. 19.

CLASS 33.

Glassware, fruit jars, lamp chimneys, etc., Table, plain, decorated, and fancy. C. W. McClure. 182,167; Feb. 19.

CLASS 34.

Headlight lenses, Devices adapted to be applied to. E. T. Horsey. 156,276; Feb. 19.
Oil burners. H. H. Helmick. 185,521; Feb. 19.

CLASS 35.

Belting, Leather. McLeod Leather and Belting Company. 188,688; Feb. 19.
Hose. Ingersoll-Rand Company. 180,932; Feb. 19.
Packings, Metallic. Durametallic Corporation. 189,768; Feb. 19.
Piston rings. Hastings Manufacturing Company. 189,502; Feb. 19.
Tire casings, Rubber. Mason Tire & Rubber Company. 188,075; Feb. 19.
Tires and inner tubes. Original Tire Company. 189,134; Feb. 19.
Tires and tubes. C. Kenyon Company. 187,821; Feb. 19.
Tires, Automobile. Brown & Sehler Company. 188,737; Feb. 19.
Tires, casings, inner tubes, and tire patches. McLean Tire & Rubber Company. 188,850; Feb. 19.
Tires, Vehicle. Fisk Rubber Company. 189,395; Feb. 19.

CLASS 36.

Phonographs and parts thereof. Orion Corporation. 189,066; Feb. 19.
Saxophones. Lyon & Healy, Inc. 184,139; Feb. 19.

CLASS 37.

Autographic registers. American Sales Book Company. 189,346; Feb. 19.
Moistening devices. Hermet G. m. b. H. 185,827; Feb. 19.
Paper, Writing and wrapping. Hollingsworth & Whitney Co. 190,161; Feb. 19.
Papers, Bond. Thomas F. Rybert & Company. 189,274; Feb. 19.
Papers having gold, bronze, or silver coating. McLaurin-Jones Co. 190,058; Feb. 19.
Papers, Safety. Union Lithograph Co. 184,483; Feb. 19.
Pens. C. Howard Hunt Pen Company. 190,055; Feb. 19.
Tablets and notebooks, Writing. Capital City Paper Co. 184,116; Feb. 19.

CLASS 38.

Booklets. Orlando Orange Grove Company. 186,566; Feb. 19.
Bulletin and pamphlets. Steuben Society of America. 186,396; Feb. 19.
Magazine, Monthly. MacFadden Publications, Inc. 183,929–30; Feb. 19.
Magazines, Monthly. MacFadden Publications, Inc. 183,798; Feb. 19.
Newspaper column. Star Company. 189,018; Feb. 19.
Newspaper columns. E. A. Moss. 177,239; Feb. 19.
Printed articles. G. C. Crapple. 189,241; Feb. 19.
Publication, Feature section of a. Textile Publishing Company. 189,991; Feb. 19.
Publication, Monthly. Barnes-Ross Company. 189,547–8; Feb. 19.
Publication, Periodical. Food Trade Publishing Company. 188,007; Feb. 19.
Publications. Monthly. Direct Coupon Corporation. 189,553; Feb. 19.
Telephone directories, calendars, show cards, etc., Completely-printed. Henderson Lithographing Co. 187,423; Feb. 19.
Tickets for instruction of automobile mechanics, Job. Chicago Automotive Institute. 187,088; Feb. 19.

CLASS 39.

Bloomers, Women's and children's. Western Garment Company. 189,996; Feb. 19.
Blouses, bloomers, skirts, etc. Kenilworth Manufacturing Co. 188,015; Feb. 19.
Booties, sacks, hoods, etc., Knit. Knitform, Inc. 173,834; Feb. 19.
Boots and shoes, Women's. Hamilton-Brown Shoe Co. 183,284; Feb. 19.
Boots, shoes, and slippers, Leather. International Shoe Company. 183,975; Feb. 19.
Brassières. Francburt, Inc. 189,396; Feb. 19.
Coats and trousers. Sigmund Eisner Company. 159,184; Feb. 19.
Coats, Sporting and sweater. Oak Knitting Company. 187,877; Feb. 19.
Coats, suits, and wraps. Hurowitz & Erdrich. 189,789; Feb. 19.
Coats, suits, dresses, hosiery, and waists, Ladies'. Mrs. J. A. Klinger. 175,200; Feb. 19.
Coats, Women's. Sam Samuels, Inc. 188,774; Feb. 19.
Corset brassières and brassières. Bay State Corset Company. 188,404; Feb. 19.
Corsets. Madame Clare Corset Shop. 189,352; Feb. 19.
Corsets, brassières, combination corsets and brassières, skirts, corset covers, etc. Nichols Underwear Corporation. 184,143; Feb. 19.
Corsets, corset waists, brassières, etc. American Lady Corset Co. 188,879; Feb. 19.
Dresses. J. N. Schaumann. 189,533; Feb. 19.
Dressing gowns, house coats, etc., Men's. Van Baalen Heilbrun & Co. 189,648; Feb. 19.
Hats and caps. Harry Meyers Hat Company. 188,689; Feb. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hats and caps. Nemo Hat Company. 188,695; Feb. 19.
Hats, Ladies'. Wm. Knowlton & Sons. 188,420; Feb. 19.
Hosiery. Franklin Maid Company. 189,666; Feb. 19.
Hosiery. L. E. Taubel. 190,138; Feb. 19.
Hosiery. Wilson Brothers. 189,827; Feb. 19.
Hosiery and underwear. Hibehman Bros. Company. 164,758; Feb. 19.
Hosiery, gloves, corsets, knitted scarfs, etc. Fabrique de Bonneterie fine de la Marne. 187,612; Feb. 19.
Hosiery, underwear, coats, pants, etc. A. L. Straus. 184,994; Feb. 19.
Knitted fabrics. Brilliant Knitting Mills, Inc. 189,098; Feb. 19.
Neckties, cravats, and scarfs. Frank & Meyer Neckwear Co. 189,668; Feb. 19.
Overalls and work shirts and blouses. La Crosse Clothing Company. 187,823; Feb. 19.
Pyjamas, nightshirts, nightrobes, sleeping garments, and underwear. Greenebaum, Weil & Michels. 169,591; Feb. 19.
Rompers and creepers. Manchester Romper Co. 190,114; Feb. 19.
Shirts. National Shirt Shops. 188,853; Feb. 19.
Shirts, Men's dress. Sovereign Shirt Co. 174,533; Feb. 19.
Shirts, Work. M. Fine & Sons. 179,786; Feb. 19.
Shoes and slippers. International Shoe Company. 184,339; Feb. 19.
Shoes, Leather. International Shoe Company. 184,462; Feb. 19.
Soles and heels. Hungarian Rubber Goods Factory Limited. 188,119; Feb. 19.
Suits, dresses, waists, cloaks, etc. W. H. Taylor, Inc. 187,649; Feb. 19.
Suits, overcoats, raincoats, topcoats, etc. J. D. Cook Company. 188,890; Feb. 19.
Suits, Work. L. Straus. 189,175; Feb. 19.
Sweaters. Cub Knitting Mills. 185,819; Feb. 19.
Sweaters, scarfs, bathing suits, dresses, and hats. Granada Knit Mills. 181,564; Feb. 19.
Underwear, corset covers, drawers, etc., Ladies' knitted and textile. Whitall Manufacturing Company. 187,556; Feb. 19.
Underwear, Women's. Samuel Simon & Son Inc. 189,143; Feb. 19.
Wraps and negligees and children's dresses, suits, etc., Women's. J. Fremont. 188,906; Feb. 19.

CLASS 40.

Barrettes, buttons, beads, braids, buttonhooks, etc. C. W. McClure. 182,166; Feb. 19.
Braids, tapes, bindings, needles, etc. Lansburgh & Bro., Inc. 173,893; Feb. 19.
Braids, tapes, bindings, needles, toilet pins, etc. Goldenberg's. 170,630; Feb. 19.
Elastic webbing. Ivory Garter Company. 190,162; Feb. 19.
Elastic webbing. Ivory Garter Company. 190,164; Feb. 19.
Elastics, Woven and braided. Narrow Fabrics Co. 187,437; Feb. 19.

CLASS 41.

Parasols and umbrellas. Follmer, Clogg & Co. 190,288; Feb. 19.

CLASS 42.

Bedspreads. C. J. O'Neill. 189,424; Feb. 19.
Cotton fabrics. H. D. Peake Company. 189,727–8; Feb. 19.
Cotton piece goods. Sayles Finishing Plants, Inc. 189,528; Feb. 19.
Cotton piece goods. S. Slater & Sons, Inc. 189,377; Feb. 19.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 189,487–8; Feb. 19.
Hair nets. S. Glenby's Sons Co. 189,500; Feb. 19.
Hair nets. Rieser Company. 151,064; Feb. 19.
Handkerchiefs. Fyffe Manufacturing Co. 189,048; Feb. 19.
Sheetings, sheets, pillowcases, and quilts. Androscoggin Mills. 156,819 Feb. 19.
Shirting, Cotton. J. A. Finn & Company. 189,847; Feb. 19.
Silk and cotton piece goods. Phillips-Jones Corporation. 188,971; Feb. 19.
Silk and cotton piece goods. Voss & Stern, Inc. 187,595; Feb. 19.
Silk, cotton, linen, etc., piece goods. Haas Brothers Fabrics Corporation. 189,975; Feb. 19.
Silk fabrics in the piece. Cheney Brothers. 189,707; Feb. 19.
Silk piece goods. Zollinger & Schroth, Inc. 189,876; Feb. 19.
Woolen and woolen-mixture goods in the piece. Frank & Meyer Neckwear Co. 189,667; Feb. 19.
Woolen and worsted piece goods. Wallach, Hoexter & Co. 189,874; Feb. 19.
Worsted and woolen textile fabrics. Holden-Leonard Company. 186,771; Feb. 19.

CLASS 45.

Beverage sold as a soft drink. Hurty-Peck & Company. 185,280; Feb. 19.
Beverages sold as soft drinks and sirups for making the same. Joseph Wittmann, Inc. 189,177; Feb. 19.
Ginger ale. Foote & Jenks. 186,835; Feb. 19.
Ginger ale, root beer, drinking water, etc. Pabst Corporation. 188,603; Feb. 19.
Juices, Fruit. Easton Orange Juice Company. 173,324; Feb. 19.

CLASS 46.

Barley. Quaker Oats Company. 189,731–2; Feb. 19.
Beans, peas, lentils, garbanzos (chick peas), Dried. J. W. Berengher. 179,770; Feb. 19.
Beef, Dried. Libby, McNeill & Libby. 167,305; Feb. 19.
Biscuit, crackers, cakes, and waffles. Naamloose Vennootschap Biscuitfabriek "De Lindeboom." 190,174; Feb. 19.
Biscuits, crackers, wafers, cookies, and cakes. National Biscuit Company. 182,434; Feb. 19.
Bran flakes. Uncle Sam Breakfast Food Company. 190,219; Feb. 19.
Bread. Corby Baking Company. 171,120; Feb. 19.
Bread. Dependable Bakers Associated. 189,354; Feb. 19.
Bread. T. Goodman. 184,724; Feb. 19.
Bread. Schulze Baking Company. 186,932; Feb. 19.
Bread and biscuits. Excello Health Bread Co. 167,806; Feb. 19.
Butter, eggs, and cheese. Jacob Dold Packing Co. 189,355; Feb. 19.
Can corn, Lima beans, fish roe, peas, etc. Dunn & Thompson. 190,229; Feb. 19.
Canned and preserved fish. Stavanger Preserving Co. a/s. 185,500; Feb. 19.
Canned corn. Iowa City Canning Co. 183,711; Feb. 19.
Canned crabs. N. Tatsukawa. 177,634; Feb. 19.
Canned fruits. McKeon Canning Company. 188,919; Feb. 19.
Canned fruits and vegetables. McKeon Canning Company. 188,920; Feb. 19.
Canned fruits, dried fruits, and canned fish. Hunt Brothers Packing Company. 186,477; Feb. 19
Canned fruits, fish, and vegetables. John Crampton & Co. 183,254; Feb. 19.
Canned goods, roasted coffee. Bement-Bea Co. 167,706; Feb. 19.
Canned ripe olives. V. R. Smith. 189,017; Feb. 19.
Canned shrimp. Davenport-Brooks Corporation. 189,451; Feb. 19.
Canned vegetables. G. D. Milligan Grocer Co. 189,725; Feb. 19.
Canned vegetables and fruits and preserved fruit. Geo. W. Wilson Co. 189,661; Feb. 19.
Canned vegetables and fruits, spices, food-flavoring extracts, coffee, etc. Portage Wholesale Grocery Company. 186,667; Feb. 19.
Candies. James Brothers. 187,865; Feb. 19.
Candy. Puritan Chocolate Company. 185,938; Feb. 19.
Candy and ice-cream bars. J. D. Hamilton. 186,127; Feb. 19.
Cereal breakfast food. George Urban Milling Company. 183,508; Feb. 19.
Coffee. Dwinell-Wright Company. 190,241–3; Feb. 19.
Coffee. L. H. Frohman & Co. 186,637; Feb. 19.
Corn flakes, rolled oats, canned sugar corn, etc. Clark-Lack Grocer Co. 187,606; Feb. 19.
Corn grits. Mountain City Mill Company. 176,754; Feb. 19.
Custard thickener. M. Kleinman. 183,585; Feb. 19.
Dates. G. H. Narbonne. 184,745; Feb. 19.
Fish, Fresh. Chesebro Brothers & Robbins, Inc. 165,622; Feb. 19.
Flavoring preparation. Francis H. Leggett & Company. 170,981; Feb. 19.
Flour, Self-rising. Holland-O'Neal Milling Co. 190,194; Feb. 19.
Flour, Wheat. African & Eastern Trading Co. 187,445; Feb. 19.
Flour, Wheat. Bowen-Oglesby Milling Co. 188,660; Feb. 19.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 182,803; Feb. 19.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 183,080; Feb. 19.
Food products, Alimentary paste. A. Zerega's Sons. 188,619–20; Feb. 19.
Fruit combinations and sirups. Campbell Company. 179,027–8; Feb. 19.
Fruits, honey, tomato sauce, etc., Deciduous. Rosella Preserving and Manufacturing Company. 137,290; Feb. 19.
Fudge, Chocolate. J. C. Kronenberg. 188,595; Feb. 19.
Liquid compound of sherry wine, etc. Cresca Company. 188,894; Feb. 19.
Macaroni, spaghetti, and alimentary pastes. Independent Macaroni Co. 189,410; Feb. 19.
Mackerel, Salted. Aktiebolaget Nordsjomakrill. 181,927; Feb. 19.
Meat and bone scraps. Swift and Company. 189,963; Feb. 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Meat cakes and sandwich filler. M. C. Wright. 188,782; Feb. 19.
Meat, meal, dried blood, and raw bone for feeding. Cudahy Packing Company. 186,109; Feb. 19.
Meat meal, meat scraps, blood meal, etc. E. Rauh & Sons Fertilizer Company. 184,760; Feb. 19.
Meats. Jacob Dold Packing Co. 184,127; Feb. 19.
Milk, Evaporated. Carnation Milk Products Company. 186,740; Feb. 19.
Milk, Evaporated. Carnation Milk Products Company. 186,869; Feb. 19.
Milk, Modifier for. Horlick's Food Co. 189,719; Feb. 19.
Milk, Powdered. Ayer & McKinney, a Copartnership. 167,548; Feb. 19.
Nuts. American Nut Company. 188,983; Feb. 19.
Nuts and raisins, Shelled. H. E. Debban. 188,989; Feb. 19.
Oatmeal. Quaker Oats Company. 189,730; Feb. 19.
Oil, Olive. J. F. Majatesta. 167,727; Feb. 19.
Paste products and matzoths, Alimentary. A. Goodman & Son, Inc. 182,903; Feb. 19.
Peaches and apples. Sandhill Fruit Growers Association. 182,617; Feb. 19.
Pepper, spices, ginger, mustard, etc. Atlantic Stores Corporation. 184,058; Feb. 19.
Pickles. Panzer Packing Company. 188,495; Feb. 19.
Pickles, Sweet. M. A. Gedney Company. 178,836; Feb. 19.
Popped corn, Buttered and salted. Cleveland Vending Machine Company. 189,034; Feb. 19.
Powder preparation for making puddings, cake fillings, etc., Dry. B. Heller & Company. 183,380; Feb. 19.
Puddings, cake filling, etc., Dry powder preparation. B. Heller & Company. 174,303; Feb. 19.
Salad dressing. Mi-Champ Company. 189,369; Feb. 19.
Sausage casings. S. Oppenheimer & Co. 189,945; Feb. 19.
Seasoning powder. Kabushiki Kaisha Suzuki Shoten. 170,298; Feb. 19.
Seasonings. Kabushiki Kaisha Suzuki Shoten. 170,296; Feb. 19.
Tea. Wason Bros., Inc. 187,362; Feb. 19.
Tomato paste. F. G. Favaloro Sons Inc. 189,191; Feb. 19.

CLASS 48.

Beverages and compounds for producing the same. J. H. MacDougall. 185,326; Feb. 19.

CLASS 50.

Printing plates. Hydrogravure Company. 169,484; Feb. 19.
Rubber, Composition of matter for metal coating. Vulcalyne Co. 181,875; Feb. 19.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Adrian O., jr., Detroit, Mich., assignor to Morgan & Wright. Method and apparatus for marking tire flaps. 1,484,455; Feb. 19.

Abbott, Donald B., Auburn, Me. Moccasin. 1,484,285; Feb. 19.

Abramovitz, Hyman L., Pittsburgh, Pa. Tap for fluid containers. 1,483,964; Feb. 19.

Acme White Lead and Color Works. (See Schumacher, John W., assignor.)

Addograph Company. (See Crawley, Mansfield C., assignor.)

Ahlers, John H., Pender, Nebr. Attachment for mixing chambers. 1,484,247; Feb. 19.

Ahlfors, John A., assignor to The Knight Manufacturing Company, Canton, Ohio. Tire-building machine. 1,484,456; Feb. 19.

Ainsworth, Chester D., Wollaston, assignor to S. B. Condit, jr., Brookline, Mass. Oil-insulated transformer. 1,483,922; Feb. 19.

Ainsworth, George R., Great Neck, N. Y. Fixture-hanging device. 1,484,001; Feb. 19.

Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)

Alber, George, assignor of one-half to H. W. Unkel, Columbus, Ohio. Wood-turning lathe. 1,484,286; Feb. 19.

Alden, Earle G., assignor to The Archlok Looseleaf Company, Denver, Colo. Loose-leaf binder. 1,483,862; Feb. 19.

Aldendorff, Fritz, Wilmersdorf, Berlin, Germany. Machine-switching telephone system. 1,484,348; Feb. 19.

Alford, Charlotte O., St. Pauls, N. C. Firedog or andiron. 1,484,368; Feb. 19.

Alford, Frederick G., Algona, Wash. Combined tie and rail fastener. 1,484,315; Feb. 19.

Allen, Victor S., assignor to Darco Corporation, Wilmington, Del. Cleaning solvent. 1,484,167; Feb. 19.

Allitt, Thomas B., Coventry, England. Clip for attaching articles of wearing apparel. 1,484,382; Feb. 19.

Allstott, James O., Pauls Valley, Okla. Haystacker. 1,484,457; Feb. 19.

Altorfer Bros. Company. (See Mammen, Lawrence W., assignor.)

American Blower Company. (See Still, Frederick R., assignor.)

American Blower Company. (See Watkins, James A., assignor.)

American Bumper Co. (See McGowan, William R., assignor.)

American Can Company. (See Graham, Charles W., assignor.)

American Cotton Oil Company, The. (See Murdock, Samuel B., assignor.)

American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)

American Moistening Company. (See Comins, F. B., and Armstrong, assignors.)

American Radiator Company. (See Mallory, Harry C., assignor.)

American Schaeffer & Budenberg Corporation. (See Hopkins, Frank H., assignor.)

American Steel Foundries. (See Ditchfield, Frank, assignor.)

American Telephone and Telegraph Company. (See Darrow, Leo H., assignor.)

American Telephone and Telegraph Company. (See Toomey, John F., assignor.)

Anderson, William M., New York Mills, Minn. Trouble lamp for automobiles. 1,484,458; Feb. 19.

Andreucci, Carlo, Rome, Italy. Flycatcher. 1,484,369; Feb. 19.

Angus, Arthur R., London, England. Railway safe-running device. 1,484,349; Feb. 19.

Appel, Daniel, Cleveland Heights, assignor to The Cleveland-Akron Bag Company, Cleveland, Ohio. Square-bottom paper bag. 1,484,388; Feb. 19.

Archlok Looseleaf Company, The. (See Alden, Earle G., assignor.)

Armstrong, Joseph. (See Comins, F. B., and Armstrong.)

Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Stone spreader. 1,484,459; Feb. 19.

Arnold, Charles A., assignor of one-half to H. A. Strassweg, Evansville, Ind. Car-door lock and seal. 1,483,928; Feb. 19.

Arrow Electric Company, The. (See Harrington, William H., assignor.)

Ash, Charles S., Detroit, Mich. Wheel hub. 1,483,863; Feb. 19.

Aspley, Walter B., assignor of one-half to J. E. Richardson, Glasgow, Ky. Rewinding machine for moving-picture films. 1,484,545; Feb. 19.

Auerbach, Zemach, New York, N. Y. Filing rack. 1,484,201; Feb. 19.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,484,051; Feb. 19.

Austin, David L., Honolulu, Hawaii, assignor to Theo. H. Davies & Co., Ltd., San Francisco, Calif. Conveyer. 1,484,248; Feb. 19.

Avrutik, Joseph, Yonkers, N. Y. Apparatus for separating liquids from solids. 1,484,002; Feb. 19.

Babcock & Wilcox Company. (See Witz, Henry, assignor.)

Babcock-Davis Corporation. (See Davis, William A., assignor.)

Bader, Walter, Spondon, near Derby, assignor to Dr. H. Dreyfus, London, England. Manufacture of alkyl compounds. 1,484,249; Feb. 19.

Bailey Brake Co. (See Bailey, John W., assignor.)

Bailey, Frank H., Cincinnati, Ohio. Production of light. 1,484,287; Feb. 19.

Bailey, John W., assignor to Bailey Brake Co., Seattle, Wash. Automobile brake. 1,484,316; Feb. 19.

Baker, Hartley O., assignor to The Baker Steam Motor Car and Manufacturing Co., Inc., Pueblo, Colo. Combination water column and water and fuel controller. 1,484,546; Feb. 19.

Baker, John, Paterson, N. J. Flexible connection. 1,484,202; Feb. 19.

Baker Steam Motor Car and Manufacturing Co., The. (See Baker, Hartley O., assignor.)

Bankers Supply Co., The. (See Chadwick, C. B., and MacPherson, assignors.)

Baur, Hugo J., Chicago, Ill., assignor to Johnson Fare Box Company. Fare register and detachable fare box. 1,484,052; Feb. 19.

Bayer, Frederick, Jacksonville, Fla. Pencil holder. 1,484,461; Feb. 19.

Bayley, William, Springfield, Ohio. Hanger insert. 1,484,053; Feb. 19.

Barbar, Angelo, Franklin, Pa. Sounding toy. 1,484,460; Feb. 19.

Barber-Colman Company. (See Peterson, Burt A., assignor.)

Barnes, James L., Fostoria, Ohio. Water wheel. 1,484,250; Feb. 19.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,484,203; Feb. 19.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,484,317; Feb. 19.

Barnhart, Andrew J., Placentia, Calif. Tractor cultivator. 1,484,318; Feb. 19.

Baron, Henri, Montreal, Quebec, Canada. Lady's bag. Des. 63,991; Feb. 19.

Bartlett, Francis A., Stamford, Conn. Composition substitute for wood, tile, or other building material. 1,484,370; Feb. 19.

Bastian-Morley Co. (See Birtch, Fred W., assignor.)

Beals, George C., Winchendon, assignor to Fibre Finishing Company, Boston, Mass. Brake band. 1,484,462; Feb. 19.

Beals, Harold S., assignor of one-half to W. H. Shepherd, Springfield, Mass. Skate. 1,484,054; Feb. 19.

Beatty, William F., Cincinnati, Ohio. Cabinet for brick or cake ice cream. 1,484,110; Feb. 19.

Beatty, William F., Cincinnati, Ohio. Water transport or ferry for automobiles and other self-propelled vehicles. 1,484,109; Feb. 19.

Beck, Arthur R. (See Brouillette, P. A., and Beck.)

Beck, Riley J. (See Brouillette, P. A., and Beck, assignors.)

Beckley-Ralston Co., The. (See Rector, Harlan S., assignor.)

Beede, Herman E., Arlington, Mass. Air preheater. 1,484,463; Feb. 19.

Bekken, Ole T., Bristol, S. Dak. Tool kit. 1,484,547; Feb. 19.

Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Steering mechanism. 1,484,319; Feb. 19.

Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Valve-operating mechanism for engines. 1,484,320; Feb. 19.

Benedict, Joseph A., Chicago, Ill. Receptacle. 1,484,288; Feb. 19.

Benkeser, Harry A. (See Carmel, Joseph, assignor.)

Bennett, George, Port Hope, Ontario, Canada. Cider mill. 1,484,003; Feb. 19.

Bennewitz, Karl, Charlottenburg, near Berlin, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Anerold barometer. 1,484,289; Feb. 19.

Benson, Ross L., Kansas City, Kans. Curtain fastener. 1,484,464; Feb. 19.

Berl, Ernst, Darmstadt, Germany. Production of products cellulose and alkylcellulose. 1,484,004; Feb. 19.

Bernstein, Leon. (See Stothart, J. R., and Bernstein.)

Bertas, Andrew. (See Bertas, Erik and A.)

Bertas, Erik and A., Minneapolis, Minn. Bucksaw. 1,484,168; Feb. 19.

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-molding machine. 1,483,965; Feb. 19.

Betz, Charles F., St. Louis, Mo. Method of and machine for making pastry cones. 1,484,205; Feb. 19.

Betz, Charles, St. Louis, Mo. Pastry-cone machine. 1,484,204; Feb. 19.

Beugler, Edwin F., assignor to E & B Holmes Machinery Co., Buffalo, N. Y. Fan. 1,484,055; Feb. 19.

Bickerstaff, William O., Smithville, W. Va. Blower attachment. 1,484,548; Feb. 19.

Billings, J. R., Iron and Steel Company. (See Billings, James R., assignor.)

Billings, James R., assignor to J. R. Billings Iron and Steel Company, Chicago, Ill. Treating molten cast iron or steel. 1,484,465; Feb. 19.

Birkholz, Joseph A., Orange, N. J. Building unit. 1,484,206; Feb. 19.

Birtch, Fred W., assignor to Bastian-Morley Co., Laporte, Ind. Hot-water-tank cover or jacket. 1,484,056; Feb. 19.

Birtch, Fred W., assignor to Bastian-Morley Co., Laporte, Ind. Valve or gas cock. 1,484,290; Feb. 19.

Bixby, Frederick L., T. R. Gibson, and E. W. Cheney, Reno, Nev. Nut lock. 1,483,924; Feb. 19.

Bixby, Matilee I., assignor to M. Lowenstein & Sons, Inc., New York, N. Y. Textile fabric. Des. 63,992; Feb. 19.

Blaine, John E., jr., Cincinnati, assignor to The Globe-Wernicke Company, Norwood, Ohio. Index tab. 1,484,611; Feb. 19.

Blake, James E., Company. (See Harmstone, John H., assignor.)

Blakeslee, George S., Chicago, Ill. Dish-holding basket. 1,484,291; Feb. 19.

Bock, Bertha M. (See Bock, William E., assignor.)

Bock, William E., Eagle Point Colony, assignor to B. M. Bock, Toledo, Ohio. Power-transmission mechanism and lubricating means therefor. 1,484,384; Feb. 19.

Boekel, Julius, Philadelphia, Pa. Weighing balance. 1,484,005; Feb. 19.

Booth, Louis C., Sheridan, Wyo. Sight base for firearms. 1,483,925; Feb. 19.

Borden, William A., and C. H. M. Roberts, U. S. Army. Bomb body. 1,483,864; Feb. 19.

Bowen, Adna G., Medina, N. Y. Means for lubricating incased universal joints. 1,483,865; Feb. 19.

Boyd, John S., assignor to John S. Boyd Co. Inc., Williamstown, Mass. Making ornamental pile fabrics. 1,484,293; Feb. 19.

Boyd, John S., assignor to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. 1,484,292; Feb. 19.

Boyd, John S., assignor to John S. Boyd Co. Inc., Williamstown, Mass. Thread-holding means for pile-cutting machines. 1,484,294; Feb. 19.

Boyd, John S., Co. (See Boyd, John S., assignor.)

Boydelatour, George, Canton, Ohio. Lock for differential gears. 1,484,166; Feb. 19.

Breckenridge, James F., Englewood, N. J., assignor of one-half to F. E. Brett, New York, N. Y. Poultry perch and lice trap. 1,484,169; Feb. 19.

Brennan, Francis H., Albany, N. Y. Windshield wiper. 1,484,251; Feb. 19.

Brett, Frank E. (See Breckenridge, James F., assignor.)

Brey, Victor A., Minneapolis, Minn. Combined container and match carrier. 1,484,006; Feb. 19.

Brink, Carl A., Cranston, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee. Clutch device. 1,484,467; Feb. 19.

Brogan, Byard F., Philadelphia, Pa. Finger ring. Des. 63,993; Feb. 19.

Brogden, Ricketts & Haworth Company. (See Ricketts, Homer C., assignor.)

Brooks, Walter R. (See Rauch, F. M., and Brooks.)

Bross, Ernest E., Detroit, Mich. Finger ring. Des. 63,994; Feb. 19.

Brothers, Edwin J., East Dulwich, London, assignor of one-half to J. H. Tucker & Company, Limited, Birmingham, England. Interlocking device for electric switch and plug. 1,484,468; Feb. 19.

Brouillette, Peter A., and A. R. Beck, assignors of one-third to R. J. Beck, Sioux City, Iowa. Combined paper and pencil holder. 1,484,321; Feb. 19.

Brown, Charles A., Gardner, assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass. Revolving chair. 1,484,371; Feb. 19.

Brown, Clement, Birmingham, Warwick, England. Carburetor for internal-combustion engines. 1,484,057; Feb. 19.

Brown, Hugh E., assignor to W. M. Welch Manufacturing Company, Chicago, Ill. Pressure-demonstrating apparatus. 1,484,111; Feb. 19.

Brown-Lipe-Chapin Co. (See Logue, Charles H., assignor.)

Brucelarie, Simon, West Hoboken, N. J. Clean-out device for pipes. 1,484,469; Feb. 19.

Bruns, Harold C., Lacombe, Alberta, Canada. Stump-pulling apparatus. 1,484,007; Feb. 19.

Buchanan, Hugh. (See Moir, D., and Buchanan.)

Buchanan, Leonard B., Woburn, assignor to The Chase-Shawmut Company, Boston, Mass. Renewable fuse. 1,484,058; Feb. 19.

Budd Wheel Company. (See Ledwinka, Joseph, assignor.)

Bugbee, Lucien W., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Making toric lenses. 1,483,866; Feb. 19.

Bull, William R., Springfield, Mass. Guide. 1,483,867; Feb. 19.

Bundy, Harry W., Detroit, Mich. Upset-tube fitting. 1,484,295; Feb. 19.

Burk, William D., assignor of one-half to J. Sass, Philadelphia, Pa. Toilet seat. 1,484,059; Feb. 19.

Burnam, Allen, assignor of one-half to C. M. Hocker, San Antonio, Tex. Air pump. 1,484,549; Feb. 19.

Butaud, Phelogan, West Columbia, Tex. Preheater. 1,484,296; Feb. 19.

Calder, John A., and W. H. Dayton, deceased, Torrington, Conn., by J. M. Dayton, administrator, Springfield, Mass., assignors to The Torrington Company, Torrington, Conn. Needle-latch-riveting machine. 1,484,478; Feb. 19.

Callahan, John M., assignor of one-third to P. P. Donovan and one-third to J. L. Donovan, Chicago, Ill. Gas-engine timer. 1,484,060; Feb. 19.

Campbell, Ernest P., Stockton, Calif. Adjustable cylinder reamer. 1,484,297; Feb. 19.

Candler, De Forest W., assignor to G. M. Holley, Detroit, Mich. Casting of iron in permanent iron molds. 1,484,297; Feb. 19.

Cannon, Roscoe S., Rock Hill, S. C. Electric stove. 1,484,170; Feb. 19.

Carmel, Joseph, assignor to H. A. Benkeser, New York, N. Y. Toy palette. 1,484,613; Feb. 19.

Carmichael, Robert E., Houston, Tex. Well cleaner. 1,484,601; Feb. 19.

Carson, Ashmead C., Columbia, S. C. Expansion plug for lamp sockets. 1,484,550; Feb. 19.

Carson, Ashmead C., Columbia, S. C. Glare shield for automobiles. 1,484,551; Feb. 19.

Carstens, Henry A., Ackley, Iowa. Cooling device. 1,484,171; Feb. 19.

Cary, James A. and J. C., Tupelo, Ark. Cotton chopper. 1,484,252; Feb. 19.

Cary, Jesse C. (See Cary, James A. and J. C.)

Casey Manufacturing Company. (See Wellington, Charles H., assignor.)

Chadwick, Clarence B., and J. R. MacPherson, assignors to The Bankers Supply Co., Chicago, Ill. Check-guaranty certificate. 1,483,926; Feb. 19.

Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Oil burner. 1,484,172; Feb. 19.

Chalk, George H., Philadelphia, Pa. Wire motion for looms. 1,484,008; Feb. 19.

Chapman, Clarence M., assignor to The Chapman Machine Company, Plymouth, Conn. Automatic screw machine. 1,484,604; Feb. 19.

Chapman, Clarence M., Terryville, assignor to The Chapman Machine Company, Plymouth, Conn. Stock-feeding mechanism. 1,484,602; Feb. 19.

Chapman, Clarence M., Terryville, assignor to The Chapman Machine Company, Plymouth, Conn. Turret mechanism. 1,484,603; Feb. 19.

Chapman Machine Company, The. (See Chapman, Clarence M., assignor.)

Chase-Shawmut Company, The. (See Buchanan, Leonard B., assignor.)

Chateauneuf, Frank, Lynn, Mass. Sole-positioning device for shoe-last jacks. 1,484,322; Feb. 19.

Cheney, Everett W. (See Bixby, F. L., Gibson, and Cheney.)

Chevalier, John F. (See Griswold, Albert A., assignor.)

Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)

Clark, Baylies C. (See Hansbrough, George A., assignor.)

Clark, James R., Lexington, Ky. Gate-operating mechanism. 1,483,927; Feb. 19.

Clarke, Ira M., assignor to The New Martinsville Glass Mfg. Co., New Martinsville, W. Va. Sectional jar. Des. 63,995; Feb. 19.

Clefton, Claud J., Owatonna, assignor to R. P. Clefton, St. Paul, Minn. Acetylene burner. 1,483,928; Feb. 19.

Clefton, Ruth P. (See Clefton, Claud J., assignor.)

Cleland, Chester C., Cleveland, Ohio. Power transmitter. 1,484,061; Feb. 19.

Cleveland-Akron Bag Company, The. (See Appel, Daniel, assignor.)

Cleveland, David P., assignor to Universal Paint Remover and Motor Cleaning Company, a trust estate, Dallas, Tex. Cleaning and paint-removing apparatus. 1,484,470; Feb. 19.

Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)

Cleveland Rock Drill Company, The. (See Nell, Gustave M., assignor.)

Clifford, Victor, assignor to Petroleum Safety Appliance Company, Tulsa, Okla. Vent for liquid containers. 1,483,868; Feb. 19.

Clifton, William E., and J. S. Ewart, Nottingham, assignors to Cliftophone Limited, London, England. Sound recording and reproducing instrument. 1,484,471; Feb. 19.

Cliftophone Limited. (See Clifton, W. E., and Ewart, assignors.)

Coates, Ray G., Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Mold and casting steel ingots. 1,484,112; Feb. 19.

Cohn, Samuel, assignor to Mantle Machinery & Patents Company, New York, N. Y. Machine for stretching and drying tubular fabrics. 1,484,552; Feb. 19.

Coleman, William C., Wichita, Kans. Centrifugal machine. 1,483,929; Feb. 19.

Collins, Harry R., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverizer mill. 1,484,298; Feb. 19.

Collins, Richard C., Elmhurst, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for removing dust. 1,483,966; Feb. 19.

Comins, Frank B., Newton, and J. Armstrong, Malden, assignors to American Moistening Company, Boston, Mass. Restriction valves. 1,484,253; Feb. 19.

Condit, Sears B., jr. (See Ainsworth, Chester D., assignor.)

Conklin, De Witt N., East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Invoice sheet. 1,483,869; Feb. 19.

Conner, Palmer A., Glendo, Wyo. Handle and fastener for can tops. 1,484,062; Feb. 19.

Consolidated Car-Heating Company. (See Oakley, George E., assignor.)

Corning, Henry W., Cleveland, Ohio. Hinge. 1,484,009; Feb. 19.

Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Applying apparatus. 1,483,967; Feb. 19.

Cowen, Miriam M., San Francisco, Calif. Combined case and rack for games. 1,484,472; Feb. 19.

Cowles, C., & Company. (See Gates, Louis W., assignor.)

Crawford, Earl A., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Article-carrying bag. 1,484,553; Feb. 19.

Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,484,113; Feb. 13.

Crimmel, Alvie C., Hartford City, Ind. Caster for furniture. 1,484,385; Feb. 19.

Crittenden, Horace G., Joslin, South Australia, Australia. Operating mechanism for the commutators of automobile engines. 1,483,870; Feb. 19.

Croning, Johannes, Hamburg, Germany. Cylinder lock. 1,484,473; Feb. 19.

Cross, Harry E., Rockton, Ill. Motor car. 1,484,474; Feb. 19.

Cross Metal Products Company. (See Webber, Harold S., assignor.)

Crouse, Emory, Wichita, Kans. Liquid-dispensing system. 1,484,010; Feb. 19.

Crown, William F., Chehalis, Wash. Automatic safety lock for air brakes. 1,484,475; Feb. 19.

Cummings, George C., East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Telegraph system. 1,484,386; Feb. 19.

Cummings, Martin L. (See Lagasse, J. N., and Cummings.)

Currie, Trenton B., Houlton, Me. Camp grill. 1,484,476; Feb. 19.

Curtiss, George E., assignor to Landers, Frary and Clark, New Britain, Conn. Coffeepot. Des. 63,996; Feb. 19.

Cusick, Charles M., Steubenville, Ohio. Valve packing. 1,484,350; Feb. 19.

Damm, Arvid G., Ronninge, Sweden. Apparatus for ciphering and deciphering code expressions. 1,484,477; Feb. 19.

Darco Corporation. (See Allien, Victor S., assignor.)

Darrow, Leo H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission equalization arrangement. 1,483,930; Feb. 19.

Davies, John B., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Core. 1,484,299; Feb. 19.

Davies, Theo. H., & Co. (See Austin, David L., assignor.)

Davis, Albert N., Providence, R. I. Plate for a wristband or similar article. Des. 63,997; Feb. 19.

Davis, Norris K., San Francisco, Calif. Treating fiber bearing material. 1,484,208; Feb. 19.

Davis, William A., Malden, Mass., assignor to Babcock-Davis Corporation, Boston, Mass. Elevator-gate mechanism. 1,483,871; Feb. 19.

Daylight Film Corporation. (See John, Robert, assignor.)

Dayton Engineering Laboratories Company. (See Hunt, John H., assignor.)

Dayton, James M., administrator. (See Calder, J. A., and Dayton.)

Dayton, William H. (See Calder, J. A., and Dayton.)

Dee, William T., Mecca, Ind. Punch. 1,484,114; Feb. 19.

Deer, A. J., Company. (See Hand, Ernest A., assignor.)

Delco-Light Company. (See Hunt, John H., assignor.)

Densmore, Albert A., Brookline, Mass. Power-transmission mechanism. 1,483,872; Feb. 19.

De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Dry cell. 1,484,173; Feb. 19.

Dessau, Morland M., London, England. Roadway, pavement, stairway, or the like and materials for the construction thereof. 1,484,011; Feb. 19.

Det Tekniske Forsøgsaktieselskab. (See Goldschmidt, Rudolf, assignor.)

Detroit Insulated Wire Company. (See Reissman, Paul, assignor.)

Dey, William H., Newark, N. J., assignor to United States Radium Corporation. Luminous device. 1,483,873; Feb. 19.

Dey, William H., Newark, N. J., assignor to United States Radium Corporation. Plate frame. 1,483,874; Feb. 19.

Diamond Drill Contracting Company. (See Stone, Frederick, assignor.)

Dickinson, Meriau H., Seattle, Wash., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Cableway. 1,484,387; Feb. 19.

Dickson, George E., Chicago, Ill. Device for use in issuing premium insurance. 1,484,063; Feb. 19.

Dluklage, August, East Orange, N. J. Anchoring device. 1,484,209; Feb. 19.

Dinklage, August, East Orange, N. J. Rail anchor. 1,484,210; Feb. 19.

Disbrow, Clarkson A. (See Wolhaupter, B., and Disbrow.)

Ditchfield, Frank, Montreal, Quebec, Canada, assignor to American Steel Foundries, Chicago, Ill. Brake-beam fulcrum. 1,484,323; Feb. 19.

Divo, John J., Brooklyn, N. Y. Device for indicating the relative movements of the earth, sun, and moon. 1,484,174; Feb. 19.

Dixon, H. L., Company. (See Milner, Edwin E., assignor.)

Dodge Brothers. (See Huff, Russell, assignor.)

Doering, Frederick W., St. Louis, Mo. Device for reshaping crown caps. 1,484,388; Feb. 19.

Doman, Albert E., Eibridge, N. Y., assignor to Owen-Dyneto Corporation, Syracuse, N. Y. Electrical power-transmission device. 1,484,479; Feb. 19.

Donaggio, Alfredo, Winfield, Long Island, N. Y. Scaffolding. 1,484,480; Feb. 19.

Donovan, James L., et al. (See Callaghan, John M., assignor.)

Donovan, Paul P., et al. (See Callaghan, John M., assignor.)

Dormann, Otto, Stettin, Germany. Production of cement and the like. 1,484,254; Feb. 19.

Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Continuous tunnel kiln. 1,484,118; Feb. 19.

Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Method of and apparatus for bluing porcelain. 1,484,117; Feb. 19.

Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Method of and apparatus for glazing and decorating. 1,484,116; Feb. 19.

Dreyfus, Dr. Henry. (See Bader, Walter, assignor.)

Dubbs, Carbon P., Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,484,445; Feb. 19.

Dumond, Francisque, and C. Galvin, Lyon, France. Hydroglider. 1,483,931; Feb. 19.

Dunbar, Milo H., Canton, Ohio. Battery connection. 1,484,481; Feb. 19.

Dunkelberger, Milton S., Dayton, Ohio. Toy railway track. 1,484,012; Feb. 19.

Dunn, William G., Clarinda, Iowa. Luggage carrier. 1,484,482; Feb. 19.

Durant Motors Incorporated. (See Sturt, Alfred T., assignor.)

E & B Holmes Machinery Co. (See Beugler, Edwin F., assignor.)

Ecker, Clarence W., Rockford, Ill. Milk-bottle cover. 1,484,483; Feb. 19.

Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)

Edwards, Wilbert J., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Hinge. 1,484,372; Feb. 19.

Eells, Albert F., Rochester, N. Y. Diaphragm pump. 1,484,115; Feb. 19.

Ehrhart, Raymond N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Co. Ejector apparatus. 1,484,013; Feb. 19.

Ek, Arvid, Portland, Me. Water closet bowl. Des. 63,998; Feb. 19.

Electric Heating Corporation. (See Macy, Barnett W., assignor.)

Electrical Industries Manufacturing Co. (See Leach, Henry G., assignor.)

Elevator Company of America. (See Schakel, J. D., and Rice, assignors.)

Elevator Company of America. (See Schakel, Jacob D., assignor.)

Elias, Michael A., 2d. (See Elias, Percy I. and M. A.)
Elias, Percy I. and M. A., 2d, New York, N. Y. Electric-light fixture. 1,484,300; Feb. 19.
Ellegard, Kay P., Hartford, Conn. Internal-combustion engine. 1,484,255; Feb. 19.
Ellis, Axel E. (See Ellis, Oscar A., assignor.)
Ellis, Oscar A., San Francisco, Calif. Dry-crushing mill. 1,483,933; Feb. 19.
Ellis, Oscar A., San Francisco, Calif., assignor to A. E. Ellis, Boston, Mass. Rock and ore crushing mill. 1,483,932; Feb. 19.
Elmer, Harry H., Syracuse, N. Y. Internal-combustion engine and operating the same. 1,484,554; Feb. 19.
Elmendorf, Armin, Chicago, Ill., assignor to Haskelite Manufacturing Corporation. Means of joining metal-sheathed boards arranged edge to edge. 1,484,175; Feb. 19.
Emerson, Edwin L., Braintree, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Electric drying apparatus. 1,484,324; Feb. 19.
Emerson, Victor L., Philadelphia, Pa. Conversion of hydrocarbon oils and similar substances. 1,484,014; Feb. 19.
Erbes, William O., Everett, Wash. Sound resonator. 1,484,119; Feb. 19.
Erickson, Carl B., and C. J. Witt, Chicago, Ill. Locking device for pockets. 1,484,120; Feb. 19.
Erickson, Charley, and R. Taylor, Minneapolis, Minn. Tee plate for golf courses. 1,484,064; Feb. 19.
Erikson, Leonard, Malden, Mass. Showcase reflector. 1,484,211; Feb. 19.
Ewart, John S. (See Clifton, W. E., and Ewart.)
Ezekiel, Abram, S. Lubin, J. Warshner, and W. S. Neil, San Francisco, Calif. Watch carrier. 1,484,121; Feb. 19.
Fairbairn Lawson Combe Barbour Limited. (See Ryan, John W., assignor.)
Falk, Hilbert L., New Orleans, La. Telephone system. 1,484,122; Feb. 19.
Farnham, Stephen H., Brooklyn, N. Y., and A. F. Poole, Kenilworth, Ill., assignors to Remington Accounting Machine Corporation, New York, N. Y. Calculating and recording machine and record sheet. 1,484,123; Feb. 19.
Faunce, William C. (See Sprowles, F. W., and Faunce.)
Fear, Ralph G., Oakland, Calif., assignor to Jacobson & Fear. Engine. 1,484,212; Feb. 19.
Feldmann, Fred H. (See Fowle, G. W., and Feldmann.)
Felizianetti, Narsete, San Leandro, Calif. Machine for peeling and cutting pears. 1,484,446; Feb. 19.
Fenton, James T., Salt Lake City, Utah. Continuous system for the treatment of coal. 1,484,257; Feb. 19.
Fenton, James T., Salt Lake City, Utah. Intermittent system for treatment of coal. 1,484,256; Feb. 19.
Fenton, James T., Salt Lake City, Utah. Treatment of coal. 1,484,258; Feb. 19.
Ferguson, Clayton C., Jersey City, N. J. Tank gauge. 1,483,968; Feb. 19.
Ferguson, Milford B., assignor of one-half to E. Haas, Brooklyn, N. Y. Wrapping machine. 1,484,015; Feb. 19.
Fibre Finishing Company. (See Beals, George C., assignor.)
Finch, Paul R., Des Moines, Iowa. Movement-controlling device. 1,484,213; Feb. 19.
Firstone, Marx. (See Klein, David, assignor.)
Firestone Tire and Rubber Company. (See Davies, John B., assignor.)
Firestone Tire and Rubber Company, The. (See Steele, Charles W., assignor.)
Firestone Tire and Rubber Company. (See Stevens, William C., assignor.)
Fisher, Alexander D., Toronto, Ontario, Canada. Confectionery. 1,484,016; Feb. 19.
Fitz-Empire Double Pivot Last Company. (See Whipple, Leland B., assignor.)
Flagg, Ernest, New York, N. Y. Constructing concrete walls. 1,484,484; Feb. 19.
Flater, Alfred, present administrator. (See Rauchwetter, Franz.)
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Pitcher or similar article. Des. 63,999; Feb. 19.
Flood, Samuel, Liverpool, England. Apparatus for treating plastic substances. 1,484,325; Feb. 19.
Flueso, Edythe, Allentown, Pa. Sprayer. 1,484,017; Feb. 19.
Flynn, Hobart. (See Parks, Glen, assignor.)
Foamite-Childs Corporation. (See Patterson, Duncan W., assignor.)
Folkers, Harm, Austinville, Iowa. Hayrack and wagon-box lifter. 1,484,389; Feb. 19.
Foster, Henry B., and J. G. Furstenberg, Omaha, Nebr. Rotary internal-combustion engine. 1,484,124; Feb. 19.
Fowle, George W., and F. F. Feldmann, San Jose, Calif. Exhaust box. 1,484,259; Feb. 19.
Fraser, George B., Wellington, Wash. Automatic motion recorder for automobiles. 1,484,125; Feb. 19.
Frear, Fred, Monett, Mo. Switchman's flag. 1,484,485; Feb. 19.
Freyn, Brassert & Company. (See Pilling, George P., assignor.)
Friedley Voshardt Co. (See Wellman, Lester R., assignor.)
Fuller-Lehigh Company. (See Collins, Harry R., assignor.)
Funk, Carlyle B., Chicago, Ill. Transmission control. 1,484,301; Feb. 19.
Furstenberg, Joseph G. (See Foster, H. B., and Furstenberg.)
G. & G. Fixture Co., The. (See Walker, Ernest A., assignor.)
G. & W. Electric Specialty Co. (See Gear, Harry B., assignor.)
Gadsby, John. (See Konshin, Alexis, assignor.)
Gallinowsky, Hugo, assignor to E. A. Heitkamp, St. Louis, Mo. Treating gypsum cement surfaces. 1,483,875; Feb. 19.
Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
Gallagher, Frederick T. (See O'Neill, W. P., and Gallagher.)
Galvin, Clément. (See Dumond, F., and Galvin.)
Games, William, Providence, R. I. Automobile headlight shield. 1,484,486; Feb. 19.
Gander, William S., Russell, Pa. Wagon-brake-operating means. 1,484,487; Feb. 19.
Gardner, Henry A., Washington, D. C. Obtaining products from chlorinated hydrocarbons. 1,484,018; Feb. 19.
Garrett, Clarence Y., Fountain Inn, S. C. Fire kindler. 1,484,302; Feb. 19.
Gartlan, Stephen L., assignor of fifty-five one-hundredths to A. E. Gooderham, Toronto, Ontario, Canada. Treating hydrocarbons. 1,484,612; Feb. 19.
Gaskins, Palemon H., Jacksonville, Fla. Circulating system for internal-combustion engines. 1,484,488; Feb. 19.
Gaspard, René H., Chicago, Ill. Valve actuator. 1,484,126; Feb. 19.
Gates, Louis W., assignor to C. Cowles & Company, New Haven, Conn. Separable fastener. 1,484,214; Feb. 19.
Gear, Harry B., assignor to G. & W. Electric Specialty Co., Chicago, Ill. Strain insulator. 1,484,447; Feb. 19.
Geib, William, assignor to International Silver Company, Meriden, Conn. Table mat or similar article. Des. 64,000; Feb. 19.
Geib, William, assignor to International Silver Company, Meriden, Conn. Plate or similar article. Des. 64,001; Feb. 19.
Genett, Louis J., assignor of one-half to J. M. Longyear, Jr., Marquette, Mich. Vehicle spring mount. 1,484,127; Feb. 19.
Ghione, John B., New York, N. Y. Snow-removal device. 1,484,555; Feb. 19.
Gibbs, Edmund D., Akron, Ohio, and T. E. Wiederseim, Philadelphia, Pa. Instruction chart for playing golf. 1,484,390; Feb. 19.
Gibbs, Harry D., San Francisco, Calif., by mesne assignments, dedicated to the People of the United States for their free use and enjoyment. Apparatus for sublimation. 1,484,260; Feb. 19.
Gibson, Edward T., Brooklyn, N. Y. Automobile signal. Des. 64,002; Feb. 19.
Gibson, Thomas R. (See Bixby, F. L., Gibson, and Cheney.)
Gillespie, Frank A. (See Meyer, C., and Meade, assignors.)
Givens, Mary A., San Francisco, Calif. Finger ring for handling paper sheets or the like. 1,484,489; Feb. 19.
Globe-Wernicke Company. (See Blaine, John E., jr., assignor.)
Godley, Charles E., Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich. Lamp. 1,483,934; Feb. 19.
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic step-by-step switch with magnetic brake. 1,483,876; Feb. 19.
Goldberg, Morris L., Brooklyn, N. Y. Sanitary bath brush. 1,484,215; Feb. 19.
Golden, Charles F., Denver, Ind. Drafting instrument. 1,483,935; Feb. 19.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,003; Feb. 19.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,004; Feb. 19.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,005; Feb. 19.
Goldschmidt, Rudolf, Berlin, Germany, assignor to Det Tekniske Forsøgsaktieselskab, Ordrup, Charlottenlund, Denmark. Mechanical hammer. 1,484,490; Feb. 19.
Gooderham, Albert E. (See Gartlan, Stephen L., assignor.)
Gould, Edwin J., Oakland, Calif., assignor of one-half to C. T. Henry, J. B. Millard, and J. T. Henry, York, Pa. Automatic depth-drilling machine. 1,484,065; Feb. 19.
Government of the United States. (See Hall, Andrew T., assignor.)
Gracey, Harvey H., Fort Worth, Tex. Fluid-lift pump. 1,483,877; Feb. 19.
Graham, Charles W., Allendale, N. J., assignor to American Can Company, New York, N. Y. Apparatus for cutting and handling can-end liners. 1,483,969; Feb. 19.
Graham, William E., assignor of one-half to A. N. Orphan, Gary, Ind. Mixing device. 1,484,326; Feb. 19.
Grant, Frank W. (See Holmes, G. E., and Grant.)

Grantland, John W., Cincinnati, Ohio. Lubricating device. 1,484,391; Feb. 19.
Graves, Randel, Pittsburgh, Pa. Heating device. 1,483,970; Feb. 19.
Grella, Larie, Brooklyn, N. Y. Vehicle fender. 1,484,351; Feb. 19.
Griesbach, William, Greenfield, Mass. Label holder. 1,484,261; Feb. 19.
Grindle, Aubrey J., Chicago, Ill., assignor to Grindle Fuel Equipment Company, Harvey, Ill. Furnace. 1,484,019; Feb. 19.
Grindle Fuel Equipment Company. (See Grindle, Aubrey J., assignor.)
Griscom Russell Company, The. (See Price, Joseph, assignor.)
Griswold, Albert A., Providence, R. I., assignor of one-half to J. F. Chevalier, Brookline, Mass. Flexible undereave. 1,484,020; Feb. 19.
Grodin, Joseph J., East Cleveland, Ohio. Cutting machine. 1,484,262; Feb. 19.
Grossman, Joseph, Wallington, N. J. Braking mechanism for roller conveyers. 1,483,971; Feb. 19.
Gundlach, Henry R., Baltimore, Md., assignor to The United States Asphalt Refining Company, New York, N. Y. Means for forming expansion joints in roadways. 1,484,303; Feb. 19.
Gutermann, Jacob J., assignor to Weller Manufacturing Company, Chicago, Ill. Elevator leg. 1,484,491; Feb. 19.
Haas, Edward. (See Ferguson, Milford B., assignor.)
Haimes, William S., Washington, D. C. Computing device. 1,484,176; Feb. 19.
Hale, Joshua B., assignor to Textile Engineering Company, Providence, R. I. Braiding machine. 1,484,128; Feb. 19.
Hall, Andrew T., Newport, R. I., assignor to the Government of the United States. Torpedo. 1,484,304; Feb. 19.
Hall, Mabie H., et al. (See Seabolt, Frank J., assignor.)
Haller, Fritz, Bernardsville, N. J. Antiskid device. 1,484,392; Feb. 19.
Hammond, John H., jr., Gloucester, Mass. Radiodynamic receiving system. 1,484,605; Feb. 19.
Hammond, William P., Maplewood, N. J. Rear-view mirror. 1,484,021; Feb. 19.
Hand, Ernest A., assignor to A. J. Deer Company, Incorporated, Hornell, N. Y. Slicing machine. 1,483,878; Feb. 19.
Hanford, George B., Bloomfield, N. J. Receptacle and lining therefor. 1,484,606; Feb. 19.
Hannah, Alexander G., Warren Point, N. J. Weft tension-holding device for looms. 1,483,879; Feb. 19.
Hansbrough, George A., assignor of one-half to B. C. Clark, San Francisco, Calif. Electric snap plug. 1,484,492; Feb. 19.
Hansen, Hans L., and A. H. Voss, Hemingford, Nebr. Potato loader. 1,484,022; Feb. 19.
Hanson, Harry M., Duluth, Minn. Shovel-heating device. 1,484,393; Feb. 19.
Hapeman, Lincoln S., Waterbury, Conn. Button toggle. 1,483,880; Feb. 19.
Hardy, James G., New York, N. Y. Table cover or article of similar nature. Des. 64,006; Feb. 19.
Hargot, René, assignor to H. Mishoulam, Chicago, Ill. Portable light. 1,484,493; Feb. 19.
Harkey, Ira B., New Orleans, La. Bottle. Des. 64,007; Feb. 19.
Harley-Mason, Vernon B., Cheam, England. Construction of internal-combustion-engine cylinders. 1,484,263; Feb. 19.
Harmstone, John H., assignor to James E. Blake Company, Attleboro, Mass. Hand mirror or similar article. Des. 64,008; Feb. 19.
Harrington, James B., Norfolk, Va. Statuette. Des. 64,009; Feb. 19.
Harrington, Norman T., Cleveland, Ohio. Hoisting mechanism. 1,483,936; Feb. 19.
Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Separable attachment plug. 1,484,494; Feb. 19.
Hart, Alfred V., executor. (See Megill, Edward L.)
Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Combined switch and fuse block. 1,484,448; Feb. 19.
Hart, Henry R., Montclair, N. J. Football helmet. 1,483,881; Feb. 19.
Hart Manufacturing Company, The. (See Hart, Gerald W., assignor.)
Hartford, Edward V., Inc. (See Waterman, Arthur, assignor.)
Hartley Clock Company. (See Hartley, John S., assignor.)
Hartley, John S., Lynn, assignor to Hartley Clock Company, Boston, Mass. Clock case. Des. 64,010; Feb. 19.
Harvey, William F., East Patchogue, N. Y. Shingle. 1,483,882; Feb. 19.
Haskelite Manufacturing Corporation. (See Elmendorf, Armin, assignor.)
Hatherley, William L., San Bernardino, Calif. Lifting hook. 1,484,495; Feb. 19.
Haussler, Ludwig, Plauen, Germany, assignor to Robert Reiner Incorporated, Weehawken, N. J. Automatic bobbin-winding machine. 1,483,937; Feb. 19.
Haydock, James K., Danville, Va. Automatic loom stop. 1,484,496; Feb. 19.
Hayter, Willis, assignor of one-half to A. E. Penney, Carbonear, Newfoundland. Pipe cutter. 1,484,023; Feb. 19.
Hedman, Carl, Spokane, Wash. Door. 1,484,024; Feb. 19.
Heerwagen, Paul M., Fayetteville, Ark. Flexible relief decoration. 1,484,264; Feb. 19.
Heil Co., The. (See Heil, Julius P., assignor.)
Heil, Julius P., assignor to The Heil Co., Milwaukee, Wis. Dumping body for vehicles. 1,484,327; Feb. 19.
Heimbach, Albert H., St. Paul, Minn. Combined ventilating flue and chimney. 1,484,328; Feb. 19.
Heinrichs, Berg, Chicago, Ill., assignor to Mid-West Box Company, Anderson, Ind. Machine for making lamp wrappers and the like. 1,484,066; Feb. 19.
Heisey, A. H., & Company. (See Heisey, Edgar W., assignor.)
Heisey, Edgar W., assignor to A. H. Heisey & Company, Newark, Ohio. Tumbler. Des. 64,011; Feb. 19.
Heitkamp, Eugene A. (See Gallinowsky, Hugo, assignor.)
Hekking, Martin J., Brooklyn, N. Y. Flanged pipe or hose connection. 1,484,216; Feb. 19.
Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric sewing machine. 1,484,217; Feb. 19.
Henry, Charles T., et al. (See Gould, Edwin J., assignor.)
Henry, Joseph T., et al. (See Gould, Edwin J., assignor.)
Hermann, Albert, Madison, Wis., and C. A. Menzel, Chicago, Ill., dedicated, by mesne assignments, to the People of the United States of America. Hygrometer. 1,484,129; Feb. 19.
Heywood-Wakefield Company. (See Brown, Charles A., assignor.)
Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)
Hicks, Norman W., Malta, Mont. Road scraper. 1,484,497; Feb. 19.
Hildebrandt, Frank P., Saugerties, N. Y. Cutting and coiling crêpe paper. 1,484,498; Feb. 19.
Hillhouse, John T. E., New York, N. Y. Automatic control of internal-combustion engines. 1,483,883; Feb. 19.
Hilsee, Charles M., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Combined typewriting and computing machine. 1,484,218; Feb. 19.
Hineline, Edson S., Apponaug, R. I., assignor to Hineline Engineering Company. Stop motion for textile machines. 1,484,329; Feb. 19.
Hineline Engineering Company. (See Hineline, Edson S., assignor.)
Hird, John B., and J. B., jr., Seattle, Wash., assignors to Ideal Machinery Company. Hydraulic jack. 1,484,265; Feb. 19.
Hird, John B., jr. (See Hird, John B., and J. B., jr.)
Hirst, James, Melrose, Mass. Tap wrench and diestock. 1,484,067; Feb. 19.
Hitchcock, Forrest L., assignor to The Marietta Manufacturing Company, Indianapolis, Ind. Smoothing machine for glassware. 1,483,884; Feb. 19.
Hochman, Jacob, assignor to I. Seeherman, Wilkes-Barre, Pa. Crate. 1,484,499; Feb. 19.
Hocker, C. M. (See Burnam, Allen, assignor.)
Hoen, Carl O., St. Paul, Minn. Electrolyte. 1,483,885; Feb. 19.
Hofer, Michael, Dean Lake, Minn. Grading machine. 1,484,025; Feb. 19.
Holden, Joseph B., Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,484,219; Feb. 19.
Holley, George M. (See Candler, De Forest W., assignor.)
Holmes, George E., and F. W. Grant, Dover, N. H. Measuring ice-cream disher. 1,483,938; Feb. 19.
Holmstrom, Carl E., Seattle, Wash. Wheel puller. 1,484,130; Feb. 19.
Holt, William H., Providence, R. I. Snap fastener. 1,484,131; Feb. 19.
Holtzbauer, Mathias A., Belmond, Iowa. Clutch-pedal mechanism for automobiles. 1,484,266; Feb. 19.
Hook, Charles H., and A. W. Miller, Pittsburgh, Pa.; said Miller assignor to said Hook. Boiler. 1,484,330; Feb. 19.
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,483,972; Feb. 19.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,483,973; Feb. 19.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,483,974; Feb. 19.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,483,975; Feb. 19.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,483,976; Feb. 19.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,483,977; Feb. 19.
Hope, John, jr., Providence, R. I. Doorlock. 1,484,500; Feb. 19.

Hopkins, Frank H., Somerville, Mass., assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Pressure gauge. 1,484,068; Feb. 19.

Hopkins, Warren B., Brookline, Mass. Grease container and gun therefor. 1,484,231; Feb. 19.

Horrocks Desk Company. (See Simmons, George P., assignor.)

Hoy, Clarence A., assignor to Peerless Husker Company, Buffalo, N. Y. Conveyer for the butt removers of corn huskers, etc. 1,484,273; Feb. 19.

Hudson, David W., Green Bay, Wis. Interfolding machine. 1,484,409; Feb. 19.

Huff, Russell, assignor to Dodge Brothers, Detroit, Mich. Transmission lock. 1,483,886; Feb. 19.

Hull, Charles H. (See Hull, William W. and C. H.

Hull, William W. and C. H., Denver, Colo. Engine cover. 1,484,267; Feb. 19.

Hulten, Charles J., assignor of one-half to O. S. Orrick, Oakland, Calif. Can-topping machine. 1,484,449; Feb. 19.

Hunt, John H., assignor, by mesne assignments, to Delco-Light Company, Dayton, Ohio. Ignition system. 1,484,608; Feb. 19.

Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Lubricating system. 1,484,607; Feb. 19.

Huntley, Ernest R., assignor, by mesne assignments, to Industrial Research Corporation, Toledo, Ohio. Odometer. 1,484,501; Feb. 19.

Huntley, Henry F. (See McClure, H. A., and Huntley.)

Huntoon, Frank M. (See Reichel, J., and Huntoon.)

Huyck, F. C., & Sons. (See Wilson, E. J., and Bees, assignors.)

Ideal Machinery Company. (See Hird, John B. and J. B., jr., assignors.)

Ihamuotila, K. Richard, Helsingfors, Finland. Multiphase translating device. 1,484,220; Feb. 19.

Ilgen, Grover F. (See Pauly, R. C., and Ilgen.)

Illig, John H., Buffalo, N. Y. Wrench. 1,484,374; Feb. 19.

Industrial Research Corporation. (See Huntley, Earnest R., assignor.)

Insley Manufacturing Company. (See Insley, W. H., and Rasmussen, assignors.)

Insley, William H., and A. C. Rasmussen, assignors to Insley Manufacturing Company, Indianapolis, Ind. Concrete-handling apparatus. 1,483,887; Feb. 19.

International Motor Company. (See Masury, Alfred F., assignor.)

International Precipitation Company. (See Welch, Harry V., assignor.)

International Silver Company. (See Geib, William, assignor.)

Israel, Floyd E., Le Roy, Kans. Safety clutch. 1,484,221; Feb. 19.

Ittig, George P., assignor to Albert Pick & Company, Bridgeport, Conn. Spoon or similar article. Des. 64,012; Feb. 19.

Izard, Henry, Mobile, Ala. Auger, bit, or drill. 1,484,352; Feb. 19.

Jacobs, Milton, Poplar Bluff, Mo. Fountain brush. 1,484,026; Feb. 19.

Jacobs, Milton, Poplar Bluff, Mo. Spiral fountain brush. 1,484,027; Feb. 19.

Jacobson & Fear. (See Fear, Ralph G., assignor.)

Jaeger, Anthony C., St. Louis, Mo. Urinal flush. 1,483,939; Feb. 19.

Jaeger, Gebhard, Columbus, Ohio. Concrete-mixing machine. 1,484,028; Feb. 19.

James, Henry M. L., Richmond, Va. Doorknob alarm. 1,484,502; Feb. 19.

Jaques, Fernando O., jr., Providence, R. I. Tool holder. 1,484,332; Feb. 19.

Järve, Paul A., Krylbo, Sweden. Mail-marking machine. 1,484,375; Feb. 19.

Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)

Jenkins, Alexander F., Baltimore, Md. Pressure-translating device. 1,484,394; Feb. 19.

Jenkins, Alexander F., Baltimore, Md. Radiator trap. 1,484,395; Feb. 19.

Jensen, Ropert P., Seattle, Wash. Fireplace heater. 1,484,305; Feb. 19.

Jewett, Charles J. (See Williams, L. M., and Jewett.)

John, Robert, New York, N. Y., assignor to Daylight Film Corporation. Multiple-step process of photographic reproduction. 1,484,029; Feb. 19.

Johnson, Alfred. (See Plessman, John J., assignor.)

Johnson Fare Box Company. (See Baur, Hugo J., assignor.)

Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Substation circuits. 1,484,397; Feb. 19.

Johnson, Kenneth S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,484,396; Feb. 19.

Johnson, Leonard T., Jersey City, N. J. Weighing mechanism. 1,483,868; Feb. 19.

Jonas, Jacob F., Bellevue, Ky., assignor to The Krippendorf-Dittmann Company, Cincinnati, Ohio. Shoe last. 1,484,509; Feb. 19.

Jones, Clayton M., Jamestown, N. Y. Wrench. 1,484,132; Feb. 19.

Jones, Lloyd, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Billet manipulator. 1,484,503; Feb. 19.

Jones, Oscar E., Marysville, Calif. Safety fender for automobiles. 1,484,333; Feb. 19.

Jones, Randall H., Indianapolis, Ind. Ring. Des. 64,013; Feb. 19.

Jones, Randall H., Indianapolis, Ind. Ring. Des 64,014; Feb. 19.

Jorgensen, Hans G., Erie, Pa. Antirattler for automobile hoods. 1,483,940; Feb. 19.

Kahl, Albert P., Detroit, Mich. Valve-truing machine. 1,484,133; Feb. 19.

Karger, David, Milwaukee, Wis. Spat. Des. 64,015; Feb. 19.

Karr, Albert H., Kansas City, Mo. Inlaying machine. 1,483,889; Feb. 19.

Kasson, Mahlon O., Chicago, Ill. Carpet-strip anchorage. 1,483,941; Feb. 19.

Keckler, Charles W., Newark, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Telephone system. 1,484,134; Feb. 19.

Keenan, Patrick J., Chicago, Ill. Furnace-door frame. 1,483,978; Feb. 19.

Keil, Morris, New Orleans, La. Film and film support for motion-picture machines. 1,483,942; Feb. 19.

Keller, George W., Portsmouth, Ohio. Blow-out valve. 1,483,943; Feb. 19.

Kellerman, James M., Los Angeles, Calif. Underreamer. 1,483,944; Feb. 19.

Kelley, Oscar A., Omaha, Nebr. End gate for dumping wagons. 1,483,890; Feb. 19.

Kellner, William S., Baltimore, Md. Advertising novelty. 1,484,177; Feb. 19.

Kellogg, Hosford D., Haverford, Pa. Radiator. Des. 64,016; Feb. 19.

Kellogg Switchboard and Supply Company. (See Schoenwolf, Fred, assignor.)

Kemp, Leslie C., London, England. Means for regulating turboblowers and other apparatus for delivering fluid under pressure or suction. 1,484,504; Feb. 19.

Kennedy, Edward, New York, N. Y. Pipe fitting. 1,483,891; Feb. 19.

Kenyon, C., Company. (See Mitchell, Harold D., assignor.)

Kerber, Benjamin, Baltimore, Md. Sheet-metal building structure. 1,484,398; Feb. 19.

Kerner, Theodore, Milwaukee, Wis. Surfacing walls. 1,484,334; Feb. 19.

Kerrigan, William P., Astoria, N. Y. Spark plug. 1,484,335; Feb. 19.

Kewley, Arden. (See Walker, William J., assignor.)

Kidwell, Ira E., Pontiac, Mich. Honing device for bores of internal-combustion engines. 1,484,353; Feb. 19.

Kiefer, Karl, Cincinnati, Ohio. Vacuum trap. 1,484,505; Feb. 19.

Kightlinger, Walter R., Parsons, Kans. Cleat remover. 1,484,222; Feb. 19.

Killian, Pius F., Owensboro, Ky. Acetylene generator. 1,484,506; Feb. 19.

Kimball System, Inc., The. (See Quinn, James F., assignor.)

Kinney, Justus R., Allston, Mass. Strainer. 1,483,892; Feb. 19.

Kipp, Leonard, assignor to Waterbury Iron Works, Inc., Waterbury, Conn. Coke-handling car. 1,483,893; Feb. 19.

Kirk, William B. (See Sansom, Ray, assignor.)

Kitchen, John G. A., Lancaster, England. Means for controlling motion in fluid-pressure apparatus. 1,484,030; Feb. 19.

Kiwul, Charles, New York, N. Y. Motion-picture machine. 1,483,894; Feb. 19.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Column-clamping mechanism. 1,484,450; Feb. 19.

Klein, David, New York, assignor to M. Finstone, Brooklyn, N. Y. Display stand or similar article. Des. 64,017; Feb. 19.

Kleinsmith, Frederick, Indianapolis, Ind. Operating means for automobile door latches. 1,484,031; Feb. 19.

Kleuser, Lawrence P., Greenville, Tex. Electric time switch. 1,484,135; Feb. 19.

Knight, Charles D., et al. (See Seabolt, Frank J., assignor.)

Knight Manufacturing Company, The. (See Ahlfors, John A., assignor.)

Koch, Charles G., Newark, N. J. Radiator-cap ornament. Des. 64,018; Feb. 19.

Koehn, Otto C. B., Williamsburg, Iowa. Running board for automobiles. 1,483,945; Feb. 19.

Koehring Company. (See Lichtenberg, Erich H., assignor.)

Kohn, Leo M., Philadelphia, Pa. Folding machine. 1,484,507; Feb. 19.

Kohnle, Frederick, assignor to The Monarch Marking System Company, Dayton, Ohio. Tag-marking machine. 1,484,136; Feb. 19.

Koushin, Alexis, Yokohama, assignor of one-half to J. Gadsby, Tokyo, Japan. Windproof match box. 1,484,032; Feb. 19.

Kranebeel, John V., Buffalo, N. Y. Water-power motor. 1,483,895; Feb. 19.

Krippendorf-Dittmann Company. (See Jonas, Jacob F., assignor.)

Kroha, Francis J., Danbury, Conn. Casting-tackle belt. 1,484,399; Feb. 19.

Krohn, Dewey S., Chicago, Ill. Spindle-body bolt and mounting therefor. 1,484,033; Feb. 19.

Kunsler, Charles J. (See Robb, Clyde S., assignor.)

La Bolteaux, Eugene M., Washington, D. C. Sorting machine. 1,484,187; Feb. 19.

Lafferty, Herbert D. (See Von Hambach, Ernest, assignor.)

Lagasse, Joseph N., and M. L. Cummings, Hyner, Pa. Antislipping means for shoes. 1,484,178; Feb. 19.

Landers, Frary and Clark. (See Curtiss, George E., assignor.)

Langhammer, Frank L., assignor to The Warner Brothers Company, Bridgeport, Conn. Hose supporter. 1,483,896; Feb. 19.

Lauserotti-Spina, Ettore, London, England. Internal-combustion engine. 1,484,376; Feb. 19.

Larson, Lewis E., Fargo, N. Dak., assignor to Sure Edge Stropper Company, Minneapolis, Minn. Razor-blade holder. 1,483,897; Feb. 19.

La Societe Anonyme de Produits Chimiques, Etablissements Maletra, Siege Social. (See Trevoux, Laurent E. M., assignor.)

Lasserre, Francis A., Grosse Tete, La. Key-ring holder. 1,484,508; Feb. 19.

Latham, John H., Marshall, Mo. Combined snap and buckle for harness. 1,484,557; Feb. 19.

Leach, Henry G., Brooklyn, assignor to Electrical Industries Manufacturing Co., New York, N. Y. Microphone transmitter. 1,484,509; Feb. 19.

Leadising Company. (See MacFarland, Helon B., assignor.)

Leaver, Albert E., Chicago, Ill. Light diffuser. 1,484,138; Feb. 19.

Ledwinka, Joseph, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Making pressed-steel wheels. 1,484,223; Feb. 19.

Lenig, Charles I., Danville, Pa. Dust and cinder trap. 1,484,224; Feb. 19.

Lewers, Robert J., New York, N. Y. Moth-ball holder. 1,484,510; Feb. 19.

Liberty Machine Tool Co., The. (See McCann, Alfred R., assignor.)

Lichtenberg, Erich H., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Machine for distributing concrete. Re15,768; Feb. 19.

Lichter, Adolph H., assignor to The Willys-Overland Company, Toledo, Ohio. Making seat covers. 1,484,336; Feb. 19.

Lidgerwood Manufacturing Company. (See Dickinson, Merian H., assignor.)

Liedtke, Louis C. (See Rispel, A., and Liedtke.)

Lieske, Frank J., Detroit, Mich. Lamp-shade support. 1,484,268; Feb. 19.

Lightburn, Robert W., Gans, Pa. Safety device. 1,484,511; Feb. 19.

Lightfoot, Lee L., Eau Claire, Wis. Device for cleaning sinks. 1,484,512; Feb. 19.

Ligot, Raymond R., Brussels, Belgium, assignor of one-half to J. Puleo, New York, N. Y. Acetylene generator. 1,483,898; Feb. 19.

Linton, Ernest O., Indiana Harbor, Ind., assignor to Linton Gasoline Process Company, Chicago, Ill. Continuous method of cracking hydrocarbon oils. 1,484,513; Feb. 19.

Linton Gasoline Process Company. (See Linton, Ernest O., assignor.)

Liverance, Frank E., jr. (See Plank, J. Raymond, assignor.)

Ljungström, Fredrik, Brevik, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Turbine plant provided with toothed gearing. 1,484,034; Feb. 19.

Lloyd, Henry G., Surbiton, England. Floor or paving for tennis courts and other purposes. 1,484,514; Feb. 19.

Logue, Charles H., assignor to Brown-Lipe-Chapin Co., Syracuse, N. Y. Intermeshing gear and pinion and generating the same. 1,483,899; Feb. 19.

Longstreth, Bevis, Kansas City, Mo. Salt box or the like. 1,484,139; Feb. 19.

Longyear, John M., jr. (See Genett, Louis J., assignor.)

Lounsbury, Edwin D., White Plains, and O. Zimmer, Brooklyn, N. Y. Making color plates for use in lithography, photoengraving, etc. 1,484,400; Feb. 19.

Lowenstein, M., & Sons, Inc. (See Bixby, Matilee I., assignor.)

Lozano, Manuel. (See Schlueter, F. J., and Lozano.)

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 64,019; Feb. 19.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 64,020; Feb. 19.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 64,021; Feb. 19.

Lubin, Samuel. (See Ezekiel, A., Lubin, Warshner, and Nell.)

Ludlow, George M., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Indicator line for cylindrical chart scales. 1,484,401; Feb. 19.

Lucey, Michael, New York, N. Y. Collapsible cot bed. 1,483,979; Feb. 19.

Lund, Clinton O., Yankton, S. Dak. Container for frozen confections. 1,484,515; Feb. 19.

Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,483,900; Feb. 19.

Lundin, Carl, Pittsburgh, Pa. Producing gas. 1,484,225; Feb. 19.

Lyon, Nikolaus. (See Tauern, O. D., and Lyon.)

MacFarland, Helon B., assignor to Leadising Company, Chicago, Ill. Brake cylinder. 1,484,516; Feb. 19.

MacKenzie, William A., Long Beach, Calif. Self-sealing pole for storage batteries. 1,484,306; Feb. 19.

MacPherson, James R. (See Chadwick, C. B., and MacPherson.)

Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Liquid heater of the electrically-controlled type. 1,484,517; Feb. 19.

Majestic Electric Development Company. (See Shoenberg, Milton H., assignor.)

Mallory, Harry C., Bellport, N. Y. Thermostatic valve. 1,483,902; Feb. 19.

Mallory, Harry C., Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Expansible collapsible element. 1,484,140; Feb. 19.

Mallory, Harry C., Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Expansible collapsible element. 1,484,141; Feb. 19.

Mammen, Lawrence W., Chicago, assignor, by mesne assignments, to Altorfer Bros. Company, East Peoria, Ill. Driving mechanism for laundry machines. 1,484,142; Feb. 19.

Mantle Machinery & Patents Company. (See Cohn, Samuel, assignor.)

Manuel, Augustus, Alameda, Calif. Automobile theft preventive. 1,484,181; Feb. 19.

Margetson, Oliver, London, England. Cylinder construction of internal-combustion engines. 1,484,226; Feb. 19.

Margus, Julic, Berkeley, Calif. Fish toy. 1,484,182; Feb. 19.

Marietta Manufacturing Company, The. (See Hitchcock, Forrest L., assignor.)

Marley, Ernest L., Brighton, England. Signaling device. 1,484,143; Feb. 19.

Marlin Firearms Corporation, The. (See Rockwell, Hugh M., assignor.)

Marsh, George W., Oakland, Calif. Fuel-consumption indicator and cylinder primer. 1,484,144; Feb. 19.

Martin, Donald M., Winthrop, Mass. Scaffold bracket. 1,484,227; Feb. 19.

Martin, Harold T., assignor to Western Electric Company, Incorporated, New York, N. Y. Fastening for telephone key bases. 1,484,402; Feb. 19.

Mas, George N., Lynchburg, Va. Bottle. Des. 64,022; Feb. 19.

Mason, Richard C., Tulsa, Okla. Well-measuring apparatus. 1,484,036; Feb. 19.

Massey, Frank L., Watertown, N. Y. Governor. 1,484,145; Feb. 19.

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Mounting for steering posts and the like. 1,483,903; Feb. 19.

Mast, William E., Kansas City, Mo. Metal structural member. 1,484,070; Feb. 19.

Mastromarino, Nicola, Boston, Mass. Washing machine. 1,484,183; Feb. 19.

Matteson, Juan B., Jefferson, Iowa. Wheel. 1,484,228; Feb. 19.

Mattson, Jacob, Duluth, Minn. Grain door. 1,484,184; Feb. 19.

May, Ernest M. (See May, Herman N. and E. M.

May, Herman N. and E. M., Mineral Point, Wis. Sliding door. 1,483,946; Feb. 19.

Mayer, Emil, Charlottenburg, Germany. Method and arrangement for producing nondamped oscillations. 1,484,269; Feb. 19.

Mazzanovich, Anton, Los Angeles, Calif. Drop clamp. 1,484,307; Feb. 19.

McAllister, John E. (See Patton, J. F., and McAllister.)

McCann, Alfred R., assignor to The Liberty Machine Tool Co., Hamilton, Ohio. Variable-speed drive. 1,483,901; Feb. 19.

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,483,980; Feb. 19.

McClure, Harry A., and H. F. Huntley, assignors to Washington Automatic Doughnut Machine Company, Seattle, Wash. Doughnut machine. 1,484,179; Feb. 19.

McElrath, William W., jr., East Radford, Va., assignor to Turbo Motor Company, Trenton, N. J. Internal-combustion engine. Re15,769; Feb. 19.

McGowen, William R., assignor to American Bumper Co., Chicago, Ill. Automobile bumper. 1,484,035; Feb. 19.

McKiernan-Terry Drill Company. (See Riker, Malcolm D., assignor.)

McLean, David W., Los Angeles, Calif. Necktie holder. 1,484,354; Feb. 19.

McNary, Lawrence T., Cranston, assignor to Rex Manufacturing Company, Providence, R. I. Pencil. 1,484,180; Feb. 19.

Meade, Henry B. (See Meyer, C., and Meade.)

Meadows, John L., Hume, Ill. Collapsible house. 1,484,518; Feb. 19.

Megill, Edward L., deceased, New York, N. Y.; A. V. Hart, executor. Printing-press gauge. 1,483,981; Feb. 19.
Meister, Conrad L., Wilmington, N. C. Shaker bar. 1,484,519; Feb. 19.
Melville, Ward, New York, N. Y. Shoe sole. Des. 64,023; Feb. 19.
Memmen, Sonie J., Manito, Ill. Apparatus for use in washing automobiles. 1,484,071; Feb. 19.
Menzel, Carl A. (See Hermann, A., and Menzel.)
Metcalfe, Robert F., assignor to Skinner Patent Holding Company, Erie, Pa. Speed sensitive controlling device. 1,484,185; Feb. 19.
Meyer, Charles, and H. B. Meade, assignors to F. A. Gillespie, Los Angeles, Calif. Amalgamator. 1,483,982; Feb. 19.
Michod, Charles L., Chicago, Ill. Wall structure. 1,484,520; Feb. 19.
Mid-West Box Company. (See Heinrichs, Berg, assignor.)
Miles, George B., Washington, Ill. Swivel chair. 1,484,229; Feb. 19.
Milliard, J. Brooks, et al. (See Gould, Edwin J., assignor.)
Miller, Arnold W. (See Hook, C. H., and Miller.)
Miller, Ernest E., near Centerville, Ohio. Clutch-pedal lock for tractors. 1,484,146; Feb. 19.
Miller, Jannette, Eau Claire, Wis. Flowerpot holder. 1,484,403; Feb. 19.
Miller, Joseph, New York, N. Y. Lighting-fixture tassel. Des. 64,024; Feb. 19.
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting machine. 1,483,904; Feb. 19.
Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Web-holder mechanism. 1,483,905; Feb. 19.
Miller, Walter F., Dayton, Ohio. Wrench. 1,483,906; Feb. 19.
Milner, Edwin E., Scott Township, Allegheny County, assignor to H. L. Dixon Company, Carnegie, Pa. Charging door for ovens. 1,484,521; Feb. 19.
Minich, Henry D., Alma, Mich. Suitcase. 1,484,186; Feb. 19.
Minich Railway Appliance Corporation. (See Minich, Russell H., assignor.)
Minich, Russell H., assignor to Minich Railway Appliance Corporation, Philadelphia, Pa. Car brake. 1,483,907; Feb. 19.
Mishoulam, Hyman. (See Hargot, René, assignor.)
Mitchell, Harold D., assignor to C. Kenyon Company, Inc., Brooklyn, N. Y. Tire tread. Des. 64,025; Feb. 19.
Moback Tool & Machine Manufacturing Corporation. (See Peterson, Victor H., assignor.)
Mobley, George W., Waynesboro, Ga. Boll-weevil eradicator. 1,484,270; Feb. 19.
Moir, Donald, and H. Buchanan, Rosario de Santa Fe, Argentina. Joint for concrete pipes and the like. 1,484,355; Feb. 19.
Monarch Marking System Company, The. (See Kohnle, Frederick, assignor.)
Montgomery, James H., San Francisco, Calif. Grease-dispensing device. 1,484,356; Feb. 19.
Mook, Dean, Rochester, N. Y. Feeding apparatus for hand or breast drills. 1,484,377; Feb. 19.
Moore, Arlington H., Dayton, Ohio. Fume generator for baths. 1,484,072; Feb. 19.
Moore, Ninian R., Dubois, Pa. Habitable camping vehicle. 1,484,523; Feb. 19.
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morlock, Charles D., and A. Nord, Vancouver, British Columbia, Canada. Chesterfield bed. 1,484,337; Feb. 19.
Morrison, Budd L., Indianapolis, Ind. Boiler-feed-water purifier. 1,484,073; Feb. 19.
Morse, Alonzo C., Mansfield, Ohio. Reach rod and forming the same. 1,483,947; Feb. 19.
Mulford, H. K., Company. (See Reichel, J., and Huntoon, assignors.)
Mullen, Harry L., Baltimore, Md. Funnel. 1,484,357; Feb. 19.
Mumm, Bernard J. and B. J., St. Paul, Minn. Sausage casing and producing same. 1,484,523; Feb. 19.
Mumm, Bernard J. (See Mumm, Bernard J. and B. J.)
Mundell, John C., Elora, Ontario, Canada. Sanding device for scroll and fret work. 1,483,983; Feb. 19.
Murdock, Samuel B., Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y. Process and apparatus for shredding soap. 1,484,271; Feb. 19.
Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Co., Inc. Stereoscope. 1,484,404; Feb. 19.
Myers, Frank A., Plainville, assignor to The Stanley Works, New Britain, Conn. Butt hinge. 1,484,610; Feb. 19.
Naugle, Harry M., Canton, Ohio. Metal lath clip. 1,484,524; Feb. 19.
Neale, John A. (See Quackenboss, F. B., and Neale.)
Neil, Walter S. (See Ezekiel, A., Lubin, Warshuer, and Neil.)
Nell, Gustave M., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Throttle-valve lock for rock drills. 1,484,378; Feb. 19.
Nelson, George F., Berkeley, Calif. High-vacuum pump. 1,484,147; Feb. 19.
Nethercut, Edgar S. (See Peterson, Burt A., assignor.)
New England Trust Company, trustee, The. (See Brink, Carl A., assignor.)
Newman, Edward D., New York, N. Y. Automobile tire. Des. 64,026; Feb. 19.
New Martinsville Glass Mfg. Co., The. (See Clarke, Ira M., assignor.)
Niemi, Matti, Seattle, Wash. Combined music-leaf holder and turner. 1,484,308; Feb. 19.
Nichols, James C., and E. Ryder, Chicago, Ill. Shock absorber. 1,483,984; Feb. 19.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Bonbon dish or analogous article. Des. 64,027; Feb. 19.
Noeggerath, Jacob E., The Hague, Netherlands. Means for damming up semisolid substances. 1,484,525; Feb. 19.
Noetzel, Gustav A., assignor to Pressed Metal Mfg. Co., Waukesha, Wis. Shock absorber. 1,484,338; Feb. 19.
Nolan, Edmund, Detroit, Mich. Hood clamp. 1,484,074; Feb. 19.
Nord, Axel. (See Morlock, C. O., and Nord.)
Norris, Almon E., Brookline, Mass. Clutch. 1,483,948; Feb. 19.
Northrup, Joshua K., Ellicottville, N. Y. Paintbrush. 1,484,230; Feb. 19.
Norton, Frederick H., Langley Field, Va. Weighing apparatus. 1,484,358; Feb. 19.
Oakley, George E., assignor to Consolidated Car-Heating Company, Albany, N. Y. Train-door system. 1,483,908; Feb. 19.
O'Connor, Michael J., Bloomingdale, N. J. Muffler. 1,484,526; Feb. 19.
Ofeldt, August W., West Hoboken, N. J. Spark plug. 1,484,272; Feb. 19.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Olt, Philip S., South Pekin, Ill. Musical instrument. 1,484,148; Feb. 19.
O'Neill, William P., and F. T. Gallagher, Rockland, Mass. Cuff protector. 1,484,187; Feb. 19.
Onepiece Bifocal Lens Company. (See Bugbee, Lucian W., assignor.)
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Bennewitz, Kurt, assignor.)
Orne, Corydon O., Springfield, Mass. Assembling the parts of knitting-machine needles. 1,484,149; Feb. 19.
O'Rourke, John F., New York, N. Y. Method of and means for erecting tunnels. 1,484,188; Feb. 19.
Orphan, Alex N. (See Graham, William E., assignor.)
Orrick, Oliver S. (See Hulten, Charles J., assignor.)
Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,484,405; Feb. 19.
Ottinger, Leon, New York, N. Y. Handle-attaching means for door latches. 1,484,406; Feb. 19.
Otto, John J., Chicago, Ill. Boat. 1,484,075; Feb. 19.
Owen-Dyneto Corporation. (See Doman, Albert E., assignor.)
Owens Bottle Company, The. (See Rule, John F., assignor.)
Pace, Jefferson D., Shreveport, La. Well-drilling bit. 1,484,527; Feb. 19.
Palmer, John F., St. Joseph, Mich. Air bag for use in the manufacture of pneumatic tires. 1,484,407; Feb. 19.
Pamperin, Paul M., La Crosse, Wis. Shirt. 1,484,408; Feb. 19.
Paquette, Herman A., Chicago, Ill. Gas-iron hose connecter. 1,484,528; Feb. 19.
Parkes, William N., Brooklyn, N. Y. Hook mechanism for lock-stitch sewing machines. 1,484,151; Feb. 19.
Parks, Glen, assignor of one-half to H. Flynn, Seattle, Wash. Machine for nailing metal straps to wooden slats. 1,484,150; Feb. 19.
Patterson, Duncan W., assignor to Foamite-Childs Corporation, New York, N. Y. Fire extinguisher. 1,484,529; Feb. 19.
Patton Company, The. (See Patton, J. F., and McAllister, assignors.)
Patton, James F., and J. E. McAllister, Cleveland, Ohio, assignors to The Patton Company. Ironing machine. 1,483,949; Feb. 19.
Pauly, Robert C., Dayton, and G. F. Ilgen, Springfield, Ohio. Heater. 1,484,152; Feb. 19.
Peelle Company, The. (See Peelle, Robert S., assignor.)
Peelle, Robert S., Hollis, assignor to The Peelle Company, Brooklyn, N. Y. Elevator door. 1,484,273; Feb. 19.
Peerless Husker Company. (See Hoy, Clarence A., assignor.)
Penney, Albert E. (See Hayter, Willis, assignor.)
People of the United States. (See Gibbs, Harry D.)
People of the United States. (See Hermann, A., and Menzel.)
Perham, Arthur L., East Moseley, assignor to Vickers Limited, Westminster, London, England. Level-correction device for ordnance. 1,484,274; Feb. 19.
Perry, Clarence E., Irasburg, Vt. Computing machine. 1,484,530; Feb. 19.
Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Inverted horisontal ingot and casting. 1,484,076; Feb. 19.
Peters Bros. Rubber Co. (See Weniger, Frank S., assignor.)

Petersen, Olaf W., assignor to Petersen Stoker Company, Buffalo, N. Y. Grate. 1,483,900; Feb. 19.
Petersen Stoker Company. (See Petersen, Olaf W., assignor.)
Peterson, Burt A., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp beam. 1,484,154; Feb. 19.
Peterson, Burt A., Rockford, assignor to E. S. Nethercut, Evanston, Ill. Warp beam. 1,484,153; Feb. 19.
Peterson, Burt A., Rockford, assignor to E. S. Nethercut, Evanston, Ill. Warp beam. 1,484,155; Feb. 19.
Peterson, Victor H., Belmont, assignor to Moback Tool & Machine Manufacturing Corporation, Boston, Mass. Rotary cutting tool. 1,483,950; Feb. 19.
Peto, Louis, Vestaburg, Pa. Pipe bender. 1,484,558; Feb. 19.
Petroleum Safety Appliance Company. (See Clifford, Victor, assignor.)
Phelan, Louis A. M., Beloit, Wis. Electrical apparatus. 1,484,156; Feb. 19.
Piccirilli, Joseph, Plainfield, N. J. Safety-seal envelope. 1,484,359; Feb. 19.
Pick, Albert, & Company. (See Ittig, George P., assignor.)
Pickett, Smith D., Atlanta, Ga. Bottle. Des. 64,029; Feb. 19.
Pickford, Edward F., et al. (See Seabolt, Frank J., assignor.)
Pierce, Benjamin F., Pine Bluff, N. C. Pincushion. Des. 64,028; Feb. 19.
Pierce, Earl F., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Lead pencil. 1,484,077; Feb. 19.
Pierce, Frank M., Chicago, Ill. Wrapping and unwrapping machine. 1,484,409; Feb. 19.
Pilling, George P., Philadelphia, Pa., assignor to Freyn, Brassert & Company, Chicago, Ill. Gas-cleaning apparatus. 1,484,078; Feb. 19.
Pistocco, Veno L., Wichita Falls, Tex. Sign supporting and suspending means. 1,484,231; Feb. 19.
Plank, J Raymond, assignor to F. E. Liverance, Jr., Grand Rapids, Mich. Bumper construction. 1,484,157; Feb. 19.
Plessman, John J., Oakland, Calif. Mold. 1,484,233; Feb. 19.
Plessman, John J., assignor of one-half to A. Johnson, Oakland, Calif. Molding machine. 1,484,232; Feb. 19.
Poole, Arthur F. (See Farnham, S. H., and Poole.)
Polzien, Elmer H., Manilla, Iowa. Electric socket plug. 1,484,360; Feb. 19.
Powell, James R., Los Angeles, Calif. Broom shield. 1,484,531; Feb. 19.
Powers Regulator Company, The. (See Snediker, Morton O., assignor.)
Prentiss, William A., Holyoke, Mass. Means for attaching labels to spools or other articles. 1,484,234; Feb. 19.
Pressed Metal Mfg. Co. (See Noetzel, Gustav A., assignor.)
Price, Earl L., Oakland, Calif. Can-draining machine. 1,483,951; Feb. 19.
Price, Joseph, assignor to The Griscom Russell Company, New York, N. Y. Making spiral coils. 1,483,985; Feb. 19.
Pridgen, Otto S., Richmond, Va. Marine vehicle. 1,484,410; Feb. 19.
Proctor, John A., Lexington, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio receiving apparatus. 1,484,189; Feb. 19.
Puleo, James. (See Ligot, Raymond R., assignor.)
Quackenboss, Frank B., and J. A. Neale, Nashville, Tenn. Accelerator. 1,483,952; Feb. 19.
Quigley, James B., Independence, Mo. Key ring. 1,484,532; Feb. 19.
Quinn, James F., assignor to The Kimball System, Inc., Lowell, Mass. Outdoor sign. Des. 64,030; Feb. 19.
R. & S. Valve Company, The. (See Richardson, Edward E., assignor.)
Raba, Ernest, Pawnee, Okla. Mixing device. 1,484,235; Feb. 19.
Rail Joint Company, The. (See Thomson, William P., assignor.)
Rail Joint Company, The. (See Wolhaupter, B., and Disbrow, assignors.)
Rail Joint Company, The. (See Wolhaupter, Benjamin, assignor.)
Rainey, Austin E., Grove City, Pa. Screw driver. 1,484,379; Feb. 19.
Rainey, Lillus B., Gadsden, Ala. Cap for liquid receptacles. 1,483,953; Feb. 19.
Randall, Samuel J., Youngstown, Ohio. Hydraulic valve plunger. 1,484,533; Feb. 19.
Raschick, Charles T., St. Paul, Minn. Check holder and cutter. 1,483,910; Feb. 19.
Rasmussen, Alvin C. (See Insley, W. H., and Rasmussen.)
Ratterree, Alexander H., Charlotte, N. C. Cushion tire. 1,484,037; Feb. 19.
Rauch, Frederick M., and W. J. Brooks, Washington, D. C. Means for holding garments on hangers. 1,484,534; Feb. 19.
Rauchwetter, Anna, née Böhme, administratrix. (See Rauchwetter, Franz.)
Rauchwetter, Franz, deceased, Berlin, by A. Rauchwetter, née Böhme, administratrix, Berlin-Friedenau, Germany; A. Flater, present administrator. Adding machine. 1,484,237; Feb. 19.
Rauchwetter, Franz, deceased, Berlin, by A. Rauchwetter, née Böhme, administratrix, Berlin-Friedenau, Germany; A. Flater, present administrator. Transfer mechanism for calculating machines. 1,484,236; Feb. 19.
Ray, Arthur B., Flushing, N. Y. Solidification of organic liquids. 1,484,190; Feb. 19.
Read, Harry S., Ithaca, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio receiving system. 1,484,411; Feb. 19.
Reardon, John F., St. Louis, Mo. Faucet. 1,484,079; Feb. 19.
Rector, Harlan S., assignor to The Beckley-Ralston Co., Chicago, Ill. Luggage carrier for bicycles. 1,484,559; Feb. 19.
Reddig, Charles E., Kew Gardens, assignor to Western Electric Company, Incorporated, New York, N. Y. Prime-mover dynamo plant. 1,484,412; Feb. 19.
Rees, Edwin A. (See Wilson, E. J., and Rees.)
Reichel, John, Philadelphia, and F. M. Huntoon, Swarthmore, assignors to H. K. Mulford Company, Philadelphia, Pa. Product and process for the recovery of bacterial antibodies. 1,484,038; Feb. 19.
Reiner, Robert, Incorporated. (See Haüssler, Ludwig, assignor.)
Reiser, Sigmund, Cincinnati, Ohio. Locking device for motor vehicles. 1,484,560; Feb. 19.
Remington Accounting Machine Corporation. (See Farnham, S. H., and Poole, assignors.)
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Revor, Fred J., Lyon Mountain, N. Y. Silencer for valve mechanism. 1,484,080; Feb. 19.
Rex Manufacturing Company. (See McNary, Lawrence T., assignor.)
Rice, Joseph. (See Schakel, J. D., and Rice.)
Richardson, Edward E., Toledo, Ohio, assignor to The R. & S. Valve Company, Elyria, Ohio. Throttling valve. Re15,770; Feb. 19.
Richardson, Ernest, College Hill Borough, Pa. Billboard. 1,484,561; Feb. 19.
Richardson, John E. (See Aspley, Walter B., assignor.)
Ricketts, Homer C., assignor to Brogden, Ricketts & Haworth Company, Winterhaven, Fla. Apparatus for treating fruit and the like. 1,484,562; Feb. 19.
Riddle, Edward N., Company, The. (See Riddle, John K., assignor.)
Riddle, John K., assignor to The Edward N. Riddle Company, Toledo, Ohio. Mounting device for lighting fixtures. 1,484,275; Feb. 19.
Riddle, Maxwell, Ravenna, Ohio. Centrifugal nut-cracking machine. 1,484,563; Feb. 19.
Riffert, Raymond H., Philadelphia, Pa. Pack of game cards. 1,484,564; Feb. 19.
Riker, Malcolm D., assignor to McKiernan-Terry Drill Company, Dover, N. J. Multiple-speed handle. 1,484,565; Feb. 19.
Ringe, John C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Needle guard for sewing machines. 1,484,191; Feb. 19.
Ringquist, Alvin O., Fitchburg, Mass. Reversible wrench. 1,484,192; Feb. 19.
Riotte, Eugene A. (See Smith, Benjamin C., assignor.)
Rispel, Alexander, and L. C. Liedtke, Chicago, Ill. Meat compressor. 1,483,911; Feb. 19.
Risser, Andrew A., Wisner, Nebr. Hay pusher. 1,483,986; Feb. 19.
Rissman, Paul, assignor to Detroit Insulated Wire Company, Detroit, Mich. Doorcheck. 1,483,912; Feb. 19.
Robb, Clyde S., Charleroi, assignor of one-half to C. J. Kunzler, Pittsburgh, Pa. Manufacture of glass cylinders. 1,484,339; Feb. 19.
Roberge, Alphonse, Somersworth, N. H. Ticket holder. 1,484,418; Feb. 19.
Roberts, Claudius H. M. (See Borden, W. A., and Roberts.)
Roberts, Stanley C. H., London, England. Sound-reproducing mechanism. 1,484,340; Feb. 19.
Robinson, Joseph V., New Haven, Conn. Automatic train-pipe connecter. 1,484,082; Feb. 19.
Robinson, Joseph V., Santa Monica, Calif. Train-pipe coupling. 1,484,081; Feb. 19.
Rockwell, Hugh M., assignor, by mesne assignments, to The Merlin Firearms Corporation, New Haven, Conn. Turret mount for automatic guns. 1,483,987; Feb. 19.
Roebuck, Alvah C., Chicago, Ill. Motion-picture apparatus. 1,484,083; Feb. 19.
Rohrbach, Franklin L., Spokane, Wash. Grass catcher for lawn mowers. 1,484,084; Feb. 19.
Roper, Geo. D., Corporation. (See Zander, John, assignor.)
Roth, Louis, assignor to Sterling Bronze Company, New York, N. Y. Theater chair. 1,484,566; Feb. 19.
Rothenbucher, George E. R., Chicago, Ill. Reversible pump valve. 1,484,238; Feb. 19.
Ruckel, Phillip K., Saginaw, Mich. Air motor. 1,484,414; Feb. 19.

Rule, John F., assignor to The Owens Bottle Company, Toledo, Ohio. Producing formed charges of molten glass. 1,484,085; Feb. 19.
Runck, John P., Casselton, N. Dak. Snowplow. 1,484,380; Feb. 19.
Rushmore, Samuel W., Plainfield, N. J. Cam-actuated diaphragm horn. 1,484,276; Feb. 19.
Rutherford, Frank H., Chicago, Ill. Switching apparatus for railway switch yards. 1,484,086; Feb. 19.
Ruttenberg, Edward C., Chicago, Ill. Shade support. Des. 64,031; Feb. 19.
Ryan, Francis M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio broadcasting equipment. 1,484,087; Feb. 19.
Ryan, John W., assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, England. Gill box or frame. 1,484,567; Feb. 19.
Ryan, Walter D., Schenectady, N. Y. Vehicle lamp. 1,484,309; Feb. 19.
Ryder, Elmer. (See Nichols, J. C., and Ryder.)
Sakelaropoulos, Vasilios, New York, N. Y. Foldable box or container. Des. 64,032; Feb. 19.
Sammons, Walter H., Philadelphia, Pa. Hair-dressing device. 1,483,988; Feb. 19.
Sand, Martin, Tenbridge, N. Dak. Cultivator. 1,484,039; Feb. 19.
Sanitary Scale Company. (See Ludlow, George M., assignor.)
Sansom, Ray, Cusick, assignor of one-half to W. B. Kirk, Usk, Wash. Footstool. 1,484,040; Feb. 19.
Sass, John. (See Burk, William D., assignor.)
Savage, Edward S., Rochester, N. Y. Printing. 1,484,568; Feb. 19.
Savage, John C., Ryde, Isle of Wight, England, assignor to The Skywriting Corporation of America. Producing visual effects in the air and apparatus therefor. Re15,771; Feb. 19.
Scanes, Arthur E. L., Ashton-on-Mersey, England, assignor to Westinghouse Electric and Manufacturing Company. Ejector condensing apparatus. 1,483,989; Feb. 19.
Schakel, Jacob D., and J. Rice, assignors to Elevator Company of America, Chicago, Ill. Electric automatic door-locking system. 1,484,277; Feb. 19.
Schakel, Jacob D., assignor to Elevator Company of America, Chicago, Ill. Elevator-door-locking device. 1,484,278; Feb. 19.
Scheid, Johannes F., assignor to the Firm: H. Schomburg & Sohne, Margarethenhutte, Grossdubrau, Germany. Ceramic body. 1,484,569; Feb. 19.
Schevenell, James, New York, N. Y. Protective binding for collars. 1,484,570; Feb. 19.
Schlueter, Frank J., and M. Lozano, Houston, Tex.; said Lozano assignor of one-fifth of his right to said Schlueter. Guard for railway crossings. 1,484,279; Feb. 19.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Refrigerating machine. 1,483,990; Feb. 19.
Schnoebelen, Oscar E., Leetonia, Ohio. Transmission-band adjuster. 1,483,954; Feb. 19.
Schoenwolf, Fred, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system with automatic ringing disconnect. Re15,774; Feb. 19.
Schomburg, H., & Sohne. (See Scheid, Johannes F., assignor.)
Schumacher, John W., assignor to Acme White Lead and Color Works, Detroit, Mich. Lead compound and forming the same. 1,484,088; Feb. 19.
Schwartz, Max, New York, N. Y. Auto bumper. 1,483,913; Feb. 19.
Schweinert, Maximilian C., New York, N. Y. Adapter for pump couplings. 1,484,342; Feb. 19.
Scott, Walter C., Plainfield, N. J. Shock absorber. 1,484,193; Feb. 19.
Seabolt, Frank J., Schenectady, N. Y., assignor of one-fourth to E. F. Pickford, Washington, D. C., one-fourth to M. H. Hall and one thirty-second to C. D. Knight, Schenectady, N. Y. Electric clock-setting means. 1,484,441; Feb. 19.
Searle, Edward C., Hilo, Hawaii. Headlight. 1,484,571; Feb. 19.
Seeberman, Isador. (See Hochman, Jacob, assignor.)
Serra, Augustin, Essomes-sur-Marne, France. Warp-knitting machine. 1,484,381; Feb. 19.
Servis, Oscar E., Chicago, Ill. Electrode suspension device. 1,484,194; Feb. 19.
Severson, Martin, Galesville, Wis. Crank holder for cars. 1,484,341; Feb. 19.
Sexton, Isaac E., Winchester, Mass. Sheet-metal can. 1,484,195; Feb. 19.
Shaeffer, Harry B., Altoona, Pa. Shock absorber. 1,484,572; Feb. 19.
Sharpe, Lewis C., Kerrville, Tex. Valve-stem washer. 1,484,573; Feb. 19.
Shaw, Solomon B., Los Angeles, Calif. Vehicle signal. 1,484,089; Feb. 19.
Shepard, John W., Tucson, Ariz. Vehicle wheel. 1,484,535; Feb. 19.
Shepherd Chemical Company. (See Shepherd, John P., assignor.)
Shepherd, John P., Chicago, Ill., assignor, by mesne assignments, to Shepherd Chemical Company. Tooth paste. 1,484,415; Feb. 19.
Shepherd, William H. (See Beals, Harold S., assignor.)
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,033; Feb. 19.
Shipley, Grant B., Pittsburgh, Pa. Wood-treating plant. 1,484,574; Feb. 19.
Shoenberg, Milton H., San Francisco, Calif. Electric water heater and switch. 1,484,451; Feb. 19.
Shoenberg, Milton H., San Francisco, Calif. Lighter. 1,484,453; Feb. 19.
Shoenberg, Milton H., San Francisco, Calif. Combined lighting and heating unit. 1,484,454; Feb. 19.
Shoenberg, Milton H., assignor to Majestic Electric Development Company, San Francisco, Calif. Electric iron. 1,484,452; Feb. 19.
Shulin, Neal P., Butte, Mont. Discharge member for use in irrigating systems. 1,484,575; Feb. 19.
Simmons, Frank L., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Rotary magnetic chuck. 1,484,090; Feb. 19.
Simmons, George P., assignor to Horrocks Desk Company, Herkimer, N. Y. Lubricator. 1,484,576; Feb. 19.
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Singer Manufacturing Company, The. (See Binge, John C., assignor.)
Skaer, Moyle, Augusta, Kans. Carburetor. 1,484,577; Feb. 19.
Skillins, John T., Westbrook, Me. Belt buckle. 1,484,416; Feb. 19.
Skinner Patent Holding Company. (See Metcalfe, Robert F., assignor.)
Skywriting Corporation of America. (See Savage, John C., assignor.)
Slattery, Donald W., East Cleveland, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Valve. 1,483,991; Feb. 19.
Small, Frank E., Jamaica, N. Y. Piston packing. 1,484,578; Feb. 19.
Smillie, Robert H., Oakland, Calif. Eye guard. 1,484,042; Feb. 19.
Smith, Benjamin C., Bayonne, N. J., assignor to E. A. Riotte, Douglaston, N. Y. Refrigeration apparatus. 1,484,091; Feb. 19.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,483,914; Feb. 19.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,484,196; Feb. 19.
Snead, Emmett H., Danville, Va. Movable headlight. 1,484,417; Feb. 19.
Snediker, Morton O., assignor to The Powers Regulator Company, Chicago, Ill. Graduated-movement regulator. 1,484,092; Feb. 19.
Solomon, Dorothy, New York, N. Y. Curtain stretcher. 1,484,418; Feb. 19.
Soss, Joseph, New York, N. Y. Hinge. 1,484,093; Feb. 19.
Soss, Joseph, Brooklyn, N. Y. Manufacturing hinge butts. 1,484,343; Feb. 19.
Söyland, Alf, Bergen, Norway. Combined tent and sleeping bag. 1,484,361; Feb. 19.
Spahr, Otto, Philadelphia, Pa. Electric sadiron. 1,484,280; Feb. 19.
Spencer, Harold, Detroit, Mich. Tool holder. 1,484,810; Feb. 19.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Means for spinning up gyroscopes on aircraft. 1,483,992; Feb. 19.
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Spiro, Walter J., White Plains, N. Y. Light-control switch. 1,484,239; Feb. 19.
Sprague Foundry & Manufacturing Company. (See Smith, Albert B., assignor.)
Sprowles, Frank W., and W. C. Faunce, Philadelphia, Pa. Permutation lock. 1,483,993; Feb. 19.
Stadniczek, John, Elizabeth, N. J. Violin bow. 1,483,994; Feb. 19.
Stanbrough, William M., Newburgh, N. Y. Upper dental plate. 1,484,344; Feb. 19.
Stanley, Joseph F., Minneapolis, Minn. Bed brace. 1,484,158; Feb. 19.
Stanley Works, The. (See Myers, Frank A., assignor.)
Steele, Charles W., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-boot-building machine. 1,483,915; Feb. 19.
Stefani, Carlo, Milan, Italy. Change-speed transmission. 1,484,197; Feb. 19.
Steiger, Andrew W., Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,484,281; Feb. 19.
Steiner, George A., assignor, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,484,159; Feb. 19.
Steiner Sales Company. (See Steiner, George A., assignor.)
Sterling Bronze Company. (See Roth, Louis, assignor.)
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Method and apparatus for manufacturing tires. Re15,772; Feb. 19.
Stewart-Warner Speedometer Corporation. See Whittington, Frederik G., assignor.)

Still, Frederick R., assignor to American Blower Company, Detroit, Mich. Fan wheel and making the same. 1,484,579; Feb. 19.
Still, William J., London, England. Construction of internal-combustion-engine cylinders. 1,484,240; Feb. 19.
Stirling, Sarah V. D., New York, N. Y. Folding chair. 1,484,419; Feb. 19.
Stitzel, Frederick, Louisville, Ky. Spring wheel. 1,484,580; Feb. 19.
Stoelting Brothers Co. (See Stoelting, Gustav, assignor.)
Stoelting, Gustav, assignor to Stoelting Brothers Co., Kiel, Wis. Jet mechanism. 1,484,345; Feb. 19.
Stone, Frederick, assignor to Diamond Drill Contracting Company, Spokane, Wash. Rotary drill. 1,484,362; Feb. 19.
Stothart, James R., and L. Bernstein, Coushatta, La. Egg crate. 1,484,581; Feb. 19.
Stoughton Harp Company. (See Stoughton, William B., assignor.)
Stoughton, William B., assignor to Stoughton Harp Company, Dubois, Pa. Harp. Des. 64,034; Feb. 19.
Stover Manufacturing & Engine Co. (See Edwards, Wilbert J., assignor.)
Strassweg, Herbert A. (See Arnold, Charles A., assignor.)
Sturt, Alfred T., Flint, Mich., assignor to Durant Motors Incorporated. Motor-vehicle engine-supporting structure. 1,484,582; Feb. 19.
Suderov, Max M., New York, N. Y. Wrist watch. 1,484,420; Feb. 19.
Sure Edge Stropper Company. (See Larson, Lewis E., assignor.)
Szafranski, Joseph, Danielson, Conn. Potato-peeling machine. 1,484,094; Feb. 19.
Taft-Peirce Manufacturing Company, The. (See Simmons, Frank L., assignor.)
Tapley, James M., Charleswood, Manitoba, Canada. Crank case for internal-combustion engines. 1,484,043; Feb. 19.
Tateoka, Mitsuji, Gardena, Calif. Brooder-heating device. 1,484,583; Feb. 19.
Tauern, Odo D., and N. Lyon, Freiburg, Germany. Finder for motion-picture cameras and similar optical appliances. 1,484,584; Feb. 19.
Taylor, Harvey B., Philadelphia, Pa. Composite spiral casing. 1,483,995; Feb. 19.
Taylor, Robert. (See Erickson, C., and Taylor.)
Textile Engineering Company. (See Hale, Joshua B., assignor.)
Thaler, Wilhelm, Heidenheim-on-the-Brenz, Germany. Wood grinder. 1,484,585; Feb. 19.
Thew Shovel Company, The. (See Weber, Charles A., assignor.)
Thomas, Buck C., Shiro, Tex. Box closure. 1,484,586; Feb. 19.
Thomas, Horace T., Lansing, Mich. Curtain for automobiles. 1,484,095; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,421; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,422; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,423; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,424; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,425; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,426; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,427; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,428; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,429; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,430; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,431; Feb. 19.
Thompson, James S., Pelham, N. Y. Manufacture of brake shoes. 1,484,432; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,433; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,434; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,435; Feb. 19.
Thompson, James S., Pelham, N. Y. Brake-shoe mold. 1,484,436; Feb. 19.
Thompson, James S., Pelham, N. Y. Mold. 1,484,437; Feb. 19.
Thompson, James S., Pelham, N. Y. Mold. 1,484,438; Feb. 19.
Thompson, James S., Pelham, N. Y. Mold for making castings. 1,484,439; Feb. 19.
Thompson, James S., Pelham, N. Y. Mold for making castings. 1,484,440; Feb. 19.
Thompson, Ray W., New York, N. Y. Combined lamp shade and stand. Des. 64,035; Feb. 19.
Thomson, William P., assignor to The Rail Joint Company, New York, N. Y. Construction for rail joints. Re15,773; Feb. 19.
Thrasher, Orville A., American Fork, Utah. Drinking fountain or trough. 1,484,160; Feb. 19.
Tischer, Frank V., Dayton, Ohio. Apparatus and method of making laminated structures. 1,484,311; Feb. 19.
Toborg, Alfred G., Chicago, Ill. Coin holder. 1,484,044; Feb. 19.
Toler, William E., Pawnee, Okla. Attachment for thrashing machines and clover hullers. 1,483,955; Feb. 19.
Tompkins, Frank M., Dufield, Va. Fruit picker. 1,484,241; Feb. 19.
Tongue, Gordon W. R., Seattle, Wash. Marking coal. 1,483,996; Feb. 19.
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,483,956; Feb. 19.
Torrington Company, The. (See Calder, J. A., and Dayton, assignors.)
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Trent, Harold E., Lansdowne, Pa. Electrical fuse and method. 1,484,198; Feb. 19.
Trevoux, Laurent E. M., assignor to La Societe Anonyme de Produits Chimiques, Etablissements Maletra, Siege Social, Petit-Quevilly, France. Process and apparatus for the continuous production of sulphates. 1,484,587; Feb. 19.
Troidl, Nellie Y., Niagara Falls, N. Y. Educational appliance. 1,483,916; Feb. 19.
Trojan, Joseph E., Columbus, Tex. Demountable rim. 1,484,588; Feb. 19.
Trubek, Leo, Hasbrouck Heights, N. J. Bottle. 1,484,589; Feb. 19.
Trygge, Nils T., Chicago, Ill. Pencil eraser. 1,483,957; Feb. 19.
Tubbs, John A., Ellis, Kans. Trap. 1,484,363; Feb. 19.
Tucker, Ernest E., New York, N. Y. Oxyhydrogen steam generator. 1,483,917; Feb. 19.
Tucker, J. H., & Company. (See Brothers, Edwin J., assignor.)
Tueckmantel, Hugo, Newark, N. J. Bag frame. 1,483,997; Feb. 19.
Turbo Motor Company. (See McElrath, William W., jr., assignor.)
Tyson, Frederick S., assignor to Tyson Mfg. Co., Lock Haven, Pa. Automobile radiator cover. 1,484,199; Feb. 19.
Tyson Mfg. Co. (See Tyson, Frederick S., assignor.)
Uhlemann Optical Company. (See Uhlemann, William R., assignor.)
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Company, Chicago, Ill. Angle-measuring instrument. 1,484,364; Feb. 19.
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Company, Chicago, Ill. Optician's angle gage. 1,484,365; Feb. 19.
Uhlemann, William R., Evanston, assignor to Uhlemann Optical Company, Chicago, Ill. Optician's measuring instrument. 1,484,366; Feb. 19.
Ullmann, Max, Zwickau, Germany, assignor to K. Werth, The Hague, Netherlands. Producing negatives from nontransparent originals for use in preparing printing plates. 1,484,346; Feb. 19.
Ullmann, Max, Zwickau, Germany, assignor to K. Werth, The Hague, Netherlands. Producing negatives from nontransparent originals for use in preparing printing plates. 1,484,347; Feb. 19.
Underwood Computing Machine Company. (See Steiger, Andrew W., assignor.)
Underwood Typewriter Company. (See Conklin, De Witt N., assignor.)
Underwood Typewriter Company. (See Hilsee, Charles M., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Union Bag & Paper Corporation. (See Crawford, Earl A., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See Zabel, William, assignor.)
United Engineering & Foundry Company. (See Jones, Lloyd, assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Collins, Richard C., assignor.)
United Shoe Machinery Corporation. (See Cosgrove, John W., assignor.)
United Shoe Machinery Corporation. (See Emerson, Edwin L., assignor.)
United States Radium Corporation. (See Dey, William H., assignor.)
United States Asphalt Refining Company, The. (See Gundlach, Henry R., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Paint Remover and Motor Cleaning Company a Trust Estate. (See Cleveland, David P., assignor.)
Unkel, H. W. (See Alber, George, assignor.)
Valley Mould and Iron Corporation. (See Coates, Ray G., assignor.)
Valley Mould & Iron Corporation. (See Perry, John E., assignor.)
Van Der Voort, Pearl, Oakland, Calif. Vanity box. 1,484,161; Feb. 19.

Van Heusen, John M., Boston, Mass., assignor to Van Heusen Products, Inc. Collar. 1,484,590; Feb. 19.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Van Horn, Blaine, Philadelphia, Pa. Drumstick. 1,484,096; Feb. 19.
Van Nuis, Alfonso C., Cleveland, Ohio. Tread-rest foot grip. 1,483,913; Feb. 19.
Van Slyke, Merritt, Jacksonville, Fla. Spark plug. 1,484,501; Feb. 19.
Van Stelten, Harry, Arco, Minn. Shipping tag. 1,484,162; Feb. 19.
Varland, Martin, Radcliffe, Iowa. Ironing board. 1,484,592; Feb. 19.
Vebraaten, Elmer O., Vang, N. Dak. Bolster. 1,484,242; Feb. 19.
Vickers Limited. (See Perham, Arthur L., assignor.)
Victorius, Myer L., New York, N. Y. Counting hosiery. 1,484,097; Feb. 19.
Vincent, Sidney C., Baltimore, Md. Umbrella. 1,484,367; Feb. 19.
Vincke, Enrique, Barcelona, Spain. Tile and producing same. 1,484,200; Feb. 19.
Vinçon, Gustavo, Turin, Italy. Automatic firearm. 1,484,163; Feb. 19.
Von Brockdorff, Rudolf F., Munich, Germany. Electrode for liquid resistances. 1,484,243; Feb. 19.
Von Hambach, Ernest, Chicago, Ill., assignor to H. D. Lafferty, Oakland, Calif. Timer. 1,484,556; Feb. 19.
Voss, Albert H. (See Hansen, H. L., and Voss.)
Wagner, Earl J., Tamaqua, Pa. Coal jigger. 1,483,958; Feb. 19.
Wahl Company, The. (See Pierce, Earl F., assignor.)
Wakefield, F. W., Brass Company, The. (See Wakefield, Frederick W., assignor.)
Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Lighting fixture. 1,484,441; Feb. 19.
Walker, Charles J., Gary, Ind. Electric riveter. 1,483,919; Feb. 19.
Walker, Ernest A., assignor to The G. & G. Fixture Co., Newark, N. J. Arm for lighting fixtures. Des. 64,036; Feb. 19.
Walker, William J., assignor of one-sixth to A. Kewley, Bradford, Pa. Cup for working valves. 1,483,998; Feb. 19.
Walters, James, Birmingham, Ala. Demountable-rim pulley. 1,484,593; Feb. 19.
Wamser, Charles J., Wauwatosa, Wis. Hinged window. 1,483,920; Feb. 19.
Wappler Electric Co. (See Mutscheller, Arthur, assignor.)
Warburton, Howard, Hamilton, Ontario, Canada. Washing machine. 1,484,594; Feb. 19.
Wardwell, William E., Worcester, Mass. Top roll for spinning frames. 1,484,045; Feb. 19.
Wark, Albert R., Rexford, Kans. Planter. 1,484,244; Feb. 19.
Warner Brothers Company, The. (See Langhammer, Frank L., assignor.)
Warshner, Joe. See Ezekiel, A., Lubin, Warshner, and Neil.)
Washburn, Herbert I., Laurel Springs, N. J. Syn-motor. 1,484,312; Feb. 19.
Washington Automatic Doughnut Machine Company. (See McClure, H. A., and Huntley, assignors.)
Waterbury Iron Works, Inc. (See Kipp, Leonard, assignor.)
Waterman, Arthur, East Orange, N. J., assignor to E. V. Hartford, Inc., New York, N. Y. Demonstrating device. 1,484,595; Feb. 19.
Waters, George H., Glenfield, N. Y. Tire chain. 1,484,596; Feb. 19.
Watkins, James A., assignor to American Blower Company, Detroit, Mich. Centrifugal fan. 1,484,597; Feb. 19.
Waugh, James M., Chicago, Ill. Draft-gear friction-plate holder. 1,484,098; Feb. 19.
Way, Alban W., Philadelphia, Pa. Hinge. 1,484,536; Feb. 19.
Webber, Harold S., assignor to Cross Metal Products Company, New York, N. Y. Machine for making metal articles. 1,484,282; Feb. 19.
Weber, Charles A., assignor to The Thew Shovel Company, Lorain, Ohio. Power shovel hoisting mechanism controlling means. 1,484,245; Feb. 19.
Webster, Robert, Philadelphia, Pa. Dirigible headlight. 1,484,442; Feb. 19.
Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
Weigel, George P., Cleveland, Ohio. Bottle cap. 1,484,099; Feb. 19.
Weller, Peter B., Detroit, Mich. Multiple-fuse plug. 1,484,443; Feb. 19.
Welch, Harry V., assignor to International Precipitation Company, Los Angeles, Calif. Recovering metals from their ores. 1,483,999; Feb. 19.
Welch, Lewis C., Portland, Me. Variable-speed compensating device for the control of differential and brake mechanisms. 1,483,950; Feb. 19.
Welch, W. M., Manufacturing Company. (See Brown, Hugh E., assignor.)
Weller Manufacturing Company. (See Gutermann, Jacob J., assignor.)
Wellington, Charles H., Ventura, assignor to Casey Manufacturing Company, Oxnard, Calif. Starting switch. 1,484,048; Feb. 19.
Wellman, Lester R., assignor to Friedley Voshardt Co., Chicago, Ill. Plate for lighting fixtures. Des. 64,037; Feb. 19.
Wellman-Seaver-Morgan Company, The. (See Slattery, Donald W., assignor.)
Wells, John V., New York, N. Y. Automatic repouring coffee urn. 1,484,537; Feb. 19.
Welsh, Charles R., Schofield Barracks, Hawaii. Shoulder-patch-insignia-attaching mechanism. 1,484,313; Feb. 19.
Weniger, Frank S., Binghamton, assignor to Peters Bros. Rubber Co., New York, N. Y. Fabric cutter. 1,484,598; Feb. 19.
Werth, Karl. (See Ullmann, Max, assignor.)
Wertz, James C., Kansas City, Mo. Cinder tongs. 1,484,100; Feb. 19.
Westbury, William, Caney, Kans. Glass-drawing device. 1,484,101; Feb. 19.
Western Electric Company. (See Cummings, George C., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Johnson, Kenneth S., assignor.)
Western Electric Company. (See Keckler, Charles W., assignor.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Martin, Harold T., assignor.)
Western Electric Company. (See Oswald, Arthur A., assignor.)
Western Electric Company. (See Read, Harry S., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Ryan, Francis M., assignor.)
Westinghouse Electric & Manufacturing Co. (See Ehrhart, Raymond N., assignor.)
Westinghouse Electric and Manufacturing Company. (See Scanes, Arthur L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Schmidt, Henry F., assignor.)
Wetmore, Charles P., assignor to Wetmore Mechanical Laboratory Company, Milwaukee, Wis. Razor-blade knife. 1,484,538; Feb. 19.
Wetmore Mechanical Laboratory Company. (See Wetmore, Charles P., assignor.)
Whipple, Leland B., Rochester, N. Y., assignor to Fits-Empire Double Pivot Last Company, Auburn, Me. Pattern-copying machine. 1,483,960; Feb. 19.
Whitaker, William H., Shelbyville, Ill. Self-agitating hopper. 1,484,599; Feb. 19.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument dial plate. Des. 64,038; Feb. 19.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument dial plate. Des. 64,039; Feb. 19.
Wickham, Frank L., Lennon, Mich. Trestle. 1,484,164; Feb. 19.
Wiedeman, Oscar, Narberth, Pa. Method of and apparatus for finishing hats. 1,484,283; Feb. 19.
Wiederselm, Theodore E. (See Gibbs, E. D., and Wiederselm.)
Wight, Jarvis S., Brooklyn, N. Y. Vaporizer. 1,484,000; Feb. 19.
Wilkes, George, Calgary, Alberta, Canada. Barn-door construction. 1,484,047; Feb. 19.
Williams, Loy M., and C. J. Jewett, Fort Smith, Ark. Automatic starting device for motors. 1,484,539; Feb. 19.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Lichter, Adolph H., assignor.)
Wilson, Cora E., executrix. (See Wilson, John M.)
Wilson, Ezekiel J., East Greenbush, and E. A. Rees, Albany, assignors to F. C. Huyck & Sons, Rensselaer, N. Y. Paper-making machine. 1,483,961; Feb. 19.
Wilson-Imperial Company. (See Wilson, John M., assignor.)
Wilson, John M., deceased, Montclair, N. J.; C. E. Wilson, executrix, assignor to Wilson-Imperial Company. Composition of matter. 1,484,444; Feb. 19.
Wilson, Lorraine Q., Baltimore, Md. Arch-supporting insole. 1,484,165; Feb. 19.
Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
Wise, Joseph B., New York, N. Y. Refrigerating barrel. 1,484,314; Feb. 19.
Witt, Carl J. (See Erickson, C. B., and Witt.)
Witte, Meinhard, Minneapolis, Minn. Radiator-fin-forming machine. 1,484,600; Feb. 19.
Witz, Henry, Oberhausen, Germany, assignor to Babcock & Wilcox Company, New York, N. Y. High-pressure water-tube boiler. 1,484,540; Feb. 19.

Wolhaupter, Benjamin, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y. Method and machine for making step joints. 1,484,541; Feb. 19.
Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Abrasion unit for rail joints. 1,484,542; Feb. 19.
Wolhaupter, Benjamin, and C. A. Disbrow, New Rochelle, assignors to The Rail Joint Company, New York, N. Y. Insulated rail joint. 1,484,543; Feb. 19.
Wolk, Samuel, Dorchester, Mass. Scraper. 1,484,166; Feb. 19.
Wood, Frank W., Montclair, N. J. Means for indicating the integrity of circuits. 1,483,962; Feb. 19.
Wood, James E., Fairmont, W. Va. Casting machine. 1,484,544; Feb. 19.
Yardley, Charles F., Larchmont, N. Y. Rail anchor. 1,484,102; Feb. 19.
Young, Daniel, Brooklyn, N. Y., assignor to Young Inventions, Inc. Hosiery. 1,484,103; Feb. 19.
Young, Daniel, Brooklyn, N. Y., assignor to Young Inventions, Inc. Hosiery. 1,484,104; Feb. 19.
Young, Daniel, Brooklyn, N. Y., assignor to Young Inventions, Inc. Hosiery. 1,484,105; Feb. 19.
Young Inventions, Inc. (See Young, Daniel, assignor.)
Young, John R., Akron, Ohio. Wheel. 1,484,106; Feb. 19.
Youngblood, Orion, Boonville, Ind. Seed-hulling device. 1,483,963; Feb. 19.
Zabel, Bertha, executrix. (See Zabel, William.)
Zabel, William, deceased, by B. Zabel, executrix, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 1,484,048; Feb. 19.
Zaikoski, Bernard, New York, N. Y. Starting mechanism for internal-combustion engines. 1,484,284; Feb. 19.
Zander, John, Chicago, assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas-burning apparatus. 1,484,107; Feb. 19.
Ziegler, Leonard, Nutley, N. J. Spark indicator. 1,484,246; Feb. 19.
Zimmer, Otto. (See Lounsbury, E. D., and Zimmer.)
Zimmerman, Arthur, Waterbury, Conn. Nipple-attaching device. 1,484,050; Feb. 19.
Zimmerman, Harry C., Washington, D. C. Gun carriage. 1,483,921; Feb. 19.
Zoltowski, Antoni, Newark, N. J. Cap lock. 1,484,108; Feb. 19.
Zworykin, Vladimir K., Kansas City, Mo. Electric high-frequency signaling apparatus. 1,484,049; Feb. 19.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator. E. B. Quackenbess and J. A. Neale. 1,483,952; Feb. 19.
Acetylene burner. C. J. Clefton. 1,483,928; Feb. 19.
Acetylene generator. P. F. Killian. 1,484,506; Feb. 19.
Acetylene generator. R. R. Ligot. 1,483,898; Feb. 19.
Adding machine. F. Rauchwetter. 1,484,237; Feb. 19.
Advertising novelty. W. S. Kellner. 1,484,177; Feb. 19.
Aircraft, Means for spinning up gyroscopes on. E. A. Sperry. 1,483,992; Feb. 19.
Air motor. P. K. Ruckel. 1,484,414; Feb. 19.
Air preheater. H. E. Beede. 1,484,463; Feb. 19.
Alarm: *See*—
Doorknob alarm.
Alkyl compounds, Manufacture of. W. Bader. 1,484,249; Feb. 19.
Amalgamator. C. Meyer and H. B. Meade. 1,483,982; Feb. 19.
Anchoring device. A. Dinklage. 1,484,209; Feb. 19.
Angle gauge, Optician's. W. R. Uhlemann. 1,484,365; Feb. 19.
Antiskid device. F. Haller. 1,484,392; Feb. 19.
Apparel, Clip for attaching articles of wearing. T. B. Allitt. 1,484,382; Feb. 19.
Applying apparatus. J. W. Cosgrove. 1,483,967; Feb. 19.
Auger, bit, or drill. H. Izard. 1,484,352; Feb. 19.
Auto bumper. M. Schwartz. 1,483,913; Feb. 19.
Automobile brake. J. W. Bailey. 1,484,316; Feb. 19.
Automobile bumper. W. R. McGowen. 1,484,035; Feb. 19.
Automobile curtain. H. T. Thomas. 1,484,095; Feb. 19.
Automobile hoods, Antirattler for. H. G. Jorgensen. 1,483,940; Feb. 19.
Automobile radiator cover. F. S. Tyson. 1,484,199; Feb. 19.
Automobile signal. E. T. Gibson. Des. 64,002; Feb. 19.
Automobile theft preventive. A. Manuel. 1,484,181; Feb. 19.
Automobiles and other self-propelled vehicles, Water transport or ferry for. W. F. Beatty. 1,484,109; Feb. 19.
Automobiles, Apparatus for use in washing. S. J. Memmen. 1,484,071; Feb. 19.
Automobiles, Automatic motion recorder for. G. B. Frazer. 1,484,125; Feb. 19.
Automobiles, Clutch-pedal mechanism for. M. A. Holtzbauer. 1,484,266; Feb. 19.
Automobiles, Glare shield for. A. C. Carson. 1,484,551; Feb. 19.
Automobiles, Running board for. O. C. B. Koehn. 1,483,945; Feb. 19.
Automobiles, Safety fender for. O. E. Jones. 1,484,333; Feb. 19.
Bacterial antibodies, Product and process for the recovery of. J. Reichel and F. M. Huntoon. 1,484,038; Feb. 19.
Bag: *See*—
Carrying bag. Paper bag.
Bag frame. H. Tueckmantel. 1,483,997; Feb. 19.
Bar: *See*—
Shaker bar.
Barometer, Aneroid. K. Bennewitz. 1,484,289; Feb. 19.
Barrel, Refrigerating. J. B. Wise. 1,484,314; Feb. 19.
Basket, Dish-holding. G. S. Blakeslee. 1,484,291; Feb. 19.
Baths, Fume generator for. A. H. Moore. 1,484,072; Feb. 19.
Battery connection. M. H. Dunbar. 1,484,481; Feb. 19.
Batteries, Self-sealing pole for storage. W. A. MacKenzie. 1,484,309; Feb. 19.
Bearing material, Treating fiber-. N. K. Davis. 1,484,208; Feb. 19.
Bed brace. J. F. Stanley. 1,484,158; Feb. 19.
Bed, Chesterfield. C. O. Morlock and A. Nord. 1,484,337; Feb. 19.
Bed, Collapsible cot. M. Luery. 1,483,979; Feb. 19.
Belt, Casting-tackle. F. J. Kroha. 1,484,399; Feb. 19.
Bicycles, Luggage carrier for. H. S. Rector. 1,484,559; Feb. 19.
Billboard. E. Richardson. 1,484,561; Feb. 19.
Billet manipulator. L. Jones. 1,484,503; Feb. 19.
Binder, Loose-leaf. E. G. Alden. 1,483,862; Feb. 19.
Bit: *See*—
Drilling bit.
Blower attachment. W. O. Bickerstaff. 1,484,548; Feb. 19.
Board: *See*—
Ironing board.
Boards arranged edge to edge, Means of joining metal-sheathed. A. Elmendorf. 1,484,175; Feb. 19.
Boat. J. J. Otta. 1,484,075; Feb. 19.
Bobbin-winding machine, Automatic. L. Hallmler. 1,483,937; Feb. 19.
Boiler. C. H. Hook and A. W. Miller. 1,484,330; Feb. 19.
Boll-weevil eradicator. G. W. Mobley. 1,484,270; Feb. 19.
Bolster. E. O. Vebratten. 1,484,242; Feb. 19.
Bomb body. W. A. Borden and C. H. M. Roberts. 1,483,864; Feb. 19.
Bottle. I. B. Harkey. Des. 64,007; Feb. 19.
Bottle. G. M. Mas. Des. 64,022; Feb. 19.
Bottle. S. D. Pickett. Des. 64,029; Feb. 19.
Bottle. L. Trubek. 1,484,589; Feb. 19.
Bottle cap. G. P. Weigel. 1,484,099; Feb. 19.
Bottle cover, Milk-. C. W. Ecker. 1,484,483; Feb. 19.
Box: *See*—
Exhaust box. Vanity box.
Match box.
Box closure. B. C. Thomas. 1,484,586; Feb. 19.
Box or frame, Gill. J. W. Ryan. 1,484,567; Feb. 19.
Brace: *See*—
Bed brace.
Bracket: *See*—
Scaffold bracket.
Braiding machine. J. B. Hale. 1,484,128; Feb. 19.
Brake: *See*—
Automobile brake. Car brake.
Brake band. G. C. Beals. 1,484,462; Feb. 19.
Brake-beam fulcrum. F. Ditchfield. 1,484,323; Feb. 19.
Brake cylinder. H. B. MacFarland. 1,484,516; Feb. 19.
Brake-shoe mold. J. S. Thompson. 1,484,421–31; Feb. 19.
Brake-shoe mold. J. S. Thompson. 1,484,433–6; Feb. 19.
Brake shoes, Manufacture of. J. S. Thompson. 1,484,432; Feb. 19.
Brakes, Automatic safety lock for air. W. F. Crown. 1,484,475; Feb. 19.
Broom shield. J. R. Powell. 1,484,531; Feb. 19.
Brush, Fountain. M. Jacobs. 1,484,026; Feb. 19.
Brush, Sanitary bath. M. L. Goldberg. 1,484,215; Feb. 19.
Brush, Spiral fountain. M. Jacobs. 1,484,027; Feb. 19.
Buckle, Belt. J. T. Skilling. 1,484,416; Feb. 19.
Buckle frame, Belt. L. W. Shields. Des. 64,033; Feb. 19.
Bucksaw. E. and A. Bertas. 1,484,168; Feb. 19.
Building structure, Sheet-metal. B. Kerber. 1,484,398; Feb. 19.
Building unit. J. A. Birkholz. 1,484,206; Feb. 19.
Bumper construction. J. R. Plank. 1,484,157; Feb. 19.
Burner: *See*—
Acetylene burner. Oil burner.
Button toggle. L. S. Hapeman. 1,483,880; Feb. 19.
Cabinet, Towel. G. A. Steiner. 1,484,159; Feb. 19.
Cableway. M. H. Dickinson. 1,484,387; Feb. 19.
Calculating and recording machine and record sheet. S. H. Farnham and A. F. Poole. 1,484,123; Feb. 19.
Calculating machines, Transfer mechanism for. F. Rauchwetter. 1,484,236; Feb. 19.
Cameras and similar optical appliances, Finder for motion-picture. O. D. Tauern and N. Lyon. 1,484,584; Feb. 19.
Can: *See*—
Sheet-metal can.
Can-draining machine. E. L. Price. 1,483,951; Feb. 19.
Can-end liners, Apparatus for cutting and handling. C. W. Graham. 1,483,969; Feb. 19.
Can-topping machine. C. J. Hulten. 1,484,449; Feb. 19.
Can tops, Handle and fastener for. P. A. Connor. 1,484,062; Feb. 19.
Cap lock. A. Zoltowski. 1,484,108; Feb. 19.
Car brake. R. H. Minich. 1,483,907; Feb. 19.
Car, Coke-handling. L. Kipp. 1,483,893; Feb. 19.
Car door lock and seal. C. A. Arnold. 1,483,923; Feb. 19.
Car, Motor. H. E. Cross. 1,484,474; Feb. 19.
Cars, Crank holder for. M. Severson. 1,484,341; Feb. 19.
Carburetor. M. Skaer. 1,484,577; Feb. 19.
Cards, Pack of game. R. H. Riffert. 1,484,564; Feb. 19.
Carpet-strip anchorage. M. O. Kasson. 1,483,941; Feb. 19.
Carrier: *See*—
Watch carrier.
Carrying bag, Article-. E. A. Crawford. 1,484,553; Feb. 19.
Caster for furniture. A. C. Crimmel. 1,484,385; Feb. 19.
Casting machine. J. E. Wood. 1,484,544; Feb. 19.
Castings, Mold for making. J. S. Thompson. 1,484,439–40; Feb. 19.
Cell, Dry. H. de Olaneta. 1,484,173; Feb. 19.

Cellulose and alkylcellulose, Production of products containing. E. Berl. 1,484,004; Feb. 19.
Cement and the like, Production of. O. Dormann. 1,484,254; Feb. 19.
Cement surfaces, Treating gypsum. H. Gallinowsky. 1,483,875; Feb. 19.
Centrifugal machine. W. C. Coleman. 1,483,929; Feb. 19.
Ceramic body. J. F. Scheid. 1,484,569; Feb. 19.
Chair: *See*—
Folding chair. Swivel chair.
Revolving chair. Theater chair.
Check-guaranty certificate. C. B. Chadwick and J. R. MacPherson. 1,483,926; Feb. 19.
Check holder and cutter. C. T. Raschick. 1,483,910; Feb. 19.
Chopper: *See*—
Cotton chopper.
Chuck, Rotary magnetic. F. L. Simmons. 1,484,090; Feb. 19.
Cider mill. G. Bennett. 1,484,003; Feb. 19.
Circuit controller. W. Zabel. 1,484,048; Feb. 19.
Circuits, Means for indicating the integrity of. F. W. Wood. 1,483,962; Feb. 19.
Circuits, Substation. K. S. Johnson. 1,484,397; Feb. 19.
Clamp: *See*—
Drop clamp. Hood clamp.
Cleaner: *See*—
Fabric cleaner. Suction cleaner.
Cleaning and paint-removing apparatus. D. P. Cleveland. 1,484,470; Feb. 19.
Cleaning solvent. V. S. Allen. 1,484,167; Feb. 19.
Cleat remover. W. R. Kightlinger. 1,484,522; Feb. 19.
Clip: *See*—
Lath clip.
Clock case. J. S. Hartley. Des. 64,010; Feb. 19.
Clock-setting means, Electric. F. J. Seabolt. 1,484,041; Feb. 19.
Clutch. A. E. Norris. 1,483,948; Feb. 19.
Clutch device. C. A. Brink. 1,484,467; Feb. 19.
Clutch, Safety. F. E. Israel. 1,484,221; Feb. 19.
Coal, Continuous system for the treatment of. J. T. Fenton. 1,484,257; Feb. 19.
Coal, Intermittent system for treatment of. J. T. Fenton. 1,484,254; Feb. 19.
Coal jigger. E. J. Wagner. 1,483,958; Feb. 19.
Coal, Marking. G. W. E. Teague. 1,483,906; Feb. 19.
Coal, Treatment of. J. T. Fenton. 1,484,256; Feb. 19.
Code expressions, Apparatus for ciphering and deciphering. A. G. Damm. 1,484,477; Feb. 19.
Coffee pot. G. E. Curtiss. Des. 63,996; Feb. 19.
Coffee urn, Automatic repouring. J. V. Wells. 1,484,537; Feb. 19.
Coils, Making spiral. J. Price. 1,483,985; Feb. 19.
Coin holder. A. G. Teborg. 1,484,044; Feb. 19.
Collar. J. M. van Heusen. 1,484,590; Feb. 19.
Collars, Protective binding for. J. Schevenell. 1,484,570; Feb. 19.
Column-clamping mechanism. D. C. Klausmeyer. 1,484,450; Feb. 19.
Composition of matter. J. M. Wilson. 1,484,444; Feb. 19.
Computing device. W. S. Haimes. 1,484,176; Feb. 19.
Computing machine. C. E. Perry. 1,484,530; Feb. 19.
Cooling device. H. A. Carstens. 1,484,171; Feb. 19.
Concrete-handling apparatus. W. H. Insley and A. C. Rasmussen. 1,483,887; Feb. 19.
Concrete, Machine for distributing. E. H. Lichtenberg. Re15,768; Feb. 19.
Concrete-mixing machine. G. Jaeger. 1,484,028; Feb. 19.
Concrete pipes and the like, Joint for. D. Moir and H. Buchanan. 1,484,355; Feb. 19.
Concrete walls, Constructing. E. Flagg. 1,484,484; Feb. 19.
Confectionery. A. D. Fisher. 1,484,016; Feb. 19.
Confections, Container for frozen. C. O. Lund. 1,484,515; Feb. 19.
Connection, Flexible. J. Baker. 1,484,202; Feb. 19.
Container and match carrier, Combined. V. A. Brey. 1,484,006; Feb. 19.
Conveyer. D. L. Austin. 1,484,248; Feb. 19.
Conveyers, Braking mechanism for roller. J. Grossman. 1,483,971; Feb. 19.
Core. J. B. Davies. 1,484,299; Feb. 19.
Corn huskers, etc., Conveyer for the butt removers of. C. A. Hoy. 1,484,373; Feb. 19.
Cotton chopper. J. A. and J. C. Cary. 1,484,252; Feb. 19.
Coupling: *See*—
Train-pipe coupling.
Cover or article of similar nature, Table. J. G. Hardy. Des. 64,006; Feb. 19.
Crate. J. Hochman. 1,484,490; Feb. 19.
Crown caps, Device for reshaping. F. W. Doering. 1,484,388; Feb. 19.
Crushing mill, Dry-. O. A. Ellis. 1,483,933; Feb. 19.
Cuff protector. W. P. O'Neill and F. T. Gallagher. 1,484,187; Feb. 19.
Cultivator. M. Sand. 1,484,039; Feb. 19.
Cultivator, Tractor. A. J. Barnhart. 1,484,318; Feb. 19.
Curtain fastener. R. L. Benson. 1,484,464; Feb. 19.
Curtain stretcher. D. Solomon. 1,484,418; Feb. 19.
Cutter: *See*—
Fabric cutter. Pipe cutter.
Cutting machine. J. I. Grodin. 1,484,262; Feb. 19.
Cutting tool, Rotary. V. H. Peterson. 1,483,950; Feb. 19.
Cylinder lock. J. Croning. 1,484,473; Feb. 19.
Cylinders, Construction of internal-combustion-engine. V. B. Harley-Mason. 1,484,263; Feb. 19.
Cylinders, Construction of internal-combustion-engine. W. J. Still. 1,484,240; Feb. 19.
Decoration, Flexible relief. P. M. Heerwagen. 1,484,264; Feb. 19.
Demonstrating device. A. Waterman. 1,484,595; Feb. 19.
Dental plate, Upper. W. M. Stanbrough. 1,484,344; Feb. 19.
Dial plate, Instrument. F. G. Whittington. Des. 64,038–9; Feb. 19.
Dish or analogous article, Bonbon. H. E. Nock. Des. 64,027; Feb. 19.
Display stand or similar article. D. Klein. Des. 64,017; Feb. 19.
Door. C. Hedman. 1,484,024; Feb. 19.
Door construction, Barn-. G. Wilkes. 1,484,047; Feb. 19.
Doorcheck. P. Rissman. 1,483,912; Feb. 19.
Door, Grain. J. Mattson. 1,484,184; Feb. 19.
Doorknob alarm. H. M. L. James. 1,484,502; Feb. 19.
Doorlock. J. Hope, jr. 1,484,500; Feb. 19.
Door-locking system, Electric automatic. J. D. Schakel and J. Rice. 1,484,277; Feb. 19.
Door, Sliding. H. N. and E. M. May. 1,483,946; Feb. 19.
Door system, Train-. G. E. Oakley. 1,483,908; Feb. 19.
Doughnut machine. H. A. McClure and H. F. Huntley. 1,484,179; Feb. 19.
Drafting instrument. C. F. Golden. 1,483,935; Feb. 19.
Drill: *See*—
Rotary drill.
Drilling bit, Well-. J. D. Pace. 1,484,527; Feb. 19.
Drilling machine, Automatic depth-. E. J. Gould. 1,484,065; Feb. 19.
Drills, Feeding apparatus for hand or breast. D. Mook. 1,484,377; Feb. 19.
Drills, Throttle-valve lock for rock. G. M. Nell. 1,484,378; Feb. 19.
Drop clamp. A. Mamanovich. 1,484,307; Feb. 19.
Drumstick. B. Van Horn. 1,484,096; Feb. 19.
Drying apparatus, Electric. E. L. Emerson. 1,484,324; Feb. 19.
Dust and cinder trap. C. I. Lenig. 1,484,224; Feb. 19.
Dust, Apparatus for removing. R. C. Collins. 1,483,966; Feb. 19.
Dynamo plant, Prime-mover. C. E. Reddig. 1,484,412; Feb. 19.
Earth, sun, and moon, Device for indicating the relative movements of the. J. J. Divo. 1,484,174; Feb. 19.
Educational appliance. N. Y. Troidl. 1,483,916; Feb. 19.
Egg crate. J. R. Stothart and L. Bernstein. 1,484,581; Feb. 19.
Ejector apparatus. R. N. Ehrhart. 1,484,013; Feb. 19.
Ejector condensing apparatus. A. E. L. Scanes. 1,483,989; Feb. 19.
Electric iron. M. H. Shoenberg. 1,484,452; Feb. 19.
Electric socket plug. E. H. Polsten. 1,484,360; Feb. 19.
Electrical apparatus. L. A. M. Phelan. 1,484,156; Feb. 19.
Electrode for liquid resistances. R. F. von Brockdorff. 1,484,243; Feb. 19.
Electrode suspension device. O. E. Servis. 1,484,194; Feb. 19.
Electrolyte. C. O. Hoen. 1,483,885; Feb. 19.
Electromagnetic step-by-step switch with magnetic brake. H. W. Goff. 1,483,876; Feb. 19.
Elevator door. R. S. Peelle. 1,484,273; Feb. 19.
Elevator-door-locking device. J. D. Schakel. 1,484,278; Feb. 19.
Elevator-gate mechanism. W. A. Davis. 1,483,871; Feb. 19.
Elevator leg. J. J. Gutermann. 1,484,491; Feb. 19.
Engine: *See*—
Internal-combustion engine.
Engine. R. G. Fear. 1,484,212; Feb. 19.
Engine and operating the same, Internal-combustion. H. H. Elmer. 1,484,554; Feb. 19.
Engine cover. W. W. and C. H. Hull. 1,484,267; Feb. 19.
Engine-supporting structure, Motor-vehicle. A. T. Sturt. 1,484,582; Feb. 19.
Engine timer, Gas. J. M. Callahan. 1,484,060; Feb. 19.
Engines, Automatic control of internal-combustion. J. T. E. Hillhouse. 1,483,883; Feb. 19.
Engines, Carburetor for internal-combustion. C. Brown. 1,484,057; Feb. 19.
Engines, Circulating system for internal-combustion. P. H. Gaskins. 1,484,488; Feb. 19.
Engines, Crank case for internal-combustion. J. M. Tapley. 1,484,043; Feb. 19.
Engines, Cylinder construction of internal-combustion. O. Margetson. 1,484,226; Feb. 19.
Engines, Honing device for bores of internal-combustion. I. R. Kidwell. 1,484,353; Feb. 19.
Engines, Operating mechanism for the commutaters of automobile. H. G. Crittenden. 1,483,870; Feb. 19.
Engines, Starting mechanism for internal-combustion. B. Zajkoski. 1,484,284; Feb. 19.
Engines, Valve-operating mechanism for. E. H. Belden. 1,484,320; Feb. 19.
Envelope, Safety-seal. J. Piccirilli. 1,484,359; Feb. 19.

Eraser, Pencil. N. T. Trygge. 1,483,957; Feb. 19.
Exhaust box. G. W. Fowle and F. F. Feldmann. 1,484,259; Feb. 19.
Expansible collapsible element. H. C. Mallory. 1,484,140–1; Feb. 19.
Eye guard. E. H. Smille. 1,484,042; Feb. 19.
Fabric: *See*—
Textile fabric.
Fabric cutter. F. S. Weniger. 1,484,598; Feb. 19.
Fabrics, Machine for stretching and drying tubular. S. Cohn. 1,484,552; Feb. 19.
Fabrics, Making ornamental pile. J. S. Boyd. 1,484,293; Feb. 19.
Fan. E. F. Beugler. 1,484,055; Feb. 19.
Fan, Centrifugal. J. A. Watkins. 1,484,597; Feb. 19.
Fan wheel and making the same. F. R. Still. 1,484,579; Feb. 19.
Fare register and detachable fare box. H. J. Baur. 1,484,052; Feb. 19.
Fastener, Separable. L. W. Gates. 1,484,214; Feb. 19.
Faucet. J. F. Reardon. 1,484,079; Feb. 19.
Fender: *See*—
Vehicle fender.
Filing rack. Z. Auerbach. 1,484,201; Feb. 19.
Finger ring. B. F. Brogan. Des. 63,993; Feb. 19.
Finger ring. E. E. Bross. Des. 63,994; Feb. 19.
Fire extinguisher. D. W. Patterson. 1,484,529; Feb. 19.
Fire kindler. C. T. Garrett. 1,484,302; Feb. 19.
Firearm, Automatic. G. Vinçon. 1,484,163; Feb. 19.
Firearms, Sight base for. L. C. Booth. 1,483,925; Feb. 19.
Firedog or andiron. C. O. Alford. 1,484,368; Feb. 19.
Fireplace heater. H. P. Jensen. 1,484,305; Feb. 19.
Fixture-hanging device. G. R. Ainsworth. 1,484,001; Feb. 19.
Flag, Switchman's. F. Frear. 1,484,485; Feb. 19.
Flanged pipe or hose connection. M. J. Hekking. 1,484,216; Feb. 19.
Floor or paving for tennis courts and other purposes. H. G. Lloyd. 1,484,514; Feb. 19.
Flowerpot holder. J. Miller. 1,484,403; Feb. 19.
Flue and chimney Combined ventilating. A. H. Heimbach. 1,484,328; Feb. 19.
Fluid containers, Tap for. H. L. Abramovitz. 1,483,964; Feb. 19.
Fluid-pressure apparatus, Means for controlling motion in. J. G. A. Kitchen. 1,484,030; Feb. 19.
Flycatcher. C. Andreucci. 1,484,369; Feb. 19.
Foldable box or container. V. Sakelaropoulos. Des. 64,032; Feb. 19.
Folding chair. S. V. D. Stirling. 1,484,419; Feb. 19.
Folding machine. L. M. Kohn. 1,484,507; Feb. 19.
Football helmet. H. R. Hart. 1,483,881; Feb. 19.
Footstool. B. Sansom. 1,484,040; Feb. 19.
Fountain or trough, Drinking. O. A. Thrasher. 1,484,160; Feb. 19.
Frame: *See*—
Bag frame. Plate frame.
Furnace-door frame.
Fruit and the like, Apparatus for treating. H. C. Ricketts. 1,484,562; Feb. 19.
Fruit picker. F. M. Tompkins. 1,484,241; Feb. 19.
Fuel-consumption indicator and cylinder primer. G. W. Marsh. 1,484,144; Feb. 19.
Funnel. H. L. Mullen. 1,484,357; Feb. 19.
Furnace. A. J. Grindle. 1,484,019; Feb. 19.
Furnace-door frame. P. J. Keenan. 1,483,978; Feb. 19.
Fuse and method, Electrical. H. E. Trent. 1,484,198; Feb. 19.
Fuse plug, Multiple-. P. B. Weiler. 1,484,443; Feb. 19.
Fuse, Renewable. L. B. Buchanan. 1,484,058; Feb. 19.
Games, Combined case and rack for. M. M. Cowen. 1,484,472; Feb. 19.
Garments on hangers, Means for holding. F. M. Rauch and W. J. Brooks. 1,484,534; Feb. 19.
Gas-burning apparatus. J. Zander. 1,484,107; Feb. 19.
Gas-cleaning apparatus. G. P. Pilling. 1,484,078; Feb. 19.
Gas, Producing. C. Lundin. 1,484,225; Feb. 19.
Gate-operating mechanism. J. R. Clark. 1,484,927; Feb. 19.
Gauge: *See*—
Angle gauge. Printing-press gauge.
Pressure gauge. Tank gauge.
Gear and pinion and generating the same, Intermeshing. C. H. Logue. 1,483,899; Feb. 19.
Gear friction-plate holder, Draft-. J. M. Waugh. 1,484,096; Feb. 19.
Gears, Lock for differential. G. Boydelatour. 1,484,466; Feb. 19.
Generator: *See*—
Acetylene generator.
Oxyhydrogen steam generator.
Glass cylinders, Manufacture of. C. S. Robb. 1,484,339; Feb. 19.
Glass-drawing device. W. Westbury. 1,484,101; Feb. 19.
Glass, Producing formed charges of molten. J. F. Rale. 1,484,055; Feb. 19.
Glassware, Smoothing machine for. F. L. Hitchcock. 1,483,884; Feb. 19.
Glazing and decorating, Method of and apparatus for. C. Dressler. 1,484,116; Feb. 19.
Golf courses, Tee plate for. C. Erickson and R. Taylor. 1,484,064; Feb. 19.
Golf, Instruction chart for playing. E. D. Gibbs and T. E. Wiederseim. 1,484,390; Feb. 19.
Governor. F. L. Massey. 1,484,145; Feb. 19.
Grading machine. M. Hofer. 1,484,025; Feb. 19.
Grate. O. W. Petersen. 1,483,909; Feb. 19.
Grease container and gun therefor. W. B. Hopkins. 1,484,331; Feb. 19.
Grease-dispensing device. J. H. Montgomery. 1,484,356; Feb. 19.
Grill, Camp. T. B. Currie. 1,484,476; Feb. 19.
Grinder, Wood. W. Thaler. 1,484,585; Feb. 19.
Guide. W. R. Bull. 1,483,867; Feb. 19.
Gun carriage. H. G. Zimmerman. 1,483,921; Feb. 19.
Guns, Turret mount for automatic. H. M. Rockwell. 1,483,987; Feb. 19.
Hair-dressing device. W. H. Sammons. 1,483,968; Feb. 19.
Hammer, Mechanical. R. Goldsmidt. 1,484,490; Feb. 19.
Handle: *See*—
Multiple-speed handle.
Hanger insert. W. Bayley. 1,484,053; Feb. 19.
Harp. W. B. Stoughton. Des. 64,084; Feb. 19.
Harness, Combined snap and buckle for. J. H. Latham. 1,484,557; Feb. 19.
Hats, Method of and apparatus for finishing straw. O. Wiedeman. 1,484,285; Feb. 19.
Hay pusher. A. A. Risser. 1,483,986; Feb. 19.
Hayrack and wagon-box lifter. H. Folkers. 1,484,389; Feb. 19.
Haystacker. J. O. Allstott. 1,484,457; Feb. 19.
Headlight. E. C. Searle. 1,484,571; Feb. 19.
Headlight, Dirigible. R. Webster. 1,484,442; Feb. 19.
Headlight, Movable. E. H. Snead. 1,484,417; Feb. 19.
Headlight shield, Automobile. W. Games. 1,484,486; Feb. 19.
Heater: *See*—
Fireplace heater. Liquid heater.
Heater. R. C. Pauly and G. F. Ilgen. 1,484,152; Feb. 19.
Heating device. R. Graves. 1,483,970; Feb. 19.
Heating device, Brooder-. M. Tateoka. 1,484,583; Feb. 19.
Hinge. H. W. Corning. 1,484,009; Feb. 19.
Hinge. W. J. Edwards. 1,484,372; Feb. 19.
Hinge. J. Soss. 1,484,093; Feb. 19.
Hinge. A. W. Way. 1,484,536; Feb. 19.
Hinge, Butt. F. A. Myers. 1,484,610; Feb. 19.
Hinge butts, Manufacturing. J. Soss. 1,484,343; Feb. 19.
Hoisting mechanism. N. T. Harrington. 1,483,936; Feb. 19.
Hoisting mechanism controlling means, Power shovel. C. A. Weber. 1,484,245; Feb. 19.
Hood clamp. E. Nolan. 1,484,074; Feb. 19.
Hook: *See*—
Lifting hook.
Hopper, Self-agitating. W. H. Whitaker. 1,484,599; Feb. 19.
Horn- Cam-actuated diaphragm. S. W. Rushmore. 1,484,276; Feb. 19.
Hose connecter, Gas-iron. H. A. Paquette. 1,484,528; Feb. 19.
Hose supporter. F. L. Langhammer. 1,483,896; Feb. 19.
Hosiery. D. Young. 1,484,103–5; Feb. 19.
Hosiery, Counting. M. L. Victorius. 1,484,097; Feb. 19.
House, Collapsible. J. L. Meadows. 1,484,518; Feb. 19.
Hub, Wheel. C. S. Ash. 1,483,863; Feb. 19.
Hydraulic jack. J. B. Hird and J. B. Hird, jr. 1,484,265; Feb. 19.
Hydrocarbons, Obtaining products from chlorinated. H. A. Gardner. 1,484,018; Feb. 19.
Hydrocarbons, Treating. C. P. Dubbs. 1,484,445; Feb. 19.
Hydrocarbons, Treating. S. L. Gartlan. 1,484,612; Feb. 19.
Hydroglider. F. Dumond and C. Galvin. 1,483,931; Feb. 19.
Hygrometer. A. Hermann and C. A. Mensel. 1,484,129; Feb. 19.
Ice cream cabinet for brick or cake. W. F. Beatty. 1,484,110; Feb. 19.
Ice-cream disher, Measuring. G. E. Holmes and F. W. Grant. 1,483,938; Feb. 19.
Ignition system. J. H. Hunt. 1,484,608; Feb. 19.
Index tab. J. E. Blaine, jr. 1,484,611; Feb. 19.
Indicator: *See*—
Spark indicator.
Ingot mold and casting, Inverted horisontal. J. E. Perry. 1,484,076; Feb. 19.
Ingots, Mold and method of casting steel. R. G. Coates. 1,484,112; Feb. 19.
Inlaying machine. A. H. Karr. 1,483,880; Feb. 19.
Insignia-attaching mechanism, Shoulder-patch-. C. R. Welsh. 1,484,313; Feb. 19.
Insole, Arch-supporting. L. Q. Wilson. 1,484,165; Feb. 19.
Insulator. A. O. Austin. 1,484,051; Feb. 19.
Insulator, Strain. H. B. Gear. 1,484,447; Feb. 19.
Insurance, Device for use in issuing premium. G. E. Dickson. 1,484,068; Feb. 19.
Interfolding machine. D. W. Hudson. 1,484,069; Feb. 19.
Internal-combustion engine. K. F. Ellegard. 1,484,255; Feb. 19.

Internal-combustion engine. E. Lanserotti-Spina. 1,484,376; Feb. 19.
Internal-combustion engine. W. W. McElrath, jr. Re-15,769; Feb. 19.
Internal-combustion engine, Rotary. H. B. Foster and J. G. Furstenberg. 1,484,124; Feb. 19.
Invoice, Sheet. D. N. Conklin. 1,483,869; Feb. 19.
Iron: *See*—
Electric iron.
Iron in permanent iron molds, Casting of. D. W. Candler. 1,484,297; Feb. 19.
Iron or steel, Treating molten cast. J. R. Billings. 1,484,465; Feb. 19.
Ironing board. M. Variand. 1,484,592; Feb. 19.
Ironing machine. J. F. Patton and J. E. McAllister. 1,483,949; Feb. 19.
Irrigating systems, Discharge member for use in. N. P. Shulin. 1,484,575; Feb. 19.
Jack: *See*—
Hydraulic jack.
Jet mechanism. G. Stoelting. 1,484,345; Feb. 19.
Joint: *See*—
Rail joint.
Joints, Means for lubricating incased universal. A. G. Bowen. 1,483,865; Feb. 19.
Joints, Method and machine for making step. B. Wolhaupter. 1,484,541; Feb. 19.
Key ring. J. B. Quigley. 1,484,532; Feb. 10.
Key-ring holder. F. A. Lasserre. 1,484,508; Feb. 19.
Kiln, Continuous tunnel. C. Dressler. 1,484,118; Feb. 10.
Knife, Razor-blade. C. P. Wetmore. 1,484,538; Feb. 19.
Knitting machine. M. C. Miller. 1,483,904; Feb. 19.
Knitting-machine needles, Assembling the parts of. C. O. Orne. 1,484,149; Feb. 19.
Knitting machine, Warp-. A. Serra. 1,484,381; Feb. 19.
Label holder. W. Griesbach. 1,484,261; Feb. 19.
Labels to spools or other articles, Means for attaching. W. A. Prentiss. 1,484,234; Feb. 19.
Lady's bag. H. Baron. Des. 63,991; Feb. 19.
Laminated structures, Apparatus and method of making. F. V. Tischer. 1,484,311; Feb. 19.
Lamp. C. E. Godley. 1,483,934; Feb. 19.
Lamp for automobiles, Trouble. W. M. Anderson. 1,484,458; Feb. 19.
Lamp shade and stand, Combined. R. W. Thompson. Des. 64,035; Feb. 19.
Lamp-shade support. F. J. Lieske. 1,484,268; Feb. 19.
Lamp sockets, Expansion plug for. A. C. Carson. 1,484,550; Feb. 19.
Lamp, Vehicle. W. D. Ryan. 1,484,309; Feb. 19.
Lamp wrappers and the like, Machine for making. B. Heinrichs. 1,484,066; Feb. 19.
Last jacks, Sole-positioning device for shoe-. F. Chateauneuf. 1,484,322; Feb. 19.
Latches, Handle-attaching means for door. L. Ottinger. 1,484,406; Feb. 19.
Latches, Operating means for automobile-door. F. Kleinsmith. 1,484,051; Feb. 19.
Lath clip, Metal. H. M. Naugle. 1,484,524; Feb. 19.
Lathe, Wood-turning. G. Alber. 1,484,286; Feb. 19.
Laundry machines, Driving mechanism for. L. W. Mammen. 1,484,142; Feb. 19.
Lead compound and forming the same. J. W. Schumacher. 1,484,088; Feb. 19.
Leers, Charging door for. E. E. Milner. 1,484,521; Feb. 19.
Lenses, Making toric. L. W. Bugbee. 1,483,866; Feb. 19.
Lifting hook. W. L. Hatherley. 1,484,495; Feb. 19.
Light: *See*—
Portable light.
Light-control switch. W. J. Spiro. 1,484,289; Feb. 19.
Light diffuser. A. E. Leaver. 1,484,138; Feb. 19.
Light fixture, Electric-. P. I. Elias and M. A. Elias, 2d. 1,484,300; Feb. 19.
Light, Production of. F. H. Bailey. 1,484,287; Feb. 19.
Lighter. M. H. Shoenberg. 1,484,453; Feb. 19.
Lighting and heating unit, Combined. M. H. Shoenberg. 1,484,454; Feb. 19.
Lighting fixture. F. W. Wakefield. 1,484,441; Feb. 19.
Lighting-fixture arm. E. A. Walker. Des. 64,036; Feb. 19.
Lighting-fixture plate. L. R. Wellman. Des. 64,037; Feb. 19.
Lighting-fixture tassel. J. Miller. Des. 64,024; Feb. 19.
Lighting fixtures, Mounting device for. J. K. Riddle. 1,484,275; Feb. 19.
Liquid containers, Vent for. V. Clifford. 1,483,868; Feb. 19.
Liquid-dispensing system. E. Crouse. 1,484,010; Feb. 19.
Liquid heater of the electrically-controlled type. B. W. Macy. 1,484,517; Feb. 19.
Liquid receptacles, Cap for. L. B. Rainey. 1,483,953; Feb. 19.
Liquids from solids, Apparatus for separating. J. Avrutik. 1,484,002; Feb. 19.
Liquids, Solidification of organic. A. B. Ray. 1,484,190; Feb. 19.
Lithography, photoengraving, etc., Making color plates for use in. E. D. Lounsbury and O. Zimmer. 1,484,400; Feb. 19.
Lock: *See*—
Cap lock. Permutation lock.
Cylinder lock. Transmission lock.
Nut lock.
Loom stop, Automatic. J. K. Haydock. 1,484,496; Feb. 19.
Looms, Weft tension-holding device for. A. G. Hannah. 1,483,879; Feb. 19.
Looms, Wire motion for. G. H. Chalk. 1,484,008; Feb. 19.
Lubricating device. J. W. Grantland. 1,484,391; Feb. 19.
Lubricating system. J. H. Hunt. 1,484,607; Feb. 19.
Lubricator. G. P. Simmons. 1,484,576; Feb. 19.
Luggage carrier. W. G. Dunn. 1,484,482; Feb. 19.
Luminous device. W. H. Dey. 1,483,873; Feb. 19.
Mail-marking machine. P. A. Järve. 1,484,375; Feb. 19.
Mat or similar article, Table. W. Gelb. Des. 64,000; Feb. 19.
Match box, Windproof. A. Konshin. 1,484,032; Feb. 19.
Measuring apparatus, Well-. R. G. Mason. 1,484,036; Feb. 19.
Measuring instrument, Angle-. W. R. Uhlemann. 1,484,364; Feb. 19.
Measuring instrument, Optician's. W. R. Uhlemann. 1,484,366; Feb. 19.
Meat compressor. A. Rispel and L. C. Liedtke. 1,483,911; Feb. 19.
Metal articles, Machine for making. H. S. Webber. 1,484,282; Feb. 19.
Metal structural member. W. E. Mast. 1,484,070; Feb. 19.
Microphone transmitter. H. G. Leach. 1,484,509; Feb. 19.
Mill: *See*—
Cider mill. Pulverizer mill.
Crushing mill.
Mirror or similar article, Hand. J. H. Harmstone. Des. 64,008; Feb. 19.
Mirror, Rear-view. W. P. Hammond. 1,484,021; Feb. 19.
Mixing chambers, Attachment for. J. H. Ahlers. 1,484,247; Feb. 19.
Mixing device. W. E. Graham. 1,484,326; Feb. 19.
Mixing device. E. Raba. 1,484,235; Feb. 19.
Moccasin. D. B. Abbott. 1,484,285; Feb. 19.
Mold: *See*—
Brake-shoe mold.
Mold. J. J. Plessman. 1,484,233; Feb. 19.
Mold. J. S. Thompson. 1,484,437–8; Feb. 19.
Molding machine. J. J. Plessman. 1,484,232; Feb. 19.
Moth-ball holder. R. J. Lewers. 1,484,510; Feb. 19.
Motor: *See*—
Air motor. Water-power motor.
Motors, Automatic starting device for. L. M. Williams and C. J. Jewett. 1,484,539; Feb. 19.
Movement-controlling device. P. R. Finch. 1,484,213; Feb. 19.
Movement regulator, Graduated-. M. O. Snediker. 1,484,092; Feb. 19.
Mowers, Grass catcher for lawn. F. L. Rohrbach. 1,484,084; Feb. 19.
Muffler. M. J. O'Connor. 1,484,526; Feb. 19.
Multiple-speed handle. M. D. Riker. 1,484,565; Feb. 19.
Music-leaf holder and turner, Combined. M. Niemi. 1,484,308; Feb. 19.
Musical instrument. P. S. Olt. 1,484,148; Feb. 19.
Necktie holder. D. W. McLean. 1,484,354; Feb. 19.
Nipple-attaching device. A. Zimmerman. 1,484,050; Feb. 19.
Nut-cracking machine, Centrifugal. M. Riddle. 1,484,563; Feb. 19.
Nut lock. F. L. Bixby, T. R. Gibson, and E. W. Cheney. 1,483,924; Feb. 19.
Odometer. E. R. Huntley. 1,484,501; Feb. 19.
Oil burner. L. B. Chadwick. 1,484,172; Feb. 19.
Oils and similar substances, Conversion of hydrocarbon. V. L. Emerson. 1,484,014; Feb. 19.
Oils, Continuous method of cracking hydrocarbon. E. O. Linton. 1,484,513; Feb. 19.
Ordnance, Level-correction device for. A. L. Perham. 1,484,274; Feb. 19.
Ores, Recovering metals from their. H. V. Welch. 1,483,999; Feb. 19.
Oscillations, Method and arrangement for producing non-damped. E. Mayer. 1,484,269; Feb. 19.
Packing, Piston. F. E. Small. 1,484,578; Feb. 19.
Paintbrush. J. K. Northrup. 1,484,230; Feb. 19.
Paper and pencil holder, Combined. P. A. Brouillette and A. R. Beck. 1,484,321; Feb. 19.
Paper bag, Square-bottom. D. Appel. 1,484,383; Feb. 19.
Paper, Cutting and coiling crêpe. F. P. Hildebrandt. 1,484,498; Feb. 19.
Paper-making machine. E. J. Wilson and E. A. Rees. 1,483,961; Feb. 19.
Paper sheets or the like, Finger ring for handling. M. A. Givens. 1,484,469; Feb. 19.
Pastry-cone machine. C. F. Betz. 1,484,204; Feb. 19.
Pastry cones, Method of and machine for making. C. F. Betz. 1,484,205; Feb. 19.
Pattern-copying machine. L. B. Whipple. 1,483,960; Feb. 19.
Pears, Machine for peeling and cutting. N. Felisianetti. 1,484,446; Feb. 19.
Pencil. L. T. McNary. 1,484,180; Feb. 19.
Pencil holder. F. Bayer. 1,484,461; Feb. 19.
Pencil, Lead. E. F. Pierce. 1,484,077; Feb. 19.
Perch and lice trap, Poultry. J. F. Breckenridge. 1,484,169; Feb. 19.
Permutation lock. F. W. Sprowles and W. C. Faunce. 1,483,993; Feb. 19.

Photographic reproduction, Multiple-step process of. R. John. 1,484,069; Feb. 19.
Picker: *See*—
Fruit picker.
Picture apparatus, Motion-. A. C. Roebuck. 1,484,083; Feb. 19.
Picture films, Rewinding machine for moving-. W. B. Aspley. 1,484,245; Feb. 19.
Picture machine, Motion-. C. Kiwul. 1,483,894; Feb. 19.
Picture machines, Film and film support for motion-. M. Keil. 1,483,942; Feb. 19.
Pile-cutting machines, Thread-holding means for. J. S. Boyd. 1,484,294; Feb. 19.
Pin cushion. B. F. Pierce. Des. 64,028; Feb. 19.
Pipe bender. L. Peto. 1,484,558; Feb. 19.
Pipe cutter. W. Hayter. 1,484,023; Feb. 19.
Pipe fitting. E. Kennedy. 1,483,891; Feb. 19.
Pipes, Clean-out device for. S. Brucelarie. 1,484,469; Feb. 19.
Pitcher or similar article. A. J. Flander. Des. 63,999; Feb. 19.
Planter. A. R. Wark. 1,484,244; Feb. 19.
Plastic substances, Apparatus for treating. S. Flood. 1,484,325; Feb. 19.
Plate frame. W. H. Dey. 1,483,874; Feb. 19.
Plate or similar article. W. Geib. Des. 64,001; Feb. 19.
Plug, Electric snap. G. A. Hansbrough. 1,484,492; Feb. 19.
Plug, Separable attachment. W. H. Harrington. 1,484,494; Feb. 19.
Pockets, Locking device for. C. B. Erickson and C. J. Witt. 1,484,116; Feb. 19.
Porcelain, Method of and apparatus for bluing. C. Dressler. 1,484,117; Feb. 19.
Portable light. A. Hargot. 1,484,498; Feb. 19.
Potato loader. H. L. Hansen and A. H. Voss. 1,484,022; Feb. 19.
Potato-peeling machine. J. Szafranski. 1,484,094; Feb. 19.
Power-transmission device, Electrical. A. E. Doman. 1,484,479; Feb. 19.
Power-transmission mechanism. A. A. Densmore. 1,483,872; Feb. 19.
Power-transmission mechanism and lubricating means therefor. W. E. Bock. 1,484,384; Feb. 19.
Power transmitter. C. C. Cleland. 1,484,061; Feb. 19.
Preheater. P. Bataud. 1,484,296; Feb. 19.
Pressure-demonstrating apparatus. H. E. Brown. 1,484,111; Feb. 19.
Pressure gauge. F. H. Hopkins. 1,484,068; Feb. 19.
Pressure-translating device. A. F. Jenkins. 1,484,394; Feb. 19.
Printing. E. S. Savage. 1,484,568; Feb. 19.
Printing plates, Producing negatives from nontransparent originals for use in preparing. M. Ullmann. 1,483,346–7; Feb. 19.
Printing-press gauge. E. L. Megill. 1,483,981; Feb. 19.
Puller: *See*—
Wheel puller.
Pulley, Demountable-rim. J. Walters. 1,484,593; Feb. 19.
Pulverizer mill. H. R. Collins. 1,484,298; Feb. 19.
Pump, Air. A. Burnam. 1,484,549; Feb. 19.
Pump-coupling adapter. M. C. Schweinert. 1,484,342; Feb. 19.
Pump, Diaphragm. A. F. Ecks. 1,484,115; Feb. 19.
Pump, Fluid-lift. H. H. Gracey. 1,483,877; Feb. 19.
Pump, High-vacuum. G. F. Nelson. 1,484,147; Feb. 19.
Punch. W. T. Dee. 1,484,114; Feb. 19.
Rack: *See*—
Filing rack.
Radiator. H. D. Kellogg. Des. 64,016; Feb. 19.
Radiator-cap ornament. C. G. Koch. Des. 64,018; Feb. 19.
Radiator-fin-forming machine. M. Witte. 1,484,600; Feb. 19.
Radiator trap. A. F. Jenkins. 1,484,395; Feb. 19.
Radiodynamic receiving system. J. H. Hammond, jr. 1,484,805; Feb. 19.
Radio broadcasting equipment. F. M. Ryan. 1,484,087; Feb. 19.
Radio receiving apparatus. J. A. Proctor. 1,484,189; Feb. 19.
Radio receiving system. H. S. Read. 1,484,411; Feb. 19.
Razor-blade holder. L. E. Larson. 1,483,897; Feb. 19.
Rail anchor. A. Dinklage. 1,484,210; Feb. 19.
Rail anchor. C. F. Yardley. 1,484,102; Feb. 19.
Rail-joint construction. W. P. Thomson. Re15,773; Feb. 19.
Rail joint, Insulated. B. Wolhaupter and C. A. Disbrow. 1,484,543; Feb. 19.
Rail joints, Abrasion unit for. B. Wolhaupter. 1,484,542; Feb. 19.
Railway crossings, Guard for. F. J. Schlueter and M. Lozano. 1,484,279; Feb. 19.
Railway safe-running device. A. R. Angus. 1,484,349; Feb. 19.
Railway switch yards, Switching apparatus for. F. H. Rutherford. 1,484,086; Feb. 19.
Railway-traffic-controlling apparatus. R. A. McCann. 1,483,980; Feb. 19.
Reach rod and forming the same. A. C. Morse. 1,483,947; Feb. 19.
Reamer, Adjustable cylinder. R. P. Campbell. 1,484,307; Feb. 19.
Receptacle. J. A. Benedict. 1,484,288; Feb. 19.
Receptacle and lining therefor. G. B. Hanford. 1,484,606; Feb. 19.
Reflector, Showcase. L. Erikson. 1,484,211; Feb. 19.
Refrigerating apparatus. B. C. Smith. 1,484,091; Feb. 19.
Refrigerating machine. H. F. Schmidt. 1,483,900; Feb. 19.
Regulator: *See*—
Movement regulator.
Reversible wrench. A. O. Ringquist. 1,484,192; Feb. 19.
Revolving chair. C. A. Brown. 1,484,371; Feb. 19.
Rim, Demountable. J. E. Trojan. 1,484,588; Feb. 19.
Ring: *See*—
Key ring.
Ring. R. H. Jones. Des. 64,013–14; Feb. 19.
Riveter, Electric. C. J. Walker. 1,483,919; Feb. 19.
Riveting machine, Needle-latch-. J. A. Calder and W. H. Dayton. 1,484,478; Feb. 19.
Roadway, pavement, stairway, or the like and materials for the construction thereof. M. M. Deeman. 1,484,011; Feb. 19.
Roadways, Means for forming expansion joints in. H. R. Gundlach. 1,484,303; Feb. 19.
Rock and ore crushing mill. O. A. Ellis. 1,483,932; Feb. 19.
Rotary drill. F. Stone. 1,484,362; Feb. 19.
Sadiron, Electric. O. Spahr. 1,484,280; Feb. 19.
Safety device. R. W. Lightburn. 1,484,511; Feb. 19.
Salt box or the like. B. Longstreth. 1,484,139; Feb. 19.
Sausage casing and producing same. E. J. and B. J. Mumm. 1,484,523; Feb. 19.
Scaffold bracket. D. M. Martin. 1,484,227; Feb. 19.
Scaffolding. A. Donaggio. 1,484,480; Feb. 19.
Scales, Indicator line for cylindrical chart. G. M. Ludlow. 1,484,401; Feb. 19.
Scraper. S. Wolk. 1,484,166; Feb. 19.
Scraper, Road. N. W. Hicks. 1,484,497; Feb. 19.
Screw driver. A. E. Rainey. 1,484,379; Feb. 19.
Screw machine, Automatic. C. M. Chapman. 1,484,604; Feb. 19.
Scroll and fret work, Sanding device for. J. C. Mundell. 1,483,963; Feb. 19.
Seat: *See*—
Toilet seat.
Seat covers, Making. A. H. Lichter. 1,484,236; Feb. 19.
Sectional jar. I. M. Clarke. Des. 63,995; Feb. 19.
Seed-hulling device. O. Youngblood. 1,483,963; Feb. 19.
Sewing machine, Electric. M. Hemleb. 1,484,217; Feb. 19.
Sewing machines, Hook mechanism for lock-stitch. W. N. Parkes. 1,484,161; Feb. 19.
Sewing machines, Needle guard for. J. C. Ringe. 1,484,191; Feb. 19.
Shade support. E. C. Ruttenberg. Des. 64,031; Feb. 19.
Shaker bar. C. L. Meister. 1,484,519; Feb. 19.
Sheet-metal can. J. E. Sexton. 1,484,195; Feb. 19.
Shingle. W. F. Harvey. 1,483,882; Feb. 19.
Shipping tag. H. Van Stelten. 1,484,162; Feb. 19.
Shirt. P. M. Pamperin. 1,484,408; Feb. 19.
Shock absorber. J. C. Nichols and E. Ryder. 1,483,984; Feb. 19.
Shock absorber. G. A. Noetzel. 1,484,338; Feb. 19.
Shock absorber. W. C. Scott. 1,484,198; Feb. 19.
Shock absorber. H. B. Shaeffer. 1,484,572; Feb. 19.
Shoe last. J. F. Jonas. 1,484,600; Feb. 19.
Shoe sole. W. Melville. Des. 64,023; Feb. 19.
Shoes, Antislipping means for. J. N. Lagasse and M. L. Cummings. 1,484,173; Feb. 19.
Shovel-heating device. H. M. Hanson. 1,484,398; Feb. 19.
Sign, Outdoor. J. F. Quinn. Des. 64,030; Feb. 19.
Sign supporting and suspending means. V. L. Pistocco. 1,484,231; Feb. 19.
Signal: *See*—
Vehicle signal.
Signaling apparatus, Electric high-frequency. V. K. Zworykin. 1,484,049; Feb. 19.
Signaling device. E. L. Marley. 1,484,143; Feb. 19.
Signaling system. A. A. Oswold. 1,484,405; Feb. 19.
Sinks, Device for cleaning. L. L. Lightfoot. 1,484,512; Feb. 19.
Skate. H. S. Beals. 1,484,054; Feb. 19.
Slicing machine. E. A. Hand. 1,483,878; Feb. 19.
Snap fastener. W. H. Holt. 1,484,131; Feb. 19.
Snowplow. J. P. Runck. 1,484,380; Feb. 19.
Snow-removal device. J. B. Ghione. 1,484,555; Feb. 19.
Soap, Process and apparatus for shredding. S. B. Murdock. 1,484,271; Feb. 19.
Sole-molding machine. F. E. Bertrand. 1,483,965; Feb. 19.
Sorting machine. E. M. La Bolteaux. 1,484,187; Feb. 19.
Sound recording and reproducing instrument. W. E. Clifton and J. S. Ewart. 1,484,471; Feb. 19.
Sound-reproducing mechanism. S. C. H. Roberts. 1,484,540; Feb. 19.
Sound resonator. W. O. Brbes. 1,484,119; Feb. 19.
Spark indicator. L. Ziegler. 1,484,246; Feb. 19.
Spark plug. W. P. Kerrigan. 1,484,336; Feb. 19.
Spark plug. A. W. Ofeldt. 1,484,272; Feb. 19.
Spark plug. M. Van Slyke. 1,484,591; Feb. 19.
Spat. D. Karger. Des. 64,015; Feb. 19.

Speed compensating device for the control of differential and brake mechanism, Variable-. L. C. Welch. 1,483,959; Feb. 19.
Speed drive, Variable-. A. R. McCann. 1,483,901; Feb. 19.
Speed sensitive controlling device. R. F. Metcalfe. 1,484,185; Feb. 19.
Speed transmission, Change-. C. Stefani. 1,484,197; Feb. 19.
Spindle-body bolt and mounting therefor. D. S. Krohn. 1,484,033; Feb. 19.
Spinning frames, Top roll for. W. E. Wardwell. 1,484,045; Feb. 19.
Spiral casing, Composite. H. B. Taylor. 1,483,995; Feb. 19.
Spoon or similar article. G. P. Ittig. Des. 64,012; Feb. 19.
Sprayer. E. Flueso. 1,484,017; Feb. 19.
Spring wheel. F. Stiltzel. 1,484,580; Feb. 19.
Starting switch. C. H. Wellington. 1,484,046; Feb. 19.
Statuette. J. B. Harrington. Des. 64,009; Feb. 19.
Steam generator, Oxyhydrogen. E. E. Tucker. 1,483,917; Feb. 19.
Steering mechanism. E. H. Belden. 1,484,319; Feb. 19.
Steering posts and the like, Mounting for. A. F. Masury. 1,483,903; Feb. 19.
Stereoscope. A. Mutscheller. 1,484,404; Feb. 19.
Stock-feeding mechanism. C. M. Chapman. 1,484,602; Feb. 19.
Stone spreader. F. E. Arndt. 1,484,450; Feb. 19.
Stove, Electric. R. S. Cannon. 1,484,170; Feb. 19.
Strainer. J. R. Kinney. 1,483,892; Feb. 19.
Straps to wooden slats, Machine for nailing metal. G. Parks. 1,484,150; Feb. 19.
Stump-pulling apparatus. H. C. Bruns. 1,484,007; Feb. 19.
Sublimation, Apparatus for. H. D. Gibbs. 1,484,260; Feb. 19.
Substances, Means for damming up semisolid. J. E. Noeggerath. 1,484,525; Feb. 19.
Suction cleaner. H. E. Hoover. 1,483,972; Feb. 19.
Suitcase. H. D. Minich. 1,484,186; Feb. 19.
Sulphates, Process and apparatus for the continuous production of. L. E. M. Trevoux. 1,484,587; Feb. 19.
Sweeper, Suction. H. E. Hoover. 1,483,973–7; Feb. 19.
Switch: *See*—
Light-control switch. Time switch.
Starting switch.
Switch and fuse block, Combined. G. W. Hart. 1,484,448; Feb. 19.
Switch and plug, Interlocking device for electric. E. J. Brothers. 1,484,468; Feb. 19.
Swivel chair. G. B. Miles. 1,484,229; Feb. 19.
Syn-motor. H. I. Washburn. 1,484,312; Feb. 19.
Tag-marking machine. F. Kohnle. 1,484,136; Feb. 19.
Tank gauge. C. C. Ferguson. 1,483,968; Feb. 19.
Tap wrench and diestock. J. Hirst. 1,484,067; Feb. 19.
Telegraph system. G. C. Cummings. 1,484,386; Feb. 19.
Telephone-exchange system. A. E. Lundell. 1,483,900; Feb. 19.
Telephone key bases, Fastening for. H. T. Martin. 1,484,402; Feb. 19.
Telephone system. H. L. Falk. 1,484,122; Feb. 19.
Telephone system. K. S. Johnson. 1,484,396; Feb. 19.
Telephone system. C. W. Keckler. 1,484,134; Feb. 19.
Telephone system. J. F. Toomey. 1,483,956; Feb. 19.
Telephone system, Machine-switching. F. Aldendorff. 1,484,348; Feb. 19.
Telephone system with automatic ringing disconnect. F. Schoenwolf. Re15,774; Feb. 19.
Tent and sleeping bag, Combined. A. Söyland. 1,484,361; Feb. 19.
Textile fabric. M. I. Bixby. Des. 63,992; Feb. 19.
Textile fabric. J. S. Boyd. 1,484,292; Feb. 19.
Textile fabric. C. E. Lord. Des. 64,019–21; Feb. 19.
Textile fabric or similar article. E. I. Golding. Des. 64,003–5; Feb. 19.
Textile machines, Stop motion for. E. S. Hineline. 1,484,329; Feb. 19.
Theater chair. L. Roth. 1,484,566; Feb. 19.
Thrashing machines and clover hullers, Attachment for. W. E. Toler. 1,483,955; Feb. 19.
Ticket holder. A. Roberge. 1,484,413; Feb. 19.
Tie and rail fastener, Combined. F. G. Alford. 1,484,315; Feb. 19.
Tile and producing the same. E. Vincke. 1,484,200; Feb. 19.
Time switch, Electric. L. P. Kleuser. 1,484,135; Feb. 19.
Timer. E. Von Hambech. 1,484,556; Feb. 19.
Tire, Automobile. E. D. Newman. Des. 64,026; Feb. 19.
Tire-boot-building machine. C. W. Steele. 1,483,915; Feb. 19.
Tire-building machine. J. A. Ahlfors. 1,484,456; Feb. 19.
Tire chain. G. H. Waters. 1,484,596; Feb. 19.
Tire, Cushion. A. H. Ratterree. 1,484,037; Feb. 19.
Tire flaps, Method and apparatus for marking. A. O. Abbott, jr. 1,484,455; Feb. 19.
Tire tread. H. D. Mitchell. Des. 64,025; Feb. 19.
Tires, Air bag for use in the manufacture of pneumatic. J. F. Palmer. 1,484,407; Feb. 19.
Tires, Method and apparatus for manufacturing. W. C. Stevens. Re15,772; Feb. 19.
Toilet seat. W. D. Burk. 1,484,059; Feb. 19.
Tongs, Cinder. J. C. Wertz. 1,484,100; Feb. 19.
Tool holder. F. O. Jaques, jr. 1,484,332; Feb. 19.
Tool holder. H. Spencer. 1,484,310; Feb. 19.
Tool kit. O. T. Bekken. 1,484,547; Feb. 19.
Tooth paste. J. P. Shepherd. 1,484,415; Feb. 19.
Torpedo. A. T. Hall. 1,484,304; Feb. 19.
Toy, Fish. J. Margus. 1,484,182; Feb. 19.
Toy palette. J. Carmel. 1,484,613; Feb. 19.
Toy railway track. M. S. Dunkelberger. 1,484,012; Feb. 19.
Toy, Sounding. A. Barbar. 1,484,460; Feb. 19.
Tractors, Clutch-pedal lock for. E. R. Miller. 1,484,146; Feb. 19.
Train-pipe connecter, Automatic. J. V. Robinson. 1,484,082; Feb. 19.
Train-pipe coupling. J. V. Robinson. 1,484,081; Feb. 19.
Transformer, Oil-insulated. C. D. Ainsworth. 1,483,922; Feb. 19.
Translating device, Multiphase. K. R. Ihamuotila. 1,484,220; Feb. 19.
Transmission-band adjuster. O. E. Schnoebelen. 1,483,954; Feb. 19.
Transmission control. C. B. Funk. 1,484,301; Feb. 19.
Transmission-equalization arrangement. L. H. Darrow. 1,483,930; Feb. 19.
Transmission lock. R. Huff. 1,483,886; Feb. 19.
Trap: *See*—
Radiator trap. Vacuum trap.
Trap. J. A. Tubbs. 1,484,363; Feb. 19.
Tread-rest foot grip. A. C. Van Nuis. 1,483,918; Feb. 19.
Trestle. F. L. Wickham. 1,484,164; Feb. 19.
Tube fitting, Upset-. H. W. Bundy. 1,484,295; Feb. 19.
Tumbler. E. W. Heisey. Des. 64,011; Feb. 19.
Tunnels, Method of and means for erecting. J. F. O'Rourke. 1,484,188; Feb. 19.
Turbine plant provided with toothed gearing. F. Ljungström. 1,484,034; Feb. 19.
Turboblowers and other apparatus for delivering fluid under pressure or suction, Means for regulating. L. C. Kemp. 1,484,504; Feb. 19.
Turret mechanism. C. M. Chapman. 1,484,603; Feb. 19.
Typewriting and computing machine, Combined. C. M. Illisee. 1,484,218; Feb. 19.
Typewriting and computing machine, Combined. A. W. Steiger. 1,484,281; Feb. 19.
Typewriting machine. E. E. Barney. 1,484,203; Feb. 19.
Typewriting machine. E. E. Barney. 1,484,317; Feb. 19.
Typewriting machine. M. C. Crawley. 1,484,113; Feb. 19.
Typewriting machine J. B. Holden. 1,484,219; Feb. 19.
Typewriting machine. J. A. B. Smith. 1,483,914; Feb. 19.
Typewriting machine. J. A. B. Smith. 1,484,196; Feb. 19.
Umbrella. S. C. Vincent. 1,484,367; Feb. 19.
Undereave, Flexible. A. A. Griswold. 1,484,020; Feb. 19.
Underreamer. J. M. Kellerman. 1,483,944; Feb. 19.
Urinal flush. A. C. Jaeger. 1,483,939; Feb. 19.
Vacuum trap. K. Kiefer. 1,484,505; Feb. 19.
Valve. D. W. Slattery. 1,483,991; Feb. 19.
Valve actuator. R. H. Gaspard. 1,484,126; Feb. 19.
Valve, Blow-out. G. W. Keller. 1,483,943; Feb. 19.
Valve mechanism, Silencer for. F. J. Revor. 1,484,080; Feb. 19.
Valve or gas cock. F. W. Birtch. 1,484,290; Feb. 19.
Valve packing. C. M. Cusick. 1,484,350; Feb. 19.
Valve plunger, Hydraulic. S. J. Randall. 1,484,533; Feb. 19.
Valve, Restriction. F. B. Comins and J. Armstrong. 1,484,253; Feb. 19.
Valve, Reversible pump. G. E. R. Rothenbucher. 1,484,238; Feb. 19.
Valve-stem washer. L. C. Sharpe. 1,484,573; Feb. 19.
Valve, Thermostatic. H. C. Mallory. 1,483,902; Feb. 19.
Valve, Throttling. E. E. Richardson. Re15,770; Feb. 19.
Valve-truing machine. A. P. Kahl. 1,484,133; Feb. 19.
Valves, Cup for working. W. J. Walker. 1,483,998; Feb. 19.
Vanity box. P. Van Der Voort. 1,484,161; Feb. 19.
Vaporizer. J. S. Wight. 1,484,000; Feb. 19.
Vehicle fender. L. Grella. 1,484,351; Feb. 19.
Vehicle, Habitable camping. N. R. Moore. 1,484,522; Feb. 19.
Vehicle, Marine. O. S. Pridgen. 1,484,410; Feb. 19.
Vehicle signal. S. B. Shaw. 1,484,089; Feb. 19.
Vehicle spring mount. L. J. Genett. 1,484,127; Feb. 19.
Vehicle wheel. J. W. Shepard. 1,484,535; Feb. 19.
Vehicles, Dumping body for. J. P. Heil. 1,484,327; Feb. 19.
Vehicles, Locking device for motor. S. Reiser. 1,484,560; Feb. 19.
Violin bow. J. Stadniczek. 1,483,994; Feb. 19.
Visual effects in the air and apparatus therefor, Producing. J. C. Savage. Re15,771; Feb. 19.
Wagon-brake-operating means. W. S. Gander. 1,484,487; Feb. 19.
Wagons, End gate for dumping. O. A. Kelley. 1,483,890; Feb. 19.
Wall structure. C. L. Michod. 1,484,520; Feb. 19.
Walls, Surfacing. T. Kerner. 1,484,334; Feb. 19.
Warp beam. B. A. Peterson. 1,484,153–6; Feb. 19.

Washer: *See*—
Valve-stem washer.
Washing machine. N. Mastromarino. 1,484,183; Feb. 19.
Washing machine. H. Warburton. 1,484,594; Feb. 19.
Watch carrier. A. Ezekiel, S. Lubin, J. Warshner, and W. S. Neil. 1,484,121; Feb. 19.
Watch, Wrist. M. M. Suderov. 1,484,420; Feb. 19.
Water-closet bowl. A. Ek. Des. 63,998; Feb. 19.
Water column and water and fuel controller, Combination. H. O. Baker. 1,484,546; Feb. 19.
Water heater and switch, Electric. M. H. Shoenberg. 1,484,451; Feb. 19.
Water-power motor. J. V. Kranebeel. 1,483,895; Feb. 19.
Water purifier, Boiler-feed-. B. L. Morrison. 1,484,073; Feb. 19.
Water-tank cover or jacket, Hot-. F. W. Birtch. 1,484,056; Feb. 19.
Water-tube boiler, High-pressure. H. Witz. 1,484,540; Feb. 19.
Water wheel. J. L. Barnes. 1,484,250; Feb. 19.
Web-holder mechanism. M. C. Miller. 1,483,905; Feb. 19.
Weighing apparatus. F. H. Norton. 1,484,358; Feb. 19.
Weighing balance. J. Boekel. 1,484,005; Feb. 19.
Weighing mechanism. L. T. Johnson. 1,483,888; Feb. 19.
Well cleaner. R. E. Carmichael. 1,484,601; Feb. 19.
Wheel: *See*—
Spring wheel. Water wheel.
Vehicle wheel.
Wheel. J. B. Matteson. 1,484,228; Feb. 19.
Wheel. J. R. Young. 1,484,106; Feb. 19.
Wheel puller. C. R. Holstrom. 1,484,130; Feb. 19.
Wheels, Making pressed-steel. J. Ledwinka. 1,484,223; Feb. 19.
Window, Hinged. C. J. Wamser. 1,483,920; Feb. 19.
Windshield wiper. F. H. Brennan. 1,484,251; Feb. 19.
Wood, tile, or other building material, Composition substitute for. F. A. Bartlett. 1,484,370; Feb. 19.
Wood-treating plant. G. B. Shipley. 1,484,574; Feb. 19.
Wrapping and unwrapping machine. F. M. Pierce. 1,484,409; Feb. 19.
Wrapping machine. M. B. Ferguson. 1,484,015; Feb. 19.
Wrench: *See*—
Reversible wrench.
Wrench. J. H. Illig. 1,484,374; Feb. 19.
Wrench. C. M. Jones. 1,484,132; Feb. 19.
Wrench. W. F. Miller. 1,483,906; Feb. 19.
Wristband or similar article, Plate for a. A. N. Davis. Des. 63,997; Feb. 19.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 19, 1924.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Aagaard Distributing Corporation, Chicago, Ill. Electric irons and toasters. 180,477; Feb. 26.

Abraham & Straus, Inc., New York, N. Y. Phonographs. 180,401; Feb. 26; Serial No. 186,685; published Dec. 11, 1923.

Acme Apparatus Company, Cambridge, Mass. Transformers, condensers, amplifiers, etc. 180,464; Feb. 26.

Allegheny Steel Company, Brackenridge, Pa. Journal boxes and lids for railway cars and the like. 180,290; Feb. 26; Serial No. 169,795; published Dec. 11, 1923.

Allegheny Steel Company, Brackenridge, Pa. Steel and iron sheets and plates, ingot molds, etc. 180,380; Feb. 26; Serial No. 165,518; published Dec. 11, 1923.

American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned peppers. 180,473; Feb. 26.

American Laundry Machinery Company, The, Cincinnati, Ohio. Clothes-pressing machines. 180,251; Feb. 26; Serial No. 185,809; published Dec. 4, 1923.

American Shein & Foundry Company, Racine, Wis. Piano plates. 180,317; Feb. 26; Serial No. 186,464; published Dec. 11, 1923.

American Writing Machine Company, Ilion, N. Y., and Newark, N. J. Swinging shelf. 180,197; Feb. 26; Serial No. 183,956; published Dec. 4, 1923.

Anaheim Valencia Growers Ass'n, Anaheim, Calif. Fresh citrous fruits. 180,443; Feb. 26.

Anchor Serum Company, South St. Joseph, Mo. Anti-hog-cholera serum. 180,222; Feb. 26; Serial No. 184,053; published Nov. 27, 1923.

Anderson, M. V., & Company, Lewiston, Me. Perfumes, toilet water, sachet, etc. 180,323; Feb. 26; Serial No. 180,955; published Dec. 4, 1923.

Andron Hygienic Company, New York, N. Y. Soap cream for shaving. 180,385; Feb. 26; Serial No. 186,265; published Dec. 11, 1923.

Anheuser-Busch, Incorporated, St. Louis, Mo. Malt-sugar sirup. 180,378; Feb. 26; Serial No. 136,017; published Oct. 5, 1920.

Anheuser-Busch, Incorporated, St. Louis, Mo. Malt-sugar sirups for food purposes. 180,381; Feb. 26; Serial No. 136,016; published Oct. 5, 1920.

Antle, Paul, doing business as Mainette Company, St. Louis, Mo. Face powder, cold and vanishing cream, lip stick, etc. 180,413; Feb. 26; Serial No. 182,394; published Dec. 4, 1923.

Appleton Company, Lowell, Mass. Cotton piece goods. 180,398–400; Feb. 26; Serial No. 186,819–21; published Dec. 11, 1923.

Arcularius, Dr. Rudolf, doing business as Arcula, Chemische Fabrik, Rostock, Germany. Preparation for treatment of indigestion. 180,182; Feb. 26; Serial No. 175,697; published Dec. 4, 1923.

Armand Company, The, Des Moines, Iowa. Rouge. 180,284; Feb. 26; Serial No. 183,244; published Dec. 4, 1923.

Automatic Electrical Devices Company, The, Cincinnati, Ohio. Electrical rectifiers and rheostats. 180,209; Feb. 26; Serial No. 185,403; published Nov. 13, 1923.

Baby's Boudoir, Inc., Portland, Oreg. Dresses, gertrudes, nighties, bootees, etc., for infants. 180,442; Feb. 26.

Baker-Hansen Mfg. Co., Alameda, Calif. Air compressors. 180,430; Feb. 26.

Barnards, Schaller, Iowa. Pop-corn confection. 180,235; Feb 26; Serial No. 175,121; published Nov. 27, 1923.

Barton, H. H., and Son Co., Inc., Philadelphia, Pa. Abrasive papers or cloths. 180,294; Feb. 26; Serial No. 170,001; published Dec. 4, 1923.

Baskin Brothers, New York, N. Y. Finger rings, bar and scarf pins, earrings. 180,195; Feb. 26; Serial No. 184,230; published Nov. 20, 1923.

Baumgarten, Emanuel, doing business as Royal Velvet Products Company, Washington, D. C. Rubber-stamp pads and rubber-stamp-pad inks. 180,304; Feb. 26; Serial No. 167,223; published Nov. 20, 1923.

Beckert, Richard E., doing business as S. M. Spencer Mfg. Co., Boston, Mass. Stencil inks. 180,424; Feb. 26; Serial No. 183,134; published Dec. 11, 1923.

Behlen, H., & Bro., New York, N. Y. Ruling, edge, and marbling colors, and marbling sizes. 180,259; Feb. 26; Serial No. 185,285; published Dec. 11, 1923.

Bendiek, Sidney S., doing business as Trancilla Company, New York, N. Y. Transfer pattern for art needlework. 180,352; Feb. 26; Serial No. 165,265; published Dec. 26, 1922.

Better Times, Inc., New York, N. Y. Printed periodical. 180,289; Feb. 26; Serial No. 187,372; published Dec. 11, 1923.

Birchäel, Carl R., doing business as Easy-Go-Lax Relief Co., Maryville, Tenn. Cold tablets. 180,181; Feb. 26; Serial No. 167,377; published Nov. 27, 1923.

Bixby, S. M., & Co. Inc., Brooklyn and Buffalo, N. Y. Shoe polish and dressing. 180,396; Feb. 26; Serial No 187,083; published Dec. 4, 1923.

Blackburn Products Company, The, Dayton, Ohio. Medicine for rheumatism. 180,183; Feb. 26; Serial No. 181,473; published Nov. 27, 1923.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 180,390; Feb. 26; Serial No. 188,178; published Dec. 18, 1923.

Blue Ribbon Battery Company, Indianapolis, Ind. Electric storage batteries and parts thereof. 180,225; Feb. 26; Serial No. 179,652; published Nov. 20, 1923.

Blumenthal, Edwin M., doing business as E. M. Blumenthal & Co., Chicago, Ill. Bottle crowns. 180,206; Feb. 26; Serial No. 186,100; published Dec. 11, 1923.

Boll Weevil Destroyer Co., College Park, Ga. Insecticides. 180,214; Feb. 26; Serial No. 184,322; published Nov. 27, 1923.

Bonded Products Corporation, New York, N. Y. Cold cream. 180,184–6; Feb. 26; Serial Nos. 184,585–6; published Dec. 4, 1923.

Borgfeldt, George, & Co., New York, N. Y. Blankets and rugs. 180,315–16; Feb. 26; Serial Nos. 186,461–2; published Dec. 11, 1923.

Bowman, A. W., & Company, Cambridge, Mass. Wireless or radio telephones and wireless or radio telephone systems. 180,372; Feb. 26; Serial No. 153,563; published Mar. 28, 1922.

Boyce & Veeder Company, Inc., Long Island City, N. Y. Chemical preparation to be added to gasoline and petroleum products for the prevention and removal of carbon deposits. 180,418; Feb. 26; Serial No. 182,127; published Oct. 30, 1923.

Bristol & Barber Co., Inc., New York, N. Y. Phonographs. 180,364; Feb. 26; Serial No. 163,218; published Nov. 13, 1923.

Burnett, Joseph, Co., Boston, Mass. Flavoring extracts for foods. 180,366; Feb. 26; Serial No. 164,746; published Nov. 20, 1923.

Busch, J., New York, N. Y. Silver-plated knives, forks, and spoons. 180,467; Feb. 26.

Button, George W., Corporation, New York, N. Y. Perfumes, toilet waters, face powders, etc. 180,167; Feb. 26; Serial No. 184,424; published Nov. 27, 1923.

California Laboratories, Inc., Los Angeles, Calif. Flavoring extracts. 180,186; Feb. 26; Serial No. 184,588; published Dec. 11, 1923.

Campbell, John, & Co., New York, N. Y. Color-stripping or dye-removing compound. 180,160; Feb. 26; Serial No. 184,589; published Dec. 4, 1923.

Campbell, John, & Co., New York, N. Y. Color-stripping or dye-removing compound. 180,187; Feb. 26; Serial No. 184,580; published Dec. 4, 1923.

Canada Dry Ginger Ale, Inc., New York, N. Y. Ginger ale. 180,468; Feb. 26.

Cannan, Cecil C., doing business as Autocea Manufacturing Company, Houston, Tex. Shock absorbers. 180,420; Feb. 26; Serial No. 182,331; published Dec. 11, 1923.

Carr, John, Philadelphia, Pa. Cleaning and polishing preparation for gold, brass, windows, etc. 180,452; Feb. 26.

Carrozza, Joseph, Philadelphia, Pa. Hair grower and scalp massage. 180,165; Feb. 26; Serial No. 185,073; published Dec. 4, 1923.

Chase Candy Co., St. Joseph, Mo. Candy. 180,335; Feb. 26; Serial No. 177,474; published Nov. 20, 1923.

Chicago Radio Apparatus Company, Inc., Chicago, Ill. Radio receiving and transmitting apparatus. 180,236; Feb. 26; Serial No. 165,227; published Nov. 20, 1923.

Childers, Jessie, doing business as Hegarty & Childers Springfield, Ill. Hair-restorer compounds. 180,163; Feb. 26; Serial No. 185,004; published Dec. 4, 1923.

Christman, Louis F., doing business as L. F. Christman Co., Jackson, Tenn. Preparation for polishing and dyeing shoes and leather articles. 180,173; Feb. 26; Serial No. 184,382; published Nov. 27, 1923.

City Electric Company, Syracuse, N. Y. Electrical apparatus—namely, lamps, motors, switches, etc. 180,354; Feb. 26; Serial No. 182,399; published Nov. 20, 1923.

Clark, Harold D., doing business as Clark Laboratories, San Diego, Calif. Antiseptic and healing preparation. 180,344; Feb. 26; Serial No. 183,962; published Nov. 27, 1923.

Cluett, Peabody & Co. Inc., Troy, N. Y. Negligee and dress shirts. 180,448; Feb. 26.

Cluett, Peabody & Co. Inc., Troy, N. Y. Negligee and dress shirts. 180,455–60; Feb. 26.

Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 180,462–3; Feb. 26.

Cohen, Montgomery B., doing business as Radio Equipment Company, Boston, Mass. Fuses, protective devices for radio apparatus, adapters, loud speakers, etc. 180,353; Feb. 26; Serial No. 183,195; published Nov. 20, 1923.

Cohn & Rosenberger Inc., New York, N. Y. Jewelry for personal wear. 180,412; Feb. 26; Serial No. 182,652; published Nov. 27, 1923.

Colburn, Philmore H., West Springfield, Mass. Liniment and preparation for increasing growth of the hair. 180,220; Feb. 26; Serial No. 184,161; published Nov. 27, 1923.

Coleman Lamp Company, The, Wichita, Kans. Gas lamps, lanterns, stoves, etc. 180,453; Feb. 26.

Columbus Chemical Company, The, Columbus, Ohio. Ointment for burns, cuts, etc. 180,238; Feb. 26; Serial No. 165,745; published Dec. 4, 1923.

Continental Packing Corporation. (See American Cone and Pretzel Company.)

Cook Electric Company, Chicago, Ill. Electrical and telephone apparatus. 180,244; Feb. 26; Serial No. 152,785; published Nov. 20, 1923.

Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, etc. 180,226; Feb. 26; Serial No. 180,101; published Nov. 20, 1923.

Crescent Belt Fastener Company, New York, N. Y. Extractors and belt clamps. 180,292; Feb. 26; Serial No. 169,201; published Dec. 11, 1923.

Crescent Belt Fastener Company, New York, N. Y. Rivets. 180,293; Feb. 26; Serial No. 169,200; published Dec. 11, 1923.

Dakin Laboratories, Buffalo, N. Y. Cold, vanishing, lemon, etc. creams. 180,224; Feb. 26; Serial No. 184,896; published Dec. 4, 1923.

Daniel, Jno. B., Inc., Atlanta, Ga. Expectorant. 180,275; Feb. 26; Serial No. 183,518; published Dec. 4, 1923.

Davis & Voetsch, New York, N. Y. Stuffed toy dogs. 180,375; Feb. 26; Serial No. 146,695; published May 24, 1921.

Day & Night Solar Heater Co., Monrovia, Calif. Automatic gas water heaters. 180,454; Feb. 26.

Dayton Engineering Laboratories Company, The, Dayton, Ohio. Electrical starting, lighting, and ignition appliance and parts thereof. 180,358; Feb. 26; Serial No. 181,942; published Nov. 20, 1923.

De Brûle, Anna, doing business as A. De Brûle, New York, N. Y. Hair tonic. 180,343; Feb. 26; Serial No. 183,961; published Nov. 27, 1923.

Devers, Murrel O., doing business as Dim-Brite Manufacturing Company, Dayton, Ohio. Switch for dimming the electric headlights of automobiles and motor cycles. 180,211; Feb. 26; Serial No. 185,247; published Nov. 20, 1923.

Dew-On Company. (See Wilson, George T.)

Dim-Brite Manufacturing Company. (See Devers, Murrel O.)

Donna Lee Perfumed Deodorant Company, Chicago, Ill. Disseminators for perfumed deodorants. 180,488; Feb. 26.

Dwinell-Wright Company, Boston, Mass. Coffee. 180,491; Feb. 26.

E-Z-Way Co., Oakland, Calif. Soap in powdered form. 180,266; Feb. 26; Serial No. 183,648; published Dec. 4, 1923.

Easy-Go-Lax Relief Co. (See Birchfiel, Carl R.)

Eaton Axle & Spring Company, The, Cleveland, Ohio. Automobile bumper. 180,404; Feb. 26; Serial No. 186,632; published Dec. 11, 1923.

Eisenschimi, Magda A., doing business as Raisinade Company, East Orange, N. J. Beverage sold as a soft drink. 180,474; Feb. 26.

Emerson Watch Case Co., Inc., New York, N. Y. Watches, watchcases, clocks, and clock housings. 180,436; Feb. 26.

Emerson Watch Case Co., Inc., New York, N. Y. Watches, watchcases, clocks, and clock housings. 180,438; Feb. 26.

Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 180,319; Feb. 26; Serial No. 186,547; published Dec. 11, 1923.

Endazoin Company, New York, N. Y. Salves and ointments for the skin. 180,346; Feb. 26; Serial No. 184,026; published Nov. 27, 1923.

Enterprise Mattress Company, Boston, Mass. Mattresses. 180,324; Feb. 26; Serial No. 181,066; published Dec. 4, 1923.

Esco Manufacturing Co., New York, N. Y. Specially-treated strings used for stringing thereon ornamental beads. 180,406; Feb. 26; Serial No. 183,101; published Nov. 27, 1923.

European Export Corporation, The, Washington, D. C. Olive oil. 180,255; Feb. 26; Serial No. 185,748; published Dec. 11, 1923.

Everstick Anchor Company, St. Louis, Mo. Electric-cable hangers. 180,492; Feb. 26.

Everts, Walter W., assignor to Everts Angle Razor Corporation, New York, N. Y. Safety razors, blades, and parts thereof. 180,261; Feb. 26; Serial No. 185,078; published Dec. 11, 1923.

Excel Electric Co., The, Muncie, Ind. Electric cookers. 180,210; Feb. 26; Serial No. 184,716; published Nov. 20, 1923.

F. & L. Tobacco Products Company. (See Zook, Charles A. B.)

Farm Implement Publishing Co. (See Walker, Platt B.)

Fett & Kimmel Co., The, Bluffton, Ohio. Variable condensers. 180,209; Feb. 26; Serial No. 184,330; published Nov. 13, 1923.

Fluenzol Proprietary, Ltd., The, Wellington, New Zealand, and New York, N. Y. Medicinal preparation. 180,233; Feb. 26; Serial No. 169,896; published Dec. 4, 1923.

Foote Mineral Co., Philadelphia, Pa. Cat whiskers. 180,205; Feb. 26; Serial No. 185,823; published Nov. 13, 1923.

Foote Mineral Co., Philadelphia, Pa. Detector crystals. 180,206; Feb. 26; Serial No. 185,822; published Nov. 13, 1923.

Forowicz, Frank, Homestead, Pa. Medicinal tea. 180,282; Feb. 26; Serial No. 183,370; published Dec. 4, 1923.

Forster Music Publisher, Inc., Chicago, Ill. Sheet music. 180,200; Feb. 26; Serial No. 183,828; published Dec. 11, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,465; Feb. 26.

Fountaine & Co. Inc., New York, N. Y. Artificial pearls and jewelry articles comprising pearls and artificial pearls. 180,433; Feb. 26.

French American Mfg. Co. (See Klekner, Albert.)

Friedrich-Friedrich Co., Inc., Philadelphia, Pa. Face powder. 180,151; Feb. 26; Serial No. 184,819; published Dec. 4, 1923.

"Friend" Manufacturing Co., Gasport, N. Y. Insecticide sprayers and parts therefor. 180,334; Feb. 26; Serial No. 176,823; published Dec. 11, 1923.

Froidevaux Cie. (See Thomas, Lillian S.)

Funsten Brothers & Company, St. Louis, Mo. Catalogues and price lists. 180,392; Feb. 26; Serial No. 187,306; published Dec. 11, 1923.

Gandara y Haz, Vigo, Spain. Canned fish. 180,428; Feb. 26.

Gattaz, Joseph B., doing business as Gattaz & Co., Chicago, Ill. Compound for treating eyelashes and eyelids. 180,218; Feb. 26; Serial No. 184,130; published Nov. 27, 1923.

Gelgy Company, Inc., New York, N. Y. Dyestuffs. 180,158; Feb. 26; Serial No. 184,721; published Dec. 4, 1923.

General Chemical Company, New York, N. Y. Insecticides and fungicides. 180,345; Feb. 26; Serial No. 183,967; published Nov. 27, 1923.

Gilbert Bros. & Co., Inc., Baltimore, Md. Cream for cleansing the skin, etc. 180,278; Feb. 26; Serial No. 183,375; published Dec. 4, 1923.

Gilbert Bros. & Co., Inc., Baltimore, Md. Conditioning powder to be added to horse, cattle, and poultry feed. 180,283; Feb. 26; Serial No. 183,373; published Dec. 4, 1923.

Glenn, Maggie T., Albuquerque, N. Mex. Hair growers, temple growers, and pressing oil. 180,188; Feb. 26; Serial No. 184,548; published Dec. 4, 1923.

Globe Art Mfg. Co., Newark, N. J. Radio receiving sets. 180,232; Feb. 26; Serial No. 168,034; published Nov. 20, 1923.

Goodhart, Charles I., Chicago, Ill. Oil burners. 180,427; Feb. 26.

Graham, Albert L., doing business as The Piromir Co., Hastings, Nebr. Tooth paste. 180,280; Feb. 26; Serial No. 183,448; published Dec. 4, 1923.

Grainola Mfg. Co. (See Shroyer, Jacob L.)

Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 180,180; Feb. 26; Serial No. 154,506; published Nov. 27, 1923.

Graves Bros., Petersburg, Va. Greaseless cold cream and hair dressing. 180,227; Feb. 26; Serial No. 179,198; published Nov. 20, 1923.

Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving apparatus of the so-called cabinet type. 180,237; Feb. 26; Serial No. 165,375; published Nov. 20, 1923.

Greist Manufacturing Co., New Haven, Conn. Portable electric lamps. 180,362; Feb. 26; Serial No. 180,978; published Nov. 20, 1923.

Gsell, E., & Co., Inc., New York, N. Y. Watches, watchcases, watch movements, etc. 180,342; Feb. 26; Serial No. 181,274; published Dec. 11, 1923.

Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 180,201; Feb. 26; Serial No. 183,925; published Oct. 30, 1923.

Hammond, Judd E., doing business as Hammond Ironized Aspirin Company, Munday, Tex. Medicine for the relief of pain. 180,303; Feb. 26; Serial No. 167,916; published Dec. 4, 1923.

Hart & Hegeman Manufacturing Company, The, Hartford, Conn. Electrical switches. 180,368; Feb. 26; Serial No. 181,728; published July 24, 1923.

Harteveldt, Henry H., doing business as Henry H. Harteveldt Company, New York, N. Y. Chains for personal adornment. 180,451; Feb. 26.

Hayes-Meserole Mfg. Co., Inc., The, Milford, Conn. Barrettes. 180,146; Feb. 26; Serial No. 184,968; published Nov. 20, 1923.

Hegarty & Childers. (See Childers, Jessie.)

Helbein-Stone Company, Inc., New York, N. Y. Watchcases. 180,373; Feb. 26; Serial No. 156,791; published Nov. 20, 1923.

Heller, B., & Company, Chicago, Ill. Insecticide preparation. 180,219; Feb. 26; Serial No. 184,131; published Nov. 27, 1923.

Herr's Laboratories, Limited. (See Jahn, E. J., Company.)

Hiergesell Brothers, Philadelphia, Pa. Laboratory, chemical and surgical glassware. 180,327; Feb. 26; Serial No. 180,663; published Dec. 11, 1923.

Hilmer Commission Co., St. Louis, Mo. Butter and dairy products. 180,489; Feb. 26.

Hoepfner, Charles, doing business as Charles Hoepfner & Co., Chicago, Ill. Germicide and worm remedy for stock. 180,159; Feb. 26; Serial No. 184,729; published Dec. 4, 1923.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 180,313–4; Feb. 26; Serial Nos. 186,376–7; published Dec. 11, 1923.

Hood, H. P., & Sons, Inc., Boston, Mass. Butter, dried beans, bread, etc. 180,379; Feb. 26; Serial No. 146,213; published Dec. 11, 1923.

Howard Iron Works, Buffalo, N. Y. Expansion joints for pipe lines. 180,308; Feb. 26; Serial No. 186,233; published Dec. 11, 1923.

Howell, William J., Allentown, Pa. Chemical preparations used for deodorising and disinfecting. 180,207; Feb. 26; Serial No. 185,252; published Nov. 27, 1923.

Hughes and Hancock, Milford Haven, Pembrokeshire, Wales. Solution, composition, or mixture for the removal or prevention of incrustation or corrosion in steam generators, etc. 180,230; Feb. 26; Serial No. 178,667; published Nov. 20, 1923.

Illinois Watch Case Company, Elgin, Ill. Watchcases and watch movements. 180,202; Feb. 26; Serial No. 183,706; published Dec. 4, 1923.

Illustrated Daily News Publishing Co., Inc., Los Angeles, Calif. Title for comic newspaper strip. 180,391; Feb. 26; Serial No. 187,162; published Dec. 11, 1923.

International Coffee Co., Houston, Tex. Coffee and tea. 180,376; Feb. 26; Serial No. 155,175; published June 6, 1922.

International Silver Company, Meriden and Bridgeport, Conn. Silver-plated spoons. 180,421; Feb. 26; Serial No. 181,834; published Nov. 6, 1923.

In-Vu Manufacturing Company, Rochester, N. Y. Clothes washing machines. 180,484; Feb. 26.

Israel, Daniel G., doing business as Peerless Chemical Co., Secaucus, N. J. Skin lotion. 180,152; Feb. 26; Serial No. 184,860; published Dec. 4, 1923.

Jahn, E. J., Company, doing business as Herr's Laboratories, Limited, Detroit, Mich. Face lotion. 180,153; Feb. 26; Serial No. 184,861; published Dec. 4, 1923.

Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 180,425; Feb. 26; Serial No. 186,710; published Dec. 11, 1923.

Joannes Bros. Co., Green Bay, Wis. Canned fruits, vegetables, fish, and meats, dried fruits, fruit preserves, etc. 180,301; Feb. 26; Serial No. 172,741; published Oct. 2, 1923.

Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Face powders and creams, perfumes, toilet waters, etc. 180,242; Feb. 26; Serial No. 162,929; published Nov. 20, 1923.

Jones, Vess, New York, N. Y. Candy. 180,370; Feb. 26; Serial No. 160,136; published Sept. 12, 1922.

Jordeau, Jean, Inc., South Orange, N. J. Preparation for the removal of superfluous hair. 180,441; Feb. 26.

Kalamazoo Ice & Fuel Company, Kalamazoo, Mich. Coal. 180,258; Feb. 26; Serial No. 185,595; published Dec. 11, 1923.

Kamion, Aaron, doing business as A. Kamion, New York, N. Y. Watchcases. 180,196; Feb. 26; Serial No. 184,314; published Nov. 20, 1923.

Karagheusian, A. & M., Inc., New York, N. Y. Carpets and textile rugs. 180,318; Feb. 26; Serial No. 186,554; published Dec. 11, 1923.

Karagheusian, A. & M., Inc., New York, N. Y. Carpets and textile rugs. 180,322; Feb. 26; Serial No. 186,555; published Dec. 11, 1923.

Katz & Ogush, Inc., New York, N. Y. Finger rings, bar and scarf pins, bracelets, etc. 180,194; Feb. 26; Serial No. 184,168; published Nov. 20, 1923.

Katz & Ogush, Inc., New York, N. Y. Finger rings. 180,326; Feb. 26; Serial No. 181,126; published Nov. 27, 1923.

Kaufmann, Wm., Geneva, Switzerland. Watches and parts thereof. 180,409; Feb. 26; Serial No. 182,917; published Dec. 11, 1923.

Keller, George J., Newark, N. J. Watches. 180,339; Feb. 26; Serial No. 175,429; published Dec. 4, 1923.

Kellogg's Pep & Zep Products, Inc., New York, N. Y. Cereal breakfast food. 180,416; Feb. 26; Serial No. 182,543; published Dec. 11, 1923.

Kelly, Harry H., & Sons, Philadelphia, Pa. Brushes, floor sweeps, street brooms. 180,466; Feb. 26.

Keystone Lubricating Company, Philadelphia, Pa. Grease and oil cups and lubricators. 180,439; Feb. 26.

Keystone Refractories Company, Jersey City, N. J. Ganister. 180,145; Feb. 26; Serial No. 184,944; published Dec. 11, 1923.

King, John, & Son, Glasgow, Scotland. Cotton window hollands. 180,431; Feb. 26.

King, John, & Son, Glasgow, Scotland. Cotton window hollands. 180,461; Feb. 26.

Klein, David, doing business as St. James Market Samuel Klein & Son, Brooklyn, N. Y. Dressed meats, poultry, game, etc. 180,340; Feb. 26; Serial No. 175,872; published Sept. 11, 1923.

Kleker Chemical Company, Chicago, Ill. Medicinal preparation for the treatment of the stomach. 180,440; Feb. 26.

Klekner, Albert, doing business as French American Mfg. Co., New York, N. Y. Tapestries, panels, centerpieces, and runners. 180,332; Feb. 26; Serial No. 176,410; published Dec. 11, 1923.

Knitfirm, Inc., New York, N. Y. Knit goods for infants, children, and misses. 180,444; Feb. 26.

Kokomo Automotive Mfg. Co., Kokomo, Ind. Automobile rear-view mirrors and windshield wings. 180,386–7; Feb. 26; Serial Nos. 186,278–9; published Dec. 11, 1923.

Krements & Company, Newark, N. J. Collar buttons of solid gold and of rolled gold plate. 180,341; Feb. 26; Serial No. 181,194; published Nov. 27, 1923.

La Creole Laboratories. (See Van Vleet-Mansfield Drug Co.)

Landauer & Co. Inc., Milwaukee, Wis. Men's and boys' work shirts. 180,189; Feb. 26; Serial No. 184,552; published Nov. 13, 1923.

Lawlor-McCormick Co., New Brunswick, N. J. Moth and insect preventive. 180,357; Feb. 26; Serial No. 181,899; published Nov. 27, 1923.

Lee's Auto Polish Co., High Point, N. C. Auto polish. 180,435; Feb. 26.

Leiser, Herman, doing business as Herman Leiser Co., New Orleans, La. Electrically-operated signals for automobiles, etc. 180,169; Feb. 26; Serial No. 184,975; published Dec. 4, 1923.

Liberty Gauge and Instrument Company, The, Cleveland, Ohio. Electric hot plates. 180,355–6; Feb. 26; Serial Nos. 182,711–12; published Nov. 20, 1923.

Liberty Lace and Netting Works, New York, N. Y. Silk and cotton laces, nets and nettings, and veils and veilings, all in the piece. 180,253; Feb. 26; Serial No. 185,663; published Dec. 11, 1923.

Lindemann, Adolf D., & Son, New York, N. Y. Perfume, toilet water, sachet, cold cream, etc. 180,359; Feb. 26; Serial No. 181,951; published Nov. 20, 1923.

Lodi Mill & Elevator Co., The (now by change of name The Lodi Cereal Company), Lodi, Ohio. Cereal breakfast foods. 180,291; Feb. 26; Serial No. 169,552; published Dec. 11, 1923.

Loesser Manufacturing Company, Montclair, N. J. Face powders, rouges, etc. 180,371; Feb. 26; Serial No. 159,150; published Oct. 17, 1922.

Lorraine Manufacturing Company, Pawtucket, R. I. Cotton, silk and cotton, and silk and wool piece goods. 180,429; Feb. 26.

Louis Allis Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 180,349; Feb. 26; Serial No. 183,790; published Nov. 13, 1923.

Lournay, Inc., Milwaukee, Wis. Talcum powder, face powder, etc. 180,405; Feb. 26; Serial No. 181,448; published Nov. 27, 1923.

Lubbers and Bell Manufacturing Company, Clinton, Iowa. Fly swatters. 180,388; Feb. 26; Serial No. 187,326; published Dec. 11, 1923.

Lubbers and Bell Manufacturing Company, Clinton, Iowa. Fly swatters. 180,393; Feb. 26; Serial No. 187,325; published Dec. 11, 1923.

Lyon & Healy, assignor to Lyon & Healy, Inc., Chicago, Ill. Talking machines. 180,287; Feb. 26; Serial No. 167,990; published Dec. 4, 1923.

Macfadden Publications, Inc., New York, N. Y. Monthly magazine. 180,395; Feb. 26; Serial No. 186,847; published Dec. 11, 1923.

Maillard, Martin, Springfield, Mass. Vermin exterminators. 180,221; Feb. 26; Serial No. 184,033; published Nov. 27, 1923.

Mainette Company. (See Antle, Paul.)

Malcuit, Alphonse, Pittsfield, Mass. Ointment for hemorrhoids. 180,192; Feb. 26; Serial No. 184,507; published Dec. 4, 1923.

Mancha Storage Battery Locomotive Company, Wilmington, Del., and St. Louis, Mo. Storage-battery locomotives for use in mines. 180,469; Feb. 26.

Mannesmannröhren-Werke, Dusseldorf, Germany. Steam boilers and condensers, hot-air and hot-water furnaces, etc. 180,365; Feb. 26; Serial No. 163,695; published Dec. 11, 1923.

Manufacturers Supplies Company, St. Louis, Mo. Threads. 180,481; Feb. 26.

Manufacturers Supplies Company, St. Louis, Mo. Threads. 180,483; Feb. 26.

Marinello Company, La Crosse, Wis. Brilliantine. 180,170; Feb. 26; Serial No. 184,979; published Dec. 4, 1923.

Markarian's Fig Gardens, Fresno, Calif. Fresh and dried figs. 180,447; Feb. 26.

Marie Engineering Company, Orange, N. J. Transformers. 180,213; Feb. 26; Serial No. 184,252; published Nov. 13, 1923.

Marshall, C. D., Pottstown, Pa. Particular strain of chickens and eggs for hatching. 180,446; Feb. 26.

Marshall, William E., Chicago, Ill. Artificial log for fireplaces. 180,351; Feb. 26; Serial No. 182,979; published Nov. 20, 1923.

Mary Louise. (See Plumbridge, Charles H.)

Master Radio Corporation, Los Angeles, Calif. Complete radiotelephone receiving sets and attachments for same. 180,437; Feb. 26.

McCrea Mfg. Co., Minneapolis, Minn. Commercial cab bodies. 180,300; Feb. 26; Serial No. 173,572; published Dec. 11, 1923.

McKinley Music Company, Chicago, Ill. Phonograph records. 180,471; Feb. 26.
McKinley Music Company, Chicago, Ill. Phonographs. 180,472; Feb. 26.
Meadows Mfg. Co., Bloomington, Ill. Washing machines for laundry purposes. 180,336; Feb. 26; Serial No. 178,053; published Dec. 11, 1923.
Menstruol Laboratories. (See Steckler, Nathan P.)
Metro Chocolate Co., Inc., The, Brooklyn, N. Y. Milk chocolate, nuts and caramel. 180,331; Feb. 26; Serial No. 178,760; published Nov. 20, 1923.
Metropole Drug Company Inc., Pittston, Pa. General tonic. 180,243; Feb. 26; Serial No. 151,279; published Nov. 20, 1923.
Metropolitan Radio Corporation, Newark, N. J. Radio receiving sets and parts thereof. 180,480; Feb. 26.
Meyer, Geo. F., Seymour, Ind. Face and hand lotion. 180,408; Feb. 26; Serial No. 182,763; published Dec. 4, 1923.
Mignon Electric Manufacturing Corp., Rochester, N. Y. Radio receiving sets and parts thereof. 180,239; Feb. 26; Serial No. 167,005; published Nov. 20, 1923.
Mint Products Co. Incorporated, Port Chester, N. Y. Candy, chewing gum, and candy and chewing gum confections. 180,487; Feb. 26.
Mitchell, G. F., Son, Cleveland, Ohio. Washing machines and wringers. 180,204; Feb. 26; Serial No. 183,754; published Dec. 4, 1923.
Modern Pharmacal Co., Inc., New York, N. Y. Preparation intended to remove superfluous fat. 180,161; Feb. 26; Serial No. 184,616; published Dec. 4, 1923.
Montgomery Ward & Co., Chicago, Ill. Incubators and brooders. 180,494; Feb. 26; Serial No. 187,144; published Dec. 11, 1923.
Moseley, Benjamin Co., The, Needham, Mass. Sweaters. 180,449; Feb. 26.
Moss-Schury Mfg. Co., Inc., Detroit, Mich. Radio and telephone apparatus. 180,352; Feb. 26; Serial No. 183,119; published Nov. 20, 1923.
Moth K-L Company, Inc., New York, N. Y. Insecticides. 180,286; Feb. 26; Serial No. 168,721; published Dec. 4, 1923.
Mueller-Keller Candy Company, St. Joseph, Mo. Chocolate candy. 180,178; Feb. 26; Serial No. 182,986; published Nov. 27, 1923.
Napier Company, The, Meriden, Conn. Bags, vanity cases, flasks, purses, etc. 180,434; Feb. 26.
National Compound Co., Inc., Boston, Mass. Liquid carbon remover for gasoline motors. 180,231; Feb. 26; Serial No. 179,312; published Nov. 20, 1923.
National Save The Surface Campaign Committee, The, doing business as Save The Surface Campaign, Philadelphia, Pa. Paint and varnish monthly publication. 180,190; Feb. 26; Serial No. 184,560; published Dec. 11, 1923.
National Washboard Company, Chicago, Ill., Saginaw, Mich., and Memphis, Tenn. Washboards. 180,485–6; Feb. 26.
New Haven Clock Co., The, New Haven, Conn. Clocks. 180,154; Feb. 26; Serial No. 184,747; published Nov. 20, 1923.
Noell, James T., Alexandria, Va. Aspirin tablets. 180,168; Feb. 26; Serial No. 184,473; published Nov. 27, 1923.
Norfolk Police Social and Relief Association, The, Norfolk, Va. Name of a monthly publication. 180,249; Feb. 26; Serial No. 185,903; published Dec. 11, 1923.
Northern Jobbing Company, Chicago, Ill. Soap. 180,475; Feb. 26.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 180,347; Feb. 26; Serial No. 184,357; published Dec. 25, 1923.
Oakford & Fahnestock, Peoria, Ill. Baking powder, cream of tartar, bluing, and ammonia. 180,285; Feb. 26; Serial No. 169,920; published Dec. 4, 1923.
O'Neil, Gertrude C., doing business as O'Neil's Pharmacy, Taunton, Mass. Medicine for coughs, colds, bronchitis, etc. 180,193; Feb. 26; Serial No. 184,511; published Dec. 4, 1923.
Os-Da Company, The, New York, N. Y. Pearl or imitation-pearl necklaces. 180,403; Feb. 26; Serial No. 186,664; published Dec. 11, 1923.
Page Organ Co., The, Lima, Ohio. Organs and attachments for playing organs. 180,397; Feb. 26; Serial No. 187,122; published Dec. 11, 1923.
Page, Percy B., New York, N. Y. Face and talcum powders, face creams, perfumes, etc. 180,147; Feb. 26; Serial No. 184,902; published Dec. 4, 1923.
Pagonis, George, doing business as George Pagonis Co., New York, N. Y. Waving and curling preparation for the hair. 180,281; Feb. 26; Serial No. 183,313; published Dec. 4, 1923.
Pagonis, George, doing business as George Pagonis Co., New York, N. Y. Shampoo preparations. 180,285; Feb. 26; Serial No. 183,312; published Dec. 4, 1923.
Pal Radio Company, West Hoboken, N. J. Radio receiving apparatus and parts thereof. 180,348; Feb. 26; Serial No. 183,567; published Nov. 20, 1923.
Palmers, Limited, Montreal, Quebec, Canada. Bleach, beauty, cold, and cleansing creams, face powders, etc. 180,172; Feb. 26; Serial No. 184,292; published Nov. 27, 1923.
Pareh-O-Lite Co., Chicago, Ill. Electric lamps. 180,235; Feb. 26; Serial No. 174,026; published Nov. 20, 1923.
Parke, Davis & Company, Detroit, Mich. Medicine for treatment of syphilis. 180,215; Feb. 26; Serial No. 184,181; published Nov. 27, 1923.
Parke, Davis & Company, Detroit, Mich. Alteratives. 180,216; Feb. 26; Serial No. 184,180; published Nov. 27, 1923.
Parke, Davis & Company, Detroit, Mich. Antiseptics and germicides. 180,217; Feb. 26; Serial No. 184,182; published Nov. 27, 1923.
Peerless Chemical Co. (See Israel, Daniel G.)
Penberthy Injector Company, Detroit, Mich. Pumps, atomizers, carburetors, etc. 180,367; Feb. 26; Serial No. 161,061; published Dec. 11, 1923.
Pheno-Bane Products Co., Sand Springs, Okla., and St. Louis, Mo., assignor to Pheno-Bane Products Company, St. Louis, Mo. Disinfectants, deodorants, cleaners, etc. 180,203; Feb. 26; Serial No. 183,720; published Dec. 4, 1923.
Philippe, Louis, New York, N. Y. Perfumes, toilet water, face powders, etc. 180,171; Feb. 26; Serial No. 184,096; published Nov. 27, 1923.
Picot, Jules, assignor to Societe Anonyme de la Lessive Phenix, Etablissements J. Picot, Paris, France. Lye product. 180,828; Feb. 26; Serial No. 180,774; published Dec. 4, 1923.
Piromir Co., The. (See Graham, Albert L.)
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume extract, toilet water, lotions, etc. 180,212; Feb. 26; Serial No. 184,183; published Nov. 27, 1923.
Plumbridge, Charles H., doing business as Mary Louise, New York, N. Y. Women's and misses' dresses. 180,247; Feb. 26; Serial No. 186,070; published Dec. 11, 1923.
Pollard, Walter S., Hot Springs, Ark. Medicinal powder. 180,363; Feb. 26; Serial No. 180,140; published Nov. 20, 1923.
Poole, C. O., doing business as Poole Machine Co., Cobden, Ill. Wrenches. 180,479; Feb. 26.
Porter, S. E., Co., Providence, R. I. Cords for stringing or restringing pearls or beads. 180,329; Feb. 26; Serial No. 179,322; published Aug. 7, 1923.
Porter, Samuel E., doing business as S. E. Porter Company, assignor to S. E. Porter Co., Providence, R. I. Pearl necklaces, bead necklaces, and cords for stringing and restringing pearls or beads. 180,305; Feb. 26; Serial No. 174,486; published Aug. 7, 1923.
Porzellanfabrik Ph. Rosenthal & Co., A. G., Berlin, Germany. Crockery, earthenware, and porcelain. 180,310; Feb. 26; Serial No. 186,329; published Dec. 11, 1923.
Postum Cereal Company, Incorporated, New York, N. Y., and Battle Creek, Mich. Cereal breakfast foods. 180,493; Feb. 26.
Press Publishing Company, New York, N. Y. Title of a column in a newspaper. 180,321; Feb. 26; Serial No. 186,613; published Dec. 11, 1923.
Pullman Company, The, Chicago, Ill. Automobile bodies. 180,384; Feb. 26; Serial No. 187,267; published Dec. 11, 1923.
Radio Equipment Company. (See Cohen, Montgomery B.)
Raininde Company. (See Eisenschiml, Magda A.)
Rash, Warren P., Co., Inc., Middlesboro, Ky. Glycerin and rose water, sweet spirits of niter, and turpentine. 180,229; Feb. 26; Serial No. 177,620; published Nov. 27, 1923.
Ratner, Harry, doing business as Rogers & Co., Columbus, Ohio. Jewelry. 180,422; Feb. 26; Serial No. 181,413; published Nov. 27, 1923.
Recreation Distributing Co., New York, N. Y. Knitted sport coats. 180,198; Feb. 26; Serial No. 183,992; published Dec. 11, 1923.
Regal Record Company, New York, N. Y. Phonograph records. 180,414; Feb. 26; Serial No. 182,485; published Dec. 11, 1923.
Reid, Murdoch & Co., Chicago, Ill. Baking powder and cream of tartar. 180,174; Feb. 26; Serial No. 184,422; published Nov. 27, 1923.
Richards-Wilcox Manufacturing Company, Aurora, Ill. Door holders. 180,490; Feb. 26.
Robinson Silk Company, Inc., New York and Astoria, N. Y. Silk piece goods. 180,307; Feb. 26; Serial No. 186,159; published Dec. 11, 1923.
Robischon Corporation, New York, N. Y. Stockings, hosiery, and knitted underwear. 180,476; Feb. 26.
Rodrigues, Manuel R., Brooklyn, N. Y. Electrical apparatus, machines, and supplies. 180,234; Feb. 26; Serial No. 172,123; published Nov. 20, 1923.
Rogers & Co. (See Ratner, Harry.)
Roren, Albert, New York, N. Y. Canned grapefruit. 180,476; Feb. 26.
Rosenberg & Co., Inc., New York, N. Y. Pearls. 180,320; Feb. 26; Serial No. 186,484; published Dec. 11, 1923.
Ross, Charles F., New York, N. Y. Healing salve. 180,274; Feb. 26; Serial No. 183,454; published Dec. 18, 1923.
Roth, Paul, doing business as P. Roth & Company, New York, N. Y. Pearls. 180,257; Feb. 26; Serial No. 185,381; published Nov. 27, 1923.
Rouse, Hempstone & Co., Inc., Baltimore, Md. Men's and boys' work shirts, flannel shirts, and pants. 180,374; Feb. 26; Serial No. 158,451; published July 17, 1923.
Royal Velvet Products Company. (See Baumgarten, Emanuel.)

Russell, Isaiah D., doing business as I. D. Russell Company, Kansas City, Mo. Insecticide. 180,175; Feb. 26; Serial No. 184,424; published Nov. 27, 1923.
St. James Market Samuel Klein & Son. (See Klein, David.)
Saltrates Limited, London, England. Saline preparation for rheumatism, kidney disorders, etc. 180,216; Feb. 26; Serial No. 183,598; published Dec. 4, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, capes, etc. 180,402; Feb. 26; Serial No. 186,616; published Dec. 11, 1923.
Save The Surface Campaign. (See National Save The Surface Campaign Committee.)
Schletter, Richard, Co., Inc., Philadelphia, Pa. Hosiery. 180,445; Feb. 26.
Schmidt, Fitz-Gibbon Co., Inc., New York, N. Y. Handkerchiefs. 180,312; Feb. 26; Serial No. 186,448; published Dec. 11, 1923.
Schmidt, Oliver S., doing business as Vitans Laboratories, San Francisco, Calif. Preparation used as home remedies. 180,182; Feb. 26; Serial No. 184,623; published Dec. 4, 1923.
Schmitz, John E., doing business as John E. Schmitz & Co., New York, N. Y. Sweaters, bathing suits, scarfs, and hosiery. 180,470; Feb. 26.
Schneider & Hyman, New York, N. Y. Finger rings. 180,337; Feb. 26; Serial No 181,316; published Nov 20, 1923.
Schwartz, Chas., & Son, Washington, D. C. Watch movements, watchcases therefor. 180,245; Feb. 26; Serial No. 168,731; published Dec. 4, 1923.
Science Service, Inc., Washington, D. C. Title to syndicated scientific news articles and publications. 180,246; Feb. 26; Serial No. 186,039; published Dec. 11, 1923.
Seidner & Hitzigrath, New York, N. Y. Real human-hair nets. 180,482; Feb. 26.
Sherman, Bernard E., doing business as Vital Food Company of California, assignor to Rose Wilke, Los Angeles, Calif. Laxative herbal compound. 180,223; Feb. 26; Serial No. 184,106; published Nov. 27, 1923.
Shirek & Hirsch, New York, N. Y. Outer garments. 180,326; Feb. 26; Serial No. 180,030; published Dec. 11, 1923.
Shroyer, Jacob L., doing business as Grainola Mfg. Co., Chicago, Ill. Cereal food drink. 180,377; Feb. 26; Serial No. 156,117; published Nov. 13, 1923.
Silver Bell Chemical Co. (See Youngstown Barber Supply Co.)
Singer, M., & Sons, Boston, Mass. Extract of malt and hops. 180,450; Feb. 26.
Smith, Thomas E., doing business as T. E. Smith Medicine Co., Houston, Tex. Liver tablet. 180,179; Feb. 26; Serial No. 181,541; published Nov. 20, 1923.
Societe Anonyme De La Lessive Phenix, Etablissements J. Picot. (See Picot, Jules, assignor.)
Spencer, S. M., Mfg. C. (See Beckert, Richard E.)
Spurgin Manufacturing Company, Chicago, Ill. Currency straps. 180,267–73; Feb. 26; Serial Nos. 183,601–7; published Sept. 11, 1923.
Spurgin Manufacturing Company, Chicago, Ill. Currency straps. 180,277; Feb. 26; Serial No. 183,608; published Sept. 11, 1923.
Standard Ink Mfg. Co., Minneapolis, Minn. Concentrated writing ink. 180,417; Feb. 26; Serial No. 181,871; published Nov. 20, 1923.
Standard Oil Company, (New Jersey), Bayonne, N. J. Insecticide. 180,361; Feb. 26; Serial No. 181,872; published Nov. 27, 1923.
Standard Silde Corporation, New York, N. Y. Automatic changeable-sign-display machines, etc. 180,426; Feb. 26; Serial No. 186,032; published Dec. 11, 1923.
Steckler, Nathan P., doing business as Menstruol Laboratories, New York, N. Y. Medicinal capsule for the treatment of female disorders. 180,177; Feb. 26; Serial No. 182,682; published Dec. 4, 1923.
Sterling Tire Corporation, Rutherford, N. J. Tire casings. 180,270; Feb. 26; Serial No. 183,414; published Dec. 11, 1923.
Storm Royalty Company, St. Louis, Mo. Clothes-washing machines. 180,423; Feb. 26; Serial No. 181,426; published Nov. 20, 1923.
Story & Clark Piano Co., Chicago, Ill. Pianos and piano players. 180,407; Feb. 26; Serial No. 181,544; published Nov. 20, 1923.
Straus, Leo R., New York, N. Y. Watches. 180,199; Feb. 26; Serial No. 183,997; published Nov. 20, 1923.
Strohmeyer & Arpe Company, also doing business as United Pure Food Co., New York, N. Y. Salad oils. 180,248; Feb. 26; Serial No. 186,089; published Dec. 11, 1923.
Surgeons Specialty Company, The, Cincinnati, Ohio. Bed jacks. 180,383; Feb. 26; Serial No. 165,419; published Dec. 11, 1923.
Tannin Corporation, The, New York, N. Y. Tanning extracts. 180,264; Feb. 26; Serial No. 184,995; published Dec. 4, 1923.
Teleradio Engineering Corporation, New York, N. Y. Wireless and electrical equipment. 180,240; Feb. 26; Serial No. 161,016; published Aug. 29, 1922.
Thomas, Lillian S., doing business as Frolidevaux Co., New York, N. Y. Bath salts. 180,155; Feb. 26; Serial No. 184,628; published Dec. 4, 1923.
Thompson, Mary E., Cleveland, Ohio. Hair preparations. 180,228; Feb. 26; Serial No. 177,246; published Nov. 20, 1923.
Thyro-Logen Laboratories, Inc., Los Angeles, Calif. Halogen-bearing food for the thyroid gland. 180,360; Feb. 26; Serial No. 181,576; published Nov. 20, 1923.
Tin Decorating Company of Baltimore. (See Johnson, William H., assignor.)
Toasted Alaskas Corporation of America (Limited), Wilmington, Del., and Muskogee, Okla. Electric ovens for the toasting of ice cream. 180,241; Feb. 26; Serial No. 162,592; published Nov. 20, 1923.
Trancilla Company. (See Bendick, Sidney S.)
Travis, Romaine & Jelie, Inc., New York, N. Y. Silk crêpes in the piece. 180,311; Feb. 26; Serial No. 186,305; published Dec. 11, 1923.
Tribune Company, The, Chicago, Ill. Weekly magazine supplement for a newspaper magazine. 180,295; Feb. 26; Serial No. 169,992; published Dec. 11, 1923.
Ungerer & Company, Inc., New York, N. Y. Natural and synthetic products used for scenting purposes. 180,265; Feb. 26; Serial No. 184,998; published Dec. 4, 1923.
Union Gas Engine Co., Oakland, Calif. Diesel engines. 180,144; Feb. 26; Serial No. 184,923; published Dec. 11, 1923.
United Pure Food Co. (See Strohmeyer & Arpe Company.)
U. S. Radio Company, St. Louis, Mo. Plugs for connecting a radio receiving set to an electric-light circuit. 180,350; Feb. 26; Serial No. 183,865; published Nov. 20, 1923.
Valecia Evaporated Milk Co., Madison, Wis. Evaporated skimmed milk. 180,250; Feb. 26; Serial No. 185,941; published Dec. 11, 1923.
Van der Heyden & Hauseur, L., Paris, France. Organs, pianos, harps, and parts of such instruments. 180,419; Feb. 26; Serial No. 182,312; published Dec. 11, 1923.
Van Vleet-Mansfield Drug Co., doing business as La Creole Laboratories, Memphis, Tenn. Creo-clay face pack, hair dressing and tonic, almond lotion, etc. 180,330; Feb. 26; Serial No. 179,609; published Dec. 4, 1923.
Vavra, Minerva, doing business as M. Vavra Drug Co., Chicago, Ill. Antiseptic solution used as a medicine. 180,176; Feb. 26; Serial No. 182,629; published Dec. 4, 1923.
Vital Food Company of California. (See Sherman, Bernard E.)
Vitans Laboratories. (See Schmidt, Oliver S.)
Vogt, Henry, Machine Co. Inc., Louisville, Ky. Ice refrigerating and cooling machinery. 180,432; Feb. 26.
Vox-Schallplatten- und Sprechmaschinen-Aktiengesellschaft, Berlin, Germany. Talking machines, phonographs, parts thereof, and supplies therefor. 180,288; Feb. 26; Serial No. 165,733; published Nov. 20, 1923.
Vulcan Record Corporation, New York, N. Y. Sound records for phonographs and talking machines. 180,262; Feb. 26; Serial No. 185,271; published Nov. 6, 1923.
Vulcan Record Corporation, New York, N. Y. Sound records for phonographs and talking machines. 180,263; Feb. 26; Serial No. 185,272; published Nov. 20, 1923.
Walker, Platt B., doing business as Farm Implement Publishing Co., Minneapolis, Minn. Publication. 180,252; Feb. 26; Serial No. 185,885; published Dec. 11, 1923.
Wallace, R., & Sons Mfg. Co., The Wallingford, Conn. Sterling-silver flatware and hollow ware. 180,256; Feb. 26; Serial No. 185,350; published Nov. 27, 1923.
Weitz & Lefft, New York, N. Y. Noodles. 180,369; Feb. 26; Serial No. 161,949; published Apr. 3, 1923.
Wendling, George K., Los Angeles, Calif. Nails and staples. 180,254; Feb. 26; Serial No. 185,683; published Dec. 11, 1923.
Weymann, H. A., & Son, Inc., Philadelphia, Pa. Band and orchestral musical instruments. 180,415; Feb. 26; Serial No. 182,490; published Nov. 20, 1923.
Wheelock, Arthur C., doing business as The Ventlock Company, Oakland, Calif. Window fasteners. 180,260; Feb. 26; Serial No. 185,068; published Dec. 11, 1923.
White, H. N., Company, The, Cleveland, Ohio. Trumpets, cornets, trombones, horns, etc. 180,411; Feb. 26; Serial No. 182,601; published Dec. 4, 1923.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Food paste. 180,164; Feb. 26; Serial No. 185,044; published Dec. 4, 1923.
Whitman, Stephen F., & Son, Philadelphia, Pa. Candy. 180,302; Feb. 26; Serial No. 171,052; published Apr. 3, 1923.
Wilke, Rose. (See Sherman, Bernard E., assignor.)
Williams, J. B., Company, The, Glastonbury, Conn. Toilet powders, toilet waters, after-shaving lotions, etc. 180,410; Feb. 26; Serial No. 182,525; published Dec. 4, 1923.
Wilson, George T., doing business as Dew-On Company, Cleveland, Ohio. Preparations for germicidal, insecticidal, and deodorant purposes and for exterminating cockroaches, etc. 180,166; Feb. 26; Serial No. 185,277; published Nov. 27, 1923.
Wizard Phonograph Company, Chicago, Ill. Phonographs. 180,156; Feb. 26; Serial No. 184,630; published Dec. 4, 1923.
Wonderlite Products Company, Casper, Wyo. Complexion clay. 180,191; Feb. 26; Serial No. 184,484; published Dec. 4, 1923.

Wood, J. R., & Sons, New York, N. Y. Finger rings. 180,309; Feb. 26; Serial No. 186,344; published Dec. 11, 1923.
Wynne Lard & Provision Co. Inc., Norfolk, Va. Lard substitute. 180,296; Feb. 26; Serial No. 170,465; published Nov. 20, 1923.
Wynne Lard & Provision Co. Inc., Norfolk, Va. Lard substitute. 180,297; Feb. 26; Serial No. 170,462; published Nov. 20, 1923.
Wynne Lard & Provision Co. Inc., Norfolk, Va. Lard substitute. 180,298; Feb. 26; Serial No. 170,461; published Nov. 27, 1923.
Wynne Lard & Provision Co. Inc., Norfolk, Va. Lard substitute. 180,299; Feb. 26; Serial No. 170,459; published Nov. 20, 1923.
Youngstown Barber Supply Co., The, doing business as Silver Bell Chemical Co., Youngstown, Ohio. Hair cream. 180,333; Feb. 26; Serial No. 176,811; published Dec. 4, 1923.
Zemp, James D., Camden, S. C. Liquid corn remedy. 180,157; Feb. 26; Serial No. 184,702; published Dec. 4, 1923.
Zook, Charles A. B., doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Insecticides. 180,148; Feb. 26; Serial No. 184,885; published Dec. 4, 1923.
Zook, Charles A. B., doing business as F. & I. Tobacco Products Company, Lancaster, Pa. Insecticides. 180,149–50; Feb. 26; Serial Nos. 184,887–8; published Dec. 4, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adams, McGregor I., M. D., Philadelphia, Pa. Capsims. For a Medicine—Namely, a Body Builder. 26,988; Feb. 26.
Circus Sally Company, The, Chicago, Ill. Taffy Twists. For Candy. 26,989; Feb. 26.
Combs, Robert L., Chicago, Ill. Golfer's De-Lite. For Golf Score Cards Containing Safety Matches. 26,990; Feb. 26.
Copeland, Oren S., Lincoln, Nebr. Matt-Rest. For Mattresses. 26,991; Feb. 26.
Droll Patents Corporation, Chicago, Ill. Mattress Package. For Mattresses. 26,992; Feb. 26.
Earl & Wilson, Troy, N. Y. E & W Collar Packet. For Containers for Collars. 26,993; Feb. 26.
Economy Bias Binding Co., New York, N. Y. Krelawn. For Tape. 26,994; Feb. 26.
Economy Bias Binding Co., New York, N. Y. California. For Tape. 26,995; Feb. 26.
Favaloro, F. G., Sons, Inc., New Orleans, La. Carmela. For Tomato Paste. 26,996; Feb. 26.
Favaloro, F. G., Sons, Inc., New Orleans, La. Cowboy. For Tomato Paste. 26,997; Feb. 26.
Favaloro, F. G., Sons, Inc., New Orleans, La. Indian Girl. For Tomato Paste. 26,998; Feb. 26.
Fenton's, Dr., Mix-Er-O Tone Co., Cedar Rapids, Iowa. Dr. Fenton's Health-Pep. For Yeast Balancer Prepared for Chicks and Poultry. 26,999; Feb. 26.
Fenton's, Dr., Mix-Er-O Tone Co., Cedar Rapids, Iowa. Dr. Fenton's Moreggs. For Concentrated Yeast Balancer for Laying Hens. 27,000; Feb. 26.
Health Harvest Food Co., Louisville, Ky. Health-Harvest. For a Whole-Wheat Product Cooked Ready to Eat. 27,001; Feb. 26.
Hills Brothers Company, The New York, N. Y. Dromedary Golden Dates. For Dates. 27,002; Feb. 26.
Hood River Canning Co., Hood River, Oreg. Whole Strawberries. A True Fruit. For Candy. 27,003; Feb. 26.
Louisville Bottling Works, Louisville, Ky. E-Z Malt. For Malt Sirup. 27,004; Feb. 26.
Marshall, Richard S., and W. A. Wing, Toronto, Ontario, Canada. Magic-White. For Cleaning Fluid. 27,005; Feb. 26.
May Hosiery Mills, Inc., Burlington, N. C. B. V. May. For Hosiery. 27,006; Feb. 26.
Pacific Coast Biscuit Co., Seattle, Wash. Thomsen's Nutty Stuff. For Candy. 27,007; Feb. 26.
Peyton, W. P., Fruit Co., Los Angeles, Calif. The Queen's taste. For Citrous Fruit. 27,008; Feb. 26.
Poultry Producers of Central California, San Francisco, Calif. Nulaid Eggs. For Eggs. 27,009; Feb. 26.
Poultry Producers of Central California, San Francisco, Calif. Calpro Eggs. For Eggs. 27,010; Feb. 26.
Salant & Salant, Inc., New York, N. Y. Triple (T-S) Stitched. For Work Shirts for Men and Boys. 27,011; Feb. 26.
Salant & Salant, Inc., New York, N. Y. Uncle Sam Shirts, Supersize That Satisfies. For Work Shirts for Men and Boys. 27,012; Feb. 26.
Schaffer Tinware Mfg. Co., The, Brooklyn, N. Y. The Schaffer Lock Cover Garbage Can. For Garbage Receptacles. 27,013; Feb. 26.
Strauss, Jacob R., Chicago, Ill. La Pecan. For Cigars. 27,014; Feb. 26.
Transogram Co. Inc., Brooklyn, N. Y. Make your nice gifts—nicer—. For Receptacles Containing Christmas-Package Accessories. 27,015; Feb. 26.
Triangle Electro Trading Co., Inc., New York, N. Y. The Set with the Knob that Keeps the Lamps on the Job. For Decorative Lighting Sets. 27,016; Feb. 26.
Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Los Angeles Rose. For Talcum. 27,017; Feb. 26.
Whitney, George C., Company, The, Worcester, Mass. Whitney's Valentine Material. For Boxes of Valentine Material. 27,018; Feb. 26.
Widdis, Albert, Tawas City, Mich. Peter Pan Candy. For Candy. 27,019; Feb. 26.
Wing, Weldon A. (See Marshall, R. S., and Wing.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Ault-Williamson Shoe Co., Auburn, Me., and St. Louis, Mo. Constant Comfort Foot Chart. For Shoes. 7,208; Feb. 26.
Detroit-Lillis Engineering Co., Detroit, Mich. Lillis Light Shield. For an Apparatus Used with Automobiles. 7,209; Feb. 26.
Engel, Joseph, Company, Inc., New York, N. Y. Bobbie. For Coats and Suits. 7,210; Feb. 26.
Fuller, W. P., & Co., San Francisco, Calif. Since '49. For Paints and Varnishes. 7,211; Feb. 26.
Hays, Daniel Company, The, Gloversville, N. Y. Hays Buckskin Gloves. For Gloves. 7,212; Feb. 26.
International Shoe Co., St. Louis, Mo. Red Goose Shoes. For Shoes. 7,213; Feb. 26.
Martin Baking Company, The, Cleveland, Ohio. Martin's Better-Batter-Bakes. For Flour, Cakes, Cookies, Wafers, and Other Bakery Products. 7,214; Feb. 26.
Palmolive Company, The, Milwaukee, Wis. Proud of His Wife. For Palmolive Soap. 7,215; Feb. 26.
Postum Cereal Co. Inc., Battle Creek, Mich. Great Stuff—Mother! Post Toasties. Improved Corn Flakes. For Cereal Breakfast Food. 7,216; Feb. 26.
Red Mill Hosiery Co. Inc., Wilmington, Del. Red Mill. For Hosiery. 7,217; Feb. 26.
Reid, Murdoch & Co., Chicago, Ill. Products of Monarch Kitchens. For Food Products. 7,218; Feb. 26.
Reid, Murdoch & Co., Chicago, Ill. Monarch National Advertising. For Food Products. 7,219; Feb. 26.
Reid, Murdoch & Co., Chicago, Ill. Monarch Coffee. For Coffee and Food Products. 7,220; Feb. 26.
Reid, Murdoch & Co., Chicago, Ill. Monarch. For Canned Fruits and Vegetables. 7,221; Feb. 26.
Reid, Murdoch & Co., Chicago, Ill. Monarch Food of Wheat. For Breakfast Food. 7,222; Feb. 26.
Republic Rubber Company, The, Youngstown, Ohio. At the Sign of the Eagle. For Automobile Tires and Tubes. 7,223; Feb. 26.
Richards, James E., Company, The, Dayton, Ohio. Lot 8825 White Knickers. For White Duck Clothing. 7,224; Feb. 26.
Richards, James E., Company, The, Dayton, Ohio. Lot 326 Gym Pants. For White Duck Clothing. 7,225; Feb. 26.
Smith, Sidney, Chicago, Ill. Oh Min! For Candy. 7,226; Feb. 26.
Smith, Sidney, Chicago, Ill. Uncle Bim Brings The Gump Family Candy Assortment. For Candy. 7,227; Feb. 26.
Triangle Electro Trading Co. Inc., New York, N. Y. When The Lights Go Out—Just Turn the Knob. For Decorative Lighting Sets. 7,228; Feb. 26.
Van Cott Bros., Inc., New York, N. Y. Freeplay. For Boys' and Children's Baseball Uniforms. 7,229; Feb. 26.
Ward, James E., Springfield, Ohio. Wiring and repairing. For Electrical Supplies. 7,230; Feb. 26.
Willson Goggles, Inc., Reading, Pa. Willson Goggles. For Goggles. 7,231; Feb. 26.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. & A. Bathrobe & Novelty Co., New York, N. Y. Bath robes, buntings, and sacks. 176,148; Feb. 26.
Abrams, Alexander J., New York, N. Y. Cigars. 187,559; Feb. 26.
Acme Screen Co., Inc., Dallas, Tex. Window and door screens. 184,156; Feb. 26.
Addiscott, Herbert C., assignor to Chevraline Manufacturing Co., Inc., New York, N. Y. Hair cream. 189,231; Feb. 26.
American Thermo-Ware Company, New York, N. Y. Hydrometers, hydrometer syringes and test sets, etc. 188,145; Feb. 26.
American Writing Paper Company, Holyoke, Mass. Announcement paper, cards, and envelopes. 190,484–6; Feb. 26.
Arnold, F. R., & Co., New York, N. Y. Soaps. 190,225; Feb. 26.
Asbell, Mellege S., doing business as Romero Drug Co., El Paso, Tex. Laxative pills. 186,455; Feb. 26.
Atlantic Syrup Refining Co., Philadelphia, Pa. Table sirup. 189,880; Feb. 26.
B G H Shoe Stores Inc., New Orleans, La. Shoes. 187,844; Feb. 26.
Bark-Air Arch Support Co. (See Barker, George S.)
Barker, George S., doing business as Bark-Air Arch Support Co., Denver, Colo. Foot-arch supports. 189,385; Feb. 26.
Barnes Knitting Company, Cedartown, Ga. Hosiery. 189,297; Feb. 26.
Baum, Jerome E., doing business as Dermay Co., New York, N. Y. Perfumes, face powders, powder compacts, creams, etc. 190,627; Feb. 26.
"Bean-Teint" Company, Washington, D. C. Complexion clay. 176,154; Feb. 26.
Bedaux, Chas. E., Company, The, New York, N. Y. Graph paper. 190,568; Feb. 26.
Bellon et Cie., Paris, France. Perfume, toilet water, face powder, etc. 184,376–7; Feb. 26.
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' shirts. 180,321; Feb. 26.
Best Cutlery Co., Newark, N. J. Razor blades. 189,551; Feb. 26.
Beth Tantum. (See Powell, Bessie S.)
Bijou Dress Company, The, New York, N. Y. Ladies' dresses, waists, coats, suits, and wraps. 190,148; Feb. 26.
Billings, William F., Hopewell, Va. Candy-coated ice-cream products. 181,932; Feb. 26.
Black, William, & Co., Inc., New York, N. Y. Cabinets and humidors. 187,035; Feb. 26.
Blakeley, Wallace B., & Company, Los Angeles, Calif. Face paste and powder. 187,149; Feb. 26.
Blount, W. T., Orrville, Ohio. Saws and saw handles. 180,464; Feb. 26.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 190,187; Feb. 26.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 190,528–9; Feb. 26.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 190,570–2; Feb. 26.
Bodman, Ralph H., Hyannis, Mass. Pearls and pearl necklaces. 190,372; Feb. 26.
Bowen-Oglesby Milling Co., Independence, Kans. Wheat flour. 188,659; Feb. 26.
Bowker, John R., Somerville, Mass. Puzzle game. 187,195; Feb. 26.
Brain, Percival W., doing business as The New Health Laboratories, Lynn, Mass. Tonic tablets. 184,378; Feb. 26.
Brewer-Gibbs Medicine Company. (See Gibbs, John A. M.)
Brookshire Cheese Co., Plymouth, Wis. Cheese. 188,359–60; Feb. 26.
Bryant, Edward, Company, Boston, Mass. Lime. 185,952; Feb. 26.
Buddle Equipment Company, The, Cleveland, Ohio. Valve lifters. 189,657; Feb. 26.
Burlock, Sophia, Chicago, Ill. Preparation for the treatment of the hair and scalp. 186,943; Feb. 26.
C & G Company, The, assignor to The Greely Corporation, San Francisco, Calif. Game. 184,381; Feb. 26.
California Honey Distributors, Chico, Calif. Honey. 188,662; Feb. 26.
California Rex Spray Company, Benicia, Calif. Spray materials, insecticides, fungicides, etc. 187,036; Feb. 26.
Capital Paper Company, Indianapolis, Ind. Toilet paper. 190,671; Feb. 26.
Carew Manufacturing Company, South Hadley Falls, Mass. Paper and envelopes. 190,492; Feb. 26.
Chapin-Sacks Corporation, Washington, D. C. Chocolate-coated ice-cream bars. 164,867; Feb. 26.
Chase Candy Company, St. Joseph, Mo. Candy. 188,585; Feb. 26.
Chase Diet Sanitarium, The. (See Cooke, Mildred C.)
Cheney Brothers, South Manchester, Conn. Pile fabrics in the piece. 190,006; Feb. 26.
Chevraline Manufacturing Co., Inc. (See Addiscott, Herbert C., assignor.)
Chicago Roller Skate Company, Chicago, Ill. Children's sleds. 189,708; Feb. 26.
Consortium f. elektrochemische Industrie, G. m. b. H., Munich, Germany. Synthetic resins. 181,513; Feb. 26.
Cooke, Mildred C., doing business as The Chase Diet Sanitarium, Los Angeles, Calif. Wafers used as a substitute for bread. 188,232; Feb. 26.
Courtaulds, Limited, London, England. Silk piece goods. 189,448; Feb. 26.
Cramerton Mills, Incorporated, Cramerton, N. C. Yarn-dyed fancy-patterned cotton piece goods. 183,097; Feb. 26.
Cross, Charles, San Francisco, Calif. Apparatus used for the treatment of foot ailments, etc. 189,152; Feb. 26.
Dalley, F. F., Company, Inc., Buffalo, N. Y. Auto body polish. 188,747; Feb. 26.
Dermay Co. (See Baum, Jerome E.)
Diem & Wing Paper Co., The, Cincinnati, Ohio. Ledger paper. 190,580; Feb. 26.
Dorham Chemical Works. (See Hamel, Leo C.)
Dover Stamping & Manufacturing Company, Cambridge, Mass. Milk and dairy pails, covered buckets, milk cans, etc. 189,669; Feb. 26.
Dover Stamping & Manufacturing Company, Cambridge, Mass. Egg beaters, scoops, cake, biscuit, and doughnut cutters, etc. 189,885; Feb. 26.
Dover Stamping & Manufacturing Company, Cambridge, Mass. Measuring containers and measures for liquids. 189,886; Feb. 26.
Drug Products Co. Inc., The, Long Island City, N. Y. Suppositories used in the treatment of diabetes. 185,331; Feb. 26.
Dryco Products Company, Kansas City, Mo. Paints and stains. 186,831; Feb. 26.
Duncan, John L., doing business as J. L. Duncan, jr., and Duncans, Manchester, England. Tobacco pouches. 184,896; Feb. 26.
Dupiech, Jas. M., Bottling Co., St. Louis, Mo. Beverages sold as soft drinks and sirups and extracts for making same. 190,450; Feb. 26.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 175,474; Feb. 26.
Eagle Pencil Company, New York, N. Y. Lead pencils. 190,539; Feb. 26.
Elco Paint Products, Inc., New York, N. Y. Paint enamels, flat white, varnishes, etc. 190,011; Feb. 26.
Electrified Water and Machine Company, Dallas, Tex. Sparkling water, a carbonated-water drink. 187,809; Feb. 26.
Ellinwood Milling Co., Ellinwood, Kans. Wheat flour. 175,817; Feb. 26.
Ely & Walker Dry Goods Company, St. Louis, Mo. Woolen piece goods. 128,630; Feb. 26.
Enas, R. A., Garden Valley, Tex. Concrete fence and other posts. 188,994; Feb. 26.
Endicott Johnson Corporation, Endicott, N. Y. Shoes. 188,670; Feb. 26.
Euziere, H., & Cie., Grasse, France. Perfume concentrates. 189,846; Feb. 26.
Excello Products Corporation, Cicero, Ill. Desks, tables, telephone desks, and radio cabinets. 186,498; Feb. 26.
Fabrique d'Horlogerie "La Champagne" Louis Müller & Cie. S. A., Bienne, Switzerland. Watches, parts of watches, and wstchcases. 190,245–7; Feb. 26.
Fair Trading Co., Inc., New York, N. Y. Pearls. 190,499; Feb. 26.
Federico Macaroni Mfg. Co., Inc., New Orleans, La. Macaroni, spaghetti, and tomato paste. 187,102; Feb. 26.
Flood, R. E., Company, The. (See Kraw, Rolland L.)
Florome Chemical Corporation, New York, N. Y. Raw materials for the perfumery, soap, and toilet water manufacturers. 185,014; Feb. 26.
Flory Milling Company, Bangor, Pa. Flour. 186,833; Feb. 26.
Flory Milling Company, Bangor, Pa. Horse, cattle, and poultry feeds and grains. 186,834; Feb. 26.
Follmer Clogg & Co., New York, N. Y. Umbrellas and parasols. 153,595; Feb. 26.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 190,251; Feb. 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 171,355; Feb. 26.
Foster, Frank, Kansas City, Mo. Respirators. 190,500; Feb. 26.
Frank, Edwin C., doing business as The Morrison Co., Philadelphia, Pa. Preparation for making a filling for lemon pie, mating lemon butter, etc. 187,156; Feb. 26.
Fraser, Coll. B., Montebello, Calif. Automobile top and leather dressings. 188,544; Feb. 26.
Fry, Nelson, Philadelphia, Pa. Face lotion. 187,456; Feb. 26.
G & G Fruit Co. (See Gumperts & Gottfried.)
Gibbs, John A. M., doing business as Brewer-Gibbs Medicine Company, Cairo, Ill. Blood purifiers, medicine for treatment of appendicitis and stomach troubles. 184,722; Feb. 26.
Gigante & Company, Incorporated, New York, N. Y. Magnesium oxide. 181,180; Feb. 26.
Gold Sealed Denture Process Co., Inc., New York, N. Y. Artificial dentures. 188,413; Feb. 26.
Goldsmith & Co., Inc., New York, N. Y. Turpentine. 189,890; Feb. 26.
Gomei-Kaisha Sanda Honten, Nagoya, Aichi, Japan. Vinegar. 173,180; Feb. 26.
Goodhand, Beckel & John, Inc., Wilmington, Del., and New York, N. Y. Fabric gloves. 184,608; Feb. 26.
Goodmade Pure Food Co. Reg., Newark, N. J. Macaroni, spaghetti, and egg noodles. 183,119; Feb. 26.
Gosciewski, Kazmiera, Jackson, Mich. Medicines to cure cold. 179,006; Feb. 26.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Canned sardines. 190,641; Feb. 26.
Great Western Gypsum Co., Los Angeles, Calif. Dental cementing materials. 190,335; Feb. 26.
Greely Corporation, The. (See C & G Company, assignor.)
Grennan Cake Corporation, Detroit, Mich. Cakes, cookies, coffee cakes, etc. 190,405–6; Feb. 26.
Grennan Cake Corporation, Detroit, Mich. Bread, cakes, fried cakes, and coffee cakes. 190,408; Feb. 26.
Grennan Cake Corporation, Detroit, Mich. Bread, rolls, cakes, etc. 190,409; Feb. 26.
Grieninger, George V., Los Angeles, Calif. Fresh citrous fruits. 188,783; Feb. 26.
Gumperts & Gottfried, also doing business as G & G Fruit Co., Oxnard, Calif. Fresh vegetables, deciduous and citrous fruits. 184,609; Feb. 26.
Hamel, Leo C., doing business as Dorham Chemical Works, River Rouge, Mich. Eye and hand lotion, preparations for the treatment of the throat and medicated salve. 183,971; Feb. 26.
Hart & Co., Elmira, N. Y. Preparations for holding false teeth in place. 190,587; Feb. 26.
Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, etc., handles. 189,405; Feb. 26.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 182,804; Feb. 26.
Heller, B., & Company, Chicago, Ill. Cereal products used as a binder in sausage, meat loaves, etc. 171,758; Feb. 26.
Henderson Lithographing Co., The, Norwood, Cincinnati, Ohio. Signs made of metal, wood, and celluloid. 189,503; Feb. 26.
Hilander, K. Paul, doing business as Maydale Spring Company, Maynard, Mass. Beverage sold as a soft drink and syrup for making the same. 189,406; Feb. 26.
Hill, H. G., Company, Nashville, Tenn. Coffee and tea. 166,689; Feb. 26.
Hill, H. G., Company, Nashville, Tenn. Wheat flour, tea, coffee, and corn meal. 166,690; Feb. 26.
Hohner, M., New York, N. Y. Mouth harmonicas. 190,376–7; Feb. 26.
Holland-O'Neal Milling Co., Mount Vernon and Springfield, Mo. Corn meal. 187,106; Feb. 26.
Hollins, William, & Company, Limited, London and Mansfield, England. Fabrics in the piece made of wool and mixtures of same. 146,506; Feb. 26.
Hunt Brothers Packing Company, San Francisco, Calif. Canned and dried fruits and canned fish. 186,510; Feb. 26.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 187,464; Feb. 26.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 187,520; Feb. 26.
Hunt, Helm, Ferris & Co., Harvard, Ill. Track for garage and barn doors. 189,785; Feb. 26.
Hunt, Helm, Ferris & Co., Harvard, Ill. Garage and barn door track. 189,788; Feb. 26.
Interwoven Stocking Company, New Brunswick, N. J. Men's and boys' half hose or socks. 182,589; Feb. 26.
Jelke, O. K., & Son, Quitman, Ga. Salted peanuts, peanut butter, and peanut-butter sandwiches. 189,901; Feb. 26.
Jenkins Manufacturing Company, Inc., Bloomfield, N. J. Valves, valve wheels, valve and pipe fittings. 188,310; Feb. 26.
Jenkins, W. M., Pittsburgh, Pa. Oil burner. 190,928; Feb. 26.
Jewel Watch Co., Inc., New York, N. Y. Watchcases and watch movements. 190,840; Feb. 26.
Johnson, Edward S., Wellesley Hills, Mass. Cleaning compound for cleaning enamel and porcelain, metals, etc. 186,235; Feb. 26.
Julian Petroleum Corporation, Wilmington, Del., and Los Angeles, Calif. Gasoline, lubricating oils and greases. 184,405; Feb. 26.
Kantor Brothers, New York, N. Y. Pearl necklaces. 189,128; Feb. 26.
Karegeannes, Stephen K., doing business as New York Barber Supply Co., Milwaukee, Wis. Toilet water or hair tonic. 189,855; Feb. 26.
Katten, Arthur A., Company Inc., New Orleans, La. Work pants. 170,250; Feb. 26.
Kayton, Lewis, doing business as Mission Candies, San Antonio, Tex. Mexican pecan candy and other candies. 178,614; Feb. 26.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 189,628; Feb. 26.
Kelnore Company, San Francisco, Calif. Complexion bags, shampoo, cold cream, and lotion. 183,882; Feb. 26.
Kemp, Walter D., New York, N. Y. Fruit sauce and fruit pulp. 188,208–9; Feb. 26.
Kirby, Jesse G., Dallas, Tex. Portable collapsible lunch stands. 189,129; Feb. 26.
Klax-Ko Co. (See Marshall, George A.)
Klute-Fleming Packing Co., San Francisco and Manteca, Calif. Canned vegetables. 190,346; Feb. 26.
Kori, John B., doing business as United States Remedy Co., Jacksonville, Fla. Tonic used in the treatment of malaria, chills, fever, etc. 186,556; Feb. 26.
Krew, Rolland L., doing business as The R. E. Flood Company, Cincinnati, Ohio. Soap. 189,414; Feb. 26.
Krieger, A. H., Los Angeles, Calif. Diatomaceous earth. 189,251; Feb. 26.
Kurfees, J. F., Paint Company Incorporated, Louisville, Ky. Floor varnish. 190,101; Feb. 26.
Lasco Shellac Company, Baltimore, Md. Stove finish. 190,548; Feb. 26.
La Sierra Heights Canning Co. Inc., Arlington Station, Calif. Canned vegetables and fruits. 189,638; Feb. 26.
Lassen, Gustav, Walnut, Iowa. Automobile curtain-supporting rods. 184,250; Feb. 26.
Leach Company, Oshkosh, Wis. Concrete and paving mixers, portable saw rigs, power pumps, etc. 190,058; Feb. 26.
Leeco Growers and Packers, Incorporated, Fort Myers, Fla. Fresh citrous fruits. 180,868; Feb. 26.
Lewis, Paul G., Los Angeles, Calif. Bread. 176,297; Feb. 26.
Liberty Fireworks Co. (See Stone, Maurice A.)
Little, A. E., Company, Lynn, Mass. Machines for manufacturing boots and shoes. 186,431; Feb. 26.
Locatelli, Ercole H., New York, N. Y. Cheese. 18,764; Feb. 26.
Luthy, Frederick A., Jackson, Mich. Valve-grinding tools, screw drivers, wrenches, etc. 187,227; Feb. 26.
MacLean Drug Company, Chicago, Ill. Electric vibrators, manicure sets, hot-water bottles, etc. 178,754; Feb. 26.
Marmac Products Co., Washington, D. C. Stove paste and polish. 190,734; Feb. 26.
Marshall, George A., doing business as Klax-Ko Co., Logansport, Ind. Medicines for treating gallstones and liver complaint. 188,849; Feb. 26.
Marshall-Wells Company, Duluth, Minn. Outing tents. 189,798; Feb. 26.
Martin Band Instrument Company, The, Elkhart, Ind. Horns, saxophones, and clarinets. 189,859; Feb. 26.
Martin, Joseph R., McKeesport, Pa. Healing ointment. 187,011; Feb. 26.
Marvellum Company, The, Holyoke, Mass. Cover paper. 190,421; Feb. 26.
Maydale Spring Company. (See Hilander, K. Paul.)
Mead Sales Company, The, Dayton, Ohio. Mimeograph print paper and antique paper and bulking bookpaper. 185,789; Feb. 26.
Merck & Co., New York, N. Y. Peroxide preparations. 189,684; Feb. 26.
Merrell, William S., Company, The, Cincinnati, Ohio. Chloral and bromides compound. 189,368; Feb. 26.
Merrill Silk Company, Hornell, N. Y. Gloves, hosiery, and underwear. 187,584; Feb. 26.
Merritt Manufacturing Company, Lockport, N. Y. Veneer-drying machines. 189,807; Feb. 26.
Midwest and Gulf Products Company, Tulsa, Okla. Lubricating oils and greases. 189,332; Feb. 26.
Miller, Joseph V., doing business as Miller Glove Co., Massillon, Ohio. Surgeons' rubber gloves. 190,172; Feb. 26.
Milnesia Laboratories, The, Atlanta, Ga. Cathartics. 189,635–6; Feb. 26.
Minnespo Co., The, Minneapolis, Minn. Food-flavoring extracts. 187,585; Feb. 26.
Mission Candies. (See Kayton, Lewis.)
Morrison Co., The. (See Frank, Edwin C.)
Morse, Grace A., Boston, Mass. Emulsified liniment. 181,139; Feb. 26.
Narrow Fabric Co., The, West Reading, Pa. Rickrack, woven and braided elastic and trimming. 185,000; Feb. 26.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Nelson, James, Limited, Nelson, England. Mercerised sewing cotton. 189,333; Feb. 26.
Neuburger & Company, New York, N. Y. Dress linens—viz, piece goods—and cotton and woolen piece goods. 187,478; Feb. 26.
Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned sardines. 171,861; Feb. 26.
Neuss, Hesslein, & Co., Inc., New York, N. Y. Cotton piece goods. 188,854; Feb. 26.
New England Enameling Company, The, Middletown, Conn. Dishes and utensils for kitchen and household use. 187,171; Feb. 26.
New Health Laboratories, The. (See Brain, Percival W.)
Newman Clock Company, Inc., New York, N. Y. Time clocks, time-recording apparatus and parts for same. 183,937; Feb. 26.
New York Barber Supply Co. (See Karegeannes, Stephen K.)
Non-Acid Fertilizer & Chemical Co., Lakeland, Fla. Fertilizers. 190,203–4; Feb. 26.
Norma-Compagnie G. m. b. H., Cannstatt-Stuttgart, Germany. Ball and roller bearings, balls, rollers, etc. 182,520; Feb. 26.
North Abington Machine Company, The, North Abington, Mass. Eyeleting machines. 190,026; Feb. 26.
Nucho, Nami K., Chester, Pa. Medicine for use as a general tonic. 186,483; Feb. 26.
Nunn, Bush & Weldon Shoe Co., Milwaukee, Wis. Men's leather shoes. 188,696; Feb. 26.
Oatman Condensed Milk Company, The, Dundee, Ill. Evaporated skimmed milk. 185,761; Feb. 26.
Packard Motor Car Company, Detroit, Mich. Radiator covers for motor vehicles. 189,068; Feb. 26.
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Soap. 184,794; Feb. 26.
Parfumerie Roger et Gallet, Paris, France. Soaps. 185,144; Feb. 26.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, hair, and perfumery. 185,145; Feb. 26.
Parker Pen Co., The, Janesville, Wis. Writing-fluid ink. 189,135; Feb. 26.
Peake, H. D., Company, Inc., New York, N. Y. Cotton fabrics. 190,554; Feb. 26.
Pecora Paint Co., Philadelphia, Pa. Acidproof cement or lute, acid fumes, etc. 186,608; Feb. 26.
Peirce, George E., doing business as Thomas F. Peirce & Son, Providence, R. I. Shoes, boots, slippers, rubbers, and overshoes. 189,267; Feb. 26.
Pennsylvania Soap Company of Lancaster, Pa., Lancaster, Pa. Soaps. 189,138; Feb. 26.
Perry Tool Company, Spokane, Wash. Tools, and specifically thread re-forming devices. 188,609; Feb. 26.
Peters, James T., doing business as K. K. Manufacturing Co., Los Angeles, Calif. Nonskid attachments and traction shoes used on vehicle wheels. 189,926; Feb. 26.
Pond, Erasmus A., Brooklyn, N. Y. Medicinal remedies used in the treatment of diabetes. 184,983; Feb. 26.
Pond, Erasmus A., Brooklyn, N. Y. Medicinal remedies for hay fever, spring catarrh, etc. 185,935; Feb. 26.
Pond, Erasmus A., Brooklyn, N. Y. Medicinal remedies used in the treatment of optic-nerve atrophies, hemorrhages of the eye, etc. 185,936; Feb. 26.
Powell, Bessie S., doing business as Beth Tantum, Los Angeles, Calif. Preserved ginger and marmalade. 183,501; Feb. 26.
Powers Paper Company, Springfield, Mass. Printing and writing papers, writing tablets, etc. 188,100; Feb. 26.
Prante, John H., Dallas, Tex. Surgical splint. 190,518; Feb. 26.
Protexol Corporation, New York, N. Y. Wood-preserving material. 184,985–6; Feb. 26.
Protexol Corporation, New York, N. Y. Colorless and odorless wood preservative. 184,987; Feb. 26.
Prunier & Cie., Paris, France. Preventive and a treatment for rheumatism. 189,475; Feb. 26.
Pullman Company, The, Chicago, Ill. Railway cars. 188,377; Feb. 26.
Quaker Oil Products Corporation, Conshohocken, Pa. Oleaginous preparation used as a wool and worsted lubricant or grease. 186,855; Feb. 26.
Raisley, John C., New Haven, Conn. Kitchen and table knives and forks. 189,865; Feb. 26.
Randall, A. L., Company, Chicago, Ill. Reed chairs, rockers, settees, and tables, etc. 187,836; Feb. 26.
Reese & Reese, Baltimore, Md. Papers. 190,469; Feb. 26.
Rialto Barber Shop, Inc., New York, N. Y. Hair tonic. 189,010; Feb. 26.
Romero Drug Co. (See Asbell, Mellege S.)
Rothschild, Sol, A., Company, Inc., Chicago, Ill. Fabric gloves. 187,840; Feb. 26.
Royal Sales Company, Providence, R. I. Hair nets. 190,209; Feb. 26.
Safety Hone Company, Chicago, Ill. Razor-blade-sharpening machines. 189,892; Feb. 26.
Salvo Manufacturing Company, San Jose, Calif. Mechanics' soap. 189,917; Feb. 26.
Schindler, Walter R., Los Angeles, Calif. Seed and plant protectors. 190,210; Feb. 26.
Schlesinger, Harry L., Atlanta, Ga. Candy and crackers. 180,390; Feb. 26.
Schmeer, Bernard, New York, N. Y. Eyedrops and eye ointment. 189,644; Feb. 26.
Schwab, Louis, doing business as Stevens & Co., New York, N. Y. Mechanics' tools. 190,067; Feb. 26.
Self Starter Publishing Company, The, Minneapolis, Minn. Title of a monthly publication. 189,173; Feb. 26.
"Sentinel" Waggon Works (1920) Limited, The, London, England. Steam tractors. 188,143; Feb. 26.
Seubert, Justin, Inc., Syracuse, N. Y. Cigars. 183,635; Feb. 26.
Sheets, Harmon, doing business as Sheets Oil Company, Fort Wayne, Ind. Kerosene and gasoline. 189,142; Feb. 26.
Smith & Holden, New York, N. Y. Fresh apples, citrous fruits, grapes, and melons, etc. 187,776–9; Feb. 26.
Societe Anonyme "Banania" Courbevoie, France. Prepared cereal flour. 190,317; Feb. 26.
Société Job, Anciens Etablissements Bardou-Job et Paulhac, Perpignan and Toulouse, France. Cigars, smoking tobacco, snuff, etc. 188,977; Feb. 26.
Somerville Machine & Foundry Co., Somerville, Mass. Fruit crushers. 190,034; Feb. 26.
Standard Felt Company, West Alhambra, Calif. Boots, shoes, and slippers. 173,253; Feb. 26.
Standard Oil Company of Louisiana, Baton Rouge, La. Leather oil, harness oil, and belt dressing. 190,213; Feb. 26.
Stearns, Frederick & Company, Detroit, Mich. Flavorings for beverages. 190,819; Feb. 26.
Stevens & Co. (See Schwab, Louis.)
Stone, Maurice A., doing business as Liberty Fireworks Co. Fireworks. 188,718; Feb. 26.
Strain, Herbert G., San Francisco, Calif. Pliers for holding and guiding universal joint of automobile or truck. 190,363; Feb. 26.
Stroock, S. & Company, Inc., New York, N. Y. Cashmere cloth. 190,558; Feb. 26.
Talpa, Henry C., doing business as Talpa Engine Works, Chicago, Ill. Steam engines. 187,549; Feb. 26.
Texas Bread Company, Houston, Tex. Bread, rolls, buns, and other pastry. 179,067; Feb. 26.
Thames Drug Company, Inc., Beaumont, Tex. Medicinal preparation used in the treatment of colds, headaches, and la grippe. 189,698; Feb. 26.
Tooth-White Laboratories. New Philadelphia, Ohio. Dentifrice. 189,339; Feb. 26.
Trenton Milling Company, Trenton, Ill. Self-rising wheat flour. 190,182; Feb. 26.
Union Sulphur Company, The, New York, N. Y. Sulphur. 186,812; Feb. 26.
United Drug Company doing business as United Candy Company, Boston, Mass. Candy. 184,877; Feb. 26.
United States Envelope Company, Springfield, Mass. Envelopes. 190,526; Feb. 26.
United States Remedy Co. (See Kori, John B.)
Van Camp Hardware & Iron Company, Indianapolis, Ind. Sprinkler cans, garbage cans, lard cans, etc. 189,538; Feb. 26.
Voss & Stern, New York, N. Y. Silk crêpes. 177,932; Feb. 26.
Wakeman, Anna, St. Petersburg, Fla. Medicinal preparation for the treatment of asthma. 185,096; Feb. 26.
Warner-Patterson Company, Chicago, Ill. Oil or grease ejecting tools. 190,074; Feb. 26.
Watrous, Anne, & Co., Yonkers, N. Y. Candles. 183,783; Feb. 26.
Wellman Wieber Checkers Company, The, Cleveland, Ohio. Shock absorbers for vehicles. 189,700; Feb. 26.
Wheeler & Motter Mercantile Company, St. Joseph, Mo. Hosiery. 189,841; Feb. 26.
White Mop Wringer Company, Fultonville, N. Y. Child's swing. 189,094; Feb. 26.
Winold Reiss Decorating Co. Inc., New York, N. Y. Plaques for decorative purposes and reproductions thereof. 190,140; Feb. 26.
Withers, W. A., Shoe Co., Elizabethtown, Pa. Leather shoes. 180,998; Feb. 26.
Withers, W. A., Shoe Co., Elizabethtown, Pa. Leather shoes. 186,343; Feb. 26.
Wolff, Milton W., West Allis, Wis. Preparations for the treatment of hair and scalp. 187,974; Feb. 26.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 190,325; Feb. 26.
Wright's Underwear Company, Incorporated, New York, N. Y. Knitted and textile garments. 179,345; Feb. 26.
Yerkes, Harry A., New York, N. Y. Phonograph records. 189,997; Feb. 26.
York Mfg. Co., Saco, Me., and Boston, Mass. Cotton piece goods. 186,262; Feb. 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Kalamazoo Ice & Fuel Company. 180,258; Feb. 26; Serial No. 185,595; published Dec. 11, 1923.

CLASS 4.

Cleaning and polishing preparation. J. Carr. 180,452; Feb. 26.

Papers or cloths, Abrasive. H. H. Barton and Son Co. 180,294; Feb. 26; Serial No. 170,001; published Dec. 4, 1923.

Polish and dressing, Shoe. S. M. Bixby & Co. 180,396; Feb. 26; Serial No. 187,083; published Dec. 4, 1923.

Soap. E-Z-Way Co. 180,266; Feb. 26; Serial No. 183,648; published Dec. 4, 1923.

Soap. Northern Jobbing Company. 180,475; Feb. 26.

Soap cream for shaving. Andron Hygienic Company. 180,385; Feb. 26; Serial No. 186,265; published Dec. 11, 1923.

CLASS 6.

Alteratives. Parke, Davis & Company. 180,216; Feb. 26; Serial No. 184,180; published Nov. 27, 1923.

Antiseptic and healing preparation. H. D. Clark. 180,344; Feb. 26; Serial No. 183,962; published Nov. 27, 1923.

Antiseptic solution. M. Vavra. 180,176; Feb. 26; Serial No. 182,622; published Dec. 4, 1923.

Antiseptics and germicides. Parke, Davis & Company. 180,217; Feb. 26; Serial No. 184,182; published Nov. 27, 1923.

Aspirin tablets. J. T. Noell. 180,168; Feb. 26; Serial No. 184,473; published Nov. 27, 1923.

Baking powder and cream of tartar. Reid, Murdoch & Co. 180,174; Feb. 26; Serial No. 184,422; published Nov. 27, 1923.

Baking powder, cream of tartar, bluing, and ammonia. Oakford & Fahnestock. 180,289; Feb. 26; Serial No. 169,920; published Dec. 4, 1923.

Brilliantine. Marinello Company. 180,170; Feb. 26; Serial No. 184,979; published Dec. 4, 1923.

Carbon remover, Liquid. National Compound Co. 180,231; Feb. 26; Serial No. 179,312; published Nov. 20, 1923.

Chemical preparation. Boyce & Veeder Company. 180,418; Feb. 26; Serial No. 182,127; published Oct. 30, 1923.

Chemical preparations used for deodorizing and disinfecting. W. J. Howell. 180,207; Feb. 26; Serial No. 185,252; published Nov. 27, 1923.

Clay, Complexion. Wonderlite Products Company. 180,191; Feb. 26; Serial No. 184,484; published Dec. 4, 1923.

Clay face pack, hair dressing and tonic, almond lotion, etc., Creo-. Van Vleet Mansfield Drug Co. 180,330; Feb. 26; Serial No. 179,609; published Dec. 4, 1923.

Color-stripping or dye-removing compound. John Campbell & Co. 180,160; Feb. 26; Serial No. 184,590; published Dec. 4, 1923.

Color-stripping or dye-removing compound. John Campbell & Co. 180,187; Feb. 26; Serial No. 184,589; published Dec. 4, 1923.

Compound for treating eyelashes and eyelids. J. B. Gattas. 180,218; Feb. 26; Serial No. 184,130; published Nov. 27, 1923.

Corn remedy. J. D. Zemp. 180,157; Feb. 26; Serial No. 184,702; published Dec. 4, 1923.

Cream and hair dressing, Greaseless cold. Graves Bros. 180,227; Feb. 26; Serial No. 179,196; published Nov. 20, 1923.

Cream, Cold. Bonded Products Corporation. 180,184–5; Feb. 26; Serial Nos. 184,585–6; published Dec. 4, 1923.

Cream for cleansing the skin, etc. Gilbert Bros. & Co. 180,278; Feb. 26; Serial No. 183,375; published Dec. 4, 1923.

Creams. Dakin Laboratories. 180,224; Feb. 26; Serial No. 184,896; published Dec. 4, 1923.

Creams, powders, rouges, etc. Palmers, Limited. 180,172; Feb. 26; Serial No. 184,292; published Nov. 27, 1923.

Disinfectants, deodorants, cleaners, etc. Pheno-Bane Products Co. 180,208; Feb. 26; Serial No. 183,720; published Dec. 4, 1923.

Dyes and dyestuffs. Grasselli Chemical Company. 180,180; Feb. 26; Serial No. 154,506; published Nov. 27, 1923.

Dyestuffs. Geigy Company. 180,158; Feb. 26; Serial No. 184,721; published Dec. 4, 1923.

Expectorant. Jno. B. Daniel Inc. 180,275; Feb. 26; Serial No. 183,518; published Dec. 4, 1923.

Germicide and worm remedy for stock. C. Hoepfner. 180,159; Feb. 26; Serial No. 184,729; published Dec. 4, 1923.

Glycerin and rose water, sweet spirits of niter, and turpentine. Warren P. Rash Co. 180,229; Feb. 26; Serial No. 177,620; published Nov. 27, 1923.

Hair cream. Youngstown Barber Supply Co. 180,333; Feb. 26; Serial No. 176,811; published Dec. 4, 1923.

Hair grower and scalp massage. J. Carrozza. 180,165; Feb. 26; Serial No. 185,073; published Dec. 4, 1923.

Hair growers temple growers, and pressing oil. M. F. Glenn. 180,188; Feb. 26; Serial No. 184,548; published Dec. 4, 1923.

Hair preparations. M. E. Thompson. 180,228; Feb. 26; Serial No. 177,246; published Nov. 20, 1923.

Hair-restorer compounds. J. Childers. 180,163; Feb. 26; Serial No. 185,004; published Dec. 4, 1923.

Hair tonic. A. De Brûle. 180,343; Feb. 26; Serial No. 183,961; published Nov. 27, 1923.

Halogen-bearing food for the thyroid gland. Thyro-Logen Laboratories. 180,360; Feb. 26; Serial No. 181,576; published Nov. 20, 1923.

Insecticide. I. D. Russell. 180,175; Feb. 26; Serial No. 184,424; published Nov. 27, 1923.

Insecticide. Standard Oil Company (New Jersey). 180,361; Feb. 26; Serial No. 181,872; published Nov. 27, 1923.

Insecticide preparation. B. Heller & Company. 180,219; Feb. 26; Serial No. 184,131; published Nov. 27, 1923.

Insecticides. Boll Weevil Destroyer Co. 180,214; Feb. 26; Serial No. 184,322; published Nov. 27, 1923.

Insecticides. Moth K-L Co. 180,236; Feb. 26; Serial No. 168,721; published Dec. 4, 1923.

Insecticides. C. A. B. Zook. 180,148; Feb. 26; Serial No. 184,885; published Dec. 4, 1923.

Insecticides. C. A. B. Zook. 180,149–50; Feb. 26; Serial Nos. 184,887–8; published Dec. 4, 1923.

Insecticides and fungicides. General Chemical Company. 180,345; Feb. 26; Serial No. 183,967; published Nov. 27, 1923.

Laxative herbal compound. B. E. Sherman. 180,223; Feb. 26; Serial No. 184,106; published Nov. 27, 1923.

Liniment and preparation for increasing growth of the hair. F. H. Colburn. 180,220; Feb. 26; Serial No. 184,161; published Nov. 27, 1923.

Lotion, Face. E. J. Jahn Company. 180,153; Feb. 26; Serial No. 184,861; published Dec. 4, 1923.

Lotion, Face and hand. G. F. Meyer. 180,408; Feb. 26; Serial No. 182,763; published Dec. 4, 1923.

Lotion, Skin. D. G. Israel. 180,152; Feb. 26; Serial No. 184,960; published Dec. 4, 1923.

Lye products. J. Picot. 180,328; Feb. 26; Serial No. 180,774; published Dec. 4, 1923.

Medicinal capsule. N. P. Steckler. 180,177; Feb. 26; Serial No. 182,682; published Dec. 4, 1923.

Medicinal powder. W. S. Pollard. 180,363; Feb. 26; Serial No. 180,140; published Nov. 20, 1923.

Medicinal preparation. Fluensol Proprietary Ltd. 180,233; Feb. 26; Serial No. 169,896; published Dec. 4, 1923.

Medicinal preparation for the treatment of the stomach. Kleker Chemical Company. 180,440; Feb. 26.

Medicine for coughs, etc. G. C. O'Neil. 180,193; Feb. 26; Serial No. 184,511; published Dec. 4, 1923.

Medicine for the relief of pain. J. E. Hammond. 180,303; Feb. 26; Serial No. 167,916; published Dec. 4, 1923.

Medicine for treatment of syphilis. Parke, Davis & Company. 180,215; Feb. 26; Serial No. 184,181; published Nov. 27, 1923.

Medicine, Rheumatism. Blackburn Products Company. 180,183; Feb. 26; Serial No. 181,473; published Nov. 27, 1923.

Moth and insect preventive. Lawlor-McCormick Co. 180,357; Feb. 26; Serial No. 181,899; published Nov. 27, 1923.

Ointment. A. Malcuit. 180,192; Feb. 26; Serial No. 184,507; published Dec. 4, 1923.

Ointment for burns, cuts, etc. Columbus Chemical Company. 180,238; Feb. 26; Serial No. 165,745; published Dec. 4, 1923.

Perfume extract, toilet water, lotions, etc. L. T. Piver, Inc. 180,212; Feb. 26; Serial No. 184,183; published Nov. 27, 1923.

Perfume, toilet water, sachet, cold cream, etc. Adolf D. Lindemann & Son. 180,359; Feb. 26; Serial No. 181,951; published Nov. 20, 1923.

Perfumes, toilet water, face powder, etc. Coty, Inc. 180,226; Feb. 26; Serial No. 180,101; published Nov. 20, 1923.

Perfumes, toilet water, face powders, etc. L. Philippe. 180,171; Feb. 26; Serial No. 184,096; published Nov. 27, 1923.

Perfumes, toilet water, sachet, etc. M. V. Anderson & Company. 180,323; Feb. 26; Serial No. 180,955; published Dec. 4, 1923.

Perfumes, toilet waters, face and talcum powders, etc. George W. Button Corporation. 180,167; Feb. 26; Serial No. 184,434; published Nov. 27, 1923.

Powder, bath talcum, and perfume, Talcum and face. Lournay, Inc. 180,405; Feb. 26; Serial No. 181,448; published Nov. 27, 1923.

Powder, cold and vanishing cream, lip stick, etc., Face. P. Antle. 180,413; Feb. 26; Serial No. 182,894; published Dec. 4, 1923.

Powder, Conditioning. Gilbert Bros. & Co. 180,283; Feb. 26; Serial No. 183,373; published Dec. 4, 1923.

Powder, Face. Friedrich-Friedrich Co. 180,151; Feb. 26; Serial No. 184,819; published Dec. 4, 1923.

Powders and creams, perfumes, toilet waters, etc., Face. W. H. Johnson. 180,242; Feb. 26; Serial No. 162,929; published Nov. 20, 1923.

Powders, face creams, perfumes, etc., Face and talcum. P. E. Page. 180,147; Feb. 26; Serial No. 184,982; published Dec. 4, 1923.

Powders, rouges, etc., Face. Loesser Manufacturing Company. 180,371; Feb. 26; Serial No. 169,159; published Oct. 17, 1922.

Preparation for polishing and dyeing shoes and leather articles. L. F. Christman. 180,173; Feb. 26; Serial No. 184,382; published Nov. 27, 1923.

Preparation for the removal of superfluous hair. Jean Jordeau Inc. 180,441; Feb. 26.

Preparation for treatment of indigestion. Dr. R. Arcularius. 180,182; Feb. 26; Serial No. 175,697; published Dec. 4, 1923.

Preparation intended to remove superfluous fat. Modern Pharmacal Co. 180,161; Feb. 26; Serial No. 184,616; published Dec. 4, 1923.

Preparation used for gland invigorator treatments. O. S. Schmidt. 180,162; Feb. 26; Serial No. 184,623; published Dec. 4, 1923.

Preparations for germicidal, insecticidal, and deodorant purposes, etc. G. T. Wilson. 180,166; Feb. 26; Serial No. 185,277; published Nov. 27, 1923.

Rouge. Armand Company. 180,284; Feb. 26; Serial No. 183,244; published Dec. 4, 1923.

Saline preparation for rheumatism, kidney disorders, etc. Saltrates Limited. 180,276; Feb. 26; Serial No. 183,598; published Dec. 4, 1923.

Salts, Bath. L. S. Thomas. 180,155; Feb. 26; Serial No. 184,628; published Dec. 4, 1923.

Salves and ointments. Endazoin Company. 180,346; Feb. 26; Serial No. 184,026; published Nov. 27, 1923.

Scenting purposes, Natural and synthetic products used for. Ungerer & Company. 180,265; Feb. 26; Serial No. 184,998; published Dec. 4, 1923.

Serum, Anti-hog-cholera. Anchor Serum Company. 180,222; Feb. 26; Serial No. 184,053; published Nov. 27, 1923.

Shampoo preparations. G. Pagonis. 180,285; Feb. 26; Serial No. 183,312; published Dec. 4, 1923.

Solution, composition, or mixture for the removal or prevention of incrustation or corrosion in steam generators, etc. Hughes and Hancock. 180,230; Feb. 26; Serial No. 178,667; published Nov. 20, 1923.

Tablet, Liver. T. E. Smith. 180,179; Feb. 26; Serial No. 181,541; published Nov. 20, 1923.

Tablets, Cold. C. R. Birchfiel. 180,181; Feb. 26; Serial No. 167,377; published Nov. 27, 1923.

Tablets for nervousness, headaches, anæmia, etc. Taylor Gland Research Laboratories. 180,274; Feb. 26; Serial No. 183,457; published Dec. 4, 1923.

Tanning extracts. Tannin Corporation. 180,264; Feb. 26; Serial No. 184,995; published Dec. 4, 1923.

Tea, Medicinal. F. Forowicz. 180,282; Feb. 26; Serial No. 183,370; published Dec. 4, 1923.

Toilet powders, toilet waters, after-shaving lotions, etc. J. B. Williams Company. 180,410; Feb. 26; Serial No. 182,525; published Dec. 4, 1923.

Tonic, General. Metropole Drug Company. 180,248; Feb. 26; Serial No. 151,279; published Nov. 20, 1923.

Tooth paste. A. L. Graham. 180,280; Feb. 26; Serial No. 183,448; published Dec. 4, 1923.

Tooth paste. S. S. White Dental Manufacturing Company. 180,164; Feb. 26; Serial No. 185,044; published Dec. 4, 1923.

Vermin exterminators. M. Maillard. 180,221; Feb. 26; Serial No. 184,033; published Nov. 27, 1923.

Waving and curling preparation for the hair. G. Pagonis. 180,281; Feb. 26; Serial No. 183,313; published Dec. 4, 1923.

CLASS 11.

Colors and marbling sizes, Ruling, edge, and marbling. H. Behlen & Bro. 180,259; Feb. 26; Serial No. 185,285; published Dec. 11, 1923.

Ink, Concentrated writing. Standard Ink Mfg. Co. 180,417; Feb. 26; Serial No. 181,871; published Nov. 20, 1923.

Inks, Stencil. R. E. Beckert. 180,424; Feb. 26; Serial No. 183,134; published Dec. 11, 1923.

Rubber-stamp pads and pad inks. E. Baumgarten. 180,304; Feb. 26; Serial No. 167,223; published Nov. 20, 1923.

CLASS 12.

Ganister. Keystone Refractories Company. 180,145; Feb. 26; Serial No. 184,944; published Dec. 11, 1923.

CLASS 13.

Door holders. Richards-Wilcox Manufacturing Company. 180,490; Feb. 26.

Nails and staples. G. X. Wendling. 180,254; Feb. 26; Serial No. 185,683; published Dec. 11, 1923.

Pipe lines, Expansion joints for. Howard Iron Works. 180,306; Feb. 26; Serial No. 186,233; published Dec. 11, 1923.

Rivets. Crescent Belt Fastener Company. 180,293; Feb. 26; Serial No. 169,200; published Dec. 11, 1923.

CLASS 14.

Steel and iron sheets and plates, Ingot molds, etc. Allegheny Steel Company. 180,380; Feb. 26; Serial No. 165,518; published Dec. 11, 1923.

CLASS 16.

Polish, Auto. Lee's Auto Polish Co. 180,435; Feb. 26.

CLASS 19.

Automobile bodies. Pullman Company. 180,384; Feb. 26; Serial No. 187,267; published Dec. 11, 1923.

Automobile bumper. Eaton Axle & Spring Company. 180,404; Feb. 26; Serial No. 186,632; published Dec. 11, 1923.

Automobile rear-view mirrors and windshield wings. Komomo Automotive Mfg. Co. 180,386–7; Feb. 26; Serial Nos. 186,278–9; published Dec. 11, 1923.

Cab bodies, Commercial. McCrea Mfg. Co. 180,300; Feb. 26; Serial No. 173,572; published Dec. 11, 1923.

Journal boxes and lids for railway cars. Allegheny Steel Company. 180,290; Feb. 26; Serial No. 169,795; published Dec. 11, 1923.

Shock absorbers. C. C. Cannan. 180,420; Feb. 26; Serial No. 182,331; published Dec. 11, 1923.

CLASS 21.

Automobiles, etc., Electrically-operated signals for. H. Leiser. 180,169; Feb. 26; Serial No. 184,975; published Dec. 4, 1923.

Batteries and parts thereof, Electric storage. Blue Ribbon Battery Company. 180,225; Feb. 26; Serial No. 179,652; published Nov. 20, 1923.

Cat whiskers. Foote Mineral Co. 180,205; Feb. 26; Serial No. 185,823; published Nov. 13, 1923.

Condensers, Variable. Fett & Kimmel Co. 180,209; Feb. 26; Serial No. 184,330; published Nov. 13, 1923.

Cookers, Electric. Excel Electric Co. 180,210; Feb. 26; Serial No. 184,716; published Nov. 20, 1923.

Detector crystals. Foote Mineral Co. 180,206; Feb. 26; Serial No. 185,822; published Nov. 13, 1923.

Electric-cable hangers. Everstick Anchor Company. 180,492; Feb. 26.

Electric hot plates. Liberty Gauge and Instrument Company. 180,355–6; Feb. 26; Serial Nos. 182,711–12; published Nov. 20, 1923.

Electrical and telephone apparatus. Cook Electric Company. 180,244; Feb. 26; Serial No. 152,785; published Nov. 20, 1923.

Electrical apparatus. City Electric Company. 180,354; Feb. 26; Serial No. 182,399; published Nov. 20, 1923.

Electrical starting, lighting, and ignition apparatus and parts thereof. Dayton Engineering Laboratories Company. 180,358; Feb. 26; Serial No. 181,942; published Nov. 20, 1923.

Electrical switches. Hart & Hegeman Manufacturing Company. 180,368; Feb. 26; Serial No. 161,728; published July 24, 1923.

Fireplaces, Artificial log for. W. E. Marshall. 180,351; Feb. 26; Serial No. 182,979; published Nov. 20, 1923.

Fuses, protective devices for radio apparatus, adapters, loud speakers, etc. M. B. Cohen. 180,353; Feb. 26; Serial No. 183,195; published Nov. 20, 1923.

Headlights of automobiles and motor cycles, Switch for dimming the. M. O. Devers. 180,211; Feb. 26; Serial No. 185,247; published Nov. 20, 1923.

Irons and toasters, Electric. Aagaard Distributing Corporation. 180,477; Feb. 26.

Lamps, Electric. Parch-O-Lite Co. 180,235; Feb. 26; Serial No. 174,026; published Nov. 20, 1923.

Lamps, Portable electric. Greist Manufacturing Co. 180,362; Feb. 26; Serial No. 180,978; published Nov. 20, 1923.

Locomotives. Mancha Storage Battery Locomotive Company. 180,469; Feb. 26.

Motors, generators, rotary converters, etc., Electric. Louis Allis Company. 180,349; Feb. 26; Serial No 183,790; published Nov. 13, 1923.

Motors, switchboards, etc., Electric. M. R. Rodrigues. 180,234; Feb. 26; Serial No. 172,123; published Nov. 20, 1923.

Ovens for the toasting of ice cream, Electric. Toasted Alaskas Corporation of America Limited. 180,241; Feb. 26; Serial No. 162,592; published Nov. 20, 1923.

Radio and telephone apparatus. Moss-Schury Mfg. Co. 180,352; Feb. 26; Serial No. 183,119; published Nov. 20, 1923.

Radio receiving and transmitting apparatus. Chicago Radio Apparatus Co. 180,236; Feb. 26; Serial No. 165,227; published Nov. 20, 1923.

Radio receiving apparatus. A. H. Grebe & Co. 180,237; Feb. 26; Serial No. 165,375; published Nov. 20, 1923.

Radio receiving apparatus and parts thereof. Pal Radio Company. 180,348; Feb. 26; Serial No. 183,537; published Nov. 20, 1923.
Radio receiving set to an electric-light circuit, Plugs for connecting a. U. S. Radio Company. 180,350; Feb. 26; Serial No. 183,565; published Nov. 20, 1923.
Radio receiving sets. Globe Art Mfg. Co. 180,232; Feb. 26; Serial No. 183,034; published Nov. 20, 1923.
Radio receiving sets and parts therefor. Metropolitan Radio Corporation. 180,480; Feb. 26.
Radio receiving sets and parts thereof. Mignon Electric Manufacturing Corp. 180,239; Feb. 26; Serial No. 167,005; published Nov. 20, 1923.
Radiotelephone receiving sets and attachments for same, Complete. Master Radio Corporation. 180,437; Feb. 26.
Rectifiers and rheostats, Electrical. Automatic Electrical Devices Company. 180,208; Feb. 26; Serial No. 185,403; published Nov. 13, 1923.
Transformers. Marie Engineering Company. 180,213; Feb. 26; Serial No. 184,252; published Nov. 13, 1923.
Transformers, condensers, amplifiers, etc. Acme Apparatus Company. 180,464; Feb. 26.
Wireless and electrical equipment. Teleradio Engineering Corporation. 180,240; Feb. 26; Serial No. 161,016; published Aug. 29, 1922.
Wireless or radio telephones and systems. A. W. Bowman & Company. 180,372; Feb. 26; Serial No. 158,853; published Mar. 28, 1922.

CLASS 22.

Toy dogs, Stuffed. Davis & Voetsch. 180,375; Feb. 26; Serial No. 146,905; published May 24, 1921.

CLASS 23.

Air compressors. Baker-Hansen Mfg. Co. 180,430; Feb. 26.
Engines, Diesel. Union Gas Engine Co. 180,144; Feb. 26; Serial No. 184,923; published Dec. 11, 1923.
Extractors and belt clamps. Crescent Belt Fastener Company. 180,292; Feb. 26; Serial No. 169,201; published Dec. 11, 1923.
Grease and oil cups and lubricators. Keystone Lubricating Company. 180,439; Feb. 26.
Jacks, Bed. Surgeons Specialty Company. 180,383; Feb. 26; Serial No. 165,419; published Dec. 11, 1923.
Pumps, atomizers, carburetors, etc. Penberthy Injector Company. 180,367; Feb. 26; Serial No. 161,061; published Dec. 11, 1923.
Razors, blades, and parts thereof, Safety. W. W. Everts. 180,261; Feb. 26; Serial No. 185,078; published Dec. 11, 1923.
Sprayers and parts therefor, Insecticide. "Friend" Manufacturing Co. 180,334; Feb. 26; Serial No. 176,823; published Dec. 11, 1923.
Wrenches. C. O. Poole. 180,479; Feb. 26.

CLASS 24.

Clothes-washing machines. In-Vu Manufacturing Company. 180,484; Feb. 26.
Pressing machines, Clothes-. American Laundry Machinery Company. 180,251; Feb. 26; Serial No. 185,809; published Dec. 4, 1923.
Washboards. National Washboard Company. 180,485–6; Feb. 26.
Washing machines. Meadows Mfg. Co. 180,336; Feb 26; Serial No. 178,053; published Dec. 11, 1923.
Washing machines and wringers. G. F. Mitchell & Son. 180,204; Feb. 26; Serial No. 183,754; published Dec. 4, 1923.
Washing machines, Clothes-. Storm Royalty Company. 180,423; Feb. 26; Serial No. 181,426; published Nov 20, 1923.

CLASS 25.

Window fasteners. A. C. Wheelock. 180,260; Feb. 26; Serial No. 185,068; published Dec. 11, 1923.

CLASS 26.

Glassware, Laboratory, chemical, and surgical. Hlergesell Brothers. 180,627; Feb. 26; Serial No. 180,663; published Dec. 11, 1923.
Sign-display machines and projectors, Automatic changeable-. Standard Slide Corporation. 180,426; Feb. 26; Serial No. 186,032; published Dec. 11, 1923.

CLASS 27.

Clocks. New Haven Clock Co. 180,154; Feb. 26; Serial No. 184,747; published Nov. 20, 1923.
Watchcases. Hellstrin-Stone Company. 180,373; Feb. 26; Serial No. 156,191; published Nov. 20, 1923.
Watchcases. A. Kamion. 180,196; Feb. 26; Serial No. 184,314; published Nov. 20, 1923.
Watchcases and watch movements. Illinois Watch Case Company. 180,202; Feb. 26; Serial No. 183,706; published Dec. 4, 1923.
Watch movements, watchcases therefor. Chas. Schwartz & Son. 180,245; Feb. 26; Serial No. 168,731; published Dec. 4, 1923.
Watches. G. J. Keller. 180,339; Feb. 26; Serial No. 175,429; published Dec. 4, 1923.
Watches. L. R. Straus. 180,199; Feb. 26; Serial No. 183,997; published Nov. 20, 1923.
Watches and parts thereof. W. Kaufmann. 180,409; Feb. 26; Serial No. 182,917; published Dec. 11, 1923.
Watches, watchcases, clocks, and clock housings. Emerson Watch Case Co. 180,436; Feb. 26.
Watches, watchcases, clocks, and clock housings. Emerson Watch Case Co. 180,438; Feb. 26.
Watches, watchcases, watch movements, etc. R. Gsell & Co. 180,342; Feb. 26; Serial No. 181,274; published Dec. 11, 1923.

CLASS 28.

Bags, vanity cases, flasks, etc. Napier Company. 180,434; Feb. 26.
Barrettes. Hayes-Meserole Mfg. Co. 180,146; Feb. 26; Serial No. 184,968; published Nov. 20, 1923.
Beads, Specially-treated strings for. Esco Manufacturing Co. 180,406; Feb. 26; Serial No. 183,101; published Nov. 27, 1923.
Buttons, Collar. Krementz & Company. 180,341; Feb. 26; Serial No. 181,194; published Nov. 27, 1923.
Chains. H. H. Harteveldt. 180,461; Feb. 26.
Flatware and hollow ware, Sterling-silver. R. Wallace & Sons Mfg. Co. 180,256; Feb. 26; Serial No. 185,350; published Nov. 27, 1923.
Jewelry. Cohn & Rosenberger Inc. 180,412; Feb. 26; Serial No. 182,652; published Nov. 27, 1923.
Jewelry. H. Ratner. 180,422; Feb. 26; Serial No. 181,413; published Nov. 27, 1923.
Necklaces, and cords for stringing and restringing pearls or beads, Pearl and bead. S. E. Porter. 180,305; Feb. 26; Serial No. 174,486; published Aug. 7, 1923.
Pearl or imitation-pearl necklaces. Os-Da Company. 180,403; Feb. 26; Serial No. 186,664; published Dec. 11, 1923.
Pearls. Rosenberg & Co. 180,320; Feb. 26; Serial No. 186,484; published Dec. 11, 1923.
Pearls. P. Roth. 180,257; Feb. 26; Serial No. 185,381; published Nov. 27, 1923.
Pearls and articles of jewelry comprising pearls and artificial pearls, Artificial. Fountaine & Co. 180,433; Feb. 26.
Pearls or beads, Cord for stringing or restringing. S. E. Porter Co. 180,329; Feb. 26; Serial No. 179,322; published Aug. 7, 1923.
Rings, bar and scarf pins, earrings, Finger. Baskin Brothers. 180,195; Feb. 26; Serial No. 184,230; published Nov. 20, 1923.
Rings, Finger. Katz & Ogush. 180,325; Feb. 26; Serial No. 181,126; published Nov. 27, 1923.
Rings, Finger. Schneider & Hyman. 180,337; Feb. 26; Serial No. 181,316; published Nov. 20, 1923.
Rings, Finger. J. R. Wood & Sons. 180,309; Feb. 26; Serial No. 186,344; published Dec. 11, 1923.
Rings, pins, bracelets, etc., Finger. Katz & Ogush, Inc. 180,194; Feb. 26; Serial No. 184,168; published Nov. 20, 1923.
Silver-plated knives, forks, and spoons. J. Busch. 180,467; Feb. 26.
Spoons, Silver-plated. International Silver Company. 180,421; Feb. 26; Serial No. 181,834; published Nov. 6, 1923.

CLASS 29.

Automobile accessories. Haines Manufacturing Corporation. 180,201; Feb. 26; Serial No. 183,925; published Oct. 30, 1923.
Brushes, floor sweeps, street brooms. Harry H. Kelly & Sons. 180,466; Feb. 26.

CLASS 30.

Crockery, earthenware, and porcelain. Porsellanfabrik Ph. Rosenthal & Co., A. G. 180,310; Feb. 26; Serial No. 186,329; published Dec. 11, 1923.

CLASS 31.

Refrigerating and cooling machinery, Ice. Henry Vogt Machine Co. 180,432; Feb. 26.

CLASS 32.

Mattresses. Enterprise Mattress Company. 180,324; Feb. 26; Serial No. 181,066; published Dec. 4, 1923.
Shelf, Swinging. American Writing Machine Company. 180,197; Feb. 26; Serial No. 183,956; published Dec. 4, 1923.

CLASS 34.

Boilers and condensers, hot-air and hot-water furnaces, etc., Steam. Mannesmannröhren-Werke. 180,365; Feb. 26; Serial No. 163,695; published Dec. 11, 1923.
Lamps, lanterns, stoves, etc., Gas. Coleman Lamp Company. 180,453; Feb. 26.
Oil burners. C. I. Goodhart. 180,427; Feb. 26.
Water heaters, Gas. Day & Night Solar Heater Co. 180,454; Feb. 26.

CLASS 35.

Tire casings. Sterling Tire Corporation. 180,279; Feb. 26; Serial No. 183,414; published Dec. 11, 1923.

CLASS 36.

Musical instruments. A. H. Weymann & Son, Inc. 180,415; Feb. 26; Serial No. 182,490; published Nov. 20, 1923.

Organs and attachments for playing organs. Page Organ Co. 180,397; Feb. 26; Serial No. 187,122; published Dec. 11, 1923.
Organs, pianos, harps, and parts of such instruments. L. Van der Heyden & Hauseur. 180,419; Feb. 26; Serial No. 182,312; published Dec. 11, 1923.
Phonograph records. McKinley Music Company. 180,471; Feb. 26.
Phonograph records. Regal Record Company. 180,414; Feb. 26; Serial No. 182,485; published Dec. 11, 1923.
Phonographs. Abraham & Straus, Inc. 180,401; Feb. 26; Serial No. 186,685; published Dec. 11, 1923.
Phonographs. Bristol & Barber Co. 180,304; Feb. 26; Serial No. 168,218; published Nov. 13, 1923.
Phonographs. McKinley Music Company. 180,472; Feb. 26.
Phonographs. Wizard Phonograph Company. 180,156; Feb. 26; Serial No. 184,630; published Dec. 4, 1923.
Phonographs and talking machines, Sound records for. Vulcan Record Corporation. 180,262; Feb. 26; Serial No. 185,271; published Nov. 6, 1923.
Phonographs and talking machines, Sound records for. Vulcan Record Corporation. 180,263; Feb. 26; Serial No. 185,272; published Nov. 20, 1923.
Piano plates. American Stein & Foundry Company. 180,317; Feb. 26; Serial No. 180,484; published Dec. 11, 1923.
Pianos and piano players. Story & Clark Piano Co. 180,407; Feb. 26; Serial No. 161,844; published Nov. 20, 1923.
Talking machines. Lyon & Healy. 180,287; Feb. 27; Serial No. 167,990; published Dec. 4, 1923.
Talking machines, phonographs, parts thereof, and supplies therefor. Vox-Schallplatten-und Sprechmaschinen-Aktiengesellschaft. 180,288; Feb. 26; Serial No. 165,733; published Nov. 20, 1923.
Trumpets, cornets, trombones, horns, etc. H. N. White Company. 180,411; Feb. 26; Serial No. 182,691; published Dec. 4, 1923.

CLASS 37.

Currency straps. Spurgin Manufacturing Company. 180,267–72; Feb. 26; Serial Nos. 183,601–7; published Sept. 11, 1923.
Currency straps. Spurgin Manufacturing Company. 180,277; Feb. 26; Serial No. 183,608; published Sept. 11, 1923.
Paper, Toilet. Northern Paper Mills. 180,347; Feb. 26; Serial No. 184,357; published Dec. 25, 1923.
Pencils, Lead. Blaisdell Pencil Company. 180,290; Feb. 26; Serial No. 188,178; published Dec. 18, 1923.

CLASS 38.

Catalogues and price lists. Funsten Brothers & Company. 180,292; Feb. 26; Serial No. 187,306; published Dec. 11, 1923.
Magazine, Monthly. Macfadden Publications, Inc. 180,295; Feb. 26; Serial No. 186,847; published Dec. 11, 1923.
Music, Sheet. Forster Music Publisher, Inc. 180,200; Feb. 26; Serial No. 183,828; published Dec. 11, 1923.
News articles and publications, Title to syndicated scientific. Science Service, Inc. 180,246; Feb. 26; Serial No. 186,039; published Dec. 11, 1923.
Newspaper magazine, Weekly magazine supplement for a. Tribune Company. 180,296; Feb. 26; Serial No. 169,992; published Dec. 11, 1923.
Newspaper strip, Title for comic. Illustrated Daily News Publishing Co. 180,391; Feb. 26; Serial No. 187,102; published Dec. 11, 1923.
Newspaper, Title of a column in a. Press Publishing Company. 180,321; Feb. 26; Serial No. 186,613; published Dec. 11, 1923.
Periodical, Printed. Better Times, Inc. 180,389; Feb. 26; Serial No. 187,372; published Dec. 11, 1923.
Publication. P. B. Walker. 180,252; Feb. 26; Serial No. 185,885; published Dec. 11, 1923.
Publication, Name of a monthly. Norfolk Police Social and Relief Association. 180,249; Feb. 26; Serial No. 185,903; published Dec. 11, 1923.
Publication, Paint and varnish monthly. National Save The Surface Campaign Committee. 180,190; Feb. 26; Serial No. 184,560; published Dec. 11, 1923.

CLASS 39.

Coats, cloaks, capes, etc., Women's, children's, and infants'. Salt's Textile Manufacturing Company. 180,402; Feb. 26; Serial No. 186,610; published Dec. 11, 1923.
Coats, Knitted sport. Recreation Distributing Co. 180,198; Feb. 26; Serial No. 183,992; published Dec. 11, 1923.
Dresses. C. H. Plumbridge. 180,247; Feb. 26; Serial No. 186,070; published Dec. 11, 1923.
Dresses, gertrudes, nighties, etc., for infants. Baby's Boudoir, Inc. 180,442; Feb. 26.
Garments, Outer. Shirek & Hirsch. 180,326; Feb. 26; Serial No. 180,030; published Dec. 11, 1923.
Hosiery. Richard Schletter Co. 180,445; Feb. 26.
Knit goods. Knitfirm, Inc. 180,444; Feb. 26.
Shirts. Cluett, Peabody & Co. 180,448; Feb. 26.
Shirts. Cluett, Peabody &-Co. 180,455–60; Feb. 26.
Shirts. Cluett, Peabody & Co. 180,462–3; Feb. 26.

Shirts and pants, Men's and boys' work and flannel. Rouse, Hempstone & Co. 180,374; Feb. 26; Serial No. 158,451; published July 17, 1923.
Shirts, Men's and boys' work. Landauer & Co. 180,189; Feb. 26; Serial No. 184,552; published Nov. 13, 1923.
Stockings, hosiery, and knitted underwear. Robischon Corporation. 180,476; Feb. 26.
Sweaters. Benjamin Moseley Co. 180,449; Feb. 26.
Sweaters, bathing suits, scarfs, and hosiery. J. E. Schmitz. 180,470; Feb. 26.

CLASS 40.

Patterns for art needlework, Transfer. S. S. Bendick. 180,382; Feb. 26; Serial No. 165,265; published Dec. 26, 1922.

CLASS 42.

Blankets and rugs. George Borgfeldt & Co. 180,315–16; Feb. 26; Serial Nos. 186,461–2; published Dec. 11, 1923.
Carpets and textile rugs. A. & M. Karaheusian, Inc. 180,318; Feb. 26; Serial No. 186,554; published Dec. 11, 1923.
Carpets and textile rugs. A. & M. Karaghensian, Inc. 180,322; Feb. 26; Serial No. 186,555; published Dec. 11, 1923.
Cotton piece goods. Appleton Company. 180,398–400; Feb. 26; Serial Nos. 186,819–21; published Dec.11, 1923.
Cotton, silk and cotton, and silk and wool piece goods. Lorraine Manufacturing Company. 180,429; Feb. 26.
Hair nets. Seidner & Hitzigrath. 180,482; Feb. 26.
Handkerchiefs. Schmidt, Fitz-Gibbon Co. 180,312; Feb. 26; Serial No. 186,448; published Dec. 11, 1923.
Hollands, Window. John King & Son. 180,431; Feb. 26.
Hollands, Window. John King & Son. 180,461; Feb. 26.
Laces, nets, nettings, veils, and veilings. Liberty Lace and Netting Works. 180,253; Feb. 26; Serial No. 185,663; published Dec. 11, 1923.
Silk crêpes in the piece. Travis, Romaine & Jelle, Inc. 180,311; Feb. 26; Serial No. 186,305; published Dec. 11, 1923.
Silk piece goods. Empire Silk Company. 180,319; Feb. 26; Serial No. 186,547; published Dec. 11, 1923.
Silk piece goods. Robinson Silk Company. 180,307; Feb. 26; Serial No. 186,150; published Dec. 11, 1923.
Silks in the piece. Jansen & Pretsfeld, Inc. 180,425; Feb. 26; Serial No. 186,710; published Dec. 11, 1923.
Tapestries, panels, centerpieces, and runners. A. Klekner. 180,332; Feb. 26; Serial No. 176,410; published Dec. 11, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 180,465; Feb. 26.
Worsted and woolen textile fabrics. Holden-Leonard Company. 180,313–14; Feb. 26; Serial Nos. 186,376–7; published Dec. 11, 1923.

CLASS 43.

Threads, Manufacturers Supplies Company. 180,481; Feb. 26.
Threads. Manufacturers Supplies Company. 180,483; Feb. 26.

CLASS 44.

Deodorants, Disseminators for perfumed. Donna Lee Perfumed Deodorant Company. 180,488; Feb. 26.

CLASS 45.

Beverage sold as a soft drink. M. A. Eisenschiml. 181,474; Feb. 26.
Ginger ale. Canada Dry Ginger Ale, Inc. 180,468; Feb. 26.

CLASS 46.

Butter and dairy products. Hilmer Commission Co. 180,489; Feb. 26.
Butter, dried beans, bread, etc. H. P. Hood & Sons, Inc. 180,379; Feb. 26; Serial No. 146,213; published Dec. 11, 1923.
Candy. Chase Candy Co. 180,335; Feb. 26; Serial No. 177,474; published Nov. 20, 1923.
Candy. V. Jones. 180,370; Feb. 26; Serial No. 160,136; published Sept. 19, 1922.
Candy. Stephen F. Whitman & Son. 180,302; Feb. 26; Serial No. 171,052; published Apr. 3, 1923.
Candy, chewing gum, and candy and chewing gum confections. Mint Products Co. 180,487; Feb. 26.
Candy, Chocolate. Mueller-Keller Candy Company. 180,178; Feb. 26; Serial No. 182,986; published Nov. 27, 1923.
Canned fish. Gandara y Has. 180,428; Feb. 26.
Canned fruits, vegetables, fish, and meats, dried fruits, fruit preserves, etc. Joannes Bros. Co. 180,301; Feb. 26; Serial No. 172,741; published Oct. 2, 1923.
Canned grapefruit. A. Roren. 180,478; Feb. 26.
Canned peppers. American Cone and Pretzel Company. 180,473; Feb. 26.
Chickens and eggs for hatching. C. D. Marshall. 180,446; Feb. 26.
Chocolate, nuts, and caramel, Milk. Metro Chocolate Co. 180,331; Feb. 26; Serial No. 178,762; published Nov. 20, 1923.
Coffee. Dwinell-Wright Company. 180,491; Feb. 26.
Coffee and tea. International Coffee Co. 180,376; Feb. 26; Serial No. 155,175; published June 6, 1922.

Confection, Pop-corn. Barnards. 180,338; Feb. 26; Serial No. 175,121; published Nov. 27, 1923.
Figs. Markarian's Fig Gardens. 180,447; Feb. 26.
Flavoring extracts. Joseph Burnett Co. 180,366; Feb. 26; Serial No. 164,746; published Nov. 20, 1923.
Flavoring extracts. California Laboratories, Inc. 180,186; Feb. 26; Serial No. 184,588; published Dec. 11, 1923.
Food, Cereal breakfast. Kellogg's Pep & Zep Products, Inc. 180,416; Feb. 26; Serial No. 182,543; published Dec. 11, 1923.
Food drink, Cereal. J. L. Shroyer. 180,377; Feb. 26; Serial No. 156,117; published Nov. 13, 1923.
Foods, Cereal breakfast. Lodi Mill & Elevator Co. 180,291; Feb 26; Serial No. 169,552; published Dec. 11, 1923.
Foods, Cereal breakfast. Postum Cereal Company. 180,493; Feb. 26.
Fruits, Fresh citrous. Anaheim Valencia Growers Ass'n. 180,443; Feb. 26.
Lard substitute. Wynne Lard & Provision Co. 180,296; Feb. 26; Serial No. 170,465; published Nov. 20, 1923.
Lard substitute. Wynne Lard & Provision Co. 180,297; Feb. 26; Serial No. 170,462; published Nov. 20, 1923.
Lard substitute. Wynne Lard & Provision Co. 180,298; Feb. 26; Serial No. 170,461; published Nov. 27, 1923.
Lard substitute. Wynne Lard & Provision Co. 180,299; Feb. 26; Serial No. 170,459; published Nov. 20, 1923.
Meats, poultry, game, etc., Dressed. D. Klein. 180,340; Feb. 26; Serial No. 175,872; published Sept. 11, 1923.
Milk, Evaporated skimmed. Valecia Evaporated Milk Co. 180,250; Feb. 26; Serial No. 185,941; published Dec. 11, 1923.
Noodles. Weitz & Leff. 180,369; Feb. 26; Serial No. 161,949; published Apr. 3, 1923.
Oil, Olive. European Export Corporation. 180,255; Feb. 26; Serial No. 185,748; published Dec. 11, 1923.
Oils, Salad. Strohmeyer & Arpe Company. 180,248; Feb. 26; Serial No. 186,089; published Dec. 11, 1923.
Syrup for food purposes, Malt-sugar. Anheuser-Busch, Incorporated. 180,381; Feb. 26; Serial No. 136,016; published Oct. 5, 1920.
Syrup, Malt-sugar. Anheuser-Busch, Incorporated. 180,378; Feb. 6; Serial No. 136,017; published Oct. 5, 1920.

CLASS 48.

Malt and hops, Extract of. M. Singer & Sons. 180,450; Feb. 26.

CLASS 50.

Bottle crowns. E. M. Blumenthal. 180,306; Feb. 26; Serial No. 186,100; published Dec. 11, 1923.
Incubators and brooders. Montgomery Ward & Co. 180,394; Feb. 26; Serial No. 187,144; published Dec. 11, 1923.
Swatters, Fly. Lubbers and Bell Manufacturing Company. 180,388; Feb. 26; Serial No. 187,326; published Dec. 11, 1923.
Swatters, Fly. Lubbers and Bell Manufacturing Company. 180,393; Feb. 26; Serial No. 187,325; published Dec. 11, 1923.

ALPHABETICAL LIST OF LABELS.

B. V. May. For Hosiery. May Hosiery Mills, Inc. 27,006; Feb. 26.
California. For Tape. Economy Bias Binding Co. 26,995; Feb. 26.
Calpro Eggs. For Eggs. Poultry Producers of Central California. 27,010; Feb. 26.
Capsims. For a Medicine—Namely, a Body Builder. M. I. Adams, M. D. 26,988; Feb. 26.
Carmela. For Tomato Paste. F. G Favaloro Sons, Inc. 26,996; Feb. 26.
Cowboy. For Tomato Paste. F. G. Favaloro Sons, Inc. 26,997; Feb. 26.
Dr. Fenton's Health-Pep. For Yeast Balancer Prepared for Chicks and Poultry. Dr. Fenton's Min-Er-O Tone Co. 26,999; Feb. 26.
Dr. Fenton's Moreggs. For Concentrated Yeast Balancer for Laying Hens. Dr. Fenton's Min-Er-O Tone Co. 27,000; Feb. 26.
Dromedary Golden Dates. For Dates. Hills Brothers Company. 27,002; Feb. 26.
E & W Collar Packet. For Containers for Collars. Earl & Wilson. 26,993; Feb. 26.
E-Z Malt. For Malt Sirup. Louisville Bottling Works. 27,004; Feb. 26.
Golfer's De-Lite. For Golf Score Cards Containing Safety Matches. R. L. Combs. 26,990; Feb. 26.
Health-Harvest. For a Whole-Wheat Product Cooked Ready to Eat. Health Harvest Food Co. 27,001; Feb. 26.
Indian Girl. For Tomato Paste. F. G. Favaloro Sons, Inc. 26,998; Feb 26
Krelawn. For Tape. Economy Bias Binding Co. 26,994; Feb. 26.
La Pecan. For Cigars. J. R. Strauss. 27,014; Feb. 26.
Los Angeles Rose. For Talcum. H. Tyree. 27,017; Feb 26.
Magic-White. For Cleaning Fluid. R. S. Marshall and W. A. Wing. 27,005; Feb. 26.
Make your nice gifts—nicer—. For Receptacles Containing Christmas-Package Accessories. Transogram Co. 27,015; Feb. 26.
Matt-Rest. For Mattresses. O. S. Copeland. 26,991; Feb. 26.
Mattress Package. For Mattresses. Droll Patents Corporation. 26,992; Feb. 26.
Nulaid Eggs. For Eggs. Poultry Producers of Central California. 27,009; Feb. 26.
Peter Pan Candy. For Candy. A. Widdis. 27,019; Feb. 26.
Taffy Twists. For Candy. Circus Sally Company. 26,989; Feb. 26.
The Queen's taste. For Citrous Fruit. W. P. Peyton Fruit Co. 27,008; Feb. 26.
The Schaffer Lock Cover Garbage Can. For Garbage Receptacles. Schaffer Tinware Mfg. Co. 27,013; Feb. 26.
The Set with the Knob that Keeps the Lamps on the Job. For Decorative Lighting Sets. Triangle Electro Trading Co. 27,016; Feb. 26.
Thomsen's Nutty Stuff. For Candy. Pacific Coast Biscuit Co. 27,007; Feb. 26.
Triple (T-S) Stitched. For Work Shirts for Men and Boys. Salant & Salant, Inc. 27,011; Feb. 26.
Uncle Sam Shirts, Supersize That Satisfies. For Work Shirts for Men and Boys. Salant & Salant, Inc. 27,012; Feb. 26.
Whitney's Valentine Material. For Boxes of Valentine Material. George C. Whitney Company. 27,018; Feb. 26.
Whole Strawberries, A True Fruit. For Candy. Hood River Canning Co. 27,003; Feb. 26.

ALPHABETICAL LIST OF PRINTS.

At the Sign of the Eagle. For Automobile Tires and Tubes. Republic Rubber Company. 7,223; Feb. 26.
Bobbie. For Coats and Suits. Joseph Engel Company. 7,210; Feb. 26.
Constant Comfort Foot Chart. For Shoes Ault-Williamson Shoe Co. 7,208; Feb. 26.
Freeplay. For Boys' and Children's Baseball Uniforms. Van Cott Bros., Inc. 7,229; Feb. 26.
Great Stuff—Mother! Post Toasties Improved Corn Flakes. For Cereal Breakfast Food. Postum Cereal Co. 7,216; Feb. 26.
Hays Buckskin Gloves. For Gloves. Daniel Hays Company. 7,212; Feb. 26.
Lillis Light Shield. For an Apparatus to be Used with Automobiles. Detroit-Lillis Engineering Co. 7,209; Feb. 26.
Lot 8825 White Knickers. For White Duck Clothing. James E. Richards Company. 7,224; Feb. 26.
Lot 326 Gym Pants. For White Duck Clothing. James E. Richards Company. 7,225; Feb. 26.
Martin's Better-Batter-Babes. For Flour, Cakes, Cookies, Wafers, and Other Bakery Products. Martin Baking Company. 7,214; Feb. 26.
Monarch. For Canned Fruits and Vegetables. Reid, Murdoch & Co. 7,221; Feb. 26.
Monarch Coffee. For Coffee and Food Products. Reid, Murdoch & Co. 7,220; Feb. 26.
Monarch Food of Wheat. For Breakfast Food. Reid, Murdoch & Co. 7,222; Feb. 26.
Monarch National Advertising. For Food Products. Reid, Murdoch & Co. 7,219; Feb. 26.
Oh Min! For Candy. S. Smith. 7,226; Feb. 26.
Products of Monarch Kitchens. For Food Products. Reid, Murdoch & Co. 7,218; Feb. 26.
Proud of His Wife. For Palmolive Soap. Palmolive Company. 7,215; Feb. 26.

Red Goose Shoes. For Shoes. International Shoe Co. 7,213; Feb. 26.
Red Mill. For Hosiery. Red Mill Hosiery Co. 7,217; Feb. 26.
Since '49. For Paints and Varnishes. W. P. Fuller & Co. 7,211; Feb. 26.
Uncle Bim Brings The Gump Family Candy Assortment. For Candy. S. Smith. 7,227; Feb. 26.
When The Lights Go Out—Just Turn the Knob. For Decorative Lighting Sets. Triangle Electro Trading Co. 7,228; Feb. 26.
Willson Goggles. For Goggles. Willson Goggles, Inc. 7,231; Feb. 26.
Wiring and Repairing. For Electrical Supplies. J. E. Ward. 7,230; Feb. 26.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Earth, Diatomaceous. A. H. Krieger. 189,251; Feb. 26.

CLASS 2.

Cans, Sprinkler, garbage, lard, etc. Van Camp Hardware & Iron Company. 189,538; Feb. 26.
Pails, covered buckets, milk cans, etc. Dover Stamping & Manufacturing Company. 169,669; Feb. 26.

CLASS 4.

Automobile top and leather dressings. C. B. Fraser. 188,544; Feb. 26.
Cleaning compound for cleaning enamel and porcelain, metals, etc. E. S. Johnson. 186,235; Feb. 26.
Oils, and belt dressing. Leather and harness. Standard Oil Company of Louisiana. 190,213; Feb. 26.
Soap. R. L. Kraw. 189,414; Feb. 26.
Soap. Parfumerie de la Société Hygiénique. Cottan-Porte & Cie. 184,794; Feb. 26.
Soap, Mechanics'. Salvo Manufacturing Company. 189,917; Feb. 26.
Soaps. F. R. Arnold & Co. 190,225; Feb. 26.
Soaps. Parfumerie Roger et Gallet. 185,144; Feb. 26.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 189,138; Feb. 26.
Stove paste and polish. Marmac Products Co. 190,734; Feb. 26.

CLASS 6.

Blood purifiers, medicine for treatment of appendicitis and stomach troubles. J. A. M. Gibbs. 184,722; Feb. 26.
Cathartics. Milnesia Laboratories. 189,635–6; Feb. 26.
Chloral and bromides compound. William S. Merrell Company. 189,368; Feb. 26.
Clay, Complexion "Beau-Teint" Company. 176,154; Feb. 26.
Complexion bags, shampoo, cold cream, and lotion. Kelnore Company. 183,882; Feb. 26.
Dentifrice. Tooth-White Laboratories. 189,339; Feb. 26.
Eye and hand lotion, preparations for treatment of the throat, and medicated salve. L. C. Hamel. 183,971; Feb. 26.
Eyedrops and eye ointment. B. Schmeer. 189,644; Feb. 26.
Hair cream. H. C. Addiscott. 169,231; Feb. 26.
Hair tonic. Rialto Barber Shop, Inc. 189,010; Feb. 26.
Liniment, Emulsified. G. A. Morse. 181,139; Feb. 26.
Lotion, Face. N. Fry. 187,456; Feb. 26.
Magnesium oxide. Gigante & Company. 181,180; Feb. 26.
Medicinal preparation for the treatment of asthma. A. Wakeman. 185,098; Feb. 26.
Medicinal preparation used in the treatment of colds, etc. Thames Drug Company. 189,698; Feb. 26.
Medicinal remedies for hay fever, spring catarrh, etc. E. A. Pond. 185,935; Feb. 26.
Medicinal remedies used in the treatment of diabetes. E. A. Pond. 184,983; Feb. 26.
Medicinal remedies used in the treatment of optic-nerve atrophies, etc. E. A. Pond. 185,936; Feb. 26.
Medicine for use as a general tonic. N. K. Nucho. 186,483; Feb. 26.
Medicines for treating gallstones and liver complaints. G. A. Marshall. 188,549; Feb. 26.
Medicines to cure cold. K. Gosciewski. 179,000; Feb. 26.
Ointment, Healing. J. R. Martin. 187,011; Feb. 26.
Oleaginous preparation used as a wool and worsted lubricant or grease. Quaker Oil Products Corporation. 186,855; Feb. 26.
Paste and powder, Face. Wallace B. Blakeley & Company. 187,149; Feb. 26.
Pastes and powders for the teeth, skin, hair, and perfumery. Parfumerie Roger et Gallet. 185,145; Feb. 26.
Perfume concentrates. H. Euziere & Cie. 189,846; Feb. 26.
Perfume, toilet water, face powder, etc. Bellon et Cie. 184,376–7; Feb. 26.
Perfumery, soap, and toilet water manufacturers, Raw materials for the. Florome Chemical Corpotation. 165,014; Feb. 26.
Perfumes, face powders, powder compacts, creams, etc. J. E. Baum. 190,627; Feb. 26.
Peroxide preparations. Merck & Co. 189,684; Feb. 26.
Pills, Laxative. M. S. Asbell. 186,455; Feb. 26.
Preparation for the treatment of the hair and scalp. S. Burlock. 186,943; Feb. 26.
Preparations for the treatment of the hair and scalp. M. W. Wolff. 187,974; Feb. 26.
Preventive and a treatment for rheumatism. Prunier & Cie. 189,475; Feb. 26.
Resins, Synthetic. Consortium f. elektrochemische Industrie, G. m. b. H. 181,513; Feb. 26.
Spray materials, insecticides, fungicides, etc. California Rex Spray Company. 187,036; Feb. 26.
Sulphur. Union Sulphur Company. 186,812; Feb. 26.
Suppositories used in the treatment of diabetes. Drug Products Co. 185,331; Feb. 26.
Toilet water or hair tonic. S. K. Karegeannes. 189,855; Feb. 26.
Tonic tablets. P. W. Brain. 184,378; Feb. 26.
Tonic used in the treatment of malaria, chills, fever, etc. J. B. Kori. 186,556; Feb. 26.
Wood preservative, Colorless and odorless. Protexol Corporation. 184,987; Feb. 26.
Wood-preserving material. Protexol Corporation. 184,985–6; Feb. 26.

CLASS 8.

Cabinets and humidors. William Black & Co. 187,035; Feb. 26.
Tobacco pouches. J. L. Duncan. 184,396; Feb. 26.

CLASS 9.

Fireworks. M. A. Stone. 188,718; Feb. 26.

CLASS 10.

Fertilizers. Non-acid Fertilizer & Chemical Co. 190,203–4; Feb. 26.

CLASS 11.

Ink, Writing-fluid. Parker Pen Co. 189,135; Feb. 26.
Paper, Carbon. Kee Lox Manufacturing Company. 189,628; Feb. 26.

CLASS 12.

Cement or lute, acid fumes, etc., Acidproof. Pecora Paint Co. 186,608; Feb. 26.
Concrete fence and other posts. R. A. Buas. 188,994; Feb. 26.
Lime. Edward Bryant Company. 185,952; Feb. 26.

CLASS 13.

Dishes and utensils for kitchen and household use. New England Enameling Company. 187,171; Feb. 26.
Doors, Track for garage and barn. Hunt, Helm, Ferris & Co. 189,785; Feb. 26.
Garage and barn door track. Hunt, Helm, Ferris & Co. 189,788; Feb. 26.
Nonskid attachments and traction shoes used on vehicle wheels. J. T. Peters. 169,926; Feb. 26.
Screens, Window and door. Acme Screen Co. 184,156; Feb. 26.
Valves, valve wheels, valve and pipe fittings. Jenkins Manufacturing Company. 188,310; Feb. 26.

CLASS 15.

Gasoline, lubricating oils and greases. Julian Petroleum Corporation. 184,405; Feb. 26.
Kerosene and gasoline. H. Sheets. 189,142; Feb. 26.
Oils and greases, Lubricating. Midwest and Gulf Products Company. 189,332; Feb. 26.

CLASS 16.

Enamels, flat white, varnishes, etc., Paint. Elco Paint Products, Inc. 190,011; Feb. 26.
Paints and stains. Dryco Products Company. 186,831; Feb. 26.
Polish, Auto body. F. F. Dalley Company. 188,747; Feb. 26.
Stove finish. Lasco Shellac Company. 190,548; Feb. 26.
Turpentine. Goldsmith & Co. 189,890; Feb. 26.
Varnish, Floor. J. F. Kurfees Paint Company. 190,101; Feb. 26.

CLASS 17.

Cigars. A. J. Abrams. 187,559; Feb. 26.
Cigars. Justin Seubert, Inc. 183,635; Feb. 26.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cigars, smoking tobacco, snuff, etc. Société Jeb, Anciens Etablissements Bardou-Job et Paulhac. 188,977; Feb. 26.

CLASS 19.

Automobile curtain supporting rods. G. Lassen. 184,250; Feb. 26.
Cars, Railway. Pullman Company. 188,277; Feb. 26.
Shock absorbers, Vehicle. Wellman Wieber Checkers Company. 189,700; Feb. 26.
Vehicles, Radiator covers for motor. Packard Motor Car Company. 189,068; Feb. 26.

CLASS 22.

Game. C & G Company. 184,381; Feb. 26.
Game, Puzzle. J. M. Bowker. 187,195; Feb. 26.
Sleds, Children's. Chicago Roller Skate Company. 189,708; Feb. 26.
Swing, Child's. White Mop Wringer Company. 189,084; Feb. 26.

CLASS 23.

Ax, adz, pick, sledge, etc. handles. Hartwell Brothers. 189,405; Feb. 26.
Bearings, balls, rollers, etc., Ball and roller. Norma-Compagnie G. m. b. H. 182,520; Feb. 26.
Boots and shoes, Machines for use in manufacturing. A. E. Little Company. 186,431; Feb. 26.
Concrete and paving mixers, portable saw rigs, etc. Leach Company. 190,056; Feb. 26.
Egg beaters, scoops, coal sieves, etc. Dover Stamping & Manufacturing Company. 189,885; Feb. 26.
Engines, Steam. E. C. Talpa. 187,549; Feb. 26.
Eyeleting machines. North Abington Machine Company. 190,026; Feb. 26.
Fruit crushers. Somerville Machine & Foundry Co. 190,034; Feb. 26.
Knives and forks. J. C. Raisley. 189,885; Feb. 26.
Oil or grease ejecting tools. Warner-Patterson Company. 190,074; Feb. 26.
Pliers for holding and guiding universal joint of automobile or truck. H. G. Strain. 190,363; Feb. 26.
Razor blades. Ewe Cutlery Co. 189,551; Feb. 26.
Saws and saw handles. W. T. Blount. 180,464; Feb. 26.
Sharpening machines, Razor-blade. Safety Hone Company. 189,692; Feb. 26.
Tools. Perry Tool Company. 188,609; Feb. 26.
Tools, Mechanics'. L. Schwab. 190,067; Feb. 26.
Tractors, Steam. "Sentinel" Waggon Works (1920) Limited. 189,141; Feb. 26.
Valve-grinding tools, screw drivers, wrenches, etc. F. A. Luthy. 187,227; Feb. 26.
Valve lifters. Buddie Equipment Company. 189,657; Feb. 26.
Veneer-drying machines. Merritt Manufacturing Company. 189,807; Feb. 26.

CLASS 26.

Hydrometers, hydrometer syringes and test sets, etc. American Thermo-Ware Company. 188,145; Feb. 26.
Measuring containers and measures for liquids. Dover Stamping & Manufacturing Company. 189,886; Feb. 26.

CLASS 27.

Clocks, time-recording apparatus, and parts for same, Time. Newman Clock Company. 183,987; Feb. 26.
Watchcases and watch movements. Jewel Watch Co. 190,840; Feb. 26.
Watches, parts of watches, and watchcases. Fabrique d'Horlogerie "La Champagne" Louis Müller & Cie. S. A. 190,245–7; Feb. 26.

CLASS 28.

Necklaces, Pearl. Kantor Brothers. 189,128; Feb. 26.
Pearls. Fair Trading Co. 190,499; Feb. 26.
Pearls and pearl necklaces. R. H. Bodman. 190,372; Feb. 26.

CLASS 32.

Chairs, rockers, settees, and tables, etc., Reed. A. L. Randall Company. 187,836; Feb. 26.
Desks, tables, and radio cabinets. Excello Products Corporation. 186,488; Feb. 26.

CLASS 34.

Oil burner. W. M. Jenkins. 190,928; Feb. 26.

CLASS 36.

Harmonicas, Mouth. M. Hohner. 190,376–7; Feb. 26.
Horns, saxophones, and clarinets. Martin Band Instrument Company. 189,859; Feb. 26.
Phonograph records. H. A. Yerkes. 189,997; Feb. 26.

CLASS 37.

Envelopes. United States Envelope Company. 190,525; Feb. 26.
Paper and bulking bookpaper, Mimeograph print and antique. Mead Sales Company. 185,789; Feb. 26.
Paper and envelopes. Carew Manufacturing Company. 190,492; Feb. 26.
Paper, cards, and envelopes, Announcement. American Writing Paper Company. 190,484–6; Feb. 26.
Paper, Cover. Marvellum Company. 190,421; Feb. 26.
Paper, Graph. Chas. E. Bedaux Company. 190,568; Feb. 26.
Paper, Ledger. Diem & Wing Paper Co. 190,580; Feb. 26.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 171,355; Feb. 26.
Paper, Toilet. Capital Paper Company. 190,671; Feb. 26.
Papers. Reese & Reese. 190,469; Feb. 26.
Papers, writing tablets, etc., Printing and writing. Powers Paper Company. 188,100; Feb. 26.
Pencils, Lead. Eagle Pencil Company. 190,539; Feb. 26.

CLASS 38.

Publication, Title of a monthly. Self Starter Publishing Company. 189,173; Feb. 26.

CLASS 39.

Bath robes, buntings, and sacks. A. & A. Bathrobe & Novelty Co. 176,148; Feb. 26.
Boots, shoes, slippers. Standard Felt Company. 173,253; Feb. 26.
Dresses, waists, coats, suits, and wraps, Ladies'. Bijou Dress Company. 190,148; Feb. 26.
Gloves, Fabric. Goodhand, Buckel & John, Inc. 184,666; Feb. 26.
Gloves, Fabric. Sol. A. Rothschild Company. 187,840; Feb. 26.
Gloves, hosiery, underwear. Merrill Silk Company. 187,584; Feb. 26.
Hose or socks, Men's and boys' half. Interwoven Stocking Company. 182,569; Feb. 26.
Hosiery. Barnes Knitting Company. 189,297; Feb. 26.
Hosiery. Wheeler & Motter Mercantile Company. 189,241; Feb. 26.
Knitted and textile garments. Wright's Underwear Company. 179,348; Feb. 26.
Pants, Work. Arthur A. Katten Company. 170,250; Feb. 26.
Shirts, Men's and boys'. H. Berger. 180,321; Feb. 26.
Shoes. B G H Shoe Stores Inc. 187,844; Feb. 26.
Shoes. Endicott Johnson Corporation. 188,670; Feb. 26.
Shoes. W. A. Withers Shoe Co. 180,998; Feb. 26.
Shoes. W. A. Withers Shoe Co. 186,343; Feb. 26.
Shoes, boots, slippers, rubbers, and overshoes. G. M. Peirce. 189,267; Feb. 26.
Shoes, Men's leather. Nunn, Bush & Weldon Shoe Co. 188,698; Feb. 26.

CLASS 40.

Rickrack, woven and braided elastic and trimming. Narrow Fabric Co. 188,099; Feb. 26.

CLASS 41.

Umbrellas and parasols. Follmer Clogg & Co. . 153,595; Feb. 26.

CLASS 42.

Cloth, Cashmere. S. Stroock & Company. 190,558; Feb. 26.
Cotton fabrics. H. D. Peake Company. 190,554; Feb. 26.
Cotton piece goods. Cramerton Mills, Incorporated. 183,097; Feb. 26.
Cotton piece goods. Neuss Hesslein & Co. 186,864; Feb. 26.
Cotton piece goods. York Mfg. Co. 186,262; Feb. 26.
Crepes, Silk. Voss & Stern. 177,932; Feb. 26.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 190,187; Feb. 26.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 190,528–9; Feb. 26.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 190,570–2; Feb. 26.
Hair nets. Royal Sales Company. 190,209; Feb. 26.
Linens—vis, piece goods—and cotton and woolen piece goods, Dress. Neuburger & Company. 187,478; Feb. 26.
Silk fabrics in the piece. Cheney Brothers. 190,000; Feb. 26.
Silk piece goods. Courtaulds, Limited. 189,448; Feb. 26.
Silk piece goods. Duplan Silk Corporation. 175,474; Feb. 26.
Wool and wool mixtures piece goods. William Hollins & Company. 146,506; Feb. 26.
Woolen goods in the piece. Worumbo Manufacturing Company. 190,325; Feb. 26.
Woolen piece goods. Ely & Walker Dry Goods Company. 128,630; Feb. 26.
Woolen piece goods. Forstmann & Huffmann Company. 190,251; Feb. 26.

CLASS 43.

Cotton, Mercerized sewing. James Nelson Limited. 189,333; Feb. 26.

CLASS 44.

Dental cementing materials. Great Western Gypsum Co. 190,335; Feb. 26.
Dentures, Artificial. Gold Sealed Denture Process Co. 188,413; Feb. 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Electric vibrators, manicure sets, hot-water bottles, etc. MacLean Drug Company. 178,754; Feb. 26.
Foot ailments, etc., Apparatus used for the treatment of. C. Cross. 189,152; Feb. 26.
Foot-arch supports. G. S. Barker. 189,385; Feb. 26.
Preparations for holding false teeth in place. Hart & Co. 190,587; Feb. 26.
Respirators. F. Foster. 190,500; Feb. 26.
Rubber gloves, Surgeons'. J. V. Miller. 190,172; Feb. 26.
Surgical splint. J. H. Prante. 190,518; Feb. 26.

CLASS 45.

Beverage sold as soft drink and sirup for making the same. K. P. Hilander. 189,406; Feb. 26.
Beverages, sirups and extracts for making same. Jas. M. Dupiech Bottling Co. 190,450; Feb. 26.
Flavoring for beverages. Frederick Stearns & Company. 190,819; Feb. 26.
Water, Sparkling. Electrified Water and Machine Company. 187,800; Feb. 26.

CLASS 46.

Apples, citrous fruits, grapes, melons, etc., Fresh. Smith & Holden. 187,778–9; Feb. 26.
Bread. P. G. Lewis. 176,297; Feb. 26.
Bread, cakes, fried cakes, and coffee cakes. Grennan Cake Corporation. 190,408; Feb. 26.
Bread, rolls, buns, and other pastry. Texas Bread Company. 179,067; Feb. 26.
Bread, rolls, cakes, etc. Greman Cake Corporation. 190,409; Feb. 26.
Cakes, cookies, coffee cakes, etc. Grennan Cake Corporation. 190,405–6; Feb. 26.
Candies. Anne Watrous & Co. 183,783; Feb. 26.
Candy. Chase Candy Company. 188,585; Feb. 26.
Candy. United Drug Company. 184,877; Feb. 26.
Candy and crackers. H. L. Schlesinger. 180,390; Feb. 26.
Candy and other candies, Mexican pecan. L. Kayton. 178,614; Feb. 26.
Canned and dried fruits and canned fish. Hunt Brothers Packing Company. 186,510; Feb. 26.
Canned fruits. Hunt Brothers Packing Company. 187,464; Feb. 26.
Canned fruits. Hunt Brothers Packing Company. 187,520; Feb. 26.
Canned sardines. Great Atlantic and Pacific Tea Company. 190,641; Feb. 26.
Canned sardines. F. B. Neuhoff. 171,861; Feb. 26.
Canned vegetables. Klute-Fleming Packing Co. 190,346; Feb. 26.
Canned vegetables and fruits. La Sierra Heights Canning Co. 169,638; Feb. 26.
Cereal products used as a binder in sausage, meat loaves, etc. B. Heller & Company. 171,758; Feb. 26.
Cheese. Brookshire Cheese Co. 188,359–60; Feb. 26.
Cheese. B. H. Locatelli. 188,764; Feb. 26.
Coffee and tea. H. G. Hill Company. 166,689; Feb. 26.
Corn meal. Holland-O'Neal Milling Co. 187,106; Feb. 26.
Extracts, Food-flavoring. Mineapo Co. 187,585; Feb. 26.
Feeds and grains. Flory Milling Company. 186,834; Feb. 26.
Flour. Flory Milling Company. 186,833; Feb. 26.
Flour, Prepared cereal. Societe Anonyme "Banania." 190,317; Feb. 26.
Flour, Self-rising wheat. Trenton Milling Company. 190,182; Feb. 26.
Flour, tea, coffee, and corn meal, Wheat. H. G. Hill Company. 166,690; Feb. 26.
Flour, Wheat. Bowen-Oglesby Milling Co. 188,659; Feb. 26.
Flour, Wheat. Ellinwood Milling Co. 173,817; Feb. 26.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 182,804; Feb. 26.
Fruits, Fresh citrous. G. V. Grieninger. 188,753; Feb. 26.
Fruits, Fresh citrous. Leeco Growers and Packers, Incorporated. 180,868; Feb. 26.
Ginger and marmalade, Preserved. B. S. Powell. 173,501; Feb. 26.
Honey. California Honey Distributors. 188,662; Feb. 26.
Ice-cream bars, Chocolate-coated. Chapin-Sacks Corporation. 164,867; Feb. 26.
Ice-cream products, Candy-coated. W. F. Billings. 181,932; Feb. 26.
Macaroni, spaghetti, and egg noodles. Goodmade Pure Food Co. Reg. 185,119; Feb. 26.
Macaroni, spaghetti, and tomato paste. Federico Macaroni Mfg. Co. 187,102; Feb. 26.
Milk, Evaporated skimmed. Oatman Condensed Milk Company. 185,761; Feb. 26.
Peanuts, peanut butter, and peanut-butter sandwiches, Salted. O. K. Jelks & Son. 189,901; Feb. 26.
Pie, making lemon butter, etc., Preparation for making a filling for lemon. E. G. Frank. 187,156; Feb. 26.
Sauce and pulp, Fruit. W. D. Kemp. 188,208–9; Feb 26.
Sirup, Table. Atlantic Syrup Refining Co. 189,880; Feb. 26.
Vegetables, deciduous and citrous fruits, Fresh. Gumperts & Gotfried. 184,609; Feb. 26.
Vinegar. Gomei-Kaisha Sasada Honten. 173,189; Feb. 26.
Wafers. M. C. Cooke. 188,232; Feb. 26.

CLASS 50.

Plaques for decorative purposes and reproductions thereof. Winold Reiss Decorating Co. 190,140; Feb. 26.
Seed and plant protectors. W. R. Schindler. 190,210; Feb. 26.
Signs. Henderson Lithographing Co. 189,503; Feb. 26.
Stands, Portable collapsible lunch. J. G. Kirby. 189,129; Feb. 26.
Tents, Outing. Marshall-Wells Company. 189,798; Feb. 26.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accetta, Antonio F., West Dover, Ohio. Burglarproof attachment for locks. 1,485,207; Feb. 26.
Adams, William F., Santa Monica, Calif. Automobile bumper. 1,485,326; Feb. 26.
Adland, Victor E., Chicago, Ill. Rotatable conveying truck. 1,484,615; Feb. 26.
Advance Automobile Accessories Corporation. (See Gray, Orrin D., assignor.)
Aeolian Company, The. (See Millington, William, assignor.)
Ahlbell Battery Container Corporation. (See Ahlgren, John M., assignor.)
Ahlgren, John M., Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill. Manufacturing containers. 1,485,061; Feb. 26.
Aker, Evender S., Goshen, N. Y. Shock absorber. 1,484,859; Feb. 26.
Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Track for gymnasium climbing poles. 1,485,135; Feb. 26.
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,484,614; Feb. 26.
Aldeborgh, Erik H., assignor to C. E. Johansson, Inc., Poughkeepsie, N. Y. Gauge. 1,485,154; Feb. 26.
Alexander, Carl Z. and E. S., Newark, N. J. Steam boiler. 1,484,857; Feb. 26.
Alexander, Earl S. (See Alexander, Carl Z. and E. S.)
Alexander, Edward, Seattle, Wash. Portable table. 1,484,858; Feb. 26.
Alm, Einar E., Stockholm, Sweden. Apparatus for target practice with rifles and other firearms. 1,484,750; Feb. 26.
Altenburger, Carl, Morristown, N. J. Preheating piston for internal-combustion engines. 1,485,009; Feb. 26.
Altman, Ralph, W. L. Wooley, and O. F. Sotier, St. Louis, Mo. Stormproof door threshold. 1,485,206; Feb. 26.
American Bosch Magneto Corporation. (See Krauss, Adolf, assignor.)
American Can Company. (See Eberhart, F., Fleischer, and Bultman, assignors.)
American Cellulose and Chemical Manufacturing Company. (See Dickie, William A., assignor.)
American Gasaccumulator Company. (See Medén, Elof H., assignor.)
American Hardware Corporation. (See Coney, William T., assignor.)
American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
American Laundry Machinery Company, The. (See Carson, William G., assignor.)
American Metals Corporation. (See Kline, Michael I., assignor.)
American Radiator Company. (See Mallory, Harry C., assignor.)
American Telephone and Telegraph Company. (See Gannett, Danforth K., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
American Wood Rim Company, The. (See Lobdell, Edward J., assignor.)
American Wringer Company. (See Keltie, George R., assignor.)
Anchor Cap and Closure Corporation. (See White, William P., assignor.)
Anderson, A. E. (See Frisk, Otto, assignor.)
Anderson, Albert M., Seattle, Wash. Banjo resonator. 1,485,155; Feb. 26.
Andrick, Wallace P., Hohokus, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,484,751; Feb. 26.
Angus, Arthur R., London, England. Railway safe-running device. 1,485,108; Feb. 26.
Apperson, Alvie G., and M. Wolfe, San Francisco, Calif. Amusement device. 1,484,752; Feb. 26.
Armstrong, Sir W. G., Whitworth and Company. (See Lee, H. W., and Swindale, assignors.)
Arnold, Harold D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System of distribution. 1,485,156; Feb. 26.
Aronoff, Joseph, New York, N. Y. Fan. 1,485,241; Feb. 26.
Ash, Jesse E., Silver Grove, and J. M. Crowe, Covington, Ky., assignors to said Crowe and L. K. De Bus, Cincinnati, Ohio. Tool holder for pneumatic hammers. 1,485,010; Feb. 26.
Aske, Irving E., Duluth, Minn. Electric liquid and gas heater. 1,484,616; Feb. 26.
Aske, Irving E., Duluth, Minn. Electric liquid and gas heater. 1,484,617; Feb. 26.
Augustine, Addison E., Hackensack, N. J., assignor to Chester Machine Co., Inc., New York, N. Y. Gumbox drive mechanism for envelope-making machines. 1,484,753; Feb. 26.
Austin, F. C., Machinery Company. (See French, James C., assignor.)
Axtell, Clinton J., Schenectady, N. Y., assignor to General Electric Company. Overload protective device. 1,485,157; Feb. 26.
Babson, Roger D., Springfield, Mass., assignor to Baush Machine Tool Company. Gear. 1,485,158; Feb. 26.
Bach, Peter C. (See Roberts, P. A., and Bach.)
Baker, Daniel N., and J. Pariscan, assignors to W. G. Clark & Co., Inc., North Attleboro, Mass. Cuff button. 1,484,807; Feb. 26.
Bakken, Tollef O., Bode, Iowa. Chicken waterer and feeder. 1,484,860; Feb. 26.
Balda, Joseph O., assignor to A. H. Heisey & Co., Newark, Ohio. Goblet or similar article. Des. 64,040; Feb. 26.
Baldus, Paul C., Milwaukee, Wis. Wrench. 1,485,062; Feb. 26.
Ball, William E., Brunswick, Me. Attachment for spoolers. 1,485,242; Feb. 26.
Barber-Asphalt Company, The. (See Ritter, George, assignor.)
Barber, Osborn L. (See Kitselman, C. M., and Barber.)
Barchoff, Abraham, New York, N. Y. Metal border strip for a tray or similar article. Des. 64,041; Feb. 26.
Bardy Projector Co. (See Bardy, Samuel, assignor.)
Bardy, Samuel, assignor, by mesne assignments, to Bardy Projector Co., Philadelphia, Pa. Film-feeding mechanism for moving-picture machines. 1,484,754; Feb. 26.
Barlow & Seelig Mfg. Co. (See Seelig, John G., assignor.)
Barricklow, George W., Pittsburgh, Pa. Vehicle signal. Des. 64,042; Feb. 26.
Barrows, Hubert H., San Bernardino, Calif. Milling machine. 1,485,209; Feb. 26.
Bartelsmeyer, Elmer H., St. Louis, Mo., assignor to Board of Police Commissioners of the City of St. Louis, State of Missouri. Badge. Des. 64,043; Feb. 26.
Barthel, Oliver E., Detroit, Mich. Grease cup. 1,484,925; Feb. 26.
Bartholomew, Robert, Bridgeport, Conn. Heater or like utensil. 1,485,159; Feb. 26.
Bartlett, George W., assignor of one-half to H. C. Cronkrite, Tacoma, Wash. Charge forming and controlling mechanism for internal-combustion engines. 1,484,808; Feb. 26.
Basmaison, Pierre, San Francisco, Calif. Plane bit. 1,484,861; Feb. 26.
Bassan, Mordecai, Brooklyn, N. Y. Mask-supporting means. 1,485,160; Feb. 26.
Bassick Manufacturing Company, The. (See Fesler, Douglas F., assignor.)
Bauer, William M., Chicago, Ill. Pneumatically-played piano. 1,485,063; Feb. 26.
Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
Baush Machine Tool Company. (See Babson, Roger D., assignor.)
Beagle, Victor E., Alexandria, Va. Hoisting truck. 1,484,698; Feb. 26.
Beagle, Victor E., Alexandria, Va. Curb-box support. 1,484,699; Feb. 26.
Beattey, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. Des. 64,044; Feb. 26.
Beatty, William R., Hammond, Ind. Floor crane. 1,485,011; Feb. 26.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 64,045; Feb. 26.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 64,046; Feb. 26.
Becker, Fred, Cleveland, Ohio. Macaroni and preparing the same. 1,484,863; Feb. 26.
Beeby, Frank F., assignor to Cement Gun Construction Company, Chicago, Ill. Chimney. 1,484,862; Feb. 26.
Beecher Milton F. (See Beth, H. W. H., and Beecher.)
Bellis, Arthur E. (See Roessel, L., Bellis, and Collins.)
Bellis Heat Treating Company. (See Roessel, L., Bellis, and Collins, assignors.)

Benham, George, and M. A. O'Mara, St. Louis, Mo.; said Benham assignor to said O'Mara. Cigar lighter. 1,485,342; Feb. 26.

Benner, Raymond C., Fremont, Ohio, assignor to National Carbon Co. Inc. Dry cell. 1,484,926; Feb. 26.

Benner, Raymond C., Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Storage-cell electrode and support for active materials. 1,484,928; Feb. 26.

Benner, Raymond C., Bayside, and G. W. Heise, Elmhurst, N. Y., assignors to Union Carbide & Carbon Research Laboratories, Inc. Storage-battery separator and making the same. 1,484,927; Feb. 26.

Berenson, Israel, Boston, Mass. Electric switch. 1,485,210; Feb. 26.

Berger, J. P. (See Berger, Thurston, assignor.)

Berger, John F., Trenton, N. J. Shotgun rib. 1,485,064; Feb. 26.

Berger, Thurston, assignor to J. P. Berger, Lindsay, Calif. Renewable electric fuse. 1,485,211; Feb. 26.

Bergman, Victor F. (See Koropp, L., and Bergman.)

Bermes, John W. (See Patrick, H. B., Peterson, and Bermes.)

Berrier, John L. (See Simpson, Cleveland, assignor.)

Beth, Hugo W. H., assignor to Norton Company, Worcester, Mass. Tunnel kiln. 1,485,110; Feb. 26.

Beth, Hugo W. H., and M. F. Beecher, assignors to Norton Company, Worcester, Mass. Tunnel kiln. 1,485,109; Feb. 26.

Bethenod, Joseph, Paris, France. Radio transmission system. 1,485,111; Feb. 26.

Besanny, Salvador G., Muskegon Heights, Mich. Clutch release for tractors. 1,484,929; Feb. 26.

Bickley, Everett H., Upper Darby, Pa. Automatic phonograph stop and start device. 1,485,065; Feb. 26.

Birnie, John J., Birnie, Manitoba, Canada. Shocking machine. 1,484,700; Feb. 26.

Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,485,012; Feb. 26.

Black, William M., Hanford, Calif. Lawn trimmer. 1,484,755; Feb. 26.

Blades, Robert, Chicago, Ill. Skinning knife. 1,484,618; Feb. 26.

Blake, Edwin T., Berkeley, Calif. Means for reenforcing excavator-bucket teeth. 1,485,248; Feb. 26.

Blake, Eli J., Buffalo, N. Y., assignor to Gould Coupler Company. Charging permanent magnets. 1,484,619; Feb. 26.

Blake, Eli J., Buffalo, N. Y., assignor to Gould Coupler Company. Electric regulation. 1,484,620; Feb. 26.

Blake, William A., Alexandria, Ind. Gambrel. 1,485,161; Feb. 26.

Blakeslee, Henry S., Hartford, Conn. Means for indicating load conditions of transformers. 1,485,013; Feb. 26.

Blennerhassett, John, Birmingham, England. Hollow wool-ball holder for domestic use. 1,485,327; Feb. 26.

Bliss, E. W., Company. (See Klocke, W., and Dobson, assignors.)

Bliss, Herbert R., Niagara Falls, N. Y. Constructing fiber shipping cases. Re15,775; Feb. 26.

Board of Police Commissioners of the City of St. Louis. (See Bartelsmeyer, Elmer H., assignor.)

Bock Bearing Company, The. (See Flaherty, John F., assignor.)

Bompart, Charles F., St. Louis, Mo. Hand truck. 1,484,864; Feb. 26.

Bond, Robert I., and F. W. Johnstone, Fort Smith, Ark. Vaginal syringe. 1,484,621; Feb. 26.

Bonelli, George A., Kingman, Ariz. Form for concrete construction. 1,484,865; Feb. 26.

Bonsom, Alfred, Montreal, Quebec, Canada. Oscillatory arc shaper. 1,485,162; Feb. 26.

Booty, Stuart B., East Perth, assignor of one-half to J. A. Turner, Perth, Western Australia, Australia. Magneto accelerator. 1,485,014; Feb. 26.

Borger, Elmer W., Palmerton, Pa. Adjustable folding stand. 1,485,244; Feb. 26.

Borovoy, Samuel, Lowell, assignor to Saco-Lowell Shops, Boston, Mass. Knee brake. 1,484,866; Feb. 26.

Bosch, Robert, Aktiengesellschaft. (See Koerber, Herman, assignor.)

Bower, John H. (See Walker, P. H., and Bower.)

Bowman, Levi M. (See Kotsebue, M. H., and Bowman.)

Boyd, Floyd D., Bloomfield, Nebr. Taking finger prints. 1,485,245; Feb. 26.

Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Apparatus for coating objects. 1,484,867; Feb. 26.

Bradley & Vrooman Company. (See Bradley, Franklin F., assignor.)

Brady, John B., Somerset, Md., assignor to Morkrum Company, Chicago, Ill. Radiotelegraph system. 1,485,212; Feb. 26.

Brady, William H., Roselle, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Lighting device for sewing machines. 1,484,868; Feb. 26.

Brandwein, Henry G., Chicago, Ill. Apparatus for filling mattresses. 1,484,869; Feb. 26.

Braun, Frank, Los Angeles, Calif. Flying machine. 1,485,163; Feb. 26.

Breninger, Dayton C., Massillon, Ohio. Support. 1,484,981; Feb. 26.

Bricken, John, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Automatic tinning machine. 1,485,066; Feb. 26.

Bright, George B., assignor to Detroit Ice Machine Co., Detroit, Mich. Combined dumping and refilling means for ice manufacture. 1,484,082; Feb. 26.

Bristol, Loris E., Gainesville, Fla. Balanced bicycle bag. 1,485,067; Feb. 26.

Britcher, John C., York, Pa. Turbine. 1,484,983; Feb. 26.

Brokate, Clarence W. (See Heise, G. W., and Brokate.)

Brooks, Winfred M., South Orange, N. J. Method and means for sealing. 1,485,328; Feb. 26.

Broscy, Arthur J., Chicago, Ill. Clamp for curtain stretcher. 1,485,015; Feb. 26.

Brown, Edward E., and D. J. Mooney, Westminster, England. Metal construction for aircraft. 1,485,246; Feb. 26.

Browne, Mayotta, San Francisco, Calif. Doll. Des. 64,047; Feb. 26.

Brumbaugh, Oliver, Louisville, Ohio. Silo or tank. 1,484,984; Feb. 26.

Bucyrus Company. (See Monahan, F. J., Ferris, and Lehman, assignors.)

Buhmann, Charles H. (See Eberhart, F., Fleischer, and Buhmann.)

Bunten, Claude L., Rawlins, Wyo. Toy pistol. 1,484,930; Feb. 26.

Burdick, Charles L., London, England. Coin counting and packeting machine. 1,484,870; Feb. 26.

Burgess, Edward W., Milwaukee, Wis. Interlocking tile slab. 1,485,068; Feb. 26.

Burrows, Robert J., assignor to Clark Tractractor Company, Buchanan, Mich. Tote box. 1,484,871; Feb. 26.

Burt, George W., Portland, Oreg., assignor, by mesne assignments, to The Crouse-Tremaine Company, Cleveland, Ohio. Manufacturing ice-cream mixes, milk-chocolate mixes, confection mixes and the like. 1,485,069; Feb. 26.

Burt, George W., Portland, Oreg., and C. R. Mabee, Toronto, Ontario, Canada; said Mabee assignor of his entire interest to Mabee Patents Corporation, Dover, Del. Apparatus for the treatment of materials. 1,485,070; Feb. 26.

Cairns, Joseph W. (See Cairns, Robert and J. W.)

Cairns, Robert and J. W., Watertown, Wis. Coin-delivery machine. 1,484,872; Feb. 26.

Caldwell, Mrs. Howard E., et al. (See Johnston, Horace G., assignor.)

Caldwell, William L., Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Metal-lath-attaching clip. 1,484,931; Feb. 26.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway-car construction. 1,485,329; Feb. 26.

Canton Culvert and Silo Company, The. (See Schlafly, Julius H., assignor.)

Carder, Frederick, assignor to Corning Glass Works, Corning, N. Y. Pitcher. Des. 64,048; Feb. 26.

Cardullo, Forrest E., and C. T. Hummel, assignors to The G. A. Gray Company, Cincinnati, Ohio. Gib for slides for machine tools and other mechanism. 1,485,016; Feb. 26.

Cargile, Chesley B., St. Paul, Minn. Drilling machine. 1,484,809; Feb. 26.

Carlson, Maurice J., Jersey City, N. J. Test indicator. 1,485,247; Feb. 26.

Carpenter, William J., assignor of one-half to Cree and Company, Gorman, Tex. Swab. 1,485,248; Feb. 26.

Carr, Walter D., et al. (See Grouleff, A., and Holmes, assignors.)

Carril, Alfred L. (See Guittard, F. L., and Carril.)

Carroll, Thomas, Langley Field, Va. Means for indicating the liquid content of distant tanks and the like. 1,485,164; Feb. 26.

Carson, William G., Baltimore, Md., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Washing machine. 1,484,873; Feb. 26.

Carter, August J., Chattanooga, Tenn. Tufting-attachment mechanism for sewing machines. 1,485,213; Feb. 26.

Cashiko Machine Company. (See Kovar, J. H., Schimek, and Cavedon, assignors.)

Cavedon, Alexander. (See Kovar, J. H., Schimek, and Cavedon.)

Celona, Ignatius J., Brooklyn, N. Y. Receptacle closure. 1,485,165; Feb. 26.

Celona, Ignatius J., Brooklyn, N. Y. Jar cap. 1,485,166; Feb. 26.

Cement Gun Construction Company. (See Beeby, Frank F., assignor.)

Centner, Harry W. (See Doppes, B. C., and Centner.)

Central Union Trust Company of New York, trustee. (See Wheeler, F. B., and McMeekin, assignors.)

Chance, Henry M., Philadelphia, Pa. Safety razor. 1,485,214; Feb. 26.

Chapman, Frank D., Berlin, Wis. Cooker for canned material. 1,484,756; Feb. 26.

Chase, Elroy A., Northfield, Vt. Stone surfacing wheel. 1,484,810; Feb. 26.

Chester Machine Co. (See Augustine, Addison E., assignor.)

Christensen, John W. (See Tollackson, Theodore J., assignor.)

Christensen, Soren, Copenhagen, Denmark. Fingering mechanism for contrabass viols. 1,484,985; Feb. 26.

Church, Herbert A., Crary Mills, N. Y. Gas vaporizer. 1,485,112; Feb. 26.

Cinderella Heel Corporation. (See Kuebler, Christian G., assignor.)

Citizens of the United States of America. (See Leeper, Robert B.)

Citizens of the United States of America. (See Taylor, George F.)

Clark Tractractor Company. (See Burrows, Robert J., assignor.)

Clark, W. G., & Co. (See Baker, D. N., and Pariseau, assignors.)

Class, Angelo R., Toledo, Ohio. Crank-arm lock. 1,484,875; Feb. 26.

Claude, Georges, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Simultaneously preparing ammonium chloride and sodium carbonate employing synthetic ammonia. 1,484,932; Feb. 26.

Claus, John C., St. Louis, Mo., assignor to S. Jankowsky, Tulsa, Okla. Transporting device for disk cultivators. 1,484,622; Feb. 26.

Cleveland Tractor Company, The. (See Morgan, Matthew B., assignor.)

Cleveland Tractor Company, The. (See Savage, Edwin H., assignor.)

Cleveland Tractor Company, The. (See White, R. H., and Savage, assignors.)

Cleveland Tractor Company, The. (See White, Rollin H., assignor.)

Clough, Woodman W., and C. O. Johns, Elizabeth, N. J., assignors to Standard Development Company. Solvent for organic compounds and the resulting compositions. 1,485,071; Feb. 26.

Coar, Enos E., and C. Thilman, South Bend, Ind. Extension-cord connection. 1,485,215; Feb. 26.

Cochrane, Arthur L., Toronto, Ontario, Canada. Clamp. 1,485,167; Feb. 26.

Cohen, Jacob M., Washington, D. C. Torpedo testing apparatus. 1,485,017; Feb. 26.

Coleman, William C., Wichita, Kans. Oil burner. 1,484,623; Feb. 26.

Collins, Charles S. (See Roessel, L., Bellis, and Collins.)

Coney, William T., assignor to The American Hardware Corporation, New Britain, Conn. Pin-cylinder lock. 1,484,757; Feb. 26.

Conway, Roy D., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,484,933; Feb. 26.

Cook, James R., and W. P. Miesen, Narberth, Pa. Badge or similar article. Des. 64,049; Feb. 26.

Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 1,485,352; Feb. 26.

Cooper, Albert E., Stafford, assignor of one-half to C. Jones, Lower Broughton, Salford, Manchester, England. Notching or like press. 1,485,168; Feb. 26.

Cooper, Henry A., West Union, Ohio. Picture hanger. 1,485,216; Feb. 26.

Cooper, Joseph, Ashton-under-Lyne, England. Lock-stitch mechanism for sewing machines. 1,484,624; Feb. 26.

Cooper, Thomas J., Paterson, N. J. Tire tube. 1,484,625; Feb. 26.

Coopersmith, Rudolph, Montreal, Quebec, Canada, assignor of one-half to A. Ruche, Philadelphia, Pa. Divan, couch, and the like. 1,484,626; Feb. 26.

Corn, James O., Columbia, S. C. Belt tightener for variable-speed mechanism. 1,484,811; Feb. 26.

Corning Glass Works. (See Carder, Frederick, assignor.)

Coune, Felix. (See Philippe, Henri R., assignor.)

Craig, Grover H., assignor of one-half to J. H. Thatcher, Houma, La. Underreamer. 1,485,249; Feb. 26.

Crary, George F., assignor of one-half to J. H. McCormick, Ithaca, N. Y. Pawl-and-ratchet mechanism. 1,485,217; Feb. 26.

Cree and Company. (See Carpenter, William J., assignor.)

Crim, John W., assignor of one-half to J. Norwood, Columbia, S. C. Backband hook. 1,484,986; Feb. 26.

Crompton, George, jr. (See Crompton, Randolph and G., jr.)

Crompton, Randolph and G., jr., Worcester, Mass. Weft-replenishing loom. 1,484,812; Feb. 26.

Cronkrite, Herman C. (See Bartlett, George W., assignor.)

Crose, Lewis P., Carnegie, Okla. Attachment for gasoline tanks. 1,485,250; Feb. 26.

Crouse-Tremaine Company, The. (See Burt, George W., assignor.)

Crowe, John M. (See Ash, J. E., and Crowe.)

Crupi, Frank J., assignor to Herman Behr & Co., Inc., Brooklyn, N. Y. Making a waterproof, flexible, abrasive-holding composition and product. 1,484,759; Feb. 26.

Crystal, Siegfried, New York, N. Y. Space indicator for filing devices. 1,485,169; Feb. 26.

Culp, Arthur J., Clanton, Ala. Engine. 1,485,218; Feb. 26.

Cumfer, Harry A., Chicago, Ill., assignor, by mesne assignments, of one-half to The Flintkote Company, Boston, Mass. Roofing machine. 1,484,760; Feb. 26.

Cumfer, Harry A., Chicago, Ill., assignor, by mesne assignments, of one-half to The Flintkote Company, Boston, Mass. Roofing product. 1,484,761; Feb. 26.

Cummings, George C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,484,762; Feb. 26.

Cummings, William W., jr. (See Eaton, E. S., and Cummings.)

Curtis, Lewis E., assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Producing expanded metal. 1,485,219; Feb. 26.

Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Turbogenerator. 1,484,818; Feb. 26.

Dalrymple, Philip W., Baltimore, Md. Regulator. 1,484,964; Feb. 26.

Dalton, Harry, sr., Philadelphia, Pa. Tank carburetor. 1,485,018; Feb. 26.

Daniels, Lee G., Rockford, Ill. Oil and gas burner. 1,484,814; Feb. 26.

Darnall, L. V., et al. (See Flowers, David S., assignor.)

Davis, Charles H., Glouster, Ohio. Knockdown trestle. 1,485,251; Feb. 26.

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Loom temple. 1,485,843; Feb. 26.

De Blieux, Francois W., Chicago, Ill. Golf-bag support. 1,485,113; Feb. 26.

De Bothezat, George, and I. I. Eremeeff, Dayton, Ohio. Barograph. 1,484,815; Feb. 26.

Debrie, Andre L. V. C., Paris, France. Film-actuating device for positive-film-printing machines. 1,484,701; Feb. 26.

De Bus, Louis K. (See Ash, J. E., and Crowe, assignors.)

De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)

Del Castillo, Miguel R., San Sebastian, Spain. Pneumatic milk extractor. 1,484,874; Feb. 26.

Denis, Luc L. B., Paris, France. Fluid-tight joint for pipes for fluids under pressure. 1,485,252; Feb. 26.

Derby, John H., New York, N. Y. Thermostatic-circuit-controlling device. 1,484,816; Feb. 26.

Destribats, Louis P., Trenton, N. J. Making pneumatic tires. 1,485,170; Feb. 26.

Detroit Ice Machine Co. (See Bright, George B., assignor.)

Deutsche Werke Aktiengesellschaft. (See Sándor, Franz, assignor.)

Devlin, Eugene S., New York, N. Y. Utensil for the treatment of food stuffs. 1,485,253; Feb. 26.

Dewey, John J., Quechee, Vt. Repeater for talking machines. 1,485,019; Feb. 26.

Diamond Match Company, The. (See Paridon, Michael, assignor.)

Diamond Match Company, The. (See Wright, Jacob P. and C. F., assignors.)

Di Carlo, Donato, Philadelphia, Pa. Record-ejecting device. 1,484,627; Feb. 26.

Dickie, William A., Spondon, near Derby, England, assignor to American Cellulose and Chemical Manufacturing Company, Limited. Apparatus for coating wire with varnish and the like. 1,485,254; Feb. 26.

Diehl Manufacturing Company. (See Brady, William H., assignor.)

Diehl Manufacturing Company. (See Elshoff, Bernard, assignor.)

Dinhofer, Harry, New York, N. Y. Process and blank for making finger rings. 1,484,628; Feb. 26.

Dinklage, August, East Orange, N. J. Anchoring device. 1,484,817; Feb. 26.

Ditson, Jesse, and A. E. Peters, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Hoist. 1,484,763; Feb. 26.

Dobrowolski, Alfons, Racine, Wis. Combination tricycle and gocart. 1,484,876; Feb. 26.

Dobson, John E. (See Klocke, W., and Dobson.)

Dodd, Jonathan B., Cumberland, Md. Actuating mechanism for coal dump cars. 1,484,764; Feb. 26.

Dodd, William C., Bald Knob, Ark. Pump. 1,484,987; Feb. 26.

Dole Arthur C., jr. (See Dole, Arthur C., sr., and A. C., jr.)

Dole, Arthur C., sr., and A. C., jr., Kansas City, Mo. Draft regulator for steam boilers. 1,485,330; Feb. 26.

Doppes, Bernard C., and H. W. Centner, Cincinnati, Ohio. Spark-plug tester. 1,485,171; Feb. 26.

Dowdall, James T., Glen Morris, N. Y. Spool support. 1,485,020; Feb. 26.

Dowell, Benjamin B., Washington, D. C. Vanity case. Des. 64,107; Feb. 26.

Dowell, Benjamin B., Washington, D. C. Vanity case. 1,485,172; Feb. 26.

Dowling, Donaldson B., Ottawa, Canada. Apparatus for drawing isometric or other mechanical projections. 1,484,702; Feb. 26.

Draper Corporation. (See Davis, Harry A., assignor.)

Drewsen, Viggo, Larchmont, N. Y., assignor to West Virginia Pulp and Paper Company, New York, N. Y. Making sodium sulphite. 1,484,818; Feb. 26.

Duban, Charles. (See Sovitsky, W., and Duban.)

Dublin, Winfield L., Tyler, Tex. Safety lamp for fenders of motor vehicles. 1,484,819; Feb. 26.

Duncan, Frank L., Lompoc, Calif. Centrifugal-force sight feed. 1,484,935; Feb. 26.

Duncan, Harry L., Mahwah, N. J. Acoustic diaphragm. 1,484,820; Feb. 26.
Duncan, Harry L., Mahwah, N. J. Diaphragm. 1,484,821; Feb. 26.
Dungan, Harry M., Oregon, Mo. Inkstand. 1,485,255; Feb. 26.
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodbury, Clifford A., assignor.)
Durand Steel Locker Company. (See Vance, Walter N., assignor.)
Durkin, James E., and D. Wilkie, Battle Creek, Mich. Process and apparatus for manufacturing paper. 1,485,256; Feb. 26.
Dye, John B., Springfield, Mo. Ice pick. 1,485,257; Feb. 26.
Dzus, William, assignor of thirty per cent to G. M. Richardson. Saranac Lake, N. Y. Lathe attachment. 1,485,258; Feb. 26.
Eaton, Ezra S., Newton, Mass., and W. W. Cummings, jr., Hanover, N. H., assignors to The Industrial Appliance Co. of New England, Boston, Mass. Baking oven. 1,485,173; Feb. 26.
Eberhart, Felix, Newark, P. W. Fleischer, Weehawken Heights, N. J., and C. H. Buhmann, New York, N. Y., assignors to American Can Company, New York, N. Y. Can-drying apparatus. 1,484,629; Feb. 26.
Eccles, William. (See Guy, H. L., and Eccles.)
Eccles, William, Chorlton-cum-Hardy, and H. L. Guy, Manchester, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Frame support. 1,484,936; Feb. 26.
Economy Engineering Company. (See French, George M., assignor.)
Eckenwalder, Charles, New York, N. Y. Convertible furniture. 1,484,630; Feb. 26.
Eckler, Charles F., Indianapolis, Ind. Step plate. 1,484,877; Feb. 26.
Eden Washer Corporation. (See Francis, Charles W., assignor.)
Edmonds, Walter D. (See Hawes, Herbert E., assignor.)
Edwards, George D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,484,765; Feb. 26.
Edwards, Isaac L., Aurora, Ill. Railway safety device. 1,485,331; Feb. 26.
Edwards, Isaac L., Aurora, Ill. Bumper for motor vehicles. 1,485,332; Feb. 26.
Egerton, Henry C., Ridgewood, N. J. Cushioned vehicle tire, etc. 1,484,937; Feb. 26.
Eglinski, Alexander. (See Morrison, E. Futrall, and Eglinski.)
Ehrich, Simon, Bronx, N. Y. Bracket attachment. 1,485,259; Feb. 26.
Eiselt, Emil, Baltimore, Md. Railway car. 1,484,938; Feb. 26.
Elbe File & Binder Co. (See Heend, Orah, assignor.)
Electric Vacuum Cleaner Company. (See Hoff, Karl B., assignor.)
Electromotive Engineering Company, The. (See Hamilton, Harold L., assignor.)
Elgin National Watch Company. (See Wilkinson, George E., assignor.)
Ellery, Arthur B., Akron, Ohio. Striker plate for doors. 1,485,179; Feb. 26.
Ellis, Alvarado L. R., Lynn, Mass., assignor to General Electric Company. Plug receptacle. 1,485,175; Feb. 26.
Elshoff, Bernard, assignor to Diehl Manufacturing Company, Elizabeth, N. J. Lighting device for sewing machines. 1,484,822; Feb. 26.
Emmets, Louis N., Brooklyn, N. Y., assignor to Kiddies Metal Toys, Inc. Sand pail. Des. 64,060; Feb. 26.
Emmons, Harold H. (See McCain, George L., assignor.)
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disinfecting seeds and composition therefor. 1,485,021; Feb. 26.
Enterprise Railway Equipment Company. See Campbell, Argyle, assignor.)
Eremeeff, Ivan I. (See de Bothezat, G., and Eremeeff.)
Erickson, Hjalmar, Cambridge, Mass. Machine for cleaning book covers and the like. 1,484,766; Feb. 26.
Ernst, Fritz, Zurich, Switzerland. Device for the treatment of affections of the airways of the human body. 1,485,260; Feb. 26.
Eshman, Joseph R., and W. G. Johnson, Eureka Springs, Ark. Bug destroyer. 1,484,703; Feb. 26.
Eureka Rough Dry Pin System Co. (See Hanney, A. F., and Gammell, assignors.)
Faethe, William, Raven Rock, N. J. Mower. 1,484,631; Feb. 26.
Fales, Elisha N., Dayton, Ohio. Helicopter flying machine. 1,484,637; Feb. 26.
Farner, August, Rusnacht, near Zurich, assignor to the Firm G. Hunsiker, Ruti, Canton, Zurich, Switzerland. Disintegrator and feeder. 1,485,072; Feb. 26.
Farrell, James W., assignor to The Homan Manufacturing Company, Cincinnati, Ohio. Sandwich plate or similar article. Des. 64,061; Feb. 26.
Fearing, Elmer R., Charleston, S. C. Compass saw. 1,485,261; Feb. 26.
Fedders Manufacturing Company. (See Yeager, Henry M., assignor.)
Feil, William, assignor to Visible Gasoline Filter Company, Chicago, Ill. Gasoline filter. 1,484,767; Feb. 26.
Fenn, Robert H., Whitestone, N. Y. Automatic label feeder. 1,485,344; Feb. 26.
Ferris, Walter. (See Monahan, F. J., Ferris, and Lehman.)
Fesenmeier, Leo. (See Salmon, Edward W., jr., assignor.)
Fesler, Douglas F., Evanston, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Compressor. 1,485,022; Feb. 26.
Fiek, Walter H., New York, N. Y., assignor to The Rosenthal China Corporation. Plate or similar article. Des. 64,052; Feb. 26.
Fisher, William G., Sunbury, Pa. Shuttle trap or guard for looms. 1,484,939; Feb. 26.
Flagg, Ernest, New York, N. Y. Partition construction. 1,485,262; Feb. 26.
Flaherty, John F., assignor to The Bock Bearing Company, Toledo, Ohio. Grinding machine. 1,484,878; Feb. 26.
Flannery, James J., jr., Pittsburgh, Pa. Traffic signal. 1,484,633; Feb. 26.
Flash-Way Corporation, The. (See Johnson, Albert S., assignor.)
Fleischer, Paul W. (See Eberhart, F., Fleischer, and Buhmann.)
Fleming, Robert G., Newark, assignor to The Smokador Manufacturing Company, Inc., Bloomfield, N. J. Combination cigarette holder and smoking tube. 1,485,345; Feb. 26.
Fleming, Robert G., Newark, assignor to The Smokador Manufacturing Company, Inc., Bloomfield, N. J. Smoker's appliance. 1,485,346; Feb. 26.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Manufacturing spokes. 1,485,176; Feb. 26.
Flintkote Company, The. (See Cumfer, Harry A., assignor.)
Flowers, David S., assignor of two-fifths to L. V. Darnall, two-fifths to W. Pyne, and one-fifth to (Mrs.) W. H. Pyne. Des Moines, Iowa. Wrench. 1,485,220; Feb. 26.
Fogwell, Harrison H., and C. J. Heiser, assignors of two-thirds to J. N. Van Patten and one-third to said Heiser. Los Angeles, Calif. Ironing machine. 1,484,879; Feb. 26.
Forbes, Alexander. London, England. Tennis-racquet press. Des. 64,103; Feb. 26.
Ford, Hannibal C., Jamaica, N. Y. Calculating instrument. 1,484,823; Feb. 25.
Ford Motor Company. (See Galamb, Joseph, assignor.)
Ford, Oscar L. (See Whalen, James, assignor.)
Forges & Ateliers de Constructions Electriques De Jeumont. (See Perret, J., and Otz, assignors.)
Forges et Ateliers de Constructions Electriques De Jeumont. (See Perret, Joseph, assignor.)
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Process and means for preventing one of two centrifugally-separated liquids from contaminating the other. 1,485,177; Feb. 26.
Foss, Clarence H., Minot, N. Dak. Grain-door structure. 1,484,634; Feb. 26.
Fouts, Lane M., Spokane, Wash. Water-sprinkling system. 1,484,768; Feb. 26.
France, Arthur G., London, England. Locking washer for nuts and the like. 1,484,769; Feb. 26.
Francis, Charles W., Paterson, N. J., assignor, by mesne assignments, to Eden Washer Corporation. Lubricating system for gearing. 1,484,635; Feb. 26.
Frank, John C., Chicago, Ill. Radiator support. 1,485,178; Feb. 26.
Frankland, Edwin, Pontiac, Mich. Motor-vehicle axle. 1,485,023; Feb. 26.
French, George M., assignor to Economy Engineering Company, Chicago, Ill. Raising and lowering machine. 1,484,636; Feb. 26.
French, James C., Chicago, Ill., assignor, by mesne assignments, to F. C. Austin Machinery Company. Tractor. 1,484,637; Feb. 26.
Frerichs, Gustav, Duisburg, Germany, assignor to W. E. Frerichs, Brooklyn, N. Y. Apparatus for the preservation of food and the like. 1,484,704; Feb. 26.
Frerichs, Wilbur E. (See Frerichs, Gustav, assignor.)
Frisk, Otto, assignor to A. E. Anderson, Kiron, Iowa. Saw set. 1,485,114; Feb. 26.
Frost, Harvey, & Company Limited. (See Welch, Walter H., assignor.)
Frothingham, Daniel D., Salem, and R. U. Sawyer, Winchester, Mass. Machine for and method of coating fabrics. 1,484,705; Feb. 26.
Fulton, John S. S., Chicago, Ill. Stoker. 1,484,638; Feb. 26.
Funk, Charles J., assignor to The Wahl Company, Chicago, Ill. Pencil. 1,485,073; Feb. 26.
Funk, Jacob L., Vallejo, Calif. Wheelbarrow. 1,485,179; Feb. 26.
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in repairing enameled leather. 1,484,706; Feb. 26.
Futrall, William F. (See Morrison, E., Futrall, and Eglinski.)
Gage, Edward E., New York, N. Y. Door-securing mechanism. 1,485,024; Feb. 26.
Galamb, Joseph, Detroit, assignor to Ford Motor Company, Highland Park, Mich. Motor vehicle. 1,484,880; Feb. 26.

Gammell, Alexander. (See Hanney, A. F., and Gammell.)
Gannett, Danforth K., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Relay and circuit therefor. 1,484,707; Feb. 26.
Gardner, Ezariah D. (See Larzelere, Charles F., assignor.)
Gathmann, Emil, Baltimore, Md. Ingot mold and ingot. 1,484,940; Feb. 26.
Gaulke, Charles H., Milwaukee, Wis. Slot guard for automobile levers. 1,484,824; Feb. 26.
Gee, Charles E., London, England. Box. 1,485,221; Feb. 26.
General Electric Company. (See Axtell, Clinton J., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Ellis, Alvarado L. R., assignor.)
General Electric Company. (See Kubach, William L., assignor.)
General Electric Company. (See McKay, John A., assignor.)
General Electric Company. (See Peterson, Charles F., assignor.)
General Electric Company. (See Wood, James J., assignor.)
George, Harry F., Chicago, Ill. Armoring means. 1,484,639; Feb. 26.
Getchell, Robert M., Dayton, Ohio. Valve-adjusting means. 1,484,640; Feb. 26.
Gianoulis, Tom, et al. (See Lovelace, Eugene G., assignor.)
Gill, James H. W., Heacham, assignor to Gill Propeller Company Limited, King's Lynn, Norfolk, England. Propulsion and maneuvering of vessels. 1,484,881; Feb. 26.
Gill Propeller Company Limited. (See Gill, James H. W., assignor.)
Ginty, Charles L., Cambria, Lockport, N. Y. Spraying apparatus. 1,485,222; Feb. 26.
Glatt, Joseph J., St. Marys, Pa. Lifting jack. 1,484,825; Feb. 26.
Goertz, August, & Co. (See Goertz, Frederick, assignor.)
Goertz, Frederick, assignor to August Goertz & Co., Newark, N. J. Vanity box. 1,484,770; Feb. 26.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,053; Feb. 26.
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Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,058; Feb. 26.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,059; Feb. 26.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,060; Feb. 26.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,061; Feb. 26.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,484,771; Feb. 26.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,484,941; Feb. 26.
Goodwin, Walter E., Sale, England. Lubricating arrangement for the crank cases or oil chambers of motor vehicles. 1,484,641; Feb. 26.
Gordan Maching Company. (See Hodgdon, Andrew Y., assignor.)
Gould Coupler Company. (See Blake, Eli J., assignor.)
Grassman, John A., administrator. (See Grassman, John A.)
Grassman, John A., deceased, Palmyra, Pa.; J. A. Grassman, administrator. Lawn-mower sharpener. 1,484,708; Feb. 26.
Gray, Benjamin F., and A. J. Morrison, Valera, Tex. Safety device for bank vaults. 1,484,772; Feb. 26.
Gray Brothers. (See Gray, Edward E., assignor.)
Gray, Edward E., assignor to Gray Brothers, Plano, Ill. Lunch box. 1,484,882; Feb. 26.
Gray, G. A., Company, The. (See Cardullo, F. E., and Hummel, assignors.)
Gray, Orrin D., assignor to Advance Automobile Accessories Corporation, Chicago, Ill. Friction material. 1,485,180; Feb. 26.
Green, Matthew, assignor to Parker Rust-Proof Company, Detroit, Mich. Compound for and treating metals. 1,485,025; Feb. 26.
Greene, Charles A., New York, N. Y. Ash-tray mounting. 1,485,223; Feb. 26.
Greist Manufacturing Company, The. (See Lent, Wilmar F., assignor.)
Gross, Angus R., Baltimore, Md. Cowl light. 1,485,074; Feb. 26.
Grouleff, Aage, and H. A. Holmes, Chicago, Ill., assignors to W. D. Carr, Hammond, Ind., and S. Moore, Riverside, Ill. Electric flatiron. 1,484,773; Feb. 26.
Groves, Alfred P., Charleston, S. C. Device for cleaning player pianos. 1,484,774; Feb. 26.
Gruber, Edward, Lyndhurst, Ohio. Unit for track belts. 1,485,026; Feb. 26.
Grün, Adolf. (See Zollinger, E., and Grün.)
Grund, Richard, Cleveland, Ohio. Marking device. 1,485,181; Feb. 26.
Grunebaum, Charles, Philadelphia, Pa. Bead-clasp base. 1,485,027; Feb. 26.
Gscheidlen, Wilhelm. (See Lenhardt, G., and Gscheidlen.)
Guhin, Michael M., Pierre, S. Dak. Educational device. 1,484,883; Feb. 26.
Guittard, Frank L., and A. L. Carril, assignors, by mesne assignments, of one-third to F. X. Schwarzenbek, San Francisco, Calif. 1,485,115; Feb. 26.
Gumaer, Albert P., South Orange, N. J. Key label. 1,485,075; Feb. 26.
Gunter, May C., New York, N. Y. Combination salt and pepper device. 1,485,028; Feb. 26.
Gusmer, Aage, West End, N. J. Clarifying fruit juices. Re15,776; Feb. 26.
Guy, Henry L. (See Eccles, W., and Guy.)
Guy, Henry L., Manchester, and W. Eccles, Chorlton-cum-Hardy, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Gear casing. 1,484,942; Feb. 26.
Haberman, Zeno C., Watertown, S. Dak. Washing-machine casing. Des. 64,062; Feb. 26.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for making heels. 1,484,642; Feb. 26.
Haehl, William G., Manilla, Ind. Clutch-pedal holder or retainer. 1,485,182; Feb. 26.
Haen, William T., Minneapolis, Minn. Belt buckle. 1,484,884; Feb. 26.
Haight, Galen A., Detroit, Mich. Toy. 1,484,775; Feb. 26.
Haighton, Coenraad A. A., The Hague, Netherlands. Means for flattening the current waves of pulsating direct current. 1,485,076; Feb. 26.
Hall, Charles W., Princeton, W. Va. Railway grade-crossing gate. 1,484,943; Feb. 26.
Hambuechen, Carl, New York, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Depolarising composition. 1,484,885; Feb. 26.
Hamilton, Harold L., assignor to The Electromotive Engineering Company, Cleveland, Ohio. Truck. 1,485,224; Feb. 26.
Hamilton, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Public-address circuits. 1,484,988; Feb. 26.
Hamlin, John, Muncie, and T. Makela, Indianapolis, Ind. Metallic motor-vehicle top. 1,485,029; Feb. 26.
Hammond, John H., jr., Gloucester, Mass. Sensitive relay. 1,484,709; Feb. 26.
Hammond, John H., jr., Gloucester, Mass. System for controlling moving bodies. 1,485,183; Feb. 26.
Hancock, Dora B., assignor to The Tri-State Telephone and Telegraph Company, St. Paul, Minn. Plate or similar article. Des. 64,063; Feb. 26.
Hancock Manufacturing Company. (See Yates, Joseph M., assignor.)
Hancock, Raymond C., St. Louis, Mo. Automobile headlight. 1,485,030; Feb. 26.
Hann, Chester K. (See Hann, Paul V., assignor.)
Hann, Paul V., assignor of one-half to C. K. Hann, Columbus, Ohio. Advertising sign. 1,485,077; Feb. 26.
Hanney, Angus F., and A. Gammell, assignors to Eureka Rough Dry Pin System Co., Chicago, Ill. Tag holder. 1,484,776; Feb. 26.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hand-regulating valve for rotation motors. 1,484,643; Feb. 26.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Road-surfacing machine. 1,484,944; Feb. 26.
Hansen, Henry A. and R. W., Chicago, Ill. Lamp. Des. 64,064; Feb. 26.
Hansen, Henry A. and R. W., Chicago, Ill. Lamp. bination lamp and phonograph stand. Des. 64,065; Feb. 26.
Hansen, Henry A. and R. W., Chicago, Ill. Lamp. phonograph. Des. 64,066; Feb. 26.
Hansen, Roy W. (See Hansen, Henry A. and R. W.)
Harley-Davidson Motor Co. (See Harley, William S., assignor.)
Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Ignition apparatus. 1,485,353; Feb. 26.
Harris, Percival V., and J. D. Reynolds, Philadelphia, Pa. Radiator guard. 1,485,184; Feb. 26.
Hart, Harry S., assignor to Rodger Ballast Car Company, Chicago, Ill. Door-operating mechanism. 1,485,185; Feb. 26.
Harza, Leroy F., Chicago, Ill. Hydraulic turbine. 1,485,186; Feb. 26.
Hassenpflug, William J., Chicago, Ill. Drumstick. 1,484,777; Feb. 26.
Hater, Harry J., Cincinnati, Ohio. Piston. 1,485,078; Feb. 26.
Hawes, Herbert E., Brooklyn, assignor of thirty-one-hundredths to W. D. Edmonds, Boonville, N. Y. Aeronautics. 1,484,778; Feb. 26.
Hawk, Harvey, Grampian, Pa. Brake. 1,484,989; Feb. 26.
Hayes, Edward J., Beaumont, Tex. Wooden vacuum tub for ice-cream tubs. 1,485,263; Feb. 26.

Hayes, Joe. (See Hogans, John V., assignor.)
Hayes Wheel Company. (See Flick, Henry, assignor.)
Heald, Merl J., Tulsa, Okla. Choke nipple for oil lines. 1,485,264; Feb. 26.
Heend, Orah, Brooklyn, N. Y., assignor to Elbe File & Binder Co., Inc. Stock sheet for postage stamps or the like. 1,484,827; Feb. 26.
Heggelund, Peter S., Deadwood, S. Dak. Doll. Des. 64,067; Feb. 26.
Heise, George W. (See Benner, R. C., and Heise.)
Heise, George W., Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Dry cell and reducing gaseous pressure therein. 1,484,779; Feb. 26.
Heise, George W., Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Depolarizing mixture and preparing the same. 1,484,782; Feb. 26.
Heise, George W., Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Making gelatinous alkaline electrolyte and compositions therefor. 1,484,784; Feb. 26.
Heise, George W., Elmhurst, N. Y., and C. W. Brokate, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc. Permeable depolarizing masses and making the same. 1,484,780; Feb. 26.
Heise, George W., Elmhurst, N. Y., and C. W. Brokate, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc. Primary electric cell and preparing depolarizer therefor. 1,484,781; Feb. 26.
Heise, George W., Elmhurst, N. Y., and C. W. Brokate, Danbury, Ohio, assignors to Union Carbide & Carbon Research Laboratories, Inc. Coated primary-cell electrode. 1,484,783; Feb. 26.
Heiser, Charles J., et al. (See Fogwell, H. H., and Heiser.)
Heisey, A. H., & Co. (See Balda, Joseph O., assignor.)
Helena Unit Hoop-Head Co. (See Willson, John O., assignor.)
Henderson, Albert E., Toronto, Ontario, Canada. Tube for pneumatic tires. 1,485,265; Feb. 26.
Hennah, Harold S., London, England. Means for securing sanitary towels to belts or supports. 1,485,266; Feb. 26.
Herks, Jefferson, Detroit, Mich. Cigar holder. 1,485,267; Feb. 26.
Herman Behr & Co. (See Crupi, Frank J., assignor.)
Herrmann, Otto, Erfurt, assignor to J. A. John Aktien-Gesellschaft, Erfurt-Ilversgehofen, Germany. Washing machine. 1,485,354; Feb. 26.
Hettick, Jesse H. (See Woods, Fred M., assignor.)
Hewitt, John L., Philadelphia, Pa. Sign. 1,484,644; Feb. 25.
Hill, Frank M., Camden, N. J. Brine-circulating system. 1,484,896; Feb. 26.
Hill, Herbert M., New York, N. Y., assignor to Phenix Cheese Company. Feed hopper for plastic materials. 1,484,945; Feb. 26.
Hinkey, Fred J., et al. (See Michel, Thomas R., assignor.)
Hiss, John M., Columbus, Ohio. Apparatus for supporting arches. 1,484,785; Feb. 26.
Hodgdon, Andrew Y., Dedham, assignor to Gordan Machine Company, Boston, Mass. Selecting and delivering mechanism for packaging machines, etc. 1,485,187; Feb. 26.
Hoff, Earl B., Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc. Suction cleaner. 1,485,188; Feb. 26.
Hoffman, Howard H., Fairfield Beach, assignor to The Lake Torpedo Boat Company, Bridgeport, Conn. Safety quick-closing valve. 1,485,031; Feb. 26.
Hoffmann, Charles F., South Norwood, Ohio. Propeller blade. 1,485,079; Feb. 26.
Hogans, John V., Argyle, Fla., assignor of one-half to J. Hayes, Newark, N. J. Cant hook. 1,484,990; Feb. 26.
Holmes, Charles F., Chicago, Ill. Circuit breaker. 1,484,645; Feb. 26.
Holmes, Harold A. (See Grouleff, A., and Holmes.)
Holub, Gus, Ravenna, Nebr. Framer. 1,484,710; Feb. 26.
Homan Manufacturing Company, The. (See Farrell, James W., assignor.)
Hook & Hastings Company. (See Zimmer, George J., assignor.)
Hopkinson, Richard H. and V., Bradford, England. Variable-speed gearing for motor vehicles and machinery. 1,484,711; Feb. 26.
Hopkinson, Vincent. (See Hopkinson, Richard H. and V.)
Hopson, Harry B., Springfield, Mass. Fire screen. 1,484,648; Feb. 26.
Horton, George A., Caseville, Mich. Dirigible headlight. 1,485,225; Feb. 26.
House, Henry A., Bridgeport, Conn. Closure for receptacles. 1,485,136; Feb. 26.
Howard, Dudley B., Washington, D. C. Flinch indicator for firearms. 1,484,647; Feb. 26.
Hugershoff, Karl R., Tharandt, Germany. Theodolite for making angular determinations direct from photograms. 1,485,226; Feb. 26.
Hughes, Arthur, Los Angeles, Calif. Putty-trimming machine. 1,485,268; Feb. 26.
Hughes, David, Butte, Mont. Belt fastener. 1,484,828; Feb. 26.
Huguenin, Gustav, assignor to Nestle and Anglo-Swiss Condensed Milk Company, Cham, Switzerland. Box or container for use in the conveyance or transport of goods or merchandise. 1,484,829; Feb. 26.
Humiston, Burr. (See Mathers, F. C., and Humiston.)
Hummel, Charles T. (See Cardullo, F. E., and Hummel.)
Hunter, Charles A., Far Hills, N. J. Talking doll. 1,485,137; Feb. 26.
Hunziker, Firm G. (See Farner, August, assignor.)
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Drillproof cylinder lock. 1,484,830; Feb. 26.
Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Drillproof cylinder lock. 1,484,831; Feb. 26.
Hurt, Henry H., Yonkers, assignor to Robeson Process Company, New York, N. Y. Deodorizing and preserving. 1,485,333; Feb. 26.
Hyatt, Glenn, Midvale, Utah. Identification device. 1,484,887; Feb. 26.
Industrial Appliance Co. of New England, The. (See Eaton, E. S., and Cummings, assignors.)
Ingersoll-Rand Company. (See Ditson, J., and Peters, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Peck, Caid H., assignor.)
Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Silver Company. (See Beck, Ernest T., assignor.)
Interstate Iron and Steel Company. (See Klump, Joseph R., assignor.)
Interstate Iron and Steel Company. (See Nelson, William B., assignor.)
Interstate Refineries Inc. (See Muehl, William F., assignor.)
Ivers-Lee Company. (See Macdonald, Charles H., assignor.)
Jacobs, Conrad, New York, N. Y. Spark-plug cleaner. 1,485,347; Feb. 26.
Jalbert, Domina C., Woonsocket, R. I. Key ring. 1,484,991; Feb. 26.
Janes, Henry E., Pelham Manor, N. Y. Flour box. 1,485,032; Feb. 26.
Jankowsky, Simon. (See Claus, John C., assignor.)
Jenkins, Alexander F., Baltimore, Md. Metal-working torch. 1,485,033; Feb. 26.
Jenkins, Charles F., Washington, D. C. Mounting for picture-projecting lights. 1,484,648; Feb. 26.
Johansson, C. E., Inc. (See Aldeborgh, Erik H., assignor.)
John, J. A., Aktien-Gesellschaft. (See Herrmann, Otto, assignor.)
Johns, Carl O. (See Clough, W. W., and Johns.)
Johnson, Albert S., Oakland, Calif., assignor to The Flash-Way Corporation. Safety signal. 1,484,712; Feb. 26.
Johnson, Correl W., New York, N. Y. Sound clarifier. 1,485,348; Feb. 26.
Johnson, Ernest V., Chicago, Ill. Flat-arch floor construction. 1,484,649; Feb. 26.
Johnson, Frederick H., South Pasadena, Calif. Disappearing lawn sprinkler. 1,484,888; Feb. 26.
Johnson, Jesse C., Delray, Fla. Aeroplane. 1,485,269; Feb. 26.
Johnson, John M., Kansas City, Mo., assignor to The United States Automatic Fire Alarm Company. Signal system. 1,484,713; Feb. 26.
Johnson, Lawrence T., Buffalo, N. Y. Lifting jack. 1,485,138; Feb. 26.
Johnson, Tomlinson F., jr., Atlanta, Ga. Automatic circuit-breaker attachment for high-tension transmission lines. 1,485,227; Feb. 26.
Johnson, Tomlinson F., jr., Atlanta, Ga. Cross-arm hook for electric transmission lines. 1,485,228; Feb. 26.
Johnson, William G. (See Eshman, J. B., and Johnson.)
Johnston, Genevieve, et al. (See Johnston, Horace G., assignor.)
Johnston, Horace G., assignor of four-fifths to G. Johnston and one-fifth to Mrs. H. E. Caldwell, Corsicana, Tex. Hydraulic swivel. 1,484,786; Feb. 26.
Johnstone, Francis W. (See Bond, E. I., and Johnstone.)
Jones, Charles. (See Cooper, Albert E., assignor.)
Jones, Edward T., New Orleans, La. Switch. 1,485,080; Feb. 26.
Joriot, Camille, Lac-on-Villers, France. Pistol and mechanism which can be concealed in any portable object. 1,484,650; Feb. 26.
Julien, Rudolph H., Copas, Minn. Nest. 1,485,229; Feb. 26.
Julius, George A., Sidney, New South Wales, Australia. Ticket issuing and totallising device. 1,484,946; Feb. 26.
Jumbo Specialty Co., The. (See Morgan, Guy E., assignor.)
Kadel, B. W., et al. (See Simmons, Alba K., assignor.)
Kahn, Joseph, Chicago, Ill. Loose-leaf binder. 1,485,034; Feb. 26.
Kaley, John H., Schenectady, N. Y. Vehicle signal. 1,484,714; Feb. 26.

Kamerer, Emanuel A., Cedar, Iowa. Folding crate. 1,484,651; Feb. 26.
Kane, James E., and A. J. Maskrey, jr., Canton, Ohio. Tin-plate polishing and cleaning machine. 1,485,110; Feb. 26.
Karr, Joseph J., Linton, Oreg. Brake shoe. 1,484,787; Feb. 26.
Kauffman, Percival H., New Orelans, La. Boiler cleaner. 1,484,832; Feb. 26.
Kaye, John A., Sault Ste. Marie, Ontario, Canada. Combination tea and coffee pot. 1,484,889; Feb. 26.
Keck, Robert R., Alhambra, Calif. Hand-control load-lifting truck. 1,484,947; Feb. 26.
Keech, Bert F., et al. (See Michel, Thomas R., assignor.)
Keller, Anton, Birmingham, Ala. Curtain ring. 1,484,652; Feb. 26.
Keller, Frank, Chicago, Ill. Cuff link. 1,484,788; Feb. 26.
Keller, John A., Bay Shore, assignor to Keller Printing Company, New York, N. Y. Machine for printing tickets. 1,485,270; Feb. 26.
Keller Printing Company. (See Keller, John A., assignor.)
Kellogg, Daniel P., Los Angeles, Calif., assignor to J. J. McCarthy, Chicago, Ill. Car roof. 1,484,890; Feb. 26.
Keltie, George R., Woonsocket, R. I., assignor, by mesne assignments, to American Wringer Company, Inc. Wringer roll. 1,485,189; Feb. 26.
Kemerling, Alexander G., assignor of one-half to I. F. Raudabaugh, Celina, Ohio. Shock absorber. 1,485,271; Feb. 26.
Kemp, George M., Williamsport, Md. Middlings mill. 1,484,715; Feb. 26.
Keppler, Fred J., Buffalo, N. Y. Convertible building. 1,485,085; Feb. 26.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 64,068; Feb. 26.
Kesy, Eugene, Chicago, Ill. Shoe. Des. 64,104; Feb. 26.
Kiddies Metal Toys, Inc. (See Emmets, Louis N., assignor.)
Kiefer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Talking-machine cabinet. 1,484,833; Feb. 26.
Kijima, Kenji, Los Angeles, Calif. Electric swivel socket. 1,484,992; Feb. 26.
Kimberlin, Robert H., Midland, S. Dak. Weeding tool. 1,484,948; Feb. 26.
Kinder, Linwood U., assignor to National Wood Renovating Company, Kansas City, Mo. Eraser for blackboards. 1,485,061; Feb. 26.
Kingsley, Francis, New Rochelle, N. Y. Universal joint. 1,485,036; Feb. 26.
Kinsman, Harold J., Falmouth, England. Golf club. 1,485,272; Feb. 26.
Kirchhoff, Frederick C., San Francisco, Calif. Ice-cream scoop. 1,484,716; Feb. 26.
Kirkbride, George A., Philadelphia, Pa. Work clamp and gauge. 1,485,082; Feb. 26.
Kirschner, Felix, Vienna, Austria. Apparatus for electrogalvanizing. 1,484,653; Feb. 26.
Kissel Motor Car Company. (See Tarkington, J. A., and Palmer.)
Kite, Thomas C., Shenandoah, Va. Educational device. 1,485,190; Feb. 26.
Kitselman Brothers. (See Kitselman, C. M., and Barber, assignors.)
Kitselman, Carl M., and O. L. Barber, assignors to Kitselman Brothers, Muncie, Ind. Fencepost. 1,484,940; Feb. 26.
Klein, Peter, Roseland, Nebr. Grain saver. 1,484,891; Feb. 26.
Kleintop, Charles, Allentown, Pa. Dipper. 1,485,273; Feb. 26.
Kline, Michael I., assignor to American Metals Corporation, Indianapolis, Ind. Shock absorber for vehicles. 1,485,274; Feb. 26.
Klocke, William, and J. E. Dobson, New York, assignors to E. W. Bliss Company, Brooklyn, N. Y. Mechanical movement. 1,484,654; Feb. 26.
Klump, Joseph R., assignor to Interstate Iron and Steel Company, Chicago, Ill. Cooling bed. 1,484,717; Feb. 26.
Knox, William J., New York, assignor of one-half to A. B. Speer, Bronxville, N. Y. Apparatus for the recovery and refining of light hydrocarbon oils and gases from oil wells. 1,484,718; Feb. 26.
Kobylanski, Peter, Hamilton, Ontario, Canada. Combined chair and stepladder. 1,484,720; Feb. 26.
Koch, William L. C., Scranton, Pa. Rowlock. 1,484,719; Feb. 26.
Koerber, Hermann, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Dismountable spark plug. 1,485,275; Feb. 26.
Koerner, Ewald, Dresden, Germany. Device for aligning cigarettes discharged from cigarette-making machines. 1,485,220; Feb. 26.
Kohler, John B., Chicago, Ill. Chimes. 1,484,655; Feb. 26.
Kohoutek, Emil E., Omaha, Nebr. Bolt-hole cleaner. 1,484,721; Feb. 26.
Koropp, Leopold, and V. F. Bergman, Chicago, Ill. Plant product. 1,484,656; Feb. 26.
Kotzebue, Meinhard H., and L. M. Bowman, Tulsa, Okla. Apparatus for cracking hydrocarbons and recovering gasoline. 1,485,083; Feb. 26.
Kovar, John H., J. F. Schimek, Holden, Mass., and A. Cavedon, Woonsocket, R. I., assignors to Casblke Machine Company, Worcester, Mass. Condensing apparatus for carding machines. Re15,778; Feb. 26.
Krause, Adolf, Cannstatt, Germany, assignor, by mesne assignments, to American Bosch Magneto Corporation, New York, N. Y. Electric contact device. 1,485,191; Feb. 26.
Krautwald, Rudolph A. (See Stoddard, K. F., and Krautwald.)
Kriegsheim, Heinrich, assignor to The Permutit Company, New York, N. Y. Regenerating spent zeolites. 1,485,324; Feb. 26.
Kubach, William L., Cleveland, Ohio, assignor to General Electric Company. Electric switch. 1,485,192; Feb. 26.
Kuebler, Christian G., assignor to Cinderella Heel Corporation, St. Louis, Mo. Cutting machine. 1,485,276; Feb. 26.
Kusniewski, Peter, Milwaukee, Wis. Curtain holder. 1,485,117; Feb. 26.
Labens, Edward, Humphrey, Nebr. Fencepost. 1,484,834; Feb. 26.
Lackey, Abraham, Rialto, Calif. Shipping or packing box. 1,484,789; Feb. 26.
Lafortune, Henry F., Biddeford, Me. Spring-winding device. 1,484,790; Feb. 26.
L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Claude, Georges, assignor.)
Lake Torpedo Boat Company, The. (See Hoffman, Howard H., assignor.)
Lambertville Rubber Company. (See McDonald, Francis A., assignor.)
Lamuth, Joseph P., Casper, Wyo. Dirigible headlight. 1,485,277; Feb. 26.
Lancia, Vincenzo, Turin, Italy. Change-speed gear. 1,485,278; Feb. 26.
Landis, Earl S., Monroe, Ind. Sideboard bracket. 1,485,279; Feb. 26.
Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Adjustment for woodworking machines. 1,484,835; Feb. 26.
Larsson, Thure, assignor to Norton Company, Worcester, Mass. Muffle tunnel kiln. 1,485,118; Feb. 26.
Larsslere, Charles F., assignor of one-half to B. D. Gardner, Flint, Mich. Razor-blade-stropping handle. 1,484,657; Feb. 26.
Lauren, John W., Chicago, Ill., assignor to Simplex Ignition Corporation. Ignition system. 1,484,658; Feb. 26.
La Vigne, Jerome R., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. 1,485,119; Feb. 26.
Lawson, Lindley S., Pittsburgh, Pa. Gas stove. Des. 64,069; Feb. 26.
Lawson, Philip H., Portland, Oreg. Machine for conveying and sealing containers. 1,484,722; Feb. 26.
Lear, George B., Shreveport, La. Oil burner. 1,484,993; Feb. 26.
Lee, Hugh W., and J. W. Swindale, assignors to Sir W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Hobt especially suitable for raising projectiles on board ship. 1,484,659; Feb. 26.
Leeper, Robert B., Denver, Colo., dedicated, by mesne assignments, to the Citizens of the United States of America. Means for removing hair and scurf from hog carcasses. 1,484,836; Feb. 26.
Leftwich, William P., and D. S. Stout, Nallen, W. Va. Gear-shifting mechanism. 1,485,231; Feb. 26.
Leggo, Arthur V., Melbourne, Victoria, Australia. Roasting furnace. 1,484,791; Feb. 26.
Lehman, Christian S., Lawn, Pa. Collapsible crate. 1,485,084; Feb. 26.
Lehman, Werner. (See Monahan, F. J., Ferris, and Lehman.)
Leonhardt, Gustav, Berlin-Charlottenburg, and W. Gechelellen, Berlin-Schmargendorf, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Cooling means for electric machinery. 1,484,723; Feb. 26.
Lent, Wilmar F., assignor to The Geist Manufacturing Company, New Haven, Conn. Process of and apparatus for spinning. 1,484,724; Feb. 26.
Levine, Max, New York, N. Y. Tray. Des. 64,070; Feb. 26.
Levitt, Samuel, Brooklyn, N. Y., assignor to The Okonite Company, Passaic, N. J. Hose coupling. 1,485,139; Feb. 26.
Lewis, Samuel, New York, N. Y. Dustpan. 1,484,725; Feb. 26.
Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
Lincoln, James F., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc welding. 1,485,120; Feb. 26.
Lion Electric Manufacturing Company. (See Ohm, Albert J. D., assignor.)
Liquid Malted Milk Company. (See Melchior, Claude B., assignor.)
Ljungdahl, Janne F., Stockholm, Sweden. Machine for setting potatoes. 1,484,726; Feb. 26.
Lobdell, Edward J., Onaway, Mich. Shifting steering wheel. 1,484,892; Feb. 26.
Lobdell, Edward J., assignor to The American Wood Rim Company, Onaway, Mich. Steering-wheel-attachment device. 1,484,893; Feb. 26.

Lock Joint Pipe Company. (See Mitchell, John C., assignor.)
Loose Seat Valve Company. (See Wilson, Wylie G., assignor.)
Love, Dana W., Johnson City, Tenn. Combined stopcock and drain valve. 1,484,727; Feb. 26.
Lovelace, Eugene G., assignor of one-fourth to Tom Giancoulis and one-fourth to R. J. Wagger, High Point, N. C. Hedge trimmer. 1,484,792; Feb. 26.
Luminite Corporation, The. (See Sherwin, Jerome M., assignor.)
Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting sheet material. 1,484,728; Feb. 26.
Lundell, Albert E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,484,950; Feb. 26.
Lustig, Joseph, North Milwaukee, Wis. Automobile signal control. 1,484,837; Feb. 26.
Lyda, Arthur W., North Canton, Ohio. Life raft for vessels. 1,485,220; Feb. 26.
Lyon, George A., Philadelphia, Pa. Buffer for motor vehicles. 1,485,037; Feb. 26.
Lyon, George A., Philadelphia, Pa. Vehicle buffer. 1,485,038; Feb. 26.
Lyon, George A., Philadelphia, Pa. Resilient vehicle buffer. 1,485,039; Feb. 26.
Lyon, George A., Philadelphia, Pa. Vehicle buffer. 1,485,040; Feb. 26.
Lyon, George A., Philadelphia, Pa. Resilient buffer. 1,485,041; Feb. 26.
Lyon, George A., Philadelphia, Pa. Automobile buffer-attaching device. 1,485,042; Feb. 26.
Lyon, George A., Philadelphia, Pa. Brace-bar automobile buffer. 1,485,043; Feb. 26.
Lyon, George A., Philadelphia, Pa. Vehicle buffer device. 1,485,044; Feb. 26.
Lyon, William E., San Diego, Calif. Chicken brooder. 1,484,894; Feb. 26.
Mabee, Charles R. (See Burt, G. W., and Mabee.)
Mabee Patents Corporation. (See Burt, G. W., and Mabee, assignors.)
Macdonald, Charles H., Montclair, assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J. Packaging machine. 1,485,141; Feb. 26.
MacQuillan, James, Chicago, Ill. Device for cutting vegetables. 1,484,839; Feb. 26.
Maguire, John L., and L. C. Weese, Elkins, W. Va. Tire-retreading core and forming the same. 1,484,994; Feb. 26.
Maillefert, Alice E., administratrix. (See Meyer, O., and Maillefert.)
Maillefert, Paul S. (See Meyer, O., and Maillefert.)
Makela, Toivo. (See Hamlin, J., and Makela.)
Mallory, Harry C., Bellport, N. Y., assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Expansible-collapsible element and producing the same. 1,485,223; Feb. 26.
Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of sponge-rubber articles. 1,484,731; Feb. 26.
Maltby, Julius, and T. H. Miller, assignors to Waterbury Buckle Co., Waterbury, Conn. Garment-fastener button. 1,485,121; Feb. 26.
Mannix, Joseph, Saranac Lake, N. Y. Concrete casket vault. 1,484,896; Feb. 26.
Manshel, Charles, Newark, N. J. Safety paper for tickets or cards. Des. 64,071; Feb. 26.
Marko, Paul M., Brooklyn, N. Y. Radio battery construction. 1,485,282; Feb. 26.
Marsh, Samuel L., Los Angeles, Calif. Interceptor. 1,484,953; Feb. 26.
Martin, Truman J., Allentown, Pa. Engine-starting-gear limiting means. 1,485,085; Feb. 26.
Martinez, Elias, Port Arthur, Tex. Manual bicycle aeroplane. 1,485,335; Feb. 26.
Marx, Frederick P., St. Louis, Mo. Shank stiffener. 1,485,234; Feb. 26.
Maskrey, Arthur J., jr. (See Kane, J. E., and Maskrey.)
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vehicle construction. 1,484,954; Feb. 26.
Mather, George E., Morsemere, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,484,732; Feb. 26.
Mathers, Frank C., Bloomington, Ind. Making fluorine. 1,484,733; Feb. 26.
Mathers, Frank C., Bloomington, Ind., and B. Humiston, Wilmington, Del. Method and apparatus for making fluorine. 1,484,734; Feb. 26.
Mauss, Wilhelm, Johannesburg, South Africa. Centrifugal separator and the like. 1,485,235; Feb. 26.
Maximotor Company, The. (See Turney, Lee L., assignor.)
Maxwell, Andrew, Chicago, Ill. Dustguard. 1,485,283; Feb. 26.
McCain, George L., assignor, by mesne assignments, to H. H. Emmons, Detroit, Mich. Steering mechanism for automobiles. 1,484,729; Feb. 26.
McCain, William B., assignor of one-half to M. N. Peaslee, Blanchard, Wash. Cable jack. 1,485,232; Feb. 26.
McCarthy, James J. (See Kellogg, Daniel P., assignor.)
McClanahan, Cora M., et al. (See Scheibert, Rudolph H., assignor.)
McCormick, Earl A., assignor to Remy Electric Company, Anderson, Ind. Shipping crate. 1,485,140; Feb. 26.
McCormick, John H. (See Crass, George F., assignor.)
McDonald, Francis A., assignor to Lambertville Rubber Company, Lambertville, N. J. Rubber heel for a boot or shoe. Des. 64,072; Feb. 26.
McDonald, William J., Sioux City, Iowa. Fountain pen. 1,484,730; Feb. 26.
McEwen, Alfred, Tarrytown, N. Y. Universal lever coupling. 1,484,660; Feb. 26.
McGowan, William F., Brooklyn, N. Y. Device for hanging pictures. 1,485,281; Feb. 26.
McKay, John A., New York, N. Y., assignor to General Electric Company. Terminal member. 1,485,193; Feb. 26.
McKee, Philip L., Chicago, Ill. Greenhouse gutter. 1,484,838; Feb. 26.
McLaughlin, William T., Boston, Mass. Cushioned heel. 1,485,194; Feb. 26.
McLeroth, Thomas B., Hadley Wood, England. Air tube for pneumatic tires. 1,484,951; Feb. 26.
McMeekin, Bowman M. (See Wheeler, F. R., and McMeekin.)
McMullen, Earle W., assignor to Simmons Company, Kenosha, Wis. Protective packing means for articles having finished surfaces. 1,484,895; Feb. 26.
McSwain, Harry W. (See McSwain, William H. and H. W.)
McSwain, William H., Moundsville, W. Va., and H. W. McSwain, Detroit, Mich. Automatic flow for glass tanks. 1,484,952; Feb. 26.
Mead, William H., Autaugaville, Ala. Hat-form holder. 1,485,086; Feb. 26.
Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
Medén, Elof H., Short Hills, assignor to American Gas-accumulator Company, Elizabeth, N. J. One-way street-traffic signal. 1,484,840; Feb. 26.
Meinhardt, Jacob A., Chicago, Ill. Mop. 1,485,087; Feb. 26.
Melchior, Claude B., Wilmington, Del., assignor to Liquid Malted Milk Company, Cedar Rapids, Iowa. Bottle-capping machine. Re15,777; Feb. 26.
Mendenhall, Austin A., Duluth, Minn. Shock-absorbing wheel for vehicles. 1,484,661; Feb. 26.
Merkel, Arthur W., Atlanta, Ga. Cotton-gin feeder. 1,485,236; Feb. 26.
Messter, Oskar, Berlin, Germany. Optical rectifier for cinematographic apparatus. 1,485,195; Feb. 26.
Meyer, Frank E., Salt Lake City, Utah. Child's vehicle. 1,484,897; Feb. 26.
Meyer, Oscar, Brooklyn, N. Y., and P. S. Maillefert, deceased, New Haven, Conn.; A. E. Maillefert, administratrix. Clothesline clamp. 1,485,045; Feb. 26.
Michel, Thomas R., Sandusky, Ohio, assignor of one-third to B. F. Keech and one-third to F. J. Hinkey. Combined fermenting bung and wire jar holder. 1,485,088; Feb. 26.
Miesen, Walter P. (See Cook, J. R., and Miesen.)
Miller, Guthrie M., assignor to E. R. Squibb and Sons, New York, N. Y. Folder. 1,484,955; Feb. 26.
Miller, Joseph F., Storm Lake, Iowa. Grocery advertising device. 1,484,898; Feb. 26.
Miller, Theodore H. (See Maltby, J., and Miller.)
Miller, Theodore H., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. 1,485,122; Feb. 26.
Millington, William, Grand Rapids, Mich., assignor to The Aeolian Company. Cabinet for phonographs. Des. 64,073; Feb. 26.
Millington, William, Grand Rapids, Mich., assignor to The Aeolian Company. Cabinet for phonographs. Des. 64,074; Feb. 26.
Mitchell, John C., East Orange, assignor to Lock Joint Pipe Company, Ampere, N. J. Process and apparatus for making centrifugal concrete pipes. 1,485,142; Feb. 26.
Mobley, Lewis K., New York, N. Y. Outlet nozzle for atomizing and spraying liquid antiseptics under pressure. 1,485,143; Feb. 26.
Monahan, Frank J., Joliet, Ill.; W. Ferris, Milwaukee, and W. Lehman, assignors to Bucyrus Company, South Milwaukee, Wis. Trench excavator. 1,484,841; Feb. 26.
Mooney, Dermot J. (See Brown, E. E., and Mooney.)
Moore, James W., Moultrieville, S. C. Locked housing for valves. 1,484,793; Feb. 26.
Moore, Nelson S., et al. (See Grouleff, A., and Holmes, assignors.)
Moore, Roswell A., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. 1,485,123; Feb. 26.
Morgan, Guy E., assignor to The Jumbo Specialty Co., Chicago, Ill. Receptacle. 1,485,144; Feb. 26.
Morgan, Mathew B., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt and unit therefor. 1,485,046; Feb. 26.
Morgan & Wright. (See Zimmerman, Spencer Q., assignor.)
Morkrum Company. (See Brady, John B., assignor.)
Morley, Joseph, assignor to H. Sittenfeld (feme sole), San Francisco, Calif. Jack wheel for automobiles. 1,484,899; Feb. 26.
Morrish, Thomas L., San Francisco, Calif. Controller handle. 1,484,956; Feb. 26.
Morrison, Andrew J. (See Gray, B. F., and Morrison.)

Morrison, Edward, W. F. Futrall, and A. Eglinski, Lorain, Ohio. Bracket for supporting window shades, curtains, and overdrapes. 1,485,145; Feb. 26.
Morrison, Hackley, Richmond, Va. Chucking attachment for threading machines. 1,484,662; Feb. 26.
Moser, Edward F., Warsaw, Ind. Yielding strap for suspenders and the like. 1,484,957; Feb. 26.
Moser Manufacturing Company. (See Uber, Dan W., assignor.)
Mosee, Max H., San Francisco, Calif. Extensible clamp. 1,484,794; Feb. 26.
Motor Protection Company. (See Randle, George T., assignor.)
Muehl, William F., assignor to Interstate Refineries Inc., Kansas City, Mo. Apparatus for converting heavy hydrocarbons into lighter hydrocarbons. 1,484,958; Feb. 26.
Mueller, Adolph, trustee. (See Mueller, Philip and R. H., assignors.)
Mueller, Philip and R. H., assignors to A. Mueller, trustee, Decatur, Ill. Service box. 1,485,047; Feb. 26.
Mueller, Robert H. (See Mueller, Philip and R. H.)
Mundell, Roscoe, Robesart, Saskatchewan, Canada. Educational and game cards. 1,485,146; Feb. 26.
Munsell, Alexander E. O., New York, N. Y. Color piano. 1,484,795; Feb. 26.
Murray, Robert L., Bushey Heath, assignor to Telephone Manufacturing Company Limited, London, England. Telephone transmitter. 1,485,196; Feb. 26.
Musselman, Alvin J., Chicago, Ill. Golf target. 1,485,089; Feb. 26.
Mutscheller, Arthur, New York, N. Y., assignor to Wappler Electric Co., Inc. X-ray filter. 1,484,665; Feb. 26.
Mussy, William H., Chicago, Ill. Reserve-fuel device for automobiles. 1,484,900; Feb. 26.
Myers, George F., New York, N. Y. Aircraft. 1,485,340; Feb. 26.
Myers, William A., Riverside, Calif. Pruner's coat. 1,484,959; Feb. 26.
Myres, Magnus J., Daytona, Fla. Stethoscope. 1,485,124; Feb. 26.
Nashua Gummed & Coated Paper Company. (See Nichols, H. E., O'Clair, and Perry, assignors.)
Nashua Gummed & Coated Paper Company. (See O'Clair, Edward J., assignor.)
National Carbon Co. (See Benner, Raymond C., assignor.)
National Carbon Company. (See Wilker, Arthur V., assignor.)
National Gauge & Equipment Company. (See Padesky, John R., assignor.)
National Wood Renovating Company. (See Kinder, Linwood U., assignor.)
Nelson, William B., assignor to Interstate Iron and Steel Company, Chicago, Ill. Cooling bed. 1,484,664; Feb. 26.
Nelson, William B., assignor to Interstate Iron and Steel Company, Chicago, Ill. Cooling bed. 1,484,665; Feb. 26.
Nestle and Anglo-Swiss Condensed Milk Company. (See Huguenin, Gustav, assignor.)
Nichols, Harold E., E. J. O'Clair, and W. L. Perry, assignors to Nashua Gummed & Coated Paper Company, Nashua, N. H. Slitting and rewinding machine. 1,484,842; Feb. 26.
Noll, Charles F., Sistersville, W. Va. Advertising device. 1,484,666; Feb. 26.
Norton, Charles L., Boston, Mass., assignor to Refractories Machinery Manufacturing Company, Pittsburgh, Pa. Making refractory shapes. 1,484,735; Feb. 26.
Norton Company. (See Beth, H. W. H., and Beecher, assignors.)
Norton Company. (See Beth, Hugo W. H., assignor.)
Norton Company. (See Larsson, Thure, assignor.)
Norton Company. (See Styffe, Peter J., assignor.)
Norwood, Joseph. (See Crim, John W., assignor.)
Oakman, Charles P., Cambridge, Mass. Grate bar. 1,484,901; Feb. 26.
O'Brien, Joseph J., Springfield, Mass. Hairpin. 1,485,284; Feb. 26.
O'Clair, Edward J. (See Nichols, H. E., O'Clair, and Perry.)
O'Clair, Edward J., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Slitting and rewinding machine. 1,484,843; Feb. 26.
Odlum, William H., Chicago, Ill. Locking device for steering gears. 1,484,667; Feb. 26.
O'Gorman, John T., New York, N. Y. Sash grip. 1,485,285; Feb. 26.
Ohm, Albert J. D., Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Ring body for lamp fixtures. Des. 64,075; Feb. 26.
Ohm, Albert J. D., Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Ring body for lamp fixtures. Des. 64,076; Feb. 26.
Ohm, Albert J. D., Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Back plate for lamp fixtures. Des. 64,077; Feb. 26.
Ohm, Albert J. D., Astoria, N. Y., assignor to Lion Electric Manufacturing Company, Inc. Back plate for lamp fixtures. Des. 64,078; Feb. 26.
O'Keefe, James L., assignor of one-half to K. Threefoot, Meridian, Miss. Electrical signal-controlling device. 1,485,197; Feb. 26.
Okonite Company, The. (See Levitt, Samuel, assignor.)
Olle, William B., Racine, Wis. Metal bicycle wheel rim. 1,484,844; Feb. 26.
O'Mara, Martin A. (See Benham, G., and O'Mara.)
Ots, Léon. (See Perret, J., and Ots.)
Overholser, William H., Churubusco, Ind. Automobile jack. 1,485,286; Feb. 26.
Pace, Jefferson D., Shreveport, La. Roller core drill. 1,484,995; Feb. 26.
Padesky, John R., assignor to National Gauge & Equipment Company, La Crosse, Wis. Pressure gauge. 1,485,336; Feb. 26.
Page, Fred H., and D. P. Snooks, Kalamazoo, Mich. Auxiliary dirigible headlight or spotlight. 1,485,048; Feb. 26.
Paige, George R., Canton, Mass. Carding-machine condenser. 1,484,902; Feb. 26.
Palmer, Herman D. (See Tarkington, J. A., and Palmer.)
Pardo y Cosio, Manuel, Madrid, Spain. Airship. 1,484,758; Feb. 26.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for assembling matches and the like. 1,485,049; Feb. 26.
Pariseau, Joseph. (See Baker, D. N., and Pariseau.)
Parker, Harry L. (See Tuttle, S. A., and Parker.)
Parker Pen Company, The. (See Tebbel, Lewis M., assignor.)
Parker Rust-Proof Company. (See Green, Matthew, assignor.)
Parodi, Henry, New York, N. Y. Egg poacher. 1,485,237; Feb. 26.
Partlow, Howard W., Utica, N. Y. High-pressure gas governor. 1,484,668; Feb. 26.
Passic, Toney A., Ashland, Wis. Nut lock. 1,485,090; Feb. 26.
Pastore, Vincent, Norwich, Conn. Haircloth fabric. 1,484,669; Feb. 26.
Patrick, Harry E., Evanston, A. J. Peterson, and J. W. Bermes, assignors to Service Station Equipment Company, Chicago, Ill. Portable engine stand. 1,484,736; Feb. 26.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus with movable condensing lens. 1,485,147; Feb. 26.
Pattison, William L., Rosedale, Kans. Grating. 1,484,903; Feb. 26.
Paulus, Oscar E., Harvard, Nebr. Grain-scattering-preventing device for grain binders. 1,484,996; Feb. 26.
Peaslee, Myol N. (See McCain, William B., assignor.)
Peck, Caid H., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary cylinder motor. 1,484,960; Feb. 26.
Peelle, Willis J., Chicago, Ill. Machine for making gaskets and the like. 1,484,961; Feb. 26.
Peer, Charles H., Denville, N. J. Tire-rim tool. 1,484,737; Feb. 26.
Peer, Charles H., Denville, N. J. Tire-rim tool. 1,484,738; Feb. 26.
Peerless Ice Scoring Machine Co. See Tickel, Walter D., assignor.)
Pehrson, Alfred K., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Brake mechanism. 1,485,238; Feb. 26.
Pepper, Earl, Lamkin, Miss. Ribbon case. 1,485,091; Feb. 26.
Permutit Company, The. (See Kriegsheim, Heinrich, assignor.)
Perret, Joseph, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Commutation of direct-current machines. 1,485,287; Feb. 26.
Perret, Joseph, and L. Ots, assignors to Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Alternating-current motor group. 1,485,288; Feb. 26.
Perry, Winthrop L. (See Nichols, H. E., O'Clair, and Perry.)
Peters, Arthur E. (See Ditson, J., and Peters.)
Peterson, Andrew J. (See Patrick, H. E., Peterson, and Bermes.)
Peterson, Charles F., Schenectady, N. Y., assignor to General Electric Company. Electric coil and making same. 1,485,289; Feb. 26.
Petinot, Napoleon, assignor to United States Ferro-Alloys Corporation, New York, N. Y. Manufacturing low-carbon alloy steels. 1,484,670; Feb. 26.
Phenix Cheese Company. (See Hill, Herbert M., assignor.)
Philhower, Austin, Hanover Neck, N. J. Mandrel for paper-making machines. 1,485,290; Feb. 26.
Philippe, Henri R., Paris, France, assignor to F. Coune, Chicago, Ill. Apparatus for the easy clamping of the protecting tubes used in permanent waving of the hair. 1,485,148; Feb. 26.
Phillips, Harry I., assignor to Scovill Manufacturing Company, Waterbury, Conn. Spring catch for vanity boxes. 1,485,050; Feb. 26.
Phillips, John H., Chicago, Ill. Spring hammer. 1,484,845; Feb. 26.
Pilcher, John A., et al. (See Simmons, Alba K., assignor.)
Piles, Glenn P., Ruble, Mo. Level. 1,485,291; Feb. 26.
Pitney, Arthur H., assignor to Postage Meters & Machine Company, Stamford, Conn. Envelope-sealing device for postage meters. 1,485,051; Feb. 26.

Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Pomeroy, Edward S., assignor, by mesne assignments, to Smith and Wesson, Inc., Springfield, Mass. Safety firearm. 1,484,671; Feb. 26.
Pomeroy, James W. (See Todd, W. C., and Pomeroy.)
Popper, Isaac C., assignor to The Theros Company, New York, N. Y. Sterilizer. 1,485,292; Feb. 26.
Porits, Frederick M., assignor to Star Chandelier Company, Inc., New York, N. Y. Chandelier body. Des. 64,079; Feb. 26.
Posner, Jacob D., New York, N. Y. Shoe. Des. 64,080; Feb. 26.
Postage Meters & Machine Company. (See Pitney, Arthur H., assignor.)
Powell, William F. (See Taylor, J. H., and Powell.)
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Impulse transmitter. 1,484,739; Feb. 26.
Power, Charles M., assignor to United States Chain & Forging Co., Pittsburgh, Pa. Cross-chain connecter for antiskid devices. 1,484,672; Feb. 26.
Powers, Samuel P., Wooster, Ohio. Drive-pipe holder. 1,484,904; Feb. 26.
Pressed Steel Car Company. (See Pehrson, Alfred K., assignor.)
Pugh, Morton E., Chicago, Ill. Excavating machine. 1,485,198; Feb. 26.
Pugh, Morton E., Chicago, Ill. Skimmer-scoop excavating machine. 1,485,199; Feb. 26.
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Pyne, (Mrs.) W. H., et al. (See Flowers, David S., assignor.)
Pyne, William, et al. (See Flowers, David S., assignor.)
Rail Joint Company, The. (See Thomson, McLeod, assignor.)
Randle, George T., Sayleaville, assignor to Motor Protection Company, Pawtucket, R. I. Protection for electric motors. 1,484,962; Feb. 26.
Rauchut, Frank J., Philadelphia, Pa. Broom and mop holder. 1,485,092; Feb. 26.
Raudabaugh, Israel F. (See Kemerling, Alexander G., assignor.)
Raynsford, Arthur, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,484,963; Feb. 26.
Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor unloader. 1,484,673; Feb. 26.
Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pilot valve for compressors. 1,484,674; Feb. 26.
Refractories Machinery Manufacturing Company. (See Norton, Charles L., assignor.)
Reineking, Frederick C., assignor of one-half to E. G. Zeleden, Los Angeles, Calif. Piston ring. 1,485,293; Feb. 26.
Remy Electric Company. (See McCormick, Earl A., assignor.)
Renken, Henry, New York, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Attachment for trimming machines. 1,485,140; Feb. 26.
Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Spring catch for vanity boxes. 1,484,682; Feb. 26.
Reynolds, John D. (See Harris, P. V., and Reynolds.)
Reynolds Spring Company. (See Van Hove, Desire H., assignor.)
Rhoads, J. Bergerville, La Jolla, Calif. Illuminating device. 1,484,964; Feb. 26.
Rice, Joseph J., jr., Frackville, Pa. Automobile signal-control switch. 1,485,294; Feb. 26.
Richardson, G. M. (See Daus, William, assignor.)
Richardson, John M., Milwaukee, Wis. Davenport. 1,484,846; Feb. 26.
Riddle, Zala, San Francisco, Calif. Direction signal. 1,485,295; Feb. 26.
Ritter, George, Perth Amboy, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Apparatus for applying granular surfacing materials upon prepared roofing. 1,485,340; Feb. 26.
Ritter, Warren, Brooklyn, N. Y. Tractor phonograph. 1,484,965; Feb. 26.
Rivers, Ara M., administratrix. (See Rivers, C. A., and Stuart.)
Rivers, Charles A., deceased, and F. B. Stuart, El Paso, Tex., A. M. Rivers, administratrix. Extension pedal. 1,484,847; Feb. 26.
Roberts, P. A., Construction Co., The. (See Roberts, P. A., and Bach, assignors.)
Roberts, Preston A., and P. C. Bach, assignors to The P. A. Roberts Construction Co., Inc., Washington, D. C. Garage. 1,485,200; Feb. 26.
Robeson Process Company. (See Hurt, Henry H., assignor.)
Robinson, Frank W., Reading, Pa. Splicing mechanism for circular-knitting machines. 1,485,150; Feb. 26.
Rodger Ballast Car Company. (See Hart, Harry S., assignor.)
Roessel, Louis, Brooklyn, N. Y., A. E. Bellis, Springfield, Mass., and C. S. Collins, Bronx, N. Y., assignors to Bellis Heat Treating Company, New Haven, Conn. Furnace. 1,485,151; Feb. 26.
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., Minneapolis, Minn. Ensilage-harvester attachment. 1,485,201; Feb. 26.
Rosenberg, Heyman, New York, N. Y. Masonry anchorage device. 1,485,202; Feb. 26.
Rosenthal China Corporation, The. (See Fiek, Walter H., assignor.)
Rosenthal, Morris G., Cincinnati, Ohio. Label-affixing sewing machine. 1,484,905; Feb. 26.
Rossiter, Lewis J., Erskineville, New South Wales, Australia. Valve. 1,484,997; Feb. 26.
Rubino, Thomas, Hazleton, Pa. Faucet. 1,484,740; Feb. 26.
Rubinoff, Jacob, New York, N. Y. Combination signal and license-plate holder. 64,081; Feb. 26.
Ruche, Abraham. (See Coopersmith, Rudolph, assignor.)
Russell, Harry G., Battle Creek, Mich. Cut-out metal letter. 1,485,203; Feb. 26.
Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,484,906; Feb. 26.
Saco-Lowell Shops. (See Borovoy, Samuel, assignor.)
Sallac, Harry C., St. Louis, Mo. Direction indicator for automobiles. 1,484,998; Feb. 26.
Salmon, Edward W., jr., assignor to L. Fesenmeier, Baltimore, Md. Wall bracket for cabinets. 1,485,296; Feb. 26.
Sampson, Otis. (See Sampson, Willis G. and O.)
Sampson, Willis G. and O., Hansen, Idaho. Clevis. 1,484,966; Feb. 26.
Sándor, Franz, Erfurt, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany. Typewriting machine. 1,485,297; Feb. 26.
Sandys, Myles T., Rock, England. Barometer. 1,485,152; Feb. 26.
Sargent and Greenleaf, Inc. (See Weber, Eugene R., assignor.)
Saunders, Bertram H., Paterson, N. J. Piling machine. 1,485,053; Feb. 26.
Savage, Edwin H. (See White, R. H., and Savage.)
Savage, Edwin H., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Unit for track belts. 1,485,054; Feb. 26.
Savage, Edwin H., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Unit for track belts. 1,485,055; Feb. 26.
Sawyer, Ralph U. (See Frothingham, D. D., and Sawyer.)
Scheibert, Rudolph H., assignor of one-fourth to C. M. McClanahan, Cincinnati, Ohio, and one-fourth to N. D. Shelton, Covington, Ky. Egg-laying toy. 1,484,796; Feb. 26.
Schelleng, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifying system. 1,484,967; Feb. 26.
Schimek, Joseph F. (See Kovar, J. H., Schimek, and Cavedon.)
Schlafly, Julius H., assignor to The Canton Culvert and Silo Company, Canton, Ohio. Culvert. 1,484,968; Feb. 26.
Schoepfer, Alfred C., Detroit, Mich. Window ventilator. 1,485,125; Feb. 26.
Schönland, William F., jr., Manchester, N. H. Flushing and stuffing sausage casings. 1,484,741; Feb. 26.
Schram, Alexander L., Hillsboro, Ill., assignor to Schram Glass Manufacturing Company, St. Louis, Mo. Method of and apparatus for feeding molten glass into molds. 1,484,907; Feb. 26.
Schram Glass Manufacturing Company. (See Schram, Alexander L., assignor.)
Schreyer, William O., Cincinnati, Ohio. Embalming implement. 1,485,298; Feb. 26.
Schumacher, Henry, Buffalo, N. Y. Applicator. 1,485,126; Feb. 26.
Schuricht, Alfons G., and G. T. Wright, Alton, Ill., assignors, by mesne assignments, to Western Cartridge Company. Cartridge plug or wad. 1,485,337; Feb. 26.
Schurr, Henry, Philadelphia, Pa. Annunciator. 1,484,675; Feb. 26.
Schwarzenbek, Frank X. (See Guittard, F. L., and Carril, assignors.)
Scott, Bernard H., Glendale, Calif. Cement dump. 1,484,969; Feb. 26.
Scott, Martin L., Pecan Gap, Tex. Tire. 1,485,299; Feb. 26.
Scott, Nichols S., Fort Benning, Ga. Spear. 1,485,300; Feb. 26.
Scovill Manufacturing Company. (See Phillips, Harry L., assignor.)
Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)
Sears, Edward, Deer Lodge, Mont. Arcing means for brush holders. 1,485,127; Feb. 26.
Sebastian, Joseph G., Mackey, Ind. Barn-door latch. 1,485,301; Feb. 26.
Seelig, John G., Ripon, Wis., assignor to Barlow & Seelig Mfg. Co. Control mechanism for wash wringers. 1,484,676; Feb. 26.
Service Station Equipment Company. (See Patrick, H. E., Peterson, and Bermes, assignors.)
Severance, Horace W., Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company. Flexible folder. 1,484,677; Feb. 26.
Shakespeare Company. (See Russell, Samuel G., assignor.)

Sharp, George W., Johannesburg, Transvaal, South Africa. Runner or guiding means of mine skips, gages, and other vehicles employed in vertical shafts. 1,485,302; Feb. 26.
Shelton, Nancy D., et al. (See Scheibert, Rudolph H., assignor.)
Shepard, John W., Tucson, Ariz. Razor strop. 1,485,550; Feb. 26.
Sherer, Adolph, Brooklyn, N. Y. Making soup powder from peas, beans, lentils, or the like. 1,484,970; Feb. 26.
Sheridan, James W., New York, N. Y. Wood substitute. 1,485,303; Feb. 26.
Sherman, Grant W. (See Wilson, J. M., and Sherman.)
Sherwin, Jerome M., assignor to The Luminite Corporation, Newark, N. J. Luminous locator or marker. 1,484,742; Feb. 26.
Sherwood, Truman C., assignor of forty-nine one-hundredths to H. R. Van Nordstrand, Danville, Ill. Furnace. 1,484,908; Feb. 26.
Shields, Samuel, Denoya, Okla. Shelf tool. 1,484,848; Feb. 26.
Shoemaker, Samuel B., South Strafford, Vt. Hydraulic brake. 1,485,304; Feb. 26.
Short, Hugh O., Rochester, England. Aeroplane flying machine. 1,485,305; Feb. 26.
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Lenhardt, G., and Gscheidlen, assignors.)
Silverstein, Joseph, Brooklyn, N. Y. Casing for disinfector. Des. 64,082; Feb. 26.
Simmons, Alba K., Roanoke, Va., assignor to B. W. Kadel, Baltimore, Md., and J. A. Pilcher, Roanoke, Va. Railway car. 1,484,971; Feb. 26.
Simmons Company. (See McMullen, Earle W., assignor.)
Simplex Ignition Corporation. (See Lauren, John W., assignor.)
Simpson, Cleveland, assignor of one-half to J. L. Berrier, Winston-Salem, N. C. Photographic-printing machine. 1,484,797; Feb. 26.
Sipple, William F., Hazleton, Pa. Conveyer-chain link. 1,484,972; Feb. 26.
Sittenfeld, Henrietta (feme sole). (See Morley, Joseph, assignor.)
Skrmetti, Paul M., San Pedro, Calif. Floating trawling fish seine. 1,485,338; Feb. 26.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-actuated inlet valve for rock drills. 1,484,678; Feb. 26.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-actuated inlet valve for rock drills. 1,484,679; Feb. 26.
Small, Frank E., Jamaica, N. Y. Piston packing ring. 1,485,128; Feb. 26.
Smith and Wesson, Inc. (See Pomeroy, Edward S., assignor.)
Smith, George E., Oil City, La. Folding coach step. 1,484,910; Feb. 26.
Smith, Hubert E., London, England. Burner for petrol gases and the like. 1,485,129; Feb. 26.
Smith, James R., Mechanicsville, N. Y. Seatless valve. 1,484,798; Feb. 26.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,485,204; Feb. 26.
Smith, John R., Los Angeles, Calif. Elevator stop. 1,484,909; Feb. 26.
Smokador Manufacturing Company, The. (See Fleming, Robert G., assignor.)
Sniegocki, Anthony, Oakland, Calif. Combination shaving brush and soap holder. 1,484,911; Feb. 26.
Snooks, Don P. (See Page, F. H., and Snooks.)
Sotier, Otto F. (See Altman, B., Wooley, and Sotier.)
Sovitzky, Walter, Milwaukee, and C. Duban, Kenosha, Wis. Hair-cutting tool. 1485,130; Feb. 26.
Speer, Arthur B. (See Knox, William J., assignor.)
Speese, Daniel S., Detroit, Mich. Knitting machine. 1,485,056; Feb. 26.
Speirs, Stuart, New York, N. Y. Safety razor. 1,485,093; Feb. 26.
Spillane, Patrick H., Washington, D. C. Smoker's ash tray. Des. 64,083; Feb. 26.
Sprinkle, Lake H., Brooklyn, N. Y. Artificial tooth. 1,485,057; Feb. 26.
Sprinkle, Lake H., Brooklyn, N. Y. Artificial tooth. 1,485,058; Feb. 26.
Squibb, E. R., and Sons. (See Miller, Guthrie M., assignor.)
Squire, Fred, Wellington, Kans. Wire-line spooler. 1,484,799; Feb. 26.
Stack, Emmet G. and J. E., Marshfield, Oreg. Log-bark-peeling machine. 1,484,912; Feb. 26.
Stack, John E. (See Stack, Emmet G. and J. E.)
Stallings, Hiram C., Carrollton, Ga. Security case. 1,485,131; Feb. 26.
Standard Development Company. (See Clough, W. W., and Johns, assignors.)
Star Chandelier Company. (See Poritz, Frederick M., assignor.)
Stark, Jacob J., Brooklyn, N. Y. Dental appliance. 1,484,800; Feb. 26.
Stark, Jacob J., Brooklyn, N. Y. Dental bridgework. 1,485,306; Feb. 26.
Stearns, Frederick B., Worcester, Mass. Making cloth and mechanism therefor. 1,485,059; Feb. 26.
Steckenreiter, John F., Brooklyn, N. Y. Silo construction. 1,485,307; Feb. 26.
Stegeman, Ralph H., Anaheim, Calif. Holding device for sucker rods. 1,485,308; Feb. 26.
Steiner, Charles, Bristow, Okla. Rod coupling. 1,484,999; Feb. 26.
Stevenson, George H., Rye, assignor to Western Electric Company, Incorporated, New York, N. Y. Airplane interphone set. 1,484,973; Feb. 26.
Stevenson, William B. (See Kieffer, E. T., and Stevenson.)
Steward, Charles A., Plano, Ill. Building block. 1,485,309; Feb. 26.
Stewart, George, Brownsville, Pa. Accelerator. 1,484,801; Feb. 26.
Stoddard, Katherine F., and R. A. Krautwald, Chicago, Ill. Sanitary-belt buckle. 1,484,680; Feb. 26.
Stone, Marguerite L., San Francisco, Calif. Doll. Des. 64,084; Feb. 26.
Stoppel, Ernest A., Brooklyn, assignor to Valentine & Company, New York, N. Y. Puzzle. 1,484,849; Feb. 26.
Storey, Norman C., Rockaway, N. J. Vehicle. 1,484,974; Feb. 26.
Stout, Dira S. (See Leftwich, W. P., and Stout.)
Stralucke, Carl H., New York, N. Y. Shuttle-throwing mechanism. 1,485,310; Feb. 26.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Stuart, Francis B. (See Rivers, C. A., and Stuart.)
Stubbs, John O., Hickman, Ky. Decoy duck. 1,484,975; Feb. 26.
Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Apparatus for agitating materials. 1,485,205; Feb. 26.
Styffe, Peter J., assignor to Norton Company, Worcester, Mass. Making abrasive wheels. 1,485,132; Feb. 26.
Summers, Edgar W., deceased, Pittsburgh, Pa.; P. C. Summers, executrix. Railway truck. 1,485,311; Feb. 26.
Summers, Patience C., executrix. (See Summers, Edgar W.)
Surry, Cyril M., Haileyville, Okla. Artificial body member. 1,484,913; Feb. 26.
Sutherland, David E. (See Taylor, Silas P., assignor.)
Svetkoff, Ivan, Clinton, Ind. Shot-hole-clearing tool. 1,484,850; Feb. 26.
Swadba, Henry, Boston, Mass. Merchandise-display stand. Des. 64,085; Feb. 26.
Sweeley, Edward A., Alexandria, Va., assignor to The Wine Railway Appliance Company, Toledo, Ohio. Hatch cover. 1,485,312; Feb. 26.
Swindale, John W. (See Lee, H. W., and Swindale.)
Tamarin, Bernard J., Philadelphia, Pa. Vacuum-cleaner electric-cord take-up. 1,484,681; Feb. 26.
Tangerman, William J., Hammond, Ind. Tank-car construction. 1,484,682; Feb. 26.
Tarkington, Joseph A., and H. D. Palmer, assignors to Kissel Motor Car Company, Hartford, Wis. Oiling system. 1,484,851; Feb. 26.
Taylor, George F., Washington, D. C., dedicated, by mesne assignments, to the Citizens of the United States of America. Thermostat. 1,484,802; Feb. 26.
Taylor, John W., Cleveland, Ohio. Bending machine. 1,485,313; Feb. 26.
Taylor, Joseph H., and W. F. Powell, Rocky Mount, N. C. Ice-loosening device. 1,485,314; Feb. 26.
Taylor, Silas P., Loretto, Tenn., assignor to D. E. Sutherland, Haleyville, Ala. Cultivator. 1,484,803; Feb. 26.
Tebbel, Lewis M., Spokane, Wash., assignor to The Parker Pen Company, Janesville, Wis. Self-filling fountain pen. 1,484,683; Feb. 26.
Tebbutt, John T., Three Rivers, Quebec, Canada. Congress shoe. 1,484,743; Feb. 26.
Telephone Manufacturing Company Limited. (See Murray, Robert L., assignor.)
Terry, Curt L., El Paso, Tex. Signpost. 1,484,804; Feb. 26.
Thatcher, Joseph H. (See Craig, Grover H., assignor.)
Theros Company, The. (See Popper, Isaac C., assignor.)
Thilman, Casmier. (See Coar, E. E., and Thilman.)
Thomas, Horace T., Lansing, Mich. Lock for electric circuits. 1,485,060; Feb. 26.
Thomas, Walter J., assignor of one-fourth to J. A. Wenger, Modesto, Calif. Automatic tire pump. 1,484,914; Feb. 26.
Thompson, Willis M., Chicago, Ill. Can opener. 1,485,094; Feb. 26.
Thomson, McLeod, Chelsea, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail-joint structure. 1,485,315; Feb. 26.
Thorington, Sidney P., Bishop, Calif. Separable rim. 1,484,915; Feb. 26.
Threefoot, Kutchen. (See O'Keefe, James L., assignor.)
Tickel, Walter D., assignor to Peerless Ice Scoring Machine Co., Oklahoma City, Okla. Machine for marking ice. 1,485,316; Feb. 26.
Tiller, David M., Kansas City, Mo. Portable measuring device. 1,485,096; Feb. 26.
Tiller, David M., Broken Arrow, Okla., assignor to The Tiller Manufacturing Company, Kansas City, Mo. Portable measuring device. 1,485,095; Feb. 26.

Tiller Manufacturing Company, The. (See Tiller, David M., assignor.)
Todd, William C., and J. W. Pomeroy, Victoria, British Columbia, Canada. Water sprinkler. 1,484,684; Feb. 26.
Tollackson, Theodore J., assignor of one-half to J. W. Christensen, Westby, Wis. Antiskid device. 1,485,239; Feb. 26.
Triebel, Paul, Jersey City, N. J. Register for coal cars or the like. 1,484,852; Feb. 26.
Tri-State Telephone and Telegraph Company, The. (See Hancock, Dora B., assignor.)
Trost, Henry C., El Paso, Tex. Automatic interlocking attachment for window sashes. Re15,779; Feb. 26.
Trost, Henry C., El Paso, Tex. Automatic interlocking attachment for window sashes. 1,484,685; Feb. 26.
Turner, James A. (See Booty, Stuart B., assignor.)
Turney, Lee L., Muskegon, assignor to The Maximotor Company, Muskegon Heights, Mich. Pump jack. 1,484,744; Feb. 26.
Tuttle, Stanley A., and H. L. Parker, Oakwood, Mich. Windshield wiper for automobiles. 1,485,097; Feb. 26.
Uber, Dan W., Sheffield, assignor to Moser Manufacturing Company, Kane, Pa. Spudding shoe. 1,485,339; Feb. 26.
Underwood Computing Machine Company. (See Waldheim, John, assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Carbide & Carbon Research Laboratories, Inc. (See Benner, R. C., assignor.)
Union Carbide & Carbon Research Laboratories, Inc. (See Benner, R. C., and Heise, assignors.)
Union Carbide and Carbon Research Laboratories, Inc. (See Hambuechen, Carl, assignor.)
Union Carbide & Carbon Research Laboratories, Inc. (See Heise, G. W., and Brokate, assignors.)
Union Carbide & Carbon Research Laboratories, Inc. (See Heise, George W., assignor.)
United Alloy Steel Corporation. (See Caldwell, William L., assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Lund, Thomas, assignor.)
United States Automatic Fire Alarm Company, The. (See Johnson, John M., assignor.)
United States Chain & Forging Co. (See Power, Charles M., assignor.)
United States Ferro-Alloys Corporation. (See Petinot, Napoleon, assignor.)
Universal Optical Corporation. (See Beattey, Earle J. R., assignor.)
Valentine & Company. (See Stoppel, Ernest A., assignor.)
Vance, Walter S., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Hinge. 1,484,686; Feb. 26.
Van Hove, Desire H., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,484,976; Feb. 26.
Van Nordstrand, Hubert R. (See Sherwood, Truman C., assignor.)
Van Patten, John N., et al. (See Fogwell, H. H., and Heiser, assignors.)
Varley Duplex Magnet Company. (See Varley, Richard, assignor.)
Varley, Richard, Englewood, N. J., assignor to Varley Duplex Magnet Company. Automobile alarm system. 1,485,098; Feb. 26.
Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Visor for automobiles. 1,484,687; Feb. 26.
Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
Venon, Jules H., New York, N. Y. Dish or similar article. Des. 64,086; Feb. 26.
Victor Talking Machine Company. (See Kieffer, E. T., and Stevenson, assignors.)
Vincent, James R., Wheaton, Ill. Automatic feeder. 1,484,916; Feb. 26.
Vincent, Robert R., Keota, Iowa. Fodder tie. 1,484,688; Feb. 26.
Visible Gasoline Filter Company. (See Fell, William, assignor.)
Vreeland, Harry H., Springfield, Mass. Kitchen utensil. 1,484,917; Feb. 26.
Wadas, Stanislaw, Philadelphia, Pa. Mechanical stoker furnace grate. 1,485,317; Feb. 26.
Wadsworth, Howard L., Cleveland, Ohio. Apparatus for purifying gases. 1,484,745; Feb. 26.
Wagner, R. J., et al. (See Lovelace, Eugene G., assignor.)
Wahl Company, The. (See Bricken, John, assignor.)
Wahl Company, The. (See Funk, Charles J., assignor.)
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Lead-loading machine. 1,485,099; Feb. 26.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,485,206; Feb. 26.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Computing machine. 1,485,341; Feb. 26.
Walker, John, Barrie, Ontario, Canada. Nut lock. 1,484,689; Feb. 26.
Walker, Percy H., and J. H. Bower, Washington, D. C. Material for and method of cleaning metal surfaces. 1,484,690; Feb. 26.
Wall, William J., Christiansburg, Va. Auxiliary demountable-rim flange. 1,485,100; Feb. 26.
Wangerheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 64,087; Feb. 26.
Wangerheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 64,088; Feb. 26.
Wangerheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 64,089; Feb. 26.
Wangerheim, Edgar A., Chicago, Ill. Lighting fixture. Des. 64,090; Feb. 26.
Wappler Electric Co. (See Mutscheller, Arthur, assignor.)
Warden, Julia P., South Pasadena, Calif. Pneumatic-tire deflator. 1,484,977; Feb. 26.
Warmisham, Arthur, Leicester, England. Projection lens. 1,484,853; Feb. 26.
Warren, La Van, Okmulgee, Okla. Recovering gasoline. 1,484,922; Feb. 26.
Wasson, Robert B., Cranford, N. J. Apparatus and process for registering and assembling packing rings. 1,484,691; Feb. 26.
Waterbury Buckle Co. (See La Vigne, Jerome R., assignor.)
Waterbury Buckle Co. (See Maltby, J., and Miller, assignors.)
Waterbury Buckle Co. (See Miller, Theodore H., assignor.)
Waterbury Buckle Co. (See Moore, Roswell A., assignor.)
Way, William M., Coalinga, Calif. Pliers. 1,485,318; Feb. 26.
Weber, Eugene R., assignor to Sargent and Greenleaf Inc., Rochester, N. Y. Lock. 1,484,692; Feb. 26.
Weese, Lanta C. (See Maguire, J. L., and Weese.)
Wegner, Julius, New York, N. Y. Swing saw. 1,485,101; Feb. 26.
Wegscheider, Fernand A. E., Rouen, France. Burner for fuel oil. 1,484,693; Feb. 26.
Weintraub, Morris, New York, N. Y. Drink-mixing receptacle. Des. 64,091; Feb. 26.
Welch, Walter H., Bristol, assignor to Harvey Frost & Company Limited, London, England. Means for controlling the supply of heat in vulcanizing and other apparatus. 1,485,351; Feb. 26.
Wells, Albert S., Milwauke, Wis. Match receptacle. 1,485,102; Feb. 26.
Wemp, Ernest E., Detroit, Mich. Clutch. 1,485,319; Feb. 26.
Wenger, John A. (See Thomas, Walter J., assignor.)
Wesel, F., Manufacturing Company. (See Renken, Henry, assignor.)
West, Thomas H., Lymm, England. Egg turner. 1,484,694; Feb. 26.
West Virginia Pulp and Paper Company. (See Drewsen, Viggo, assignor.)
Western Cartridge Company. (See Schuricht, A. G., and Wright, assignors.)
Western Electric Company. (See Albert, Walter P., assignor.)
Western Electric Company. (See Andrick, Wallace P., assignor.)
Western Electric Company. (See Arnold, Harold D., assignor.)
Western Electric Company. (See Conway, Roy D., assignor.)
Western Electric Company. (See Cummings, George C., assignor.)
Western Electric Company. (See Edwards, George D., assignor.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Malm, Frank S., assignor.)
Western Electric Company. (See Mather, George E., assignor.)
Western Electric Company. (See Raynsford, Arthur, assignor.)
Western Electric Company. (See Scheileng, John C., assignor.)
Western Electric Company. (See Stevenson, George H., assignor.)
Western Electric Company. (See Wright, Joseph L., assignor.)
Western Wire Products Company. (See Young, Harry M., assignor.)
Westinghouse Electric and Manufacturing Company. (See Eccles, W., and Guy, assignors.)
Westinghouse Electric and Manufacturing Company. (See Guy, H. L., and Eccles, assignors.)
Whalen, James, assignor to O. L. Ford, Omaha, Nebr. Automatic-lighting gas-stove burner. 1,484,805; Feb. 26.
Wheeler, Frank R., New York, N. Y., and B. M. McMeekin, Shelton, Conn., assignors, by mesne assignments, to Central Union Trust Company of New York, trustee, New York, N. Y. Shipping frame for long-pile goods. 1,485,320; Feb. 26.

Wheeler, Frederic L., Berkeley, Calif. Lamp stand for showcases. 1,484,978; Feb. 26.
Whitcomb, Anna L., Los Angeles, Calif. Pendant. Des. 64,094; Feb. 26.
White, Hugh G., Malta Bend, Mo. Manually-controlled guide for cultivators. 1,484,746; Feb. 26.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt and unit therefor. 1,485,103; Feb. 26.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track-laying tractors. 1,485,105; Feb. 26.
White, Rollin H., Cleveland Heights, assignor to The Cleveland Tractor Company, Euclid, Ohio. Transmission-gearing mounting. 1,485,106; Feb. 26.
White, Rollin H., Euclid Heights, and E. H. Savage, Cleveland, assignors to The Cleveland Tractor Company, Euclid, Ohio. Tractor. 1,485,104; Feb. 26.
White, William P., Brooklyn, assignor of Anchor Cap and Closure Corporation, Long Island City, N. Y. Method and apparatus for automatically controlling processing. 1,485,133; Feb. 26.
Whiting & Davis Company. (See Whiting, Charles A., assignor.)
Whiting, Charles A., Franklin, Mass., assignor to Whiting & Davis Company. Making intermeshing links. 1,484,979; Feb. 26.
Wilker, Arthur V., Berea, Ohio, assignor to National Carbon Company, Inc. Electric battery. 1,484,918; Feb. 26.
Wilkie, David. (See Durkin, J. H., and Wilkie.)
Wilkinson, George E., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Device for lapping gauges. 1,485,321; Feb. 26.
Wilkinson, Henry, Oldham, England. Machine for opening and cleaning cotton and other fibrous materials. 1,485,240; Feb. 26.
Williams, Elmer R., Springfield, Mo. Pressure-reducing regulating valve. 1,485,000; Feb. 26.
Williamson, James, assignor to R. Williamson & Company, Chicago, Ill. Lighting-fixture stem. 1,484,747; Feb. 26.
Williamson, Nelson R., Portland, Ind. Tire carrier. 1,485,355; Feb. 26.
Williamson, R., & Company. (See Williamson, James, assignor.)
Wills, Charles M., Atlantic City, N. J. Wearing apparel. 1,485,001; Feb. 26.
Willson, John O., St. Joe, assignor to Helena Unit Hoop-Head Co., Helena, Ark. Combined barrel end and hoop. 1,484,854; Feb. 26.
Wilson, Edwin B., Forest Hills, N. Y. Chair or similar article. Des. 64,092; Feb. 26.
Wilson, John M., and G. W. Sherman, San Diego, Calif. Advertising display stand. Des. 64,093; Feb. 26.
Wilson-Jones Loose Leaf Company. (See Severance, Horace W., assignor.)
Wilson, Wylie G., Jersey City, N. J., assignor to Loose Seat Valve Company. Operating mechanism by gravity. 1,485,002; Feb. 26.
Wine Railway Appliance Company, The. (See Sweeley, Edward A., assignor.)
Winetzky, Schai A., New York, N. Y. Tellurian. 1,485,322; Feb. 26.
Winn, Byron A., Barber, Idaho. Mold. 1,484,855; Feb. 26.
Witten, Arthur P., Akron, Ohio. Manufacturing colored rubber articles. 1,484,919; Feb. 26.
Wolcott, Frank E., Hartford, Conn. Electric heater. 1,485,153; Feb. 26.
Wolf, Edwin E., New York, N. Y. Dress. Des. 64,105; Feb. 26.
Wolf, Edwin E., New York, N. Y. Dress. Des. 64,106; Feb. 26.
Wolfe, Eowin C., Corral, Idaho. Reversible pump oil can. 1,484,920; Feb. 26.
Wolfe, Mathew. (See Apperson, A. G., and Wolfe.)
Wood, Charles E., Baxter Springs, Kans. Sand separator. 1,484,695; Feb. 26.
Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Safety device for clothes wringers. 1,485,323; Feb. 26.
Woodbury, Clifford A., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. High explosive. 1,485,003; Feb. 26.
Woods, Fred M., assignor of one-half to J. B. Hettick, Muskogee, Okla. Neckband. 1,484,921; Feb. 26.
Wooley, Walter L. (See Altman, B. Wooley, and Sotier.)
Wright, Charles F. (See Wright, Jacob P. and C. F.)
Wright, George T. (See Schuricht, A. G., and Wright.)
Wright, Herbert A., Detroit, Mich. Process and apparatus for reducing the temperature of cooling oil. 1,485,134; Feb. 26.
Wright, Jacob P., Barberton, and C. F. Wright, Akron, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Machine for making boxes. 1,485,004; Feb. 26.
Wright, Joseph L., Cleveland, Ohio, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,485,005; Feb. 26.
Wulftange, John A., Hamilton, Ohio. Metal binding. 1,484,696; Feb. 26.
Yamamoto, Tadsoki, Tokyo, Japan. Induction synchronous motor. 1,485,006; Feb. 26.
Yates, Joseph M., assignor to Hancock Manufacturing Company, Charlotte, Mich. Handle for motor-vehicle doors. Des. 64,095; Feb. 26.
Yates, P. B., Machine Company. (See Lane, Franklin L., assignor.)
Yeager, Henry M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator mounting. 1,484,748; Feb. 26.
Yeager, Henry M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator. 1,484,749; Feb. 26.
Yerly, Arthur, Gary, Ind. Rolling window screen. 1,485,324; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Wall plate for lighting fixtures. Des. 64,096; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Wall plate for lighting fixtures. Des. 64,097; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Wall plate for lighting fixtures. Des. 64,098; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Bracket for lighting fixtures. Des. 64,099; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Bracket for lighting fixtures. Des. 64,100; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh, Lamp, Brass & Glass Company, Pittsburgh, Pa. Hanger for lighting fixtures. Des. 64,101; Feb. 26.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Plate for chandelier fixtures. Des. 64,102; Feb. 26.
Young, Addren H., Nashville, Tenn. Coin separator and assorter. 1,484,806; Feb. 26.
Young, Harry M., assignor to Western Wire Products Company, St. Louis, Mo. Wire fabric. 1,484,697; Feb. 26.
Youngstown Pressed Steel Company, The. (See Curtis, Lewis E., assignor.)
Zahn, William A., Pittsburgh, Pa. Building block. 1,485,007; Feb. 26.
Zander, Karl A., Stow, Mass. Portable tool device. 1,484,923; Feb. 26.
Zeigler, Elmer J., Camden, N. J. Water heater. 1,485,107; Feb. 26.
Zeledon, Ralph G. (See Reineking, Frederick C., assignor.)
Zieg, Conrad H., York, Nebr. Furnace. 1,485,325; Feb. 26.
Zillisch, Bernhard F., Watertown, Wis. Clothesline support. 1,484,856; Feb. 26.
Zimmer, George J., Waltham, assignor to Hook & Hastings Company, Kendal Green, Mass. Flute organ pipe. 1,485,008; Feb. 26.
Zimmerman, Spencer Q., Detroit, Mich., assignor to Morgan & Wright. Sectional core-collapsing device. 1,484,924; Feb. 26.
Zollinger, Ernst, Zurich, Switzerland, and A. Grün, Aussig, Czechoslovakia. Producing polyfatty-acid esters. 1,484,826; Feb. 26.
Zottoli, Frank M., Boston, Mass. Turbine wheel. 1,484,980; Feb. 26.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF FEBRUARY, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive wheels, Making. P. J. Styffe. 1,485,132; Feb. 26.
Accelerator. G. Stewart. 1,484,801; Feb. 26.
Advertising device. C. F. Noll. 1,484,666; Feb. 26.
Advertising device, Grocery. J. F. Miller. 1,484,898; Feb. 26.
Aeronautics. H. E. Hawes. 1,484,778; Feb. 26.
Aeroplane. J. C. Johnson. 1,485,269; Feb. 26.
Aeroplane firing machine. H. O. Short. 1,485,305; Feb. 26.
Aeroplane, Manual bicycle. E. Martinez. 1,485,335; Feb. 26.
Agitating materials, Apparatus for. T. J. Sturtevant. 1,485,205; Feb. 26.
Aircraft. G. F. Myers. 1,485,349; Feb. 26.
Aircraft, Metal construction for. E. E. Brown and D. J. Mooney. 1,485,246; Feb. 26.
Airplane interphone set. G. H. Stevenson. 1,484,973; Feb. 26.
Airship. M. Pardo y Cosio. 1,484,758; Feb. 26.
Airways of the human body, Device for the treatment of the affections of the. F. Ernst. 1,485,260; Feb. 26.
Alloy steels, Manufacturing low-carbon. N. Petinot. 1,484,670; Feb. 26.
Ammonium chloride and sodium carbonate employing synthetic ammonia, Simultaneously preparing. G. Claude. 1,484,932; Feb. 26.
Amplifying system. J. C. Schelleng. 1,484,967; Feb. 26.
Amusement device. A. G. Apperson and M. Wolfe. 1,484,752; Feb. 26.
Anchoring device. A. Dinklage. 1,484,817; Feb. 26.
Annunciator. H. Schurr. 1,484,675; Feb. 26.
Antiskid device. T. J. Tollackson. 1,485,239; Feb. 26.
Antiskid devices, Cross-chain connecter for. C. M. Power. 1,484,672; Feb. 26.
Apparel, Wearing. C. M. Wills. 1,485,001; Feb. 26.
Applicator. H. Schumacher. 1,485,126; Feb. 26.
Arches, Apparatus for supporting. J. M. Hiss. 1,484,785; Feb. 26.
Arc shaper, Oscillatory. A. Bonom. 1,485,162; Feb. 26.
Arc welding. J. F. Lincoln. 1,485,120; Feb. 26.
Armoring means. H. F. George. 1,484,639; Feb. 26.
Automobile alarm system. R. Varley. 1,485,098; Feb. 26.
Automobile bumper-attaching device. G. A. Lyon. 1,485,042; Feb. 26.
Automobile bumper, Brace-bar. G. A. Lyon. 1,485,043; Feb 26.
Automobile bumper. W. F. Adams. 1,485,326; Feb. 26.
Automobile inclosure. G. E. Bishop. 1,485,012; Feb. 26.
Automobile jack. W. H. Overholser. 1,485,286; Feb. 26.
Automobile jack wheel. J. Morley. 1,484,899; Feb. 26.
Automobile levers, Slot guard for. C. H. Gaulke. 1,484,824; Feb. 26.
Automobile signal control. J. Lustig. 1,484,837; Feb. 26.
Automobile signal-control switch. J. J. Rice, jr. 1,485,294; Feb. 26.
Automobile steering mechanism. G. L. McCain. 1,484,729; Feb. 26.
Automobile visor. C. H. Veeder. 1,484,687; Feb. 26.
Automobiles, Direction indicator for. H. C. Sallac. 1,484,998; Feb. 26.
Automobiles, Reserve-fuel device for. W. H. Muzzy. 1,484,900; Feb. 26.
Automobiles, Windshield wiper for. S. A. Tuttle and H. L. Parker. 1,485,097; Feb. 26.
Axle, Motor-vehicle. E. Frankland. 1,485,023; Feb. 26.
Backband hook. J. W. Crim. 1,484,986; Feb. 26.
Badge. E. H. Bartelsmeyer. Des. 64,043; Feb. 26.
Badge or similar article. J. R. Cook and W. P. Miesen. Des. 64,049; Feb. 26.
Bag: *See*—
  Bicycle bag.
Ball holder for domestic use, Hollow wool-. J. Blennerhassett. 1,485,327; Feb. 26.
Banjo resonator. A. M. Anderson. 1,485,155; Feb. 26.
Bank-vault safety device. B. F. Gray and A. J. Morrison. 1,484,772; Feb. 26.
Bar: *See*—
  Grate bar.
Barograph. G. de Bothezat and I. I. Eremeeff. 1,484,815; Feb. 26.
Barometer. M. T. Sandys. 1,485,152; Feb. 26.
Barrel end and hoop, Combined. J. O. Willson. 1,484,854; Feb. 26.
Battery: *See*—
  Electric battery.

Bead-clasp base. C. Grunebaum. 1,485,027; Feb. 26.
Belt fastener. D. Hughes. 1,484,828; Feb. 26.
Bending machine. J. W. Taylor. 1,485,313; Feb. 26.
Bicycle bag, Balanced. L. R. Bristol. 1,485,067; Feb. 26.
Binder, Loose-leaf. J. Kahn. 1,485,034; Feb. 26.
Binding, Metal. J. A. Wulftange. 1,484,696; Feb. 26.
Bit: *See*—
  Plane bit.
Block: *See*—
  Building block.
Boiler: *See*—
  Steam boiler.
Boiler cleaner. P. H. Kauffman. 1,484,832; Feb. 26.
Boilers, Draft regulator for steam. A. C. Dole, sr., and A. C. Dole, jr. 1,485,330; Feb. 26.
Bolt-hole cleaner. E. E. Kohoutek. 1,484,721; Feb. 26.
Book covers and the like, Cleaning machine for. H. Erickson. 1,484,766; Feb. 26.
Bottle-capping machine. C. B. Melchior. Re15,777; Feb. 26.
Box: *See*—
  Flour box. Tote box.
  Lunch box. Vanity box.
  Service box.
Box. C. E. Gee. 1,485,221; Feb. 26.
Box support, Curb-. V. E. Beagle. 1,484,699; Feb. 26.
Boxes, Machine for making. J. P. and C. F. Wright. 1,485,004; Feb. 26.
Bracket: *See*—
  Sideboard bracket.
Bracket attachment. S. Ehrich. 1,485,259; Feb. 26.
Brake: *See*—
  Hydraulic brake. Knee brake.
Brake. H. Hawk. 1,484,989; Feb. 26.
Brake mechanism. A. K. Pehrson. 1,485,238; Feb. 26.
Brake shoe. J. J. Karr. 1,484,787; Feb. 26.
Brine-circulating system. F. M. Hill. 1,484,886; Feb. 26.
Brooder, Chicken. W. E. Lyon. 1,484,894; Feb. 26.
Broom and mop holder. F. J. Rauchut. 1,485,092; Feb. 26.
Brush and soap holder, Combination shaving. A. Sniegocki. 1,484,911; Feb. 26.
Brush holders, Arcing means for. E. Sears. 1,485,127; Feb. 26.
Buckle. T. H. Miller. 1,485,122; Feb. 26.
Buckle. R. A. Moore. 1,485,123; Feb. 26.
Buckle. J. R. La Vigne. 1,485,119; Feb. 26.
Buckle, Belt. W. T. Haen. 1,484,884; Feb. 26.
Buckle, Sanitary belt. K. F. Stoddard and R. A. Krautwald. 1,484,880; Feb. 26.
Buffer, Resilient. G. A. Lyon. 1,485,041; Feb. 26.
Bug destroyer. J. B. Eshman and W. G. Johnson. 1,484,703; Feb. 26.
Building block. C. A. Steward. 1,485,309; Feb. 26.
Building block. W. A. Zahn. 1,485,007; Feb. 26.
Building, Convertible. F. J. Keppler. 1,485,035; Feb. 26.
Burner: *See*—
  Oil burner. Stove burner.
  Oil and gas burner.
Button, Cuff. D. N. Baker and J. Pariseau. 1,484,807; Feb. 26.
Cabinets, Wall bracket for. E. W. Salmon, jr. 1,485,296; Feb. 26.
Cable jack. W. B. McCain. 1,485,232; Feb. 26.
Calculating instrument. H. C. Ford. 1,484,823; Feb. 26.
Can: *See*—
  Oil can.
Can-drying apparatus. F. Eberhart and P. W. Fleischer. 1,484,629; Feb. 26.
Can opener. W. M. Thompson. 1,485,094; Feb. 26.
Cant hook. J. V. Hogans. 1,484,990; Feb. 26.
Car construction, Railway-. A. Campbell. 1,485,329; Feb. 26.
Car construction, Tank-. W. J. Tangerman. 1,484,682; Feb. 26.
Car, Railway. E. Eiselt. 1,484,938; Feb. 26.
Car, Railway. A. K. Simmons. 1,484,971; Feb. 26.
Car roof. D. P. Kellogg. 1,484,890; Feb. 26.
Cars, Actuating mechanism for coal dump. J. B. Dodd. 1,484,764; Feb. 26.
Cars or the like, Register for coal. P. Triebel. 1,484,852; Feb. 26.
Carding-machine condenser. G. R. Paige. 1,484,902; Feb. 26.

Carding machines, Condensing apparatus for. J. H. Kovar, J. F. Schimek, and A. Cavedon. Re15,778; Feb. 26.
Carrier: *See*—
  Tire carrier.
Cartridge plug or wad. A. G. Schuricht and G. T. Wright. 1,485,337; Feb. 26.
Case: *See*—
  Ribbon case. Vanity case.
  Securing case.
Cement dump. B. H. Scott. 1,484,969; Feb. 26.
Chair and stepladder, Combined. P. Kobylanski. 1,484,720; Feb. 26.
Chair or similar article. E. B. Wilson. Des. 64,092; Feb. 26.
Chandelier body. F. M. Poritz. Des. 64,079; Feb. 26.
Chandelier-fixture plate. F. Yokel. Des. 64,102; Feb. 26.
Chimes. J. B. Kohler. 1,484,655; Feb. 26.
Chimney. F. F. Beeby. 1,484,862; Feb. 26.
Cigar holder. J. Herks. 1,485,267; Feb. 26.
Cigar lighter. G. Benham and M. A. O'Mara. 1,485,342; Feb. 26.
Cigarette holder and smoking tube, Combination. R. G. Fleming. 1,485,345; Feb. 26.
Cigarettes discharged from cigarette-making machines, Device for aligning. E. Koerner. 1,485,230; Feb. 26.
Cinematographic apparatus, Optical rectifier for. O. Messter. 1,485,195; Feb. 26.
Circuit breaker. C. F. Holmes. 1,484,645; Feb. 26.
Circuit-controlling device, Thermostatic. J. H. Derby. 1,484,816; Feb. 26.
Circuits, Public-address. H. S. Hamilton. 1,484,988; Feb. 26.
Clamp: *See*—
  Clothesline clamp. Extensible clamp.
Clamp. A. L. Cochrane. 1,485,167; Feb. 26.
Cleaner: *See*—
  Boiler cleaner. Spark-plug cleaner.
  Bolt-hole cleaner. Suction cleaner.
Cleaner electric-cord take-up, Vacuum-. B. J. Tamarin. 1,484,681; Feb. 26.
Cleaning metal surfaces, Material for and method of. P. H. Walker and J. H. Bower. 1,484,690; Feb. 26.
Clevis. W. G. and O. Sampson. 1,484,966; Feb. 26.
Clip: *See*—
  Lath-attaching clip.
Cloth and mechanism therefor, Making. F. B. Stearns. 1,485,059; Feb. 26.
Clothesline clamp. O. Meyer and P. S. Maillefert. 1,485,045; Feb. 26.
Clothesline support. B. F. Zilisch. 1,484,856; Feb. 26.
Clutch. E. E. Wemp. 1,485,319; Feb. 26.
Clutch-pedal holder or retainer. W. G. Haehl. 1,485,182; Feb. 26.
Coach step, Folding. G. E. Smith. 1,484,910; Feb. 26.
Coat, Pruner's. W. A. Myers. 1,484,959; Feb. 26.
Coating fabrics, Machine for and method of. D. D. Frothingham and R. U. Sawyer. 1,484,705; Feb. 26.
Coating objects, Apparatus for. F. F. Bradley. 1,484,867; Feb. 26.
Coin counting and packeting machine. C. L. Burdick. 1,484,870; Feb. 26.
Coin-delivery machine. R. and J. W. Cairns. 1,484,872; Feb. 26.
Coin separator and assorter. A. H. Young. 1,484,806; Feb. 26.
Compressor. D. F. Fesler. 1,485,022; Feb. 26.
Compressor unloader. S. B. Redfield. 1,484,873; Feb. 26.
Computing machine. J. Waldheim. 1,485,341; Feb. 26.
Concrete construction, Form for. G. A. Bonelli. 1,484,865; Feb. 26.
Confections, Making. F. L. Guittard and A. L. Carril. 1,485,715; Feb. 26.
Containers, Machine for conveying and sealing. P. H. Lawson. 1,484,722; Feb. 26.
Containers, Manufacturing. J. M. Ahlgren. 1,485,061; Feb. 26.
Controller handle. T. I. Morrish. 1,484,956; Feb. 26.
Conveyer-chain link. W. F. Sipple. 1,484,972; Feb. 26.
Cooker for canned material. F. D. Chapman. 1,484,756; Feb. 26.
Cooling bed. J. R. Klump. 1,484,717; Feb. 26.
Cooling bed. W. B. Nelson. 1,484,664–5; Feb. 26.
Cord connection, Extension-. E. E. Coar and C. Thilman. 1,485,215; Feb. 26.
Core-collapsing device, Sectional. S. Q. Zimmerman. 1,484,924; Feb. 26.
Core drill, Boller. J. D. Pace. 1,484,995; Feb. 26.
Cotton and other fibrous materials, Machines for opening and cleaning. H. Wilkinson. 1,485,240; Feb. 26.
Cotton-gin feeder. A. W. Merkel. 1,485,236; Feb. 26.
Coupling: *See*—
  Hose coupling. Rod coupling.
  Lever coupling.
Cowl light. A. R. Gross. 1,485,074; Feb. 26.
Crank-arm lock. A. R. Clas. 1,484,875; Feb. 26.
Crate, Collapsible. C. S. Lehman. 1,485,084; Feb. 26.
Crate, Folding. E. A. Kamerer. 1,484,651; Feb. 26.
Crate, Shipping. E. A. McCormick. 1,485,140; Feb. 26.
Cuff link. F. Keller. 1,484,788; Feb. 26.
Cultivator. S. P. Taylor. 1,484,803; Feb. 26.
Cultivators, Manually-controlled guide for. H. G. White. 1,484,746; Feb. 26.
Cultivators, Transporting device for disk. J. C. Claus. 1,484,622; Feb. 26.
Culvert. J. H. Schlafly. 1,484,968; Feb. 26.
Cup: *See*—
  Grease cup.
Current machines, Commutation of direct-. J. Perret. 1,485,287; Feb. 26.
Current, Means for flattening the current waves of pulsating direct. C. A. A. Haighton. 1,485,076; Feb. 26.
Current motor group, Alternating-. J. Perret and L. Ots. 1,485,288; Feb. 26.
Curtain holder. P. Kuzniewski. 1,485,117; Feb. 26.
Curtain ring. A. Keller. 1,484,652; Feb. 26.
Curtain stretchers, Clamp for. A. J. Brosey. 1,485,015; Feb. 26.
Cutting machine. C. G. Kuebler. 1,485,276; Feb. 26.
Cylinder lock, Drillproof. N. B. Hurd. 1,484,830–1; Feb. 26.
Cylinder motor, Rotary. C. H. Peck. 1,484,960; Feb. 26.
Davenport. J. M. Richardson. 1,484,846; Feb. 26.
Dental appliance. J. J. Stark. 1,484,800; Feb. 26.
Dental bridgework. J. J. Stark. 1,485,306; Feb. 26.
Deodorizing and preserving. H. H. Hurt. 1,485,333; Feb. 26.
Depolarizing composition. C. Hambuechen. 1,484,885; Feb. 26.
Depolarizing mass and making same, Permeable. G. W. Heise and C. W. Brokate. 1,484,780; Feb. 26.
Depolarizing mixture and preparing same. G. W. Heise. 1,484,782; Feb. 26.
Diaphragm. H. L. Duncan. 1,484,821; Feb. 26.
Diaphragm, Acoustic. H. L. Duncan. 1,484,820; Feb. 26.
Dipper. C. Kleintop. 1,485,273; Feb. 26.
Direction signal. Z. Riddle. 1,485,295; Feb. 26.
Dish or similar article. J. H. Venon. Des. 64,086; Feb. 26.
Disinfector casing. J. Silverstein. Des. 64,082; Feb. 26.
Disintegrator and feeder. A. Farner. 1,485,072; Feb. 26.
Display stand, Advertising. J. M. Wilson and G. W. Sherman. Des. 64,093; Feb. 26.
Display stand, Merchandise-. H. Swadba. Des. 64,085; Feb. 26.
Distribution system. H. D. Arnold. 1,485,156; Feb. 26.
Divan, couch, and the like. R. Coopersmith. 1,484,626; Feb. 26.
Doll. M. Browne. Des. 64,047; Feb. 26.
Doll. F. S. Heggelund. Des. 64,067; Feb. 26.
Doll. M. L. Stone. Des. 64,084; Feb. 26.
Doll, Talking. C. A. Hunter. 1,485,137; Feb. 26.
Door latch, Barn-. J. G. Sebastian. 1,485,301; Feb. 26.
Door-operating mechanism. H. S. Hart. 1,485,185; Feb. 26.
Door-securing mechanism. E. E. Gage. 1,485,024; Feb. 26.
Door structure, Grain-. C. H. Foss. 1,484,634; Feb. 26.
Door threshold, Stormproof. R. Altman, W. L. Wooley, and O. F. Sotier. 1,485,208; Feb. 26.
Doors, Striker plate for. A. B. Ellery. 1,485,174; Feb. 26.
Dress. E. E. Wolf. Des. 64,105–6; Feb. 26.
Drill: *See*—
  Core drill.
Drilling machine. C. B. Cargile. 1,484,809; Feb. 26.
Drink-mixing receptacle. M. Weintraub. Des. 64,091; Feb. 26.
Drumstick. W. J. Hassenpflug. 1,484,777; Feb. 26.
Dry cell. R. C. Benner. 1,484,926; Feb. 26.
Dry cell and reducing gaseous pressure therein. G. W. Heise. 1,484,779; Feb. 26.
Duck, Decoy. J. O. Stubbs. 1,484,975; Feb. 26.
Dustguard. A. Maxwell. 1,485,283; Feb. 26.
Dustpan. S. Lewis. 1,484,725; Feb. 26.
Educational and game cards. R. Mundell. 1,485,146; Feb. 26.
Educational device. M. M. Guhin. 1,484,883; Feb. 26.
Educational device. T. C. Kite. 1,485,190; Feb. 26.
Egg poacher. H. Parodi. 1,485,237; Feb. 26.
Egg turner. T. H. West. 1,484,694; Feb. 26.
Electric battery. A. V. Wilker. 1,484,918; Feb. 26.
Electric cell and preparing depolarizer therefor, Primary. G. W. Heise and C. W. Brokate. 1,484,781; Feb. 26.
Electric circuits, Lock for. H. T. Thomas. 1,485,060; Feb. 26.
Electric coil and making the same. C. F. Peterson. 1,485,289; Feb. 26.
Electric contact device. A. Krauss. 1,485,191; Feb. 26.
Electric discharge apparatus. W. D. Coolidge. 1,485,352; Feb. 26.
Electric heater. F. E. Wolcott. 1,485,153; Feb. 26.
Electric-machinery cooling means. G. Lenhardt and W. Gscheidlen. 1,484,723; Feb. 26.
Electric regulation. E. J. Blake. 1,484,620; Feb. 26.
Electric switch. I. Berenson. 1,485,210; Feb. 26.
Electric switch. W. L. Kubach. 1,485,192; Feb. 26.
Electrode and support for active materials, Storage-cell. R. C. Benner. 1,484,928; Feb. 26.
Electrode, Coated primary-cell. G. W. Heise and C. W. Brokate. 1,484,783; Feb. 26.
Electrogalvanizing apparatus. F. Kirschner. 1,484,653; Feb. 26.
Electrolyte and compositions therefor, Making gelatinous alkaline. G. W. Heise. 1,484,784; Feb. 26.
Elevator stop. J. R. Smith. 1,484,909; Feb. 26.

Embalming implement. W. O. Schroyer. 1,485,298; Feb. 26.
Engine. A. J. Culp. 1,485,218; Feb. 26.
Engine stand, Portable. H. E. Patrick, A. J. Peterson, and J. W. Barmes. 1,484,736; Feb. 26.
Engine-starting gear limiting means. T. J. Martin. 1,485,085; Feb. 26.
Engines, Charge forming and controlling mechanism for internal-combustion. G. W. Bartlett. 1,484,808; Feb. 26.
Engines, Preheating piston for internal-combustion. C. Altenburger. 1,485,009; Feb. 26.
Envelope-making machines, Gum-box drive mechanism for. A. E. Augustine. 1,484,753; Feb. 26.
Envelope-sealing device for postage meters. A. H. Pitney. 1,485,021; Feb. 26.
Eraser for blackboards. L. U. Kinder. 1,485,081; Feb. 26.
Esters, Producing polyfatty-acid. E. Zollinger and A. Grün. 1,484,626; Feb. 26.
Excavating machine. M. E. Pugh. 1,485,198; Feb. 26.
Excavating machine, Skimmer-scoop. M. E. Pugh. 1,485,199; Feb. 26.
Expansible-collapsible element and producing the same. H. C. Mallory. 1,485,233; Feb. 26.
Explosive, High. C. A. Woodbury. 1,485,003; Feb. 26.
Extensible clamp. M. H. Moses. 1,484,794; Feb. 26.
Extractor: *See*—
  Milk extractor.
Fabric: *See*—
  Haircloth fabric. Wire fabric.
Fan. J. Aronoff. 1,485,241; Feb. 26.
Faucet. T. Rubino. 1,484,740; Feb. 26.
Feeder, Automatic. J. R. Vincent. 1,484,916; Feb. 26.
Fencepost. C. M. Kitselman and O. L. Barber. 1,484,949; Feb. 26.
Fencepost. E. Labenz. 1,484,834; Feb. 26.
Fermenting bung and wire jar holder, Combined. T. R. Michel. 1,485,088; Feb. 26.
Filling devices, Space indicator for. S. Crystal. 1,485,169; Feb. 26.
Film-printing machines, Film-actuating device for positive-. A. L. V. C. Debrie. 1,484,701; Feb. 26.
Filter, Gasoline. W. Feil. 1,484,767; Feb. 26.
Finger prints, Taking. F. D. Boyd. 1,485,245; Feb. 26.
Firearm, Safety. E. S. Pomeroy. 1,484,671; Feb. 26.
Firearms, Flinch indicator for. D. B. Howard. 1,484,647; Feb. 26.
Fire screen. H. B. Hopson. 1,484,646; Feb. 26.
Fishing reel. S. G. Russell. 1,484,906; Feb. 26.
Flatiron, Electric. A. Grouleff and H. A. Holmes. 1,484,773; Feb. 26.
Floor construction, Flat-arch. E. V. Johnson. 1,484,649; Feb. 26.
Floor crane. W. R. Beatty. 1,485,011; Feb. 26.
Flour box. H. E. Janes. 1,485,032; Feb. 26.
Fluids under pressure, Fluid-tight joint for pipes for. L. L. B. Denis. 1,485,252; Feb. 26.
Fluorine, Making. F. C. Mathers. 1,484,733; Feb. 26.
Fluorine, Method and apparatus for making. F. C. Mathers. 1,484,734; Feb. 26.
Flying machine. F. Braun. 1,485,163; Feb. 26.
Flying machine, Helicopter. E. N. Fales. 1,484,632; Feb. 26.
Fodder tie. R. B. Vincent. 1,484,688; Feb. 26.
Folder. G. M. Miller. 1,484,955; Feb. 26.
Folder, Flexible. H. W. Severance. 1,484,677; Feb. 26.
Folding stand, Adjustable. E. W. Borger. 1,485,244; Feb. 26.
Food-preservation apparatus. G. Frerichs. 1,484,704; Feb. 26.
Foodstuffs, Utensil for the treatment of. E. S. Devlin. 1,485,253; Feb. 26.
Frame support. W. Eccles and H. L. Guy. 1,484,936; Feb. 26.
Framer. G. Holub. 1,484,710; Feb. 26.
Friction material. O. D. Gray. 1,485,180; Feb. 26.
Fruit juices, Clarifying. A. Gusmer. Re15,776; Feb. 26.
Furnace: *See*—
  Roasting furnace.
Furnace. T. C. Sherwood. 1,484,908; Feb. 26.
Furnace. C. H. Zieg. 1,485,325; Feb. 26.
Furnace. L. Roessel, A. E. Bellis, and C. S. Collins. 1,485,151; Feb. 26.
Furniture, Convertible. C. Eckenwalder. 1,484,630; Feb. 26.
Fuse, Renewable electric. T. Berger. 1,485,211; Feb. 26.
Gambrel. W. A. Blake. 1,485,161; Feb. 26.
Garage. P. A. Roberts and P. C. Bach. 1,485,200; Feb. 26.
Garment-fastening button. J. Maltby and T. H. Miller. 1,485,121; Feb. 26.
Gas governor, High-pressure. H. W. Partlow. 1,484,668; Feb. 26.
Gas vaporizer. H. A. Church. 1,485,112; Feb. 26.
Gases and the like, Burner for petrol. H. E. Smith. 1,485,129; Feb. 26.
Gases, Apparatus for purifying. H. L. Wadsworth. 1,484,745; Feb. 26.
Gaskets and the like, Machine for making. W. J. Peelle. 1,484,961; Feb. 26.
Gasoline, Recovering. L. Warren. 1,484,922; Feb. 26.
Gasoline tanks, Attachment for. L. P. Crose. 1,485,250; Feb. 26.
Gauge: *See*—
  Pressure gauge.
Gauge. E. H. Aldeborgh. 1,485,154; Feb. 26.
Gauges, Device for lapping. G. E. Wilkinson. 1,485,321; Feb. 26.
Gear. R. D. Babson. 1,485,158; Feb. 26.
Gear casing. H. L. Guy and W. Eccles. 1,484,942; Feb. 26.
Gear, Change-speed. V. Lancia. 1,485,278; Feb. 26.
Gear-shifting mechanism. W. P. Leftwich and D. S. Stout. 1,485,231; Feb. 26.
Gearing, Lubricating system for. C. W. Francis. 1,484,635; Feb. 26.
Gearing mounting, Transmission-. R. H. White. 1,485,106; Feb. 26.
Glass into molds, Method of and apparatus for feeding molten. A. L. Schram. 1,484,907; Feb. 26.
Glass tanks, Automatic flow for. W. H. and H. W. McSwain. 1,484,952; Feb. 26.
Goblet or similar article. J. O. Balda. Des. 64,040; Feb. 26.
Golf-bag support. F. W. De Blieux. 1,485,113; Feb. 26.
Golf club. H. J. Kinsman. 1,485,272; Feb. 26.
Golf target. A. J. Musselman. 1,485,089; Feb. 26.
Goods or merchandise, Box or container for use in the conveyance or transport of. G. Huguenin. 1,484,829; Feb. 26.
Grain binders, Grain-scattering-preventing device for. O. E. Paulus. 1,484,996; Feb. 26.
Grain saver. P. Klein. 1,484,891; Feb. 26.
Grate bar. C. P. Oakman. 1,484,901; Feb. 26.
Grate, Mechanical stoker furnace. S. Wadas. 1,485,317; Feb. 26.
Grating. W. L. Pattison. 1,484,903; Feb. 26.
Gravity, Operating mechanism by. W. G. Wilson. 1,485,002; Feb. 26.
Grease cup. O. E. Barthel. 1,484,925; Feb. 26.
Greenhouse gutter. P. L. McKee. 1,484,838; Feb. 26.
Grinding machine. J. F. Flaherty. 1,484,878; Feb. 26.
Hair, Apparatus for the easy clamping of the protecting tubes used in permanent waving of the. H. R. Philippe. 1,485,148; Feb. 26.
Haircloth fabric. V. Pastore. 1,484,660; Feb. 26.
Hair-cutting tool. W. Sovitzky and C. Duban. 1,485,130; Feb. 26.
Hairpin. J. J. O'Brien. 1,485,284; Feb. 26.
Hammer, Spring. J. H. Phillips. 1,484,845; Feb. 26.
Hammers, Tool holder for pneumatic. J. E. Ash and J. M. Crowe. 1,485,010; Feb. 26.
Handle: *See*—
  Controller handle. Razor-blade-stropping handle.
Hanger: *See*—
  Picture hanger.
Harvester attachment, Ensilage-. A. G. and A. Ronning. 1,485,201; Feb. 26.
Hatch cover. E. A. Sweeley. 1,485,312; Feb. 26.
Hat-form holder. W. H. Mead. 1,485,086; Feb. 26.
Headlight, Automobile. R. C. Hancock. 1,485,030; Feb. 26.
Headlight, Dirigible. G. L. Horton. 1,485,225; Feb. 26.
Headlight, Dirigible. J. P. Lamuth. 1,485,277; Feb. 26.
Headlight or spotlight, Auxiliary dirigible. F. H. Page and D. P. Snooks. 1,485,048; Feb. 26.
Heater: *See*—
  Electric heater. Water heater.
Heater or like utensil. R. Bartholomew. 1,485,159; Feb. 26.
Hedge trimmer. E. G. Lovelace. 1,484,792; Feb. 26.
Heel, Cushioned. W. T. McLaughlin. 1,485,194; Feb. 26.
Heels, Method of and machine for making. J. B. Hadaway. 1,484,642; Feb. 26.
Hinge. W. N. Vance. 1,484,686; Feb. 26.
Hog carcasses, Means for removing hair and scurf from. R. B. Leeper. 1,484,836; Feb. 26.
Hoist. J. Ditson and A. E. Peters. 1,484,763; Feb. 26.
Hoist especially suitable for raising projectiles on board ship. H. W. Lee and J. W. Swindale. 1,484,659; Feb. 26.
Hook: *See*—
  Backband hook. Cant hook.
Hose coupling. S. Levitt. 1,485,139; Feb. 26.
Hydraulic brake. S. B. Shoemaker. 1,485,304; Feb. 26.
Hydrocarbons and recovering gasoline, Apparatus for cracking. M. H. Kotzebue and L. M. Bowman. 1,485,083; Feb. 26.
Hydrocarbons into lighter hydrocarbons, Apparatus for converting heavy. W. F. Muehl. 1,484,958; Feb. 26.
Ice-cream, milk-chocolate, and confection mixes and the like, Manufacturing. G. W. Burt. 1,485,069; Feb. 26.
Ice-cream scoop. F. C. Kirchhoff. 1,484,716; Feb. 26.
Ice-cream tubs, Wooden vacuum tub for. E. J. Hayes. 1,485,263; Feb. 26.
Ice-loosening device. J. H. Taylor and W. E. Powell. 1,485,314; Feb. 26.
Ice, Machine for marking. W. D. Tickel. 1,485,316; Feb. 26.
Ice manufacture, Combined dumping and refilling means for. G. B. Bright. 1,484,982; Feb. 26.
Ice pick. J. B. Dye. 1,485,257; Feb. 26.
Identification device. G. Hyatt. 1,484,887; Feb. 26.
Ignition apparatus. W. S. Harley. 1,485,353; Feb. 26.
Ignition system. J. W. Lauren. 1,484,658; Feb. 26.
Illuminating device. J. B. Rhoads. 1,484,964; Feb. 26.
Impulse transmitter. W. T. Powell. 1,484,739; Feb. 26.
Indicator: *See*—
  Test indicator.

Induction synchronous motor. T. Yamamoto. 1,485,006; Feb. 26.
Ingot mold and ingot. E. Gathmann. 1,484,940; Feb. 26.
Inkstand. H. M. Dungan. 1,485,255; Feb. 26.
Interceptor. S. L. Marsh. 1,484,953; Feb. 26.
Ironing machine. H. H. Fogwell and C. J. Heiser. 1,484,879; Feb. 26.
Isometric or other mechanical projections, Apparatus for drawing. D. B. Dowling. 1,484,702; Feb. 26.
Jack: *See*—
  Automobile jack. Lifting jack.
  Cable jack. Pumping jack.
Jar cap. I. J. Celona. 1,485,166; Feb. 26.
Joint: *See*—
  Universal joint.
Key label. A. F. Gumaer. 1,485,075; Feb. 26.
Key ring. D. C. Jalbert. 1,484,991; Feb. 26.
Kiln, Muffler tunnel. T. Larsson. 1,485,118; Feb. 26.
Kiln, Tunnel. H. W. H. Beth. 1,485,110; Feb. 26.
Kiln, Tunnel. H. W. H. Beth and M. F. Beecher. 1,485,109; Feb. 26.
Kitchen utensil. H. H. Vreeland. 1,484,917; Feb. 26.
Knee brake. S. Borovoy. 1,484,866; Feb. 26.
Knife, Skinning. R. Blades. 1,484,618; Feb. 26.
Knitting machine. D. S. Speese. 1,485,056; Feb. 26.
Knitting machines, Splicing mechanism for circular-. F. W. Robinson. 1,485,150; Feb. 26.
Label feeder, Automatic. R. H. Fenn. 1,485,344; Feb. 26.
Lamp. H. A. and R. W. Hansen. Des. 64,064; Feb. 26.
Lamp and phonograph stand, Combination. H. A. and R. W. Hansen. Des. 64,065; Feb. 26.
Lamp-fixture back plate. A. J. D. Ohm. Des. 64,077–8; Feb. 26.
Lamp fixtures, Ring body for. A. J. D. Ohm. Des. 64,075–6; Feb. 26.
Lamp for fenders of motor-vehicles, Safety. W. L. Dublin. 1,484,819; Feb. 26.
Lamp stand for showcases. F. L. Wheeler. 1,484,978; Feb. 26.
Lath-attaching clip, Metal-. W. L. Caldwell. 1,484,931; Feb. 26.
Lathe attachment. W. Dzus. 1,485,258; Feb. 26.
Lawn trimmer. W. M. Black. 1,484,755; Feb. 26.
Lead-loading machine. J. C. Wahl. 1,485,099; Feb. 26.
Leather, Machine for use in repairing enameled. F. M. Furber. 1,484,706; Feb. 26.
Lens, Projection. A. Warmisham. 1,484,853; Feb. 26.
Letter, Cut-out metal. H. C. Russell. 1,485,203; Feb. 26.
Level. G. P. Piles. 1,485,291; Feb. 26.
Lever coupling, Universal. A. McEwen. 1,484,660; Feb. 26.
Life raft for vessels. A. W. Lyda. 1,485,280; Feb. 26.
Lifting jack. J. J. Glatt. 1,484,825; Feb. 26.
Lifting jack. L. T. Johnson. 1,485,138; Feb. 26.
Light: *See*—
  Cowl light.
Lighting fixture. E. A. Wangersheim. Des. 64,087–90; Feb. 26.
Lighting-fixture bracket. F. Yokel. Des. 64,099–100; Feb. 26.
Lighting-fixture hanger. F. Yokel. Des. 64,101; Feb. 26.
Lighting-fixture stem. J. Williamson. Des. 1,484,747; Feb. 26.
Lighting fixtures, Wall plate for. F. Yokel. Des. 64,096–8; Feb. 26.
Links, Making intermeshing. C. A. Whiting. 1,484,979; Feb. 26.
Liquid and gas heater, Electric. I. E. Aske. 1,484,616–17; Feb. 26.
Liquids from contaminating the other, Process and means for preventing one of two centrifugally-separated. E. A. Forsberg. 1,485,177; Feb. 26.
Locator or marker, Luminous. J. M. Sherwin. 1,484,742; Feb. 26.
Lock: *See*—
  Crank-arm lock. Nut lock.
  Cylinder lock. Pin-cylinder lock.
Lock. E. R. Weber. 1,484,692; Feb. 26.
Locks, Burglarproof attachment for. A. F. Accetta. 1,485,207; Feb. 26.
Loom temple. H. A. Davis. 1,485,343; Feb. 26.
Loom, Weft-replenishing. R. and G. Crompton, jr. 1,484,812; Feb. 26.
Looms, Shuttle trap or guard for. W. G. Fisher. 1,484,939; Feb. 26.
Lunch box. E. E. Gray. 1,484,882; Feb. 26.
Macaroni and preparing the same. F. Becker. 1,484,863; Feb. 26.
Machine tools and other mechanism, Gib for slides for. F. E. Cardullo and C. T. Hummel. 1,485,016; Feb. 26.
Magneto accelerator. S. B. Booty. 1,485,014; Feb. 26.
Magnets, Charging permanent. E. J. Blake. 1,484,610; Feb. 26.
Marking device. R. Grund. 1,485,181; Feb. 26.
Mask-supporting means. M. Bassan. 1,485,160; Feb. 26.
Masonry anchorage device. H. Rosenberg. 1,485,202; Feb. 26.
Match receptacle. A. S. Wells. 1,485,102; Feb. 26.
Matches and the like, Mechanism for assembling. M. Paridon. 1,485,049; Feb. 26.
Mattresses. Apparatus for filling. H. G. Brandwein. 1,484,869; Feb. 26.
Measuring device, Portable. D. M. Tiller. 1,485,095–6; Feb. 26.
Mechanical movement. W. Klocke and J. E. Dobson. 1,484,654; Feb. 26.
Member, Artificial body. C. M. Surry. 1,484,913; Feb. 26.
Metal, Producing expanded. L. E. Curtis. 1,485,219; Feb. 26.
Metals, Compound for and treating. M. Green. 1,485,025; Feb. 26.
Middlings mill. G. M. Kemp. 1,484,715; Feb. 26.
Milk extractor, Pneumatic. M. R. del Castillo. 1,484,874; Feb. 26.
Mill: *See*—
  Middlings mill.
Mining machine. H. H. Barrows. 1,485,200; Feb. 26.
Mine skips, cages, and other vehicles employed in vertical shafts, Runner or guiding means of. G. W. Sharp. 1,485,302; Feb. 26.
Mold. B. A. Winn. 1,484,855; Feb. 26.
Mop. J. A. Meinhardt. 1,485,087; Feb. 26.
Motor: *See*—
  Cylinder motor.
Motors, Protection for electric. G. T. Randle. 1,484,962; Feb. 26.
Moving bodies, System for controlling. J. H. Hammond, jr. 1,485,183; Feb. 26.
Mower. W. Faethe. 1,484,631; Feb. 26.
Neckband. F. M. Woods. 1,484,921; Feb. 26.
Nest. R. H. Julien. 1,485,229; Feb. 26.
Notching or like press. A. E. Cooper. 1,485,168; Feb. 26.
Nozzle for atomizing and spraying liquid antiseptics under pressure, Outlet. L. K. Mobley. 1,485,143; Feb. 26.
Nut lock. T. A. Passic. 1,485,090; Feb. 26.
Nut lock. J. Walker. 1,484,689; Feb. 26.
Oil and gas burner. L. G. Daniels. 1,484,814; Feb. 26.
Oil burner. W. C. Coleman. 1,484,623; Feb. 26.
Oil burner. G. B. Lenr. 1,484,993; Feb. 26.
Oil burner, Fuel-. F. A. E. Wegscheider. 1,484,693; Feb. 26.
Oil can, Reversible pump. E. C. Wolfe. 1,484,920; Feb. 26.
Oil lines, Choke nipple for. M. J. Heald. 1,485,264; Feb. 26.
Oil, Process and apparatus for reducing the temperature of cooling. H. A. Wright. 1,485,134; Feb. 26.
Oils and gases from oil wells, Apparatus for the recovery and refining of light hydrocarbon. W. J. Knox. 1,484,718; Feb. 26.
Oiling system. J. A. Tarkington and H. D. Palmer. 1,485,857; Feb. 26.
Ophthalmic mounting. E. J. R. Beattey. Des. 64,044; Feb. 26.
Organ pipe, Flute. G. J. Zimmer. 1,485,008; Feb. 26.
Organic compounds and the resulting compositions, Solvent for. W. W. Clough and C. O. Johns. 1,485,071; Feb. 26.
Oven, Baking. E. S. Eaton and W. W. Cummings, jr. 1,485,173; Feb. 26.
Overload protective device. C. J. Axtell. 1,485,157; Feb. 26.
Packaging machine. C. H. Macdonald. 1,485,141; Feb. 26.
Packaging machines, etc., Selecting and delivering mechanism for. A. Y. Hodgdon. 1,485,187; Feb. 26.
Packing means for articles having finished surfaces, Protective. E. W. McMullen. 1,484,895; Feb. 26.
Packing ring, Piston. F. E. Small. 1,485,128; Feb. 26.
Packing rings, Apparatus and process for registering and assembling. R. B. Wasson. 1,484,691; Feb. 26.
Pail, Sand. L. N. Emmets. Des. 64,050; Feb. 26.
Paper for tickets or cards, Safety. C. Manshel. Des. 64,071; Feb. 26.
Paper-making machines, Mandrel for. A. Philhower. 1,485,290; Feb. 26.
Paper, Process and apparatus for manufacturing. J. H. Durkin and D. Wilkie. 1,485,256; Feb. 26.
Partition construction. E. Flagg. 1,485,262; Feb. 26.
Pawl-and-ratchet mechanism. G. F. Crass. 1,485,217; Feb. 26.
Pedal, Extension. C. A. Rivers and F. B. Stuart. 1,484,847; Feb. 26.
Peeling machine, Log-bark-. E. G. and J. E. Stack. 1,484,912; Feb. 26.
Pen, Fountain. W. J. McDonald. 1,484,730; Feb. 26.
Pen, Self-filling fountain. L. M. Tebbel. 1,484,683; Feb. 26.
Pencil. C. J. Funk. 1,485,073; Feb. 26.
Pendant. A. L. Whitcomb. Des. 64,094; Feb. 26.
Phonograph cabinet. W. Millington. Des. 64,073–4; Feb. 26.
Phonograph lamp. H. A. and R. W. Hansen. Des. 64,066; Feb. 26.
Phonograph stop and start device, Automatic. E. H. Bickley. 1,485,065; Feb. 26.
Phonograph, Tractor. W. Ritter. 1,484,965; Feb. 26.
Photograms, Theodolite for making angular determinations direct from. K. R. Hugershoff. 1,485,220; Feb. 26.
Photographic-printing machine. C. Simpson. 1,484,797; Feb. 26.
Piano, Color. A. E. O. Munsell. 1,484,795; Feb. 26.
Piano, Pneumatically-played. W. M. Bauer. 1,485,063; Feb. 26.

Pianos, Cleaning device for player. A. P. Groves. 1,484,774; Feb. 26.
Picture hanger. H. A. Cooper. 1,485,216; Feb. 26.
Picture machines, Film-feeding mechanism for moving-. S. Bardy. 1,484,754; Feb. 26.
Picture-projecting lights, Mounting for. C. F. Jenkins. 1,484,648; Feb. 26.
Pictures, Device for hanging. W. F. McGowan. 1,485,281; Feb. 26.
Piling machine. B. H. Saunders. 1,485,053; Feb. 26.
Pin-cylinder lock. W. T. Coney. 1,484,757; Feb. 26.
Pipe: *See*—
Organ pipe.
Pipe holder, Drive-. S. P. Powers. 1,484,904; Feb. 26.
Pipes, Process and apparatus for making centrifugal concrete. J. C. Mitchell. 1,485,142; Feb. 26.
Pistol and mechanism which can be concealed in any portable object. C. Joriot. 1,484,650; Feb. 26.
Piston. H. J. Hater. 1,485,078; Feb. 26.
Piston ring. F. C. Reineking. 1,485,293; Feb. 26.
Pitcher. F. Carder. Des. 64,048; Feb. 26.
Plane bit. P. Basmaison. 1,484,861; Feb. 26.
Plant product. L. Koropp and V. F. Bergman. 1,484,656; Feb. 26.
Plastic materials, Feed hopper for. H. M. Hill. 1,484,945; Feb. 26.
Plate or similar article. W. H. Fiek. Des. 64,052; Feb. 26.
Plate or similar article. D. B. Hancock. Des. 64,063; Feb. 26.
Plate or similar article, Sandwich. J. W. Farrell. Des. 64,051; Feb. 26.
Pliers. W. M. Way. 1,485,318; Feb. 26.
Plug receptacle. A. L. R. Ellis. 1,485,175; Feb. 26.
Portable table. P. Alexander. 1,484,858; Feb. 26.
Potatoes, Machine for setting. J. F. Ljungdahl. 1,484,726; Feb. 26.
Pressure gauge. J. R. Padesky. 1,485,336; Feb. 26.
Processing, Method and apparatus for automatically controlling. W. H. White. 1,485,133; Feb. 26.
Projection apparatus with movable condensing lens. W. L. Patterson. 1,485,147; Feb. 26.
Propeller blade. C. F. Hoffmann. 1,485,079; Feb. 26.
Pump. W. C. Dodd. 1,484,987; Feb. 26.
Pump jack. L. L. Turney. 1,484,744; Feb. 26.
Puzzle. E. A. Stoppel. 1,484,849; Feb. 26.
Racquet press, Tennis-. A. Forbes. Des. 64,103; Feb. 26.
Radiator. H. M. Yeager. 1,484,749; Feb. 26.
Radiator guard. P. V. Harris and J. D. Reynolds. 1,485,184; Feb. 26.
Radiator mounting. H. M. Yeager. 1,484,748; Feb. 26.
Radiator support. J. C. Frank. 1,485,178; Feb. 26.
Radio battery construction. P. M. Marko. 1,485,282; Feb. 26.
Radio telegraph system. J. B. Brady. 1,485,212; Feb. 26.
Radio transmission system. J. Bethenod. 1,485,111; Feb. 26.
Rail-joint structure. M. Thomson. 1,485,315; Feb. 26.
Railway-grade-crossing gate. C. W. Hall. 1,484,943; Feb. 26.
Railway safe-running device. A. R. Angus. 1,485,108; Feb. 26.
Railway safety device. I. L. Edwards. 1,485,331; Feb. 26.
Raising and lowering machine. G. M. French. 1,484,636; Feb. 26.
Razor-blade-stropping handle. C. F. Larzelere. 1,484,857; Feb. 26.
Razor, Safety. H. M. Chance. 1,485,214; Feb. 26.
Razor, Safety. S. Speirs. 1,485,093; Feb. 26.
Razor strop. J. W. Shepard. 1,485,350; Feb. 26.
Receptacle. G. E. Morgan. 1,485,144; Feb. 26.
Receptacle closure. I. J. Celona. 1,485,165; Feb. 26.
Receptacle closure. H. A. House. 1,485,136; Feb. 26.
Record-ejecting device. D. Di Carlo. 1,484,627; Feb. 26.
Reel: *See*—
Fishing reel.
Refractory shapes, Making. C. L. Norton. 1,484,735; Feb. 26.
Regulator. P. W. Dairymple. 1,484,934; Feb. 26.
Relay and circuits therefor. D. K. Gannett. 1,484,707; Feb. 26.
Relay, Sensitive. J. H. Hammond, jr. 1,484,709; Feb. 26.
Ribbon case. E. Pepper. 1,485,091; Feb. 26.
Rim flange, Auxiliary demountable-. W. J. Wall. 1,485,100; Feb. 26.
Rim, Separable. S. P. Thorington. 1,484,915; Feb. 26.
Ring: *See*—
Curtain ring. Packing ring.
Key ring. Piston ring.
Rings, Process and blank for making finger. H. Dinhofer. 1,484,628; Feb. 26.
Road-surfacing machine. C. C. Hansen. 1,484,944; Feb. 26.
Roasting furnace. A. V. Leggo. 1,484,791; Feb. 26.
Rod coupling. C. Steiner. 1,484,999; Feb. 26.
Roofing, Apparatus for applying granular surfacing materials upon prepared. G. Ritter. 1,485,340; Feb. 26.
Roofing machine. H. A. Cumfer. 1,484,760; Feb. 26.
Roofing product. H. A. Cumfer. 1,484,761; Feb. 26.
Rowlock. W. L. C. Koch. 1,484,719; Feb. 26.
Rubber articles, Manufacture of sponge-. F. S. Malm. 1,484,731; Feb. 26.
Rubber articles, Manufacturing colored. A. P. Witten. 1,484,919; Feb. 26.
Rubber heel for a boot or shoe. F. A. McDonald. Des. 64,072; Feb. 26.
Safety signal. A. S. Johnson. 1,484,712; Feb. 26.
Salt and pepper device, Combination. M. C. Gunter. 1,485,028; Feb. 26.
Sand separator. C. E. Wood. 1,484,695; Feb. 26.
Sash grip. J. T. O'Gorman. 1,485,285; Feb. 26.
Sausage casings, Flushing and stuffing. W. F. Schönland, jr. 1,484,741; Feb. 26.
Saw, Compass. E. E. Fearing. 1,485,261; Feb. 26.
Saw set. O. Frisk. 1,485,114; Feb. 26.
Saw, Swing. J. Wegner. 1,485,101; Feb. 26.
Screen: *See*—
Fire screen. Window screen.
Sealing, Method and means for. W. M. Brooks. 1,485,328; Feb. 26.
Security case. H. C. Stallings. 1,485,131; Feb. 26.
Seeds and composition therefor, Disinfecting. M. Engelmann. 1,485,021; Feb. 26.
Seine, Floating trawling fish. P. M. Skrmetti. 1,485,338; Feb. 26.
Separator: *See*—
Sand separator.
Separator and the like, Centrifugal. W. Mauss. 1,485,235; Feb. 26.
Service box. P. and R. H. Mueller. 1,485,047; Feb. 26.
Sewing machine, Label-fixing. M. G. Rosenthal. 1,484,905; Feb. 26.
Sewing machines, Lighting device for. B. Elshoff. 1,484,822; Feb. 26.
Sewing machines, Lighting device for. W. H. Brady. 1,484,868; Feb. 26.
Sewing machines, Lock-stitch mechanism for. J. Cooper. 1,484,624; Feb. 26.
Sewing machines, Tufting-attachment mechanism for. A. J. Carter. 1,485,213; Feb. 26.
Shades, curtains, and overdrapes, Bracket for supporting window. E. Morrison, W. F. Futrall, and A. Eglinski. 1,485,145; Feb. 26.
Shank stiffener. F. P. Marx. 1,485,234; Feb. 26.
Sharpener, Lawn-mower. J. A. Grassman. 1,484,708; Feb. 26.
Sheet material, Cutting. T. Lund. 1,484,728; Feb. 26.
Shelf tool. S. Shields. 1,484,848; Feb. 26.
Shipping cases, Constructing fiber. H. R. Bliss. Re15,775; Feb. 26.
Shipping frame for long-pile goods. F. R. Wheeler and B. M. McMeekin. 1,485,320; Feb. 26.
Shipping or packing box. A. Lackey. 1,484,789; Feb. 26.
Shock absorber. E. S. Aker. 1,484,859; Feb. 26.
Shock absorber. A. G. Kemerling. 1,485,271; Feb. 26.
Shock absorber for vehicles. M. I. Kline. 1,485,274; Feb. 26.
Shock-absorbing wheel for vehicles. A. A. Mendenhall. 1,484,661; Feb. 26.
Shocking machine. J. Birnie, jr. 1,484,700; Feb. 26.
Shoe. E. Kezy. Des. 64,068; Feb. 26.
Shoe. E. Kezy. Des. 64,104; Feb. 26.
Shoe. J. D. Posner. Des. 64,080; Feb. 26.
Shoe, Congress. J. T. Tebbutt. 1,484,743; Feb. 26.
Shotgun rib. J. F. Berger. 1,485,064; Feb. 26.
Shot-hole-clearing tool. I. Svetkoff. 1,484,850; Feb. 26.
Shuttle-throwing mechanism. C. H. Straiucke. 1,485,310; Feb. 26.
Sideboard bracket. E. S. Landis. 1,485,279; Feb. 26.
Sight feed, Centrifugal-force. F. L. Dunann. 1,484,935; Feb. 26.
Sign. J. L. Hewitt. 1,484,644; Feb. 26.
Sign, Advertising. P. V. Hann. 1,485,077; Feb. 26.
Signal: *See*—
Direction signal. Traffic signal.
Safety-signal. Vehicle signal.
Signal and license-plate holder, Combination. J. Rubinoff. Des. 64,081; Feb. 26.
Signal-controlling device, Electrical. J. L. O'Keefe. 1,485,197; Feb. 26.
Signal system. J. M. Johnson. 1,484,713; Feb. 26.
Signpost. C. L. Terry. 1,484,804; Feb. 26.
Sill construction. J. F. Steckenreiter. 1,485,307; Feb. 26.
Silo or tank. O. Brumbaugh. 1,484,984; Feb. 26.
Slitting and rewinding machine. H. E. Nichols, E. J. O'Clair, and W. L. Perry. 1,484,842; Feb. 26.
Slitting and rewinding machine. E. J. O'Clair. 1,484,843; Feb. 26.
Smoker's appliance. R. G. Fleming. 1,485,346; Feb. 26.
Sodium sulphites, Making. V. Drewsen. 1,484,818; Feb. 26.
Sound clarifier. C. W. Johnson. 1,485,348; Feb. 26.
Soup powder from peas, beans, lentils, or the like, Making. A. Sherer. 1,484,970; Feb. 26.
Spark-plug cleaner. C. Jacobs. 1,485,347; Feb. 26.
Spark plug, Diamountable. H. Koerber. 1,485,275; Feb. 26.
Spark-plug tester. B. C. Doppes and H. W. Centner. 1,485,171; Feb. 26.
Spear. N. S. Scott. 1,485,300; Feb. 26.
Spinning, Process of and apparatus for. W. F. Lent. 1,484,724; Feb. 26.
Spokes, Manufacturing. H. Flick. 1,485,176; Feb. 26.
Spool support. J. T. Dowdall. 1,485,020; Feb. 26.

Spoolers, Attachment for. W. E. Ball. 1,485,242; Feb. 26.
Spoon or similar article. E. T. Beck. Des. 64,045–6; Feb. 26.
Spraying apparatus. C. L. Ginty. 1,485,222; Feb. 26.
Spring structure. D. H. Van Hove. 1,484,976; Feb. 26.
Spring-winding device. H. F. Lafortune. 1,484,790; Feb. 26.
Sprinkler: *See*—
Water sprinkler.
Sprinkler, Disappearing lawn. F. H. Johnson. 1,484,888; Feb. 26.
Sprinkling system, Water-. L. M. Fouts. 1,484,768; Feb. 26.
Spudding shoe. D. W. Uber. 1,485,339; Feb. 26.
Stamps or the like, Stock sheet for postage. O. Heend. 1,484,827; Feb. 26.
Stand: *See*—
Engine stand. Folding stand.
Steam boiler. C. Z. and E. S. Alexander. 1,484,857; Feb. 26.
Steering-gear-locking device. W. H. Odlum. 1,484,607; Feb. 26.
Steering-wheel-attaching device. E. J. Lobdell. 1,484,803 Feb. 26.
Steering wheel, Shifting. E. J. Lobdell. 1,484,802; Feb. 26.
Step plate. C. F. Eckler. 1,484,877; Feb. 26.
Sterilizer. I. C. Popper. 1,485,292; Feb. 26.
Stethoscope. M. J. Myres. 1,485,124; Feb. 26.
Stoker. J. S. S. Fulton. 1,484,638; Feb. 26.
Stone surfacing wheel. E. A. Chase. 1,484,810; Feb. 26.
Stopcock and drain valve, Combined. D. W. Love. 1,484,727; Feb. 26.
Storage-battery separator and making the same. R. C. Benner and G. W. Heise. 1,484,927; Feb. 26.
Stove burner, Automatic-lighting gas-. J. Whalen. 1,484,805; Feb. 26.
Stove, Gas. L. S. Lawson. Des. 64,069; Feb. 26.
Sucker rods, Holding device for. R. H. Stegeman. 1,485,308; Feb. 26.
Suction cleaner. E. B. Hoff. 1,485,188; Feb. 26.
Support. D. C. Breninger. 1,484,981; Feb. 26.
Suspenders and the like, Yielding strap for. E. F. Moser. 1,484,957; Feb. 26.
Swab. W. J. Carpenter. 1,485,248; Feb. 26.
Switch: *See*—
Automobile signal-control Electric switch.
switch.
Switch. E. T. Jones. 1,485,080; Feb. 26.
Switching device. G. E. Mather. 1,484,732; Feb. 26.
Swivel, Hydraulic. H. G. Johnston. 1,484,786; Feb. 26.
Swivel socket, Electric. K. Kijima. 1,484,992; Feb. 26.
Syringe, Vaginal. R. I. Bond and F. W. Johnstone. 1,484,621; Feb. 26.
Table: *See*—
Portable table.
Tag holder. A. F. Hanney and A. Gammell. 1,484,776; Feb. 26.
Talking machines, Repeater for. J. J. Dewey. 1,485,019; Feb. 26.
Talking-machine cabinet. E. E. Kieffer and W. B. Stevenson. 1,484,833; Feb. 26.
Tank carburetor. H. Dalton, sr. 1,485,018; Feb. 26.
Tanks and the like, Means for indicating the liquid content of distant. T. Carroll. 1,485,164; Feb. 26.
Target practice with rifles and other firearms, Apparatus for. E. E. Alm. 1,484,750; Feb. 26.
Tea and coffee pot, Combination. J. A. Kaye. 1,484,889; Feb. 26.
Teeth, Means for reenforcing excavator-bucket. E. T. Blake. 1,485,243; Feb. 26.
Telegraph system. G. C. Cummings. 1,484,762; Feb. 26.
Telephone-exchange system. W. P. Andrick. 1,484,751; Feb. 26.
Telephone-exchange system. C. L. Goodrum. 1,484,941; Feb. 26.
Telephone-exchange system. A. E. Lundell. 1,484,950; Feb. 26.
Telephone-exchange system. A. Raynsford. 1,484,963; Feb. 26.
Telephone-exchange system. J. L. Wright. 1,485,005; Feb. 26.
Telephone system. W. P. Albert. 1,484,614; Feb. 26.
Telephone system. R. D. Conway. 1,484,933; Feb. 26.
Telephone system. G. D. Edwards. 1,484,765; Feb. 26.
Telephone system. C. L. Goodrum. 1,484,771; Feb. 26.
Telephone transmitter. R. L. Murray. 1,485,196; Feb. 26.
Tellurian. S. A. Winetsky. 1,485,322; Feb. 26.
Terminal member. J. A. McKay. 1,485,193; Feb. 26.
Test indicator. M. J. Carlson. 1,485,247; Feb. 26.
Textile fabric or similar article. E. I. Golding. Des. 64,053–61; Feb. 26.
Thermostat. G. F. Taylor. 1,484,802; Feb. 26.
Threading-machine chucking attachment. H. Morrison. 1,484,662; Feb. 26.
Ticket issuing and totalizing device. G. A. Julius. 1,484,946; Feb. 26.
Tickets, Machine for printing. J. A. Keller. 1,485,270; Feb. 26.
Tie: *See*—
Fodder tie.
Tile slab, Interlocking. E. W. Burgess. 1,485,068; Feb. 26.
Tin-plate polishing and cleaning machine. J. E. Kane and A. J. Maskrey, jr. 1,485,116; Feb. 26.
Tinning machine, Automatic. J. Bricken. 1,485,066; Feb. 26.
Tire. M. L. Scott. 1,485,299; Feb. 26.
Tire carrier. N. R. Williamson. 1,485,355; Feb. 26.
Tire deflator, Pneumatic-. J. P. Warden. 1,484,977; Feb. 26.
Tire, etc., Cushioned vehicle. H. C. Egerton. 1,484,937; Feb. 26.
Tire pump, Automatic. W. J. Thomas. 1,484,914; Feb. 26.
Tire-retreading core and forming the same. J. L. Maguire and L. C. Weese. 1,484,994; Feb. 26.
Tire-rim tool. C. H. Peer. 1,484,737–8; Feb. 26.
Tire tube. T. J. Cooper. 1,484,625; Feb. 26.
Tires, Air tube for pneumatic. T. B. McLeroth. 1,484,951; Feb. 26.
Tires, Making pneumatic. L. P. Destribats. 1,485,170; Feb. 26.
Tires, Tube for pneumatic. A. E. Henderson. 1,485,265; Feb. 26.
Tool device, Portable. K. A. Zander. 1,484,923; Feb. 26.
Tooth, Artificial. L. H. Sprinkle. 1,485,057–8; Feb. 26.
Torch, Metal-working. A. F. Jenkins. 1,485,033; Feb. 26.
Torpedo-testing apparatus. J. M. Cohen. 1,485,017; Feb. 26.
Tote box. R. J. Burrows. 1,484,871; Feb. 26.
Towels to belts or supports, Means for securing sanitary. H. S. Hennah. 1,485,266; Feb. 26.
Toy. G. A. Haight. 1,484,775; Feb. 26.
Toy, Egg-laying. R. H. Schelbert. 1,484,796; Feb. 26.
Toy pistol. C. L. Bunten. 1,484,930; Feb. 26.
Track belt and unit therefor. M. B. Morgan. 1,485,046; Feb. 26.
Track belt and unit therefor. R. H. White. 1,485,103; Feb. 26.
Track belts, Unit for. E. Gruber. 1,485,026; Feb. 26.
Track belts, Unit for. E. H. Savage. 1,485,054–5; Feb. 26.
Track for gymnasium climbing poles. F. Albach. 1,485,135; Feb. 26.
Tractor. J. C. French. 1,484,637; Feb. 26.
Tractor. R. H. White and E. H. Savage. 1,485,104; Feb. 26.
Tractors, Clutch release for. S. G. Besaury. 1,484,929; Feb. 26.
Tractors, Side frame for track-laying. R. H. White. 1,485,105; Feb. 26.
Traffic signal. J. J. Flannery, jr. 1,484,633; Feb. 26.
Traffic signal, One-way street-. E. H. Medén. 1,484,840; Feb. 26.
Transformers, Means for indicating load conditions of. H. J. Blakeslee. 1,485,013; Feb. 26.
Transmission lines, Automatic circuit-breaker attachment for high-tension. T. F. Johnson, jr. 1,485,227; Feb. 26.
Transmission lines, Cross-arm hook for electric. T. F. Johnson, jr. 1,485,228; Feb. 26.
Tray. M. Levine. Des. 64,070; Feb. 26.
Tray mounting, Ash-. C. A. Greene. 1,485,223; Feb. 26.
Tray or similar article, Metal border strip for a. A. Barchoff. Des. 64,041; Feb. 26.
Tray, Smoker's ash. P. H. Spillane. Des. 64,083; Feb. 26.
Treatment of materials, Apparatus for. G. W. Burt and C. R. Mabee. 1,485,070; Feb. 26.
Trench excavator. P. J. Monahan, W. Ferris, and W. Lehman. 1,484,841; Feb. 26.
Trestle, Knockdown. C. H. Davis. 1,485,251; Feb. 26.
Tricycle and gocart, Combination. A. Dobrowolski. 1,484,876; Feb. 26.
Trimmer: *See*—
Hedge trimmer. Lawn trimmer.
Trimming-machine attachment. H. Renken. 1,485,149; Feb. 26.
Trimming machine, Putty-. A. Hughes. 1,485,268; Feb. 26.
Truck. H. L. Hamilton. 1,485,224; Feb. 26.
Truck, Hand. C. F. Bompart. 1,484,864; Feb. 26.
Truck, Hand-control load-lifting. R. R. Keck. 1,484,947; Feb. 26.
Truck, Hoisting. V. E. Beagle. 1,484,698; Feb. 26.
Truck, Railway. E. W. Summers. 1,485,311; Feb. 26.
Truck, Rotatable conveying. V. E. Adland. 1,484,615; Feb. 26.
Tube: *See*—
Tire tube.
Turbine. J. C. Britcher. 1,484,983; Feb. 26.
Turbine, Hydraulic. L. F. Harza. 1,485,186; Feb. 26.
Turbine wheel. F. M. Zottoli. 1,484,980; Feb. 26.
Turbogenerator. C. W. Dake. 1,484,813; Feb. 26.
Typewriting machine. F. Sándor. 1,485,297; Feb. 26.
Typewriting machine. J. A. B. Smith. 1,485,204; Feb. 26.
Typewriting machine. J. Waldheim. 1,485,206; Feb. 26.
Underreamer. G. H. Craig. 1,485,249; Feb. 26.
Universal joint. F. Kingsley. 1,485,036; Feb. 26.
Valve. L. J. Rossiter. 1,484,997; Feb. 26.
Valve-adjusting means. R. M. Getchell. 1,484,640; Feb. 26.
Valve for compressors, Pilot. S. B. Redfield. 1,484,674; Feb. 26.

Valve for rock drills, Fluid-actuated inlet. F. M. Slater. 1,484,678-9; Feb. 26.
Valve for rotative motors, Hand-regulating. C. C. Hansen. 1,484,643; Feb. 26.
Valve, Pressure-reducing regulating. E. R. Williams. 1,485,000; Feb. 26.
Valve, Safety quick-closing. H. H. Hoffman. 1,485,081; Feb. 26.
Valve, Seatless. J. R. Smith. 1,484,796; Feb. 26.
Valves, Locked housing for. J. W. Moore. 1,484,798; Feb. 26.
Vanity box. F. Goerts. 1,484,770; Feb. 26.
Vanity boxes, Spring catch for. H. I. Phillips. 1,485,050; Feb. 26.
Vanity boxes, Spring catch for. P. A. Reutter. 1,485,052; Feb. 26.
Vanity case. B. B. Dowell. 1,485,172; Feb. 26.
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Variable-speed mechanism, Belt tightener for. J. O. Corn. 1,484,811; Feb. 26.
Vault, Concrete casket. J. Mannix. 1,484,896; Feb. 26.
Vegetables, Device for cutting. J. MacQuillan. 1,484,859; Feb. 26.
Vehicle. N. C. Storey. 1,484,974; Feb. 26.
Vehicle buffer. G. A. Lyon. 1,485,035; Feb. 26.
Vehicle buffer. G. A. Lyon. 1,485,040; Feb. 26.
Vehicle buffer device. G. A. Lyon. 1,485,044; Feb. 26.
Vehicle buffer, Resilient. G. A. Lyon. 1,485,039; Feb. 26.
Vehicle, Child's. F. E. Meyer. 1,484,897; Feb. 26.
Vehicle construction. A. F. Masury. 1,484,954; Feb. 26.
Vehicle doors, Handle for motor-. J. M. Yates. Des. 64,095; Feb. 26.
Vehicle, Motor. J. Galamb. 1,484,880; Feb. 26.
Vehicle signal. O. W. Barricklow. Des. 64,042; Feb. 26.
Vehicle signal. F. H. Kaley. 1,484,714; Feb. 26.
Vehicle top, Metallic motor-. J. Hamlin and T. Makela. 1,485,029; Feb. 26.
Vehicles and machinery, Variable-speed gearing for motor. R. H. and V. Hopkinson. 1,484,711; Feb. 26.
Vehicles, Buffer for motor. G. A. Lyon. 1,485,037; Feb. 26.
Vehicles, Bumper for motor. I. L. Edwards. 1,485,382; Feb. 26.
Vehicles, Lubricating arrangement for the crank cases or oil chambers of motor. W. E. Goodwin. 1,484,641; Feb. 26.
Ventilator: *See*—
Window ventilator.
Vessels, Propulsion and maneuvering of. J. H. W. Gill. 1,484,881; Feb. 26.
Viola, Fingering mechanism for contrabass. S. Christensen. 1,484,955; Feb. 26.
Vulcanising and other apparatus, Means for controlling the supply of heat in. W. H. Welch. 1,485,351; Feb. 26.
Washer for nuts and the like, Locking. A. G. France. 1,484,769; Feb. 26.
Washing machine. W. G. Carson. 1,484,873; Feb. 26.
Washing machine. O. Herrmann. 1,485,354; Feb. 26.
Washing-machine casing. Z. C. Haberman. Des. 64,062; Feb. 26.
Waterer and feeder, Chicken. T. O. Bakken. 1,484,860; Feb. 26.
Water heater. E. J. Zeigler. 1,485,107; Feb. 26.
Waterproof, flexible, abrasive-holding composition and product, Making. F. J. Crupi. 1,484,759; Feb. 26.
Water sprinkler. W. C. Todd and J. W. Pomeroy. 1,484,684; Feb. 26.
Weeding tool. R. H. Kimberlin. 1,484,948; Feb. 26.
Wheel: *See*—
Automobile jack wheel. Turbine wheel.
Steering wheel.
Wheelbarrow. J. L. Funk. 1,485,179; Feb. 26.
Wheel rim, Metal bicycle. W. B. Olle. 1,484,844; Feb. 26.
Window screen, Rolling. A. Yerly. 1,485,324; Feb. 26.
Window sashes, Automatic interlocking attachment for. H. C. Trost. Re15,779; Feb. 26.
Window sashes, Automatic interlocking attachment for. H. C. Trost. 1,484,685; Feb. 26.
Window ventilator. A. C. Schoepfer. 1,485,125; Feb. 26.
Wire fabric. H. M. Young. 1,484,697; Feb. 26.
Wire-line spooler. F. Squire. 1,484,790; Feb. 26.
Wire with varnish and the like, Apparatus for coating. W. A. Dickie. 1,485,254; Feb. 26.
Wood substitute. J. W. Sheridan. 1,485,303; Feb. 26.
Woodworking machine, Adjustment for. F. L. Lane. 1,484,585; Feb. 26.
Work clamp and gauge. G. A. Kirkbride. 1,485,082; Feb. 26.
Wrench. P. C. Baldus. 1,485,062; Feb. 26.
Wrench. D. S. Flowers. 1,485,220; Feb. 26.
Wringer roll. G. R. Keltie. 1,485,189; Feb. 26.
Wringers, Control mechanism wash for. J. G. Seelig. 1,484,676; Feb. 26.
Wringers, Safety device for clothes. J. J. Wood. 1,485,323; Feb. 26.
X-ray filter. A. Mutschellor. 1,484,663; Feb. 26.
Zeolites, Regenerating spent. H. Kriegsheim. 1,485,334; Feb. 26.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 26, 1924.

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Disbarment of Attorneys—Rules of the Supreme Court of the District of Columbia—Petitions to Review Orders of Commissioner of Patents.

IN THE SUPREME COURT OF THE DISTRICT OF COLUMBIA HOLDING A GENERAL TERM. PRESENT: THE CHIEF JUSTICE AND ASSOCIATE JUSTICES STAFFORD, SIDDONS, HITZ, BAILEY, AND HOEHLING.

Order.

It is ordered that the following be and they hereby are established as the rules of practice in this court on petitions to review orders of the Commissioner of Patents:

1. In all cases of review by the Supreme Court of the District of Columbia of the action of the Commissioner of Patents in refusing recognition of parties practicing or seeking to practice before the United States Patent Office, or suspending or excluding parties from so practicing, which review is provided for by section 487 R. S. as amended by the act of Congress of February 18, 1922, the party aggrieved shall within forty days from and after the date of the order or action sought to be reviewed present to the Commissioner of Patents his petition to this court requesting a review of the order made by the Commissioner and setting forth the errors alleged or the grounds on which the review is sought; and within forty days after the presentation of such petition to the Commissioner the same shall be forwarded by him to this court and shall be filed by the clerk. The party seeking such review shall within said forty days file with the clerk of this court a certified transcript of the record and proceedings in the Patent Office which it is sought to review which shall constitute the sole basis of such review.

2. At the time of the filing of such transcript the petitioner shall deposit with the clerk at least fifteen dollars ($15) to be applied toward the fees in this court and from time to time the clerk may on notice to the petitioner require additional deposits. On failure to make such deposit or deposits the appeal may be dismissed by the court.

3. The Commissioner of Patents may be represented in the proceedings upon such petition in this court by a law officer of the Patent Office to answer such questions or give such information as the court shall desire.

4. Upon the hearing the petitioner shall submit a brief on the law and facts and shall deliver three copies thereof for the use of the court and a copy for the Commissioner of Patents. If the transcript of the record and proceedings contains a report of more than twenty-five pages of evidence, such brief shall contain a short statement of the facts in addition to the brief of authorities relied upon.

5. If the certified transcript of the record and proceedings shall not be filed within the time fixed by these rules, the right to a review shall be deemed waived and the order of the Commissioner shall remain in full force and effect.

6. Whenever any paper is filed in the office of the clerk of the court there shall be delivered therewith to the clerk three copies thereof for the use of the court.

7. A motion to set a day for a hearing on the petition may be made by the petitioner at any time after the transcript of the record and proceedings has been filed in the office of the clerk, provided that notice of such motion be in writing and a copy thereof served on the Commissioner of Patents at least two clear days, excluding Sundays and holidays, before the return day thereof. Such motion shall be heard by the Chief Justice or in his absence by the senior Associate Justice.

Unless the petitioner moves for a hearing within thirty days after the filing of such transcript in the office of the clerk of this court, the proceedings will stand dismissed for want of prosecution, and the clerk shall make the proper entry of such dismissal.

By the Court:

WALTER I. McCOY, *Chief Justice.*

February 20, 1924.

Prints and Labels—Amendment to Rules.

(ORDER No. 2,855.)

Acting with the approval of the Secretary of the Interior, rules 18 (b), 32, 34, and 42 of the rules governing the registration of prints and labels are amended to read as follows:

18 (b). Ten copies of the print or label; if the print or label is unwieldy at least two originals and ten photographic copies.

32. When the requirements of the law and of the rules have been complied with and the Office has adjudged a print or label registrable, a certificate will be issued, signed by the Commissioner of Patents, under the seal of the Patent Office.

34. The certificate may be continued for a further term of twenty-eight years upon filing a second application within one year prior to the expiration of the term of the original certificate, on payment of the renewal fee of six dollars, and complying with all other regulations of the statute.

42. It is necessary, in order to maintain an action for infringement of a copyright, that the claim of copyright be printed on each copy of the article protected. The wording of the notice is determined by the copyright statute, section 18. Prior to filing the application for copyright the article must be originally published with the statutory notice of copyright.

February 25, 1924.

THOMAS E. ROBERTSON,
Commissioner.

Conditions of Applications Under Examination at Close of Business February 22, 1924.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, excluding Trade-Mark Division, 62,894: Trade-Mark Division, 1,662. Oldest new case, May 26, 1923; oldest amended, May 26, 1923. The dates given are 1923, except where * indicates 1924.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	June 25	July 7	1,109
128	2. HADEN, C. P., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	May 26	July 11	1,143
175	3. RICH, WM. T., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 3	Oct. 5	982
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	July 6	June 25	1,193
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	June 14	June 14	1,381
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	May 25	June 28	1,786
312	7. JARBOE, C. O., Games and Toys; Optics; Photography	July 27	July 30	2,513
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Sept. 14	Nov. 1	1,548
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	June 28	*Jan. 9	686
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	July 11	July 7	1,407
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 12	Oct. 2	746
222	12. PIERCE, P. E., Machine Elements	July 27	Sept. 4	1,119
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	June 20	Aug. 31	1,063
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure, Wire Working.	June 28	*Jan. 4	993
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	June 6	June 16	1,992
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	June 20	June 20	2,659
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	July 2	Oct. 8	1,295
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	June 1	June 2	1,971
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Oct. 13	Nov. 12	1,000
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	July 26	July 30	1,308
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	June 8	Nov. 20	887
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 4	Oct. 2	413
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	June 6	June 2	559
144	24. DURAS, C. C., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 9	July 30	1,052
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Nov. 2	Nov. 9	735
105	26. HODGES, J. R., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	June 23	July 9	957
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 11	July 18	1,231
225	28. BENSON, A. R., Internal-Combustion Engines	July 24	Aug. 14	1,274
147	29. MORRIS, B. W., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	June 22	June 30	1,198
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	July 5	Dec. 11	1,059
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	July 28	July 30	1,361
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	June 12	June 16	1,211
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Aug. 1	Aug. 2	1,289
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 16	Sept. 6	814
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 16	Oct. 17	849
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug. 17	Aug. 18	1,765
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	June, 28	June 30	1,656
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	June 14	June 14	1,545
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	May 25	May 28	978
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	June 4	Nov. 19	1,542
125	41. BROWN, J. ., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	May 28	July 23	931
114	42. CUTTING, E. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 21	July 2	1,751
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	June 30	July 6	1,679
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	June 8	Oct. 22	1,045
379	45. GILES, A. E., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Sept. 21	Aug. 1	1,391
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Sept. 17	Sept. 27	1,064
264	47. BARKER, E., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	July 28	Oct. 13	987
116	48. ROEPKE, C. B., Electricity Conductors; Electricity, General Applications	June 7	June 13	2,394
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Aug. 16	Sept. 4	481
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 24	*Feb. 1	402
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Jan. 16	*Feb. 8	1,507
	{Labels and Prints	*Feb 15	*Feb. 15	65

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

CANTERBURY CANDY MAKERS *v.* BRECHT CANDY CO.

No. 1,561. Decided January 7, 1924.

1. TRADE-MARKS—CANCELLATION—SWINGING SIGNS OF DIFFERENT PROPORTIONS—DECEPTIVE SIMILARITY.

Where the registrant's trade-mark comprises the word "Canterbury," associated with a swinging sign carried by a support, and the petitioner's mark consists of a bracket from which a sign depends, both signs bearing words all of which are disclaimed except registrant's word "Canterbury," petitioner's sign being of greater width than height and registrant's of greater height than width, and the lower parts of both having similar outlines, *Held* that in each the characteristic thing is the sign, and the marks held deceptively similar.

2. SAME—SAME—SIMILARITY—IMPROPER TEST OF.

Placing the marks side by side is not the way to determine whether they are deceptively similar.

3. SAME—SAME—USE OF CHARACTERISTIC FEATURE OF MARK BY OTHERS IN SAME LINE OF BUSINESS.

The fact that others in the same line of business are using signs as trade-marks furnishes no reason why registrant should be given the sole right to employ one. The only concern in this proceeding is that as against the petitioner the registrant has not an exclusive right to the mark.

Mr. D. W. Gould for Canterbury Candy Makers.

Mr. A. J. O'Brien for Brecht Candy Co.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

In this proceeding the Brecht Candy Company seeks the cancellation of a trade-mark of Canterbury Candy Makers, which comprises the word "Canterbury" associated with a swinging sign carried by a support. On the sign are the words "Canterbury Candies, Seattle." Apart from the drawing shown in the certificate of registraion, 'Candies" and "Seattle" are disclaimed. The Brecht Candy Company's mark consists of a bracket from which a sign depends. On the sign are the words "Von Brecht," which are disclaimed. The mark was adopted by it before the registrant adopted its mark. Both parties are in the candy business. The only inquiry in the case, therefore, relates to the alleged similarity of the marks.

[1, 2] Petitioner's sign is wider than it is high, while registrant's is taller than it is wide. The lower parts of both have similar outlines. In each the characteristic thing is the sign. It impresses the mind. One might easily mistake the one mark for the other unless his attention was especially directed to the words on them. Of course, one mark differs somewhat from the other, and if they were placed side by side a person would have no difficulty in distinguishing them, but that is not the way, as we have said more than once, to determine whether marks are deceptively similar. *Coca Cola Co.* v. *Chero Cola Co.*, 51 App. D. C. 27; 288 O. G., 432, and cases therein referred to. The intending purchaser rarely has an opportunity to compare the marks. He must rely on his memory of the one he is seeking, and usually he decides at a glance. He is not required by the law to do more. *Coca Cola Co.* v. *Chero Cola Co.*, ante. Proceeding in this way we think he probably would be deceived if both marks were used in trade.

[3] It is urged by the registrant that others engaged in the same line of business are using signs as trade-marks. This may be conceded, but it furnishes no reason why registrant should be given the sole right to employ one. As against the petitioner the registrant has not an exclusive right to the mark. That is all we are concerned about in this proceeding.

The Commissioner of Patents sustained the petition for cancellation, and we affirm his decision.

Affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case May 3, 1922, is as follows:

This is an appeal from the action of the Examiner of Interferences dismissing a petition for the cancellation of trade-mark registration No. 135,208, issued to Canterbury Candy Makers.

The application for the registration of the mark was refused on Trade-Mark No. 114,594, registered to the Von Brecht Candy Company. Apparently after an oral interview with the Examiner the prior mark was withdrawn as a reference and the case passed to issue. The rules require that proceedings be in writing, and the oral interview is allowed merely as an elaboration of the argument. The attorney should have incorporated the substance of the argument in the papers filed, and the Examiner should have insisted on this; but that duty was neglected in this instance. In the record is no indication of what occurred at that interview, and it is impossible to determine what controlled the Examiner in this respect.

In this state of the case, the Examiner of Interferences rendered a pro forma decision against petitioner "in the interests of uniformity of practice in this Office," I am, therefore, forced to enter upon an uncharted sea on this appeal.

The registered mark shows a bracket from which depends a sign associated with an inconspicuous lantern and the word "Canterbury." Upon the sign are the words "Canterbury Candies, Seattle." "Candies" and "Seattle" are disclaimed apart from the mark shown. An amendment disclaiming the "representation of the swinging sign" was presented, but afterwards canceled.

Petitioner for cancellation has established the prior use of its registered mark which consists of a bracket from which a sign depends, on which are placed the words "Von Brecht" or "Brecht." The words "Von Brecht" are disclaimed.

The petitioner's sign is wider than it is high. Registrant's sign is taller than it is wide. Nevertheless both marks are signs, and the predominant thing, aside from the words, in both marks is the sign. We are not informed with respect to the origin of registrant's mark. With the whole world to choose from it seems unnecessary for registrant to place a representation of a sign upon its goods. It may be that the words associated with the marks of the parties will prevent either party's goods from being known as "sign" candies. Nevertheless, it is clear that the only picture carried in the mind of the purchaser from an inspection of the marks will be a sign. A careful examination of the two marks placed side by side may distinguish them; but that is not sufficient. *Coca-Cola Co.* v. *Chero-Cola Co.*, 288 O. G. 432; 51 App. D. C. 27.

I am of the opinion that with both marks in commerce there is likelihood of the result being—

to cause confusion or mistake in the mind of the public or to deceive purchasers.

Registrant refers to earlier registered marks by third parties which include signs. Such a showing seems merely to indicate that registrant by entering the field makes "confusion worse confounded." But I do not understand the trade-mark statutes are directed toward such a result.

The Examiner of Interferences is reversed and trade-mark registration No. 135,208 will be canceled.

Court of Appeals of the District of Columbia.

DOBLE *v.* SCOTT.

No. 1,814. Decided January 7, 1924.

INTERFERENCE—CONCEPTION—DILIGENCE—INOPERATIVENESS—RIGHT TO MAKE CLAIMS.

Where S. alleged no date of conception prior to D.'s filing date as to certain counts and as to other counts claimed conception long prior to D.'s filing date, but failed to show that he was diligent when D. entered the field; and subsequently, D. would be entitled to priority if his apparatus were operative and if he were able to make the claims. Priority awarded to S.

Mr. C. C. Bulkley for Doble.

Mr. A. S. Stewart for Scott.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

Doble appeals from a decision of the Commissioner of Patents awarding Scott priority in an interference proceeding between a patent to Scott on an application filed June 24, 1918, and an application of Doble's filed November, 1916. The invention involved relates to an apparatus for burning heavy oils, primarily intended for the generation of steam in a steam-driven automobile. The oil is forced through a mechanical spraying device and is ignited by an electric sparking device in the path of the oil. Air to complete combustion is supplied by a blowing device and the spark is shielded from the air blown into the apparatus to insure complete combustion. Doble copied certain claims from the Scott patent, and after the declaration of the interference Scott moved to dissolve it as to counts 3, 4, 5 and 6, on the ground that Doble had no right to make the counts. The motion was denied by the Law Examiner.

As Scott's patent was issued during the pendency of Doble's application he gained no advantage by reason of having it. Doble relies on his filing date. Scott, as to counts 3 and 4, alleged no date of conception prior to that date. As to claims 1, 2, 5 and 6 Scott claims conception as of June, 1908, but he failed to show that he was diligent when Doble entered the field and subsequently. In this situation Doble would be entitled to priority unless his apparatus is inoperative, or unless he is unable to make the claims, as Scott asserts. Testimony was taken on behalf of both. Obviously, the question involved is purely one of fact. Each of the three tribunals found in favor of Scott.

We have attentively considered the record in the light of the oral and printed arguments of the parties, and we find no ground for reversing the decision of the Commissioner. It is therefore affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

JOY *v.* MORGAN.

No. 1,838. Decided January 7, 1924.

1. INTERFERENCE—PRIORITY—REDUCTION TO PRACTICE—DELAY—DILIGENCE.

Where the junior party, J., who conceived the invention in 1903 and filed his application in 1916, was not only diligent at the time M. conceived and after that until J. filed his application, but did many things looking toward the development of the invention between the time of J.'s conception and 1910, when M. appeared, and where under circumstances of great difficulty J. sought in every direction for the money or its equivalent necessary to reduce the invention to practice and lost no opportunity to avail himself of assistance, priority was awarded to J. as against M., who filed his application in 1910, but never built a machine or did anything toward reducing it to practice, and whose invention was declared impractical by disinterested experts.

2. SAME—SAME—SAME—SAME—SAME—TIME AND MONEY SPENT ON OTHER INVENTIONS.

Where J. found time and money to file applications for other inventions while he was working on the invention in issue, but the inventions were simple and little money was required, and he gave attention to those inventions on the advice of his attorneys that he might through them secure money enough to enable him to proceed with the development of the present invention, *Held* that this course on his part may be treated as a step toward the reduction of the device to practice.

3. SAME—SAME—SAME—SAME—SAME—THINGS TO BE TAKEN INTO CONSIDERATION.

Only reasonable diligence is required in any case. The situation of the inventor, his financial condition, the amount of work and money necessary to produce an actual reduction to practice, and his efforts to secure what is needed to accomplish his purposes are all proper to be taken into consideration.

4. SAME—SAME—SAME—SAME—SAME—THINGS NOT REQUIRED OF INVENTOR.

It is not necessary that the inventor should give all his time to the development of the invention or abandon his ordinary means of livelihood.

5. SAME—SAME—SAME—DELAY IN FILING APPLICATION.

M. filed as soon as he conceived the invention, while J. waited until he was certain he had a device that would satisfy the demand of the industry and advance the public interest. *Held* that J.'s course should be approved.

Mr. M. A. Christy for Joy.

Mr. C. M. Nisson, Mr. A. J. Crane, Mr. F. W. Thomas, and *Mr. C. M. Thomas* for Morgan.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

In an interference between the application of Edmund C. Morgan and a patent to Joseph F. Joy, relative to a subcombination of a coal-loading machine or device, the Commissioner of Patents awarded priority to Morgan. His application was filed in 1910, and a division of that application in 1916. Joy filed in 1916 and secured a patent in 1919, while Morgan's application was pending. The issue is expressed in two counts, reading thus:

1. In a loading machine of the class described, a gathering mechanism including a substantially horizontally arranged finger and means to move the same in a fixed noncircular orbital path.

2. A gathering mechanism including a support, a driven shaft carried by said support, a disk rotatably geared to said shaft, a finger pivoted eccentrically on said disk, a bar carried by said finger, and a swiveled guide for said bar carried by said support.

Joy was successful before the Examiner of Interferences but lost on Morgan's appeal to the Examiners in Chief. Both tribunals went into the matter with great thoroughness. The Commissioner contented himself with a short opinion in which he affirmed the decision of the Examiners in Chief.

The Examiner of Interferences and the Examiners in Chief united in awarding conception to Joy in 1903, some seven years before Morgan entered the field. On this point the Commissioner expressed no opinion but placed his judgment upon the ground that Joy had not shown himself diligent at the critical time. In the holding that Joy is entitled to 1903 for conception we concur. The case turns chiefly on the point whether or not, all the circumstances considered, Joy was reasonably diligent at the time Morgan conceived and continued so until his filing date. Relative to this the testimony is extensive. We can give no more than a brief résumé of it.

The Morgan machine has never been built, nor has anything been done toward actually reducing it to practice. Disinterested experts testified that it was impractical under actual mining conditions. On the other hand, the Joy machine as soon as completed was placed in operation and proved satisfactory. For more than 20 years there was a demand in the coal industry for such a machine. It was the first to meet and satisfy the demand. A number have been built at great expense and are doing good work.

Joy, a very poor boy, went to work in the mines when he was 12 years of age, having at that time little education. But he was industrious and ambitious. When about 15 he took a correspondence school course in mechanical engineering. In 1903, when about 19, he conceived the invention in question, and, while at that time he had it in its essential subject matter, it was in a crude form. The machine would dig some coal and to that extent was workable, but, according to his notion as a miner of experience, it was not sufficiently developed to be classed as a practical machine.

While we are concerned only with the period which commenced immediately preceding Morgan's entry into the field and continued until Joy filed, still it is not improper to point out that Joy did many things looking toward the development of the invention between the time of conception and 1910, when Morgan appeared. In 1903 and 1905 he made two drawings and discussed them with persons familiar with mining needs, and made a model between 1905 and 1906. Between 1907 and 1908 he worked in the evenings on drawings and sketches, being engaged during the day in the mines. Another model was made by him in 1909.

To actually reduce the invention to practice required much time and money. He was compelled to labor that he might support his wife and indigent father. Consequently he could give but little time to the machine. But if he could spare the time he was without the necessary money to procure material and facilities for the construction of the device. Not until the spring of 1910 was he able to get in touch with anyone who could help him. This was some three months before Morgan's date of conception, which was July 27, 1910. He then secured a position as master mechanic with a coal-mining company, and succeeded in interesting the superintendent in his invention. This promised well for him, but very soon thereafter a strike occurred in an affiliated mine which made it necessary for him and the superintendent to give all their attention to the mine with which they were connected. In the fall of that year seeing what he believed would be a better opportunity to develop his invention, he sought and obtained employment in another mine, whose superintendent was favorably impressed with the invention and authorized him to build a machine embodying it if he could find sufficient material at the mine with which to do it; but he was unable to find the material. He withdrew from his employment in that mine in 1912, leaving behind a drawing and a model which he had made while there.

We next find him superintendent of a coal mine where he was able to earn a salary of $140 a month. The company which owned it, however, was not financially strong, and it was imperative that he should give every moment of his time to its affairs. Seeing no immediate prospect of developing his ideas at that place, he accepted a position with a large coal-mining-machinery manufacturing company at a smaller salary, namely, $100 a month, in the hope that he might obtain there the chance which he so earnestly sought. Taking the place at $40 a month less than he was receiving

in the position which he gave up was a great sacrifice for him in view of the demands upon him and his ability to meet them, but he was willing to make it.

From a study of the company's machinery he got an idea which aided him to solve some of his difficulties. He communicated his views to the designing engineer of the company, who, perceiving the merit of his conception, referred him to some of the executives of the company. He saw them, but they refused him any assistance, and endeavored to discourage him from further prosecution of his thought. Their attitude, it turned out, was due to the fact that they believed his machine would conflict with one their company was working on. But he did not yield. He was convinced, he said, that in time he would satisfy them of the merits of his idea. He continued to give his best efforts to the duties of his employment with the manufacturing company but still kept his own machine in mind, and whenever opportunity permitted he sought aid either by discussing the matter with others or by soliciting an opportunity to embody his ideas in a structure.

In 1915 he was authorized by the company to superintend the installation of one of its machines at mine No. 2 of the Pittsburgh Coal Company. While engaged in that work he met a friend who had helped him to prepare one of the models heretofore referred to, and explained to him what he had decided upon with respect to a certain part of the invention. After the machine which he had been sent to install had been put in place he and his friend constructed a model embodying some of his latest ideas. As a result he reached the conclusion that he had a practical form of machine capable of accomplishing the purpose which he had in mind. But still he was without money with which to construct it. He sought a former acquaintance who had been successful in the coal-mining business and exhibited the last-mentioned model with a view of obtaining financial aid. Joy being convinced from his various experiments that he had the conception of a complete machine that would work tendered his resignation to the manufacturing company. But one of the officers of that company, knowing something about the progress which he had made in the development of his conception, offered him a larger salary if he would remain. At this time a falling out occurred between him and the acquaintance who was to assist him, and he accepted the company's offer, feeling, however, that now he would be able to interest that company in his invention. He showed his last model to the chief engineer of the company, who suggested that he exhibit it to some of the other officials. He did so, but their general disposition toward it was still discouraging. The engineer, however, gave him a letter of introduction to the chief engineer of the Pittsburgh Coal Company, who upon seeing the model said it seemed to be just what his company was looking for, and introduced him to the vice president of the company, who sent word to the manufacturing company, Joy's employer, that he would like them to proceed with the construction of a machine in accordance with Joy's model. This was in the latter part of 1915. The construction of the machine was entered upon and proceeded with in the usual way but was not completed until the latter part of September, 1916. Commenting upon this the Examiner of Interferences said:

> It took almost a year for the Jeffrey Company (the manufacturing company) to build a small part of the completely practical machine and to barely reduce to practice the subcombination in issue, using parts furnished by the Pittsburgh Coal Company, and the continual services of the inventor. Under such circumstances it is conceivable that a relatively poor man might easily require more than six years, devoting due time to earning a livelihood, and by the exercise of a high degree of diligence fail to complete the details of a practical loader to the extent of justifying an application for patent, even though he had a conception of its most vital subcombination.

The machine after it was built was tried out and the results were so satisfactory that the coal company proceeded to have additional machines built in accordance with the Joy model, and then Joy caused his application to be filed.

[1] The first machine constructed cost $22,000, and there was spent in its further development and modification $175,000. This shows the large amount of money which was necessary to achieve an actual reduction to practice. Joy, as we have said, did not have it, and while he sought in every direction in which it seemed likely that he would be able to procure it or its equivalent in material and facilities he failed until he met the Pittsburgh Coal Company. He lost no opportunity to avail himself of any assistance which presented itself. What more could he have done in the circumstances? We can not conceive of anything.

[2] It is said that while he was working on the invention he found time and money sufficient to enable him to file applications for other inventions. That is true. But the inventions were simple and little money was required. Besides, he gave attention to those inventions on the advice of his attorneys that he might through them secure money enough to enable him to proceed with the development of the coal-loading device. This course on his part may be treated as a step toward the reduction of the device to practice. It works for him, not against him.

[3, 4] We have declared more than once that there is no fixed rule by which diligence may be determined in all cases. Each case must be turned on its own facts. *Burnett* v. *Utsman*, 46 App. D. C. 407, 410; 245 O. G. 1027; *Jobski* v. *Johnson*, 47 App. D. C. 230; 247 O. G. 479; and *Sargent* v. *Vetter*, 48 App. D. C. 582, 585; 262 O. G. 646. Only reasonable diligence is required in any case. The situation of the inventor, his financial condition, the amount of work and money necessary to produce an actual reduction to practice, and his efforts to secure what is needed to accomplish his purposes, are all proper to be taken into consideration. *Dickinson* v. *Swinehart*, 49 App. D. C. 222; 263 Fed. 474; 273 O. G. 407; and *Walser* v. *Scott*, 52 App. D. C. 232; 308 O. G. 4. It is not necessary that the inventor should give all his time to the development of his invention, or abandon his ordinary means of livelihood. *Courson* v. *O'Connor et al.*, 227 Fed. 890; 224 O. G. 1067; and *Dickinson* v. *Swinehart*, supra. Nor will persistent efforts to develop an invention, as here, be discouraged by "a too strict application" of the rule requiring diligence. *Sargent* v. *Vetter*, ante. Delay for the purpose of the elaboration and perfection of a crude conception may well be commended, and we have had occasion to express such commendation. *Platt* v. *Shipley*, 11 App. D. C. 576; 82 O. G. 461.

A careful survey of the record in the light of these decisions satisfies us that Joy exercised due diligence in his efforts to reduce the invention to practice before he filed.

[5] It is asserted that he might have secured a constructive reduction to practice by filing an application before Morgan appeared on the scene. That is true. He says he did not file because he thought an application should not be filed until his invention had been sufficiently developed to be a commercial success. While he was mistaken in this, it explains his failure to file. As we have just said, this court has commended the course of those who refuse to rush to the Patent Office before the merits of their invention have been tested. *Platt* v. *Shipley*, ante; and *Yates* v. *Huson*, 8 App. D. C. 93; 74 O. G. 1732. Morgan filed as soon as he conceived the invention, while Joy waited until he was certain he had a device that would satisfy the demand of the coal-mining industry and advance the public interest. We think his course should be approved. However, as he exercised due diligence in actually reducing the invention to practice, his failure to secure a constructive reduction to practice is immaterial. *Walser* v. *Scott*, supra.

Joy urges that Morgan, because of laches, lost his right to make the claims prior to Joy's filing date, but, in view of the conclusion we have reached, we do not find it necessary to consider this question.

Taking the case as we see it, we feel constrained to reverse the decision of the Commissioner, and it is so ordered.

Reversed.

Court of Appeals of the District of Columbia.

HORTON *v.* SACHS.

No. 1,559. Decided January 7, 1924.

INTERFERENCE—PATENT AND APPLICATION—CONSTRUCTION OF ISSUE.

Where a patent embracing the invention issued to S., the junior party, while the application of H. was pending and was placed in interference therewith, the issue was given a broad construction and priority was awarded to S.

Mr. W. B. Jones and *Mr. J. B. Theiss* for Horton.

Mr. H. G. Kimball and *Mr. C. W. Fairbank* for Sachs.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

Bryson D. Horton appeals from a decision of the Commissioner of Patents awarding priority to Joseph Sachs in an interference proceeding relative to an invention concerning a cut-out switch, with which is associated a device arranged for meter testing. The whole device is ordinarily used at a point adjacent to where the wires enter a building to supply electric current thereto. There are 17 counts. Counts 1, 9 and 14 are typical.

> 1. A meter-testing appliance comprising a plurality of pairs of contacts, and their cooperating connectors, one of which constitutes a load-controlling switching element, at least one contact of each pair having means electrically connected therewith for the connection thereto of testing means to thus adapt the appliance for meter-testing.
>
> 9. A plurality of pairs of contacts, a service side connector cooperative with one pair of contacts to open and close connection therebetween, and a load side connector cooperative with another pair of contacts to open and close connection therebetween, the meter coil end contact of the first mentioned pair and the load end contact of the second mentioned pair having means for the connection therewith of a testing device.
>
> 14. A load-controlling switching element and its complemental contacts, one of them constituting a load connectible contact and the other a meter coil connectible contact, the switching element when in the open position electrically freeing the meter coil connectible contact, and a circuit-controlling element connectible on the service side, said second element and the load side connectible contact of the switching element having means whereby current may be by-passed between the two elements.

Horton filed his application in 1913, while Sachs's earliest filing date was 1915. A patent embracing the invention was issued to Sachs while Horton's application was pending. The Primary Examiner held that Horton could not make the claims because he did not disclose the structure expressed by them. On appeal the Examiners in Chief reversed his decision as to certain of the claims, and affirmed it as to others. In reversing him they said that generally the language of the claims should be given the broadest meaning consistent with ordinary usage, and that no reason appeared in the case before them for making an exception to this rule. When the matter came to the Examiner of Interferences he found that Sachs had conceived and reduced to practice before Horton conceived, and awarded him priority. Horton appealed again to the Examiners in Chief, who adhered to their previous statement that in an interference proceeding it was the rule that the issue claims should be construed broadly, but that an exception must be made where, as here, the counts are claims of a patent. In such a case, they said, if a broad interpretation would make the counts readable upon the prior art it should not be adopted, but that a construction should be chosen which would be applicable to the disclosures of the parties, and also free of the prior art. In consonance with this view they held the claims should be given a restricted meaning, and that when this was done Horton could make them; that the exhibits upon which Sachs relied to show priority did not reflect the issue, and hence that Horton should be awarded priority.

In reviewing the decision of the Examiners in Chief, the Assistant Commissioner went into the

subject quite thoroughly. He held with the Primary Examiner, saying in effect that there was no difficulty in reading the counts upon the structure of Horton in the way he suggested without impinging upon the prior art, but that there was no word or term or clause in any of them which supported or furnished any basis whatever for adopting his suggestion, and accordingly he reversed the Examiners in Chief and awarded priority to Sachs.

A careful study of the case has led us to the conclusion that the Commissioner did not err. We are satisfied with his reasoning, and on the strength of it affirm his decisoin.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

845,224, W. Eibel, Fourdrinier machines, suit filed Jan. 8, 1924, D. C., S. D. N. Y., Doc. E 28/248, *Eibel Process Co.* v. *Sears, Roebuck & Co.*

851,942, T. Kernchen, Chimney top, suit filed June 13, 1921, D. C. Mass., Doc. E 1135, *Kernchen Co.* v. *F. E. Treuchet.* Final decree for plaintiff for injunction, Nov. 9, 1923.

858,188, A. G. Laurent, Hand fire-extinguishing apparatus, suit filed Jan. 30, 1923, D. C. Del., Doc. E 515, *Foamite Childs Corp.* v. *Pyrene Mfg. Co.* Motion for preliminary injunction denied Apr. 28, 1923.

891,895, F. E. Young, Steel barrel, suit filed Dec. 4, 1924, D. C., N. D. Ill., Doc. 3800, *Meurer Steel Barrel Co., Inc.* v. *Wilson & Bennett Mfg. Co.*

921,728, R. E. Noble, Cutter chains, suit filed Dec. 20, 1923, D. C., N. D. Ill., Doc. 3821, *Morgan-Gardner Electric Co.* v. *Electric Coal Mining Machinery Co.*

933,231, C. E. Cleveland, Log-handling mechanism, suit filed Aug. 29, 1923, D. C. Oreg., Doc. E 8615, *D. J. Murray Mfg. Co.* v. *Sumner Iron Works et al.* Patent held void as to claim 12, Jan. 3, 1924.

1,072,791, R. P. Thompson, Automobile, suit filed Jan. 18, 1924, D. C., N. D. Ohio (W. Div.), Doc. 445, *The Temco Electric Motor Co.* v. *The Union Supply Co.*

1,327,061, Penniman, Jr., & Zoph, Process for the manufacture of iron pigments, suit filed Dec. 8, 1923, D. C., N. D. Ill., Doc. 3811, *National Ferrite Co. et al.* v. *Chicago Color Co.*

1,330,408, C. H. Taylor, Internal-combustion engines, suit filed Dec. 19, 1923, D. C., N. D. Ill., Doc. 3820, *C. H. Taylor* v. *Ford Motor Co.*

1,373,347, W. A. Morris, Header attachment for harvester thresher machines, suit filed Apr. 28, 1923, D. C. Kans. (2 Div.), Doc. N 306, *W. A. Morris* v. *The Avery Co.*

1,383,845, W. H. Palmer, Jr., Storage-battery connector, suit filed Dec. 22, 1923, D. C. Del., Doc. E 534, *The Electric Storage Battery Co.* v. *Battery Parts Co., Inc.*

1,454,565, A. C. Sanford, Combined desk and seat, suit filed Dec. 15, 1923, D. C., N. D. Ill., Doc. 3818, *A. C. Sanford* v. *The American Seating Co.*

1,460,777, C. A. Whitsett, Spot lamp, suit filed Dec. 8, 1923, D. C., N. D. Ill., Doc. 3813, *C. A. Whitsett* v. *Appleton Electric Co.*

1,468,811, G. R. Hoffman, Transmission or brake band, suit filed Jan. 19, 1924, D. C., S. D. Ill., Doc. 313, *Parks & Bohne, Inc.*, v. *Hoffman Mfg. Co. et al.*

Des. 63,192, W. Muelberger, Textile fabric, suit filed Jan. 18, 1924, D. C., S. D. N. Y., Doc. E 28/275, *Nathan & Cohen Co., Inc.*, v. *Mills & Gibb Corp.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,179,717, C. C. Harbridge, Carrier for automobiles, decided January 7, 1924, claims 17 and 19.

Pat. 1,378,118, Jacobsen and Breer, Power-transmitting joint, decided January 26, 1924, claims 1 and 2.

Pat. 1,392,473, F. O. Ball, Reatomizer, decided January 22, 1924, claims 13 and 14.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Feb. 21, 1924.*

Calista O. Van Slyck, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of William A. Whitmore, 810 West Pratt Street, Baltimore, Md., for registration of a trade-mark and trade-mark registered March 19, 1895, No. 26,243, to Calista O. Van Slyck, Lamanda Park, Calif., and a notice of such declaration sent by registered mail to said Van Slyck at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Van Slyck, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Feb. 9, 1924.*

Hoffheimer Soap Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Theo. B. Robertson Products Company, 700–4 West Division Street, Chicago, Ill., for registration of a trade-mark and trade-marks registered February 13, 1906, and February 6, 1906, No. 49,655 and No. 49,376, respectively, to Hoffheimer Soap Co., 169 Jackson Boulevard, Chicago, Ill., and a notice of such declaration sent by registered mail to said Hoffheimer Soap Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoffheimer Soap Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 4, 1924.

[VOL. 320. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 148,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. P. KRUSE, Minneapolis, Minn. Filed May 31, 1921.



Particular description of goods.—Face Creams, Toilet Waters, Perfumes; Depilatories, Bandolines and Brilliantines, and Face Powders.

Claims use since Mar. 30, 1920.

Ser. No. 151,250. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BORDEN'S FARM PRODUCTS COMPANY, INC., Wassaic and New York, N. Y. Filed Aug. 2, 1921.



No claim is made to the right to the exclusive use of the words "Quality" or "Service" or the collocation "Quality Service" except in the setting and relation in which they appear in the drawings.

Particular description of goods.—Raw or Pasteurized Milk (as Distinguished from Condensed or Otherwise-Treated Milk), Raw or Pasteurized Cream (as Distinguished from Evaporated or Otherwise-Treated Cream), and Buttermilk.

Claims use since October, 1917.

Ser. No. 151,955. (CLASS 12. CONSTRUCTION MATERIALS.) J. EDWARD OGDEN COMPANY INCORPORATED, New York, N. Y. Filed Aug. 19, 1921.

TURNOVER

Particular description of goods.—Doors.

Claims use since June, 1921.

Ser. No. 156,366. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) E. H. FREEMAN ELECTRIC CO., Trenton, N. J. Filed Dec. 7, 1921.



Particular description of goods.—Attachment Plugs, Porcelain Switch Bases, Inclosed Fuse Contacts, Current Taps, Inclosed Fuse Cut-Outs, Edison Plug Cut-Outs, Parts of Sockets, Flush Receptacle Plates, Receptacles, Rosettes, Shade Holders, Sockets, Switch Bases, Entrance Switches, Panel Switches.

Claims use since Jan. 1, 1908.

Ser. No. 160,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZIRKLE AND HENLEY, doing business as 222 Laboratories, Lynchburg, Va. Filed Mar. 9, 1922.

WILBUR'S
222

Particular description of goods.—Medicine for Indigestion, Dyspepsia, Gas, Sour Stomach, Heartburn, Nausea, Nervous Indigestion, Sleeplessness, Palpitation, Gastric or Wind Colic, Acute Indigestion, and Stomach Disorders.
Claims use since Jan. 1, 1922.

Ser. No. 163,383. (CLASS 39. CLOTHING.) DREYFUS & COMPANY, Wilmington, Del. Filed May 5, 1922.

SASSYJANE

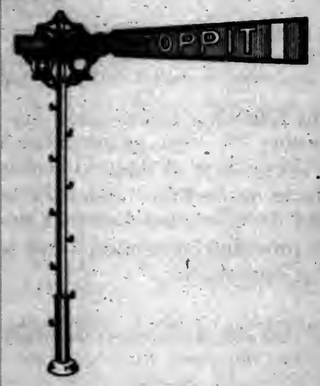
Particular description of goods.—Hosiery.
Claims use since Apr. 1, 1922.

Ser. No. 164,497. (CLASS 33. GLASSWARE.) CALIFORNIA GLASS & PAINT CO., Los Angeles, Calif. Filed May 25, 1922.



Particular description of goods.—Beveled Plate Glass, Tile, and Sheet Prism Glass, Plain Plate Glass, Flat Drawn Window Glass, Three-Sixteenths-Inch Flat Drawn Crystal Glass, Rough Glass, Ribbed Glass, Figured Wire Glass, Polished Wire Glass, Ornamental and Figured Glass, Leaded Art and Colored Glass, Black and White Glass.
Claims use since June, 1920.

Ser. No. 165,971. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TEMPLE PHARMACY, Pocatello, Idaho. Filed June 28, 1922.



The color lining appearing on the drawing indicates the color red.
Particular description of goods.—Preparation for Hay Fever, Asthma, and Catarrh.
Claims use since Jan. 18, 1921.

Ser. No. 166,035. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK BIGGIO & SONS, Chicago, Ill. Filed June 26, 1922.

KEWPIE

Particular description of goods.—Fresh Tomatoes.
Claims use since May 29, 1922.

Ser. No. 166,880. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRENCH BROAD MANUFACTURING CO., Craggy, Asheville, N. C. Filed July 14, 1922.



Without waiving any common-law right or rights the applicant does not claim the exclusive use of the words "French Broad" and "Bedspread" save and except in connection with the other matter constituting said trademark.
Particular description of goods.—Finished and Unfinished Cotton Goods, Quilts, and Bedspreads.
Claims use since Jan. 1, 1920.

Ser. No. 166,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PYOSEPTOL LABORATORY, Washington, D. C. Filed July 14, 1922.

PYOSEPTOL

Particular description of goods.—Antiseptic Ipecac Wash for the Treatment and Prevention of Pyorrhea.
Claims use since June 15, 1922.

Ser. No. 167,045. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HYGEIA NURSING BOTTLE CO. INC., Buffalo, N. Y. Filed July 18, 1922.

WHEAT-EAT

Particular description of goods.—Candy.
Claims use since July 11, 1922.

Ser. No. 167,100. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) I. ROKEACH & SONS, INC., Brooklyn, N. Y. Filed July 19, 1922.



The applicant disclaims as a part of the mark the printed word appearing on the drawing which is descriptive of the goods.
Particular description of goods.—Soaps.
Claims use since February, 1911.

Ser. No. 168,295. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURDAN BROS., Pottstown and Lebanon, Pa. Filed Aug. 16, 1922.



The mark shows the representation of a keystone having on it the representation of an ice-cream tub with two red stripes, four white stripes, and two green stripes extending around the tub.
Particular description of goods.—Raw and Condensed Milk, Raw and Condensed Cream, Ice Cream, and Cheese.
Claims use since 1899.

Ser. No. 168,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROB'T L. EBY CO., Lebanon, Pa. Filed Aug. 25, 1922.



"Sugar Cured Dried Beef Roll" is disclaimed apart from the other features of the mark.
Particular description of goods.—Sugar-Cured Dried-Beef Roll.
Claims use since June 3, 1922.

Ser. No. 168,947. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SPARTAN RUBBER CO., Trenton and Yardville, N. J. Filed Aug. 31, 1922.

Spartan ARMOR THREAD Cord

No claim is made to the words "Armor Thread Cord" apart from the mark shown on the drawing.

Particular description of goods.—Rubber Tires for Automobiles.

Claims use since about May 12, 1922.

Ser. No. 169,392. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEMENT-REA CO., INC., Terre Haute, Ind. Filed Sept. 13, 1922.



Particular description of goods.—Canned String Beans, Canned Tomatoes, Canned Sauerkraut, Canned Pumpkin, Canned Hominy, Canned Cherries, Canned Red Beans, Canned Evaporated Milk, Canned Red Kidney Beans, Canned Corn, Canned Pork and Beans, Canned Peaches, Canned Salmon, and Vinegar.

Claims use since Jan. 1, 1883.

Ser. No. 169,559. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PUHL-WEBB COMPANY, Chicago, Ill. Filed Sept. 16, 1922.

Thomas J. Webb

The name appearing on the mark is the signature of Mr. Thomas J. Webb, a member of the Puhl-Webb Company.

Particular description of goods.—Coffee and Tea.

Claims use since Nov. 20, 1917.

Ser. No. 170,430. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE FOX FURNACE COMPANY, Elyria, Ohio. Filed Oct. 7, 1922.



Particular description of goods.—Hot-Air Furnaces for Heating Purposes.

Claims use since Feb. 3, 1922.

Ser. No. 170,657. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MACKIE & BARNES, INC., Seattle, Wash. Filed Oct. 12, 1922.



Particular description of goods.—Logs and Cants.

Claims use since Mar. 1, 1922.

Ser. No. 171,956. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAY MOTOR COMPANY, Detroit, Mich. Filed Nov. 13, 1922.

Ray

Particular description of goods.—Internal-Combustion Engines and their Parts.

Claims use since Feb. 15, 1922.

Ser. No. 172,234. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARKT & HAMMACHER COMPANY, New York, N. Y. Filed Nov. 18, 1922.

UNIQUE

Particular description of goods.—Hammers, Hatchets, Bits, Saws, Borer Bits, Gimlets, Planes, Chisels, Augers, Screw Drivers, Bit Braces, Files, Hand Drills, Pliers, Axes, Hack-Saw Frames, Vises, Glass Cutters, Nail Sets, Drawing Knives.

Claims use since 1914.

Ser. No. 172,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDOUARD DE WOLF HARRINGTON, Baltimore, Md. Filed Nov. 22, 1922.



The words "Sparrows Point, Maryland," form no part of the mark as shown.

Particular description of goods.—Dairy Products—Namely, Ice Cream, Milk, Butter, Cheese, Cream.

Claims use since Jan. 15, 1922.

Ser. No. 172,414. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRIGGS & STRATTON COMPANY, Milwaukee, Wis. Filed Nov. 23, 1922.

A BASCO PRODUCT

The vertical lines on the diamond-shaped figure are intended to indicate shading. No claim is made to the words "A Product" apart from the mark shown in the drawing.

Particular description of goods.—Electric Equipment for Gasoline and Electric Motor Cars, Motor Boats, and Gasoline Engines, Consisting of Ignition Timers, Ignition Switches, Lighting Switches, Igniters, Reverse-Current Cut-Outs, Starting Switches, Master Vibrators, and Dynamo Regulators; Radio Apparatus—Namely, Detectors, Tuners, Receivers, Amplifiers, Rheostats, Condensers, Audion-Tube Sockets, Variable Air Condensers, Grid Condensers and Leaks, Telephone Condensers, Telephone Head Sets, Crystal Mountings, Variocouplers, Transformers, Ticklers, Binder Posts, Switches and Switch Parts; Automobile Electric Horns.

Claims use since April, 1922.

Ser. No. 172,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HANS BUHLMANN, doing business as Buhlmann & Co., Grosshochstetten, Switzerland. Filed Nov. 23, 1922.



Particular description of goods.—Cheese.

Claims use since January, 1922.

Ser. No. 172,446. (CLASS 39. CLOTHING.) SKYSCRAPER OVERALL COMPANY, Boston, Mass. Filed Nov. 23, 1922.

SKYSCRAPER

Particular description of goods.—Overalls, Unionalls, Jackets, Pants, Work Suits, Long Dusters, and Auto Coats.

Claims use since July 24, 1918.

Ser. No. 172,976. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONSOLIDATED CAR-HEATING COMPANY, Albany, N. Y. Filed Dec. 6, 1922.

CONSOL

Particular description of goods.—Electric Heaters for Cars, Houses, and the Like.

Claims use since Oct. 1, 1922.

Ser. No. 173,374. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE WESTERN SPORTING GOODS MFG. CO., Chicago, Ill. Filed Dec. 15, 1922.

SAFEHIDE

Particular description of goods.—Body-Protecting Pads for Athletes for Protecting the Hips, Waist, Spine, and Legs.
Claims use since Aug. 18, 1922.

Ser. No. 173,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 15, 1922.



The mark comprises a design having the sectors, the adjacent ones of which are of contrasting colors, in this case indicated on the drawings as red and white, and having the center circular area likewise of a contrasting color, in this case, indicated on the drawing as blue.
Particular description of goods.—Flour Made from Wheat.
Claims use since on or about Aug. 8, 1922.

Ser. No. 174,151. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM RADCLIFFE, doing business as W. Radcliffe & Co., Wheeling, W. Va. Filed Jan. 3, 1923.

WINET

Particular description of goods.—Nonalcoholic Compound Concentrated Maltless Sirup for Beverage Purposes.
Claims use since Mar. 19, 1922.

Ser. No. 175,137. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WILLIAM B. DURGIN CO., Concord, N. H. Filed Jan. 26, 1923.

"FAIRFAX"

Particular description of goods.—Solid-Silver Tableware.
Claims use since July, 1922.

Ser. No. 175,495. (CLASS 39. CLOTHING.) LOUIS JAFFE, doing business as Eli-Jay Middy Company, New York, N. Y. Filed Feb. 3, 1923.

REG-LATION

Particular description of goods.—Garments for Ladies, Misses, and Children—Namely, Middy Blouses, Bloomers, Knickers, Dresses, and Hiking Outfits Consisting of Knickerbockers, Skirts, and Blouses.
Claims use since Dec. 28, 1922.

Ser. No. 175,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX PINKUS, doing business as John Price & Co., Philadelphia, Pa. Filed Feb. 8, 1923.



Particular description of goods.—Bottled Horse-Radish, Bottled Mixed Pickles, Bottled Sour Pickles, Bottled Olives, Bottled Sweet Pickles, Bottled Chili Sauce, Olive Oil in Bottles and Cans, Canned Asparagus Tips, Canned Sweet Corn, Canned Tomatoes, Canned Peas, Canned Evaporated Milk, Canned Tunny Fish, Canned Succotash, Canned Shrimp (Fish), Canned Pumpkin, Canned Spinach, Canned Beets, Bottled Tomato Catchup, Bottled Mustard, Canned Relish, Bottled Salad Dressing, Bottled Peanut Butter, Bottled Onions, Canned Lima Beans, Canned Shelled Beans, Bottled Chowchow, Bottled and Canned Honey, Boxed Rolled Oats, Noodles in Boxes, Spaghetti in Boxes, Macaroni in Boxes, Mincemeat in Cans, Rice in Boxes and Cans, and Bottled Vinegar.
Claims use since Mar. 25, 1897.

Ser. No. 175,825. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES WEST, Balston Spa, N. Y. Filed Feb. 9, 1923.

GOOD—LUCK

Particular description of goods.—Supports for Hernia Trusses.
Claims use since prior to May 3, 1919.

Ser. No. 175,846. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE CASTLEBERG NATIONAL JEWELRY COMPANY, INC., Baltimore, Md. Filed Feb. 10, 1923.

DIRECTOR

Particular description of goods.—Watch Movements.
Claims use since Jan. 1, 1923.

Ser. No. 175,847. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE CASTLEBERG NATIONAL JEWELRY COMPANY, INC., Baltimore, Md. Filed Feb. 10, 1923.

CONGRESSIONAL

Particular description of goods.—Watch Movements.
Claims use since Jan. 1, 1923.

Ser. No. 176,371. (CLASS 17. TOBACCO PRODUCTS.) GEORGE R. TOLEDANO, New Orleans, La. Filed Feb. 20, 1923.

EL ARISTO

Particular description of goods.—Cigars.
Claims use since Jan. 15, 1923.

Ser. No. 178,203. (CLASS 37. PAPER AND STATIONERY.) ROBERT T. POLLOCK, doing business as Pollock Pen Company, Boston, Mass. Filed Mar. 24, 1923.



Disclaimer is made of the pen apart from the mark as shown in the accompanying drawing. The mark is applied or affixed to the goods by inlaying or imposing a green or jade band on the black body of a pen adjacent to but spaced from one end of the pen, the band being placed on the barrel portion part of pen rather than on the cap part of the pen.
Particular description of goods.—Pencils and Fountain Pens of All Kinds.
Claims use since Sept. 28, 1921.

Ser. No. 181,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWARZ & SON, Newark, N. J. Filed May 26, 1923.



No rights to registration of the words "Turkish Chewing Taffy" being claimed apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since Oct. 7, 1922.

Ser. No. 181,436. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed June 1, 1923.

HEARTHSTONE

Particular description of goods.—Sheeting.
Claims use since May 15, 1923.

Ser. No. 181,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PARRY VEGETABLE COMPOUND CO., Mansfield, Ohio. Filed June 9, 1923.

PARRY'S



Leonard L Parry

The name of the individual whose portrait appears on the drawing is Leonard L. Parry, also the signature is that of same party.
Particular description of goods.—Vegetable Compound for the Elimination of Poisonous Accumulation in the Alimentary Tract, Herb Tea for Colds, Also Used as a Laxative for Constipation, Biliousness, and Sick Headache, Cathartic Pill, and a Tonic and System Regulator.
Claims use since Oct. 1, 1922.

Ser. No. 181,812. (CLASS 39. CLOTHING.) STUART J. BEEBE, doing business as Richmond Glove Co., Richmond, Ind. Filed June 11, 1923.



Particular description of goods.—Gloves of Fabric, Leather, or Combination of Fabric and Leather.
Claims use since Jan. 5, 1923.

Ser. No. 182,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. CASHMERE FRUIT GROWERS UNION, Cashmere, Wash. Filed June 29, 1923.

BLUE STAR

Particular description of goods.—Fresh Apples.
Claims use since 1912.

Ser. No. 183,222. (CLASS 39. CLOTHING.) THE MOCH, BERMAN CO., Cincinnati, Ohio. Filed July 14, 1923.

MASTER CRAFT

Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since July 1, 1923.

Ser. No. 183,295. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed July 16, 1923.

PACEMAKER

Particular description of goods.—Men's and Children's Shoes of Leather.
Claims use since 1900.

Ser. No. 183,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY FAGGIO DE VITO, Brooklyn, N. Y. Filed July 19, 1923.



The portrait shown in the drawing is an imaginary picture and does not represent any living person.
Particular description of goods.—Hair Dye.
Claims use since May 1, 1923.

Ser. No. 183,683. (CLASS 25. LOCKS AND SAFES.) WOLVERINE METAL SPECIALTIES CO., Grand Rapids, Mich. Filed July 25, 1923.

Loxcite

Particular description of goods.—Locking Caps for Radiators of Automobiles.
Claims use since June 21, 1923.

Ser. No. 184,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed Aug. 4, 1923.

ORANGE CREST

Particular description of goods.—Concentrated General Flavoring for Bakers' and Household Use in Foods Such as Cakes, Pies, Desserts, Puddings, Ice Creams, and Pastry.
Claims use since May 15, 1923.

Ser. No. 184,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed Aug. 4, 1923.

ONLIVAN

Particular description of goods.—Concentrated Imitation Vanilla Flavoring for Foods Such as Cakes, Pastry, Puddings, Desserts, and Candy.
Claims use since July 1, 1923.

Ser. No. 184,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. WEBER & COMPANY, Chicago, Ill. Filed Aug. 4, 1923.

KITCHENETTE

Particular description of goods.—Canned Fruits and Berries—Namely, Apricots, Peaches, Prunes, Pineapples, Strawberries, Raspberries, Blackberries, Loganberries, Cherries; Canned Vegetables—Namely, Beets, Lima Beans, Kidney Beans, Wax Beans, Refugee Beans, Corn, Succotash, Tomatoes, Peas, Asparagus; Canned Pork and Beans with Tomato Sauce; Canned Fish—Namely, Salmon, Tunny, Canned Shrimp, Canned Lobster; Clam Chowder, Canned Fruit Salad, Spaghetti, and Evaporated Milk.
Claims use since May 14, 1923.

Ser. No. 184,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMT & CO., Greenfield Center, N. Y. Filed Aug. 7, 1923.

ROMANAISE

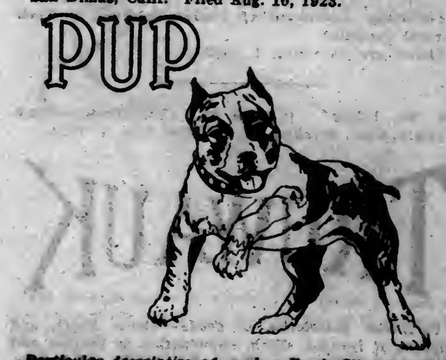
The mark consists of the word "Romanaise."
Particular description of goods.—Sauce Adapted for Use on Meats, Fish, and Vegetables or as a Dressing for Salads, Spaghetti, Macaroni, and Rice or as a Flavoring for Soups and Gravies.
Claims use since July 23, 1923.

Ser. No. 184,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN DIMAS LEMON ASSOCIATION, San Dimas, Calif. Filed Aug. 10, 1923.



Particular description of goods.—Fresh Citrous Fruits.
Claims use since Jan. 3, 1906.

Ser. No. 184,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN DIMAS LEMON ASSOCIATION, San Dimas, Calif. Filed Aug. 10, 1923.



Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 12, 1910.

Ser. No. 184,456. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peter's Shoe Company, St. Louis, Mo. Filed Aug. 14, 1923.

Protector

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1908.

Ser. No. 184,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOYO FISHERIES CO., INC., Wilmington, Calif. Filed Aug. 14, 1923.

TEA HOUSE

Particular description of goods.—Chow Mein (a Chinese Delicacy Consisting Principally of Noodles, Vegetables and Meat) in Cans, Chop Suey in Cans.
Claims use since Jan. 1, 1903.

Ser. No. 184,593. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Aug. 17, 1923



Particular description of goods.—Men's Leather Shoes.
Claims use since about January, 1923.

Ser. No. 184,694. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPERBA PACKING CO., San Francisco, Calif. Filed Aug. 18, 1923.

SUPERBA



Particular description of goods.—Canned Ravioli, Canned Spaghetti, and Canned Mushroom Gravy.
Claims use since Sept. 1, 1919.

Ser. No. 184,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ANTHONY CANDY COMPANY, Greenville, Ohio. Filed Aug. 20, 1923.



Particular description of goods.—Bar Candy.
Claims use since May 10, 1923.

Ser. No. 184,713. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLUMBIA GRAPHOPHONE MANUFACTURING COMPANY, Bridgeport, Conn. Filed Aug. 20, 1923. Under section 5 b, act of 1905, as amended 1920.

COLUMBIA

Particular description of goods.—Radio Receiving, Detecting, and Transmitting Sets and Parts Thereof; Crystal Receiving Sets, Regenerative Receiving Sets, Radio and Radiofrequency Amplifiers, Loud Speakers, Detector, Amplifier, Transmitting, and Rectifying Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audiofrequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since on or about Feb. 1, 1922.

Ser. No. 184,776. (CLASS 39. CLOTHING.) WICHSER, INC., New York and Brooklyn, N. Y. Filed Aug. 20, 1923.

NU-WAY SHOE

No claim is made to the exclusive use of the word "Shoe" apart from the mark as shown.
Particular description of goods.—Ladies' Shoes and Slippers of Leather and Fabric or Combinations of Same.
Claims use since Dec. 14, 1922.

Ser. No. 184,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEAL-BURROW DRY GOODS CO., Little Rock, Ark. Filed Aug. 25, 1923.

LEATHER

Consists of the word "Leather."
Particular description of goods.—Undyed and Unbleached Brown Sheeting.
Claims use since June 5, 1922.

Ser. No. 184,981. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE NEW HAVEN CLOCK CO., New Haven, Conn. Filed Aug. 25, 1923.

Tidy-Tot

Particular description of goods.—Clocks.
Claims use since Aug. 17, 1923.

Ser. No. 184,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRU-BLU BISCUIT COMPANY, also doing business as Krause's, Spokane, Wash. Filed Aug. 25, 1923.

NOTEWORTHY

Particular description of goods.—Candy.
Claims use since June 11, 1923.

Ser. No. 185,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARMERS CO-OPERATIVE MARKETING ASSOCIATION, East Grand Forks, Minn. Filed Aug. 31, 1923.

SQUARE DEAL

Particular description of goods.—Potatoes in Their Natural Condition.
Claims use since Mar. 1, 1922.

Ser. No. 185,497. (CLASS 39. CLOTHING.) BENJAMIN ROSS, Brooklyn, N. Y. Filed Sept. 7, 1923.

TRUWAUK

Particular description of goods.—Shoes, Boots, and Slippers of Leather, Cloth, Combination of Leather and Cloth, and Combination of Leather, Cloth, and Rubber.
Claims use since Aug. 15, 1922.

Ser. No. 185,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS CO., Portland, Oreg. Filed Sept. 10, 1923.

CHIEF MULTNOMAH

Particular description of goods.—Canned and Dehydrated Fruits and Berries.
Claims use since Feb. 17, 1923.

Ser. No. 185,598. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS CO., Portland, Oreg. Filed Sept. 10, 1923.

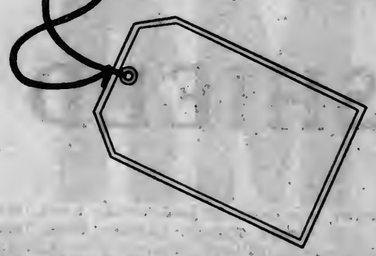
RED TAG



The representation of a tag colored red forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned and Dehydrated Fruits and Berries.
Claims use since Feb. 17, 1923.

Ser. No. 185,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS CO., Portland, Oreg. Filed Sept. 10, 1923.

WHITE TAG



The representation of a white tag forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned and Dehydrated Fruits and Berries.
Claims use since Feb. 17, 1923.

Ser. No. 185,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEN H. ARKELIAN & CO., Fresno, Calif. Filed Sept. 11, 1923.

Mission Bell

Particular description of goods.—Cantaloupes and Fresh Grapes.
Claims use since about July, 1911.

Ser. No. 185,662. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LELAND COAL MINING COMPANY, doing business as Old Forge Smithing Coal Company, New York, N. Y. Filed Sept. 11, 1923.



Particular description of goods.—Coal.
Claims use since 1915.

Ser. No. 185,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEHACHAPI FRUIT GROWERS ASS'N., Tehachapi, Calif. Filed Sept. 11, 1923.

T-hacha-P

Particular description of goods.—Fresh Deciduous Fruits—Namely, Fresh Pears and Apples.
Claims use since Aug. 24, 1922.

Ser. No. 185,755. (CLASS 39. CLOTHING.) GOLDOFT SHOE COMPANY, El Paso, Tex. Filed Sept. 13, 1923.

Walkington

Particular description of goods.—Leather Shoes.
Claims use since February, 1922.

Ser. No. 185,757. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KITAUTO COMPANY, Providence, R. I. Filed Sept. 13, 1923.

Kitauto

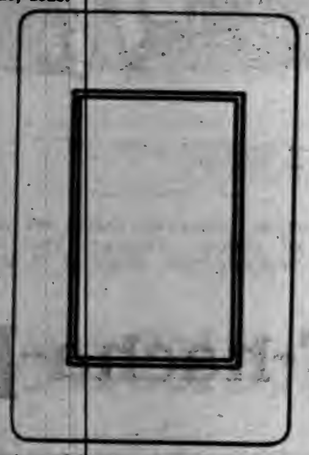
Particular description of goods.—Emergency Axles for Automobiles.
Claims use since Aug. 18, 1923.

Ser. No. 185,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. A. FERRIS & CO. INC., New York, N. Y. Filed Sept. 17, 1923.

Grill Room

Particular description of goods.—Bacon.
Claims use since Aug. 20, 1923.

Ser. No. 185,996. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Sept. 20, 1923.



The mark consists of a substantially rectangular arbitrarily-colored frame as distinguished from an ordinary black border line as frequently used on playing cards. This colored frame, which is shaped to conform to the shape of the card, is arbitrarily placed on the face side of each card at a considerable distance from its edges, as shown in the drawing. The space within said frame, containing the designating faces and index spots, occupies a considerably smaller proportion of the card than the proportion conventionally occupied by the designating faces and index spots. The space outside the said frame contains the relatively large index numbers and index spots. The drawing is lined to indicate contrasting color, not to indicate any particular color. No claim is made to the representation of the playing card apart from the mark shown.

Particular description of goods.—Playing Cards.
Claims use since about Apr. 27, 1895.

Ser. No. 186,075. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

Particular description of goods.—Black Steel Sheets, Auto Sheets, Blue Steel Sheets, Galvanized Steel Sheets, Terne Plates, Continuous Roofing Terne Plates, Long Terne Sheets, Bright Coke Tin Plates, Bright Charcoal Tin Plates, Strip Steel, Solder, Copper Sheets.
Claims use since about October, 1905.

Ser. No. 186,076. (CLASS 2. RECEPTACLES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

SHIELD

Particular description of goods.—Cash Boxes, Bread Boxes, Cake Closets, Buckets, Chamber Pails, Dinner Pails, Water Pails, Oil Cans, Creamery Pails, Sprinkling Pots, Sugar Boxes, Pantry Boxes, Tea and Coffee Canisters, Flour Cans, Bond Boxes, Lunch Boxes, Coal Hods, Metal Baskets, Well Buckets, Ash Cans, Waste Cans, Garbage Cans, Gasoline Cans, Fire Pails, Cement Pails, Sirup Cans, Sap Pails, Oil Tanks.
Claims use since about Sept. 2, 1922.

Ser. No. 186,077. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

Particular description of goods.—Black Steel Sheets, Auto Sheets, Blue Steel Sheets, Galvanized Steel Sheets, Terne Plates, Continuous Roofing Terne Plates, Long Terne Sheets, Bright Coke Tin Plates, Bright Charcoal Tin Plates, Strip Steel, Solder, Copper Sheets.
Claims use since about October, 1905.

Ser. No. 186,078. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

SHIELD

Particular description of goods.—Black Steel Sheets, Auto Sheets, Blue Steel Sheets, Galvanized Steel Sheets, Terne Plates, Continuous Roofing Terne Plates, Long Terne Sheets, Bright Coke Tin Plates, Bright Charcoal Tin Plates, Strip Steel, Solder, Copper Sheets.
Claims use since about Sept. 2, 1922.

Ser. No. 186,082. (CLASS 2. RECEPTACLES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

Particular description of goods.—Cash Boxes, Bread Boxes, Cake Closets, Buckets, Chamber Pails, Dinner Pails, Water Pails, Oil Cans, Creamery Pails, Sprinkling Pots, Sugar Boxes, Pantry Boxes, Tea and Coffee Canisters, Flour Cans, Bond Boxes, Lunch Boxes, Coal Hods, Metal Baskets, Well Buckets, Ash Cans, Waste Cans, Garbage Cans, Gasoline Cans, Fire Pails, Cement Pails, Sirup Cans, Sap Pails, Oil Tanks.
Claims use since about October, 1905.

Ser. No. 186,083. (CLASS 2. RECEPTACLES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

Particular description of goods.—Cash Boxes, Bread Boxes, Cake Closets, Buckets, Chamber Pails, Dinner Pails, Water Pails, Oil Cans, Creamery Pails, Sprinkling Pots, Sugar Boxes, Pantry Boxes, Tea and Coffee Canisters, Flour Cans, Bond Boxes, Lunch Boxes, Coal Hods, Metal Baskets, Well Buckets, Ash Cans, Waste Cans, Garbage Cans, Gasoline Cans, Fire Pails, Cement Pails, Sirup Cans, Sap Pails, Oil Tanks.
Claims use since about October, 1905.

Ser. No. 186,310. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAX ZEILER, Berlin-Treptow, Germany. Filed Sept. 27, 1923.

Gallaphos

Particular description of goods.—Galvanic Cells, Dry Cells, Dry Batteries, Refill Batteries, Refill Cells, and Pocket Lamps and Parts of All These Manufactures.
Claims use since Feb. 14, 1923.

Ser. No. 186,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMER O. EVANS, doing business as The Ton-Ka Co., Osceola, Mo. Filed Oct. 4, 1923.

TON-KA

Particular description of goods.—Blood Purifier.
Claims use since June 11, 1923.

Ser. No. 186,591. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) 4 V BLACK TONGUE COMPANY, Greenville, Miss. Filed Oct. 5, 1923.



Particular description of goods.—Medicines for Use in the Treatment of Dogs for Black Tongue, Worms, Running Fits, Distemper, Mange, Auricular Catarrh, and Laxative Tablets.
Claims use since about July 1, 1923.

Ser. No. 186,707. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES S. HENSHAW, Boston, Mass. Filed Oct. 8, 1923.



Particular description of goods.—Automobile Polish.
Claims use since June 1, 1923.

Ser. No. 186,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA DECIDUOUS FRUIT COMPANIES, Sacramento, Calif. Filed Oct. 12, 1923.



Particular description of goods.—Fresh Deciduous Fruits—Namely, Cherries, Peaches, Plums, Pears, Persimmons, Quinces, and Grapes.
Claims use since July, 1923.

Ser. No. 186,921. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed Oct. 12, 1923.



Trade-mark "38 Alundum."
Particular description of goods.—Abrasive Products—Namely, Polishing Grain, Sharpening and Abrading Stones, and Grinding, Polishing, and Cutting Wheels.
Claims use since July 28, 1923.

Ser. No. 186,922. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed Oct. 12, 1923.



Trade-mark "66 Alundum."
Particular description of goods.—Abrasive Products—Namely, Polishing Grain, Sharpening and Abrading Stones, and Grinding, Polishing, and Cutting Wheels.
Claims use since July 28, 1923.

Ser. No. 187,072. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BENJAMIN G. WALLACE, Seaside, Oreg. Filed Oct. 16, 1923.



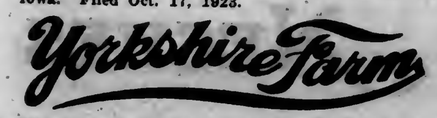
Applicant disclaims the word "Polish" apart from the mark shown on the drawing.
Particular description of goods.—Shoe Polish.
Claims use since Apr. 16, 1922.

Ser. No. 187,078. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PETER E. BARNETT, doing business as Globe Fizz Products Company, Chicago, Ill. Filed Oct. 17, 1923.



Particular description of goods.—Maltless Artificial Grape Beverage Sold as Soft Drinks and Sirups for Making the Same.
Claims use since May 1, 1916.

Ser. No. 187,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & CO., Ottumwa, Iowa. Filed Oct. 17, 1923.



Particular description of goods.—Evaporated Milk, Canned Pork and Beans, Canned Peas, Canned Hominy, Canned Sauerkraut, Canned Pumpkin, Canned Tomatoes, Canned Corn, and Peanut Butter.
Claims use on evaporated milk since Oct. 18, 1921; on canned pork and beans since May 29, 1922; on canned peas since Sept. 11, 1922; on canned hominy since June 27, 1923; on canned sauerkraut since Oct. 30, 1922; on canned pumpkin since June 27, 1923; on canned tomatoes since Oct. 16, 1922; on canned corn since Sept. 25, 1922; on peanut butter since Apr. 25, 1923.

Ser. No. 187,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMA CHOCOLATE COMPANY, INC., Brooklyn, N. Y. Filed Oct. 17, 1923.



No claim is made for the representation of the goods apart from the mark shown.
Particular description of goods.—Chocolate.
Claims use since Apr. 15, 1923.

Ser. No. 187,172. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROVA RADIO PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 18, 1923.



Particular description of goods.—Radio Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Plugs, Potentiometers, Panels, Sockets, Sets, Transformers, Dials, Crystals, and Mounting Boards.
Claims use since Aug. 25, 1923.

Ser. No. 187,173. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROVA RADIO PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 18, 1923.



Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, "B" Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Plugs, Potentiometers, Panels, Sockets, Sets, Transformers, Dials, Crystals, and Mounting Boards.
Claims use since May, 1922.

Ser. No. 187,176. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SERVICE RADIO CORPORATION, New York, N. Y. Filed Oct. 18, 1923.



Particular description of goods.—Radio Outfits, Devices, and Accessories—Namely, Loud Speakers, Head Sets, Variable Condensers, "B" Batteries, Variocouplers, Rheostats, Variometers, Aerial Equipment, Battery Chargers, Jacks and Jack Switches, Lightning Arresters, Plugs, Potentiometers, Panels, Sockets, Sets, Transformers, Dials, Crystals, and Mounting Boards.
Claims use since Aug. 15, 1923.

Ser. No. 187,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass. Filed Oct. 19, 1923.

Eastern States

Particular description of goods.—Feed for Cattle and Poultry.
Claims use since Aug. 1, 1923.

Ser. No. 187,244. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO. INC., Philadelphia, Pa. Filed Oct. 20, 1923.

MANOLA

Particular description of goods.—Worsted and Woolen Dress Goods Manufactured in the Piece.
Claims use since Mar. 22, 1923.

Ser. No. 187,253. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Oct. 20, 1923.

ORCHARD

Particular description of goods.—Insecticides and Fungicides.
Claims use since Apr. 1, 1908.

Ser. No. 187,354. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SIDNEY MACHINE TOOL COMPANY, Sidney, Ohio. Filed Oct. 22, 1923.

JUNIOR

Particular description of goods.—Universal Woodworking Machines.
Claims use since 1911.

Ser. No. 187,446. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILJO U. ALASTALO, New York, N. Y. Filed Oct. 25, 1923.

"XTENDO"

Particular description of goods.—Gymnasium Apparatus—Namely, Dumb-Bells, Hand Bars, Indian Clubs, Throwing Weights, Throwing Hammers, Horizontal Bars, Rings, Head Exerciser, Foot Exerciser.
Claims use since about Sept. 14, 1923.

Ser. No. 187,496. (CLASS 37. PAPER AND STATIONERY.) E. SEAFIR & SON COMPANY, Beaumont, Tex. Filed Oct. 25, 1923.

QUEEN OF THE NECHES

Particular description of goods.—Pencils, Penholders and Pens; Paper Clips, Pins, and Fasteners; Files, File Folders, Indexes, and Filing Systems; Desk Calendars; Ordering Books, Sales Books, Memorandum Books, Cash Books, Journals (Bound and Loose Leaf), and All Other Account Books; Punches, Stamp Racks, Stick Files, Hook Files, Paper Eyelets, Pencil Sharpeners, Blotters and Blotting Materials; Drawing and Architectural Papers, Including Tracing Cloths; Stationery Bradding Machines, Paper Weights, Stamping Devices, Sealing Wax; Box, Bound, and Tablet Stationery; Envelopes, Mailing Folders; School Stationery and Supplies, Including Tablets, Composition Books, Spelling Blanks, Pencil and Ink Erasers and Eradicators, Pencil Leads, Crayons, Chalk, and Other Similar Marking Crayons.
Claims use since 1913.

Ser. No. 187,517. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HANNES GREEN, doing business as Green Toy Works, Racine, Wis. Filed Oct. 26, 1923.

America's Best Toys

The words "America's Best Toys" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Toy Tool Boxes, Toy Trunks, Toy Wardrobes, and Toy Davenports.
Claims use since Mar. 11, 1921.

Ser. No. 187,580. (CLASS 39. CLOTHING.) CHAS. A. GROSVENOR, doing business as C. A. Grosvenor Shoe Company, Worcester, Mass. Filed Oct. 27, 1923.



The lining on the drawing represents no particular color, but indicates contrasting colors.
Particular description of goods.—Leather, Fabric, and Felt Slippers.
Claims use since Sept. 24, 1923.

Ser. No. 187,683. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MARKS LISSBERGER & SON, INC., Long Island City, N. Y. Filed Oct. 30, 1923. Under ten-year proviso.

BEST

Particular description of goods.—Babbitt Metal.
Claims use since 1883.

Ser. No. 187,694. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROVA RADIO PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 30, 1923.

"Long 45"

Particular description of goods.—Tuners, Phones, Condensers, and Parts Thereof.
Claims use since Oct. 15, 1923.

Ser. No. 187,816. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Nov. 1, 1923.

GOOD AS WHEAT

Particular description of goods.—Men's Shoes of Leather.
Claims use since 1913.

Ser. No. 187,826. (CLASS 17. TOBACCO PRODUCTS.) VICTOR LEVOR, Attica, Ind. Filed Nov. 1, 1923.

PAUL DRESSER

The name "Paul Dresser" used as a trade-mark is that of the author and composer now deceased.
Particular description of goods.—Cigars.
Claims use since May, 1899.

Ser. No. 187,843. (CLASS 38. PRINTS AND PUBLICATIONS.) THE APEX ELECTRICAL MANUFACTURING COMPANY, and also doing business as The Apex Electrical Distributing Company, Cleveland, Ohio. Filed Nov. 2, 1923.

Apex RETAREX
HOUR GLASS

Particular description of goods.—Monthly Publications.
Claims use since Sept. 1, 1923.

Ser. No. 187,960. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER JOHNSON CANDY COMPANY, Chicago, Ill. Filed Nov. 3, 1923.

OLD NICK
FOR A NICKLE

No claim is made for the phrase "For a Nickle" apart from the mark as shown on the drawing, no disclaimer being made to any common-law rights.
Particular description of goods.—Candy.
Claims use since Oct. 30, 1923.

Ser. No. 187,977. (CLASS 39. CLOTHING.) ABE N. ADELSON, New York, N. Y. Filed Nov. 5, 1923.



The lining on the drawing is for shading only.
Particular description of goods.—Women's Hats.
Claims use since Oct. 19, 1923.

Ser. No. 187,978. (CLASS 39. CLOTHING.) ABE N. ADELSON, New York, N. Y. Filed Nov. 5, 1923.



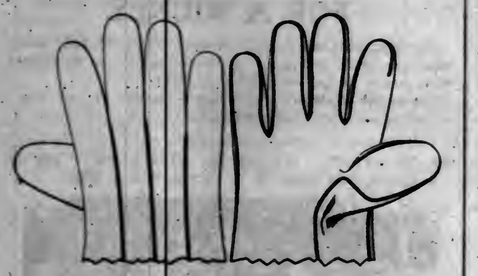
The lining on the drawing is for shading only.
Particular description of goods.—Women's Hats.
Claims use since Oct. 19, 1923.

Ser. No. 188,062. (CLASS 39. CLOTHING.) PERLMUTTER MITTELMAN CO., New York, N. Y. Filed Nov. 6, 1923.



Particular description of goods.—Dresses.
Claims use since July 15, 1923.

Ser. No. 188,108. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENRATH COMPANY, Chicago, Ill. Filed Nov. 8, 1923.



No claim of exclusive right is made to the representation of the glove. The mark consists of a welt arbitrarily colored green.
Particular description of goods.—Gloves, Gauntlets, and Mittens.
Claims use since Oct. 18, 1923.

Ser. No. 188,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEDALIA CANDY COMPANY, Sedalia, Mo. Filed Nov. 8, 1923.



The "5¢" appearing in the drawing is disclaimed apart from the other features of the mark.
Particular description of goods.—Candies Other Than Nut Bars.
Claims use since Oct. 19, 1923.

Ser. No. 188,163. (CLASS 33. GLASSWARE.) JOSHUA M. RICHARDS, South Boston, Mass. Filed Nov. 9, 1923.

WAFFLE

Particular description of goods.—Structural Glass.
Claims use since Nov. 3, 1923.

Ser. No. 188,196. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FYRAC MANUFACTURING CO., Rockford, Ill. Filed Nov. 10, 1923.

FYRAC

The mark consists of the word "Fyrac."
Particular description of goods.—Head Lamps, Vehicle Lamps, and Spotlights.
Claims use since May 3, 1923.

Ser. No. 188,283. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. F. WAY COMPANY INC., Hartford and East Hartford, Conn. Filed Nov. 13, 1923.



Particular description of goods.—Electric Drills and Electrically-Operated Punch Presses.
Claims use since Oct. 13, 1922.

Ser. No. 188,308. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) E. O. HOWLE, Richmond, Va. Filed Nov. 14, 1923.

Heatalova

Particular description of goods.—Coal and Wood Heaters and Furnaces.
Claims use since January, 1919.

Ser. No. 188,309. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) E. O. HOWLE, Richmond, Va. Filed Nov. 14, 1923.

Warmalova

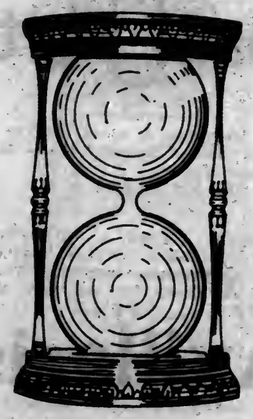
Particular description of goods.—Coal and Wood Heaters and Furnaces.
Claims use since January, 1919.

Ser. No. 188,357. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. C. ATKINS & COMPANY, Indianapolis, Ind. Filed Nov. 15, 1923.

AAA

Particular description of goods.—Saws, Saw Swages, Saw-Fitting Tools, Machine Knives, Circular Knives, Grass Hooks, Ditch-Bank Cutters, Saw Handles, Saw Vises, Plastering Trowels, Scrapers, Corn Knives, Cane Knives, and Beet-Topping Knives.
Claims use since November, 1908.

Ser. No. 188,519. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.



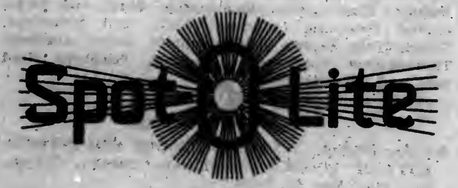
Particular description of goods.—Clothes Ironing and Washing Machines.
Claims use since Apr. 1, 1923.

Ser. No. 188,542. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BEN FRANKLIN RADIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.

MICADENSER

Particular description of goods.—Electrical Condensers.
Claims use since Oct. 5, 1923.

Ser. No. 188,569. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REFLECTOR & ILLUMINATING CO., Chicago, Ill. Filed Nov. 19, 1923.



Particular description of goods.—Electric Lamps for Projecting Concentrated Beams of Light—Namely, Flood Lights and Spotlights.
Claims use since May 8, 1922.

Ser. No. 188,570. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REFLECTOR & ILLUMINATING CO., Chicago, Ill. Filed Nov. 19, 1923.

Flood Lite

Particular description of goods.—Electric Lamps for Projecting Concentrated Beams of Light—Namely, Flood Lights and Spotlights.
Claims use since Apr. 18, 1921.

Ser. No. 188,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD B. CUDDY, doing business as Crown Barbers Supply Co. and Crown Co., New York, N. Y. Filed Nov. 20, 1923.

Axillaris

The mark consists of the word "Axillaris."
Particular description of goods.—Treatment of the Hair—viz, a Hair Grower.
Claims use since Dec. 1, 1903.

Ser. No. 188,606. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 20, 1923.

PACENT

Particular description of goods.—Radio Apparatus—Namely, Plugs, Jacks, Combination Plugs and Jacks, Crystal Detectors, Inductance Coils, Coil Mountings, Vacuum-Tube Sockets, Jack Adapters, Socket Adapters, Transformers, Condensers, Rheostats, Telephone Head Sets, and Potentiometers.
Claims use since May 18, 1921.

Ser. No. 188,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 21, 1923.

DELICO

Particular description of goods.—Dried Beef.
Claims use since Jan. 15, 1911.

Ser. No. 188,652. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMERICAN AMMONIA COMPANY, New York, N. Y. Filed Nov. 22, 1923.

WAGON ROUTE

Particular description of goods.—Washing, Cleaning, and Polishing Compounds.
Claims use since Sept. 8, 1923.

Ser. No. 188,736. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATMORE & SON, INC., Philadelphia, Pa. Filed Nov. 23, 1923.



The drawing is lined for color, the vertical lines indicating red, the horizontal lines indicating blue, the crossed lines indicating black, and the broken lines indicating yellow or gold color.
Particular description of goods.—Mincemeat.
Claims use since Sept. 18, 1923.

Ser. No. 188,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK A. FRAHER, San Francisco, Calif. Filed Nov. 26, 1923.

SULFENE

Particular description of goods.—Sulphur Spray Compounds.
Claims use since Nov. 9, 1923.

Ser. No. 188,914. (CLASS 38. PRINTS AND PUBLICATIONS.) THOMAS LEVISH, Chicago, Ill. Filed Nov. 26, 1923.

EXPERIENCE
THE WORLD'S GREATEST TEACHER

Particular description of goods.—Monthly Magazine.
Claims use since Nov. 1, 1923.

Ser. No. 188,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUR-VAL BOX LUNCH CO., Los Angeles, Calif. Filed Nov. 26, 1923.

SUR-VAL

Particular description of goods.—Box Lunches Comprising Sandwiches, Cakes, Pastry, and Fresh Citrons and Deciduous Fruits.
Claims use since January, 1923.

Ser. No. 189,105. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK AND COMPANY, Milwaukee, Wis. Filed Dec. 1, 1923.

Tea Summer

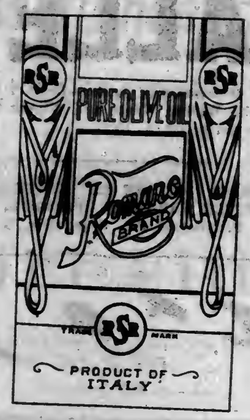
Particular description of goods.—Sausage.
Claims use since Oct. 15, 1923.

Ser. No. 189,161. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) O. D. JENNINGS & COMPANY, Chicago, Ill. Filed Dec. 3, 1923.



No claim being made to the representation of the part of the machine apart from the mark shown by the drawing, all common-law rights, however, being reserved.
Particular description of goods.—Vending Machines.
Claims use since Nov. 1, 1923.

Ser. No. 189,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TULLY ROMANO, doing business as R. Romano & Son, New York, N. Y. Filed Dec. 5, 1923.



All wording with the exception of "Romano" and "R R and S" being disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Olive Oil.
Claims use since Nov. 1, 1922.

Ser. No. 189,174. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SOUTHSIDE MALLEABLE CASTING CO., Milwaukee, Wis. Filed Dec. 3, 1923.

QUALIFIED

Particular description of goods.—Malleable Castings.
Claims use since July 31, 1923.

Ser. No. 189,186. (CLASS 33. GLASSWARE.) HENRY D'OLIER, Jr., Bridgeport, Conn. Filed Dec. 4, 1923.

DRD

Particular description of goods.—Glass Lighting Devices—Namely, Glass Inclosing or Partly-Inclosing Units Made of Opal or Case Glass for Use with Incandescent Lamps.
Claims use since about Nov. 9, 1923.

Ser. No. 189,196. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLSIDE COTTON MILLS, doing business as Valley Waste Mills, La Grange, Ga. Filed Dec. 4, 1923.

VALLEY

Particular description of goods.—Unitary Package Containing Textile Wiping Waste and Wiping Towel.
Claims use since Oct. 1, 1923.

Ser. No. 189,271. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PITTSBURG WATERPROOF COMPANY, Pittsburgh, Pa. Filed Dec. 5, 1923.



The goods shown on the drawing are disclaimed apart from the mark shown on the drawing. The mark comprises a narrow blue line between two heavier red lines.
Particular description of goods.—Duck and Other Cotton Fabrics Used for Aprons for Laundry Machines or for Covering the Rolls of Ironing Machines or Mangles, for Covering Pressing Surfaces of Laundry Presses, for Covering Ironing Boards and Collar-Ironing Surfaces, and for Other Laundry Purposes.
Claims use since Oct. 30, 1923.

Ser. No. 189,282. (CLASS 12. CONSTRUCTION MATERIALS.) B. A. TIM LUMBER COMPANY, Boston, Mass. Filed Dec. 5, 1923.

ALTAMAHARDPINE

No claim made to the word "Pine" apart from the mark shown on the drawing.
Particular description of goods.—Lumber.
Claims use since Nov. 1, 1921.

Ser. No. 189,303. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MAHLON L. ELY, Hutchinson, Kans. Filed Dec. 6, 1923.

BOYVILLE R.R.

No claim made to the letters "R. R." apart from the mark shown on the drawing.
Particular description of goods.—Toy Railway.
Claims use since Oct. 8, 1923.

Ser. No. 189,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE GREEN ESTATE, Courtland, Calif. Filed Dec. 6, 1923.

OPEN TRAIL

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears and Plums.
Claims use since July 1, 1919.

Ser. No. 189,324. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

71

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,325. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

86

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,328. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

2302

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1909.

Ser. No. 189,407. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. I. HOOD COMPANY, Kittery, Me., and New York, N. Y. Filed Dec. 8, 1923.

SARSATABS

Particular description of goods.—Alterative and Tonic Medicine in Tablet Form.
Claims use since 1910.

Ser. No. 189,417. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING CO., Minneapolis, Minn. Filed Dec. 8, 1923.

TOPS-ALL

Particular description of goods.—Wheat Flour.
Claims use since Dec. 8, 1922.

Ser. No. 189,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING CO., Minneapolis, Minn. Filed Dec. 8, 1923.



Particular description of goods.—Wheat Flour.
Claims use since Nov. 27, 1922.

Ser. No. 189,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING CO., Minneapolis, Minn. Filed Dec. 8, 1923.

Miss Minneapolis

Particular description of goods.—Wheat Flour.
Claims use since Nov. 27, 1922.

Ser. No. 189,517. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PERCY GARDNER CORPORATION, Newark, N. J. Filed Dec. 11, 1923.

Fireside

Particular description of goods.—Bias Tape.
Claims use since Sept. 17, 1923.

Ser. No. 189,559. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed Dec. 12, 1923. Under ten-year proviso.

CALHOUN

Particular description of goods.—Pencils and Wrapping Paper.
Claims use since 1881.

Ser. No. 189,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GILPIN, LANGDON & COMPANY, INCORPORATED, Baltimore, Md. Filed Dec. 12, 1923.

BLACK

I.P.

FLAG

Particular description of goods.—Liquid Insecticide.
Claims use since May 8, 1906.

Ser. No. 189,561. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENN RIVET CORPORATION, Philadelphia, Pa. Filed Dec. 12, 1923.

3more

Particular description of goods.—Ribbons in the Bolt or Wound on Reels.
Claims use since Oct. 1, 1923.

Ser. No. 189,582. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSIO-CHEMICAL LABORATORIES, INC., Salt Lake City, Utah. Filed Dec. 12, 1923.

CREAMO-AGAR

Particular description of goods.—Preparation for the Treatment of Constipation and Intestinal Stasis.
Claims use since Sept. 10, 1923.

Ser. No. 189,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY POINT PACKING COMPANY, Seattle, Wash. Filed Dec. 12, 1923.

AL-KI

Particular description of goods.—Canned Fish.
Claims use since June, 1913.

Ser. No. 189,594. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNNY POINT PACKING COMPANY, Seattle, Wash. Filed Dec. 12, 1923.

ETIQUETTE

Particular description of goods.—Canned Fish.
Claims use since June, 1917.

Ser. No. 189,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTOONA PACKING COMPANY, Astoria, Oreg. Filed Dec. 13, 1923.



Particular description of goods.—Canned Fish.
Claims use since Sept. 30, 1907.

Ser. No. 189,611. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CURTIS COMPANY, Baldwinsville, N. Y. Filed Dec. 13, 1923.



The portrait shown in the drawing is fanciful.
Particular description of goods.—Cough Drops.
Claims use since November, 1922.

Ser. No. 189,651. (CLASS 12. CONSTRUCTION MATERIALS.) J. J. WHITE PAPER COMPANY, Canton, Mass. Filed Dec. 13, 1923.

Eternal

Particular description of goods.—Waterproof Building Paper.
Claims use since Nov. 24, 1923.

Ser. No. 189,677. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed Dec. 14, 1923.



SILVERMIST

Particular description of goods.—Cotton Piece Goods.
Claims use since about Oct. 4, 1923.

Ser. No. 189,678. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed Dec. 14, 1923.

Kelston

The mark consists of the arbitrary word "Kelston."
Particular description of goods.—Cotton Piece Goods.
Claims use since about Oct. 4, 1923.

Ser. No. 189,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed Dec. 14, 1923.

Dimitone

The mark consists of the arbitrary word "Dimitone."
Particular description of goods.—Cotton Piece Goods.
Claims use since about Oct. 4, 1923.

Ser. No. 189,703. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO. Inc., Philadelphia, Pa. Filed Dec. 15, 1923.

PYTCHLEY

Particular description of goods.—Worsted and Woolen Dress Goods Manufactured in the Piece.
Claims use since Oct. 27, 1923.

Ser. No. 189,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ASEPTOL COMPANY, Jersey City, N. J., and St. Louis, Mo. Filed Dec. 17, 1923.

Eptone

Particular description of goods.—Chemical Preparation for Use as an Oral and Dental Antiseptic, Mouth Wash, and Gargle.
Claims use since Nov. 10, 1923.

Ser. No. 189,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ASEPTOL COMPANY, Jersey City, N. J., and St. Louis, Mo. Filed Dec. 17, 1923.

Dietone

Particular description of goods.—Chemical Preparation for Disorders of the Liver and Kidneys.
Claims use since Nov. 10, 1923.

Ser. No. 189,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE H. CLARK, doing business as The Toothglo Company, San Francisco, Calif. Filed Dec. 18, 1923.

TOOTHGLO

Particular description of goods.—Liquid Tooth Paste and Dental Cleanser.
Claims use since Nov. 28, 1923.

Ser. No. 189,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNIE L. PRESSWOOD, doing business as J. L. Presswood & Co., Houston, Tex. Filed Dec. 18, 1923.



The mark consists of photograph of applicant.
Particular description of goods.—Medical Preparation for Diseases Arising from Disordered Blood, Liver, or Kidneys, Said Remedy Being Put Up in Liquid Form.
Claims use since Nov. 17, 1923.

Ser. No. 189,882. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CHICAGO BRUSH MANUFACTURING CO., Chicago, Ill. Filed Dec. 19, 1923.

ARROWHEAD

Particular description of goods.—Brushes—Namely, Painters' Brushes, Paper-Hangers' Brushes, Bill-Poster, Glue, and Stencil Brushes, Floor, Window, and Counter Brushes.
Claims use since Mar. 17, 1922.

Ser. No. 189,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE HAPP JR., Port Jervis, N. Y. Filed Dec. 19, 1923.

KREAM KRUST

Particular description of goods.—Bread.
Claims use since Sept. 1, 1912.

Ser. No. 189,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KEYSTONE CARBONIC GAS COMPANY, Harrisburg, Pa. Filed Dec. 19, 1923.



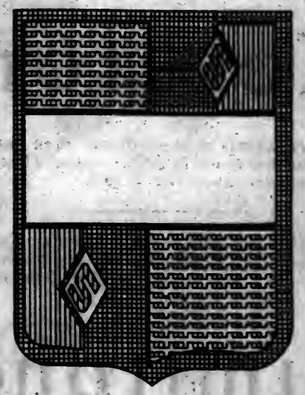
Applicant desires to disclaim the words "Brand" and "Co_2" apart from the mark shown on the drawing.
Particular description of goods.—Chemical Product Carbonic-Acid Gas.
Claims use since Apr. 4, 1923.

Ser. No. 189,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSKAR PISCHINGER, INC., New York, N. Y. Filed Dec. 20, 1923.



The drawing is lined to indicate the colors green and gold.
Particular description of goods.—Cakes, Chocolates, Candies, and Pastry.
Claims use since Nov. 30, 1923.

Ser. No. 189,967. (CLASS 2. RECEPTACLES.) THE CINCINNATI GALVANIZING COMPANY, Cincinnati, Ohio. Filed Dec. 21, 1923.



The label has a black border the sides of which are connected by black lines defining a central white field. The upper left-hand corner and the lower right-hand corner are yellow or gold. The upper right-hand corner and the lower left-hand corner are red. A black space is provided above and below the white field, the black area extending between the red and the yellow or gold areas. The letters "S" are red and are disposed upon white fields set off from the red areas by black border lines.
Particular description of goods.—Galvanized, Enameled, and Japan Ware—Namely, Ash Cans, Garbage Cans, Garbage Pails, Refuse Pails, Water Pails, Washtubs, Waste-Paper Baskets, Oily-Waste Cans, Cement Pails, and Refrigerator Pans.
Claims use since December, 1922.

Ser. No. 189,998. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed Dec. 22, 1923.

ORANGE CREST

Particular description of goods.—Nonalcoholic Flavoring for Beverages Sold As a Soft Drink.
Claims use since Sept. 1, 1908.

Ser. No. 190,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING BENDER, doing business as Bender Products Co., New York, N. Y. Filed Dec. 22, 1923.

TOOTH WONDER
"DOES WONDERS FOR THE TEETH"

No registration rights are claimed for the words "Does Wonders for the Teeth" apart from the mark shown in the drawing; but applicant waives none of his common-law rights.
Particular description of goods.—Liquid Preparation for the Cleaning of Teeth.
Claims use since Dec. 6, 1923.

Ser. No. 190,017. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE GRISCOM-RUSSELL COMPANY, New York, N. Y. Filed Dec. 22, 1923.

INSTANTA

Particular description of goods.—Storage Heaters Employing Steam as a Heating Medium.
Claims use since March, 1923.

Ser. No. 190,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. B. WARD & CO. INC., Piedmont and Los Angeles, Calif. Filed Dec. 24, 1923.

Vanity

Particular description of goods.—Bread.
Claims use since Sept. 18, 1923.

Ser. No. 190,086. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BABCOCK & WILCOX TUBE CO., Beaver Falls, Pa. Filed Dec. 26, 1923.



No claim is made to the word "Tubes" apart from the mark shown.
Particular description of goods.—Steel Tubes.
Claims use Oct. 1, 1923.

Ser. No. 190,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACFARLANE, LANG & CO. LTD., Glasgow, Scotland. Filed Dec. 26, 1923.

GRANOLA

Particular description of goods.—Biscuits, Cakes, and Bread.
Claims use since January, 1904.

Ser. No. 190,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK W. JEWETT, doing business as Clayloid Laboratories, New York, N. Y. Filed Dec. 27, 1923.

Creme Clayloid

Particular description of goods.—Complexion Clay.
Claims use since Oct. 1, 1922.

Ser. No. 190,211. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923.

STANOCOLA

Particular description of goods.—Asphalt.
Claims use since Dec. 13, 1913.

Ser. No. 190,226. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ART NOVELTY COMPANY, Goshen, Ind. Filed Dec. 29, 1923.



No claim is made to the exclusive use of the expression "Goshen, Ind." except in association with the other features of the mark.
Particular description of goods.—Piano Benches, Music-Roll Cabinets, and Novelty Furniture—Namely, Enameled Breakfast-Room Furniture.
Claims use since Apr. 28, 1923.

Ser. No. 190,255. (CLASS 39. CLOTHING.) ARTHUR A. KATTEN COMPANY INC., New Orleans, La. Filed Dec. 29, 1923.



Particular description of goods.—Work Pants.
Claims use since Apr. 20, 1923.

Ser. No. 190,263. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE H. MILLER, Syracuse, N. Y. Filed Dec. 20, 1923.

MILLER'S
RENEWED LIFE
BATTERY CO

No claim is made to the words "Battery Co." appearing on the mark.

Particular description of goods.—Battery Compound.
Claims use since Sept. 12, 1923.

Ser. No. 190,267. (CLASS 39. CLOTHING.) WILLIAM J. NOVY, Chicago, Ill. Filed Dec. 29, 1923.

Nowyhand

Particular description of goods.—Men's Trousers.
Claims use since Oct. 1, 1923.

Ser. No. 190,269. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REESE CHEMICAL CO., Cleveland, Ohio. Filed Dec. 29, 1923.

DOUGH-BOY

The drawing is lined to represent the colors red and blue.

Particular description of goods.—Prophylactic Remedy.
Claims use since Nov. 1, 1923.

Ser. No. 190,291. (CLASS 39. CLOTHING.) HARRY S. GREISS, New York, N. Y. Filed Dec. 31, 1923.



Particular description of goods.—Pyjamas Made of Silk, Cotton, and Mixtures of Cotton and Silk.
Claims use since June 1, 1923.

Ser. No. 190,322. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLADBROOK MUSTARD FACTORY, Gladbrook, Iowa. Filed Jan. 2, 1924.

GLADBROOK

Particular description of goods.—Prepared Mustard.
Claims use since January, 1905.

Ser. No. 190,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Jan. 3, 1924.

RIVERIS

Particular description of goods.—Talcum Powder.
Claims use since Sept. 14, 1906.

Ser. No. 190,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. T. PIVER, INC., Wilmington, Del., and New York, N. Y. Filed Jan. 3, 1924.

Pelivole

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, Brilliantine and Eau de Cologne.
Claims use since 1913.

Ser. No. 190,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VITRO MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Jan. 3, 1924.

VITRO

Particular description of goods.—Oxides of Cobalt, Chromium, Selenium, Zirconium, Titanium, Cerium, and Tin, and Sulphide of Cadmium.
Claims use since August, 1910.

Ser. No. 190,398. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed Jan. 4, 1924.

DIRECTOR

Particular description of goods.—Automatic Telephone Systems.
Claims use since Nov. 28, 1923.

Ser. No. 190,427. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH C. ONNEN, doing business as The Armol Chemical Co., Baltimore, Md. Filed Jan. 4, 1924.

ARMOL

Particular description of goods.—Laxative Cold Tablets.
Claims use since Jan. 1, 1920.

Ser. No. 190,429. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCEL J. RAFFY, doing business as Marcel Parfumeur, New York, N. Y. Filed Jan. 4, 1924.

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Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, and Sachet Powders.
Claims use since Dec. 22, 1923.

Ser. No. 190,445. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Jan. 5, 1924.

BARONET

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Dec. 11, 1923.

Ser. No. 190,446. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CURRY AND BARNUM, New Haven, Conn. Filed Jan. 5, 1924.

C-E-Z

Particular description of goods.—Observation Doors for Furnaces.
Claims use since Dec. 10, 1920.

Ser. No. 190,453. (CLASS 39. CLOTHING.) WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Jan. 5, 1924.

"Bobber"

"Bobber."
Particular description of goods.—Misses' Blouses, Sweaters, Skirts, and Hats.
Claims use since June 2, 1922.

Ser. No. 190,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES T. HEAR, Baltimore, Md. Filed Jan. 5, 1924.

EX TERM O BAC

Particular description of goods.—Compound for Relieving the Effects of the Use of Tobacco.
Claims of use since about Nov. 12, 1923.

Ser. No. 190,482. (CLASS 17. TOBACCO PRODUCTS.) J. WIX & SONS, LTD., London, England. Filed Jan. 5, 1924.



Without waiving any rights at common law applicant disclaims any attempt to cover in this registration the words "Cigarettes" and "Size" except in the precise relation and association in which they appear in the drawing.

Particular description of goods.—Cigarettes.
Claims use since Feb. 8, 1923.

Ser. No. 190,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JASPER ALLAN BORDEN, doing business as The Wishing Well, Los Angeles, Calif. Filed Jan. 7, 1924.

Wishing Well

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since May 10, 1921.

Ser. No. 190,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HANCE BROTHERS & WHITE INCORPORATED, Philadelphia, Pa. Filed Jan. 7, 1924.

STIM-U-LOL

Particular description of goods.—Reconstructive Tonic.
Claims use since Mar. 20, 1923.

Ser. No. 190,527. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Jan. 8, 1924.

Krystal Seal

No claim to the exclusive right to the word "Seal" apart from the mark shown.
Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Dec. 15, 1923.

Ser. No. 190,530. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ANNIE L. BERTENBAUGH, Philadelphia, Pa. Filed Jan. 8, 1924.

COMMANDER

Particular description of goods.—Golf Clubs.
Claims use since about Jan. 3, 1924.

Ser. No. 190,531. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHAIN BELT COMPANY, Milwaukee, Wis. Filed Jan. 8, 1924.

DUROBAR

Particular description of goods.—Sprocket, Drive, Conveying, and Power-Transmission Chains Used for Various Purposes.
Claims use since Jan. 26, 1923.

Ser. No. 190,532. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHAIN BELT COMPANY, Milwaukee, Wis. Filed Jan. 8, 1924.

UNICAST

Particular description of goods.—Sprocket, Drive, Conveying, and Power-Transmission Chains Used for Various Purposes.
Claims use since Jan. 26, 1923.

Ser. No. 190,543. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUARANTEED PRODUCTS LABORATORIES, New York, N. Y. Filed Jan. 8, 1924.

FILMEX

Particular description of goods.—Liquid Cough Sirup.
Claims use since Dec. 1, 1923.

Ser. No. 190,546. (CLASS 12. CONSTRUCTION MATERIALS.) SIMON LAKE, Milford, Conn. Filed Jan. 8, 1924.

LAKEOLITH

Particular description of goods.—Concrete Slabs for Building Construction.
Claims use since Dec. 28, 1923.

Ser. No. 190,565. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN RADIAC COMPANY, Marion, Ind. Filed Jan. 9, 1924.

RADIAC

Particular description of goods.—Liniment for External Use.
Claims use since February, 1922.

Ser. No. 190,566. (CLASS 17. TOBACCO PRODUCTS.) THE BAMA CIGAR COMPANY, Montgomery, Ala. Filed Jan. 9, 1924.

BAMA

Particular description of goods.—Cigars.
Claims use since on or about Apr. 1, 1923.

Ser. No. 190,585. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN LYNN HARRIS, Water Valley, Miss. Filed Jan. 9, 1924.

COINS

Particular description of goods.—Playing Cards.
Claims use since Aug. 15, 1923.

Ser. No. 190,586. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) D. P. HARRIS HARDWARE & MFG. CO., INC., New York, N. Y. Filed Jan. 9, 1924.



Particular description of goods.—Bicycles and Velocipedes for Adults.
Claims use since about 1913.

Ser. No. 190,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED S. HIRSCH, doing business as Inner Clean Mfg. Co., Los Angeles, Calif. Filed Jan. 9, 1924.

INNER-CLEAN

Particular description of goods.—Herb-Vegetable Compound Used as a Laxative.
Claims use since October, 1920.

Ser. No. 190,660. (CLASS 39. CLOTHING.) STATE TEXTILE CORPORATION, New York, N. Y. Filed Jan. 10, 1924.



Particular description of goods.—Hosiery.
Claims use since Dec. 1, 1923.

Ser. No. 190,682. (CLASS 39. CLOTHING.) GREENWALD, FRIEDMAN & CO., INC., New York, N. Y. Filed Jan. 11, 1924.

Fleurelle

Particular description of goods.—Tailor-Made Dresses.
Claims use since Nov. 20, 1923.

Ser. No. 190,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KING'S NU TREATMENT LABORATORIES INC., Atlanta, Ga. Filed Jan. 11, 1924.



No claim is made to the words "Nu Treatment for Indigestion" apart from the mark shown.
Particular description of goods.—Medicine for Indigestion.
Claims use since on or about Aug. 10, 1922.

Ser. No. 190,706. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) QUINLAN MOTORS COMPANY, Chicago, Ill. Filed Jan. 11, 1924.

Gypsy

Particular description of goods.—Trunks.
Claims use since January, 1922.

Ser. No. 190,730. (CLASS 39. CLOTHING.) KOPS BROS., New York, N. Y. Filed Jan. 12, 1924.

Lellanne

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since Dec. 1, 1923.

Ser. No. 190,731. (CLASS 39. CLOTHING.) KOPS BROS., New York, N. Y. Filed Jan. 12, 1924.

Lilthia

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since Dec. 1, 1923.

Ser. No. 190,740. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Filed Jan. 12, 1924.

Nujol

Particular description of goods.—Lubricating Oils.
Claims use since Feb. 27, 1915.

Ser. No. 190,760. (CLASS 37. PAPER AND STATIONERY.) CAPITAL PAPER COMPANY, Indianapolis, Ind. Filed Jan. 14, 1924.

TITE-LITE

Particular description of goods.—Wrapping Paper.
Claims use since October, 1917.

Ser. No. 190,777. (CLASS 12. CONSTRUCTION MATERIALS.) FLEXO COMMON LATH COMPANY, Los Angeles, Calif. Filed Jan. 14, 1924.

FLEXO

Particular description of goods.—Wooden Wall or Plaster Board.
Claims use since Oct. 19, 1923.

Ser. No. 190,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERMAN CAKE CORPORATION, Detroit, Mich. Filed Jan. 14, 1924.



Particular description of goods.—Fruit Cake.
Claims use since November, 1920.

Ser. No. 190,847. (CLASS 37. PAPER AND STATIONERY.) CHARLES C. MINN, Milwaukee, Wis. Filed Jan. 15, 1924.

WHITE DAISY

Particular description of goods.—Toilet Paper.
Claims use since Nov. 20, 1923.

Ser. No. 190,854. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLIC LEDGER COMPANY, Philadelphia, Pa. Filed Jan. 15, 1924.

CARRIE AND HER CAR

Particular description of goods.—A Title for Cartoons in Newspaper Publications.
Claims use since Jan. 6, 1924.

Ser. No. 190,862. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MANUFACTURING COMPANY, Richmond, Va. Filed Jan. 15, 1924.

BLUE RIDGE

Particular description of goods.—Toilet Paper and Paper Towels.
Claims use since Dec. 11, 1923.

Ser. No. 190,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN MILK PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 16, 1924.

WELFARE

Particular description of goods.—Natural Sterilized Milk.
Claims use since Jan. 5, 1924.

Ser. No. 190,888. (CLASS 37. PAPER AND STATIONERY.) LIBRARY BUREAU, Cambridge, Mass. Filed Jan. 16, 1924.

Armorclad

Particular description of goods.—Guide Cards.
Claims use since May 8, 1923.

Ser. No. 190,891. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MANHATTAN TEXTILE WORKS, INC., New York, N. Y. Filed Jan. 16, 1924.

FILUNTONE

The mark consists of the word "Filuntone."
Particular description of goods.—Silk Piece Goods.
Claims use since July 1, 1923.

Ser. No. 190,901. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WEST BOYLSTON MANUFACTURING COMPANY, Easthampton, Mass. Filed Jan. 16, 1924. Under ten-year proviso.

OAKDALE

Particular description of goods.—Filter Fabrics.
Claims use since about 1891.

Ser. No. 190,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN MILLING COMPANY, Peoria, Ill. Filed Jan. 17, 1924.

AMCO

The mark consists of the word "Amco."
Particular description of goods.—Stock Feed.
Claims use since Oct. 12, 1912.

Ser. No. 190,911. (CLASS 38. PRINTS AND PUBLICATIONS.) A CHILD'S GARDEN PRESS, Berkeley, Calif. Filed Jan. 17, 1924.

A CHILD'S GARDEN

Particular description of goods.—A Monthly Publication.
Claims use since Dec. 6, 1923.

Ser. No. 190,923. (CLASS 37. PAPER AND STATIONERY.) THE H-K TRADING COMPANY INC., New York, N. Y. Filed Jan. 17, 1924.

Clensettes

Particular description of goods.—Bibulous Paper for Removing from the Skin Cold Cream, Dust, Perspiration, or Other Loose Surface Dirt.
Claims use since Dec. 15, 1923.

Ser. No. 190,935. (CLASS 5. ADHESIVES.) NATIONAL GUM & MICA COMPANY, New York, N. Y. Filed Jan. 17, 1924.

Strip-Wrap

Particular description of goods.—Glue.
Claims use since February, 1923.

Ser. No. 190,936. (CLASS 37. PAPER AND STATIONERY.) NO WORK FREEZER CO., Cincinnati, Ohio. Filed Jan. 17, 1924.

No-Work

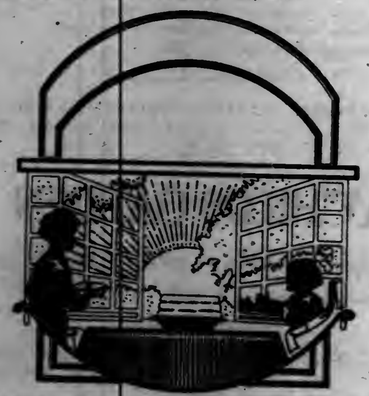
Particular description of goods.—Ice-Cream Freezer.
Claims use since Feb. 1, 1915.

Ser. No. 190,940. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ERNEST S. SEXTON, Denver, Colo. Filed Jan. 17, 1924.

SANITONGUE

Particular description of goods.—Tongue Cleaner.
Claims use since July 1, 1923.

Ser. No. 190,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE MILLING COMPANY, Huntingburg, Ind. Filed Jan. 17, 1924.



Particular description of goods.—Soft-Winter-Wheat Flour.
Claims use since Feb. 19, 1923.

Ser. No. 190,992. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Jan. 18, 1924.

WORUMSUEDE

Particular description of goods.—Woolen Goods in the Piece.
Claims use since Jan. 4, 1924.

Ser. No. 191,026. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MADISON WOOLEN COMPANY, Madison, Me. Filed Jan. 19, 1924.

VELVATONE

The mark consists of the word "Velvatone."
Particular description of goods.—Woolen Piece Goods—viz, Kerseys, Broadcloth, Uniform and Billiard Cloth, Meltons, Thibets, and Velours.
Claims use since Aug. 30, 1923.

Ser. No. 191,030. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 19, 1924.

APARTMENT

Particular description of goods.—Toilet Tissue Paper.
Claims use since June 15, 1923.

Ser. No. 191,031. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 19, 1924.

GOLDEN

Particular description of goods.—Toilet Tissue Paper.
Claims use since May 18, 1923.

Ser. No. 191,048. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WALTER E. WOLLHEIM, doing business as New York Combustion Company, New York, N. Y. Filed Jan. 19, 1924.

HEATIATOR

Particular description of goods.—Liquid-Fuel Burners.
Claims use since Jan. 7, 1924.

Ser. No. 191,059. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE EDNA BRASS MFG. CO., Cincinnati, Ohio. Filed Jan. 21, 1924.

EDNA

Particular description of goods.—Gauge Glasses and Water Columns.
Claims use since Sept. 5, 1923.

Ser. No. 191,086. (CLASS 38. PRINTS AND PUBLICATIONS.) OREGON HUMANE SOCIETY, Portland, Oreg. Filed Jan. 21, 1924.

Every Living Creature

Particular description of goods.—Magazine Published Monthly.
Claims use since Apr. 1, 1923.

Ser. No. 191,101. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TEXTILES DEVELOPMENT CORPORATION, New York, N. Y. Filed Jan. 21, 1924.

Permapleat

Particular description of goods.—Cloth Consisting of Cotton, Wool, or Silk or a Mixture of the Same.
Claims use since Nov. 1, 1923.

Ser. No. 191,165. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAROLINA REMEDIES COMPANY, doing business as Caro-Co Laboratories, Union, S. C. Filed Jan. 23, 1924.

CARO CO

Particular description of goods.—Face Powder, Shampoo, and Face and Hand Lotion or Cream.
Claims use since Dec. 26, 1923.

Ser. No. 191,191. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Jan. 23, 1924.

ARROW HEAD

Particular description of goods.—Sheets, Pillowcases, and Bolster Cases.
Claims use since Jan. 1, 1919.

Ser. No. 191,192. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Jan. 23, 1924.

PENNWOOD

Particular description of goods.—Sheets, Pillowcases, and Bolster Cases.
Claims use since Jan. 1, 1919.

Ser. No. 191,306. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Jan. 26, 1924.

2-4-1

Particular description of goods.—Playing Balls.
Claims use since Dec. 20, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MARCH 4, 1924.

180,494. CERTAIN NAMED TOILET PREPARATIONS. HOUBIGANT INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,463. PUBLISHED DECEMBER 11, 1923.

180,495. NUTRIENT TONIC. HANCE BROTHERS & WHITE INCORPORATED, doing business as Marshall-King Laboratories, Philadelphia, Pa.
Filed September 8, 1923. Serial No. 185,519. PUBLISHED DECEMBER 11, 1923.

180,496. A CERTAIN NAMED MEDICINAL PREPARATION. CAPITOL CHEMICAL CO., Montpelier, Vt.
Filed September 10, 1923. Serial No. 185,562. PUBLISHED DECEMBER 11, 1923.

180,497. ANTISEPTIC AND GERMICIDAL PREPARATION. THE L. D. CAULK COMPANY, Milford, Del.
Filed September 10, 1923. Serial No. 185,565. PUBLISHED DECEMBER 11, 1923.

180,498. SULPHO-CHROMIC SALTS FOR MAKING BATTERY FLUIDS. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed September 7, 1923. Serial No. 185,447. PUBLISHED DECEMBER 11, 1923.

180,499. PERFUME SUITABLE FOR DRIVING OFF MOSQUITOES OR SIMILAR INSECTS. GEO. H. GOULD & SON, Louisville, Ky.
Filed September 7, 1923. Serial No. 185,457. PUBLISHED DECEMBER 11, 1923.

180,500. CERTAIN NAMED TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,460. PUBLISHED DECEMBER 11, 1923.

180,501. CERTAIN NAMED TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,461. PUBLISHED DECEMBER 11, 1923.

180,502. CERTAIN NAMED TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed September 7, 1923. Serial No. 185,462. PUBLISHED DECEMBER 11, 1923.

180,503. VANISHING CREAM. POND'S EXTRACT COMPANY, New York, N. Y.
Filed September 5, 1923. Serial No. 185,378. PUBLISHED DECEMBER 11, 1923.

180,504. MEDICAL TONICS FOR TREATMENT OF STOMACH, KIDNEYS, LIVER, AND BOWELS. THE T. G. WALTON COMPANY, doing business as The Erbjus Remedy Company, Bridgeport, Conn.
Filed September 6, 1923. Serial No. 185,391. PUBLISHED DECEMBER 11, 1923.

180,505. MEDICAL TONICS FOR TREATMENT OF STOMACH, KIDNEYS, LIVER, AND BOWELS. THE T. G. WALTON COMPANY, doing business as The Erbjus Remedy Company, Bridgeport, Conn.
Filed September 6, 1923. Serial No. 185,392. PUBLISHED DECEMBER 11, 1923.

180,506. CERTAIN NAMED TOILET PREPARATIONS. HARRIET J. CARMAN, Elkins Park, Pa.
Filed September 7, 1923. Serial No. 185,410. PUBLISHED DECEMBER 11, 1923.

180,507. MEDICATED CREAM OR OINTMENT FOR USE IN THE TREATMENT OF DISEASES AND DISORDERS OF THE SKIN AND SCALP. THE L. D. Caulk Company, Milford, Del.
Filed September 7, 1923. Serial No. 185,413. PUBLISHED DECEMBER 11, 1923.

180,508. CANNED FRUITS, CANNED BERRIES. SPRINGBROOK CANNING COMPANY, Springbrook, Oreg.
Filed August 27, 1923. Serial No. 185,055. PUBLISHED DECEMBER 18, 1923.

180,509. TOILET PREPARATIONS. GEORGE BORGFELDT & Co., New York, N. Y.
Filed August 29, 1923. Serial No. 185,104. PUBLISHED DECEMBER 18, 1923.

180,510. MEDICINE FOR DISSOLVING GALLSTONES. JAMES E. STAVROS, West Orange, N. J.
Filed September 4, 1923. Serial No. 185,322. PUBLISHED DECEMBER 11, 1923.

180,511. COLD CREAM. POND'S EXTRACT COMPANY, New York, N. Y.
Filed September 6, 1923. Serial No. 185,377. PUBLISHED DECEMBER 11, 1923.

180,512. DENTAL CREAM. DOCTOR W. A. ALLEN COMPANY, Los Angeles, Calif.
Filed August 27, 1923. Serial No. 185,000. PUBLISHED DECEMBER 18, 1923.

180,513. PREPARATION FOR COUGHS AND COLDS. PETER SMITH & SON, Cornucopia, Oreg.
Filed August 25, 1923. Serial No. 184,991. PUBLISHED DECEMBER 18, 1923.

180,514. SHAMPOO FOR THE HAIR. THE JACKSON-ROGERS COMPANY, Brooklyn, N. Y.
Filed September 17, 1923. Serial No. 185,871. PUBLISHED DECEMBER 11, 1923.

180,515. TOILET PREPARATIONS. ZEPH E. BURGESS, San Francisco, Calif.
Filed September 20, 1923. Serial No. 185,954. PUBLISHED DECEMBER 18, 1923.

180,516. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BRILLIANTINE, AND FACE CREAM. ROGER DE SORIA, Clichy, France.
Filed September 20, 1923. Serial No. 185,961. PUBLISHED DECEMBER 11, 1923.

180,517. TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed September 20, 1923. Serial No. 185,969. PUBLISHED DECEMBER 18, 1923.

180,518. PERFUME EXTRACTS, LOTIONS, TOILET WATERS, TOILET POWDERS, EAU DE COLOGNE, DENTIFRICES, ROUGES, AND RICE POWDER. MAURICE BABANI, Paris, France.
Filed September 19, 1923. Serial No. 185,912. PUBLISHED DECEMBER 11, 1923.

180,519. TOILET LOTIONS, POWDERS, CREAMS, WATERS, SACHETS, OILS, ROUGES, PENCILS, PASTES, SALVES, PERFUMES, DEPILATORIES, AROMATIC VINAIGRES, AND LIQUID POWDERS. GUY T. GIBSON, INCORPORATED, New York, N. Y.
Filed September 12, 1923. Serial No. 185,698. PUBLISHED DECEMBER 11, 1923.

180,520. TOILET LOTIONS, POWDERS, CREAMS, WATERS, SACHETS, OILS, ROUGES, PENCILS, PASTES, SALVES, PERFUMES, DEPILATORIES, AROMATIC VINAIGRES, AND LIQUID POWDERS. GUY T. GIBSON, INCORPORATED, New York, N. Y.
Filed September 12, 1923. Serial No. 185,699. PUBLISHED DECEMBER 11, 1923.

180,521. DEPILATORY. JEAN JORDEAU INC., South Orange, N. J., and New York, N. Y.
Filed September 12, 1923. Serial No. 185,709. PUBLISHED DECEMBER 11, 1923.

180,522. DEODORANT AND DISINFECTANT. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed September 12, 1923. Serial No. 185,732. PUBLISHED DECEMBER 11, 1923.

180,523. LINIMENT FOR EXTERNAL USE. SUN ZONE COMPANY, Paris, Ky.
Filed September 13, 1923. Serial No. 185,767. PUBLISHED DECEMBER 11, 1923.

180,524. NOSE IRRIGATION AND THROAT GARGLE. FRED BADEN, INC., New York, N. Y.
Filed September 15, 1923. Serial No. 185,810. PUBLISHED DECEMBER 11, 1923.

180,525. LINIMENT FOR EXTERNAL USE. FAXON & GALLAGHER DRUG CO., Kansas City, Mo.
Filed September 10, 1923. Serial No. 185,575. PUBLISHED DECEMBER 11, 1923.

180,526. PREPARATION FOR THE TREATMENT OF PYORRHEA ALVEOLARIS. MEDICO-DENTAL SPECIALTY CO., San Diego, Calif.
Filed September 10, 1923. Serial No. 185,605. PUBLISHED DECEMBER 11, 1923.

180,527. PERFUME, COLD CREAM, HAIR OIL, SHAMPOO, TOILET WATER, TALCUM POWDER, AND TOILET CREAM. THE ROOSA & RATLIFF CHEMICAL CO., also doing business as Roosa & Ratliff Perfume Co., Cincinnati, Ohio.
Filed September 10, 1923. Serial No. 185,621. PUBLISHED DECEMBER 11, 1923.

180,528. PERFUMES, TOILET WATERS, EAU DE COLOGNE, BRILLIANTINE, ROUGE, LOTION FOR THE SKIN AND HAIR, DYE FOR THE HAIR. VELSCH & HOLTZ, Paris, France.
Filed September 10, 1923. Serial No. 185,638. PUBLISHED DECEMBER 11, 1923.

180,529. OINTMENT FOR THE TREATMENT OF COLDS, BRONCHITIS, CATARRH, INFLUENZA, SORE THROAT, AND PNEUMONIA. ELLIOTT C. WOODFORD, doing business as The Woodford Pharmacy, Owego, N. Y.
Filed September 10, 1923. Serial No. 185,641. PUBLISHED DECEMBER 11, 1923.

180,530. COMPRESSED GAS FOR HEATING, LIGHTING, AND POWER PURPOSES. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 11, 1923. Serial No. 185,652. PUBLISHED DECEMBER 11, 1923.

180,531. CANNED FRUITS AND VEGETABLES. BUDDEMYER-WAGGONER, INC., Los Angeles, Calif.
Filed September 12, 1923. Serial No. 185,697. PUBLISHED NOVEMBER 18, 1923.

180,532. REMEDY FOR ENTERIC DISTURBANCES IN PERSONS SUFFERING FROM TUBERCULOSIS, GRIPPE, AND DYSENTERY. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed September 10, 1923. Serial No. 185,573. PUBLISHED DECEMBER 11, 1923.

180,533. EXPECTORANT FOR THE TREATMENT OF ACUTE AND CHRONIC AFFECTIONS OF THE LUNGS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed September 10, 1923. Serial No. 185,574. PUBLISHED DECEMBER 11, 1923.

180,534. VARIOCOUPLERS. LANCO COUPLER COMPANY, Lancaster, Pa.
Filed October 17, 1923. Serial No. 187,109. PUBLISHED DECEMBER 4, 1923.

180,535. ELECTRICAL RESISTANCE FOR WIRELESS APPARATUS. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed October 15, 1923. Serial No. 186,974. PUBLISHED DECEMBER 4, 1923.

180,536. VERTICAL FILING FOLDERS AND GUIDES. THE WABASH CABINET CO., Wabash, Ind.
Filed October 13, 1923. Serial No. 186,870. PUBLISHED DECEMBER 11, 1923.

180,537. WRAPPING PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,286. PUBLISHED DECEMBER 11, 1923.

180,538. FOUNTAIN PENS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 17, 1923. Serial No. 187,186. PUBLISHED DECEMBER 11, 1923.

180,539. GREASEPROOF PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,292. PUBLISHED DECEMBER 11, 1923.

180,540. CERTAIN NAMED TOILET PREPARATIONS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,107. PUBLISHED DECEMBER 11, 1923.

180,541. COSMETIC POWDER AND ROUGE. ARPAD POLANSKY, Douglastown, N. Y.
Filed March 12, 1923. Serial No. 177,324. PUBLISHED DECEMBER 11, 1923.

180,542. OINTMENTS AND PLASTERS FOR HEALING WOUNDS, CUTS, SORES, BOILS, ABSCESSES, AND INFECTIONS. WILLIAM MENNER, Newark, N. J.
Filed March 12, 1923. Serial No. 177,311. PUBLISHED DECEMBER 11, 1923.

180,543. HAIR TONIC AND HAIR RESTORER. IRVING BERKENFIELD, doing business as Field Laboratories, Erie, Pa.
Filed July 13, 1923. Serial No. 183,135. PUBLISHED DECEMBER 11, 1923.

180,544. PREPARATION FOR CERTAIN NAMED PURPOSES. SAMUEL VANDER WHEELEN, New York, N. Y.
Filed July 2, 1923. Serial No. 183,013. PUBLISHED DECEMBER 11, 1923.

180,545. SUGAR WAFERS, COOKIES, BISCUITS. THE LAKESIDE BISCUIT CO., Toledo, Ohio, and Detroit, Mich.
Filed June 21, 1923. Serial No. 182,813. PUBLISHED NOVEMBER 20, 1923.

180,546. ESSENCE OF PERFUME EXTRACTS, POUDRE ADHERENT (FACE POWDER), CLEANSING CREAM, VANISHING CREAM, CRÈME BLANCHE, BLEACHING CREAM, ROUGE EAU TOILETTES (TOILET WATER). ARTHUR M. SAMSON, doing business as Le Baur Importing Co., New Orleans, La.
Filed May 8, 1923. Serial No. 180,342. PUBLISHED NOVEMBER 27, 1923.

180,547. REMEDY FOR DYSPEPSIA AND INDIGESTION. STOTHART'S DRUG STORE, Augusta, Ga.
Filed July 21, 1923. Serial No. 183,542. PUBLISHED DECEMBER 18, 1923.

180,548. HEALING SALVE. CHARLES F. ROSS, New York, N. Y.
Filed July 19, 1923. Serial No. 183,454. PUBLISHED DECEMBER 18, 1923.

180,549. PRETZELS. MOYER BROS., Chicago, Ill.
Filed July 16, 1923. Serial No. 183,311. PUBLISHED DECEMBER 18, 1923.

180,550. TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed August 23, 1923. Serial No. 184,911. PUBLISHED DECEMBER 18, 1923.

180,551. TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed August 23, 1923. Serial No. 184,910. PUBLISHED DECEMBER 18, 1923.

180,552. TOOTH PASTE. GOUGHNOUR & SHIELDS, Des Moines, Iowa.
Filed August 23, 1923. Serial No. 184,909. PUBLISHED DECEMBER 18, 1923.

180,553. PREPARATION FOR USE IN THE TREATMENT OF TUBERCULOSIS. CRENSHAW & HORNE, Augusta, Ga.
Filed July 30, 1923. Serial No. 183,820. PUBLISHED DECEMBER 4, 1923.

180,554. PERFUMES. SOCIETE GUERLAIN, Paris, France.
Filed July 27, 1923. Serial No. 183,709. PUBLISHED DECEMBER 18, 1923.

180,555. LOTION OR LIKE PREPARATION FOR CHAPPED HANDS, FACE, AND LIPS, SUNBURN, AND TAN. JAMES H. VAN GREEN, doing business as Mello-Derma Company, Ellensburg, Wash.
Filed June 27, 1922. Serial No. 166,156. PUBLISHED DECEMBER 4, 1923.

180,556. TELEPHONIC HEAD SETS. DICTOGRAPH PRODUCTS CORPORATION, New York, N. Y.
Filed June 24, 1922. Serial No. 165,987. PUBLISHED DECEMBER 4, 1923.

180,557. SALVE. THE COLUMBUS CHEMICAL COMPANY, Columbus, Ohio.
Filed June 20, 1922. Serial No. 165,746. PUBLISHED DECEMBER 4, 1923.

180,558. FOODS AND INGREDIENTS OF FOODS. REID, MURDOCH & CO., Chicago, Ill.
Filed May 1, 1922. Serial No. 163,176. PUBLISHED NOVEMBER 20, 1923.

180,559. CREAM, LOTION, POWDER, ROUGE, EYEBROW PENCILS, AND LIP STICKS. MAISON GERBY, INC., New York, N. Y.
Filed January 3, 1922. Serial No. 174,139. PUBLISHED DECEMBER 4, 1923.

180,560. PENCILS. NARDI MAGASINE PENCIL CO., Camden, N. J.
Filed November 23, 1922. Serial No. 172,428. PUBLISHED DECEMBER 11, 1923.

180,561. GAS AND COAL RANGES AND STOVES. THE TAPPAN STOVE CO., Mansfield, Ohio.
Filed September 23, 1922. Serial No. 169,880. PUBLISHED DECEMBER 4, 1923.

180,562. TICKET BRISTOL. J. P. LEWIS COMPANY, Beaver Falls, N. Y.
Filed August 19, 1922. Serial No. 168,474. PUBLISHED DECEMBER 11, 1923.

180,563. PERFUMES, TOILET WATER, FACE POWDER, FACE CREAM, ROUGE, AND LIP STICK. THE MEMPHIS DRUG COMPANY, INC., Memphis, Tenn.
Filed July 14, 1922. Serial No. 166,892. PUBLISHED DECEMBER 18, 1923.

180,564. MEDICINAL PREPARATION. MEDOC COMPANY, Milwaukee, Wis.
Filed March 10, 1923. Serial No. 177,237. PUBLISHED DECEMBER 4, 1923.

180,565. STATIONERY—NAMELY, WRITING PAPER, OF VARIOUS KINDS AND SIZES, AND ENVELOPES PACKED IN CARDBOARD BOXES IN WHICH THEY ARE SOLD AS ARTICLES OF MERCHANDISE. BERLIN & JONES COMPANY, INC., New York, N. Y.
Filed March 1, 1923. Serial No. 176,782. PUBLISHED DECEMBER 11, 1923.

180,566. INTERNAL AND EXTERNAL REMEDY FOR DISEASES OF THE STOMACH, BLOOD, AND LIVER AND A RELIEF FOR BITES, STINGS, BURNS, AND SPRAINS. JENKINS DRUG COMPANY, Bryan, Tex.
Filed January 27, 1923. Serial No. 175,198. PUBLISHED DECEMBER 4, 1923.

180,567. DENTIFRICE, COLD CREAM, VANISHING SKIN CREAM, AND SKIN LOTION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 30, 1923. Serial No. 183,851. PUBLISHED DECEMBER 18, 1923.

180,568. CERTAIN NAMED CHEMICAL AND PHARMACEUTICAL PREPARATIONS. NORTHWESTERN BAKERS & CONFECTIONERS CO., Minneapolis, Minn.
Filed June 11, 1923. Serial No. 181,855. PUBLISHED DECEMBER 4, 1923.

180,569. CERTAIN TOILET PREPARATIONS. SOCIETE ANONYME PARFUMERIE VIOLET, Paris, France.
Filed March 27, 1923. Serial No. 178,145. PUBLISHED DECEMBER 18, 1923.

180,570. PREPARATION FOR HAIR RESTORING AND GROWING. JOHN A. ROGERS, Yonkers, N. Y.
Filed July 31, 1923. Serial No. 183,891. PUBLISHED DECEMBER 18, 1923.

180,571. MEDICINES AND PHARMACEUTICAL PREPARATIONS. CHEMOSAN AKTIENGESELLSCHAFT, Vienna, Austria.
Filed August 9, 1923. Serial No. 184,233. PUBLISHED DECEMBER 4, 1923.

180,572. WASTE-PIPE CLEANER. J. A. SEXAUER MFG. CO. INC., New York, N. Y.
Filed August 22, 1923. Serial No. 184,872. PUBLISHED DECEMBER 18, 1923.

180,573. POWDER FOR CLEANSING AND SOFTENING THE SKIN. WINIFRED SACKVILLE STONER, New York, N. Y.
Filed August 18, 1923. Serial No. 184,693. PUBLISHED DECEMBER 18, 1923.

180,574. OXYGEN AND HYDROGEN GASES. BOSTON ELECTROLYTIC OXYGEN COMPANY, Everett, Mass.
Filed August 18, 1923. Serial No. 184,689. PUBLISHED DECEMBER 18, 1923.

180,575. INSECTICIDE. PHENO-BANE PRODUCTS COMPANY, St. Louis, Mo.
Filed September 24, 1923. Serial No. 186,158. PUBLISHED DECEMBER 18, 1923.

180,576. ONE-PIECE KNITTED UNDERWEAR COMPRISING LADIES' UNION SUITS, LADIES' VESTS, AND BATHING SUITS. AUGUSTA KNITTING CORPORATION, Utica, N. Y.
Filed January 8, 1923. Serial No. 174,284. PUBLISHED DECEMBER 18, 1923.

180,577. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. SHEPARD NORWELL COMPANY, Boston, Mass.
Filed November 17, 1922. Serial No. 172,187. PUBLISHED APRIL 10, 1923.

180,578. MEDICATED AND SURGICAL PLASTERS. THE DRANE PLASTER CO., Yonkers, N. Y.
Filed October 20, 1922. Serial No. 170,970. PUBLISHED DECEMBER 18, 1923.

180,579. MEDICINE FOR TREATMENT OF TUBERCULOSIS. ALFREDO GIMENES Y MORENO, Bayamon, Porto Rico.
Filed September 6, 1922. Serial No. 169,137. PUBLISHED DECEMBER 18, 1923.

180,580. WORKINGMEN'S SHIRTS. M. H. COWEN MANUFACTURING COMPANY, Chicago, Ill., assignor to Worthy Manufacturing Company, Chicago, Ill., a Corporation of Kentucky.
Filed August 19, 1922. Serial No. 168,452. PUBLISHED DECEMBER 18, 1923.

180,581. OINTMENT. THE PHENO-LYPTOL CO., Toyah, Tex.
Filed January 15, 1923. Serial No. 174,635. PUBLISHED DECEMBER 18, 1923.

180,582. CERTAIN NAMED TOILET PREPARATIONS. LAM-TS MFG CO., Oklahoma City, Okla.
Filed July 13, 1922. Serial No. 166,837. PUBLISHED DECEMBER 18, 1923.

180,583. OVERALLS, WORK JACKETS, WORK TROUSERS, AND WORK SHIRTS. BURLINGTON OVERALL MANUFACTURING COMPANY, Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,373. PUBLISHED FEBRUARY 13, 1923.

180,584. LEDGER PAPER. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass.
Filed October 31, 1923. Serial No. 187,712. PUBLISHED DECEMBER 18, 1923.

180,585. CANNED TOMATOES. H. TRAUB'S SONS, Savannah, Ga.
Filed January 17, 1923. Serial No. 174,710. PUBLISHED DECEMBER 18, 1923.

180,586. SHAMPOO FOR THE HAIR. MARIA TOMACELLI, doing business as Sig Chemical Co., New York, N. Y.
Filed July 7, 1923. Serial No. 182,942. PUBLISHED DECEMBER 18, 1923.

180,587. MEN'S AND YOUTHS' COATS, VESTS, TROUSERS, AND OVERCOATS. MOSES-ROTHCHILD CO., INCORPORATED, Louisville, Ky.
Filed October 19, 1923. Serial No. 187,228. PUBLISHED DECEMBER 18, 1923.

180,588. REFRIGERATING UNITS, REFRIGERATORS, MECHANICALLY-REFRIGERATED FOOD CABINETS, AND REFRIGERATING ELEMENTS THEREFOR. NIZER CORPORATION, Detroit, Mich.
Filed October 24, 1923. Serial No. 187,438. PUBLISHED DECEMBER 18, 1923.

180,589. WRAPPING PAPER. THE DIEM & WING PAPER CO., Cincinnati, Ohio.
Filed October 27, 1923. Serial No. 187,565. PUBLISHED DECEMBER 18, 1923.

180,590. SWEATER COATS, JERSEYS, BATHING SUITS, TAM-O'-SHANTERS FOR WOMEN AND CHILDREN, AND SCARFS. LOS ANGELES KNITTING COMPANY, Los Angeles, Calif.
Filed January 23, 1923. Serial No. 174,963. PUBLISHED DECEMBER 18, 1923.

180,591. COLD CREAM. MRS. JANE NELSON, doing business as Floralea Creme Co., San Antonio, Tex.
Filed July 2, 1923. Serial No. 182,716. PUBLISHED DECEMBER 18, 1923.

180,592. THROAT AND VOICE ANTISEPTICS AND STIMULANTS. FERRIS AND COMPANY, LIMITED, Bristol, England.
Filed July 3, 1923. Serial No. 182,743. PUBLISHED DECEMBER 18, 1923.

180,593. MEDICINE FOR DISORDERS OF THE STOMACH. THE VAN WASSON MEDICINE CO., Talladega, Ala.
Filed July 6, 1923. Serial No. 182,887. PUBLISHED DECEMBER 18, 1923.

180,594. SWEATER COATS, JERSEYS, BATHING SUITS, AND SCARFS. LOS ANGELES KNITTING COMPANY, Los Angeles, Calif.
Filed January 23, 1923. Serial No. 174,967. PUBLISHED DECEMBER 18, 1923.

180,595. SURFACE COATED AND UNCOATED PRINTING AND WRITING PAPERS. DILL & COLLINS CO., Philadelphia, Pa.
Filed October 29, 1923. Serial No. 187,606. PUBLISHED DECEMBER 18, 1923.

180,596. WRITING PAPER. FOX RIVER PAPER COMPANY, Appleton, Wis.
Filed October 29, 1923. Serial No. 187,617. PUBLISHED DECEMBER 18, 1923.

180,597. WOOL VELOUR COATING PIECE GOODS. C. BANNSEN & CO., INC., New York, N. Y.
Filed October 4, 1923. Serial No. 186,541. PUBLISHED DECEMBER 18, 1923.

180,598. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed October 4, 1923. Serial No. 186,559. PUBLISHED DECEMBER 18, 1923.

180,599. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,896. PUBLISHED DECEMBER 25, 1923.

180,600. UPHOLSTERY AND DRAPERY TEXTILE FABRICS. MORTON BROTHERS INC., New York, N. Y.
Filed October 27, 1923. Serial No. 187,586. PUBLISHED DECEMBER 25, 1923.

180,601. COTTON GOODS, SILK GOODS, LINEN GOODS, AND MIXTURES OF COTTON AND SILK AND LINEN AND SILK, ALL IN THE PIECE. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed October 30, 1923. Serial No. 187,688. PUBLISHED DECEMBER 25, 1923.

180,602. HAIR NETS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed October 1, 1923. Serial No. 186,404. PUBLISHED DECEMBER 18, 1923.

180,603. WOOLEN PIECE GOODS. ATLANTIC MILLS, Stottville, N. Y.
Filed October 1, 1923. Serial No. 186,406. PUBLISHED DECEMBER 11, 1923.

180,604. PRINTED COTTON CLOTH. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed October 2, 1923. Serial No. 186,487. PUBLISHED DECEMBER 18, 1923.

180,605. CERTAIN BLEACHED AND UNBLEACHED GOODS, CANTON FLANNELS, TICKINGS, AND CHEVIOTS. THE JOHN H. HIBBEN DRY GOODS CO., Cincinnati, Ohio.
Filed October 3, 1923. Serial No. 186,505. PUBLISHED DECEMBER 18, 1923.

180,606. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,372. PUBLISHED DECEMBER 18, 1923.

180,607. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,374. PUBLISHED DECEMBER 18, 1923.

180,608. DENTIFRICES. PARFUMERIE ANTHEMYS (S. A.), Cauderan, France.
Filed August 26, 1922. Serial No. 168,730. PUBLISHED DECEMBER 11, 1923.

180,609. AGENTS AGAINST PARASITIC AND NON-PARASITIC SKIN DISEASES. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed September 21, 1923. Serial No. 186,004. PUBLISHED DECEMBER 18, 1923.

180,610. ANÆSTHETICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed September 21, 1923. Serial No. 186,003. PUBLISHED DECEMBER 18, 1923.

180,611. PILE REMEDY. ADA GREEN, St. Louis, Mo.
Filed November 15, 1922. Serial No. 172,039. PUBLISHED DECEMBER 11, 1923.

180,612. EMULSION OF LIQUID PARAFFIN. THE LUBRICANT LAXATIVES CORPORATION, Chicago, Ill.
Filed September 20, 1923. Serial No. 185,976. PUBLISHED DECEMBER 18, 1923.

180,613. CHOCOLATE CREAMS. THE FITGER COMPANY, Duluth, Minn.
Filed October 25, 1922. Serial No. 171,166. PUBLISHED DECEMBER 11, 1923.

180,614. COFFEE, TEA, CHOCOLATE, COCOA, MOLASSES, TOMATO CATCHUP, PICKLES, BREAKFAST CEREALS, CONDIMENTS, AND CHEESE. MILLIKEN, TOMLINSON CO., Portland, Me.
Filed September 11, 1922. Serial No. 169,314. PUBLISHED DECEMBER 18, 1923.

180,615. SALVE FOR ITCH, SORES, ECZEMA, SALT RHEUM, AND ANY KIND OF SKIN DISEASE. FREDRICK A. HARNESS, Kellogg, Idaho.
Filed September 24, 1923. Serial No. 186,128. PUBLISHED DECEMBER 18, 1923.

180,616. FLUID PHARMACEUTICAL PREPARATION FOR ASTRINGENT AND HÆMOSTATIC QUALITIES. HICKS & JOHNSON, Columbus, Ga.
Filed September 22, 1923. Serial No. 186,057. PUBLISHED DECEMBER 18, 1923.

180,617. PREPARATION FOR THE TREATMENT OF PILES. JEREMIAH SHERMAN, Providence, R. I.
Filed September 21, 1923. Serial No. 186,028. PUBLISHED DECEMBER 18, 1923.

180,618. AGENTS AGAINST EXHAUSTION. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed September 21, 1923. Serial No. 186,005. PUBLISHED DECEMBER 18, 1923.

180,619. FACE POWDER AND FACE CREAM. THE POMPEIAN MFG. COMPANY, Cleveland, Ohio.
Filed September 21, 1923. Serial No. 186,026. PUBLISHED DECEMBER 18, 1923.

180,620. TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed September 25, 1923. Serial No. 186,188. PUBLISHED DECEMBER 11, 1923.

180,621. BEAUTY CLAY, FACE FINISH, FACE POWDER, COLD CREAM, AND VANISHING CREAM. SCOTT'S PREPARATIONS, INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,161. PUBLISHED DECEMBER 11, 1923.

180,622. IMMUNIZING AGENTS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed September 24, 1923. Serial No. 186,151. PUBLISHED DECEMBER 18, 1923.

180,623. INSECTICIDE. HITS-IT M'F'G CO., Camden, N. J.
Filed September 24, 1923. Serial No. 186,129. PUBLISHED DECEMBER 18, 1923.

180,624. PERFUMES, TOILET WATERS, FACE CREAMS, FACE POWDER, AND TALCUM POWDER. LEON COHN, doing business as Parfumerie Forest, Paris, France.
Filed September 26, 1923. Serial No. 186,217. PUBLISHED DECEMBER 11, 1923.

180,625. TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed September 25, 1923. Serial No. 186,190. PUBLISHED DECEMBER 11, 1923.

180,626. TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed September 25, 1923. Serial No. 186,191. PUBLISHED DECEMBER 11, 1923.

180,627. CERTAIN TOILET PREPARATIONS. OPERA OMNIA LIMITED, London, England.
Filed June 19, 1923. Serial No. 182,220. PUBLISHED DECEMBER 18, 1923.

180,628. PILE REMEDY. HENRY OSCAR BROWN, doing business as H. O. Brown Company, Philadelphia, Pa.
Filed June 25, 1923. Serial No. 182,307. PUBLISHED DECEMBER 18, 1923.

180,629. SALVE. MARY E. BIDELMAN, doing business as Bidelman & Company, Fort Worth, Tex.
Filed June 26, 1923. Serial No. 182,464. PUBLISHED DECEMBER 18, 1923.

180,630. GENERAL MEDICINAL TONIC. PABST CORPORATION, Milwaukee, Wis.
Filed June 16, 1923. Serial No. 182,112. PUBLISHED DECEMBER 18, 1923.

180,631. FOODS—NAMELY, CANNED, DRIED, AND GREEN VEGETABLES, COFFEE, TEA, SUGAR, AND CANDY. C. W. MCCLURE, Atlanta, Ga.
Filed June 18, 1923. Serial No. 182,165. PUBLISHED DECEMBER 18, 1923.

180,632. SWEETS AND RELISHES—NAMELY, JAMS, JELLIES, FRUIT PRESERVES, CONSERVES, MARMALADES, SPICED FRUITS, SWEET PICKLES, SOUR PICKLES, CHOWCHOWS, AND PICCALILLI. ELINOR V. MINETTI, San Francisco, Calif.
Filed June 19, 1923. Serial No. 182,217. PUBLISHED DECEMBER 18, 1923.

180,633. CITROUS FRUITS—NAMELY, ORANGES, LEMONS, TANGERINES, AND GRAPEFRUIT. CHARLES C. CHAPMAN, Fullerton, Calif.
Filed May 31, 1923. Serial No. 181,377. PUBLISHED DECEMBER 18, 1923.

180,634. DRY CHEMICAL EFFERVESCENT SALT MIXTURE. ABBEY EFFERVESCENT SALT COMPANY, INC., New York, N. Y.
Filed May 15, 1923. Serial No. 180,645. PUBLISHED DECEMBER 18, 1923.

180,635. TABLETS COMPOSED OF INORGANIC SUBSTANCES MIXED WITH SUGAR OF MILK FOR FOOD PURPOSES ONLY. JESSE GUY MUNSELL, doing business as Munsell's Supply Company and Munsell's School of Health, Lincoln, Nebr.
Filed June 9, 1923. Serial No. 181,765. PUBLISHED DECEMBER 18, 1923.

180,636. GENERAL MEDICINAL TONIC. PABST CORPORATION, Milwaukee, Wis.
Filed June 16, 1923. Serial No. 182,111. PUBLISHED DECEMBER 18, 1923.

180,637. WEDGES USED IN CONNECTION WITH THE BINDING POSTS OF LOOSE-LEAF-BINDING DEVICES. ERNEST E. DORMAUS, Oklahoma City, Okla.
Filed March 29, 1923. Serial No. 178,235. PUBLISHED DECEMBER 18, 1923.

180,638. MEN'S OUTER GARMENTS OR CLOTHING CONSTITUTING COATS, OVERCOATS, VESTS, AND TROUSERS. DIEHL, KANE & DIEHL TAILORING CO., Cincinnati, Ohio.
Filed April 27, 1923. Serial No. 179,784. PUBLISHED DECEMBER 18, 1923.

180,639. MEN'S AND BOYS' SHIRTS, COLLARS, PYJAMAS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed May 5, 1923. Serial No. 180,205. PUBLISHED DECEMBER 18, 1923.

180,640. DRY CHEMICAL MIXTURE OF HEALTH SALT. ABBEY EFFERVESCENT SALT COMPANY, INC., New York, N. Y.
Filed May 15, 1923. Serial No. 180,644. PUBLISHED DECEMBER 18, 1923.

180,641. READY-MADE WOMEN'S APPAREL—NAMELY, SUITS, DRESSES, AND SKIRTS. FERGUSON, WEINBERG & ROSE, Chicago, Ill.
Filed March 19, 1923. Serial No. 177,662. PUBLISHED DECEMBER 18, 1923.

180,642. SULPHUR. SAN FRANCISCO SULPHUR CO., San Francisco, Calif.
Filed March 22, 1923. Serial No. 177,809. PUBLISHED DECEMBER 18, 1923.

180,643. SULPHUR. SAN FRANCISCO SULPHUR CO., San Francisco, Calif.
Filed March 22, 1923. Serial No. 177,870. PUBLISHED DECEMBER 18, 1923.

180,644. APRONS, HOUSE AND STREET DRESSES, AND SPORT AND STREET FROCKS. JOSEPH ZUKIN, Los Angeles, Calif.
Filed March 22, 1923. Serial No. 177,888. PUBLISHED DECEMBER 18, 1923.

180,645. KNITTED SWEATERS AND VESTS. THE B R BAKER CO., Toledo, Ohio.
Filed February 1, 1923. Serial No. 175,376. PUBLISHED DECEMBER 18, 1923.

180,646. CHEMICALS FOR THE REMOVAL OF SULPHUR AND OTHER IMPURITIES FROM METALS. CHEMICAL TREATMENT COMPANY, New York, N. Y.
Filed February 26, 1923. Serial No. 176,602. PUBLISHED DECEMBER 18, 1923.

180,647. MEDICATED HEALTH TONIC. MARY ANN KIMBLE, New Orleans, La.
Filed February 23, 1923. Serial No. 176,481. PUBLISHED DECEMBER 18, 1923.

180,648. SOFT DRINKS. SAMUEL SELTZER, doing business as Seltzer & Rydholm, Inc., Auburn, Me.
Filed February 15, 1923. Serial No. 176,101. PUBLISHED DECEMBER 18, 1923.

180,649. OINTMENT FOR THE TREATMENT OF ECZEMA AND OTHER SKIN DISEASES. WILLIAM ANDREWS, Niagara Falls, N. Y.
Filed January 29, 1923. Serial No. 175,231. PUBLISHED DECEMBER 18, 1923.

180,650. BREAD. CHARLES GARLEK, doing business as 56th St. Quality Bakery, Philadelphia, Pa.
Filed April 5, 1923. Serial No. 178,605. PUBLISHED DECEMBER 18, 1923.

180,651. CONFECTIONERY, AND SPECIFICALLY CRUMBS OF BAKED BRAN MIXED WITH CRUMBS OF ROASTED NUT KERNELS CONGLOMERATED WITH CANDY. SPONGETTE PURE FOOD COMPANY, INC., Pittsburgh, Pa.
Filed April 2, 1923. Serial No. 178,478. PUBLISHED DECEMBER 18, 1923.

180,652. WORK SHIRTS, TROUSERS, AND OVERALLS. BLUE RIDGE MANUFACTURING COMPANY, INCORPORATED, Alexandria, Va.
Filed March 22, 1923. Serial No. 177,824. PUBLISHED DECEMBER 11, 1923.

180,653. WORK SHIRTS, TROUSERS, AND OVERALLS. BLUE RIDGE MANUFACTURING COMPANY, INCORPORATED, Alexandria, Va.
Filed March 22, 1923. Serial No. 177,822. PUBLISHED DECEMBER 11, 1923.

180,654. PERFUMES, TOILET WATER, AND EAU DE COLOGNE. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,100. PUBLISHED DECEMBER 18, 1923.

180,655. ASTHMA TREATMENT. GEORGE E. REMICK, doing business as Remlock Hills Laboratory, Denver, Colo.
Filed May 2, 1923. Serial No. 180,081. PUBLISHED DECEMBER 18, 1923.

180,656. RAW MATERIALS AND ESSENTIAL OILS, EITHER CONCENTRATE OR SYNTHETIC, SUITABLE FOR MANUFACTURING TOILET PREPARATIONS. ROBERT M. FROEHLICH, doing business as Dr. Robert M. Froehlich, New York, N. Y.
Filed April 23, 1923. Serial No. 179,529. PUBLISHED NOVEMBER 20, 1923.

180,657. BREAD. THE HEIMBACH BAKING COMPANY, Allentown, Pa.
Filed April 17, 1923. Serial No. 179,270. PUBLISHED DECEMBER 18, 1923.

180,658. TOILET LOTION FOR CHAPPED HANDS AND FACE. MAX S. HOECHSTETTER, Pittsburgh, Pa.
Filed June 6, 1923. Serial No. 181,599. PUBLISHED DECEMBER 18, 1923.

180,659. HARD-WHEAT FLOUR. KELL MILLING COMPANY, Vernon, Tex.
Filed May 25, 1923. Serial No. 181,127. PUBLISHED DECEMBER 18, 1923.

180,660. CERTAIN NAMED TOILET PREPARATIONS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,103. PUBLISHED DECEMBER 18, 1923.

180,661. PERFUMES. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,102. PUBLISHED DECEMBER 18, 1923.

180,662. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 10, 1923. Serial No. 183,028. PUBLISHED DECEMBER 18, 1923.

180,663. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 5, 1923. Serial No. 182,802. PUBLISHED DECEMBER 18, 1923.

180,664. CHILDREN'S AND INFANTS' WEARING APPAREL. HARVEY FROHLICHSTEIN, St. Louis, Mo.
Filed July 5, 1923. Serial No. 182,796. PUBLISHED DECEMBER 11, 1923.

180,665. CANNED CRAB MEAT. TAIYO TRADING COMPANY, INC., New York, N. Y.
Filed June 20, 1923. Serial No. 182,274. PUBLISHED DECEMBER 18, 1923.

180,666. PREPARATIONS USED FOR THE PREVENTION AND TREATMENT OF GERM DISEASES. GENERAL LABORATORIES, Madison, Wis.
Filed June 12, 1923. Serial No. 181,885. PUBLISHED DECEMBER 18, 1923.

180,667. ELECTRIC FANS. CONSOLIDATED ELECTRIC COMPANY, Chicago, Ill.
Filed October 13, 1923. Serial No. 186,946. PUBLISHED DECEMBER 4, 1923.

180,668. PLUG SOCKETS HAVING SIDE OUTLETS TO RECEIVE PLUG-IN DEVICES. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed October 12, 1923. Serial No. 186,865. PUBLISHED DECEMBER 4, 1923.

180,669. ELECTRICAL CONDENSERS. RADIO CONDENSER CO., Camden, N. J.
Filed October 11, 1923. Serial No. 186,856. PUBLISHED DECEMBER 4, 1923.

180,670. CRAYONS OF VARIOUS COLORS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed October 1, 1923. Serial No. 186,437. PUBLISHED DECEMBER 11, 1923.

180,671. CRAYONS OF VARIOUS COLORS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed October 1, 1923. Serial No. 186,438. PUBLISHED DECEMBER 11, 1923.

180,672. ELECTRICAL PLUG CLUSTERS HAVING TWO OR MORE OUTLETS. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed October 5, 1923. Serial No. 186,582. PUBLISHED DECEMBER 4, 1923.

180,673. FLEXIBLE ELECTRICAL CONDUITS AND INSULATED ELECTRICAL CONDUCTORS. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I.
Filed October 9, 1923. Serial No. 186,763. PUBLISHED DECEMBER 4, 1923.

180,674. CRAYONS OF VARIOUS COLORS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed October 1, 1923. Serial No. 186,435. PUBLISHED DECEMBER 11, 1923.

180,675. LOUD-SPEAKING TELEPHONES. C. BRANDES, INC., New York, N. Y.
Filed September 19, 1923. Serial No. 185,915. PUBLISHED DECEMBER 4, 1923.

180,676. AUTOGRAPHIC REGISTERS AND PARTS THEREOF. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed September 27, 1923. Serial No. 186,266. PUBLISHED DECEMBER 11, 1923.

180,677. ELECTRICAL FUSES. ECONOMY FUSE AND MANUFACTURING COMPANY, Chicago, Ill.
Filed September 28, 1923. Serial No. 186,318. PUBLISHED DECEMBER 4, 1923.

180,678. TOILET PREPARATIONS. G. L. TAYLOR, doing business as Bluford Specialty Co., Bluford, Ill.
Filed August 30, 1923. Serial No. 185,192. PUBLISHED DECEMBER 4, 1923.

180,679. RADIOTELEPHONE RECEIVING LOOPS, RADIOFREQUENCY TRANSFORMERS, AUDIOFREQUENCY TRANSFORMERS, RADIOTELEPHONE BROADCASTING RECEIVING SETS, AND LOUD SPEAKERS. MU-RAD LABORATORIES, INC., Asbury Park, N. J.
Filed September 11, 1923. Serial No. 185,665. PUBLISHED DECEMBER 4, 1923.

180,680. BLOTTING PAPER. HENRY WATKINS ELLERSON, doing business as Atlantic Blotting Paper Mills Co., Richmond, Va.
Filed September 15, 1923. Serial No. 185,820. PUBLISHED DECEMBER 11, 1923.

180,681. ESSENTIAL OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. MORANA, INCORPORATED, New York, N. Y.
Filed August 29, 1923. Serial No. 185,129. PUBLISHED DECEMBER 4, 1923.

180,682. ESSENTIAL OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. MORANA, INCORPORATED, New York, N. Y.
Filed August 29, 1923. Serial No. 185,130. PUBLISHED DECEMBER 4, 1923.

180,683. ESSENTIAL OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. MORANA, INCORPORATED, New York, N. Y.
Filed August 29, 1923. Serial No. 185,131. PUBLISHED DECEMBER 4, 1923.

180,684. ESSENTIAL OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. MORANA, INCORPORATED, New York, N. Y.
Filed August 29, 1923. Serial No. 185,132. PUBLISHED DECEMBER 4, 1923.

180,685. ESSENTIAL OILS SUITABLE FOR THE PRODUCTION OF PERFUMES. MORANA, INCORPORATED, New York, N. Y.
Filed August 29, 1923. Serial No. 185,133. PUBLISHED DECEMBER 4, 1923.

180,686. MEDICINE FOR CERTAIN AILMENTS. E. M. THOMAS, Bessemer, Ala.
Filed August 22, 1923. Serial No. 184,875. PUBLISHED DECEMBER 18, 1923.

180,687. CANNED PINEAPPLE. HENRY P. BALDWIN, LTD., doing business as Baldwin Packers, Lahaina, Territory of Hawaii.
Filed October 22, 1923. Serial No. 187,283. PUBLISHED DECEMBER 18, 1923.

180,688. CANNED FRUITS AND BERRIES. STARR FRUIT PRODUCTS CO., Portland, Oreg.
Filed October 22, 1923. Serial No. 187,356. PUBLISHED DECEMBER 18, 1923.

180,689. LIGHT-WEIGHT WRITING AND PRINTING PAPER. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass.
Filed October 31, 1923. Serial No. 187,713. PUBLISHED DECEMBER 18, 1923.

180,690. WRITING TABLETS, SCHOOL TABLETS, COMPOSITION BOOKS, STUDENT NOTEBOOKS, ENVELOPES, PAPETERIES, LOOSE-LEAF PACKAGE PAPER, AND LOOSE-LEAF BINDERS. OSBORN PAPER COMPANY, Marion, Ind.
Filed October 31, 1923. Serial No. 187,764. PUBLISHED DECEMBER 18, 1923.

180,691. ANALEPTIC AGENT. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 27, 1923. Serial No. 186,298. PUBLISHED DECEMBER 18, 1923.

180,692. ODOR-PREVENTING PREPARATION. HENRY P. EASTON, Jr., doing business as Easton Odor-Lue Co., Denver, Colo.
Filed September 20, 1923. Serial No. 186,358. PUBLISHED DECEMBER 11, 1923.

180,693. ANALEPTIC AGENT. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 29, 1923. Serial No. 186,395. PUBLISHED DECEMBER 18, 1923.

180,694. A TONIC FOR FEMALE USE. THACHER MEDICINE COMPANY, Chattanooga, Tenn.
Filed September 29, 1923. Serial No. 186,398. PUBLISHED DECEMBER 18, 1923.

180,695. ANILINE DYE SOLUBLE IN WATER EMPLOYED AS BLUING. SANDS & ROSS, INC., New YORK, N. Y.
Filed October 1, 1923. Serial No. 186,447. PUBLISHED DECEMBER 11, 1923.

180,696. CANNED SALMON. ALASKA PACIFIC FISHERIES, Seattle, Wash.
Filed October 22, 1923. Serial No. 187,277. PUBLISHED DECEMBER 18, 1923.

180,697. BATH SALTS. EDWARD S. JOHNSON, Wellesley Hills, Mass.
Filed September 26, 1923. Serial No. 186,236. PUBLISHED DECEMBER 11, 1923.

180,698. DENTAL CREAM. VIBRO-DENTAL PRODUCTS INCORPORATED, Philadelphia, Pa.
Filed September 26, 1923. Serial No. 186,259. PUBLISHED DECEMBER 11, 1923.

180,699. LIP ROUGE. THE REMILLER CO., New York, N. Y.
Filed September 27, 1923. Serial No. 186,292. PUBLISHED DECEMBER 11, 1923.

180,700. PRESERVATIVE FOR POUND AND TRAP NETS USED IN SEA WATER. GEORGE A. HEUER, Bellaire, N. Y.
Filed September 26, 1923. Serial No. 186,231. PUBLISHED DECEMBER 11, 1923.

180,701. COTTON CLOTH IN THE PIECE. LEO J. MARSHUETZ, doing business as Marshuetz & Company, Montgomery, Ala.
Filed October 24, 1922. Serial No. 171,133. PUBLISHED DECEMBER 18, 1923.

180,702. CERTAIN KNIT GOODS IN THE PIECE. ARTHUR F. HUEBNER, Bay City, Mich.
Filed February 20, 1923. Serial No. 176,345. PUBLISHED DECEMBER 25, 1923.

180,703. LADIES' SILK GLOVES. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed September 10, 1923. Serial No. 185,563. PUBLISHED DECEMBER 11, 1923.

180,704. SWIMMING APPARATUS. GREGERS G. B. KJELGAARD, Hoosick Falls, N. Y.
Filed November 1, 1923. Serial No. 187,822. PUBLISHED DECEMBER 18, 1923.

180,705. DINNER, TEA, AND TABLE CHINA AND EARTHENWARE. GEORGE JONES & SONS, LIMITED, Stoke-upon-Trent, England.
Filed June 14, 1921. Serial No. 149,139. PUBLISHED DECEMBER 18, 1923.

180,706. LINEN THREAD. THE LINEN THREAD COMPANY, also doing business as The Finlayson Flax Spinning Co., Boston, Mass.
Filed March 15, 1922. Serial No. 160,711. PUBLISHED DECEMBER 25, 1923.

180,707. CERTAIN NAMED EARTHENWARE AND CHINA, PORCELAIN AND CROCKERY WARE. GOLDENBERG'S, Washington, D. C.
Filed October 12, 1922. Serial No. 170,644. PUBLISHED DECEMBER 25, 1923.

180,708. FRESH APPLES. NATIONAL FRUIT PRODUCT COMPANY, INC., Alexandria, Va.
Filed September 29, 1923. Serial No. 186,388. PUBLISHED DECEMBER 18, 1923.

180,709. PORTABLE NINEPIN GAME. BERNAL H. DYAS, Los Angeles, Calif.
Filed October 23, 1923. Serial No. 187,376. PUBLISHED DECEMBER 18, 1923.

180,710. COFFEE. COFFEE PRODUCTS CORPORATION, New York, N. Y.
Filed October 25, 1923. Serial No. 187,453. PUBLISHED DECEMBER 18, 1923.

180,711. CANNED FRUITS. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 25, 1923. Serial No. 187,463. PUBLISHED DECEMBER 18, 1923.

180,712. CANNED BEANS AND PORK, CANNED VEGETABLES, AND CANNED CLAMS. BURNHAM & MORRILL COMPANY, Portland, Me.
Filed September 10, 1923. Serial No. 185,557. PUBLISHED DECEMBER 18, 1923.

180,713. CLOTHING FOR MEN, WOMEN, AND CHILDREN. R & W HAT SHOP, INC., Norwalk, Conn.
Filed September 11, 1923. Serial No. 185,673. PUBLISHED DECEMBER 11, 1923.

180,714. CORSETS. BONWIT TELLER & CO., New York, N. Y.
Filed September 13, 1923. Serial No. 185,741. PUBLISHED DECEMBER 11, 1923.

180,715. LADIES' HATS. H. L. DISTILLATOR & SON, INC., New York, N. Y.
Filed September 26, 1923. Serial No. 186,221. PUBLISHED DECEMBER 11, 1923.

180,716. SOFT DRINK AND SIRUP. VESS JONES, doing business as Whiz Company, New York, N. Y.
Filed September 29, 1923. Serial No. 186,380. PUBLISHED DECEMBER 18, 1923.

180,717. BAKING POWDER. FRANK C. VANDERBOGET, New York, N. Y.
Filed September 1, 1923. Serial No. 185,269. PUBLISHED DECEMBER 18, 1923.

180,718. TOOTH-STAIN REMOVER. MEDICO-DENTAL SPECIALTY CO., San Diego, Calif.
Filed September 5, 1923. Serial No. 185,344. PUBLISHED DECEMBER 18, 1923.

180,719. LEATHER AND FABRIC GLOVES. P. CENTEMERI & CO., New York, N. Y.
Filed September 7, 1923. Serial No. 185,429. PUBLISHED DECEMBER 11, 1923.

180,720. BOOTS, SHOES, AND SLIPPERS, AND THEIR COMPONENTS—NAMELY, STIFFENERS, COUNTERS, PUFFS, TOE CASES, TOE CAPS, SOLES, HEELS AND SOCKS OF LEATHER, FABRIC, RUBBER, WOOD, COMPO, OR COMBINATIONS THEREOF. DAVID BAIRD MACDONALD, Leicester, England.
Filed August 4, 1923. Serial No. 184,087. PUBLISHED DECEMBER 18, 1923.

180,721. PERFUMES, TOILET WATERS, FACE POWDERS, FACE CREAMS, AND ROUGE. LOUIS PHILIPPE, New York, N. Y.
Filed August 4, 1923. Serial No. 184,095. PUBLISHED DECEMBER 18, 1923.

180,722. MEDICINE FOR THE STOMACH, LIVER, KIDNEYS, AND BOWELS. GEO. C. SHARROW, doing business as Life Medicine Company, Columbus, Ohio.
Filed August 4, 1923. Serial No. 184,105. PUBLISHED DECEMBER 18, 1923.

180,723. MEN'S AND BOYS' KNITTED AND TEXTILE ATHLETIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS. HODES MILLS INC., New York, N. Y.
Filed August 14, 1923. Serial No. 184,451. PUBLISHED DECEMBER 18, 1923.

180,724. PLASTER. UNIVERSAL GYPSUM COMPANY, Chicago, Ill.
Filed August 16, 1923. Serial No. 184,572. PUBLISHED DECEMBER 18, 1923.

180,725. MEN'S AND BOYS' KNITTED AND TEXTILE ATHLETIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS. HODES MILLS INC., New York, N. Y.
Filed August 14, 1923. Serial No. 184,452. PUBLISHED DECEMBER 18, 1923.

180,726. CAUSTIC SODA. UNITED STATES ALKALI EXPORT ASSOCIATION INC., New York, N. Y.
Filed August 2, 1923. Serial No. 184,009. PUBLISHED DECEMBER 18, 1923.

180,727. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed July 28, 1923. Serial No. 183,794. PUBLISHED DECEMBER 18, 1923.

180,728. URINARY ANTISEPTIC. THE CLAUSEN-ZOLLER COMPANY, St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,819. PUBLISHED DECEMBER 18, 1923.

180,729. TOOTH PASTE FOR THE TREATMENT AND PREVENTION OF PYORRHEA. MAR-SON MEDICINE CO., St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,844. PUBLISHED DECEMBER 18, 1923.

180,730. GAME TRAPS. NORWICH WIRE WORKS, INC., Norwich, N. Y.
Filed July 30, 1923. Serial No. 183,848. PUBLISHED DECEMBER 18, 1923.

180,731. MILK, CREAM, BUTTERMILK, BUTTER, AND CHEESE. THE HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA, Chicago, Ill.
Filed August 2, 1923. Serial No. 183,973. PUBLISHED DECEMBER 18, 1923.

180,732. TALCUM POWDERS. CLARA TETLOW, doing business as Tetlow Manufacturing Co., Philadelphia, Pa.
Filed July 18, 1923. Serial No. 183,422. PUBLISHED DECEMBER 18, 1923.

180,733. STOCK FEED. ARKADELPHIA MILLING COMPANY, Arkadelphia, Ark.
Filed July 25, 1923. Serial No. 183,641. PUBLISHED DECEMBER 18, 1923.

180,734. COMPLEXION CREAM. MRS. E. W. INGRAM, Peoria, Ill.
Filed July 25, 1923. Serial No. 183,654. PUBLISHED DECEMBER 18, 1923.

180,735. BOILER COMPOUND. BENNETT RUBBER CO. INC., Los Angeles, Calif.
Filed July 27, 1923. Serial No. 183,729. PUBLISHED DECEMBER 18, 1923.

180,736. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 16, 1923. Serial No. 183,287. PUBLISHED DECEMBER 18, 1923.

180,737. VANISHING CREAM. MARGUERITE SULLIVAN Philadelphia, Pa., assignor to Eugene J. Reefer and Marguerite Sullivan, both of Philadelphia, Pa., trading as Domino House, Philadelphia, Pa.
Filed July 18, 1923. Serial No. 183,419. PUBLISHED DECEMBER 18, 1923.

180,738. LUNG MEDICINE. ROBERT WHITFIELD LOGAN, Fort Smith, Ark.
Filed July 10, 1923. Serial No. 183,038. PUBLISHED DECEMBER 18, 1923.

180,739. TEA USED IN THE TREATMENT OF OBESITY. WILLIAM C. BOETHLING, doing business as Mariba Co., Passaic, N. J.
Filed July 16, 1923. Serial No. 183,247. PUBLISHED DECEMBER 18, 1923.

180,740. RAW MILK, PASTEURIZED MILK, CERTIFIED MILK, RAW CREAM, PASTEURIZED CREAM, CERTIFIED CREAM, BUTTERMILK, ICE CREAM AND ICES, AND COTTAGE CHEESE. SUPPLEE-WILLS-JONES MILK COMPANY, Philadelphia, Pa.
Filed May 6, 1922. Serial No. 163,473. PUBLISHED DECEMBER 18, 1923.

180,741. MERINGUE AND ICING POWDER. ROY J. BURGESS, doing business as E-Z Fluff Manufacturing Company, New York, N. Y.
Filed April 19, 1922. Serial No. 162,536. PUBLISHED NOVEMBER 27, 1923.

180,742. AUTOMOBILE TRANSMISSIONS. PARTRIDGE, SINGER & BALDWIN, INC., Wilmington, Del., and New York, N. Y.
Filed March 7, 1922. Serial No. 160,300. PUBLISHED OCTOBER 16, 1923.

180,743. CERTAIN NAMED TOILET PREPARATIONS. SCHRAMM-JOHNSON, DRUGS, Salt Lake City, Utah.
Filed February 16, 1921. Serial No. 143,666. PUBLISHED DECEMBER 18, 1923.

180,744. A CERTAIN NAMED MEDICINAL PREPARATION. JAIME FERRAN CLUA, Barcelona, Spain.
Filed June 23, 1922. Serial No. 165,914. PUBLISHED DECEMBER 18, 1923.

180,745. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS. SCHADT BROTHERS, Allentown, Pa.
Filed June 20, 1922. Serial No. 165,763. PUBLISHED DECEMBER 18, 1923.

180,746. HEADACHE AND NEURALGIA POWDERS. THE COLUMBUS CHEMICAL COMPANY, Columbus, Ohio.
Filed June 20, 1922. Serial No. 165,747. PUBLISHED DECEMBER 18, 1923.

180,747. PACKAGES OR OUTFITS CONTAINING MATERIALS FOR MAKING LAMP SHADES, NIGHT LIGHTS, TELEPHONE SCREENS, AND NOVELTY BASKETS, SUCH AS WASTE BASKETS, WORK BASKETS, AND SEWING BASKETS. BERNARD W. COWEN CORP., New York, N. Y.
Filed June 30, 1922. Serial No. 166,286. PUBLISHED DECEMBER 18, 1923.

180,748. PACKAGES OR OUTFITS CONTAINING MATERIALS FOR MAKING LAMP SHADES, NIGHT LIGHTS, TELEPHONE SCREENS, AND NOVELTY BASKETS, SUCH AS WASTE BASKETS, WORK BASKETS, AND SEWING BASKETS. BERNARD W. COWEN CORP., New York, N. Y.
Filed June 30, 1922. Serial No. 166,285. PUBLISHED DECEMBER 18, 1923.

180,749. BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, OR TEXTILE MATERIAL. THOMAS G. PLANT COMPANY, Boston, Mass.
Filed September 1, 1922. Serial No. 169,322. PUBLISHED NOVEMBER 7, 1922.

180,750. CANNED SALMON. SEA COAST PACKING CO., Seattle, Wash.
Filed August 24, 1922. Serial No. 168,648. PUBLISHED DECEMBER 18, 1923.

180,751. SOFT DRINKS, SIRUP, ETC. AMERICAN SYRUP COMPANY, INC., Boston, Mass.
Filed August 14, 1922. Serial No. 168,191. PUBLISHED DEC. 18, 1923.

180,752. DESIGNS AND PHOTOGRAPHS ON GLASS AND METAL. THE PHOTOPLATING COMPANY, Minneapolis, Minn.
Filed July 6, 1922. Serial No. 166,536. PUBLISHED DECEMBER 18, 1923.

180,753. LEMON VANISHING CREAM, FOUNDATION CREAM, LEMON EMOLLIENT, COLD AND CLEANSING CREAM, LEMON CREAM. JAMES T. GALLAGHER, doing business as Edith Frances, Miami, Fla.
Filed January 6, 1923. Serial No. 174,240. PUBLISHED DECEMBER 18, 1923.

180,754. OINTMENT FOR PILES, CORNS, BUNIONS, CALLI, CHAFING, SCALDS, BURNS, CHAPPED HANDS, CHAPPED LIPS, RINGWORMS, AND CHILBLAINS. JOSEPH FORCIER, doing business as Joseph Forcier & Co., New Bedford, Mass.
Filed September 25, 1922. Serial No. 169,898. PUBLISHED DECEMBER 18, 1923.

180,755. CERTAIN MEDICAL AND PHARMACEUTICAL COMPOUNDS. CLEMENS LAGEMAN, doing business as H. Trommsdorff, Aix-La-Chapelle, Germany.
Filed November 15, 1922. Serial No. 172,067. PUBLISHED DECEMBER 18, 1923.

180,756. OUTER SUITS OF CLOTH AND LEATHER. CHARLOTTE EVANS REITH, Carthage, Mo.
Filed November 16, 1922. Serial No. 172,122. PUBLISHED MAY 29, 1923.

180,757. HOSIERY. IPSWICH MILLS, Boston, Mass.
Filed November 21, 1922. Serial No. 172,334. PUBLISHED SEPTEMBER 18, 1923.

180,758. GRANULAR EFFERVESCING SALT COMPOUND. PHYSIO-CHEMICAL LABORATORIES, INC., Salt Lake City, Utah.
Filed December 21, 1922. Serial No. 173,672. PUBLISHED DECEMBER 18, 1923.

180,759. ONE-PIECE KNITTED UNDERWEAR COMPRISING LADIES' UNION SUITS, LADIES' VESTS, AND BATHING SUITS. AUGUSTA KNITTING CORPORATION, Utica, N. Y.
Filed January 8, 1923. Serial No. 174,283. PUBLISHED DECEMBER 11, 1923.

180,760. SOFT-DRINK SIRUPS. ROBERT HOUSTON SMITH, Lewisburg, Tenn.
Filed August 13, 1923. Serial No. 184,427. PUBLISHED DECEMBER 18, 1923.

180,761. A CERTAIN NAMED MEDICINAL PREPARATION. THE "H. W." COMPANY, St. Louis, Mo.
Filed August 14, 1923. Serial No. 184,447. PUBLISHED DECEMBER 18, 1923.

180,762. WORKING CLOTHES FOR MEN AND BOYS, COMPRISING OVERALLS—NAMELY, JACKETS, PANTS, COATS, APRONS, AND ONE-PIECE OUTER GARMENTS MADE FROM COTTON FABRICS OF ALL KIND AND SUCH OTHER FABRICS WHICH ARE USED IN THE MAKING OF GARMENTS OF THIS NATURE. THE BENDER COMPANY, Milwaukee, Wis.
Filed August 18, 1923. Serial No. 184,633. PUBLISHED DECEMBER 11, 1923.

180,763. INCUBATORS, BROODERS, TRAP NESTS, PORTABLE CHICKEN HOUSES, AND INCUBATOR PEDIGREE HATCHING BASKETS. NEWTOWN GIANT INCUBATOR CORPORATION, Harrisonburg, Va.
Filed August 9, 1923. Serial No. 184,254. PUBLISHED DECEMBER 18, 1923.

180,764. INDIGESTION AND DYSPEPSIA REMEDIES. COFIELD LABORATORIES, INC., Philadelphia, Pa.
Filed August 11, 1923. Serial No. 184,324. PUBLISHED DECEMBER 18, 1923.

180,765. MASSAGE CREAM. JACQUES ROMANO, New York, N. Y.
Filed August 10, 1923. Serial No. 184,295. PUBLISHED DECEMBER 18, 1923.

180,766. COFFEE. AMERICAN TEA & COFFEE CO., Nashville, Tenn.
Filed August 30, 1923. Serial No. 185,170. PUBLISHED DECEMBER 18, 1923.

180,767. CANDY. THE BONITA CO., Fond du Lac, Wis.
Filed August 18, 1923. Serial No. 184,637. PUBLISHED DECEMBER 18, 1923.

180,768. A CERTAIN NAMED MEDICINAL PREPARATION. SOCIETE FRANCAISE DE RECHERCHES ET APPLICATIONS SCIENTIFIQUES, Paris, France.
Filed August 7, 1923. Serial No. 184,188. PUBLISHED DECEMBER 18, 1923.

180,769. PREPARATION FOR GASTRO-INTESTINAL DISEASES. SOCIETE FRANCAISE DE RECHERCHES ET APPLICATIONS SCIENTIFIQUES, Paris, France.
Filed August 7, 1923. Serial No. 184,189. PUBLISHED DECEMBER 18, 1923.

180,770. TOILET DEODORANT. THE LA VALLIERE CO., New Orleans, La.
Filed August 2, 1923. Serial No. 183,980. PUBLISHED DECEMBER 18, 1923.

180,771. INSECTICIDES AND FUNGICIDES. HENRY L. RENARD, Philadelphia, Pa.
Filed August 2, 1923. Serial No. 183,993. PUBLISHED DECEMBER 18, 1923.

180,772. CHEMICAL HEAT BAGS. SUPERIOR CHEMICAL COMPANY, Chicago, Ill.
Filed August 2, 1923. Serial No. 183,998. PUBLISHED DECEMBER 18, 1923.

180,773. MEDICINAL TONIC. FONTOLA MEDICINE CO., Fort Smith, Ark.
Filed August 1, 1923. Serial No. 183,912. PUBLISHED DECEMBER 18, 1923.

180,774. SALT. BERNARD & BLANCHARD, Albany, N. Y.
Filed August 1, 1923. Serial No. 183,902. PUBLISHED DECEMBER 18, 1923.

180,775. BREAKFAST CEREAL. WARD BAKING COMPANY, New York, N. Y.
Filed July 20, 1923. Serial No. 183,509. PUBLISHED DECEMBER 18, 1923.

180,776. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 10, 1923. Serial No. 183,032. PUBLISHED DECEMBER 18, 1923.

180,777. BLOOD MEDICINE. ROBERT WHITFIELD LOGAN, Fort Smith, Ark.
Filed July 10, 1923. Serial No. 183,037. PUBLISHED DECEMBER 18, 1923.

180,778. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 20, 1923. Serial No. 183,478. PUBLISHED DECEMBER 18, 1923.

180,779. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 10, 1923. Serial No. 183,031. PUBLISHED DECEMBER 18, 1923.

180,780. INFANTS', CHILDREN'S, JUNIORS', MISSES', AND LADIES' DRESSES, COATS, SUITS, WAISTS, SWEATERS, HOSIERY, AND KNITTED AND TEXTILE FABRIC UNDERWEAR FOR WOMEN AND CHILDREN; LEATHER AND FABRIC GLOVES; WOMEN'S AND CHILDREN'S HATS; LEATHER, RUBBER, AND FABRIC SHOES. M. GERLA & SON, New York, N. Y.
Filed August 29, 1923. Serial No. 185,118. PUBLISHED DECEMBER 18, 1923.

180,781. UNDERWEAR MANUFACTURED FROM TEXTILE FABRIC FOR WOMEN AND CHILDREN. HARRY K. GROUT, doing business as H. K. Grout & Co., Cedar Rapids, Iowa.
Filed August 20, 1923. Serial No. 184,725. PUBLISHED DECEMBER 18, 1923.

180,782. FRESH GRAPES. NAVELENCIA FRUIT GROWERS, Navelencia, Calif.
Filed August 17, 1923. Serial No. 184,618. PUBLISHED DECEMBER 18, 1923.

180,783. LEATHER AND FABRIC GLOVES. P. CENTEMERI & CO., New York, N. Y.
Filed September 7, 1923. Serial No. 185,436. PUBLISHED DECEMBER 11, 1923.

180,784. LEATHER AND FABRIC GLOVES AND KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, IN ONE, TWO, AND THREE PIECE GARMENTS, AND HOSIERY. P. CENTEMERI & CO., New York, N. Y.
Filed September 7, 1923. Serial No. 185,414. PUBLISHED DECEMBER 18, 1923.

180,785. CORN REMEDY. SAMUEL L. ALLEN, doing business as Phoenix Drug Store, Monroe, La.
Filed September 7, 1923. Serial No. 185,399. PUBLISHED DECEMBER 11, 1923.

180,786. PLAY AND SCHOOL SUITS FOR BOYS AND GIRLS, ALSO LADIES' AND MEN'S KNICKER AND OUTING SUITS. THE DELAWARE GARMENT COMPANY, Delaware, Ohio.
Filed September 6, 1923. Serial No. 185,364. PUBLISHED NOVEMBER 20, 1923.

180,787. LADIES' COATS, CAPES, SUITS, AND DRESSES. A. BELLER & COMPANY, New York, N. Y.
Filed September 6, 1923. Serial No. 185,359. PUBLISHED DECEMBER 18, 1923.

180,788. COAL. THE MONSARRAT BROTHERS COAL CO., Columbus, Ohio.
Filed September 6, 1923. Serial No. 185,373. PUBLISHED DECEMBER 18, 1923.

180,789. ASPHALT MELTER. OSCAR FALKENWALDE, doing business as The O. F. Oil Burner Company, Baltimore, Md.
Filed September 25, 1923. Serial No. 186,180. PUBLISHED DECEMBER 18, 1923.

180,790. MEN'S HATS. WEBER AND HEILBRONER, New York, N. Y.
Filed September 14, 1923. Serial No. 185,805. PUBLISHED DECEMBER 11, 1923.

180,791. SELF-CONTAINED UNITS FOR STORING AND SUPPLYING GAS FOR HEATING, LIGHTING, AND POWER PURPOSES. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 11, 1923. Serial No. 185,651. PUBLISHED DECEMBER 18, 1923.

180,792. FIELD, GARDEN, AND FLOWER SEEDS, ONION SETS, AND BULBS. LEONARD SEED COMPANY, Chicago, Ill.
Filed September 8, 1923. Serial No. 185,525. PUBLISHED DECEMBER 18, 1923.

180,793. DRESS APRONS. M. E. SMITH & CO., INC., Omaha, Nebr.
Filed October 13, 1923. Serial No. 186,968. PUBLISHED DECEMBER 18, 1923.

180,794. GAS HEATERS OF THE RADIANT TYPE. THE TROLLEY SUPPLY CO., Massillon, Ohio.
Filed October 3, 1923. Serial No. 186,532. PUBLISHED DECEMBER 18, 1923.

180,795. WOMEN'S AND MISSES' HATS, DRESSES, COATS, WRAPS, AND CAPES. MAISON MAURICE, INC., New York, N. Y.
Filed October 2, 1923. Serial No. 186,481. PUBLISHED DECEMBER 18, 1923.

180,796. HOSIERY. BETHLEHEM NARROW TEXTILES CO., Bethlehem, Pa.
Filed October 19, 1923. Serial No. 187,194. PUBLISHED DECEMBER 18, 1923.

180,797. LEATHER COATS AND VESTS. FRIED. OSTERMANN COMPANY, Milwaukee, Wis.
Filed October 17, 1923. Serial No. 187,104. PUBLISHED DECEMBER 18, 1923.

180,798. WOMEN'S COATS, SUITS, DRESSES, BLOUSES, HOSIERY, HATS, SWEATERS, AND FUR GARMENTS AND FUR PIECES. AVEDON & CO., INC., New York, N. Y.
Filed October 16, 1923. Serial No. 187,032. PUBLISHED DECEMBER 18, 1923.

180,799. SMOKING TOBACCO. LARUS & BROTHER COMPANY, Richmond, Va.
Filed October 19, 1923. Serial No. 187,226. PUBLISHED DECEMBER 25, 1923.

180,800. CHOCOLATE-COVERED CANDY BAR. THE SHOTWELL MFG. CO., Chicago, Ill.
Filed February 4, 1922. Serial No. 158,898. PUBLISHED DECEMBER 11, 1923.

180,801. MACARONI. WISCONSIN MACARONI COMPANY, Chicago, Ill.
Filed January 20, 1922. Serial No. 158,205. PUBLISHED DECEMBER 18, 1923.

180,802. FLAVORING EXTRACTS FOR FOOD PURPOSES. ARTHUR BECK, doing business as Arthur Beck Co., Not Inc., Chicago, Ill.
Filed April 15, 1921. Serial No. 146,196. PUBLISHED DECEMBER 11, 1923.

180,803. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, JAM, OLIVE OIL, AND OLIVES. MABEL HARDING, doing business as Karavan Packing Co., Philadelphia, Pa.
Filed June 3, 1922. Serial No. 164,912. PUBLISHED DECEMBER 11, 1923.

180,804. PURE FLAVORING EXTRACTS, IMITATION FLAVORING EXTRACTS, PASTE VANILLAS AND PASTE COFFEES. ALL FOR USE AS INGREDIENTS OF FOODS. MERTON A. SHEPARDSON, doing business as Shepardson Extract Co., Springfield, Mass.
Filed February 20, 1922. Serial No. 159,623. PUBLISHED DECEMBER 11, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

180,805. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y. Filed Nov. 17, 1923. Serial No. 188,513.

FADEPROOF

Particular description of goods.—Piece Dyed and Printed Cotton and Silk and Cotton Textiles.
Claims use since Nov. 23, 1922.

180,806. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHAS. A. BRANSTON, INC., Buffalo, N. Y. Filed Oct. 22, 1923. Serial No. 187,293.

BRANSTON

Particular description of goods.—Radio Equipment—Namely, Lightning Arresters, Telephone Plugs, Head Sets, Inductance Coils, Inductance-Coil Supports, Inductance-Coil Mountings, Audiofrequency Transformers, Series-Parallel Switches, Jacks, and Loud Speakers.
Claims use since April, 1922, for lightning arresters and telephone plugs; since May, 1922, for head sets and radio inductance coils and radio inductance-coil supports; since June, 1922, for radio inductance-coil mountings; since July, 1922, on audiofrequency transformers and series-parallel switches; since August, 1922, on jacks; since September, 1922, on loud speakers.

180,807. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOHLER COMPANY, Kohler, Wis. Filed Dec. 4, 1922. Serial No. 172,888.

KOHLER OF KOHLER

Particular description of goods.—Bathtubs, Lavatories; Sinks, Roll Rim and Flat Rim; Kitchen and Slop Sinks, Sink Backs, Drainboards, Urinals, Water-Closets, Laundry Tubs, Grease Traps, Waste Traps, and Legs, Brackets, and Hangers for the Above Mentioned Articles; Closet Tanks, Traps, Sitz Baths, Foot Tubs, Receptors for Use in Connection with Showers, Baby Baths, Lavatory Bowls, Closet Bowls, Closet Tanks, Sanitary Drinking Fountains, Sinks Known as Laundry Trays, and Combination Sinks and Laundry Trays.
Claims use since June, 1921.

180,808. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GONG BELL MANUFACTURING COMPANY, East Hampton, Conn. Filed June 9, 1922. Serial No. 165,234.

PLACART - 700

Particular description of goods.—Toys—Namely, Carts, Wheelbarrows, Pushmobiles, Bicycles, and Tricycles.
Claims use since Jan. 12, 1922.

180,809. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PITTSBURGH TRANSFORMER COMPANY, Pittsburgh, Pa. Filed Mar. 9, 1921. Serial No. 144,541.

PITTSBURGH
PRESSED STEEL CASE
TRANSFORMER

Particular description of goods.—Casings for Electrical Transformers.
Claims use since about Jan. 1, 1914.

180,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREYER-SHARPLESS MILK ASSOCIATION, Philadelphia, Pa. Filed Apr. 28, 1923. Serial No. 179,851.

GOOD MORNING—NOON AND NIGHT
Breyer—Sharpless

Particular description of goods.—Pasteurized Milk, Buttermilk, Pasteurized Cream, Whipping Cream, and Sour Cream.
Claims use since Jan. 19, 1923.

180,811. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BROWER CANDY CO., Atlanta, Ga. Filed Mar. 29, 1923. Serial No. 178,215.

SHORT CAKE

Particular description of goods.—Ice-Cream Cones.
Claims use since Aug. 1, 1922.

180,812. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRED MERRILL JEWELL, doing business as Jewell Models for Biology, Carlinville, Ill. Filed Feb. 23, 1923. Serial No. 176,476.

JEWELL

Particular description of goods.—Biological Models.
Claims use since Dec. 8, 1922.

180,813. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 176,125.

Heller's
REG U S PAT OFF

Particular description of goods.—Extracts, Flavors, and Flavorings for Use in Flavoring Food Products.
Claims use since 1894.

180,814. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) LANSBURGH & BRO. INC., Washington, D. C. Filed Dec. 27, 1922. Serial No. 173,901.

Lansburgh & Bro.

Particular description of goods.—Table and Kitchen Ware Made of Crockery, Porcelain, and Chinaware; White and Decorated Earthenware, Flowerpots, Jardinières, and Crockery Toilet Sets.
Claims use since about Sept. 25, 1922.

180,815. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,826.

Style No. 35 | GARLOCK LAKE BRAND SQUARE FLAX THE GARLOCK PACKING CO.

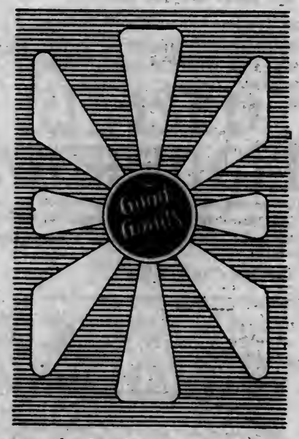
Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

180,816. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PURE PRODUCTS SYRUP CORPORATION, New York, N. Y. Filed July 18, 1923. Serial No. 183,406.

BENEDICTINE

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup for Making the Same.
Claims use since Jan. 1, 1919.

180,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. WILKES & CO., INC., Nashville, Tenn. Filed July 7, 1923. Serial No. 182,947.



The lines on the drawing are for shading only.
Particular description of goods.—Poultry, Horse, Dairy, Grain, and Mill Feeds and Wheat Flour.
Claims use since Aug. 21, 1922.

180,818. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) PABST CORPORATION, Milwaukee, Wis. Filed Sept. 1, 1923. Serial No. 185,260.



Particular description of goods.—Beer.
Claims use since May 9, 1903.

180,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDROTH BROTHERS, Brooklyn, N. Y. Filed Aug. 22, 1923. Serial No. 184,866.

Lindroth's

Particular description of goods.—Candies, Bonbons, Ice Creams, and Water Ices.
Claims use since prior to Jan. 1, 1910.

180,820. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,840.

Style No. 262 | GARLOCK SPECIAL HYDRAULIC COIL THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

180,821. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22. 1923. Serial No. 184,831.

Style No. 107 | GARLOCK HIGH PRESSURE DIAGONAL COIL THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since July, 1907.

180,822. (CLASS 12. CONSTRUCTION MATERIALS.) LALLY COLUMN COMPANY, Cambridge, Mass. Filed Sept. 10. 1923. Serial No. 185,602.

LALLY

Particular description of goods.—Building Columns, Steel or Iron Tubing Filled with Concrete or Other Plastic Material.
Claims use since 1897.

180,823. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,479.

GENUINE LORRAINE TUK-A-PAW

Particular description of goods.—Cotton, Wool, and Silk Goods in the Piece.
Claims use since May 15, 1922.

180,824. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Sept. 7, 1923. Serial No. 185,478.

GENUINE LORRAINE FAMO-FABRIC

Particular description of goods.—Cotton Goods in the Piece and Cotton and Silk Goods in the Piece.
Claims use since May 15, 1922.

180,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES S. CASH, INC., New York, N. Y. Filed Oct. 12, 1923. Serial No. 186,871.

CHARLES S. CASH, INC.
"Every good nut that grows"

Particular description of goods.—Nuts Candied, Salted, and in Their Natural State; Glacé Fruit Candies.
Claims use since October, 1919.

180,826. (CLASS 39. CLOTHING.) NIAGARA SHOE COMPANY, INC., Buffalo, N. Y. Filed Sept. 11, 1923. Serial No. 185,667.

Niagara

Particular description of goods.—Shoes of Leather and Rubber and of Leather, Rubber, and Fabric.
Claims use since Jan. 1, 1910.

180,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY M. PHILLIPS, doing business as Phillips Milling Co., Sacramento, Calif. Filed Oct. 22, 1923. Serial No. 187,344.

PHILLIPS

Particular description of goods.—Waffle and Pancake Flour.
Claims use since February, 1922.

180,828. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM H. JONES, Marion, Ind. Filed Nov. 20, 1923. Serial No. 188,593.

GLASS DASH

Particular description of goods.—Stucco.
Claims use since Feb. 1, 1918.

180,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL CARBIDE CORPORATION, New York, N. Y. Filed Oct. 25, 1923. Serial No. 187,474.

NATIONAL

Particular description of goods.—Calcium Carbide.
Claims use since October, 1921.

180,830. (CLASS 38. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,800.

SHORTER SCHOOL

Particular description of goods.—Dictionaries.
Claims use since Nov. 4, 1914.

180,831. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HECKLER BROS., Pittsburgh, Pa. Filed Dec. 15, 1923. Serial No. 189,715.

HECKLER

Particular description of goods.—Furnaces, Stoves, and Ranges Wherein Either Coal or Gas, or Both, is Used as Fuel.
Claims use since Oct. 1, 1905.

180,832. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NILS ALFRED ANDERSON, Brooklyn, N. Y. Filed Dec. 13, 1923. Serial No. 189,638.

THE ANDERSON TRU-POINT

Particular description of goods.—Tool for Grinding Electric Contact Points.
Claims use since about Sept. 1, 1922.

180,833. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CHRISTENSEN MACHINE CO., Racine, Wis. Filed Nov. 26, 1923. Serial No. 188,985.

CHRISTENSEN

Particular description of goods.—Signature-Stitching Machines, Signature-Feeding Machines, and Printing Machinery.
Claims use since about April, 1907.

180,834. (CLASS 38. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,803.

REVISED UNABRIDGED

Particular description of goods.—Dictionaries.
Claims use since Aug. 29, 1913.

180,835. (CLASS 38. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,802.

NEW HANDY

Particular description of goods.—Dictionaries.
Claims use since Oct. 15, 1918.

180,836. (CLASS 38. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,801.

ELEMENTARY-SCHOOL

Particular description of goods.—Dictionaries.
Claims use since Oct. 1, 1914.

180,837. (CLASS 25. LOCKS AND SAFES.) THE NATIONAL LOCK WASHER COMPANY, Newark, N. J. Filed Dec. 18, 1923. Serial No. 189,862.

National

Particular description of goods.—Sash Locks.
Claims use since January, 1900.

180,838. (CLASS 38. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,806.

NEW IDEAL

Particular description of goods.—Dictionaries.
Claims use since Nov. 6, 1918.

180,839. (CLASS 28. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,805.

NEW INTERNATIONAL

Particular description of goods.—Dictionaries.
Claims use since Sept. 17, 1909.

180,840. (CLASS 28. PRINTS AND PUBLICATIONS.) G. & C. MERRIAM COMPANY, Springfield, Mass. Filed Dec. 17, 1923. Serial No. 189,804.

SECONDARY-SCHOOL

Particular description of goods.—Dictionaries.
Claims use since Apr. 8, 1913.

180,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCDANIEL & CO., Atlanta, Ga. Filed Dec. 22, 1923. Serial No. 190,021.

WAKULLA

Particular description of goods.—Salt.
Claims use since December, 1915.

180,842. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KLOTZ SILK MANUFACTURING CO., INC., Clifton, N. J. Filed Jan. 4, 1924. Serial No. 190,417.

CREPE DE FUTUR

Particular description of goods.—Broad-Silk Fabrics
Claims use since January, 1922.

180,843. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923. Serial No. 190,217.

STANDARD OIL COMPANY OF LOUISIANA

Particular description of goods.—Leather Oil, Harness Oil, and Belt Dressing.
Claims use since Dec. 13, 1913.

TRADE-MARK REGISTRATIONS RENEWED.

23,788. BREAD, BISCUIT, AND FANCY CAKES. Registered November 7, 1893. RICHARD SMITH, Macclesfield, England. Renewed November 7, 1923, to Havis Limited, London, England, assignee.

23,977. PERFUMED TOILET PREPARATIONS. Registered January 2, 1894. LECARON ET FILS, Paris, France. Renewed January 2, 1924, to Lecaron Fils, Paris, France, assignee.

24,722. PHARMACEUTICAL PRODUCTS. Registered May 15, 1894. FARBENFABRIKEN, VORMALS FRIEDR. BAYER & CO., Elberfeld, Germany. Renewed May 15, 1924, to Winthrop Chemical Company, Inc., New York, N. Y., assignee.

24,756. CONDITION POWDERS. Registered May 22, 1894. WILLIAM G. TILGHMAN, Palatka, Fla. Renewed May 22, 1924, to Ackerman-Stewart Drug Co., Palatka, Fla., a Corporation of Florida, assignee.

24,762. FERTILIZERS. Registered May 22, 1894. EMIL WINTER COMPANY, Allegheny and Pittsburgh, Pa. Renewed May 22, 1924, to Pittsburgh Provision and Packing Company, Union Stock Yards, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

24,783. BLOOD-PURIFYING HERB TEAS. Registered May 29, 1894. WEBER'S MEDICAL TEA CO., Brooklyn, N. Y. Renewed May 29, 1924, to The Weber Medical Tea Company, Brooklyn, N. Y., a Corporation of West Virginia, assignee.

24,928. ANIMAL GREASE AND OILS. Registered June 26, 1894. EMIL WINTER COMPANY, Allegheny and Pittsburgh, Pa. Renewed June 26, 1924, to Pittsburgh Provision and Packing Company, Union Stock Yards, Pittsburgh, Pa., a Corporation of Pennsylvania, assignee.

LABELS

REGISTERED MARCH 4, 1924.

27,020.—*Title:* MY OWN BREAD. For Bread. BANSPACH BROS., Providence, R. I. Published December 23, 1923.

27,021.—*Title:* BARBASOL. For Shaving Cream. THE BARBASOL COMPANY, Indianapolis, Ind. Published September 19, 1923.

27,022.—*Title:* FLORIDA KAY BRAND. For Honey. C. E. BARTHOLOMEW, Miami, Fla. Published December 5, 1923.

27,023.—*Title:* BOSCH. For Spark Plugs and Accessories. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany. Published August 1, 1923.

27,024.—*Title:* FIVE POINT. For Honey (Strained). CALIFORNIA HONEY DISTRIBUTORS, Chico, Calif. Published December 15, 1923.

27,025.—*Title:* COLEMAN MANTLES. For Mantles for Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

27,026.—*Title:* GENERATORS. For Generators for Gas-Operated Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

27,027.—*Title:* COLEMAN JUNIOR MANTLES. For Mantles for Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

27,028.—*Title:* ONE COLEMAN QUICK-LITE GENERATOR. For Generators for Gas-Operated Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

27,029.—*Title:* FOR-GET-ME-NOT. For Evaporated Milk. THE DEFIANCE DAIRY PRODUCTS CO., Defiance, Ohio. Published November 22, 1923.

27,030.—*Title:* GREEN MOUNTAIN. For Bread. F. W. DENISON, St. Albans, Vt. Published January 14, 1924.

27,031.—*Title:* IRON MACHINE SCREWS ROUND HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,032.—*Title:* IRON MACHINE SCREWS FLAT HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,033.—*Title:* IRON MACHINE SCREWS FILLISTER HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,034.—*Title:* BRASS MACHINE SCREWS ROUND HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,035.—*Title:* BRASS MACHINE SCREWS FLAT HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,036.—*Title:* BRASS MACHINE SCREWS FILLISTER HEAD. For Screws. ECONOMY SCREW CORPORATION, Chicago, Ill. Published October 27, 1923.

27,037.—*Title:* ANDY HAS THE NAME BUT HERE IS THE BRUSH, ANDY'S DREAM REALIZED. For a Foldable Hairbrush. RUSSEL F. EGNER, Salt Lake City, Utah. Published November 22, 1923.

27,038.—*Title:* LE-O-PLUS. For Ointment. CHARLES S. ELIOPLOS, doing business as Le-O-Plus Laboratories, Peabody, Mass. Published January 15, 1924.

27,039.—*Title:* GOODMAN'S PURE EGG GRA-NU-DO. For Grated Noodle Dough. A. GOODMAN & SONS, INC., New York, N. Y. Published December 15, 1923.

27,040.—*Title:* MAL-TEX BREAD. For Bread. S. E. LOVELESS, INC., Philadelphia, Pa. Published January 12, 1924.

27,041.—*Title:* MOHR VEGETABLE EXTRACT. For a Vegetable Extract for Kitchen and Table Use. MOHR FOOD PRODUCTS, INC., Brooklyn, N. Y. Published December 26, 1923.

27,042.—*Title:* MOHR TASTIDISH. For a Vegetable Extract for Kitchen and Table Use. MOHR FOOD PRODUCTS, INC., Brooklyn, N. Y. Published December 26, 1923.

27,043.—*Title:* MOHR ZEST. For Highly-Concentrated Essence of Vegetables for Kitchen and Table Use. MOHR FOOD PRODUCTS, INC., Brooklyn, N. Y. Published December 18, 1923.

27,044.—*Title:* BLUCO. For Wash Bluing. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Published January 1, 1924.

27,045.—*Title:* NO-LEAK-O OIL SEALING. For Piston Rings. NO-LEAK-O PISTON RING COMPANY, Muskegon, Mich. Published January 16, 1924.

27,046.—*Title:* VELVET GREEN LAWN SEED. For Lawn Seed. NORTHRUP, KING & COMPANY, Minneapolis, Minn. Published December 20, 1923.

27,047.—*Title:* OBERMEYER'S MOCK TURTLE SOUP. For Mock Turtle Soup. CLARENCE OBERMEYER, Cincinnati, Ohio. Published November 19, 1923.

27,048.—*Title:* OR-BE-CO CHOICE HAND PICKED PURE MICHIGAN BEANS. For Bags Containing Beans. ORR BEAN & GRAIN COMPANY, Midland, Mich. Published October 13, 1923.

27,049.—*Title:* TEA TIME BREAD. For Bread. THE H. PIPER COMPANY, Chicago, Ill. Published January 25, 1924.

27,050.—*Title:* PURGO. For Medicinal Mineral Water. PURGO WATER CO., Martinsville, Ind. Published May 1, 1923.

27,051.—*Title:* OCEAN FLOWER. For Canned Shrimp. JAS. A. SMITH, Fernandina, Fla. Published January 26, 1924.

27,052.—*Title:* BELLE VERNON. For Pasteurized Milk. THE TELLING-BELLE VERNON CO., Cleveland, Ohio. Published June 9, 1923.

27,053.—*Title:* WHITE PEARL. For Spaghetti. THA-RINGER MACARONI COMPANY, Milwaukee, Wis. Published January 28, 1924.

27,054.—*Title:* SURGICAL NEEDLES. For Needles. W. H. WELSH & CO., Yonkers, N. Y. Published September 8, 1923.

PRINTS

REGISTERED MARCH 4, 1924.

7,232.—*Title:* FRENCH BREAD WRAPPERS. For Bread Wrappers. AMERICAN BREAD WRAPPER COMPANY, Chicago, Ill. Published January 9, 1924.

7,233.—*Title:* WEAR KNIT UNDERWEAR. For Knit Underwear. ASSOCIATED KNIT UNDERWEAR MANUFACTURERS OF AMERICA, Utica, N. Y. Published August 17, 1923.

7,234.—*Title:* CALUMET KID CALCULATOR. For Baking Powder. CALUMET BAKING POWDER COMPANY, Chicago, Ill. Published December 20, 1923.

7,235.—*Title:* GENERATORS. For Generators for Gas-Operated Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

7,236.—*Title:* COLEMAN MANTLES. For Mantles for Lamps and Lanterns. THE COLEMAN LAMP COMPANY, Wichita, Kans. Published December 12, 1923.

7,237.—*Title:* LES POUDRES DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published February 1, 1924.

7,238.—*Title:* LES POUDRES DE COTY. For Powders. COTY, INC., Wilmington, Del., and New York, N. Y. Published January 1, 1924.

7,239.—*Title:* TIME TO BUY EASTERBROOK COAL. For Coal. THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Published January 24, 1924.

7,240.—*Title:* WAIT UNTIL YOU TASTE IT. For Jell-O, a Dessert Preparation. THE GENESEE PURE FOOD COMPANY, Le Roy, N. Y. Published January 1, 1924.

7,241.—*Title:* JELL-O WITH APPLES. For Jell-O, a Dessert Preparation. THE GENESEE PURE FOOD COMPANY, Le Roy, N. Y. Published January 1, 1924.

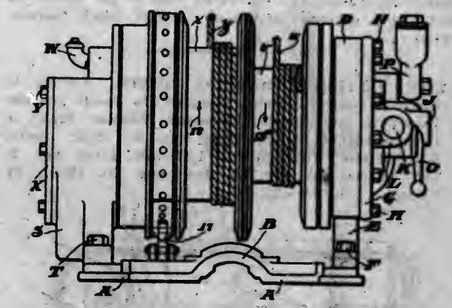
7,242.—*Title:* COMET RICE COOKS LIGHT, WHITE AND FLAKY. For Rice. SEABOARD RICE MILLING CO., Galveston, Tex., and New York, N. Y. Published November 26, 1923.

7,243.—*Title:* GEE, I LIKE IT. For Bread. WARD BAKING COMPANY, New York, N. Y. Published October 22, 1923.

REISSUES

MARCH 4, 1924.

15,780. HOIST. JESSE DITSON, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 22, 1923. Serial No. 676,465. Original No. 1,421,183, dated June 27, 1922, Serial No. 486,097, filed July 20, 1921. 24 Claims. (Cl. 254—185.)



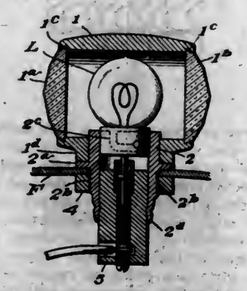
1. In a hoist, the combination of a frame, a driving shaft, two drums rotatable relatively to the driving shaft, a motor connected to operate the driving shaft, and means including a movable pawl mounted remote from the driving shaft between portions of the drums, for automatically disconnecting one drum and connecting the other drum to the driving shaft in accordance with the direction of rotation of the driving shaft.

15,781. STUD AND EYELET FASTENING DEVICE. GEORGE HENRY ELWELL, Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed July 17, 1923. Serial No. 652,176. Original No. 1,444,867, dated Feb. 13, 1923, Serial No. 542,669, filed Mar. 10, 1922. 17 Claims. (Cl. 24—211.)



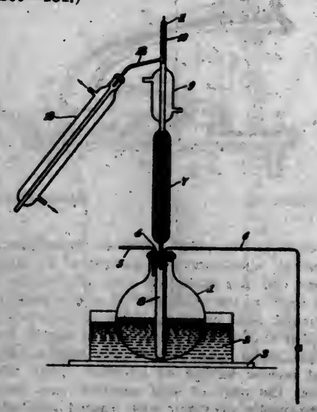
1. In a stud member the combination of a stud and eyelet fastening device, said stud member having an attaching means and provided with a two piece shank adapted for longitudinal alignment, one of said pieces being integral with said stud member and the other piece being pivotally mounted on said stud member and adapted to be presented at opposite exterior longitudinal surfaces of said shank; blocking means with which said pivotal piece is provided at its free extremity adapted to project laterally beyond the exterior surface of said shank only when said shank pieces are in alignment; and spring means normally adapted to maintain said pieces out of alignment; whereby said shank may be positively interlocked with an eyelet member when the eyelet is pressed onto said shank forcing said pieces into alignment and said blocking means into blocking position, and whereby said eyelet may be removed from said shank only by tipping said eyelet upon said stud member and pulling outwardly that portion of said eyelet located across the stud passage and directly opposite to that portion of said eyelet engaged by said blocking means.

15,782. PARKING LIGHT FOR AUTOMOBILES, ETC. ANGUS R. GROSS, Baltimore, Md. Filed Dec. 24, 1923. Serial No. 682,537. Original No. 1,380,058, dated May 31, 1921, Serial No. 401,134, filed Aug. 4, 1920. 6 Claims. (Cl. 240—7.)



4. For a parking light, a small T-shaped casing having openings in its opposite ends, and projecting multifaceted lenses secured in said openings and projecting beyond each end of the casing and means for attaching same to an automobile fender; substantially as described.

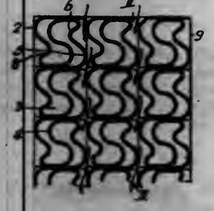
15,783. PROCESS OF DEHYDRATING ORGANIC LIQUIDS. JOHN A. S. HAMMOND, Woodlawn, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 15, 1923. Serial No. 680,916. Original No. 1,466,435, dated Aug. 28, 1923, Serial No. 525,797, filed Dec. 20, 1921. 13 Claims. (Cl. 260—151.)



3. The process of dehydrating ethers whose boiling points, and the boiling points of their constant boiling mixtures with water, are less than that of water, com-

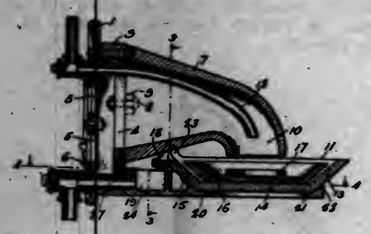
prising distilling them and passing their vapors in contact with sodium hydroxide in such a manner that the vapors are finally exposed to substantially anhydrous portions of the sodium hydroxide to accomplish dehydration.

15,784. RADIATOR CORE. GEORGE A. HOUSEMAN, Shreveport, La. Filed Mar. 23, 1923. Serial No. 627,223. Original No. 1,433,374, dated Oct. 24, 1922, Serial No. 472,112, filed May 24, 1921. 3 Claims. (Cl. 257—130.)



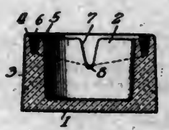
1. A radiator unit embodying a tube fashioned from a single strip bent upon itself to form, in a one piece structure, the outer wall of the tube and a partition connecting spaced portions of the tube and located within the tube, the partition being reversely curved to give the partition an S shape in cross section and to form longitudinal concavities in the partition, opposed portions of the wall of the tube being bulged inwardly, out of alinement with each other, in spaced relation to the ends of the tube and in alinement with the concavities of the partition, to form, in the completed radiator, a sinuous water passage.

15,785. OIL BURNER. CURTIS C. LILLIBRIDGE, Hutchinson, Kans. Filed Sept. 19, 1923. Serial No. 663,716. Original No. 1,391,641, dated Sept. 20, 1921, Serial No. 382,964, filed May 20, 1920. 6 Claims. (Cl. 158—91.)



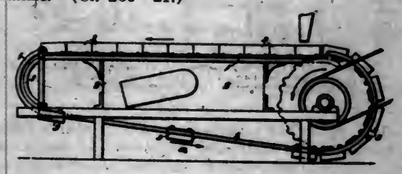
1. A device of the class described comprising a horizontal bracket, a substantially horizontal air supply neck fixed at one end and extending over said bracket in close proximity thereto, the other end of said neck being downwardly turned, said bracket having an overflow pan under the fixed end of said neck, and a burner resting on said bracket under said downwardly turned end of said neck, said burner having an overflow spout adapted to extend over the edge of said overflow pan, said burner being additionally provided with spaced lugs adapted to straddle said neck to properly position said spout.

15,786. SPONGE CUP. HUGH L. MCGINTY, Pittsburgh, Pa., assignor, by mesne assignments, to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 14, 1924. Serial No. 686,221. Original No. 1,405,142, dated Jan. 31, 1922, Serial No. 404,842, filed Aug. 20, 1920. 9 Claims. (Cl. 91—54.4.)



1. As an article of manufacture, a flat bottomed sponge cup having two concentric rims at the top of its side and a drainage groove of variable depth therebetween.

15,787. SINTERING-MACHINE GRATE. AUGUST L. LARSON, Kellogg, Idaho, assignor to Coeur d'Alene Hardware and Foundry Company, Wallace, Idaho, a Corporation of Idaho. Filed Mar. 31, 1923. Serial No. 629,180. Original No. 1,373,620, dated Apr. 5, 1921, Serial No. 404,778, filed Aug. 20, 1920. 31 Claims. (Cl. 266—21.)



1. In a grate for ore carriers or pallets, a series of relatively fixedly held grate irons and other grate irons cooperative with the fixedly held irons and movably mounted with respect to the said fixedly held irons and having a limited outward drop relatively to the fixedly held arms, as the pallet or carrier is inverted.

15,788. APPARATUS FOR GRINDING OR POLISHING PLATE GLASS. FREDERIC BARNES WALDRON, Prescot, England, assignor to Pilkington Brothers Limited, St. Helens, England, a Limited Liability Company of Great Britain. Filed Mar. 27, 1923. Serial No. 628,114. Original No. 1,370,246, dated Mar. 1, 1921, Serial No. 401,488, filed Aug. 5, 1920. 2 Claims. (Cl. 51—240.)



1. Apparatus for grinding or polishing plate glass consisting of a series of rectangular tables in contact each with its neighbors forming a continuous support for the plates of glass and slidingly supported on fixed guides, a framework above the series of tables, a series of sets of runners on vertical shafts, bearings for the shafts attached to the framework, means for moving the series of tables continuously from one end to the other of the series of sets of runners, means for removing a table from the moving series of tables after it has left the last set of runners, and means for adding a table to the moving series of tables before the first set of runners, the sets of runners being so spaced apart as to permit of the effective washing away of the abrasive between any two sets using different grades.

DESIGNS

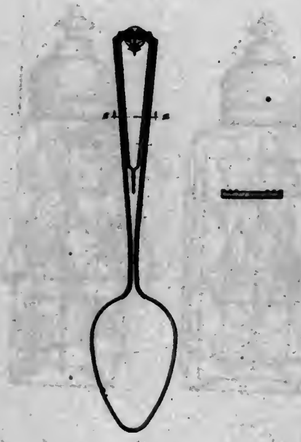
MARCH 4, 1924:

64,108. COMBINED HUSK AND SOCKET COVER. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Alfred Vester & Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 23, 1923. Serial No. 5,916. Term of patent 14 years.



The ornamental design for a combined husk and socket cover, as shown.

64,109. SPOON OR SIMILAR ARTICLE. WILLIAM COMAN, Providence, R. I. Filed Jan. 15, 1924. Serial No. 8,322. Term of patent 7 years.



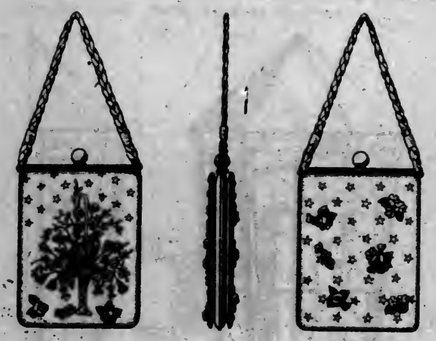
The ornamental design for a spoon or similar article as shown.

64,110. DINING-ROOM LIGHTING FIXTURE. ABRAHAM COOPER, Brooklyn, N. Y. Filed Aug. 21, 1923. Serial No. 7,050. Term of patent 3½ years.



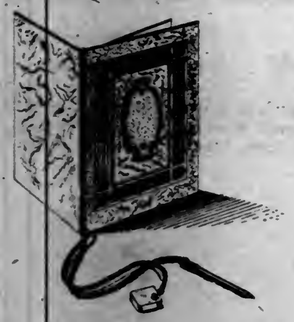
The ornamental design for a dining room lighting fixture, as shown.

64,111. POCKETBOOK. JEANNE D'ETREILLIS, New York, N. Y. Filed Nov. 2, 1923. Serial No. 7,658. Term of patent 14 years.



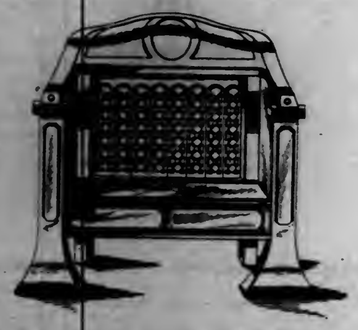
The ornamental design for a pocketbook as shown.

64,112. AUCTION-BRIDGE SCORE BOOK. J EMIL DEFROOS, New York, N. Y. Filed Mar. 12, 1923. Serial No. 5,452. Term of patent 3½ years.



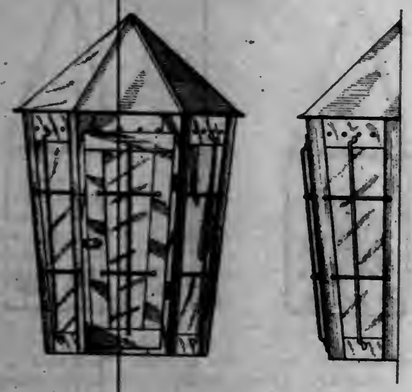
The ornamental design for an auction bridge score book as shown.

64,113. HEATER. CHARLES J. GRAYSON, Ashland, Ky. Filed Dec. 21, 1923. Serial No. 8,117. Term of patent 3½ years.



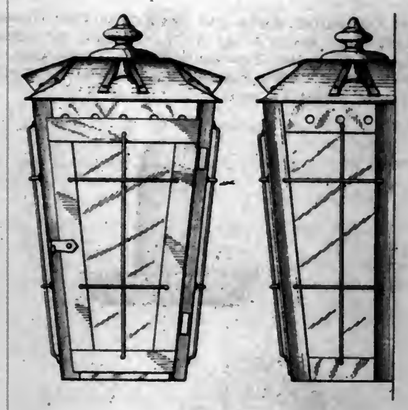
The ornamental design for a heater as shown.

64,114. LIGHTING FIXTURE. HARRY J. GRUBER, New York, N. Y. Filed Nov. 3, 1923. Serial No. 7,672. Term of patent 7 years.



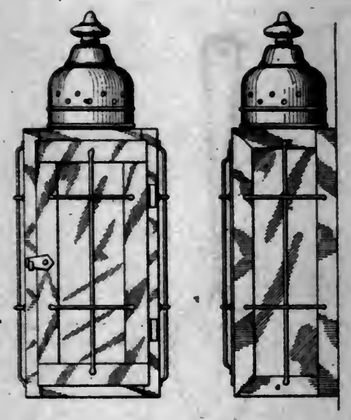
The ornamental design for a lighting fixture, as shown.

64,115. LIGHTING FIXTURE. HARRY J. GRUBER, New York, N. Y. Filed Nov. 3, 1923. Serial No. 7,673. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

64,116. LIGHTING FIXTURE. HARRY J. GRUBER, New York, N. Y. Filed Nov. 3, 1923. Serial No. 7,674. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

64,117. DOLL. CLARA V. HAVENS, New York, N. Y., assignor to The Karmen Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1923. Serial No. 7,645. Term of patent 14 years.



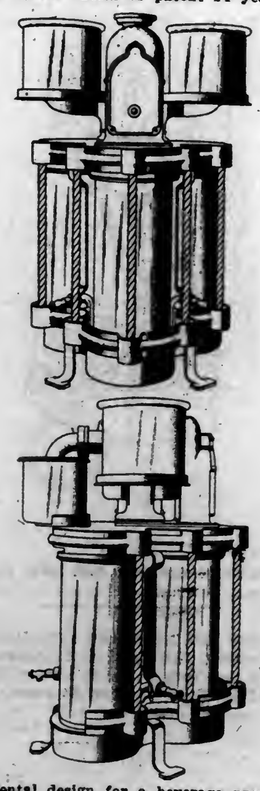
The ornamental design for a doll as shown.

64,118. DOLL. CLARA V. HAVENS, New York, N. Y., assignor to The Karmen Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1923. Serial No. 7,646. Term of patent 14 years.



The ornamental design for a doll as shown.

64,119. BEVERAGE PREPARING AND DISPENSING STAND. JACOB LEVIN, New York, N. Y., assignor to The Lebros Manufacturing Co., Inc., New York, N. Y., a Corporation of Massachusetts. Filed Oct. 18, 1923. Serial No. 7,542. Term of patent 14 years.



The ornamental design for a beverage preparing and dispensing stand as shown.

64,120. BRACKET FOR LIGHTING FIXTURES. GERHARD H. LIEFTUCHTER, Cincinnati, Ohio, assignor to The Electric Railway Equipment Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 18, 1923. Serial No. 7,035. Term of patent 14 years.



The ornamental design for a bracket for lighting fixtures as shown.

64,121. DESK LAMP. FRANK B. LINDOW, Milwaukee, Wis. Filed Jan. 10, 1923. Serial No. 4,858. Term of patent 3½ years.



The ornamental design for a desk lamp, as shown and described

64,122. GLOBE FOR LIGHTING FIXTURES. FREDERICK W. MATHIEU, New York, N. Y., assignor to Grace E. Mathieu, New York, N. Y. Filed May 12, 1922. Serial No. 2,201. Term of patent 14 years.



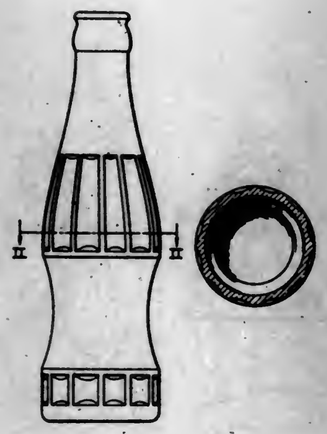
The ornamental design for a globe for lighting fixtures, as shown.

64,123. CABINET FOR WIRELESS RECEIVING APPARATUS. RALPH A. MCKINNEY, Pittsburgh, Pa. Filed July 29, 1922. Serial No. 3,246. Term of patent 7 years.



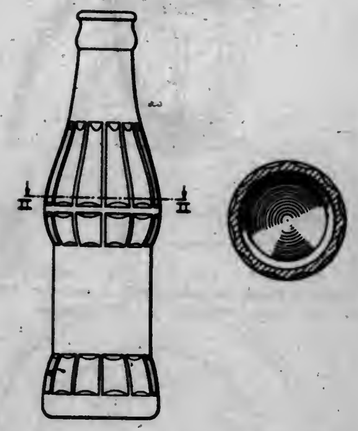
The ornamental design for a cabinet for wireless receiving apparatus, as shown.

64,124. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 19, 1923. Serial No. 8,094. Term of patent 14 years.



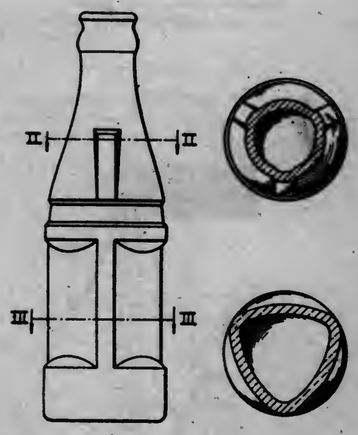
The ornamental design for a bottle, substantially as shown.

64,125. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 19, 1923. Serial No. 8,095. Term of patent 14 years.



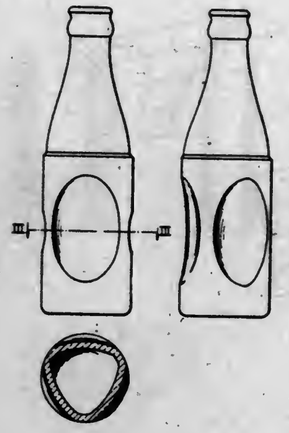
The ornamental design for a bottle, substantially as shown.

64,126. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 19, 1923. Serial No. 8,096. Term of patent 14 years.



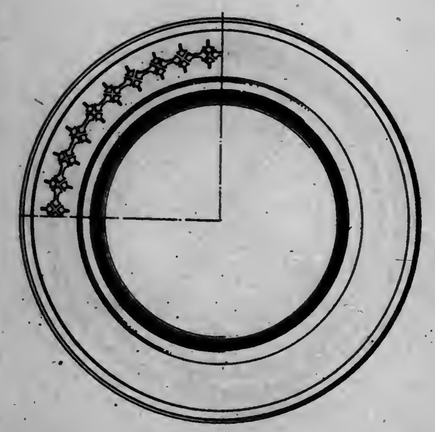
The ornamental design for a bottle, substantially as shown.

64,127. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 19, 1923. Serial No. 8,097. Term of patent 14 years.



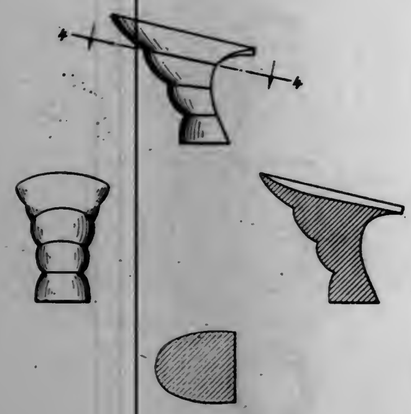
The ornamental design for a bottle, substantially as shown.

64,128. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Apr. 28, 1922. Serial No. 2,016. Term of patent 7 years.



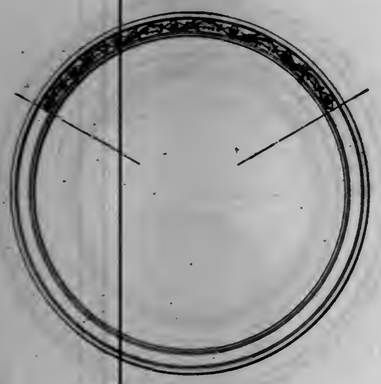
The ornamental design for a plate or analogous article, substantially as shown.

64,129. SHOE HEEL. WILLIAM H. NUTT, Newburyport, Mass. Filed Apr. 28, 1922. Serial No. 2,015. Term of patent 7 years.



The ornamental design for a shoe heel, as shown.

64,130. PLATE OR ANALOGOUS ARTICLE. GEORGE F. PARKER, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed May 13, 1921. Serial No. 469,385. Term of patent 7 years.



The ornamental design for a plate or analogous article, substantially as shown.

64,131. ASH RECEIVER. FRANK PARISEK, Chicago, Ill. Filed Nov. 24, 1923. Serial No. 7,873. Term of patent 7 years.



The ornamental design for an ash receiver as shown.

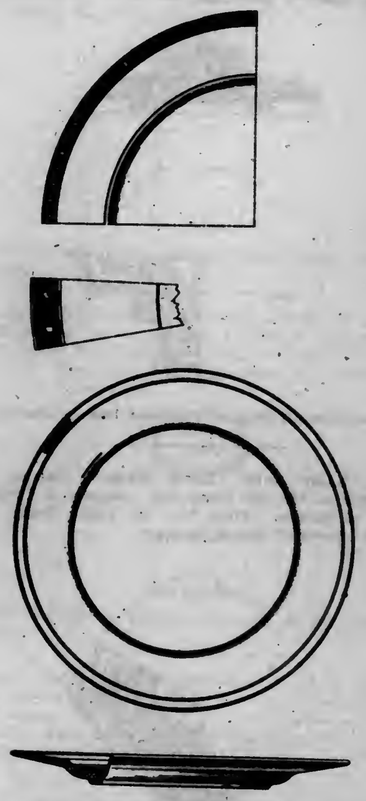
64,132. COMBINED TOILET AND WRITING STAND. EDWARD P. POOR, Scranton, Pa. Filed Oct. 17, 1923. Serial No. 7,522. Term of patent 3½ years.





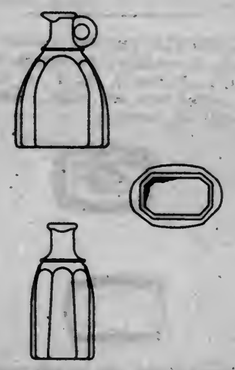
The ornamental design for combined toilet and writing stand as shown.

64,133. PLATE OR SIMILAR ARTICLE. EDWARD JOHN RIDGWAY, Staten Island, N. Y. Filed May 4, 1923. Serial No. 6,061. Term of patent 7 years.



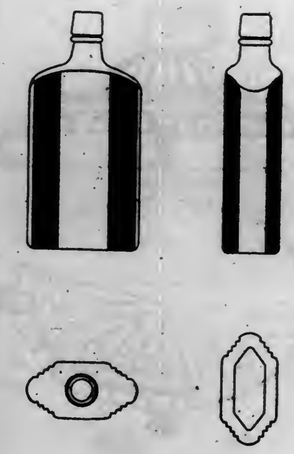
The ornamental design for a plate or similar article as shown and described.

64,134. DECANTER. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Dec. 13, 1923. Serial No. 8,005. Term of patent 14 years.



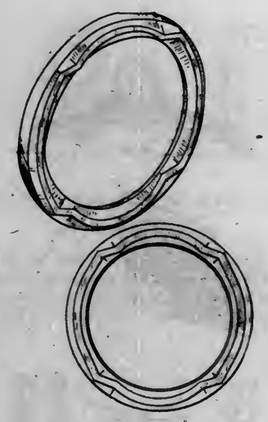
The ornamental design for a decanter as shown.

64,135. FLASK. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Dec. 17, 1923. Serial No. 8,065. Term of patent 7 years.



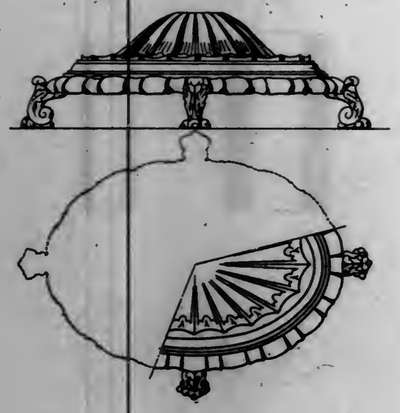
The ornamental design for a flask, as shown.

64,136. LAMP DOOR. ERNEST O. SEITZ, Detroit, Mich., assignor to C. M. Hall Lamp Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1923. Serial No. 5,590. Term of patent 14 years.



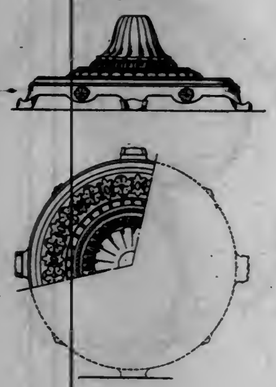
The ornamental design for a lamp door, substantially as shown.

64,137. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to The Art Lamp Mfg. Company, a Corporation of Illinois. Filed Oct. 15, 1923. Serial No. 7,495. Term of patent 3½ years.



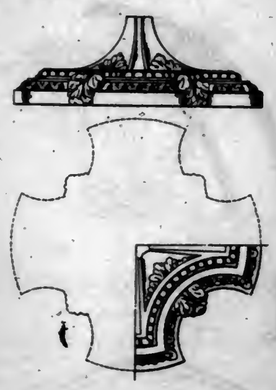
The ornamental design for a lamp base as shown.

64,138. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to The Art Lamp Mfg. Company, a Corporation of Illinois. Filed Oct. 15, 1923. Serial No. 7,496. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

64,139. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to The Art Lamp Mfg. Company, a Corporation of Illinois. Filed Oct. 15, 1923. Serial No. 7,498. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

64,140. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to The Art Lamp Mfg. Company, a Corporation of Illinois. Filed Oct. 15, 1923. Serial No. 7,499. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

64,141. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,874. Term of patent 3½ years.



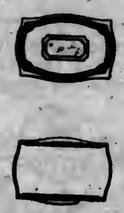
The ornamental design for a belt buckle frame, as shown.

64,142. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,875. Term of patent 3½ years.



The ornamental design for a belt buckle frame, as shown.

64,143. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,876. Term of patent 3½ years.



The ornamental design for a belt buckle frame, as shown.

64,144. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,877. Term of patent 3½ years.



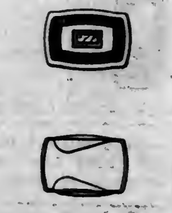
The ornamental design for a belt buckle frame, as shown.

64,145. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,879. Term of patent 3½ years.



The ornamental design for a belt buckle frame, as shown.

64,146. BELT-BUCKLE FRAME. LOWELL W. SHIELDS, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,880. Term of patent 3½ years.



The ornamental design for a belt buckle frame, as shown.

64,147. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,881. Term of patent 3½ years.



The ornamental design for a belt slide, as shown.

64,148. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,882. Term of patent 3½ years.



The ornamental design for a belt slide, as shown.

64,149. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., A Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,883. Term of patent 7 years.



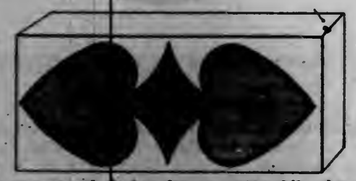
The ornamental design for a belt slide, as shown.

64,150. BELT SLIDE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 7,884. Term of patent 3½ years.



The ornamental design for a belt slide, as shown.

64,151. AUTOMOBILE SIGNAL BOX. GEORGE STAGI, Los Altos, Calif. Filed July 20, 1923. Serial No. 6,814. Term of patent 3½ years.



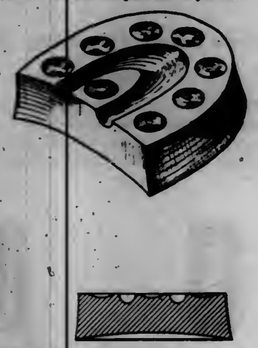
The ornamental design for an automobile signal box, substantially as shown.

64,152. BOTTLE. DANIEL B. SWEENEY, Middletown, N. Y. Filed Sept. 11, 1922. Serial No. 3,691. Term of patent 14 years.



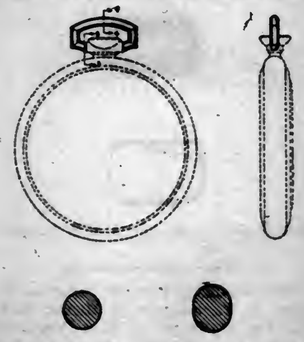
The ornamental design for a bottle, as shown.

64,153. RUBBER HEEL. ISAAC WAGENMAKER, Athens, Tenn., and ELMER G. BRETZIN, Knisley, and VERNE C. FOSTER, Birmingham, Ala. Filed Sept. 12, 1922. Serial No. 3,707. Term of patent 7 years.



The ornamental design for a rubber heel, as shown.

64,154. WATCHCASE BOW. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed June 26, 1923. Serial No. 6,578. Term of patent 14 years.



The ornamental design for a watchcase bow, substantially as shown.

64,155. ORNAMENTAL LAMP. VICTOR R. WILL, Sacramento, Calif. Filed Oct. 17, 1923. Serial No. 7,529. Term of patent 3½ years.



The ornamental design for an ornamental lamp as shown.

64,156. ORNAMENTAL LAMP. VICTOR R. WILL, Sacramento, Calif. Filed Oct. 19, 1923. Serial No. 7,552. Term of patent 3½ years.

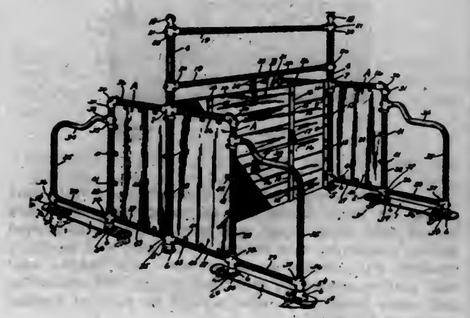


The ornamental design for an ornamental lamp as shown.

PATENTS

GRANTED MARCH 4, 1924.

1,485,356. SHOW STALL FOR CATTLE. ROBERT J. ACKERMAN, Minneapolis, Minn., assignor to Hudson Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 25, 1920. Serial No. 419,366. 8 Claims. (Cl. 119—27.)



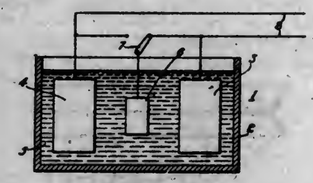
1. A demountable show stall for animals having in combination central upstanding main posts, spaced auxiliary posts arranged at each side of said main posts in a line normal to that connecting the said main posts, a solid partition extending between said main posts and secured thereto, horizontal members connecting said main and auxiliary posts substantially at the height of said partition, horizontal members connecting said main and auxiliary posts adjacent the bottom thereof, and solid panels extending between said auxiliary posts, main posts and horizontal members on each side of said central partition.

1,485,357. VANITY CASE. SAMUEL S. ABBS, New York, N. Y. Filed Dec. 9, 1922. Serial No. 605,847. 4 Claims. (Cl. 132—83.)



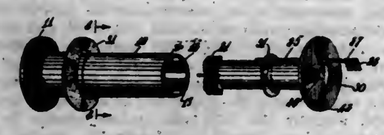
1. A vanity case comprising two hingedly connected sections, one of said sections having a plurality of cosmetic receiving compartments therein, and the second section having a sliding mirror and a concealed cigarette or change compartment when opened, the second section constituting a closure for the first mentioned section.

1,485,358. ELECTROLYTIC CONDENSER. CHESTER T. ALLCUTT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1919. Serial No. 348,371. 4 Claims. (Cl. 175—315.)



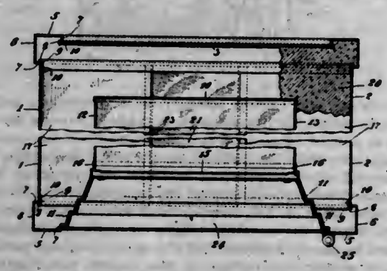
1. An electrolytic condenser comprising a plurality of film-forming electrodes immersed in a suitable electrolyte and connected to an electrical supply circuit, and means for adding additional electrode surface to the electrodes alternately.

1,485,359. FASTENER. PETER BALLAZ, West New York, N. J. Filed Apr. 9, 1923. Serial No. 631,048. 6 Claims. (Cl. 85—5.)



1. A device of the class described comprising a cylindrical female element having a series of longitudinal ribs formed on its inner face, and a male element having hook-like projections adapted to engage behind said ribs, flange extensions on the inner ends of said ribs adapted to prevent displacement of said hooks from behind said ribs in one rotative direction, and a key carried by the male element and adapted to prevent disengagement of said hooks from said ribs in an opposite direction.

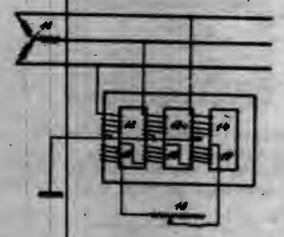
1,485,360. METALLIC STRUCTURE. CARL BARTELS, Hamilton, Ohio, and DAVID H. BELLAMORE, New York, N. Y., assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed July 7, 1921. Serial No. 482,893. 8 Claims. (Cl. 109—20.)



1. In safe construction, a metallic framing member having a central web portion providing two flanges angularly disposed one to the other, an inwardly extend-

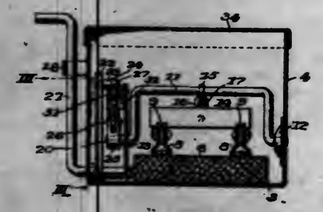
ing flange along the outer extremity of each of said flanges, and a groove open outwardly along the inner edge of each of said inwardly extending flanges, said grooves being adapted to receive unturned edges of flat wall plates, and the inner side of each of said grooves being extended and abutting against the inner surface of a plate when its edge is in the groove.

1,485,361. MEANS FOR SUPPRESSING THE GROUND CURRENTS. RICHARD BAUCH, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Filed July 6, 1921. Serial No. 482,840. 5 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



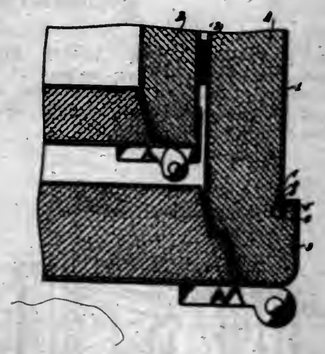
1. System for suppressing accidental grounding currents occurring in high tension alternating current systems, comprising a transformer having its primary winding connected to the system and the neutral point of said winding connected directly to ground, and having its secondary winding electrically loaded to a sufficient extent so that, in case of accidental grounding of the system, the current passing from said neutral point to ground approximates the value of the accidental ground current, whereby the inductance acting counter to the accidental ground current is considerably smaller than the working inductance of the system.

1,485,362. SWITCH MECHANISM. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 3, 1921. Serial No. 489,453. 5 Claims. (Cl. 200—67.)



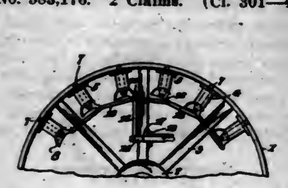
1. Switch mechanism comprising a housing, a switch pivoted within the housing, an operating member for the switch pivoted at one end to the side wall of the housing, a bracket within the housing for pivotally supporting the other end of the operating member, an operating lever operable from the exterior of the housing and pivoted to the side wall of the housing and having an operating crank within the housing, toggle members pivotally connected to the said crank and the said operating member, and a spring for collapsing the toggle for imparting opening or closing movement to the switch when one leg of the toggle is moved over the dead center of the toggle by the said crank.

1,485,363. SAFE CONSTRUCTION. DAVID H. BELLAMORE, New York, N. Y., and CARL BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed May 16, 1922. Serial No. 561,454. 4 Claims. (Cl. 109—2.)



1. In safe construction, in combination, a safe part having an inner flange and an outer flange extending beyond said inner flange and having a resilient curved bottom connecting said flanges, and a safe wall having a straight, flat portion seated between said flanges, said wall portion contacting said inner flange, and contacting said outer flange at a point beyond its point of contact with said inner flange.

1,485,364. ADJUSTABLE TRACTION CLEAT. CLARENCE C. BLACK, Brookville, Ohio. Filed Aug. 21, 1922. Serial No. 583,176. 2 Claims. (Cl. 301—46.)

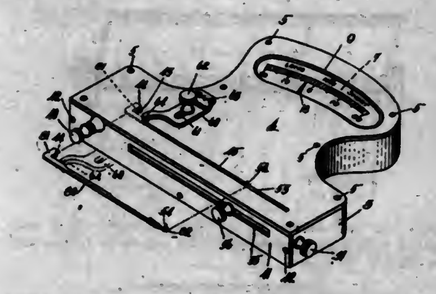


1. A traction wheel, a rim, brackets supported on the inner surface of the rim and each having a central bore therethrough registering with an opening in said rim, traction spurs positioned in said bores of said brackets, a cam pivotally supported in each of said brackets and held in engagement with the projecting spur therein, means for connecting the cams together and means pivotally supported on one of the spokes of the wheel for operating the cams and moving the projecting spurs beyond the surface of the rim simultaneously.

1,485,365. CALIPER FOR MEASURING VARIATIONS IN LATCH NEEDLES. ROYALL D. BRADBURY, Andover, Mass. Filed Dec. 13, 1921. Serial No. 521,973 5 Claims. (Cl. 33—147.)

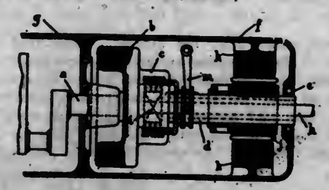
1. A caliper for latch needles comprising a relatively fixed member constructed and arranged to be engaged by the surface of the inner face of a latch needle hook, a complemental movable member constructed and arranged to engage the inner face of the butt of said needle, means to control the position of said needle in engagement with said members whereby the distance between said members represents the distance between the inner face of said hook and the inner face of said butt measured on a line from the inner face of said hook substantially

normal to the inner face of said butt, an indicator arranged to be operated by the movable member, and means when said members are engaged by a templet or



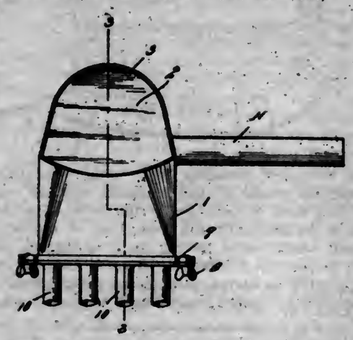
needle to adjust said templet or needle and members to bring the indicator to a zero reading without disturbing the relative positions of said members as fixed by said templet or needle.

1,485,366. STARTING DYNAMO FOR MOTOR VEHICLES. ETTORE BUGATTI, Molsheim, France. Filed Aug. 25, 1921. Serial No. 495,299. 2 Claims. (Cl. 290—22.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a starting mechanism, the combination with an engine crank shaft, a hollow shaft alined with and connected thereto, a crank case extension in which the end of the hollow shaft is journalled, a fly-wheel and a clutch on said crank shaft and a dynamo rotor on said hollow shaft and rotating therewith.

1,485,367. CANDY-RUNNING IMPLEMENT. ALBERT T. BURNETT, Los Angeles, Calif. Filed Oct. 4, 1922. Serial No. 592,336. 1 Claim. (Cl. 107—52.)



A candy pouring implement including a body having a bottom, side walls, a curved top wall on the front portion thereof, and a curved rear end wall, said top and rear end walls defining an opening in the rear of the body with the upper edges of the side walls for receiving material to be poured, the forward end of the bottom being upwardly inclined, the forward end of the body having a substantially narrow opening extending across said body, an annular flange extending therefrom, a handle extending laterally from one side of the body, a spout member having an annular flange for fitting the flange on the body, and means for removably securing said spout member on the body, the spout of said member being inclined upwardly with relation to the body so that the upper end thereof terminates in the plane of the upper edge of the side walls whereby the rear end of the body may be dipped into a receptacle containing candy for receiving a charge therein, said body being adapted to hold the charge until it is desired to be poured by moving the forward end of the container downwardly so that the charge will run down the inclined wall of the bottom and out through the spout.

1,485,368. HAIR CURLER. MAMIE L. CAVIN, Baker, Oreg. Filed May 18, 1923. Serial No. 639,856. 5 Claims. (Cl. 132—41.)



1. A curler having an iron about which the hair is adapted to be wrapped, a bail separable from and attachable to said iron, and a hair-retainer carried by said bail independently of the iron to coact with said iron.

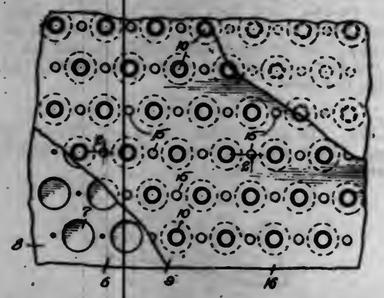
1,485,369. TWO-STROKE EXPLOSION VALVELESS ENGINE. JULES COSTILLE and GUILLAUME ROBBE, Brussels, Belgium. Filed Nov. 11, 1920. Serial No. 423,318. 1 Claim. (Cl. 123—74.)



In an internal combustion engine the combination with the frame thereof comprising a crank case containing a crankshaft, a cylinder section and a tubular section mounted in fixed position with its lower end constituting a guideway projecting into the crank case, the upper end terminating in a transverse division wall constituting the bottom of the cylindrical chamber, said wall having a central opening therein, a piston within said chamber, a connecting rod having its upper end connected to said piston and extending through said opening with a sliding fit, a guide slidable within said guideway and operatively connecting the lower end of the rod to the crankshaft, said cylinder section containing a suction and compression chamber in juxtaposition with the cylindrical chamber and ports adapted to at times effect communication between the said suction and compression chamber and the space between the piston and said division wall and between the last-mentioned chamber and the space between the piston and the top of the cylindrical chamber, said cylindrical section also having an exhaust port

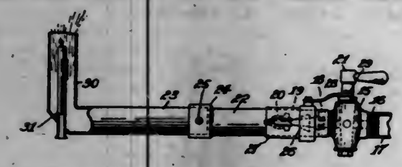
adapted to communicate with said last mentioned space, and an intake port adapted to communicate with the space between the piston and said division wall for the purpose set forth.

1,485,370. PLASTER-RECEIVING BOARD. HARRY A. CUMPER, Chicago, Ill., assignor of one-half to Albert D. Stewart, Hutchinson, Kans. Filed Jan. 23, 1922. Serial No. 531,036. 4 Claims. (Cl. 72—116.)



1. A plaster receiving board comprising two spaced parallel flat sheets and an intermediate flat sheet, the latter sheet perforated at uniform intervals and having all of its remaining surfaces glued to the respective outside sheets, one of the outside sheets having registering perforations of smaller diameter.

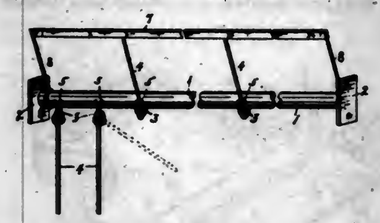
1,485,371. BURNER. EDWARD T. CURRAN, Detroit, Mich. Filed Dec. 6, 1920. Serial No. 428,780. 1 Claim. (Cl. 158—119.)



In a burner for gaseous fuel, an angularly formed mixing chamber of substantially the same cross sectional dimension throughout having an outlet at one end to constitute the burner port and having circumferentially disposed air inlet ports adjacent the opposite end; a tube extending from the exterior to the interior of the mixing chamber at the bend of the angular portion with the outlet of said tube adjacent to and at a point within the burner port of the mixing chamber; a valve chamber connected to the end of the mixing chamber at which circumferential ports are located having an inlet arranged to be connected to a gas supply and an outlet into the mixing chamber; a valve in said valve chamber to control the gas supply to the mixing chamber; a sleeve slidably mounted upon the mixing chamber adjustable to regulate the size of the circumferential air inlet ports and air supply to the mixing chamber; a connection between said sleeve and gas control valve whereby to simultaneously actuate both the valve and sleeve to open and shut off the air supply to the mixing chamber and regulate the supply of one proportionally to the other; a nipple connected to the outlet of the valve chamber extending into the mixing chamber; and a valve to regulate the gas supply from the nipple to the mixing chamber independent of the air supply.

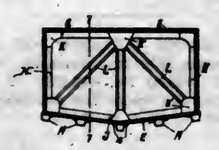
1,485,372. LAUNDRY-SORTING DEVICE. FRANK E. DOLE, Salt Lake City, Utah. Filed Feb. 15, 1923. Serial No. 619,281. 3 Claims. (Cl. 211—36.)

1. A sorting device for laundries comprising a longitudinally disposed pipe; a plurality of hooks extending from one side thereof; an equal number of hook eyes secured in and extending at right angles to said hooks;



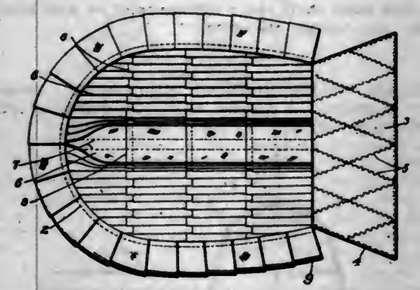
supporting bars having an eye bolt on one end of each engaged within said hook eyes; and means to fasten said pipe rigidly in place.

1,485,373. STRUCTURAL FRAMING. CLAUDIUS DORNIER, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,548. 2 Claims. (Cl. 114—88.)



1. Sheet metal float for aircraft comprising in combination, a flanged substantially quadrangular channel iron frame, flanged metal channel braces extending from one side of said frame to the centre and corners of the opposite side and metal plates extending substantially at right angles to and connected with the four sides of said frame to form a braced substantially prismatic body.

1,485,374. POLISHING GLOVE. CHARLES C. DRUEDING, Philadelphia, Pa., assignor to Drueding Brothers Company, Philadelphia, Pa. Filed Jan. 18, 1923. Serial No. 613,518. 3 Claims. (Cl. 15—227.)

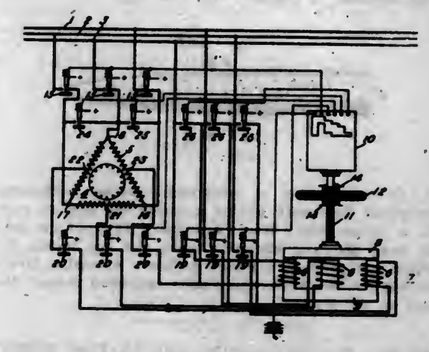


1. A reversible polishing glove comprising palm and back sections united at their marginal side and outer end edges, and rows of polishing strips secured to the palm and back section, each row composed of a plurality of relatively short pieces having their contiguous ends arranged in positive overlapping relation to form substantially continuous strips, said pieces being united to the said sections by spaced longitudinal rows of stitching.

1,485,375. CONTROL MECHANISM FOR INDUCTION MOTORS. ADOLPHUS M. DUDLEY, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 4, 1918. Serial No. 260,988. 8 Claims. (Cl. 172—274.)

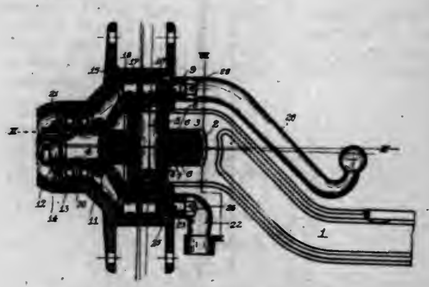
7. The combination with an alternating-current motor having a primary winding arranged to be connected in

delta or in star for operation at different speeds, of a reactance device for controlling the voltage applied to



said motor during the transition from one connection to the other, and means for controlling the electrical connections of said motor and the reactance of said device.

1,485,376. FRONT-AXLE CONSTRUCTION. FRANK V. ELBERTZ, Detroit, Mich., assignor of one-half to B. F. Everitt Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 22, 1919. Serial No. 272,444. 4 Claims. (Cl. 280—96.3.)



1. The combination of an axle having a longitudinal bearing slot in the end portion, a stub axle pivoted in the slot, the vertical dimension of the stub axle being less than the similar dimension of the main axle, a bearing hub of unbroken annular type secured on the stub axle around the main axle, the pivot of the stub axle being located interiorly of the hub, a wheel hub journalled on the bearing hub, the pivot of the stub axle being in substantially the load plane of the wheel hub, and means for holding the wheel hub detachably in position, the pivot connections between the axles including a pivot pin with the connections presenting a bearing face concentric with the pin and within the planes of the stub axle, said face having a diameter materially greater than that of the pin, the face-carrying member being operative to space the latter from stub axle contact.

1,485,377. ANTISPASMODIC COMPOUND AND PROCESS OF PRODUCING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Filed Apr. 25, 1922. Serial No. 556,424. 4 Claims. (Cl. 260—98.)

3. The process of making an alkali dibensylphosphate, which consists in treating phosphoric acid dibensylester with an alkali base under approximately anhydrous conditions, and isolating the salt.

1,485,378. ANTISPASMODIC COMPOUND AND PROCESS OF PRODUCING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Original application filed Apr. 25, 1922, Serial No. 556,424. Divided and this application filed May 13, 1922. Serial No. 560,719. 4 Claims. (Cl. 260—103.)

4. The process of simultaneously purifying and rendering water-soluble phthalic acid partially saturated by a bensyl group, which consists in completing the saturation by combination with an alkali under approximately anhydrous conditions.

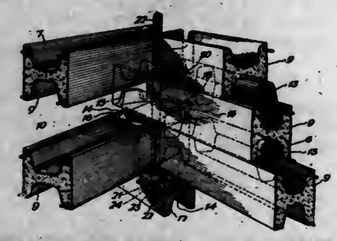
1,485,379. ANTISPASMODIC COMPOUND AND PROCESS OF PRODUCING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Original application filed Apr. 25, 1922, Serial No. 556,424. Divided and this application filed May 13, 1922. Serial No. 560,720. 4 Claims. (Cl. 260—106.)

3. The process of making an alkali bensyl succinate which consists in treating succinic acid monobensylester with an alkali base under substantially anhydrous conditions, and isolating the salt.

1,485,380. THERAPEUTIC COMPOUND AND PROCESS OF PRODUCING THE SAME. WILLIAM H. ENGELS, Rahway, N. J., assignor to Merck & Co., New York, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,931. 7 Claims. (Cl. 260—11.)

7. The process of making bismuth 8-oxyquinolate which consists in causing an acid solution of a bismuth salt and a solution of an 8-oxyquinoline compound to react with each other in the presence of an alkali.

1,485,381. CRIBBING FOR SHORE-PROTECTING SYSTEMS. WILLIAM H. EVERS, Cleveland, Ohio, assignor of one-third to William E. Pease and one-third to Noah H. Suloff, Cleveland, Ohio. Original application filed Jan. 3, 1922, Serial No. 526,548. Divided and this application filed Aug. 7, 1922. Serial No. 580,046. 18 Claims. (Cl. 61—47.)

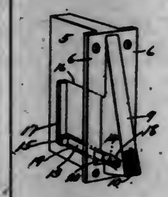


1. A wave resisting structure, comprising crossed concrete H beams, said beams being arranged with the webs thereof horizontal; an interlocker between the superposed beams at the intersection thereof, comprising a block having integral upper and lower crossed portions adapted to fit within the channels of said superposed crossed beams, and means extending substantially from top to bottom of the structure and passing in common through the beams and blocks.

1,485,382. AUTOMATIC SASH LOCK. JAMES A. FOLEY, Omaha, Nebr. Filed Feb. 15, 1923. Serial No. 619,109. 2 Claims. (Cl. 292—219.)

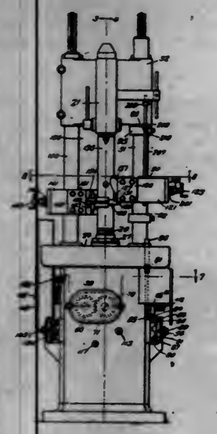
1. The combination with an upper window sash, a lower sash, of a sash lock, said sash lock comprising a casing imbedded in the upper sash adjacent the upper

end of the lower sash, a member pivoted in the upper end of the casing and extending downwardly, a leaf spring disposed within the casing and normally forcing the pivoted member outwardly at its lower end to a position where it will be in the path of the lower sash,



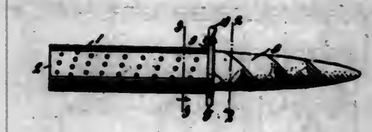
an arm pivoted to the lower end of the pivoted member and extending into the casing, said arm terminating in an outwardly extending arm disposed in an opening in the side of the casing and cooperating with the rear side of the opening for holding the pivoted member against inward movement.

1,485,383. MACHINE LATHE. PERCY M. FOWL and HERMAN W. ZIMMERMAN, Detroit, Mich.; Union Trust Company, executor of said Percy M. Fowl, deceased, assignors, by direct and mesne assignments, to Cadillac Machinery Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1919. Serial No. 285,218. 36 Claims. (Cl. 82—2.)



1. A machine of the character described comprising, in combination, a lathe spindle disposed substantially vertically; a fixed substantially horisontal bearing supporting the weight of said spindle and the work and sustaining them against end thrust, and fixed substantially vertical bearings for said spindle—all said bearings being mounted and stiffly braced in frame members; a slidable tool carrying bar substantially vertically disposed; extensive bearings for said tool carrying bar permitting substantially vertical movement of said bar while holding it securely against transverse wear, there being extensive lengths of said bar in said bearings at all times; the respective mountings of said spindle and bar holding their respective axes in fixed relationship and substantially parallel to the direction of gravity; means for vertically moving said bar; and a tool carrier mounted on said bar, and means for relieving said bar from thrust of the work of the tool.

1,485,384. ASH TRAY AND SHIELD. GEORGE E. GALLOWAY, Belmond, Iowa. Filed Aug. 24, 1921. Serial No. 494,799. 2 Claims. (Cl. 131—51.)



1. In combination, a cylindrical member perforated throughout its length having a closed end and an open end, a lug projecting from the member adjacent its open end, jaws pivotally connected with the lug, means for holding the jaws in a closed position, operating levers disposed on the jaws, and finger operating means disposed on the jaws.

1,485,385. HOSIERY DRYING AND SHAPING STRUCTURE. JACOB GERRITSON, Kankakee, Ill., assignor, by mesne assignments, to Paramount Textile Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 13, 1919. Serial No. 323,599. 2 Claims. (Cl. 223—17.)



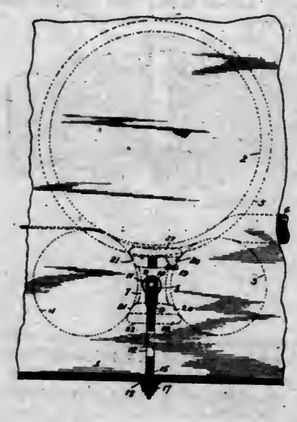
1. A holding-device for hosiery-drying and shaping forms including a relatively thin backing-member of heat non-conducting material provided with slits, a fabric hosiery-engaging element having its central portion overlying the section between the slits of the backing-member and its edge-portions underlying the sections thereof beyond the slits, and a fabric member-covering of heat-conducting material overlying said edge-portions; the backing-member constituting an encompassing frame for the hosiery-engaging element to protect its edges; and the hosiery-engaging element and member-covering, together, presenting a fabric facing for the backing-member approximately coextensive with the surface dimensions thereof.

1,485,386. CANE MILL. JOHN PORTER GOLDEN, Columbus, Ga., assignor to Golden's Foundry & Machine Company, Columbus, Ga. Filed Nov. 16, 1922. Serial No. 601,368. 4 Claims. (Cl. 100—47.)

1. A reversible guide-knife structure for cane mills having two pairs of roll engaging faces adapted for interchangeable use.

4. In a cane mill, the combination with framework and three rolls, of a reversible guide-knife structure having opposite heads providing, interchangeably, roll engaging

portions disposed between two of said rolls, means for adjustably suspending said guide-knife structure from the



framework and means for adjusting said guide-knife structure relatively to the roll or rolls with which it cooperates.

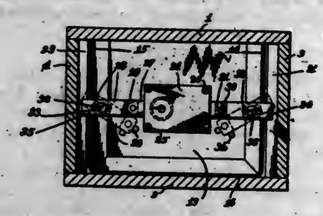
1,485,387. LOCK BOX. GUSTAVE M. GOLDSMITH and CARL P. BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed May 25, 1921. Serial No. 472,501. 6 Claims. (Cl. 109—12.)



1. In a lock box, the combination with a door having a lock on the rear side thereof, and a drawer in said box, said drawer having longitudinal walls, of a plate rigidly mounted on said drawer across the front thereof and positioned to lie directly back of the lock when the door is closed, and said longitudinal drawer walls abutting said plate from the rear, whereby movement of said plate rearwardly of said drawer is limited, and cooperating with said plate whereby inward movement of said lock from said door is prevented when the door is closed.

1,485,388. LOCKING DEVICE. GUSTAVE M. GOLDSMITH and CARL P. BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed June 30, 1921. Serial No. 481,474. 3 Claims. (Cl. 109—3.)

1. In a device of the character described, in combination, a drawer, a locking element slidably and pivotally mounted on said drawer, means comprising a lock having a slidable bolt-part severably connected to said element for sliding said element into and out of locking position, said element being arranged to pivot when said con-



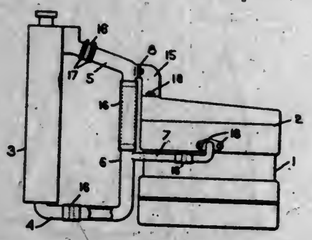
nection is severed, and means comprising stops on said drawer positioned to engage said element when it pivots, for maintaining said element in locking position.

1,485,389. LOCKING DEVICE. GUSTAVE M. GOLDSMITH and CARL P. BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Original application filed June 30, 1921, Serial No. 481,474. Divided and this application filed Apr. 3, 1923. Serial No. 629,589. 4 Claims. (Cl. 109—3.)



1. In a device of the character described, the combination with a drawer having for its front face a rigid plate, of a lock on the rear side of said plate and a locking element severably connected to said lock for slidable operation thereby into and out of locking position, a support for said element upon which said element is slidably and pivotally mounted, said element having a projecting locking lug which becomes disposed in locking position automatically when said lock connection with said element is severed.

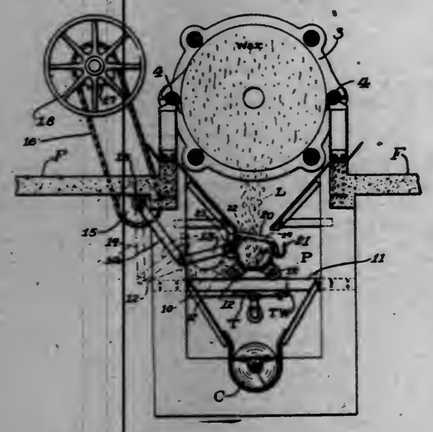
1,485,390. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. ALBERT C. GOWING, Franklin, Mass. Filed Sept. 11, 1923. Serial No. 662,120. 7 Claims. (Cl. 123—174.)



1. The combination with an internal combustion engine having a water jacket, of a circulating system through which water or other cooling medium circulates, said system being separate from the engine jacket and including a radiator, and a feed water connection to supply water from the circulating system to the jacket, a steam delivery connection between the water jacket and the

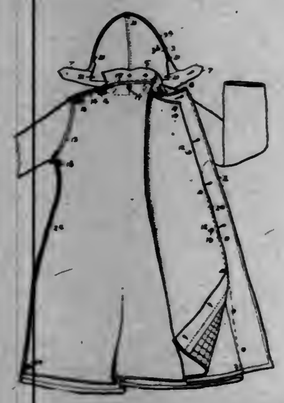
circulating system, said connections being so formed that they restrict the circulation of water through the jacket to such an extent that during the normal operation of the engine the water in the jacket is at boiling temperature.

1,485,391. WAX PRESS. ALANSON McD. GRAY, Elizabeth, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 8, 1922. Serial No. 542,109. 4 Claims. (Cl. 210—192.)



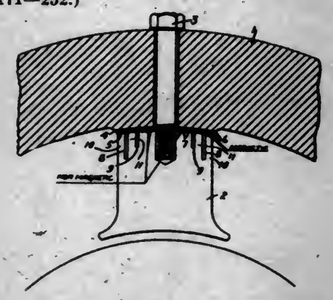
1. The combination of a filter press, a trough for receiving filtered liquid flowing from said press, a track for said trough on which said trough may be moved laterally from its normal position, and an operator controlled shaft having connections with said trough whereby said trough may be moved at right angles to said shaft.

1,485,392. COMBINED COAT AND HELMET. CHARLES HALEK, Cleveland, Ohio. Filed May 27, 1922. Serial No. 564,194. 4 Claims. (Cl. 2—85.)



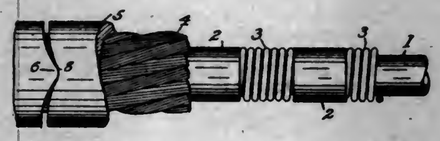
3. A garment of the class described comprising an outer body having a detachable inner lining therefor, said lining being provided with divided shoulder portions, and means carried by said outer body for uniting said portions and securing the same to said outer body.

1,485,393. FIELD-MAGNET POLE PIECE FOR DYNAMO-ELECTRIC MACHINES. DAVID HALL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 4, 1918. Serial No. 215,373. 14 Claims. (Cl. 171—252.)



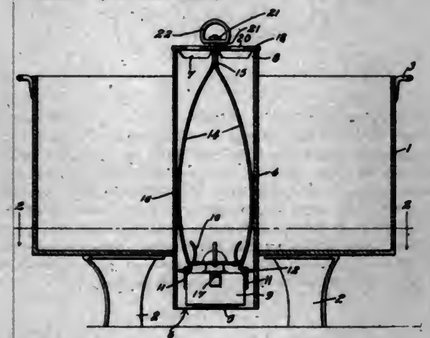
9. In a dynamo-electric machine, a field frame, a field-magnet pole piece mounted on said frame, and a spacing member disposed intermediate said pole piece and said frame and comprising an annular rim portion composed of magnetic material.

1,485,394. SOUNDING LINE. ELBERT J. HAYNES, Cleveland, Ohio. Filed Aug. 11, 1922. Serial No. 581,110. 3 Claims. (Cl. 137—90.)



1. A sounding line comprising an air hose, an inner armor embracing said hose, comprised of alternate collars and flexible metal coils, and a surrounding armor extending substantially continuously co-extensive with the air hose.

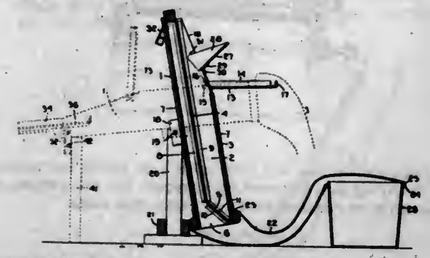
1,485,395. POULTRY-TANK HEATER. HOLLIE HIBBS, Leeton, Mo. Filed June 11, 1921. Serial No. 476,838. 1 Claim. (Cl. 126—358.)



In a device of the class described, a tank, a flue mounted in the tank and having an opening, the flue being extended below the bottom of the tank to permit air to enter the opening, a heater in the flue and supported on the bottom of the flue, a bail comprising side arms assembled with the heater, the side arms merging into a stem having a handle, and a closure resting on the upper end of the flue, the stem passing through the closure, the

closure being slidable on the stem to insure a seating of the closure when the heater rests on the bottom of the flue, the closure being located between the side arms and the handle, whereby the side arms and the handle will constitute stops which limit the movement of the closure on the stem when the heater has been lifted out of the flue.

1,485,396. SIFTER. CHARLES W. HINCHCLIFFE, Lawrence, Mass., assignor of one-half to Frances J. Craig, Lawrence, Mass. Filed July 23, 1921. Serial No. 487,096. 3 Claims. (Cl. 83—60.)



1. An ash sifter comprising a rectangular casing having an inlet opening at one end of its top, a closure for said inlet, an outlet opening at the opposite end of said casing, a screen extending longitudinally of said casing in parallelism with and spaced apart from the bottom of its casing and turned upwardly at the outlet end to engage the top of the casing, means pivotally supporting said casing substantially midway of its ends to permit a vertical swinging movement and a flexible discharge chute enclosing said outlet operable to clear the chute of the sifted material discharged from said casing.

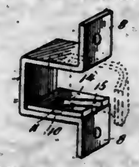
1,485,397. TRAVELER'S IRON. HENRY KREISHELD, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Jan. 3, 1920. Serial No. 349,286. 13 Claims. (Cl. 219—25.)



1. In a sad iron, the combination with a working member, a clamping plate, a heating element located between said working member and said clamping plate, and means for clamping together said working member and said clamping plate, of a cover member for said working member, a handle member, supporting means for said handle member, and a single means for holding said cover member against said working member and for holding said handle-supporting member in operative relation to said cover member.

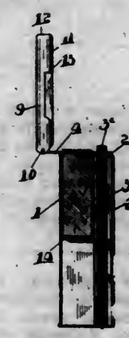
1,485,398. HINGE STRUCTURE FOR AUTOMOBILE DOORS. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 17, 1919. Serial No. 290,785. 4 Claims. (Cl. 16—135.)

1. A hinge construction comprising a stamping having a substantially U-shaped portion, one leg of said U-shaped portion having a pintle hole therethrough, a hinge member having a pintle to be received in said pintle hole,



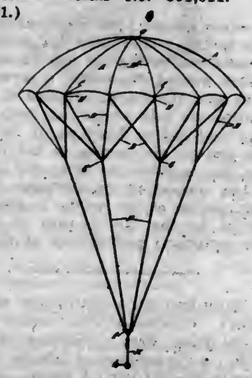
and means to guide said pintle along the leg of the U-shaped portion of said stamping and into position to be received in said pintle hole.

1,485,399. TOBACCO HOLDER AND CUTTER. FREDERICK A. H. LONGWORTH, Toronto, Ontario, Canada. Filed Aug. 25, 1922. Serial No. 584,319. 4 Claims. (Cl. 131—59.)



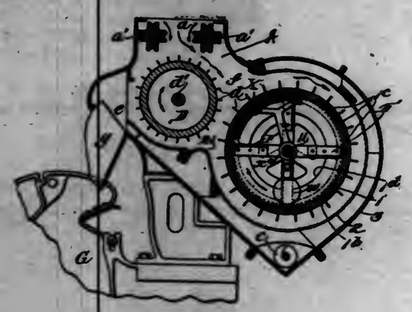
1. In a tobacco holder and cutter; a container having an oblong open end; a feed screw journalled longitudinally of the container substantially midway of one of the longer sides of said open end; a follower threaded on the feed screw; and a convex cutting blade carried by the feed screw adapted to co-operate with the edges of the open end of the container to form a shear.

1,485,400. PARACHUTE. OWEN DAVID LUCAS, Bayswater, London, England, assignor to V. M. L. Experimental Limited, Westminster, London, England. Filed Sept. 28, 1922. Serial No. 591,011. 11 Claims. (Cl. 244—21.)



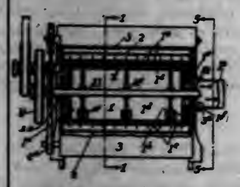
1. A parachute provided with reinforcing cords, which pass across the fabric and with means whereby the said cords are gripped to the parachute at its edges in a manner allowing of slip under excessive stresses on the fabric.

1,485,401. CLEANER FOR COTTON. JOHN H. McDONOUGH, Dallas, Tex., and OLIVER MITCHELL, Brookline, Mass., assignors to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Mar. 21, 1923. Serial No. 626,530. 4 Claims. (Cl. 19—67.)



1. In a cotton cleaner, a hollow rotary spiked drum, having inwardly extending skirts at its ends to define an axial end opening and having a multiplicity of perforations in its peripheral walls, said drum supported for rotation within a screened casing; that casing, provided with an opening coacting with the opening in the drum, for the passage of air; means to actuate the drum.

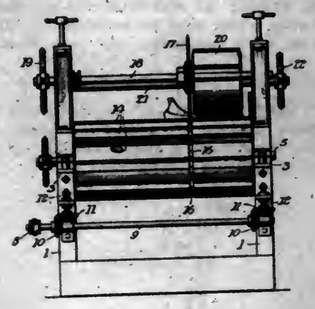
1,485,402. COTTON CLEANER. JOHN H. McDONOUGH, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed May 26, 1923. Serial No. 641,750. 4 Claims. (Cl. 19—67.)



3. In a cotton cleaner, the combination of a hollow rotary drum having a multiplicity of perforations in its peripheral walls and having its ends enclosed except for an air opening around the shaft; a screen adjacent to said drum to hold the cotton adjacent to said drum; a casing enclosing the said screen and drum and having a feed opening and having bearings in its sides for the drum shaft, and an air opening in the casing adjacent to a bearing and opposite the drum end opening; an air fan; a conduit connecting the discharge side of the fan with the air opening of the casing, to cause the air current generated by the fan to pass to the drum and through the peripheral perforations of the drum.

1,485,403. ROLLING AND SEVERING MACHINE FOR HOG SIDES. CLINTON F. MACDONALD and HARRY H. MCKEE, St. Paul, Minn., assignors to Swift & Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1923. Serial No. 671,169. 1 Claim. (Cl. 17—23.)

A machine of the class described comprising a frame, a conveyer support, a conveyer arranged to travel over said conveyer support, a pressing roller mounted above said conveyer and arranged to cooperate therewith in pressing the sides of hogs traveling with said conveyer, and a disk-shaped knife at one side of said pressing roller for severing the fat back from the belly, means for



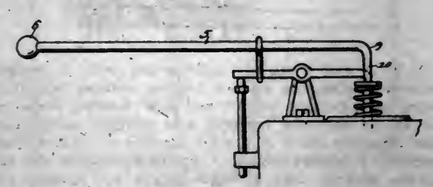
driving said roller and said knife, and means for raising or lowering said conveyer and support for the purpose of changing its relation with said roller and knife.

1,485,404. AMMUNITION. HELMUTH PAUL MARTIN and OWEN DAVID LUCAS, Westminster, England, assignors to M. L. Experimental Limited, Westminster, England. Filed Sept. 3, 1920. Serial No. 408,056. 1 Claim. (Cl. 102—18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In an electrically fired cartridge, the combination of an anvil, an insulating plug in the rear part of the cartridge, an electric contact carried by said plug in alignment with said anvil, a detonating substance between said contact and said anvil and a wire clamped by said insulating plug between it and the body of the cartridge, said wire being electrically connected to said contact and disposed in contact with said detonating substance.

1,485,405. VALVE LIFT. CHARLES W. MERRIMAN, Beaver Falls, Pa. Filed May 15, 1922. Serial No. 561,211. 1 Claim. (Cl. 29—86.3.)

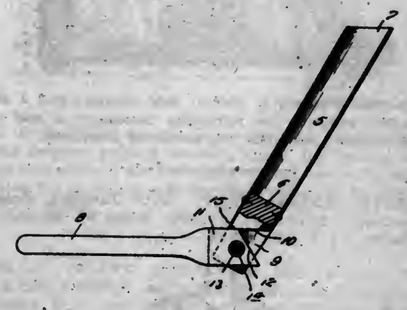


A tool for manipulating rock arms of valve mechanisms comprising a handle, a hook having an eye slidable on the handle by which the hook is adjustable longitudinally of the handle, the said handle having an extension at approximately right angles to the handle, the said extension being bifurcated and terminating in straight ends adapted to lie on a washer of a valve spring, the furcations of the extension being spaced apart to form a clearance and permitting the furcations to straddle a rock arm and of a length to project from the upper edge of a rock arm to the end of the rock arm where it engages said washer, whereby the extensions bear against the washer.

1,485,406. ACID-PHOSPHATE PROCESS. HERBERT H. MEYERS, Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 21, 1922. Serial No. 608,352. 9 Claims. (Cl. 71—7.)

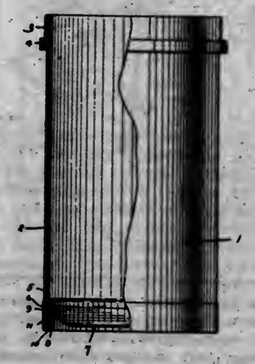
1. The process of producing acid phosphate, consisting in wet grinding the phosphate-rock, acidulating such wet ground rock, and heating and drying said acidulated rock at a temperature to produce available acid phosphate as a product.

1,485,407. CHARGER. JOHN MICHELICH, Auburn, Ill. Filed Dec. 26, 1923. Serial No. 682,746. 5 Claims. (Cl. 86—21.)



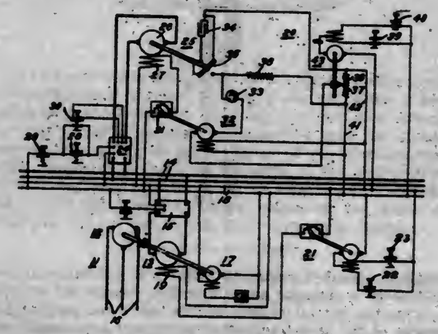
1. A charger of the character described comprising a tubular receptacle, a handle, a friction hinged connection between the bottom of the receptacle and the handle, whereby the receptacle may be tilted to lie at an angle to or co-extensive with the handle and retained so tilted for facilitating filling of the receptacle for pouring of powder therefrom into drill holes, the bottom of said receptacle comprising a plug, and said hinged connection between the handle and the receptacle comprising an ear upon the outer end of the plug, and a pair of legs upon the inner end of the handle between which the plug ear is fitted, said hinged connection further embodying a pivot bolt passing through the handle legs and the plug ear.

1,485,408. METAL RECEPTACLE. ARTHUR MILLER, Columbus, Ohio, assignor to The Solar Metal Products Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 3, 1921. Serial No. 449,331. 1 Claim. (Cl. 220—73.)



In a sheet metal receptacle, a tubular body member having its lower end formed with an inwardly directed annular shoulder and a depending vertical flange, said flange having its lower edge curved inwardly, a bottom member having its outer edge arranged to constitute a seat for the lower curved edge of said flange and forming, in effect a continuation thereof, and to enable said flange to be welded to said edge, an annular wall depending from the outer edge of said bottom member, and a reinforcing band arranged to encircle said wall and lower end of the body and to be welded thereto, said ring having its upper portion positioned to engage said shoulder and to surround and protect the joint between the body and bottom members.

1,485,409. SPEED-REGULATOR SYSTEM. LEONARD MILLER, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,920. 11 Claims. (Cl. 171—312.)



1. In a regulator system adapted to maintain a predetermined operating condition, the combination with a translating device to be regulated, of a Wheatstone-bridge-control element therefor, the respective arms of which comprise a fixed-resistance unit, variable-resistance units, a variable condenser and a motor-control element.

1,485,410. COTTON CLEANER. FELIX RACKEMANN, Milton, Mass., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Mar. 1, 1923. Serial No. 621,994. 6 Claims. (Cl. 19—72.)



3. In a cotton cleaner, a hollow rotary drum having closed ends and a multiplicity of perforations in its peripheral walls; a hollow shaft, disposed along the longitudinal axis of the drum and having vents from the inside of the shaft, within the drum; a screened casing enclosing the drum; bearings for the shaft in the sides of said casing; means to introduce compressed air, through the hollow shaft into the hollow drum, to be discharged through the peripheral perforations.

1,485,411. STANDING-VALVE-RELEASING MECHANISM. WALTER D. BROWN and JOHN L. FITZPATRICK, Parkerton, Wyo. Filed Dec. 14, 1922. Serial No. 606,920. 1 Claim. (Cl. 103—221.)

In combination, a working barrel, a standing valve in the working barrel, a shell attached to the working barrel at its bottom end and provided with longitudinally extending slots having angular extensions at their upper ends,

an anchor connection movable in the shell and including a member engageable with the standing valve for unseating the same when the working barrel is lowered, pins projecting from the anchor connection and movable in the slots of the shell, the bottom end of said shell being



partially closed, a removable bushing in the upper end of said shell, a shoulder on said anchor connection adapted to abut the partial closure at the lower end so that the weight of the barrel and other parts will be on said partial closure and shoulder rather than on said pins.

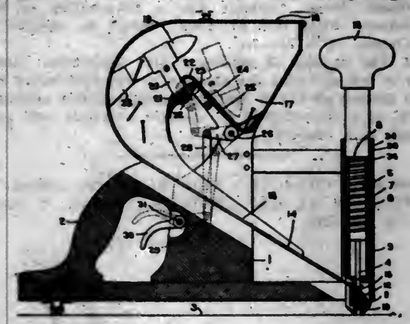
1,485,412. PROTECTING DEVICE FOR GAUGES. OTTO W. HESSE, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Feb. 25, 1922. Serial No. 539,256. 5 Claims. (Cl. 73—109.)



1. A gauge comprising a casing, a Bourdon tube therein, an element secured to the free end portion of said tube, and an element fixed relatively to the casing, one of said elements having an elongate slot extending substantially parallel to the path of movement of the free end of the tube end under pressure variation, and the other of said elements projecting into said slot.

1,485,413. NAIL DRIVER. OLOV J. JOHANSON, Boston, Mass. Filed Nov. 6, 1922. Serial No. 599,270. 4 Claims. (Cl. 1—46.)

3. In a nail driver, the combination with a driving element, of a reservoir, a nail chute leading to the driving element and means for transferring nails from the reservoir to the chute, said means comprising a pivotally-mounted magnetic element, means for moving said element into position to take nails from the reservoir by magnetic



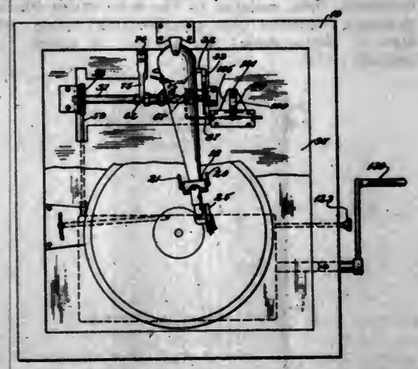
attraction, a spring to retract said element, and a stop to arrest suddenly the retracting movement of said element whereby the nails will be jarred therefrom.

1,485,414. ROTARY PUMP. HUGO JUNKERS, Dessau, Germany. Filed June 29, 1920. Serial No. 392,833. 4 Claims. (Cl. 230—30.)



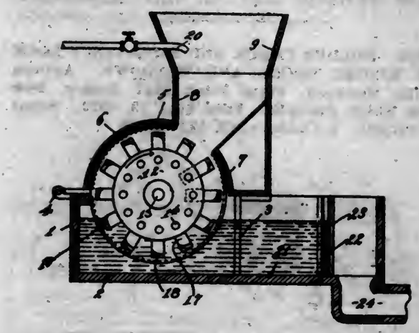
1. In a rotary pump in combination a stationary casing, a plurality of rotary pistons adapted to rotate about a common axis within said casing, lateral discs rigidly connected to the ends of said pistons, a bearing associated with each disc for supporting it rotatably in said casing and driving means fitted to one of said discs.

1,485,415. PHONOGRAPH REPEATER. ALBERT KALINOSKY, New York, N. Y. Filed Jan. 23, 1923. Serial No. 614,429. 10 Claims. (Cl. 274—15.)



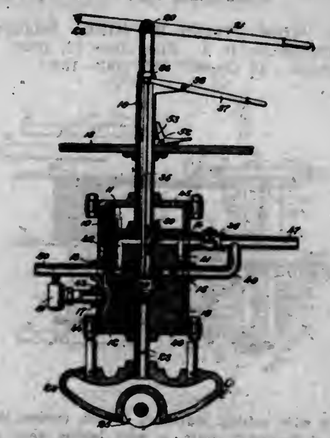
1. A repeating mechanism for phonographs including a reproducer, a tone-arm, and an operating support for a record, an operating finger carried by said tone-arm, a motor driven shaft, a worm shaft, means for coupling both shafts adapted to be operated by said finger at the end of a record, means for engaging said finger with said worm shaft to return the finger and tone-arm to their original positions, means for lifting and lowering said reproducer out of and into engagement with a record.

1,485,416. BEATING DEVICE. CHARLES L. KELLER, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed May 11, 1923. Serial No. 638,183. 6 Claims. (Cl. 92—20.)



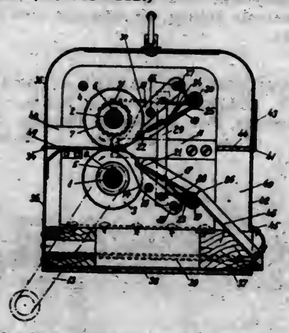
1. A device of the character described, comprising a swing hammer pulping machine, means for feeding fiber stock and water to the said machine, and means for maintaining the screen of said machine submerged at least in part, in water.

1,485,417. VALVE MECHANISM FOR AUTOMATIC TRAIN-CONTROL APPARATUS. OTIS B. KENT, Washington, D. C., and ROBERT L. MILLER, Spokane, Wash.; said Miller assignor to Otis Automatic Train Control, Inc., Spokane, Wash., a Corporation of Washington. Filed July 27, 1921. Serial No. 487,946. 2 Claims. (Cl. 246—190.)



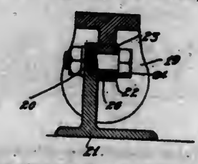
1. In automatic train control apparatus, mechanism including a valve normally establishing communication between the train pipe and a source of fluid pressure supply, a hollow ramp engageable shoe in communication with the train pipe and operable at predetermined times to cause said valve to deny communication between the train pipe and said source of supply, a member normally establishing communication between the train pipe and said hollow shoe and movable by the pressure of fluid in the train pipe also to deny communication between the train pipe and said source of supply in the event of breakage or fracture of said shoe, said member including a perforated disk against which the pressure of fluid in the train pipe acts to move the member into position to effect denial of the communication aforementioned, and the communication between the train pipe and said hollow shoe being through the perforations of said disk.

1,485,418. SHREDDING MACHINE. SÁNDOR KORBULY, Budapest, Hungary, assignor to Boris Aivas, Budapest, Hungary. Filed Nov. 29, 1920. Serial No. 427,193. 4 Claims. (Cl. 146—122.)



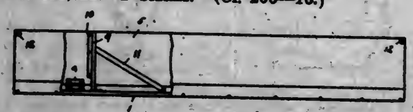
1. In a shredding machine, a rotary shaft, axially movable cutter discs thereon forming a cutting roller, a second rotary shaft parallel with the first one and axially movable cutter discs thereon projecting into the spaces between the adjacent cutter discs of the first cutting roller, means to prevent the rotation of the cutter discs on their respective shafts, pressure rollers acting against the lateral faces of the cutting rollers in the plane of their nip and springs acting on said pressure rollers.

1,485,419. CLUTCH-SHIFTING MECHANISM. PATRICK P. LA MONTAGNE, Kankakee, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed July 13, 1921. Serial No. 484,469. 3 Claim. (Cl. 74—61.)



A shifter-operating mechanism comprising a support provided with an opening therein; a treadle-member having an extended portion provided with an opening adapted to cooperate with the opening in the support; the corresponding faces of the extended portion of the treadle and support constituting a friction area; a securing means passing through the openings in the support and extension and forcing the members together; and a washer having a sharpened edge-portion engaging a surface of one of the members, said washer having a ridged portion intermediate its edges bowed to constitute a resilient clutch-element and provided with an opening for the reception of the securing means, whereby tightening of the securing means will force the sharp edge-portion of the washer against a portion of one of the elements, the rigid portion acting to reinforce the washer and resist deformation thereof.

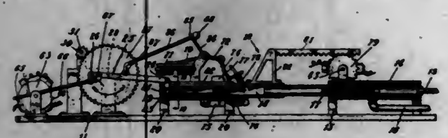
1,485,420. COLLAPSIBLE TOOL BOX. CHARLES M. LANGNESS, Duluth, Minn. Filed Mar. 30, 1923. Serial No. 628,722. 2 Claims. (Cl. 206—16.)



2. A box of the character described comprising a bottom, ends hingedly united to the bottom and foldable inwardly thereupon, sides hingedly united above the bottom and foldable inwardly upon the ends, a rack hingedly

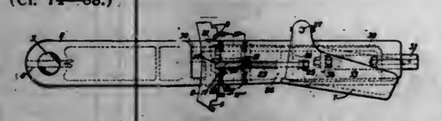
united to the bottom for erection adjacent one side when upright, a brace pivotally united to the interior of the box below the hinged portion of the side adjacent the rack for engagement with the rack when upright, and means for securely uniting the sides and ends of the box when upright.

1,485,421. AUTOMATIC AIR-BRAKE APPARATUS FOR RAILWAY TRAINS AND THE LIKE. ZENON P. LEGER, Moncton, New Brunswick, Canada. Filed May 1, 1922. Serial No. 557,775. 3 Claims. (Cl. 246—170.)



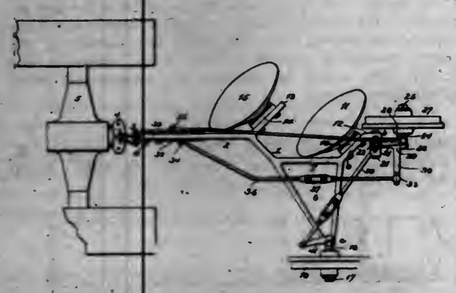
1. The combination in an apparatus of the character described of a valve, magnetic means for retaining the valve in closed position including a circuit closed when the train to which the apparatus is applied is run on the track, said circuit being opened upon derailment of said train to release the valve, means for forcing the valve to open position upon its release, and means including a motor for returning the valve to closed position after derailment.

1,485,422. CONTROL APPARATUS. ALEXANDER MCIVER, Deer Lodge, Mont., and PAUL L. MARDIS, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 25, 1920. Serial No. 391,647. 12 Claims. (Cl. 74—88.)



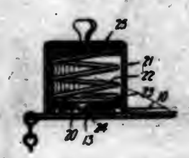
1. Control apparatus comprising a handle member and a latching member and means for imparting translatory and rotative movement to said latching member relative to said handle member, said rotative movement being about an axis substantially at right angles to said handle.

1,485,423. PLOW. AUGUSTA P. MCKAY, Rome, Ga., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Dec. 7, 1922. Serial No. 605,413. 11 Claims. (Cl. 97—47.)



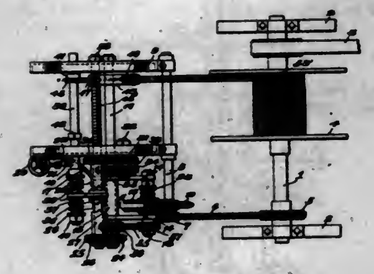
1. The combination with a tractor and a plow frame having loose connection therewith, of a single furrow wheel at the rear of the frame, a single land wheel forwardly of the furrow wheel, and means associated with the axle of the furrow wheel for raising the furrow side of the frame and tilting said frame laterally on its loose connection with the tractor while the land wheel fulcrums on the ground.

1,485,424. HOLDER CHECK AND EMERGENCY LOCK FOR HINGED DOORS AND WINDOWS. ARTHUR DAVIES MUNSLOW, Potts Point, near Sydney, New South Wales, Australia. Filed Sept. 13, 1922. Serial No. 587,891. 2 Claims. (Cl. 292—341.)



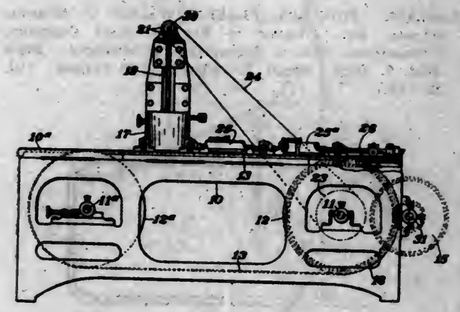
1. A door or sash holder, comprising a flat bracket detachably mounted on the door frame, a cylindrical casing mounted on the free end of the bracket, said casing being provided with a horizontally disposed slot, a perforated false bottom in the casing and mounted above the slot, a ball projecting through said perforated bottom, a helical spring engaging said ball, means for adjusting the tension of the spring, and a flat quadrant plate mounted on the door and adapted to pass through the slot in the bracket, a longitudinal guiding groove for the spring pressed ball on the upper surface of said quadrant plate, said groove being provided with depressions at regular intervals along said groove.

1,485,425. WIRE-COILING MACHINE. EMANUEL MYETTE, Providence, R. I. Filed June 21, 1923. Serial No. 646,873. 17 Claims. (Cl. 242—158.)



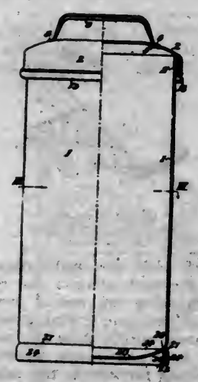
1. In a wire coiling machine, a reel, means to rotate the reel, a threaded shaft, a wire laying arm, a guide on the arm to engage the laid convolutions of the wire, a guide on the arm for the wire being laid, a member having threaded engagement with the threaded shaft, means to connect the arm to said member to allow the arm to move vertically and horizontally, a slidable rod having spaced stops arranged to engage opposite sides of the member, spaced clutch members on said shaft, a clutch carried by the rod and operating in the space between the clutch members and engageable with each of the latter, a second shaft, a yoke pivoted on the second shaft and carrying a pair of spaced disks, a disk between and engaged with the pair of disks, means to operate one of the clutch members from the second shaft, means to actuate the second shaft from the pair of disks, means to actuate the other clutch member from the second shaft, and means to adjustably move the yoke about its pivot.

1,485,426. MACHINE FOR PASTING STORAGE-BATTERY GRIDS. PAUL E. NORRIS, Wilkinsburg, Pa., assignor, by mesne assignments, to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 1920. Serial No. 429,269. 2 Claims. (Cl. 226—39.)



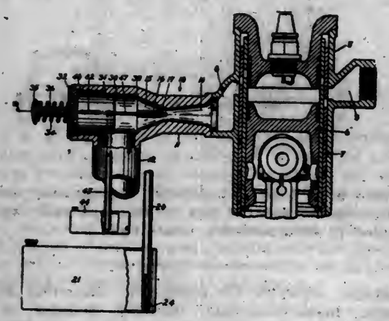
1. A storage battery grid pasting machine comprising a hopper for delivering paste to the grids, a carrier belt of flexible metal for carrying the grids under said hopper, and a take off shoe provided with a knife edge for removing the pasted grids from the carrier belt.

1,485,427. PROCESS FOR FORMING CONTAINERS. ARTHUR E. PAIGE, Philadelphia, Pa. Original application filed July 22, 1922, Serial No. 486,789. Divided and this application filed Feb. 14, 1922. Serial No. 536,510. 6 Claims. (Cl. 113—116.)



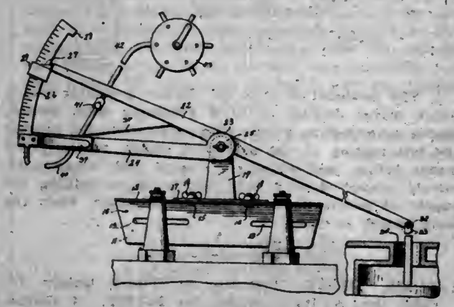
1. The process of forming a container with a tubular body and a bottom plate; which consists in forming said bottom plate with a cylindrical portion surrounded by a transversely extending margin, said cylindrical portion being of such diameter as to fit within said body, and having a rounded edge at the inner end of said cylindrical portion; thrusting said cylindrical portion of said bottom plate into said body to the extent limited by said transversely extending margin on said plate; then spinning said margin to cylindrical form exterior to said body and in contact therewith; then spinning the free edge of said plate against said body and deforming said body and the cylindrical portion of said plate inwardly and thereby forming an annular ridge in said body having its inner edge complementary to the inner edge of said cylindrical portion of said plate and in spaced relation with the inner wall of said body; whereby a smoothly continuous curved surface is formed upon the interior of said container, at the junction of said bottom plate and body, by said complementary portions thereof.

1,485,428. ENGINE-PRIMING DEVICE. HARRY R. PATTERSON, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 28, 1919. Serial No. 341,195. 5 Claims. (Cl. 123—127.)



1. In a device of the class described, the combination of an internal combustion engine having a fuel inlet, a tubular element connected to the fuel inlet, said tubular element having two fuel openings and one air opening; a plurality of valvular members fixedly interconnected, adapted to open and close said openings; and means for operating said valvular members.

1,485,429. GAUGE. GEORGE W. POWELL, La Grande, Oreg. Filed May 3, 1922. Serial No. 558,173. 4 Claims. (Cl. 33—180.)

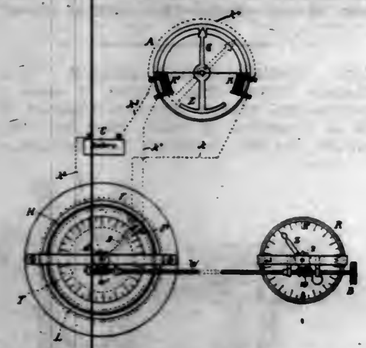


1. In an adjustment gauge for engines having reciprocatory pistons, an adjustable support, a lever pivoted upon the support, an arcuate scale adjustable upon the support and with which one end of the lever coacts, and an indicator slidable upon the scale and disposed in the path of said lever.

1,485,430. DIRECTION-INDICATING APPARATUS. MAX ROUX, Berlin-Friedenau, Germany. Filed Jan. 28, 1921. Serial No. 440,733. 1 Claim. (Cl. 33—222.)

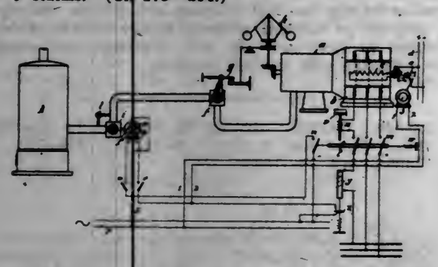
In a direction indicating apparatus, the combination of a compass card, a rotatable pointer associated therewith, a magnetic compass spaced from said card and comprising a frame, a compass box pivotally mounted therein, spaced insulated contacts carried by said box a needle element pivotally mounted in said box and

adapted to make and break electric circuits through said contacts respectively, means forming circuits connected to said contacts indicating means in said circuits and



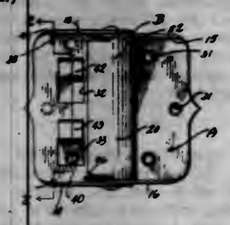
adapted to be controlled thereby, and manually operable means associated with said pointer and said box and adapted to simultaneously rotate each.

1,485,431. SYSTEM OF CONTROL. REINHOLD RÜDENBERG, Berlin-Grunewald, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Dec. 15, 1920. Serial No. 431,051. 6 Claims. (Cl. 175—294.)



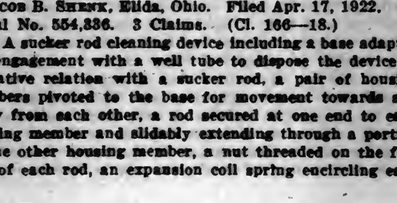
1. The combination with an electric generator and a prime mover driving it, of a generator main switch, means connected in circuit with said switch for causing the interruption of the supply of energy to the prime mover before said switch is opened and means operatively connected with said switch for controlling the supply of motive power to the prime mover, when the main switch is closed.

1,485,432. HINGE. FREDERIC H. SCHOFF, Quincy, Ill. Filed Dec. 8, 1921. Serial No. 521,022. 4 Claims. (Cl. 16—181.)



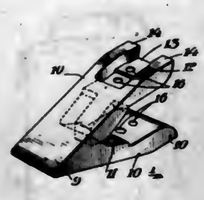
1. A closure supporting device comprising a hinge member formed of a plurality of pivotally connected leaf sections, and a supporting plate, said hinge member and supporting plate having interengaging hook and socket means for suspending said hinge member from said supporting plate, and interengaging lug and socket means for said hinge member and supporting plate adjacent the upper and lower marginal edges thereof to prevent lateral sway of said hinge member and supporting plate.

1,485,433. FOUNDRY FLASK. WALTER F. SCHULZ, Sharon, Pa., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Sept. 9, 1922. Serial No. 587,041. 20 Claims. (Cl. 22—96.)



1. A flask member, comprising an outer wall, and an inner wall substantially parallel to and spaced apart from said outer wall and rigidly secured thereto.

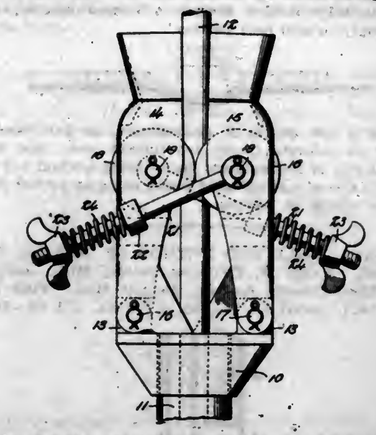
1,485,434. DIPPER TOOTH. VOORHEES N. SEAL, Carlisle, Pa., assignor to The Frog Switch & Manufacturing Company, Carlisle, Pa., a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,799. 4 Claims. (Cl. 37—142.)



1. In a dipper tooth, the combination of a base comprising a nose provided adjacent the rear thereof with a forwardly projecting lug spaced inwardly from the side edges of the nose and having substantially the entire bottom thereof spaced from the nose, and a point carried by said base and having a recess for receiving said lug, said recess forming at the sides thereof a pair of spaced substantially parallel ribs and having a bottom wall connecting said ribs together from end to end thereof, said wall extending under said lug substantially the entire length of the lug.

1,485,435. CLEANING DEVICE FOR SUCKER RODS. JACOB B. SHENK, Elida, Ohio. Filed Apr. 17, 1922. Serial No. 554,836. 3 Claims. (Cl. 166—18.)

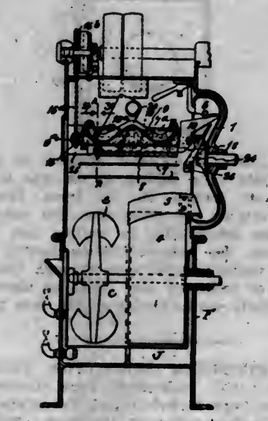
1. A sucker rod cleaning device including a base adapted for engagement with a well tube to dispose the device in operative relation with a sucker rod, a pair of housing members pivoted to the base for movement towards and away from each other, a rod secured at one end to each housing member and slidably extending through a portion of the other housing member, a nut threaded on the free end of each rod, an expansion coil spring encircling each rod between the nut thereon and a portion of the adjacent housing member whereby the housing members are urged together, and a roller carried by each housing member for engagement with the sucker rod to effect removal of deposits therefrom as the same is withdrawn from the well tube.



1,485,436. MEANS FOR PREVENTING OCCLUSION OF HYDROGEN IN METAL CATHODES. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1920. Serial No. 351,005. 4 Claims. (Cl. 204—1.)

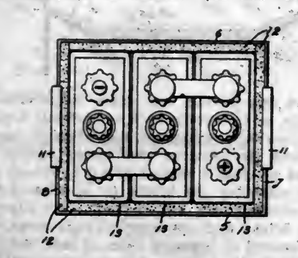
1. The method of preventing occlusion of gases in ferrous electrodes of electrolytic apparatus that comprises maintaining the electrolyte employed in a cool state.

1,485,437. MACHINE FOR COATING CHOCOLATES. ASBJORN SONSTHAGEN, Leytonstone, England. Filed Feb. 17, 1922. Serial No. 537,228. 9 Claims. (Cl. 91—3.)



1. In a core coating machine, the combination, of a reservoir for the coating material; means for emulsifying the coating material; means for conveying the coating material from said reservoir to the emulsifying means; a trough for distributing the emulsified material upon the cores; means cooperating between the emulsifying means and said trough for conveying the emulsified material from said means to the trough; and means for conveying the cores for distribution of the emulsified material thereupon from said trough.

1,485,438. STORAGE-BATTERY BOX. HARRY E. SPOENEMAN and CARL G. SCHWARZ, St. Louis, Mo., assignors to Panama Rubber and Equipment Co., St. Louis, Mo., a Corporation of Missouri. Filed Apr. 18, 1921. Serial No. 462,198. 3 Claims. (Cl. 206—2.)



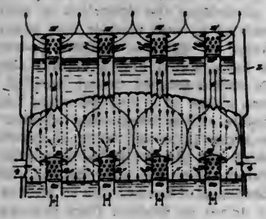
1. A storage battery box comprising an integrally formed acid resisting metallic box, a sheet of acid resisting resilient material located inside said box and on its bottom, a sheet of acid resisting resilient material placed at each end of the box, said sheets resting on the first mentioned sheet and extending from side to side, and a sheet of resilient acid resisting material located on each side of the box, said sheets resting on the bottom sheet and contacting with the end sheets.

1,485,439. PISTON RING. EARL STINER, Detroit, Mich. Filed Nov. 22, 1922. Serial No. 602,493. 1 Claim. (Cl. 74—109.)



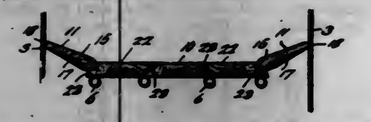
A piston ring comprising a pair of split members provided on their inner periphery with notches at points such that when the notches are in registration, the split ends of the rings are out of registration, and a flat spring bent at substantially equal intervals adapted to lie in contact with the inner periphery of said ring members, said spring having one of its ends bent outwardly to engage within the registering notches in said ring members.

1,485,440. APPLIANCE FOR PURIFYING AND MOISTENING AIR. MIROCLAV STÖHR, Prague, Czechoslovakia. Filed Aug. 13, 1923. Serial No. 657,187. 3 Claims. (Cl. 261—114.)



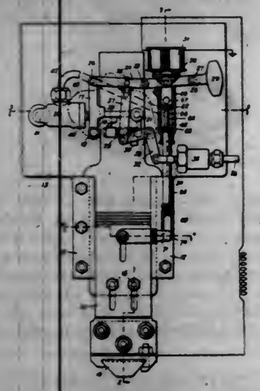
1. An appliance for purifying and moistening the air of rooms, comprising in combination a heating device, a moistening chamber heated by the said heating device, a water chamber which is open to the atmosphere and is located immediately above the said moistening chamber, a member having an extensive superficial area, which member is both the roof of the moistening chamber and the bottom wall of the water chamber and air conveying tubes extending through the said member into the water chamber, as and for the purpose set forth.

1,485,441. ARCH BRICK. JEREMIAH J. SULLIVAN, Nashville, Tenn. Filed Dec. 1, 1922. Serial No. 604,120. 4 Claims. (Cl. 110—87.)



1. In a fire box having arch tubes longitudinally arranged therein, a refractory arch comprising a plurality of bricks tangentially supported and slidable upon said tubes, said arch composed of body bricks having at two opposite edges oppositely related parallel surfaces of ogee configuration adapting the bricks to be adjacently complementally overlappingly nested within the edge dimensions of the bricks and non-interlockingly engaged, and key bricks disposed at opposite sides of said body bricks, said key bricks having rounded ends fitted against corresponding outer surfaces of said body bricks.

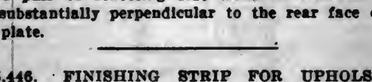
1,485,442. RAILWAY SIGNALING APPARATUS. EDMUND SPENSER TIDDEMAN, Hornchurch, and FREDERICK VERNON RUSSELL, Leytonstone, England, assignors to W. R. Sykes Interlocking Signal Company Limited, Clapham, London, England. Filed July 24, 1920. Serial No. 398,752. 7 Claims. (Cl. 246—181.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



4. In railway signaling apparatus, the combination of means for controlling the application of the brakes, mechanism, including a vertically slidable plunger and a controlled lever, controlling the operation of said means, a contact shoe carried by said plunger and adapted to pass over track ramps of different heights operatively connected with a home signal and a distant signal respectively, a single spring-pressed detent adapted, when the plunger has been raised to a predetermined height by the passage of its shoe over a track ramp relating to a home signal and the latter is in the "danger" position, to prevent the return of said plunger to its normal position, and manually operated means for restoring said detent to its inoperative position, said means being so located as to compel the engine driver to descend from the engine cab to the permanent way to operate the same.

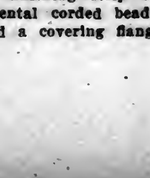
1,485,443. AXLE HOUSING AND METHOD OF MAKING THE SAME. VIGGO V. TORRENSEN, Cleveland, Ohio, assignor to The Vig-Tor Axle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 8, 1922. Serial No. 605,587. 9 Claims. (Cl. 29—153.)

1. The herein described method of making an axle housing which consists in taking a tube of the required length and cutting away substantially one-half of a middle section thereof, bending the remaining portion of said section away from the axis of the tube to form a part of the enlarged center of the housing and then securing to the thus partially formed housing a formed section complementary to said bent portion.



5. As a new article of manufacture, an axle housing having an enlarged center and tubular ends, said ends and one side of said enlarged center being integral and the opposite side of said enlarged center being an arched piece that is welded in position.

1,485,444. DRILL AND METHOD OF MAKING THE SAME. HARRY W. TWOGOOD, Detroit, Mich., assignor to Wheel Trueing Tool Co., Detroit, Mich. Filed Feb. 11, 1921. Serial No. 444,135. 3 Claims. (Cl. 76—108.)



1. A method of making drills, consisting in first providing a reamer body; second, cutting away the reamer body at its ends; third, setting diamonds in the cut away places of said reamer body; fourth, securing the diamonds in place by brazing, and fifth, trimming the reamer body and its brazing material to expose portions of said diamonds.

1,485,445. SIGN. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to The Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1922. Serial No. 603,013. 6 Claims. (Cl. 40—136.)



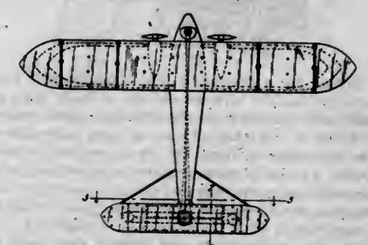
1. A sign plate of material adapted to permit the passage of light rays, formed in its rear face with a depression and formed on its front face with a convexity overlying the depression, the convexity and the depression being alike in outline and forming a sign character, the said depression having a bottom designed to transmit light rays through the convexity and a pair of reflecting side walls of material depth and substantially perpendicular to the rear face of the sign plate.

1,485,446. FINISHING STRIP FOR UPHOLSTERY AND THE LIKE. ALBERT E. VOGT, Rochester, N. Y., assignor to Vogt Manufacturing Corporation, Rochester, N. Y., a Corporation of New York. Filed Oct. 11, 1920. Serial No. 416,282. 2 Claims. (Cl. 155—184.)



1. A fabricated finishing strip for upholstery comprising an ornamental corded bead and an attaching flange portion and a covering flange portion therefor, one of which flange portions is connected to the bead through the medium of the other, which latter terminates in an integral tubular portion surrounding the cord of the bead, all of said parts being integrally woven in one piece.

1,485,447. AIRPLANE. FRANK B. VORACEK, Portland, Oreg. Original application filed Oct. 18, 1920, Serial No. 417,535. Divided and this application filed Apr. 18, 1922. Serial No. 555,393. 2 Claims. (Cl. 244—29.)



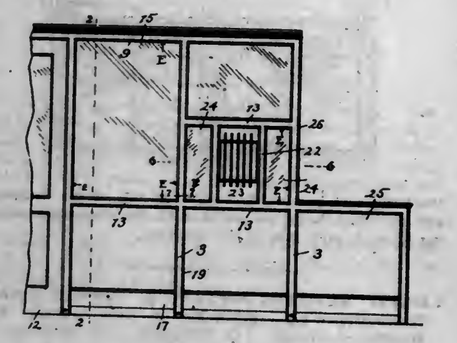
1. In an airplane, the combination of a fuselage tapering toward both ends and terminating in a blunt nose, and having a double deck tail plane extending horizontally from both sides of the fuselage, with a plurality of vertical shafts disposed in spaced relation along the longitudinal center line of the tail plane between the upper and lower decks, pulleys at the bottom of the vertical shafts, a main pulley at the center line of the fuselage and in alinement with the pulleys on the vertical shafts, endless cables connecting the pulleys on the vertical shafts with the main pulley, a driving pulley below the main pulley, a revoluble steering post in the blunt nose of the fuselage, a steering wheel attached to the upper end of the steering post, a steering pulley attached to the lower end of the steering post, an endless cable between the driving pulley and the steering pulley, and vertical rudders mounted on the vertical shafts.

1,485,448. DOUBLE-SASH CATCH. THOMAS E. WALKER, Detroit, Mich., assignor to Crittall Casement Window Co., Detroit, Mich., a Corporation of Michigan. Filed Aug. 17, 1923. Serial No. 657,888. 10 Claims. (Cl. 20—42.)



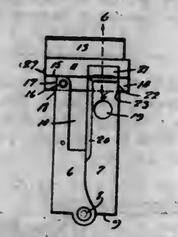
1. In a window frame, the combination of upper and lower sashes swingable relative to said frame and having sash meeting rails adapted to interlock when the sashes are closed, and a barrier in the path of the meeting rail of the lower sash adapted to prevent complete closing of the lower sash until said barrier is shifted, said barrier being operatable by the upper sash being fully closed to push the barrier to a position to permit interlocking of the sash meeting rails.

1,485,449. PARTITION. HARRY F. BALOUN, Cleveland, Ohio. Filed July 5, 1923. Serial No. 649,452. 10 Claims. (Cl. 20—4.)



1. In a partition, frame members comprising pilasters and cross rails of the same cross sectional size and shape, certain of said frame members being interposed between other of said frame members with the ends thereof abutting against the opposed side faces of other of said frame members, said interposed members being slidable lengthwise of the members between which they are interposed and removable bodily from between said members, said interposed frame members having an interlocking connection with the frame members between which they are removably mounted, and panels removably secured within said frame members.

1,485,450. COMPOUND TOOL. HENRY BAUM, Cleveland, Ohio. Filed Dec. 14, 1922. Serial No. 606,831. 8 Claims. (Cl. 30—10.)

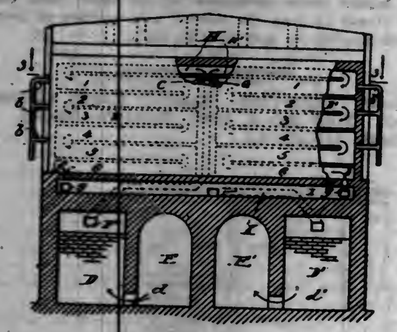


1. A compound tool comprising a handle consisting of pivoted sections, a blade holder pivoted to the free end of one section to swing in or out and a blade fitted in the holder, the other section of the handle being foldable to engage its free end with the holder when the latter is swung out.

1,485,451. HEATING SYSTEM FOR RETORT COKE OVENS. JULIUS BECKER, Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Sept. 17, 1921. Serial No. 501,263. 2 Claims. (Cl. 202—9.)

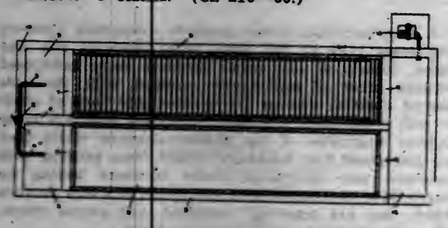
1. In a heating system for retort coke ovens the combination of a coking chamber, two sets of horizontally disposed heating flues on each side of said chamber, and

two regenerators located below the chamber and parallel thereto, one of said regenerators being connected with



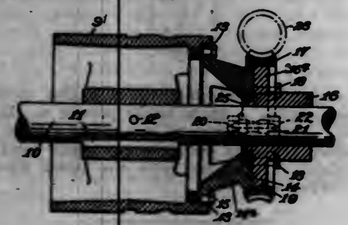
the lowermost heating flues on each side of the chamber and the other being connected with the uppermost heating flues on each side of the chamber.

1,485,452. SETTLING APPARATUS. JAMES P. DOVEL, Birmingham, Ala. Filed May 9, 1921. Serial No. 467,856. 5 Claims. (Cl. 210—60.)



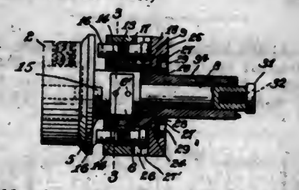
1. In a water purification apparatus, two similar elongated tanks, each having means for the inflow of water to be purified at one end and the overflow of the purified water at the other end, a common marginal rack adapted to be transferred from one to the other tank, means to mount said rack in the top of each tank, and a series of transverse closely associated narrow baffles mounted in said rack.

1,485,453. DIRECT DRIVE FOR LEAD CAM DRUMS. ALFRED E. DRISCOLL, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 20, 1921. Serial No. 523,640. 10 Claims. (Cl. 74—29.)



2. The combination of a rotary shaft, a driving member freely mounted thereon, means for continuously rotating said driving member, a driven member secured to the shaft and spaced laterally from said driving member, and a ring shaped connecting member bridging the space between said driving and driven members and fixedly connected to both thereof at a plurality of points about the axis of said shaft.

1,485,454. REVERSIBLE TAP AND DIE HOLDER. EDMOND E. DROWNS, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1921. Serial No. 474,376. 23 Claims. (Cl. 10—136.)



2. A holder for a threading tool comprising a pair of body members having between certain of their juxtaposed faces shiftable gripping means effective upon reversing the direction of rotation of one of said members relatively to the other to lock the two together, a driving ring carried by one of said members, cooperating driving pins carried, one by the ring and one by a member, means effective upon the release of said driving pins to shift one out of engagement with the other and comprising a camming ring cooperating with said driving ring, said rings having between certain of their juxtaposed faces a cam surface and a spring actuated means cooperating therewith.

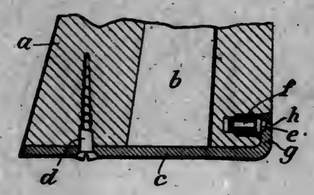
21. In a holder for a threading tool, the combination of a pair of relatively shiftable members, two sets of means for locking said members together at predetermined times, one set comprising companion driving pins including a self-retractable pin, and the other set comprising roller gripping means, and reversely extending cams cooperating with said self-retractable pin for permitting the tool to cut right and left-handed threads.

1,485,455. EARTH-BORING APPARATUS. THEOPHIL J. FREDA, Detroit, Mich. Filed Nov. 14, 1921. Serial No. 514,859. 16 Claims. (Cl. 255—21.)



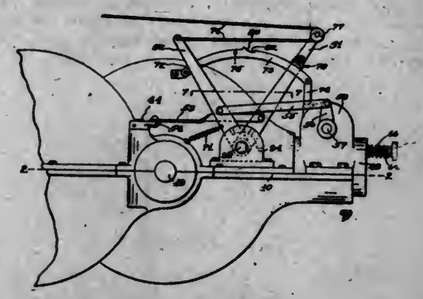
1. A boring apparatus comprising a machine having a casing, a tubular boring unit including spiral cutters adapted to enter the ground below said machine, means on said machine for revolving said boring unit, other tubular units adapted to be interposed between said boring unit and the operating means thereof so that the hole may be progressively bored, the operating means for said boring unit extending through said tubular units adjacent the walls of said units, an auger axially of said tubular boring unit, and axial operating means for said auger independent of the operating means of the remainder of the boring unit.

1,485,456. RIFLE STOCK. RUDOLF V. FROMMER, Budapest, Hungary. Filed Aug. 25, 1921. Serial No. 495,180. 3 Claims. (Cl. 42—71.)



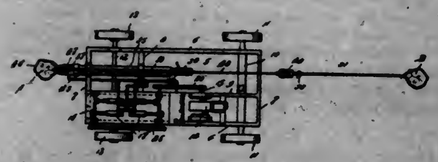
1. In a rifle, a stock having article receiving chamber or chambers, a heelplate secured to the stock by a pin vertically arranged to the plane of the heelplate so that the latter is swingable in its own plane, and cooperative catch means provided on the stock and on the heelplate for releasably maintaining the heelplate in closed position.

1,485,457. POWER TRANSMITTER AND OPERATING MECHANISM THEREFOR. DAVID FRANKLIN GEIGER, Minneapolis, Minn. Filed May 18, 1921. Serial No. 469,148. 12 Claims. (Cl. 74—26.)



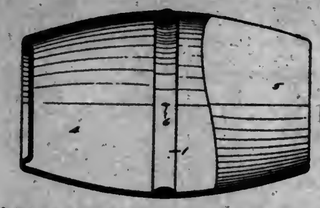
3. In a device of the class described, a driving member, a driven member, a clutch and a reversing member for said driving and driven members, a lever to operate the clutch, a lever to operate the reversing member, and a single line for actuating said levers.

1,485,458. STUMP PULLER. JOEL GILMORE, Hull, Tex. Filed Mar. 28, 1923. Serial No. 628,194. 6 Claims. (Cl. 254—93.)



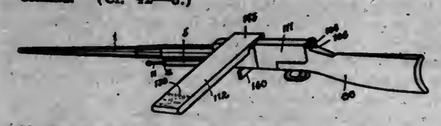
1. In a machine of the class described, a frame, a cylinder disposed upon said frame, a plunger movable within the cylinder, a pointed head upon one end of said cylinder and adapted for engagement with the tree adjacent the stump to be pulled, a source of fluid supply, means for forcing said fluid into said cylinder for occasioning the outward movement of the plunger therein, a cable connected at its ends to the end of said plunger and engaging over pulleys upon said tree, and a connection between the cable and the stump to be pulled.

1,485,459. ARC WELDING. EMIL GRUENFELDT, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,286. 7 Claims. (Cl. 219—10.)



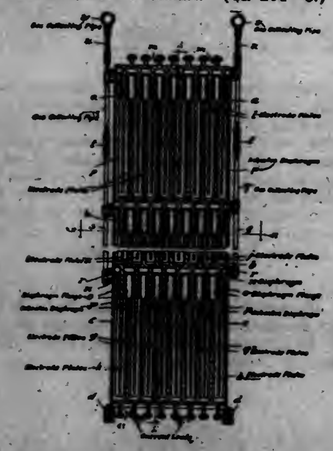
1. A joint produced by arc welding comprising a backing bar having a plurality of projections, a pair of sheet metal members overlying said backing bar and projections, the edges of said sheet metal parts being secured to said bar by fusion of said edges, said projections and said bar.

1,485,460. MACHINE GUN. JAMES S. JOHNSTON, Utica, N. Y. Filed Apr. 3, 1917. Serial No. 159,533. 16 Claims. (Cl. 42—3.)



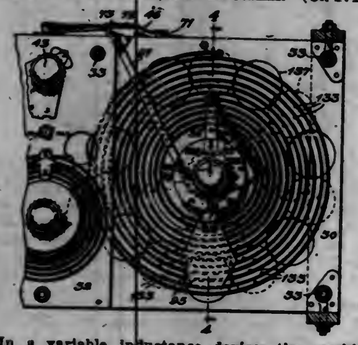
12. In a machine gun, a barrel, a cartridge carrier, a gas chamber, a breech bolt carrying a firing pin, an actuator, a piston rod carrying a piston movable in said gas chamber, whereby to move the actuator for reloading and firing the gun, and said piston rod being divided transversely, one end having a cone and the other a conical recess to center the rod ends and whereby said rod and connected parts may be moved to the rear independently of said piston.

1,485,461. ELECTROLYTIC CELL. ALBERT EDGAR KNOWLES, Heswall, England. Filed July 13, 1922. Serial No. 574,639. 5 Claims. (Cl. 204—5.)



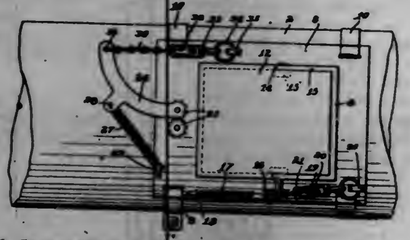
1. An electrolytic plant for the production of oxygen and hydrogen by the electrolysis of water, comprising a group of superimposed cells, partitions between adjacent cells, electrodes extending upwardly from each of the said partitions into the cell above, electrodes depending from each of the said partitions into the cell below, and current leads to the upper closure of the topmost cell and to the bottom of the lowermost cell of the group.

1,485,462. ELECTRICAL APPARATUS. FRITZ LOWENSTEIN, New York, N. Y.; John C. Wait, administrator of said Fritz Lowenstein, deceased, assignor to William Dubilier, New York, N. Y. Original application filed Jan. 19, 1918, Serial No. 212,615. (Patent No. 1,339,772, May 11, 1920.) Divided and this application filed Dec. 2, 1919. Serial No. 341,990. 15 Claims. (Cl. 171—242.)



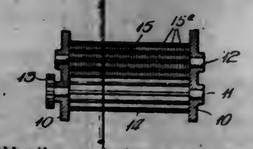
1. In a variable inductance device, the combination, with a plurality of coaxially arranged and electrically connected coils each provided with a movable contact arm, of means extending substantially axially through the set of coils and operable to selectively engage and move any of said movable contact arms.

1,485,463. CONTROLLING MEANS FOR FLUES OF HEATING APPLIANCES. VARNUM D. LUDINGTON, Holley, N. Y. Filed Apr. 17, 1922. Serial No. 553,700. 2 Claims. (Cl. 110—58.)



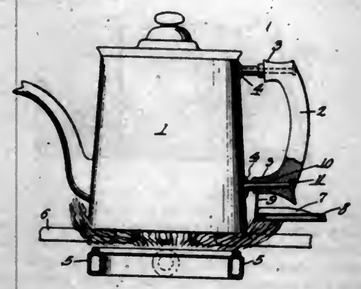
1. In combination with a heating appliance having a combustion flue leading from the combustion chamber thereof, a check damper in said flue adapted to admit air to the flue, and a flue damper arranged between said check damper and the combustion chamber of the heating appliance and having two members operable from a single plane where the damper closes the flue, toward the flow of the products of combustion in order to displace the latter outwardly to heat the air flowing to the combustion chamber through the check damper.

1,485,464. COMPOSITE GEAR. EDWARD MCDONOUGH, Elgin, Ill., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 12, 1919. Serial No. 289,656. 3 Claims. (Cl. 74—41.)



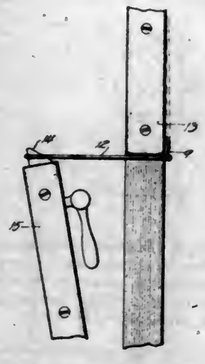
1. In combination, a shaft, a bushing mounted on said shaft, and a plurality of gear laminations arranged in contact side by side and rotatably mounted on said bushing, said bushing being provided with means for lubricating said laminations.

1,485,465. HANDLE PROTECTOR. ARTHUR R. MITCHELL, St. Louis, Mo., assignor to John Obermaier, Chicago, Ill. Filed Sept. 7, 1922. Serial No. 586,595. 1 Claim. (Cl. 53—3.)



A handle protector of the class described having a portion adapted to be detachably connected to a handle and another portion arranged at an angle thereto to serve as a heat deflector, and the last said portion being provided with corrugations which extend into the first said portion and adapted to reinforce the last said portion at its connection with the first said portion.

1,485,466. DOOR HOLDER. CHARLES F. PORTER, Chicago, Ill.; Sarah Harriet Porter executrix of said Charles F. Porter, deceased. Filed Sept. 12, 1921. Serial No. 500,242. 2 Claims. (Cl. 292—262.)

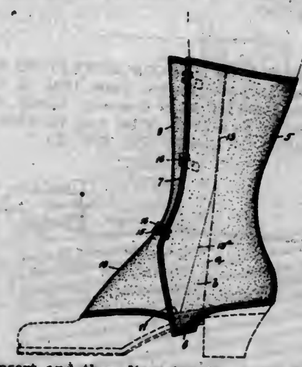


1. The combination with a door frame, a door and a latch bolt thereon, a latch bolt retaining device comprising a flat fastening member, said fastening member being secured to the door frame, and a flat latch receiving member, said two members having hinged relation whereby to lie in substantially the same plane, said latch receiving member being substantially U-shaped in form and having opposing restrictions in each arm to provide means adjacent which the latch bolt is adapted to be received and engaged within the U.

1,485,467. GAITER. HERBERT S. RAUH, New York, N. Y. Filed June 7, 1922, Serial No. 566,451. Renewed Jan. 16, 1924. 1 Claim. (Cl. 36—2.)

A gaiter comprising a main body consisting of connected quarters having their front edges spaced from each other, a strap forming an integral continuation of said quarters and adapted to extend beneath the shoe, an insert folded upon itself and located between the forward edges of said quarters and extending forwardly thereof to form an instep-enclosing portion, lines of stitching extending transversely to and in registry with said strap at opposite sides of said gaiter whereby said insert is attached, at its lower portions, to the main body

of the gaiter, the quarters having flaps extending partly over the insert and connected with the edges thereof by lines of stitching extending parallel with the edges of



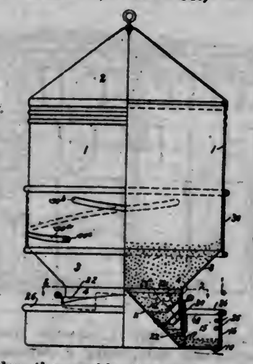
said insert and then diverging forwardly therefrom, and means whereby said gaiter is secured in place upon the shoe.

1,485,468. ATTACHMENT FOR GRAIN BINDERS. JOHN REICHEL, Camden, Ohio. Filed Nov. 21, 1922. Serial No. 602,464. 1 Claim. (Cl. 56—185.)



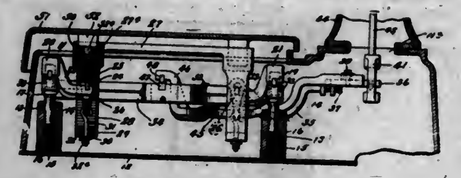
In combination with the platform and conveyor mechanism of a grain binder, an attachment comprising a guard plate, reinforcing bars secured to said plate, the lower ends of said bars being provided with flanges arranged to cooperate with the lower edge of said plate whereby said plate may be secured to the platform underneath said conveyor mechanism.

1,485,469. POULTRY FEEDER. IRWIN D. RIEGEL, Shartlesville, Pa. Filed June 22, 1922. Serial No. 570,062. 4 Claims. (Cl. 119—53.)



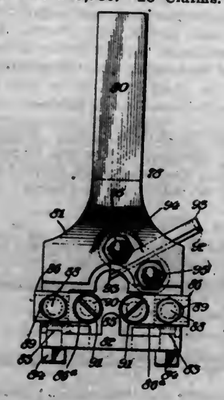
1. In a feeder, the combination with a cylindrical feed reservoir having a connected base portion comprising an annular feed-trough and an inclined annular feed-way communicating with the lower portion of said trough, of a plurality of fixed pressure-relieving rings in said feed-way located at different distances from the trough entrance and differently spaced from the inclined wall of the feed way.

1,485,470. WEIGHING SCALE. HARRY C. SCHAPER, St. Louis, Mo., assignor to The General Automatic Scale Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 12, 1921. Serial No. 436,691. 14 Claims. (Cl. 265—71.)



1. In a weighing scale, a housing, a pair of levers supported in said housing and adapted to operate weight indicating mechanism, a spider frame suspended from said levers and having its points of suspension on a horizontal plane with the fulcrums of said levers, a weighing platform supported on said spider frame, and means mounted in said housing for adjusting said levers in vertical plane.

1,485,471. COMBINATION TOOL. OSCAR A. SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Oct. 26, 1921, Serial No. 510,412. Divided and this application filed Jan. 17, 1922. Serial No. 529,930. 15 Claims. (Cl. 82—35.)



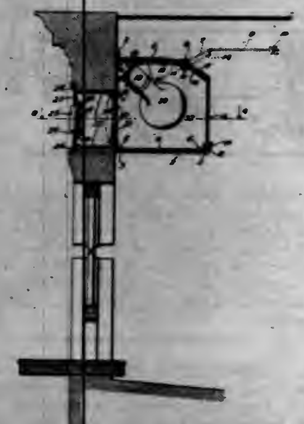
1. A tool holder comprising an enlarged body member having means for attachment to a tool slide of a machine, a work stop carried by said body member and having the work engaging part thereof extending above the bottom of said member, and a tool carried by said body member and terminating above said work stop.

5. A combination tool comprising a tool holder adapted to be connected to a tool slide of a machine and having at one end an enlarged body portion provided with an inwardly extending recess, a work stop bar connected to said body portion and having a stop member terminating in the recess, and a tool mounted on said body portion and also terminating in said recess.

1,485,472. DESK AND SIGN ILLUMINATOR. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to The Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 10, 1922. Serial No. 593,587. 8 Claims. (Cl. 40—130.)

1. A desk and sign illuminator adapted to be secured to a room wall and comprising an elongated box or casing formed with a front having a longitudinal opening therein, a transparent bottom, a rigid opaque top and closed ends, a movable rear pivotally supported at the

inner or rear edge of the rigid top, a longitudinally extending collar secured to the front and projecting forwardly therefrom, and adapted to extend through an opening in the room wall, said collar extending around the margin of the opening in the front of the casing and



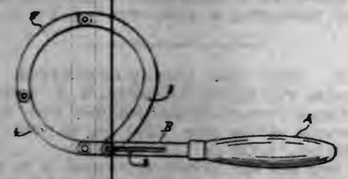
being open at its end adjoining said front, a stencil plate secured over the front end of said collar, transparent letters secured to said stencil plate, electric lamps mounted within the illuminator, and reflector plates carried by the rigid top of the casing and the pivoted back of the casing.

1,485,473. ELECTROLYTIC CELL. HERBERT I. ALLEN, Portland, Me., assignor to Electron Chemical Company, Portland, Me., a Corporation of Maine. Filed Mar. 14, 1922. Serial No. 543,677. 15 Claims. (Cl. 204—58.)



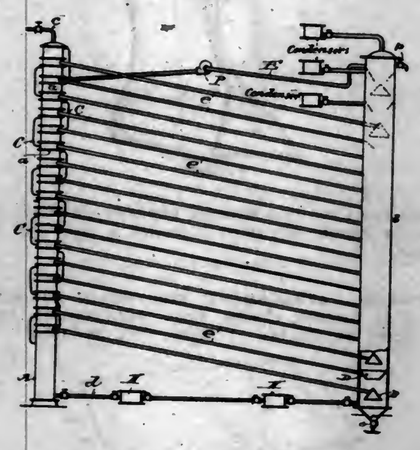
1. An electrolytic cell comprising a tank, a box shaped cathode having an outwardly directed flange at its upper portion overlying said tank, an anode positioned within said cathode, and a freeboard section resting on said flange and made fast to said tank to form a liquid tight joint with said cathode.

1,485,474. CAN-COVER REMOVER. DURWARD M. ALLEN and JEREMIAH E. HAYES, Binghamton, N. Y.; said Allen assignor to said Hayes. Filed July 14, 1922. Serial No. 575,043. 1 Claim. (Cl. 81—3.1.)



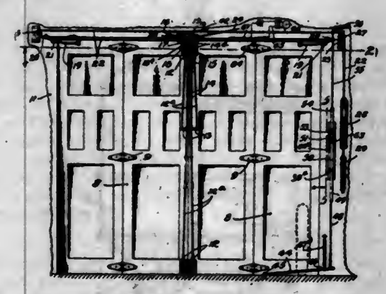
A single handled can cover remover comprising a handle, a shank secured in the handle and provided with a slot intermediate its ends, the outer end of the shank being pointed to engage the can cover, a curved link pivotally connected to the pointed end of the shank, another curved link provided with a pin for traversing the slot in the shank and an intermediate link for connecting the other links together.

1,485,475. APPARATUS FOR CONCENTRATING SOLUTIONS. NATHANIEL T. BACON, Peace Dale, R. I., assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed July 19, 1918. Serial No. 245,634. 10 Claims. (Cl. 159—2.)



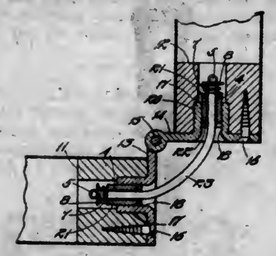
1. In concentrating apparatus, the combination of a preheating column and means for causing a downward flow of liquid therethrough, an evaporating column, connected therewith, means for causing a flow of liquid from the preheating column to the evaporating column, means for causing an upward flow of liquid through the evaporating column and means for heating the liquid in the preheating column from the top downward, with steam of progressively higher temperature evolved in the evaporating column.

1,485,476. DOOR-ACTUATING MECHANISM. FRANK S. BALATTA, St. Paul, Minn. Filed Mar. 1, 1922. Serial No. 540,174. 5 Claims. (Cl. 268—1.)



1. The combination with a movable door, of a door actuating mechanism comprising a depressible lever in the path of movement of a vehicle, an intermediate lever, means for locking said intermediate lever in a position to hold the door open, the depression of said first noted lever serving to open the door, and means for tripping said intermediate lever to permit closing of the door, comprising a depressible member located close to the door in position to be engaged by a wheel of the vehicle.

1,485,477. DOORCHECK. WALTER J. BEHN, Detroit, Mich. Filed Oct. 15, 1920. Serial No. 417,199. 6 Claims. (Cl. 16—72.)



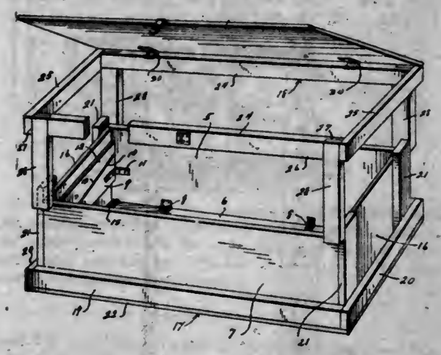
4. The flexible member for a door check which comprises a plurality of superposed strips of metal provided with a head at each end.

1,485,478. LITHOGRAPH ENGRAVING PROCESS ON STRAIGHT LINES. ANTONIO JOSEPH BORDEFELD and MARCUS PAGE EXLINE, Dallas, Tex. Filed Apr. 28, 1923. Serial No. 635,352. 2 Claims. (Cl. 41—33.)



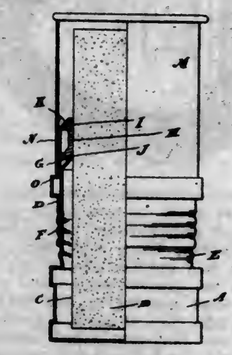
1. The method of transferring letters comprising the forming of an alphabet on a sheet of paper, placing a line on said paper in spaced and parallel relation with said letters, forming a line on a second sheet, cutting said letters apart and placing the same on said second sheet so that the line associated with the respective letters will be superimposed on the line on the second sheet.

1,485,479. CAMPER'S OUTFIT CHEST. ONEY BURY and JAMES ALBERT MASON, Houston, Tex. Filed Feb. 12, 1923. Serial No. 618,522. 6 Claims. (Cl. 190—12.)



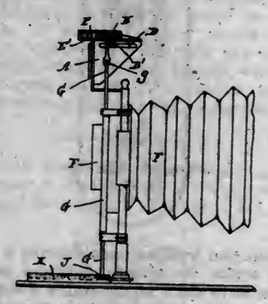
1. A device of the character described comprising a pair of benches including a supporting frame and legs, the seat of one of said benches being movable, one of said benches being inverted and adapted to support the remaining bench and to coact with said bench to provide a chest frame, the movable seat of the upper bench serving as a lid for the frame, and a foldable table disposed within the chest frame to provide chest sides and ends.

1,485,480. SOAP-STICK HOLDER. ELMORE ROY BUTLER, Toronto, Ontario, Canada, assignor to Collapsible Tubes & Containers, Limited, Toronto, Canada. Filed Aug. 16, 1922. Serial No. 582,271. 3 Claims. (Cl. 206—56.)



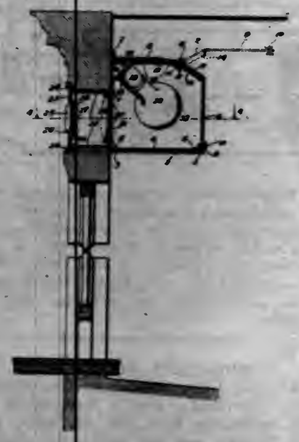
2. A device of the character set forth comprising a holder adapted to house one end of a stick of material, and provided at one end with a flared flange to form a seat; a clamp adapted to be coupled to said holder and beyond which said stick of material will project, and provided at one end with an in-turned flange, and a split ring-clutch surrounding said stick of material and exteriorly provided at each end with an inwardly sloping seat, and located between the flanges of said holder and clamp, the whole adapted to co-act for the purpose set forth.

1,485,481. FOCUSING DEVICE FOR HAND CAMERAS. JOSEPH PATRICK CARMINE, Westport, New Zealand. Filed May 21, 1923. Serial No. 640,442. 7 Claims. (Cl. 95—44.)



1. In a focusing attachment for cameras, a finder having a vision glass in one wall, and an indicator bar mounted with relation to the finder to extend laterally across said glass at right angles to the vertical line of the image shown therein of the object to be photographed; said bar adapted to be moved forward and backward across said glass in the said vertical line of the image while maintaining such lateral position, and indicating the correct focus for said object when it touches the foot of the image and the camera is held level.

inner or rear edge of the rigid top, a longitudinally extending collar secured to the front and projecting forwardly therefrom, and adapted to extend through an opening in the room wall, said collar extending around the margin of the opening in the front of the casing and



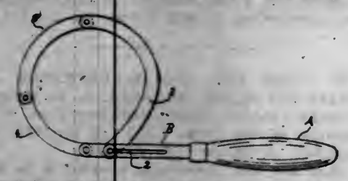
being open at its end adjoining said front, a stencil plate secured over the front end of said collar, transparent letters secured to said stencil plate, electric lamps mounted within the illuminator, and reflector plates carried by the rigid top of the casing and the pivoted back of the casing.

1,485,473. ELECTROLYTIC CELL. HERBERT I. ALLEN, Portland, Me., assignor to Electron Chemical Company, Portland, Me., a Corporation of Maine. Filed Mar. 14, 1922. Serial No. 543,677. 15 Claims. (Cl. 204—58.)



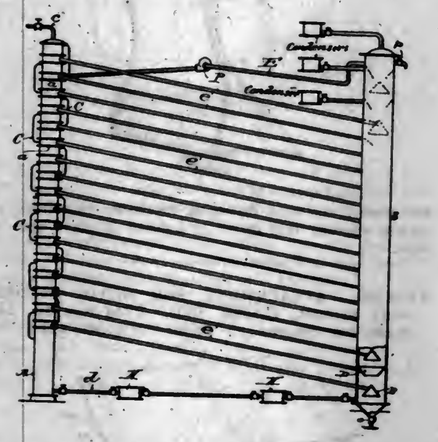
1. An electrolytic cell comprising a tank, a box shaped cathode having an outwardly directed flange at its upper portion overlying said tank, an anode positioned within said cathode, and a freeboard section resting on said flange and made fast to said tank to form a liquid tight joint with said cathode.

1,485,474. CAN-COVER REMOVER. DURWARD M. ALLEN and JEREMIAH E. HAYES, Binghamton, N. Y.; said Allen assignor to said Hayes. Filed July 14, 1922. Serial No. 575,043. 1 Claim. (Cl. 81—3.1.)



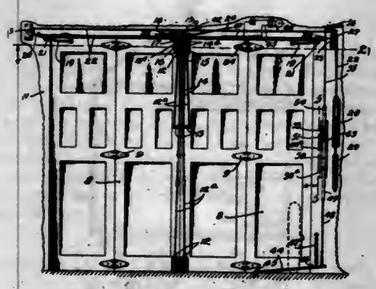
A single handled can cover remover comprising a handle, a shank secured in the handle and provided with a slot intermediate its ends, the outer end of the shank being pointed to engage the can cover, a curved link pivotally connected to the pointed end of the shank, another curved link provided with a pin for traversing the slot in the shank and an intermediate link for connecting the other links together.

1,485,475. APPARATUS FOR CONCENTRATING SOLUTIONS. NATHANIEL T. BACON, Peace Dale, R. I., assignor to The Solvay Process Company, Solvay, N. Y., a Corporation of New York. Filed July 19, 1918. Serial No. 245,634. 10 Claims. (Cl. 159—2.)



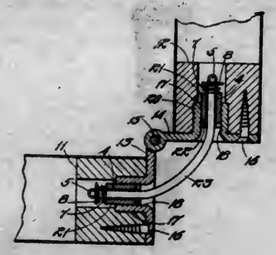
1. In concentrating apparatus, the combination of a preheating column and means for causing a downward flow of liquid therethrough, an evaporating column, connected therewith, means for causing a flow of liquid from the preheating column to the evaporating column, means for causing an upward flow of liquid through the evaporating column and means for heating the liquid in the preheating column from the top downward, with steam of progressively higher temperature evolved in the evaporating column.

1,485,476. DOOR-ACTUATING MECHANISM. FRANK S. BALATTA, St. Paul, Minn. Filed Mar. 1, 1922. Serial No. 540,174. 5 Claims. (Cl. 268—1.)



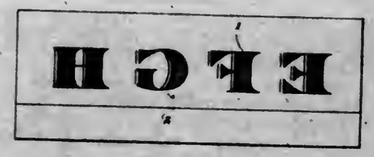
1. The combination with a movable door, of a door actuating mechanism comprising a depressible lever in the path of movement of a vehicle, an intermediate lever, means for locking said intermediate lever in a position to hold the door open, the depression of said first noted lever serving to open the door, and means for tripping said intermediate lever to permit closing of the door, comprising a depressible member located close to the door in position to be engaged by a wheel of the vehicle.

1,485,477. DOORCHECK. WALTER J. BEHN, Detroit, Mich. Filed Oct. 15, 1920. Serial No. 417,199. 6 Claims. (Cl. 16—72.)



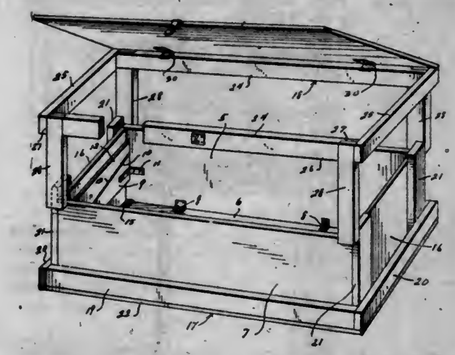
4. The flexible member for a door check which comprises a plurality of superposed strips of metal provided with a head at each end.

1,485,478. LITHOGRAPH ENGRAVING PROCESS ON STRAIGHT LINES. ANTONIO JOSEPH BOEDEFELD and MARCUS PAGE EKLIND, Dallas, Tex. Filed Apr. 28, 1923. Serial No. 635,852. 2 Claims. (Cl. 41—33.)



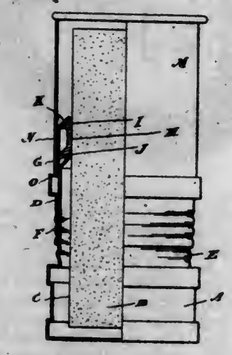
1. The method of transferring letters comprising the forming of an alphabet on a sheet of paper, placing a line on said paper in spaced and parallel relation with said letters, forming a line on a second sheet, cutting said letters apart and placing the same on said second sheet so that the line associated with the respective letters will be superimposed on the line on the second sheet.

1,485,479. CAMPER'S OUTFIT CHEST. ONEY BURY and JAMES ALBERT MASON, Houston, Tex. Filed Feb. 12, 1923. Serial No. 618,522. 6 Claims. (Cl. 190—12.)



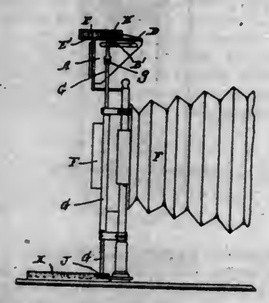
1. A device of the character described comprising a pair of benches including a supporting frame and legs, the seat of one of said benches being movable, one of said benches being inverted and adapted to support the remaining bench and to coact with said bench to provide a chest frame, the movable seat of the upper bench serving as a lid for the frame, and a foldable table disposed within the chest frame to provide chest sides and ends.

1,485,480. SOAP-STICK HOLDER. ELMORE ROY BUTLER, Toronto, Ontario, Canada, assignor to Collapsible Tubes & Containers, Limited, Toronto, Canada. Filed Aug. 16, 1922. Serial No. 582,271. 3 Claims. (Cl. 206—56.)



2. A device of the character set forth comprising a holder adapted to house one end of a stick of material, and provided at one end with a flared flange to form a seat; a clamp adapted to be coupled to said holder and beyond which said stick of material will project, and provided at one end with an in-turned flange, and a split ring-clutch surrounding said stick of material and exteriorly provided at each end with an inwardly sloping seat, and located between the flanges of said holder and clamp, the whole adapted to co-act for the purpose set forth.

1,485,481. FOCUSING DEVICE FOR HAND CAMERAS. JOSEPH PATRICK CARMINE, Westport, New Zealand. Filed May 21, 1923. Serial No. 640,442. 7 Claims. (Cl. 95—44.)



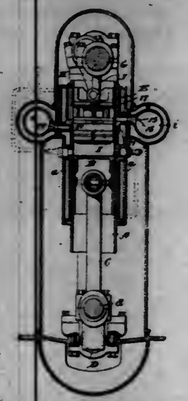
1. In a focusing attachment for cameras, a finder having a vision glass in one wall, and an indicator bar mounted with relation to the finder to extend laterally across said glass at right angles to the vertical line of the image shown therein of the object to be photographed; said bar adapted to be moved forward and backward across said glass in the said vertical line of the image while maintaining such lateral position, and indicating the correct focus for said object when it touches the foot of the image and the camera is held level.

1,485,482. FLOOR MOP. CHARLES A. CHANNELL, Chicago, Ill., assignor to Channell Chemical Company, a Corporation of Illinois. Original application filed Aug. 9, 1917, Serial No. 185,235. Divided and this application filed Nov. 21, 1921. Serial No. 516,553. 2 Claims. (Cl. 15—229.)



2. In a mop head comprising an upper plate having a flange against which the mop fabric can normally be held and a lower plate provided with a downwardly and outwardly projecting flange, said flange being adapted to engage and hold the mop against the flange of the upper plate, a pin secured between said plates, a movable handle socket mounted on said head, said socket comprising a single piece of metal, a portion of which is bent around said pin, said socket extending through said upper plate and an upturned integral portion of said upper plate acting as a stop to limit the movement of said handle socket around said pivot in one direction.

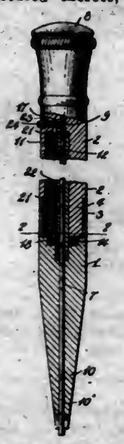
1,485,483. INTERNAL-COMBUSTION ENGINE. BARTLETT HOMER CHAPPELL, New York, N. Y., assignor to William Grant Brown, New York, N. Y. Filed May 3, 1919. Serial No. 294,402. 4 Claims. (Cl. 123—75.)



1. In combination with an engine having a cylinder, a piston valve within the cylinder having a gear connection with the main shaft of the engine whereby to constitute a power unit, a plunger within the cylinder, said piston valve having at the compression end thereof a packing ring, and an auxiliary ring spaced from the first mentioned ring and adapted to travel between the inlet and exhaust port of the cylinder.

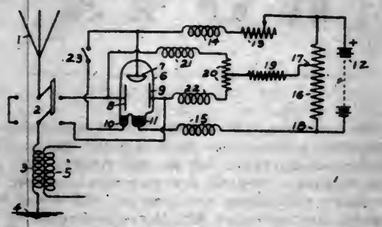
1,485,484. REFILLABLE PENCIL. PIERRE CHARTON, Montreal, Quebec, Canada. Filed June 9, 1922. Serial No. 567,102. 3 Claims. (Cl. 120—4.)

3. A pencil comprising a body having a bore therein, a chamber formed in the body and communicating with the bore, said chamber being adapted to contain a plurality of leads, a shaft journalled in said body and having a follower secured thereto, said follower being



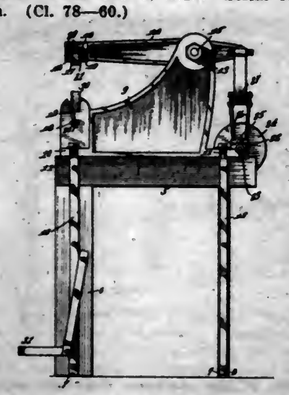
disposed in the chamber, an internal gear formed around the bore, a pinion secured to said shaft and adapted to mesh with the gear, and a spring surrounding said shaft.

1,485,485. RADIOSIGNALING. HENRY G. CORDES, Bremerton, Wash. Filed Sept. 29, 1919. Serial No. 327,313. 16 Claims. (Cl. 250—20.)



9. The method of reducing the duration of a train of free oscillations in an oscillatory circuit of a radio receiving system which consists in limiting the amount of electrostatic energy in an oscillatory circuit which can be transformed into electromagnetic energy.

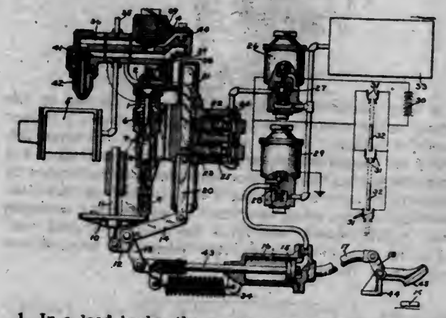
1,485,486. POWER HAMMER. JAMES I. DEPEW, Loup City, Nebr. Filed Oct. 3, 1922. Serial No. 592,069. 1 Claim. (Cl. 78—60.)



In a power hammer, a die support having a cut out portion formed with a relatively perpendicular wall and an inclined wall, laterally extending ears disposed on

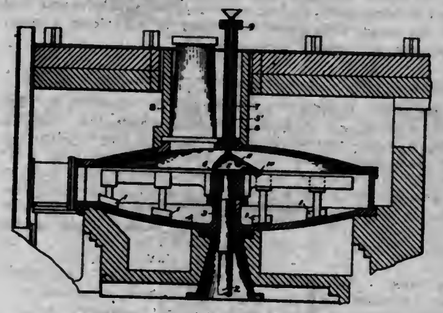
said support, said cut out portion adapted to receive a die, a securing bolt positioned between one surface of the die and said inclined wall of the cut out portion, and said securing bolt extending through the ears for securing the die within the cut out portion.

1,485,487. VARIABLE-LOAD BRAKE. EDWARD H. DEWSON, Quincy, Mass., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Jan. 26, 1923. Serial No. 615,011. 4 Claims. (Cl. 303—22.)



1. In a load brake, the combination with an adjustable mechanism for regulating the braking power, of a member associated with the car truck, a rocker arm mounted on the car body and adapted to engage said member, a piston cylinder operatively connected to said arm, and a piston in said cylinder operatively connected to said mechanism.

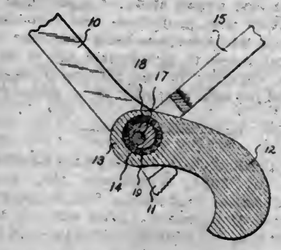
1,485,488. FURNACE FOR THE MANUFACTURE OF HYDROCHLORIC ACID AND SODIUM SULPHATE. CARL DIETZ and MATTHIAS LATTEN, Leverkusen, near Cologne, Prussia, and WILHELM BOSSE, Cologne, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Aug. 8, 1921. Serial No. 490,765. 5 Claims. (Cl. 23—1.)



1. A furnace for the manufacture of hydrochloric acid and sodium sulphate comprising, stirring mechanism, an acid supply, and means movable with said stirring mechanism and terminating adjacent the center of the furnace for delivering acid thereto.

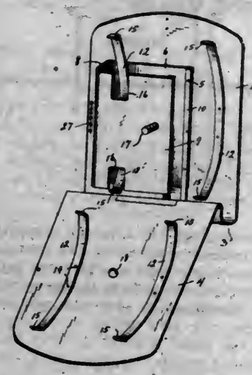
1,485,489. TONGS. LEWIS C. DOCKERY, Corsicana, Tex. Filed Jan. 22, 1923. Serial No. 614,270. 1 Claim. (Cl. 81—98.)

A pipe wrench comprising a pair of pivotally connected handles, a jaw rigidly secured to one of said handles, a relatively movable jaw, said movable jaw having a bifurcated inner end to receive the handle of the rigid jaw, a bifurcated inner end for the other handle to receive the movable jaw and the handle of the rigid jaw, bearing members carried by the bifurcated ends of



the handle to provide a bearing for the movable jaw and a pivot pin extending through the handles and movable jaw and disposed eccentric to the bearing members.

1,485,490. RECEPTACLE. RAYMOND A. DORSEY, Baltimore, Md. Filed Jan. 31, 1923. Serial No. 616,075. 4 Claims. (Cl. 206—39.)



1. A receptacle of the class described comprising two hingedly connected plates one overlapping the other when the receptacle is closed, a pocket carried by one of the plates, an outstanding stud carried by the wall of the pocket, the second plate being provided with an opening through which the stud extends when the plates are in overlapping relation, and a member threaded upon the stud for holding the plates in overlapping relation.

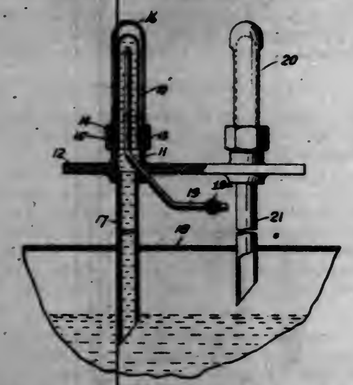
1,485,491. TAP BOLT AND OPERATING CAP THEREFOR. ROBERT Z. DRAKE, Omaha, Nebr. Filed Oct. 2, 1922. Serial No. 591,730. 5 Claims. (Cl. 85—9.)



1. In devices for the purpose described, the combination with a bolt having a head provided with peripheral recesses, said head being provided on its inner side with secondary recesses each opening on a peripheral recess

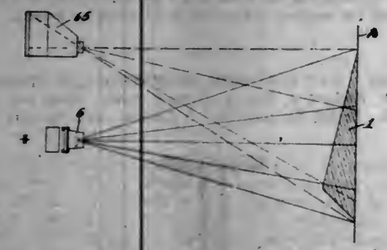
and with radially disposed blades each extending from the shank to terminate in a recess, the side wall of each secondary recess providing a second blade disposed in the plane of a first named blade, of a revoluble cap having lugs provided with projections, the combined widths of each lug and its projections being less than the width of a peripheral recess to permit said cap to be disposed with its lugs engaging in the peripheral recesses with one of its projections engaging in a secondary recess of said head.

1,485,492. WATER GAUGE FOR STEAM GENERATORS. FRANCIS I. DU PONT, Wilmington, Del., assignor to Delaware Chemical Engineering Co., Wilmington, Del., a Corporation of Delaware. Filed Apr. 13, 1921. Serial No. 460,993. 11 Claims. (Cl. 116—118.)



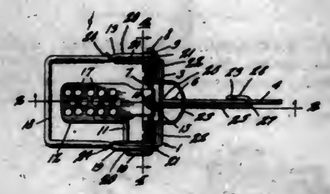
3. A liquid level gauge for a container under pressure, comprising an indicator closed to the container at the upper end and above the level at which the liquid is to be registered, and a pipe connected to the lower end of the indicator and communicating with the container at the level to be registered, said device being adapted to indicate whether the water is above or below the lower end of the pipe without circulating through the indicator.

1,485,493. PROCESS OF PRODUCING GIVEN THREE-DIMENSIONAL FIGURES AND MEANS FOR CARRYING OUT THE SAID PROCESS. HOWARD M. EDMUNDS, Brighton, England. Filed July 3, 1920. Serial No. 393,962. 77 Claims. (Cl. 95—5.)



1. The process of making a guide plate for use in producing solid reproductions of objects either in full or altered scale and in full or altered degree of relief which consists in throwing by means of a light projector a line on an object in relief against a screen which is normal to the optical axis of said projector, photographing said line by means of a camera, the incident nodal point of the lens of which is in a plane normal to said optical axis and passing in proximity to the emergent nodal point of the lens of said projector, developing the resulting negative and photoengraving the line defined thereon.

1,485,494. TRAP. THOMAS G. EDWARDS, Arlington, Ky.; Bertha Edwards administratrix of said Thomas G. Edwards, deceased. Filed Jan. 4, 1922. Serial No. 526,905. 1 Claim. (Cl. 43—81.)



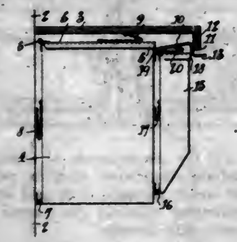
A trap comprising a frame; a support carried by the frame; a jaw mounted pivotally on the support; a trigger mounted pivotally on the support; a latch mounted pivotally on the frame and cooperating with the trigger and with the jaw to hold the jaw set; and springs carried by the support and cooperating with the jaw to close the jaw, the springs being connected by an inverted U-shaped yoke within which the latch operates, the yoke constituting a stop for the latch when the latch moves away from the trigger.

1,485,495. CRUDE-OIL BURNER. ERROL R. ELDRED and WILLIAM R. ELDRED, El Portal, Calif. Filed Mar. 6, 1923. Serial No. 623,119. 4 Claims. (Cl. 158—78.)



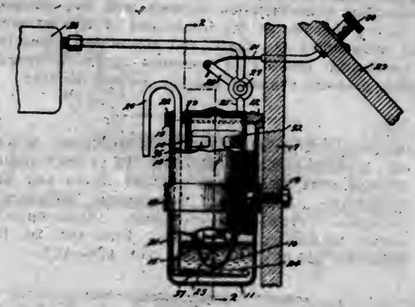
1. A crude oil burner comprising a hollow head adapted at its inner end for connection to a source of fuel supply, and a horizontal line of spaced holes in the outer end of the head, said holes increasing in size from a point opposite the supply connection.

1,485,496. PANTRY RECEPTACLE. THOMAS G. ELLIOTT, North Vancouver, British Columbia, Canada. Filed Nov. 13, 1922. Serial No. 600,682. 9 Claims. (Cl. 211—6.)



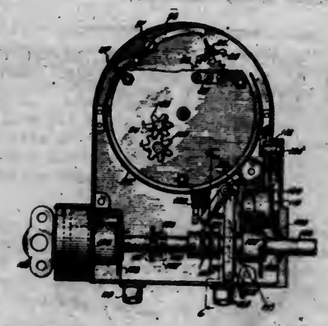
1. A pantry receptacle of the class described, comprising the combination with a horizontally disposed shelf or the like, of an open ended box hinged along its lower edge with its open end in proximity to the underside of the shelf, a cover hinged to the open edge of the box along the same side as the hinge, means for retaining the box in its upright position beneath the shelf, and means limiting outward movement of the box on its hinge.

1,485,497. COMBUSTION PROMOTER. ELMER ISAIAH EMMASON, Middletown, N. Y. Filed Nov. 29, 1919. Serial No. 341,553. 1 Claim. (Cl. 123—198.)



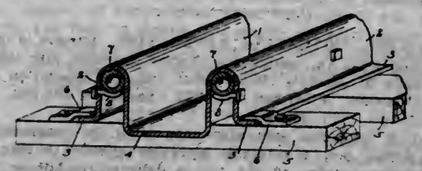
The method of reducing carbon formations in the cylinders of internal combustion motors, which consists in introducing air into the cylinders of the motor cylinders with the introduction of the charge of fuel, said air having been first passed through a volume of hydrogen peroxide sufficient to saturate the air therewith.

1,485,498. ALARM DEVICE. VLADIMIR P. FEDOROFF, New York, N. Y. Filed Feb. 17, 1920. Serial No. 359,260. 48 Claims. (Cl. 116—75.)



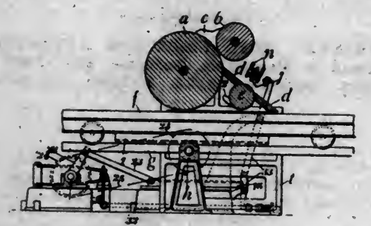
32. In combination, a casing having a door provided with a locking member, alarm mechanism including a movable controlling part, means operated by said part and cooperating with said locking member to lock said door, and means operated by said alarm mechanism to restrain said locking means against operation to unlock said door and to release said locking means for operation to unlock said door at the termination of operation of said alarm mechanism.

1,485,499. TRACK PAN FOR RAILROADS. JAMES H. FLEHARTY, Berea, Ohio, assignor to The Fleharty Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 23, 1921. Serial No. 479,746. 6 Claims. (Cl. 103—82.)



6. A track pan for railroads comprising a longitudinally extending trough having its lateral edges bent downwardly and then outwardly to form integral depending flanges, in combination with clips spiked to such ties and overlying the outwardly bent portions of such flanges, and steam pipes secured in place between such flanges and the sidewalls of said trough.

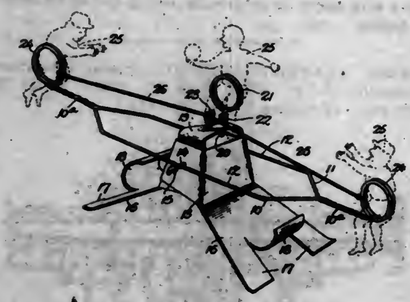
1,485,500. MACHINERY FOR PRODUCING GLASS SHEETS OR PLATES. ALFRED LINDSAY FORSTER, Smethwick, England, assignor of one-half to Chance Brothers and Co., Limited, Smethwick, England. Filed Dec. 11, 1922. Serial No. 606,255. 7 Claims. (Cl. 49—8.)



1. In glass plate forming machines, the combination comprising cutting tools for severing the formed glass into plates, a tool carrying bar movable in an endwise direction, angularly movable supports for the bar, a roller with which the cutters co-operate in the cutting of the glass and means for moving the bar and its supports about the axis of the roller, substantially as described.

2. In glass plate forming machines, the combination comprising rotary cutting tools for severing the formed glass into plates, a bar carying the tools, angularly movable supports for the bar permitting a rising and falling as well as an endwise movement of the bar, means for imparting endwise movement to the bar, and rotary abutment pieces for imparting angular movements to the bar supports, substantially as described.

1,485,501. SEESAW TOY. ANDREW J. GIPSON, Perkins, Okla. Filed June 1, 1922. Serial No. 565,080. 1 Claim. (Cl. 46—40.)

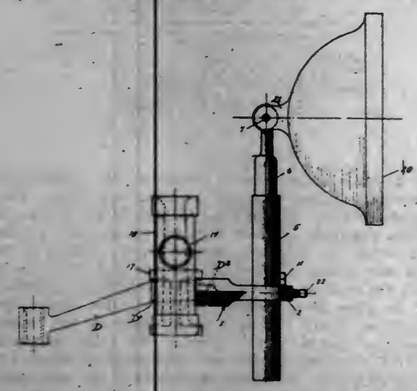


A seesaw toy consisting of a support in the form of a central upright pedestal, a seesaw frame fulcrumed on the pedestal, figure holding devices carried by the ends of said frame and by the said pedestal, of which the latter is mounted to oscillate in a vertical plane on the pedestal above the seesaw frame and is provided with a lateral extension, and a flexible connection secured at its center to said extension and at its ends to portions of the seesaw frame upon opposite sides of the fulcrum thereof.

1,485,502. SYNTHETIC METHOD OF PRODUCING CYANIDES. TATSUSABURO HARA, Tokyo, Japan, assignor to Mitsubishi Kogyo Kabushiki Kaisha, Tokyo, Japan. Filed June 25, 1920. Serial No. 391,710. 3 Claims. (Cl. 23—13.)

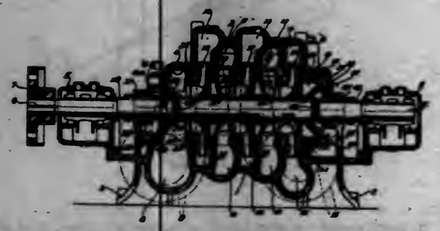
1. The process of manufacturing cyanide by passing nitrogen into contact with a catalytic substance mixed with alkali forming metal compounds at a high temperature, which catalytic substance is a carbon containing material, charged with minute particles of iron oxide prepared by soaking the carbon containing material with a solution of an iron chloride and decomposing the iron chloride with steam at a high temperature.

1,485,503. ROAD LIGHT FOR AUTOMOBILES. THOMAS A. HENDRICKS, Lexington, Ky. Filed Mar. 6, 1923. Serial No. 623,271. 3 Claims. (Cl. 240—62.)



1. A roadway lamp for automobiles and a support therefor including a bracket having means to engage a portion of the steering arm of an automobile, a barrel clamped vertically in the bracket, a member to which the lamp is attached movable vertically within the barrel and having a sleeve thereon intermediate its ends and springs compressed between opposite sides of the sleeve and spaced portions of the said member, and a set screw threaded through the wall of the barrel and engaging said sleeve to detachably secure the latter within the barrel.

1,485,504. CENTRIFUGAL PUMP. ALADAR HOLLANDER, Belleville, N. J. Filed June 30, 1922. Serial No. 571,883. 13 Claims. (Cl. 103—112.)



9. A thrust balancing mechanism comprising a casing, a shaft extending through said casing, an intake chamber at one end of said mechanism, a pressure discharge chamber at the other end of said mechanism, means to force fluid from the intake chamber to the discharge chamber, a balancing pressure chamber at the discharge end of said mechanism and in communication with the pressure discharge chamber, a thrust balancing means connected to and movable axially with said shaft and subject to pressure in the balancing pressure chamber, a counter-balancing pressure chamber on the opposite side of the thrust balancing means, the said thrust balancing means controlling communication between said two chambers, a sealing chamber at the intake end of the mechanism and surrounding the shaft, and means for maintaining a substantial equality of pressures in the counter-balancing pressure chamber and the sealing chamber.

1,485,505. PROCESS FOR INTRODUCING ALKALI OR EARTH-ALKALI METALS IN DISCHARGING TUBES AND THE LIKE. GILLES HOLST and EKKO OOSTERHUIS, Eindhoven, Netherlands, assignors to Naamlooze Vennootschap Philip's Gloeilampen-Fabrieken, Eindhoven, Netherlands. Filed Oct. 26, 1920. Serial No. 419,659. 2 Claims. (Cl. 176—122.)



1. Evacuated container electrical apparatus, in which an alloy of an alkali- or earth-alkali-metal with a nobler metal of low vapor pressure is applied at a place where a sufficiently high temperature is obtained to vaporize the alkali or earth-alkali metal, while the other component of the alloy does not evaporate perceptibly and the vapor of the alkali or earth alkali metal does not coact in the conduction of the current.

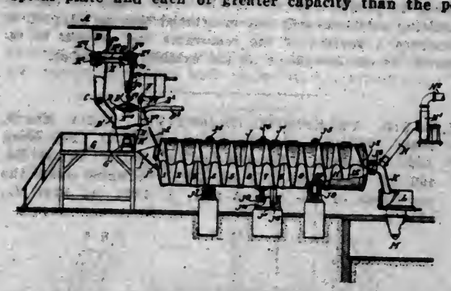
1,485,506. HAIR-CURLING DEVICE. BARBARA E. IKAS, Newark, N. J. Filed Sept. 27, 1922. Serial No. 590,876. 4 Claims. (Cl. 132—41.)



1. A hair curler including a clip for attachment to a lock of hair to be rotated for rolling the hair about the clip and provided at one end with an opening, and a separate supplementary clip formed at one end with a hook to engage in said opening and provided at its opposite end with means to engage the opposite end of said first-mentioned clip coacting with the roll of hair locking said first-mentioned clip against counter rotation.

1,485,507. NITRATING APPARATUS. GEORGE JUHL, Hopewell, Va., assignor to Tubize Artificial Silk Company of America, Wilmington, Del., a Corporation of Delaware. Filed Jan. 21, 1922. Serial No. 530,786. 3 Claims. (Cl. 23—3.)

1. A nitrating apparatus comprising in combination a mixing pot, a rotatable nitrating cylinder having a charging opening at one end, a delivery conduit at its other end and a spirally twisted plate secured to its inner surface, said plate having such pitch and height as to form with the walls of the cylinder and along the bottom of the cylinder a multiple series of receptacles separated from each other by the lower portions of the spiral plate and each of greater capacity than the pot



and all connected in series by the upper spaces between convolutions of the spiral plate, and means for rotating the cylinder.

1,485,508. VALVE. EDWARD J. KILEY, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of Ohio. Filed May 11, 1922. Serial No. 560,055. 8 Claims. (Cl. 251—25.)



5. A valve comprising a cup shaped member provided with a recessed boss to receive a headed operating stem and a resilient side wall comprising a plurality of segments, a disc positioned in the cup member to engage the seat in a valve, means interposed between the head of the stem and disc to impart thrust from the stem to the disc, and means on the edge of the segments to hold the parts in position, but permit the disc to be removed from the cup member at will.

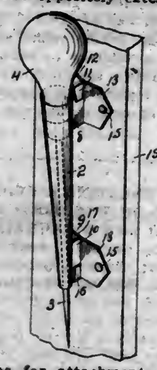
1,485,509. APPARATUS FOR COUPLING TRACTORS TO TRAILERS. OTTO KÖHLER, Vienna, Austria, assignor to Oesterreichische Daimler Motoren Aktiengesellschaft, Wiener-Neustadt, Austria. Filed July 7, 1921. Serial No. 483,047. 5 Claims. (Cl. 280—33.1.)



1. Apparatus for coupling a tractor having a rearwardly extending steering and coupling arm to a trailer having a forwardly extending coupling arm, comprising an articular connection capable of allowing the tractor and trailer to be swivelled relatively to one another at least laterally and a rearwardly arranged fastening device for connecting the two coupling arms together, whereby the tractor and trailer can be connected together by means of the articular connection in any angular position of the coupling arms relatively to one another and then by driving the tractor forward and pulling the trailer after it, the coupling arms can be brought into alinement thus enabling the said fastening device to be readily applied.

1,485,510. ICE-PICK HOLDER. FRANK ARON, Kansas City, Mo. Filed July 24, 1922. Serial No. 577,048. 4 Claims. (Cl. 248—20.)

1. An ice pick holder comprising a sheet of suitable material formed into an upwardly flaring tubular body, the longitudinal edges of the sheet having respectively two rearwardly extending portions having at their rear ends respectively two oppositely extending lateral extensions having means for attachment to a suitable support, one of said portions having a lip folded over the other extension for holding the extensions together.



1,485,511. LINING FOR HATS. ALFRED KURTZ, Brooklyn, N. Y. Filed Apr. 29, 1920, Serial No. 377,584. Renewed Aug. 5, 1922. Serial No. 579,962. 3 Claims. (Cl. 2—113.)



1. In a hat lining the combination of a side crown, a tip and an annular grooved connecting member separate from the tip, said tip being provided with means for detachably engaging said grooved annular member.

1,485,512. LINER. FRANK LE COCQ and IRWIN LE COCQ, Aberdeen, S. Dak.; said Frank Le Cocq assignor to said Irwin Le Cocq. Filed Feb. 28, 1922. Serial No. 539,939. 2 Claims. (Cl. 166—4.)

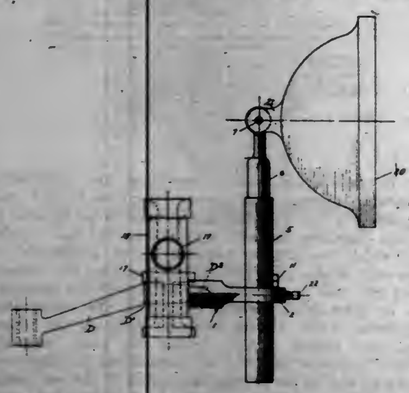


1. In an oil well, the combination of inner and outer spaced casings, a filling of cement between the inner and

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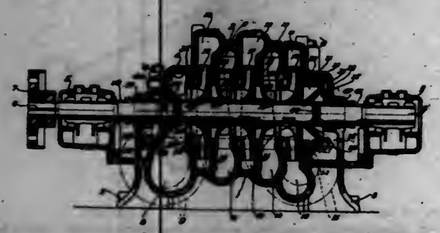
1. The process of manufacturing cyanide by passing nitrogen into contact with a catalytic substance mixed with alkali forming metal compounds at a high temperature, which catalytic substance is a carbon containing material, charged with minute particles of iron oxide prepared by soaking the carbon containing material with a solution of an iron chloride and decomposing the iron chloride with steam at a high temperature.

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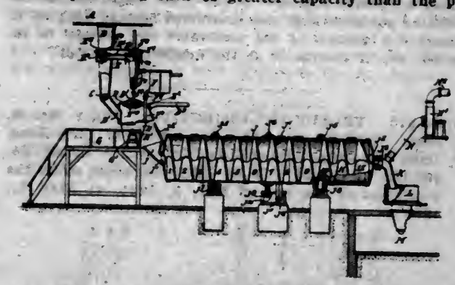
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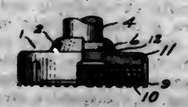
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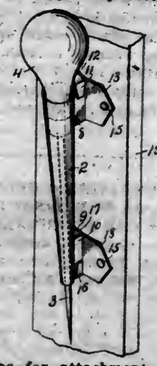
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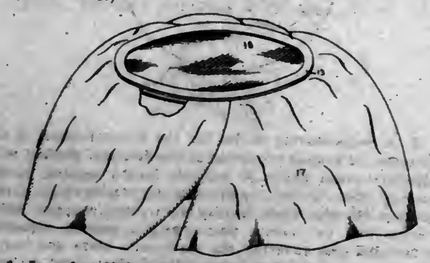
1. Apparatus for coupling a tractor having a rearwardly extending steering and coupling arm to a trailer having a forwardly extending coupling arm, comprising an articular connection capable of allowing the tractor and trailer to be swivelled relatively to one another at least laterally and a rearwardly arranged fastening device for connecting the two coupling arms together, whereby the tractor and trailer can be connected together by means of the articular connection in any angular position of the coupling arms relatively to one another and then by driving the tractor forward and pulling the trailer after it, the coupling arms can be brought into alinement thus enabling the said fastening device to be readily applied.

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1,485,511. LINING FOR HATS. ALFRED KURTZ, Brooklyn, N. Y. Filed Apr. 29, 1920, Serial No. 377,584. Renewed Aug. 5, 1922. Serial No. 579,962. 8 Claims. (Cl. 2—113.)



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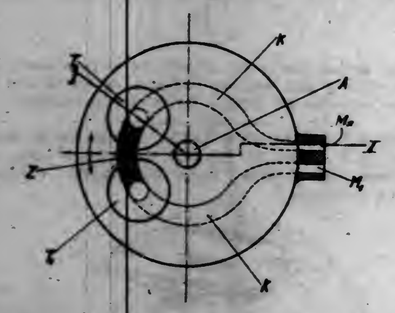
1,485,512. LINER. FRANK LE COCQ and IRWIN LE COCQ, Aberdeen, S. Dak.; said Frank Le Cocq assignor to said Irwin Le Cocq. Filed Feb. 28, 1922. Serial No. 539,939. 2 Claims. (Cl. 166—4.)



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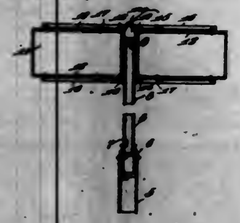
outer casings forming a conduit for use subsequent to the disintegration of the inner casing as the result of contact with the impurities in the oil, collars mounted on the inner casing and having radial spacing arms engaging the outer casing whereby to maintain the inner and outer casings in uniform spaced relation throughout, said inner casing being formed with a plurality of connecting couplings engaged by said collars and holding the collars in spaced relation.

1,485,513. COMPENSATING DEVICE FOR THE DETERMINATION OF THE DIRECTION OF SOUNDS ACCORDING TO THE BINAURAL METHOD. ERNST LÜCKE, Bremen, Germany, assignor to Atlas Werke Aktiengesellschaft, Bremen, Germany. Filed Aug. 29, 1922. Serial No. 585,042. 3 Claims. (Cl. 181—26.)



3. A compensating device for the determination of the direction of sounds according to the binaural method with separate sound paths of variable length leading to the ears of the observer, comprising in combination a stationary circular plate having a circular channel which merges into two mouth pieces with a smooth rounding, a movable disc covering the stationary plate and carrying the telephones, an intermediary piece fixed to said disc between the telephones sliding in the annular channel and dividing the latter into two parts, a scale plate secured to the movable disc, a hand in connection with the stationary plate and showing on the scale plate the position of the movable disc regarding to the stationary plate.

1,485,514. SIGN. EUGENE LEE MCGUIRE, Massillon, Ohio. Filed Feb. 26, 1923. Serial No. 621,246. 1 Claim. (Cl. 40—39.)



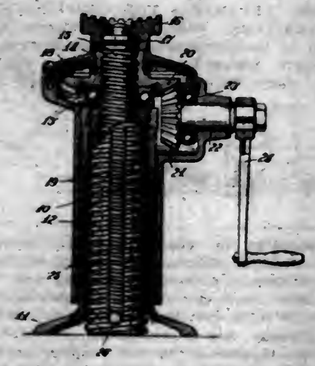
A movable sign including a supporting post, a removable reduced end section positioned in the upper end of the supporting post, a tapered bearing member mounted on the upper end of the removable section, an exhibitor including relatively flat exhibiting surfaces having flanges formed integral therewith, the flanges extending at right angles to the body portions of the exhibiting surfaces, means for connecting the upper and lower edges of adjacent exhibiting surfaces, a bearing having connection with the adjacent inner edges of the exhibiting surfaces and adapted to receive the tapered bearing member of the removable end section, a bearing secured between the adjacent inner edges of the exhibiting surfaces at points adjacent to the lower edges of the exhibiting surfaces, said last mentioned bearing adapted to embrace a portion of the removable end section to restrict lateral movement of the exhibiting member.

1,485,515. TELEPHOTO OBJECTIVE. WILLY MERTE, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 18, 1921. Serial No. 492,122. 1 Claim. (Cl. 88—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



In a spherically, chromatically and astigmatically corrected objective, a collective front member, a dispersive back member, the hinder principal point of the said objective lying in front of the foremost lens surface, the said front member consisting of two lenses separated from each other by a dispersive air-lens, the said back member consisting of two lenses cemented together, the two components of each of the said two members being of opposite sign, and the cemented surface having collective power.

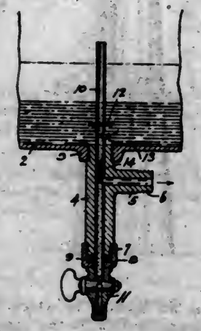
1,485,516. LIFTING JACK. JOSEPH J. MISER, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1921. Serial No. 513,341. 14 Claims. (Cl. 254—102.)



12. A lifting jack comprising a standard, a hollow screw supported by said standard and adapted upon rotation to move vertically with respect to the standard, a second screw loosely mounted within said first named screw, means for limiting the vertical movement of said second screw with respect to the first named screw and for holding said screws against rotation with respect to each other, a nut supported by said first named screw and engaging the threads of the second screw, a load supporting member carried by said second screw, a housing supported from said nut and slidable vertically with respect to said standard, means for holding said housing against rotation with respect to said standard, a gear carried by said nut, a shaft journaled in said housing at

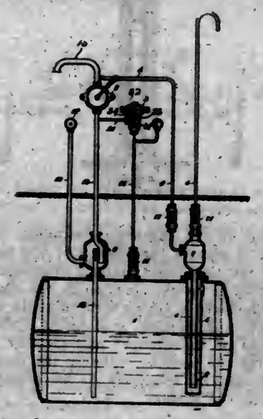
one side thereof, a gear fixedly mounted on said shaft and meshing with first named gear, and means for rotating said shaft for driving said nut adapted first to cause vertical movement of the second screw to the limit of its motion with respect to the first named screw and adapted then to cause rotation of the screws in unison for raising them both with respect to the standard.

1,485,517. VALVE. WILLIAM H. MORRIS, Bellaire, Ohio. Filed Nov. 26, 1920. Serial No. 426,527. 4 Claims. (Cl. 258—46.5.)



1. A valve for liquid receptacles comprising a tubular member having a lateral outlet, a tube mounted slidably within the said tubular member and having both ends extending beyond the said member, and means for limiting the sliding movement of the said inner tube, the said inner tube being provided with two openings, one of the said openings being in constant communication with the said lateral outlet and the other opening being beyond the said tubular member in one position of the said inner tube and being enclosed within the said member in another position of the said inner tube.

1,485,518. STORAGE OF INFLAMMABLE LIQUIDS. JOSEF MUCHKA, Vienna, Austria. Filed Jan. 6, 1921. Serial No. 435,551. 5 Claims. (Cl. 221—60.)



1. Apparatus for storing and tapping off liquids from storage vessels in which the liquid is stored under a mixture of gas saturated with liquid vapours, comprising in combination a storage vessel, an air inlet pipe leading in an auxiliary vessel communicating with the gas space of the storage vessel and containing a liquid for shutting off the air inlet pipe from the storage vessel, a suction pump for drawing off the liquid from the storage vessel and for creating a partial vacuum in the storage vessel and for drawing in air in the auxiliary vessel and means for preventing the pump from drawing liquid when the partial vacuum falls off and is broken.

1,485,519. ATTACHMENT FOR TOOTHBRUSHES. ROBERT O. NELSON, San Francisco, Calif. Filed July 30, 1923. Serial No. 654,788. 8 Claims. (Cl. 132—91.)



1. The combination with the body member of a tooth brush, of a cleat formed at one end thereof, an arm pivotally secured at one end to an intermediate portion of the body member and having a cleat at its other end adapted to be spaced laterally from the first mentioned cleat, said cleats being adapted to connect the ends of a span of dental floss, which span will assume a transverse position to the body member.

1,485,520. CHAIN-LINK CONSTRUCTION. EDGAR B. NICHOLS, Rochester, N. Y. Filed Mar. 25, 1920. Serial No. 368,676. 3 Claims. (Cl. 198—175.)



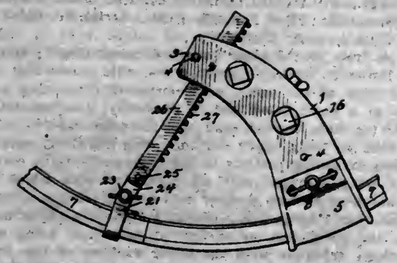
1. A link for drive chains consisting of a strip of metal bent upon itself to form pin loops, one end of the metal strip lying inside of the link thus formed, and the other end extending outwardly away from the link to form an attaching carrier.

1,485,521. METHOD OF FINISHING SICCATIVE COATINGS. GEORGE J. NIKOLAS, Chicago, Ill. Filed May 3, 1923. Serial No. 636,498. 4 Claims. (Cl. 91—68.)

2. The method of removing orange-peel effects from coatings which includes the application and draining off of a thinner.

4. The method of coating and finishing an object which consists in applying a siccative coating thereto, then after the coating has dried, rubbing it down to remove the orange-peel effect, and then applying briefly thereto a thinner to bring up a gloss finish.

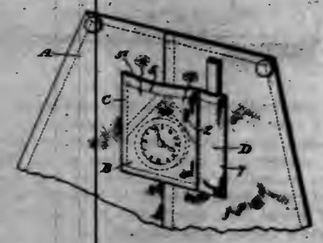
1,485,522. DEMOUNTABLE-RIM JACK. KENNEDY PARK, Mansfield, Ohio. Filed May 27, 1922. Serial No. 564,031. 12 Claims. (Cl. 157—1.)



1. A rim jack including a curved main bracket adapted to be removably secured to a rim adjacent the line of division, a bar adapted to be removably secured to the rim

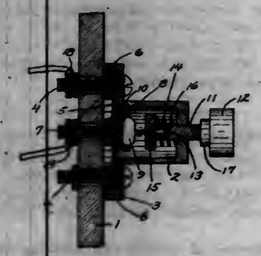
on the opposite side of the line of rim division, and a plurality of means carried by said bracket for operating the bar, said bar being adapted for cooperation with either of said means at will to thereby operate the bar in respectively different lines with regard to the rim.

1,485,523. WATCH POCKET. WALTER L. PENDERGRASS, Mobile, Ala., assignor to Kahn Manufacturing Company, Mobile, Ala. Filed Jan. 7, 1924. Serial No. 684,824. 3 Claims. (Cl. 2—254.)



1. A watch pocket comprising an outer wall having its upper edge folded over and downwardly, and tapering pieces of material fastened at their upper and broader ends to said folded edge and at their lower and narrower ends to the inner wall of the pocket.

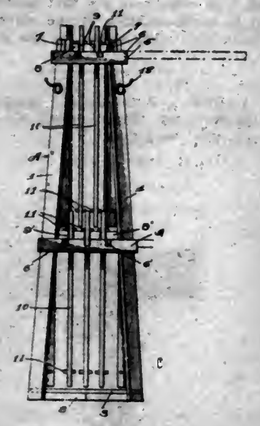
1,485,524. CRYSTAL DETECTOR FOR RADIO INSTRUMENTS. HUGO H. PICKRON, Rock Island, Ill., assignor of one-half to W. E. Copp, Rock Island, Ill. Filed Mar. 9, 1923. Serial No. 623,893. 5 Claims. (Cl. 250—31.)



2. A device of the class described, comprising a casing, adapted for attachment to an instrument box, provided in one of its ends with a mineral receptacle, and in its opposite end with a stem having a recess in its inner end; and a helical telescopic spring secured in said recess, and adapted for engagement with a mineral contained in said receptacle.

1,485,525. FOLDING CLOTHES DRIER. JOSEPH PRIER, Oblong, Ill. Filed Jan. 15, 1923. Serial No. 612,710. 2 Claims. (Cl. 68—34.)

1. A drier of the class described comprising upwardly and inwardly inclined corner posts, sills connecting the lower ends of the posts, cross members connecting said posts at a point below but in relatively close proximity to the top ends thereof, each of said cross members being provided on their upper surfaces with angularly related notches extending entirely thereacross, each of the corner posts being provided with an open slot with which an end notch of a cross member registers, a plate supported by the corner posts and positioned above the cross members, the lower face or surface of said plate being substantially coplanar with the upper surfaces of the cross members, the marginal portions of the plate being provided with recesses registering with the notches or recesses of the cross members, said members being arranged outwardly of the corner posts and the plate positioned inwardly thereof, an elongated arm associated with each registering notch and recess, each registering notch and



recess providing an opening in which the arm is freely slidable, and means carried by the opposite end portions of the arms for limiting the movement of said arms in either direction.

1,485,526. AIR-PRESSURE GAUGE. PHILIP E. PULVERMAN, New York, N. Y. Filed Dec. 26, 1922. Serial No. 608,821. 4 Claims. (Cl. 152—11.5.)

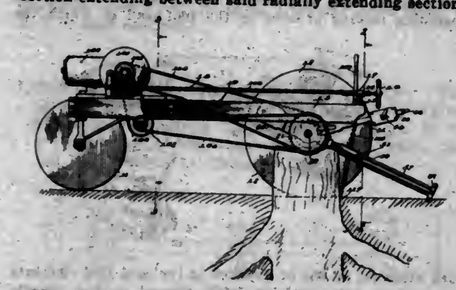


1. A device of the character described, comprising a tubular body, a plunger carried within and movable longitudinally of the body, said plunger extending beyond one end of the body, a member carried in the opposite end of the bore of the body, a spring secured at its opposite ends to the plunger and member, said spring acting to oppose the separation of the plunger and member, and an element engaging the member whereby the member may be moved longitudinally relatively to the plunger to adjust the tension of the spring.

1,485,527. MACHINE FOR CUTTING STUMPS. CLEMENS RAEBEL, San Antonio, Tex. Filed Dec. 27, 1922. Serial No. 609,261. 10 Claims. (Cl. 144—2.)

1. In combination, a horizontally disposed supporting means adapted to be positioned over a stump, a cutter carried by said supporting means including a pair of

radially extending sections, and a horizontally disposed section extending between said radially extending sections,



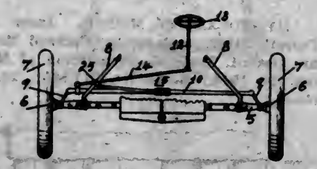
said radially extending sections carrying the horizontally disposed cutter being adapted to turn about said supporting means and serve for cutting the stump.

1,485,528. KEY TAG. ROBERT RALSTON, Montreal, Quebec, Canada. Filed Dec. 1, 1922. Serial No. 604,253. 2 Claims. (Cl. 40—2.)



1. In a key tag, a tag plate having a key slot and lock at one end thereof and a card retaining cover extending over the main portion and rigid therewith, and forming a permanent frame having a slit at one end for the insertion of the card between the back and the front.

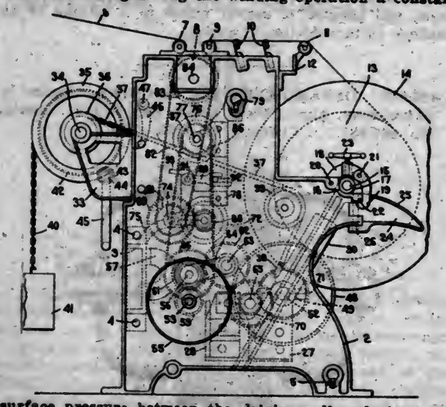
1,485,529. TENSION DEVICE FOR THE STEERING GEAR OF AUTOMOBILES. JACOB E. REMPE, Springfield, Ill. Filed Nov. 25, 1922. Serial No. 603,371. 1 Claim. (Cl. 280—89.)



In a tension device for the steering rods of automobiles, the combination of a longitudinally movable steering rod; spindles operatively conected at the respective ends of the steering rods; vehicle wheels rotative on said spindles; block members extending lengthwise of the connecting rod; grooved wheels carried by said block members and contacting with the periphery of the steering rod; springs controlling the pressure of said grooved wheels on the steering rods; means for controlling the stress of said springs and a stationary block and a connecting device connecting said stationary block with one of said block members, to prevent longitudinal movement of the block members on the connecting rod.

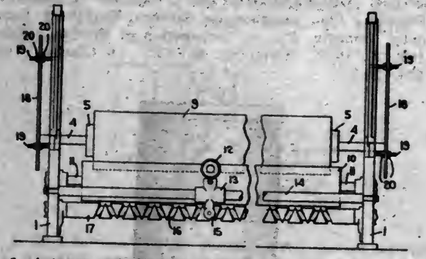
1,485,530. WARPER. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 12, 1921. Serial No. 468,897. 21 Claims. (Cl. 28—39.)

19. A warper comprising a frame, a warp beam, a beam driving roll contacting with the warp on the beam and acting therethrough to rotate the beam, and means for maintaining during the winding operation a constant



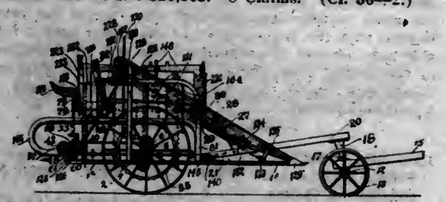
surface pressure between the driving roll and the warp mass on the beam thereby to secure a uniform density in the warp mass.

1,485,531. GUIDE MEANS FOR WARPERS AND SIMILAR MACHINES. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 21, 1923. Serial No. 640,431. 4 Claims. (Cl. 28—32.)



1. A yarn winding machine comprising a frame, a yarn receiver having a core, roll and journals, a winding drum in parallelism with the roll and acting by peripheral engagement with the yarn mass on the roll to effect the winding operation, means to permit transverse movement of the roll with respect to the drum as the winding operation proceeds, and guide plates abutting the ends of the roll journals and supported rigidly from the frame at right angles to the roll axis whereby longitudinal movement of the yarn receiver is prevented during transverse movement of the roll in the winding operation.

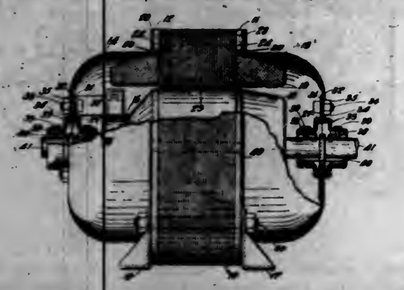
1,485,532. COMBINATION HARVESTER. ANDREAN G. RONNING and ADOLPH RONNING, Boyd, Minn. Filed Mar. 2, 1914, Serial No. 822,008. Renewed Aug. 27, 1919. Serial No. 320,305. 8 Claims. (Cl. 56—2.)



1. A harvesting machine having in combination a frame adapted to support grain binding and ensilage cutting devices, a grain platform mounted thereon, cut-

ting means on said platform, an elevating means adjacent said platform to receive the cut material therefrom, and adapted to deliver either to a binding or an ensilage cutting device.

1,485,533. DYNAMO-ELECTRIC MACHINE. AMATO N. SAMMARONE, Akron, Ohio. Filed May 9, 1921. Serial No. 467,887. 4 Claims. (Cl. 172—36.)



1. A dynamo-electric machine including, a field piece, a clamp-ring on each end of said field piece, and a sheet metal pedestal on each of said clamp-rings and centralised therein by a double-up annular flange integral with said pedestal.

1,485,534. ORCHARD HEATER. BRONSON C. SKINNER, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed July 13, 1923. Serial No. 651,232. 10 Claims. (Cl. 126—59.5.)



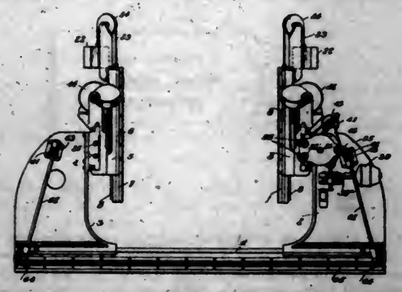
1. A knock down orchard heater, the same comprising a grate member provided with seats for the reception of supporting leg members, supporting legs carrying a head extension adapted to interlock with and support the grate member and provided with means for interlocking with the body member of the heater, and a foldable body adapted to embrace the legs and grate members of the heater when placed in closed condition and provided with means for holding the edges thereof in locked engagement.

1,485,535. COMBINATION KITCHEN TOOL. JOHN I. STEIN, Muncie, Ind. Filed June 2, 1923. Serial No. 642,965. 3 Claims. (Cl. 7—15.)

1. A kitchen tool of the combination type comprising a tool-head presenting radially disposed tool elements, a handle member having a forked end in which the said head is mounted for rotation, and means for clamping the head in fixed relation to the arms of the fork and including locking grooves in the tool-head in which the fork arms set as one or another of the said tool elements is revolved into position with respect to the handle member.

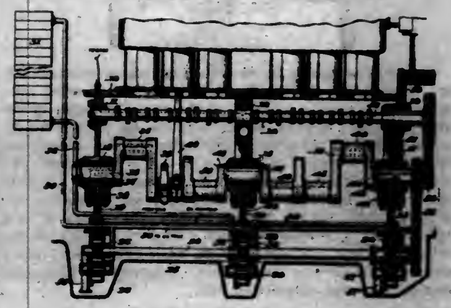


1,485,536. SLOTTING MACHINE. ALFRED TROSCH, Rochester, N. Y., assignor to Arthur H. Ingle, Rochester, N. Y. Filed Dec. 8, 1921. Serial No. 520,955. 22 Claims. (Cl. 90—46.)



1. A metal working machine comprising a vertically reciprocating tool carrying ram, a reversible electric motor, operative connections between said motor and ram, and means controlled by the ram and acting automatically to reverse the motor and thereby reciprocate the ram.

1,485,537. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 14, 1918. Serial No. 211,885. 22 Claims. (Cl. 184—6.)



10. In combination with a travelling hydrocarbon motor having a crank case, an oil reservoir, three pumps disposed in said case, two pumps having their suctions at opposite ends of the crank case and near the bottom thereof and discharging into said reservoir, the third pump having its suction connected to said reservoir, a support for each pump secured to a crank shaft bearing, each of said supports and associated bearing having a conduit opening at one end against the crank shaft, and means to convey the discharge from the third pump to each of said conduits.

1,485,538. SOUND-DETECTING APPARATUS. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal and Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 4, 1918. Serial No. 210,380. 11 Claims. (Cl. 177—386.)



5. In apparatus of the character described, the combination of a flexible band, supports engaging the band at spaced intervals so that the portion of the band therebetween may vibrate to and fro, and means for conjointly moving the supports to and from each other.

1,485,539. SOUND-RECEIVING APPARATUS. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal and Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed May 11, 1921. Serial No. 468,612. 22 Claims. (Cl. 181—0.5.)

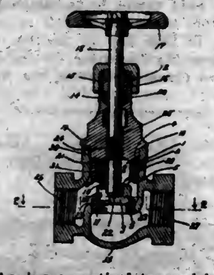


2. In a device of the class described, a diaphragm subjected to hydrostatic pressure upon one side, and means constructed and arranged to provide a balancing pressure upon the opposite side of said diaphragm, said means comprising a watch column and an associated pressure chamber of relative large surface area as respects the diameter of the column.

1,485,540. DESULPHURIZING MEDIUM AND PROCESS OF USING SAME. RICHARD WALTHER, Dusseldorf, Germany. Filed Mar. 22, 1922. Serial No. 545,875. 6 Claims. (Cl. 75—27.)

1. As a new composition of matter, the hereinbefore described desulphurising medium, which consists of a mixture of alkali and alkali earth, the alkali being present in such an amount that the mixture will melt at a temperature approximating that at which the alkali per se will melt.

1,485,541. STEAM AND WATER VALVE. ALBERT K. WAYCOTT, Larchmont, N. Y. Filed Dec. 30, 1920. Serial No. 434,086. 9 Claims. (Cl. 251—156.)



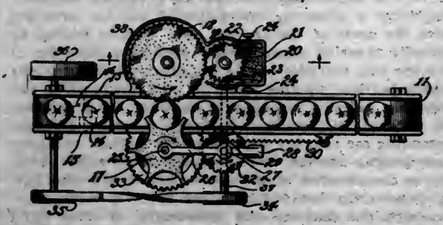
2. A valve having a vertical tapered boring or opening between opposite ports, a tapered liner adapted for insertion in the boring, having an opening therethrough lengthwise and two opposite side openings therein, internal annular gate seating means in one end of the liner, a slidable gate for play in the lengthwise opening adapted to engage said seating means for closing the liner, a spindle adapted for turnable connection with the gate member for actuating the same, a bonnet for holding the spindle member.

1,485,542. ELECTRIC CONTROLLER. ROBERT E. WEIMER and MATS A. SPEICHER, Colliers, W. Va., assignors, by mesne assignments, to Weimer-Warren Company, Colliers, W. Va., a Corporation of West Virginia. Filed May 19, 1922. Serial No. 562,198. 3 Claims. (Cl. 219—48.)



1. In a rheostat for an electric-motor system terminal, an armature terminal, a shunt-field winding terminal, a sectional resistance, a series of fixed contacts connected to the said field winding terminal and the sections of the resistance, a blow-out winding for the first resistance contact, a movable contact adapted to first engage the field-winding contact and then the resistance contacts in succession, the movable contact having a length sufficient to bridge all the fixed contacts, and means for short-circuiting the blow-out coil when the movable contact engages a certain fixed contact beyond the first resistance contact.

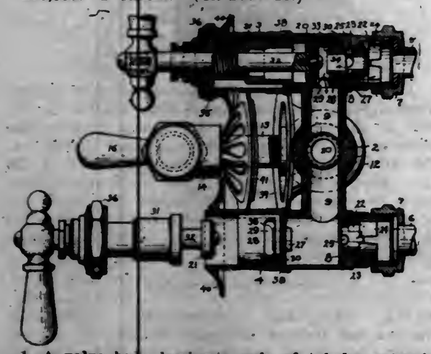
1,485,543. PRINTING MACHINE. ANSEL S. WYSONG, Long Beach, Calif. Filed Jan. 9, 1922. Serial No. 527,850. 3 Claims. (Cl. 101—37.)



1. In a printing machine frame; a belt adapted to travel and carry objects on its upper surface mounted in said frame; a printing roll revolubly mounted in said

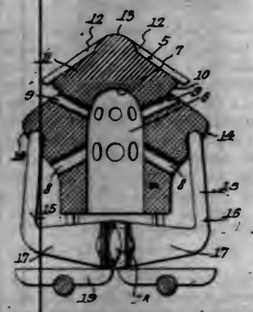
frame adjacent to the side of said belt; means to place characters in ink on said roll; and means at the side of said belt to cause the objects on the belt to engage the printing roll, said means being adapted to move toward or away from the printing roll to permit objects of different sizes to pass and to position the object so that it will engage the character on the roll, whereby the characters are transferred from the roll to the object.

1,485,544. VALVE AND FITTING. LEON B. YEISER, Cleveland, Ohio. Filed Feb. 7, 1919. Serial No. 275,523. 2 Claims. (Cl. 277—18.)



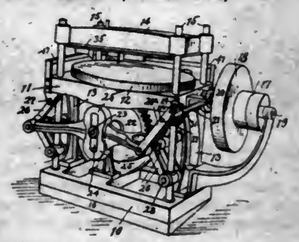
1. A valve body having a pair of tubular extensions with separate water inlets and a common water outlet, a replaceable valve seat within each extension, a check valve within each water inlet engaged and held open by said valve seat, a longitudinally-movable valve opposite each valve seat, and means for jointly supporting said valve and the replaceable valve seat within each extension.

1,485,545. ATTACHMENT FOR GRATES. NICHOLAS J. ZUZULIN, Minot, N. Dak. Filed Aug. 14, 1923. Serial No. 657,289. 2 Claims. (Cl. 126—163.)



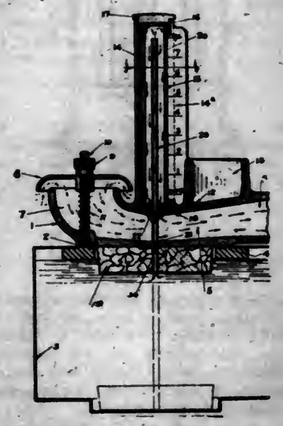
2. A coal supporting device of the character described, comprising a generally crown-shaped member arranged above the grate of the fire box, said member having an upwardly tapering upper portion forming a shoulder at its lower end, and also having an intermediate outwardly bulging portion tapering upwardly and downwardly and projecting radially beyond said shoulder for a substantial distance, said member having a centrally arranged upstanding air chamber with upwardly inclined radiating ports leading therein and discharging outwardly adjacent to the shoulder of the upper portion and also having downwardly inclined radiating ports in communication with the chamber and discharging at their outer ends adjacent to the lower reduced end of the bulging intermediate portion, said intermediate portion having notches formed in its lower downwardly inclined wall, a support embodying spaced upstanding fingers adapted for insertion within the notches and serving to prevent the clogging of the lower ports, and downwardly inclined radiating ribs arranged upon the top of the upper portion and projecting over the lower shoulder thereof to prevent the clogging of the upper ports.

1,485,546. CUTTING MACHINE. HARRY F. AFFELDER, Cleveland, Ohio. Filed Feb. 6, 1920. Serial No. 356,677. 10 Claims. (Cl. 164—23.)



1. In a cutting machine, a head adapted to be provided with a cutter, a rotatable cutting block toward and from which the head is moved, means for imparting a regular reciprocating stroke to the head, means for imparting irregular rotative movements to the block including a friction roller bearing against a portion of said block and adapted to slip with respect thereto, and means operated in timed relation with the movements of the head for imparting rotative movements to said roller, and through said roller to said block during the movement of said head.

1,485,547. CARBURETOR. EDWARD F. ANDREWS, Chicago, Ill., assignor to Universal Engineering Company, Maywood, Ill., a Corporation of Illinois. Filed Aug. 3, 1917. Serial No. 184,205. 11 Claims. (Cl. 261—70.)

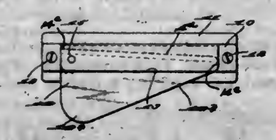


1. The combination with a carburetor and a fuel supply tank therefor, at a level below the carburetor, the fuel level in which continuously falls as the fuel is consumed by the engine, of devices through which fuel may be raised from said tank to said carburetor upon each suction stroke of the engine, said devices comprising a tube supported on the surface of the fuel in said tank, and having an opening, through which fuel is supplied thereto, below the level of the fuel in the tank so that the distance through which the fuel is raised remains constant from the full to the empty level of the fuel in said tank.

6. In a carburetor for hydro-carbon engines, the combination with a fuel tank having a float, of a fuel pipe carried by said float, and rising upwardly therefrom, a chamber surrounding the upper end of said fuel pipe, a nozzle connected with said chamber having its discharge opening in the base of said chamber, said discharge opening being subject to reduction in pressure created in the mixing chamber of the carburetor by the suction of the engine to draw fuel through said pipe into said chamber and through said nozzle.

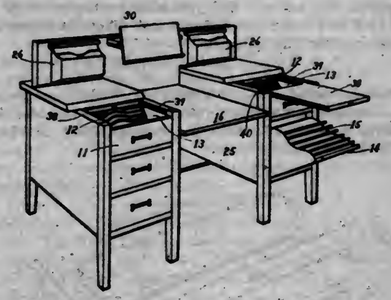
11. The combination with a carburetor having a mixing chamber of given diameter of a fuel tank for supplying fuel to said mixing chamber, said tank lying below the level of said mixing chamber, and means for lifting fuel from said fuel tank through a constant distance, and delivering it to said mixing chamber while the level of the fuel in said fuel tank varies through a distance greater than the diameter of said mixing chamber, comprising a tube having an intake opening below the level of the fuel in said tank, said tube being subject to reduction in pressure created in the mixing chamber of the carburetor by the suction of the engine.

1,485,548. ENVELOPE OPENER. WILLIAM L. BARBER, Providence, R. I. Filed Aug. 4, 1921. Serial No. 489,804. 2 Claims. (Cl. 120—35.)



1. An envelope opener comprising a holder in the form of a plate folded upon itself to constitute a thin flat sheath, and a blade pivoted adjacent one end thereof to said holder, said blade having a relatively wide inner portion to constitute a finger-piece and tapering thence to a relatively narrow outer portion engaged frictionally within said sheath when closed, a corner of said blade engaging said holder to limit the opening of the blade to a predetermined angle with respect to the holder.

1,485,549. TYPEWRITER DESK. WALTER C. BIENEMAN, Chicago, Ill. Filed Sept. 24, 1920. Serial No. 412,500. 14 Claims. (Cl. 45—52.)



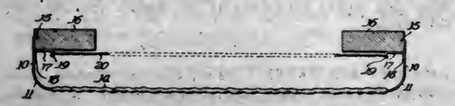
1. A typewriter desk comprising in combination, a desk top arranged at a height suitable for use as a writing top, pedestals for supporting said top and having spaces therein directly below said top for the reception of stationery and the like, a typewriter platform between said pedestals and below the level of the top and means for lowering said platform when the same is not in use, a cover for the typewriter consisting of a portion of said top, movable to uncover the typewriter, said movable portion including also portions of the desk top over the forward ends of said stationery spaces and adapted to give access thereto when said top is raised, and receptacles secured on the movable portion of said desk top and adapted to be lowered into said stationery spaces when said top is closed.

1,485,550. TOURING CAR. CHARLES W. BLAND, Cedar Rapids, Iowa, assignor of one-fourth to L. W. Davis and J. J. Dolphin, both of Ryan, Iowa. Filed Aug. 23, 1922. Serial No. 583,868. 4 Claims. (Cl. 296—23.)



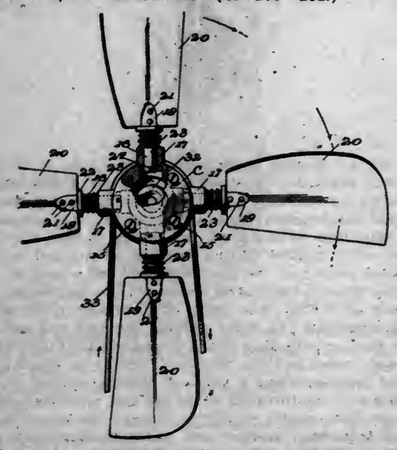
1. Combined with the house-like body of an automobile, a foldable bed-couch crosswise of the rear end, seats opposite thereto, and a foldable table adapted to be dropped to usable position between the couch and said seats.

1,485,551. CURTAIN BRACKET. JAMES A. CIVIS, Chicago, Ill. Filed Nov. 4, 1921. Serial No. 512,873. 4 Claims. (Cl. 156—22.)



2. A bracket comprising in combination a single strip of metal bent into curved form, its ends lying at a right angle, one end being provided with inturned teeth and an angle secured to said strip at a point adjacent to the toothed end thereof.

1,485,552. FAN AND PULLEY THEREFOR. ELI F. COLBY, Lake Mills, Iowa. Filed Feb. 10, 1922. Serial No. 535,512. 15 Claims. (Cl. 170—162.)



1. A hub member for a fan, comprising a cylindrical portion, a journal sleeve extending axially from one end of the cylindrical portion, a second sleeve in the form of a belt pulley surrounding the first named sleeve and extending from the same end of the cylindrical portion, and means carried by said cylindrical portion whereby a plurality of fan blades may be supported.

1,485,553. SUPPORTING FRAME FOR LIQUID-DISPENSING APPARATUS. EMORY CROUSE, Wichita, Kans. Filed Oct. 30, 1922. Serial No. 597,902. 2 Claims. (Cl. 221—100.)



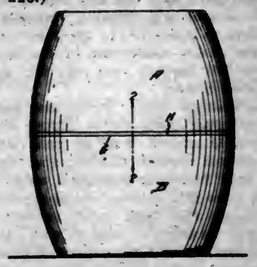
1. A liquid dispensing and measuring apparatus comprising in combination a base ring adapted to be secured to a foundation, a bowl supporting base and means for rigidly spacing said base ring and said bowl supporting base, said means consisting of the supply and the overflow pipes.

1,485,554. AIR VALVE. EMORY CROUSE, Wichita, Kans. Filed Nov. 13, 1922. Serial No. 601,694. 5 Claims. (Cl. 251—118.)



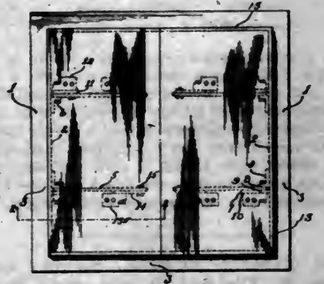
3. An air control device comprising a pair of hollow members adapted to be connected together, a diaphragm extending transversely of said members, means for clamping said diaphragm firmly in place between said members, said diaphragm having a central opening therein, a cylindrical valve member, having a flange at one end and a threaded portion at the other end, said valve member extending through the central opening in the diaphragm, an opening extending transversely through said valve member intermediate the flange and the threaded end and an axial opening extending from one end of said valve member and communicating with said transverse opening, a second member having a threaded opening adapted to cooperate with the threaded end of the first mentioned member, an axial opening extending through the second mentioned transverse member and communicating with the axial opening in the first mentioned member, a cylindrical channel in the end of the second mentioned member, a resilient washer in said channel, a tubular member slidably mounted in one of said hollow members and adapted to engage the resilient washer in the circular channel, and means comprising a spring for normally maintaining the tubular member out of contact with said resilient washer.

1,485,555. WELDED JOINT FOR BARRELS. SPENCER S. DAYKIN, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 10, 1921. Serial No. 443,834. 2 Claims. (Cl. 113—116.)



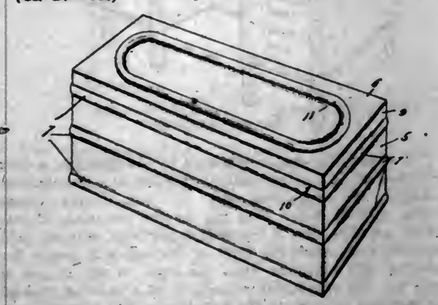
1. A barrel comprising two tub-like sections, the edge of one section being formed with an inwardly extending annular shoulder and the extreme edge projected outwardly, the inwardly and outwardly bent portions being inserted into the edge of the other tub-like section, said edge contacting with the inwardly extending annular shoulder of the first named section, said parts being welded together at their points of contact.

1,485,556. HINGE CONSTRUCTION. PAUL F. ELLMER and CHARLES STERN, Philadelphia, Pa. Filed Jan. 15, 1923. Serial No. 612,670. 6 Claims. (Cl. 16—163.)



1. In combination with a door and a support; an arm hinged to the support and pivotally connected with the door by a link and a lever, and a link pivotally connecting the lever with the support.

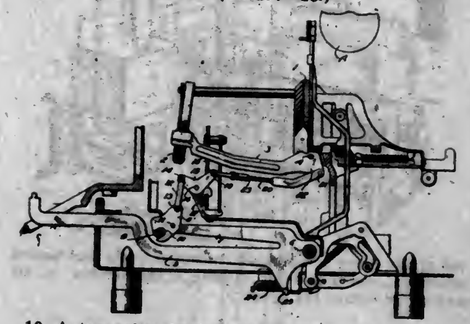
1,485,557. SELF-SEALING BURIAL VAULT. CHARLES B. HANNA, Minneapolis, Minn. Filed Jan. 14, 1921, Serial No. 437,296. Renewed July 21, 1923. 6 Claims. (Cl. 27—35.)



1. The combination with a box, of a cover having a pocket slidable into the box in close contact therewith,

said pocket being arranged to receive a plastic cement adapted to run into contact with the box and harden after the cover is applied.

1,485,558. TYPEWRITER ACTION. DE WITT C. HARRIS, Pineland, Fla. Filed Mar. 22, 1922. Serial No. 545,646. 10 Claims. (Cl. 197—28.)



10. A typewriter having, in combination, a key lever and type bar, and an actuating jointed draw connection between said key lever and said type bar, said draw connection having an intermediate joint which is adapted to move approximately in a line connecting the remote ends of said draw connection during the first portion of the depression of said key lever, and means consisting of a fulcrum and a slotted extension from said draw connection cooperating with said fulcrum for causing said joint to swing out of said line during the balance of the depression of said key lever.

1,485,559. FURNACE GRATE. HARRIS B. HOLT, Dormont, Pa., assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1923. Serial No. 627,045. 2 Claims. (Cl. 110—40.)



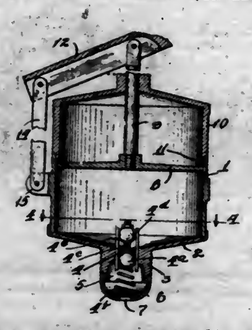
2. A replacement member for a chain grate which includes in its structure links, pivot rods, and fuel-supporting members, said replacement member adapted to form with a companion piece a replacement part for a grate link, said member being provided at one end with a recess adapted to engage a pivot rod of the grate structure, and at the opposite end presenting a square surface for abutment upon a companion piece, and being provided further intermediate its ends with a projection adapted to form with a corresponding projection upon the companion piece a lug for engagement by a fuel-supporting member of the grate.

1,485,560. INDICATING FUSE PLUG. JOHN E. JOHNSON, De Kalb, Ill., assignor of one-half to C. Edward Lindgren, De Kalb, Ill. Filed Nov. 27, 1920. Serial No. 426,794. 3 Claims. (Cl. 200—121.)



1. A fuse plug having a cavity therein, a fuse mounted within the cavity, and a metal foil stretched across the mouth of the cavity and clamped substantially at its periphery against the fuse plug.

1,485,561. FLUID-DISPENSING DEVICE. CHARLES H. JOY, Jr., and LOUIS J. SAUER, Chicago, Ill., assignors to Charles H. Joy, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,336. 3 Claims. (Cl. 221—78.)



1. A fluid dispensing device comprising a hollow cylindrical body portion adapted for receiving the fluid, a piston adapted for reciprocating in said body portion, a cover portion comprising a relatively deep cylindrical member removably attached to said body portion for forming a chamber above the piston and having an opening in its top for receiving the piston rod, means for limiting the movements of said piston to substantially the depth of said body portion, a nozzle at the lower end of said body portion, said nozzle having an upwardly extending partispherical recess for the purpose set forth.

1,485,562. REENFORCING BAR FOR CONCRETE CONSTRUCTIONS. WILFRID LUMLEY, Conneaut, Ohio. Filed Sept. 29, 1919. Serial No. 327,299. 4 Claims. (Cl. 72—111.)

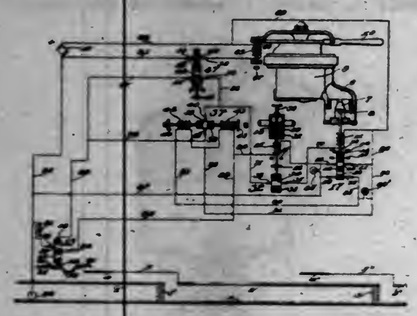


1. A reenforcing unit for concrete structures composed of two spiral flanged bars one located within the other, one spiraled in one direction, and the other spiraled in the reverse direction and on a smaller diameter than the first.

1,485,563. TRAIN-CONTROLLING SYSTEM. HAROLD A. MAXFIELD, Worcester, Mass., assignor to Ezra P. Waterhouse, Worcester, Mass. Filed Mar. 16, 1922. Serial No. 544,259. 29 Claims. (Cl. 246—70.)

10. A train controlling system comprising in combination a source of electrical energy carried by the train, an air-brake-controlling magnet normally energized by

said source, an excess-current magnet, a switch actuated by said excess-current magnet, said switch controlling



the circuit of said air-brake-controlling magnet, and a switch actuated by said air-brake-controlling magnet for controlling the circuit of the excess-current magnet.

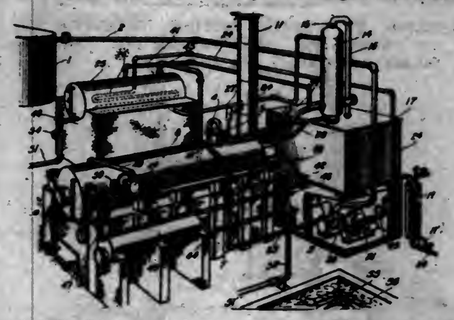
1,485,564. CAST METAL WHEEL. LEO MELANOWSKI, Cleveland, Ohio, assignor of one-third to Warren H. Cowdery and one-third to George B. Durell, both of Cleveland, Ohio. Filed Apr. 23, 1920. Serial No. 375,956. 1 Claim. (Cl. 301—64.)



A cast metal automobile wheel comprising a hub portion, a peripheral portion having tire retaining flanges, and a connecting web portion, the outer portion of said web being flat, the inner portion of said web being corrugated or fluted along radial lines, said peripheral portion being wider than the hub portion.

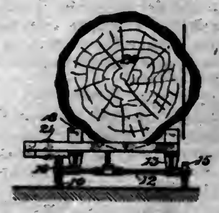
1,485,565. APPARATUS FOR CONVERTING HEAVY HYDROCARBONS INTO LIGHTER HYDROCARBONS. WILLIAM F. MEHL, Kansas City, Mo., assignor to Interstate Refineries, Inc., Kansas City, Mo., a Corporation of Missouri. Filed Mar. 17, 1921. Serial No. 453,049. 7 Claims. (Cl. 196—3.)

1. An apparatus for converting heavy hydrocarbons into lighter hydrocarbons comprising a still, means for heating the contents of the still to a vaporizing temperature, a gravity separator, means for conducting residual oil from the still to the gravity separator, a tank, a pipe through which oil may pass from the separator to the tank to carry hot oil to the tank, a preheater coil in the tank, means for feeding raw oil to said preheater coil, a tower connected to the preheater and to the still, the oil inlet to the tower from the preheater being at one end of the tower and the oil discharge from the tower to the still being at the other end thereof, a vapor outlet for the still leading into the tower above the oil discharge from the tower to the still, a vapor discharge at the other



end of the tower, a condenser connected to the last-named discharge, and means for causing a counter-flow of oil and vapor within the tower.

1,485,566. OFFSET FOR LOG CARRIAGES. EDWARD S. RIDEOUT, Klamath Falls, Oreg., assignor of one-half to Harold D. Mortensen, Klamath Falls, Oreg. Filed Aug. 15, 1922. Serial No. 581,919. 3 Claims. (Cl. 143—109.)



2. An offset mechanism for a log carriage comprising a carriage frame, transverse axles upon which said carriage frame is mounted and upon which it is slidable laterally, flange wheels on said axles to run upon a track, sleeves fixed on said axles, bell crank levers pivoted to the carriage frame and each having one arm connected with one of said sleeves, a rod connecting the other ends of said bell cranks, a steam cylinder having a piston with a piston rod, an operating lever centrally pivoted to said carriage frame, one end of said lever being connected with the said piston rod, the other end being connected to the rod connecting said bell crank arms whereby movement of the piston will shift the frame laterally on said axles, a valve controlling the inlet ports of said steam cylinder, and an operative connection between said valve and one of the wheels on said axles whereby movement of the wheel in one direction will actuate the valve to admit steam into one end of the cylinder to cause the carriage frame to be shifted in one direction and movement of the wheel in the opposite direction to actuate the valve to admit steam in the other end of the cylinder to shift the frame laterally in the opposite direction, said operative connection comprising a shoe frictionally geared against the face of said wheel and adapted to be shifted longitudinally by turning movement of the wheel, a bell crank pivoted to the carriage frame, one arm of said bell crank being connected to said shoe, the oter arm being connected by means of levers to said valves.

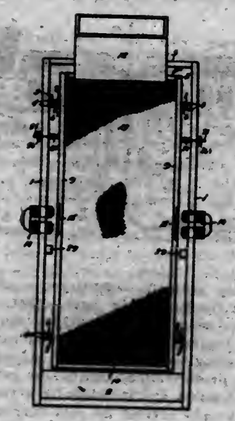
1,485,567. COAT POCKET. MYER ROBERTS, Philadelphia, Pa. Filed July 13, 1922. Serial No. 574,636. 2 Claims. (Cl. 2—15.)

1. The combination with a garment having a pocket opening of plies of cloth sewed to the garment around the opening to form two compartments, the outer ply being sewed to the edge of the opening; a welt interposed between the edge of said ply and the edge of said opening and sewed thereto; a section of cloth sewed to the ply which forms the inner side of the outer compartment to provide a pocket; a flap sewed to the upper edge of



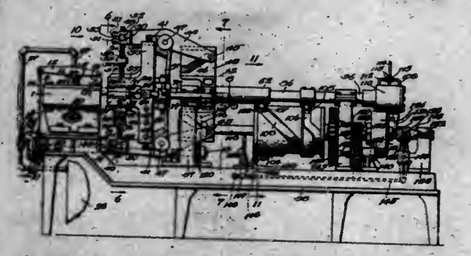
said ply and extending below the upper edge of the pocket, and a section of cloth sewed to the inner side of the inner compartment to provide a pocket having its entrance opening above the entrance opening of the first pocket and its bottom above the bottom of the first pocket.

1,485,568. SCREENING MECHANISM. CHARLES C. RUPRECHT, Olmsted, Ill. Filed May 4, 1922. Serial No. 558,421. 3 Claims. (Cl. 83—56.)



1. An apparatus of the kind described comprising a rectangular supporting frame, a rectangular screen disposed within said frame in the same plane thereof, pivoted links connecting said screen at each end to said supporting frame, electric magnets on the side rails of said supporting frame between said links, armatures carried by said screen opposite said magnets, cushioning springs disposed between said screen and said frame to each side of said magnets and means for energizing and deenergizing said magnets for oscillating said screen.

1,485,569. CASTING MACHINE. FRED F. SCHROEDER, Chicago, Ill., assignor to Henry G. Saal, Chicago, Ill. Filed May 23, 1919. Serial No. 299,341. 27 Claims. (Cl. 22—69.)



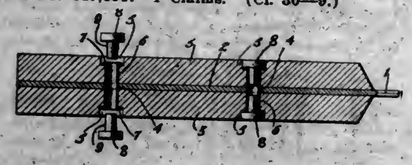
1. In a casting machine; the combination with a die carrier; of a reciprocable head upon which said die carrier is supported to move transversely of the direction of reciprocable movement of the head; a lever upon the head connected with the die carrier to effect die movement; cam mechanism for effecting operation of the lever; and mechanism for moving said head and for moving said cam mechanism.

1,485,570. NUTCRACKER. OSCAR J. SCHROETER, St. Louis, Mo., assignor to Schroeter Bros. Hdw. Co., St. Louis, Mo., a Corporation of Missouri. Filed Nov. 28, 1921. Serial No. 518,366. 1 Claim. (Cl. 146—16.)



A nut cracker, comprising a frame composed of a casting having a horizontally-disposed base provided at one end with a stationary, upwardly-projecting nut engaging member that has a vertically-disposed face against which a nut is adapted to be held, an integral, tubular guide on said base disposed in longitudinal alignment with said nut engaging member, a pair of lugs projecting rearwardly from said guide above said base, an eccentric pivotally mounted between said lugs on a horizontal pin and provided at one side with a hub that bears against the inner vertical side face of one of said lugs, an integral operating handle on said eccentric, a laterally-projecting flange on one side of said eccentric, and a horizontally disposed reciprocating member in said guide formed from a piece of round rod cut away at one end so as to produce a hooked projection and a bearing face that are engaged by the flange on the eccentric during the operation of actuating said eccentric, said guide being of sufficient length to insure said reciprocating member moving in a straight line when said eccentric is oscillated.

1,485,571. KNIFE HANDLE. FREDERICK M. STEVENS, New York, N. Y., assignor to John Chatillon & Sons, a Corporation of New York. Filed Feb. 25, 1921. Serial No. 447,891. 4 Claims. (Cl. 30—9.)



1. A tool having a handle portion provided with a hole, a handle having a countersunk hole registering therewith, a tubular headed fastening in said holes fastening said members together and within said countersink, and a headed plug frictionally engaging the bore of said fastening and fitting said countersink.

1,485,572. SUPPORTING STRUCTURE. ALOYSIUS F. STOLTE, Philadelphia, Pa. Filed June 1, 1921, Serial No. 474,163. Renewed Aug. 2, 1923. 5 Claims. (Cl. 81—41.)



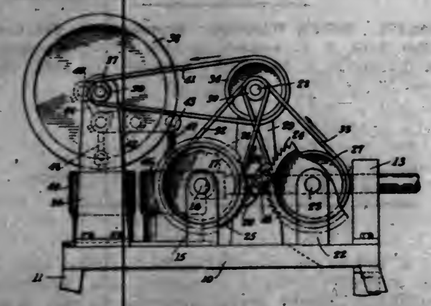
1. A supporting structure including members in telescopic slidable connection with each other, one of said members having piercing projections; means for adjustably securing said members together; and a jack including a cup in which the other of said members freely fits and is free to rotate; substantially as described.

1,485,573. TIRE. BENJAMIN C. SWINEHART, Akron, Ohio. Filed Dec. 2, 1920. Serial No. 427,771. 6 Claims. (Cl. 152—1.)



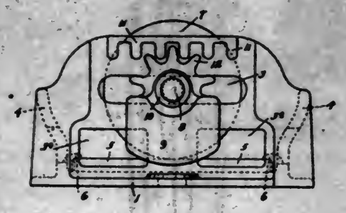
1. A cushion tire comprising an elastic body provided with a circumferentially extending series of openings which extend laterally therethrough, each opening having an outer wall which conforms to the interior surface of a cylinder and an inner wall which conforms to the exterior surface of a relatively smaller cylinder, the said surfaces being eccentrically arranged to provide an opening having oppositely disposed knifelike extremities.

1,485,574. WAVE AND TIDE MOTOR. ITALO PASQUALE VIORA, Brooklyn, N. Y., assignor to Italo Pasquale Viora, Michele Vitolo, and Carlo Fischetti, all of Brooklyn, N. Y. Filed Oct. 6, 1922. Serial No. 592,677. 2 Claims. (Cl. 253—11.)



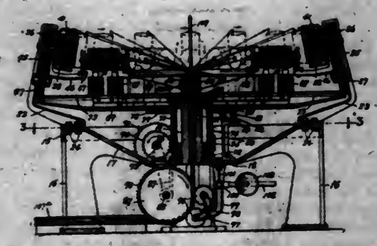
2. A wave motor comprising a float and mechanism operated thereby, said mechanism consisting of a plurality of ratchet wheels, a lever journalled to the shaft of one of said ratchet wheels, a pin in said lever, extending between said ratchet wheels and pawls upon said pin for each of said ratchet wheels, said pawls being adapted to engage said ratchet wheels alternately.

1,485,575. ROLLER SIDE BEARING. EDWIN W. WEBB, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 22, 1920. Serial No. 425,647. 3 Claims. (Cl. 64—64.)



1. A side bearing for railway cars having in combination, a frame member comprising a housing, said housing having means adjacent its top for engagement by a counterweight, a bearing roller disposed in said housing, a counterweight swingingly supported at the outer side of said housing closely adjacent the side thereof, said counterweight member having means at its upper end adapted to engage the said means on the housing, and means connecting the roller and counterweight for moving said counterweight to cause the same to swing out of position when said roller moves from normal position, whereby said counterweight will return the roller to normal position.

1,485,576. BRAIDING MACHINE. ALEX WENDELBURG, New York, N. Y. Filed Sept. 27, 1919. Serial No. 326,878. 10 Claims. (Cl. 96—7.)

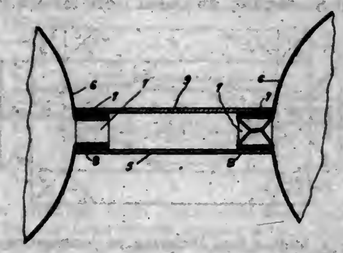


10. A braiding machine comprising a pair of tracks located concentrically within each other, a series of thread carriages mounted upon anti-friction devices resting upon said tracks, a series of thread carriers located about the braiding point, at least one of said series travelling in a predetermined continuous path and means whereby said carriers are individually actuated to forcibly pass the threads carried by said carriers under said anti-friction devices, the threads coming in contact with said anti-friction devices and sweeping over the upper surface of said track and electromagnets to retain said anti-friction devices upon said tracks.

1,485,577. TOY BALLOON. ARTHUR P. WITTER, Akron, Ohio. Filed May 16, 1922. Serial No. 561,472. 2 Claims. (Cl. 46—37.)

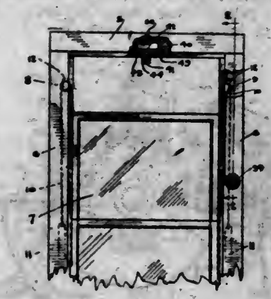
1. In a device of the class described, a pair of balloons each having an elongated tubular neck, a rigid

tubular handle therefor and a cylindrical ring secured to the neck of each balloon by being positioned thereon



with the end portion of the neck turned back on the ring, and adhesively secured to the interior surface of the handle.

1,485,578. WINDOW-CLOSING DEVICE. LEE E. WOLGEMUTH, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed May 2, 1921. Serial No. 466,052. 10 Claims. (Cl. 161—1.)



1. In a window closing device the combination with a window casing, a window movable therein, means adapted normally to move said window to closed position, comprising weights heavier than said window operating within said casing, sheaves in said casing, and flexible means connecting said weights and said window, releasable means for holding said window fixedly in open position comprising a shoe hinged adjacent a sheave and normally out of engagement therewith, and a lever passing beneath said shoe pivoted at one end to the casing and provided at its opposite free end with a spring normally urging said lever upwardly to cause frictional engagement of said shoe and sheave to prevent rotation of the latter, means for controlling the operation of said last mentioned means comprising a drum mounted in said casing, flexible means connected to the free end of said lever and adapted to be wound on said drum to release said shoe, and means adapted to rotate said drum at a predetermined interval.

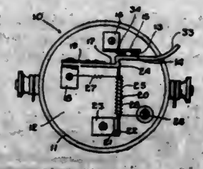
1,485,579. CAN TAP. HERBERT J. WYATT, Longbranch, Wash. Filed Feb. 2, 1922. Serial No. 533,505. 1 Claim. (Cl. 221—23.)

A device of the class described comprising a tubular member having a conical collar integrally formed on its inner end, said collar being on the inside of a can and said tubular member passing outward through a hole therein; a resilient washer encircling said tubular member outside of said can; a metal washer similarly disposed outside of said resilient washer and shaped to correspond with said conical collar; and a nut screwed on said tubular member and engaging said metal washer and adapted to draw said conical collar outward and thus to



bend the edge of the hole in the container outward, whereby the edge of the hole is smoothed and is clamped between said collar and said resilient washer.

1,485,580. THERMOSTATIC CIRCUIT BREAKER. JAMES GARFIELD ZIMMERMAN, Evanston, Ill., assignor to Jefferson Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1919. Serial No. 338,494. 2 Claims. (Cl. 200—116.)



2. In combination, a mounting base, a spring arm on said base having a relatively fixed contact, a thermostatic arm attached to the base and extending toward said spring arm, an arm having an offset portion and a contact cooperable with said first contact, said arm extending between said first contact and said thermostatic arm and being adapted to be held with the contacts in electrical engagement by end-wise engagement of said thermostatic arm therewith, said thermostatic arm being adapted to be flexed from endwise engagement with said contact carrying arm into the offset portion thereof to permit opening of the switch, said contact carrying arm projecting to provide a finger piece for closing the switch.

1,485,581. SINGLE AND DOUBLE FLAT-CURTAIN-ROD BRACKET. AARON ACKER, Ogdensburg, N. Y., assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y., a Corporation of Maine. Filed May 29, 1922. Serial No. 564,555. 4 Claims. (Cl. 156—22.)



3. The new and improved method of making curtain rod blanks, which consists in cutting a blank medially and lengthwise within its marginal edges to form a plurality of rod-supporting fingers, cutting it transversely from said medial and lengthwise cuts to form a plurality of finger bases, and bending said bases and fingers substantially along the lines of junction of said bases and blank to an angular position relative to said blank.

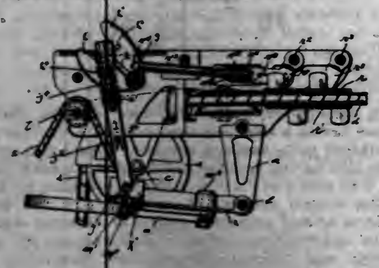
1,485,582. JOINT LOCK FOR RAILS. LEANDER AHO, Twecoma, and ARNID J. AHO, Princeton, Mich. Filed Oct. 13, 1923. Serial No. 668,315. 4 Claims. (Cl. 238—260.)

1. A rail lock for connecting the adjacent ends of rails comprising a plate of a width to fit between the head and flange of a rail and against the web thereof, said plate being provided with lugs extending through openings formed in the web of the rail, a bar formed in two sections,

each section being pivotally engaged with one of said lugs, said sections being shiftable to points in alignment with the lugs or to points parallel to said plate, said sections embodying portions which when in the last named position abut against the opposite face of the rail web from the plate to prevent movement of the plate with relation to the rail web and of the rails with relation to one another, and means carried by one of the sections for locking the sections together.

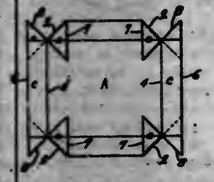


1,485,583. CARRIER. WILLIAM GEORGE BRATTY, Fergus, Ontario, Canada. Filed Jan. 4, 1922. Serial No. 527,028. 13 Claims. (Cl. 212—112.)



1. A carrier comprising rope gripping jaws, an oscillatory lock for opening and closing said jaws, and a reciprocating detent co-acting with and engaging the lock for holding the jaws in their open position and apertured for the movement of the lock therethrough during its oscillations, said aperture being so positioned in the detent as to be out of line with the lock when the detent is reciprocated to engage the lock and prevent its oscillation while the jaws are in their open position and to be in the path of the lock when the detent is reciprocated to release the lock for its oscillation between the jaw opening and closing positions.

1,485,584. PAPER FOLDING BOX. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,019. 6 Claims. (Cl. 229—32.)



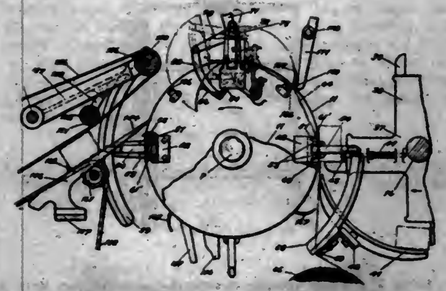
1. In a folding box, including in combination with a blank for forming a unit of the box, a diagonal slot formed in each corner of said blank, a triangular-shaped portion folded inwardly over the face of the blank, adjacent each slot on a line substantially at right-angles thereto, a marginal portion of the blank folded over each two adjacent triangular-shaped portions, whereby the box is reinforced by said triangular-shaped portions of material, one portion overlapping the other equally on both sides of each corner of the box with the apex of the triangle turned inwardly toward the closed side of the box unit.

1,485,585. PAPER FOLDING BOX. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,020. 10 Claims. (Cl. 229—32.)



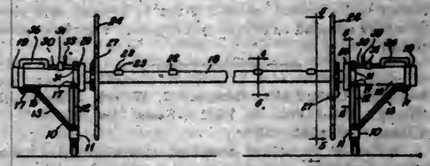
1. In a folding box, including in combination with a blank for forming a unit of said box, the corners of the blank being slotted, and portions thereof folded inwardly, opposite outwardly extended portions of said bank folded inwardly, and secured to adjacent margins thereof, and a second time folded with said margins,—the unoccupied portions of said margins being secured to the folded portions of said corners whereby to effect multiple thickness of the material of the blank over the corners and on opposite sides of said box.

1,485,586. WRAPPING MACHINE. JOSEPH BERK, San Francisco, Calif. Filed Sept. 8, 1921. Serial No. 499,307. 13 Claims. (Cl. 93—7.)



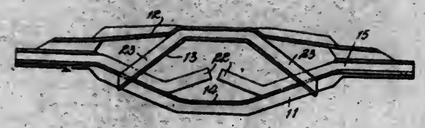
1. In a device of the character described, a device for wrapping an article comprising a platen, means for holding the article against the platen and wrapping material between the article and the platen, means for forcing one end of the material against one end of the article, means for forcing the other end of the material against the other end of the article and over the same and common control means for actuating both means.

1,485,587. DISPLAY RACK. HARRY SUMNER BEST, Galva, Ill., assignor to Charlotte S. Best, Galva, Ill., executrix of John H. Best, deceased. Filed June 16, 1923. Serial No. 645,748. 4 Claims. (Cl. 242—90.)



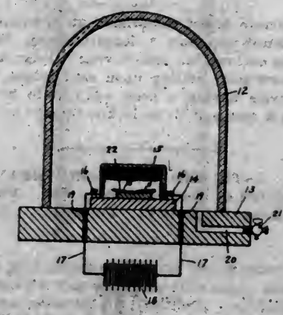
1. A device of the class described comprising a plurality of standards, a tube rotatably journaled in the standards, means for clamping one end of a carpet or the like to the tube, and hand wheels adjustably secured to the tube and adapted to guide a carpet or the like when it is wound upon the tube.

1,485,588. TRUCK SIDE FRAME. TRACY V. BUCKWALTER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 1, 1922. Serial No. 572,356. 7 Claims. (Cl. 105—205.)



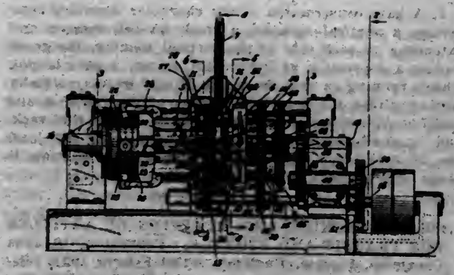
1. An expanded metal truck side frame comprising spaced top and lower chords integral with each other at their ends and strut members integral with one of said chords and secured to the other chord.

1,485,589. PROCESS OF MAKING FUSED BIFOCAL LENSES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Franklin Optical Company, Indianapolis, Ind., a Corporation. Filed Apr. 16, 1923. Serial No. 632,458. 6 Claims. (Cl. 49—82.1.)



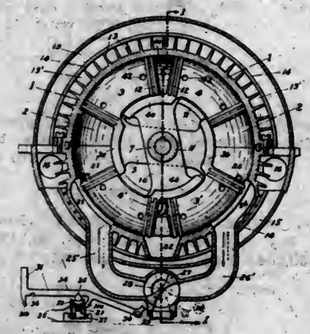
5. In the process of making Kryptok lenses, placing the pieces of glass constituting the major and minor field in a vacuum and heating the same while therein sufficiently to fuse them.

1,485,590. MACHINE FOR SHAPING SHEET MATERIALS. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Sept. 30, 1921. Serial No. 504,410. 27 Claims. (Cl. 153—72.)



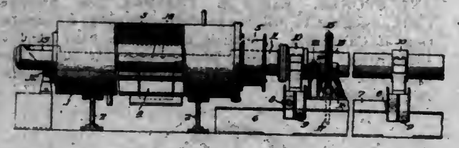
1. In a machine of the character set forth, a stationary shaft, a rotating feeding-head loosely mounted on said shaft, a body-supporting member rotating in unison with and arranged alongside of said feeding head, a slide carried by the feeding head, a cam fixed to the stationary shaft, and connections between the slide and the cam to thereby cause reciprocation of the slide by rotation of the head to move a body of sheet material transversely from the body-supporting member.

1,485,591. ROTARY ENGINE. FRANK A. BULLINGTON, Portland, Oreg., assignor to Bullington Motors, Kansas City, Mo., a Common-Law Trust consisting of Solomon Stoddard, Ernest E. Howard, and Frank A. Bullington. Filed Oct. 20, 1919. Serial No. 332,859. 6 Claims. (Cl. 123—171.)



2. In a rotary engine, a piston casing, pistons rotatable therein, the casing having ports at opposite sides for passing air transversely across the path of said pistons, and power driven suction means for creating air circulation through said casing between said pistons as they pass said ports.

1,485,592. CASTING MACHINE. JOHN A. BYERS, Chicago, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1922. Serial No. 577,845. 8 Claims. (Cl. 22—65.)



2. In a casting machine, the combination of an elongated rotary mold, a distributor adapted to extend within the mold and provided with longitudinally separated discharge outlets, means for rotating the distributor, and means for causing reciprocation of the distributor longitudinally by its rotation.

1,485,593. TOOL FOR COMPRESSING AND INSERTING VALVE SPRINGS. JOHN CARRICART, Santa Barbara, Calif. Filed Dec. 9, 1920. Serial No. 429,361. 4 Claims. (Cl. 29—86.3.)

1. In a tool of the character described, the combination of spring-compressing jaws, means to move one of the

jaws toward the other to compress a spring therebetween, and a spring-transferring member having opposed arms



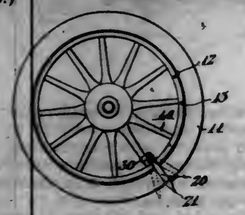
each provided with jaws to engage the opposite ends of the spring, said arms being joined together by a spring member yieldingly holding the arms toward each other.

1,485,594. COLLAPSIBLE SCENERY. JOHN L. CARROLL, Bay City, Mich. Filed Sept. 26, 1921. Serial No. 503,204. 2 Claims. (Cl. 46—70.)



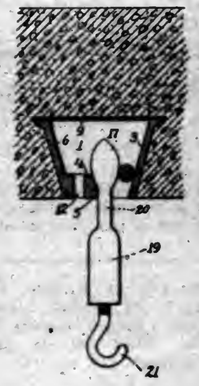
1. In combination with a collapsible frame comprising spaced apart side, top and bottom members, beveled joint tongues secured to the top and bottom members, and adapted to fit beveled ways secured on the side members, an elastic edged scenery canvas, a plurality of spaced apart clasps anchored in the frame, and means on the canvas adapted to engage the clasp for detachably securing the canvas thereto.

1,485,595. SHACKLE FOR AUTOMOBILE WHEELS AND SPOKES. EARLE E. CHAPMAN, Los Angeles, Calif., assignor to Miller-Chapman Company, a Corporation of California. Original application filed Mar. 2, 1920, Serial No. 363,087. Divided and this application filed Feb. 21, 1921. Serial No. 446,898. 5 Claims. (Cl. 70—90.)



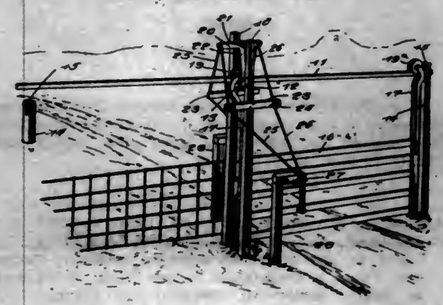
1. A shackle for an automobile wheel comprising a bumping block; arms for securing said block upon the tread of said wheel; projections on said arms meeting inside the felly of the wheel; means for locking said projections together; and a U-shaped member of proper size to encircle a spoke, said U-shaped member having holes in either limb through which said projections pass and lock.

1,485,596. CONCRETE INSERT. MAURICE E. CHASE, Cambridge, Mass. Filed Feb. 14, 1921. Serial No. 444,635. 4 Claims. (Cl. 72—105.)



4. A concrete insert comprising an elongated box having a widened top and a longitudinally disposed slot through its bottom, the slot having a ledge at each end, a roller terminally resting upon said ledges, and a suspension device having a head adapted to be introduced through said slot and to be locked therein by said roller.

1,485,597. GATE AND OPERATING MEANS THEREFOR. CLYDE C. COOK, Sheridan, Wyo. Filed Apr. 25, 1923. Serial No. 634,543. 5 Claims. (Cl. 39—67.)

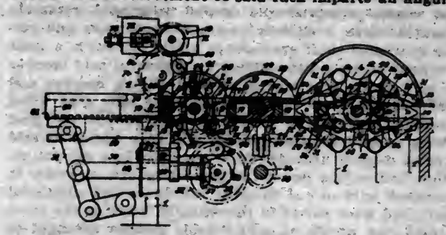


1. A gate construction of the character described comprising a vertical member, a track pivoted thereon and extending on each side of the vertical member, the track having a depression at its pivotal center, a gate having wheels running on said track, one of said wheels normally resting within the depressed portion of the track, means limiting the downward movement of the ends of the track, and manually operable means for lifting the gate and one of said whels from the depression and starting it along said track.

1,485,598. PACKING AND WRAPPING UP ARTICLES FOR TRANSIT AND STORAGE. FREDERICK CHARLES CROXFORD, London, England. Filed Feb. 8, 1921. Serial No. 443,455. 12 Claims. (Cl. 93—7.)

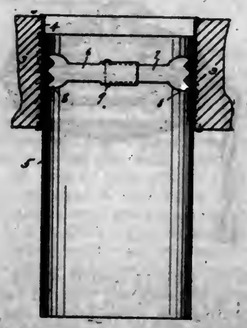
1. A wrapping machine of the kind described comprising in combination a stepwise rotatable holder having related pairs of jaws, plunger means associated with said pairs of jaws, and a rack, the movement of which rack

in one direction operates said plunger means for ejection, and the return movement of said rack imparts an angular



displacement to said rotatable holder for positioning the holder for the next ejection stroke, substantially as described.

1,485,599. STOVEPIPE CLAMP. MICHAEL J. DEARDA, St. Louis, Mo. Filed May 23, 1923. Serial No. 640,950. 2 Claims. (Cl. 126—318.)



1. A stove pipe clamp comprising two members pivoted together forming a jointed brace,—the outer ends of said members being serrated for frictional engagement with the inside of a stove pipe and the inner ends having a variable pivotal engagement with each other, thereby adapting the clamp to pipes of more than one diameter.

1,485,600. MEASURING DEVICE. LOUIS K. DE BUS, Cincinnati, Ohio. Filed June 24, 1921. Serial No. 480,067. 9 Claims. (Cl. 33—169.)



1. A measuring device comprising a rule with units of measurement indicated thereon, a carriage slidably mounted upon the top face of said rule for movement therealong so as to leave the bottom face of the rule free for application of the same to the work, said carriage having an indicating finger for co-operation with the indications upon said rule, said carriage being provided with a dial for indicating fractional parts of said unit of measurement according to the position of said finger, and means for locking said carriage at any point along said rule.

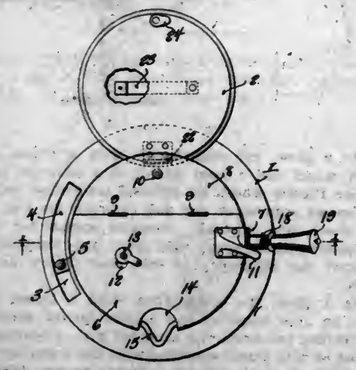
1,485,601. STORAGE HEATER. EDWARD H. J. DILLON, Philadelphia, Pa., assignor to The Griscom-Russell Company, a Corporation of Delaware. Filed June 19, 1920. Serial No. 390,237. 6 Claims. (Cl. 257—200.)

3. In a water heater, the combination of a tank, a horizontal tube bundle movable into and out of the tank, means to support the outer end of the bundle during its movement, an inclined supporting arm to support the



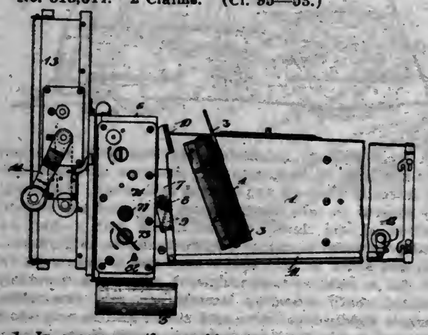
inner end of the tube bundle, and a track located within the tank, on which the inclined supporting arm moves.

1,485,602. COOKING UTENSIL. ARNOLD H. FLEISCHER, Milwaukee, Wis. Filed June 21, 1923. Serial No. 646,824. 1 Claim. (Cl. 53—1.)



A cooking utensil comprising a pot, a handle projecting therefrom, a cover having a main part and a relatively smaller part hinged to said main part to provide access through a restricted opening to said pot, a hinge joining said main part to said pot adjacent said handle and having its axis extending at right angles to the hinged joint between said main part and said smaller part, and a thumb piece carried by said main part and located adjacent to and slightly offset from the center line of said handle.

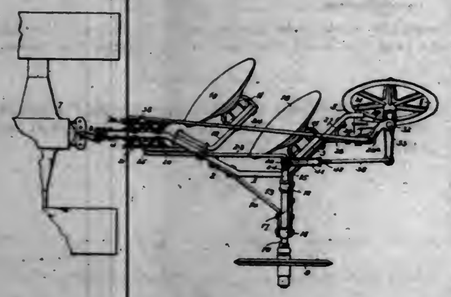
1,485,603. AVIATOR'S CAMERA. WILLIAM F. FOLMER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Original application filed Mar. 3, 1919, Serial No. 280,258. Divided and this application filed Nov. 16, 1921. Serial No. 515,644. 2 Claims. (Cl. 95—53.)



1. In a camera, the combination with a body provided with a sighting device adapted to be viewed from the rear of the camera and having rigid hand grips located on opposite sides of the body at the center of balance,

of a shutter, and a shutter operating member located adjacent to one of the handles to be operated by the hand that supports the camera through the medium of the handle.

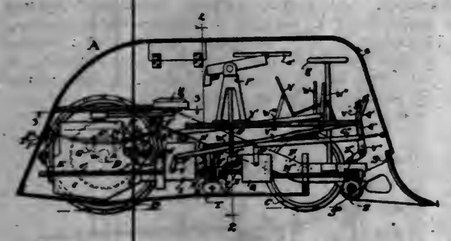
1,485,604. WHEELED PLOW. CAMERON H. GEMBERLING, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Jan. 12, 1923. Serial No. 612,272. 7 Claims. (Cl. 97—100.)



1. In a plow, the combination with a frame, a rear furrow wheel and a land wheel, of a swiveled axle for the rear furrow wheel, an inclined land-wheel axle having a crank spindle at one end entering the hub of the land wheel, and manually operable means for turning said land-wheel axle and said pivot axle simultaneously to adjust the angularity of said rear furrow and land wheels.

4. In a plow, the combination with a frame, a land wheel, an axle therefor, and a rear furrow wheel, of a lever having two arms and provided with a bearing member, one of said arms connected with the frame by a horizontal pivot, an axle for the rear furrow wheel having a part mounted in the bearing member of said lever, a hand lever, and a connection between said hand lever and the other arm of said first-mentioned lever, whereby operation of the hand lever will effect raising or lowering of the frame by tilting the same on the land wheel as a fulcrum.

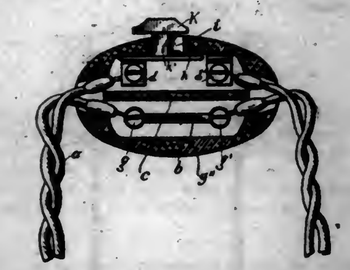
1,485,605. MILITARY AUTOMOBILE. GEORGE GLATTER, Chicago, Ill. Filed May 31, 1923. Serial No. 642,590. 5 Claims. (Cl. 89—40.)



1. In a military automobile provided with an armor over the body thereof, rotatably mounted shafts extending laterally through and beyond said armor, blades rigidly secured on said shafts, means to control the vertical position of said blades, in combination with a shaft rotatably mounted to extend longitudinally on said automobile, and gears on said shafts arranged to intermesh.

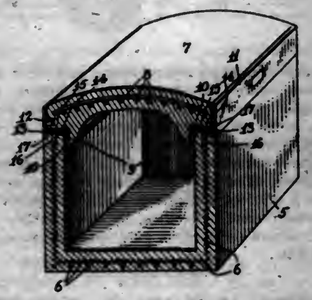
4. In a military automobile, a shovel, a rotatably mounted shaft extending laterally on said automobile, brackets rigidly secured to said shovel and to said shaft and a worm wheel rigidly mounted on said shaft, in combination with an additional rotatably mounted shaft at right angles to said first named shaft, a worm rigidly mounted on said additional shaft to engage with said worm wheel, means to rotate and control the direction of rotation of said additional shaft, said means to rotate and control comprising a second additional rotatably mounted shaft, a slidably mounted member on said second additional shaft arranged to rotate therewith, a lever arranged to control the sliding movement of said member on said shaft, gear wheels on said sliding member and gear wheels on said additional shaft, an idler gear wheel rotatably mounted to intermesh with one of the gear wheels on said additional shaft, said gear wheels on said slidable member arranged to be normally in a neutral position and on the movement thereof in one direction to intermesh with one of the gear wheels on said additional shaft, and when moved in the opposite direction the other of said gear wheels on said slidable member arranged to intermesh with said idler gear wheel.

1,485,606. SWITCH FOR ELECTRIC LINES. CARL GOLDBERG, Haida, Czechoslovakia. Filed Dec. 29, 1921. Serial No. 525,760. 1 Claim. (Cl. 200—163.)



In combination with an electric wiring, a switch comprising a casing of insulating material and having openings for admitting the wires thereto and made of two parts, one part containing a groove and the other being provided with a web engaging said groove and forming two separate compartments in said casing, electrically connected terminals in one of said compartments, separate terminals in the other compartment, metal sleeves connected with the said last named terminals, a pin slidingly mounted within one of said sleeves and adapted to engage the other sleeve so as to electrically connect the said separate terminals, and means projecting outside of said casing for operating said pin.

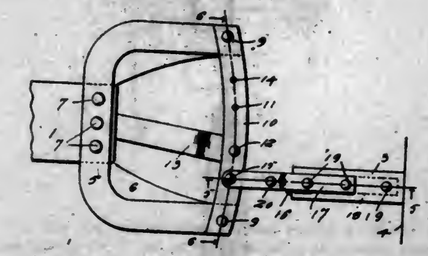
1,485,607. BURIAL VAULT. WALTER J. GORMAN, Jersey City, N. J. Filed Feb. 18, 1922. Serial No. 537,386. 8 Claims. (Cl. 72—7.)



1. In a burial vault of the class described, comprising a body portion and a cover adapted to be placed thereon said cover being provided in the bottom face thereof with a channel adapted to receive a plastic seal, and said body portion being provided with a metal strip partially

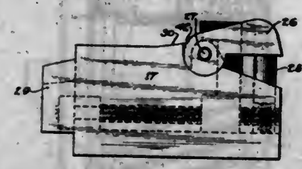
embedded therein, the upper portions of said strip being adapted to project a predetermined distance into the channel of the cover to partially divide the plastic seal therein, when the cover is placed upon said body portion.

1,485,608. BINDER HITCH. OTTO HANSON, Verdi, Minn. Filed Sept. 30, 1920. Serial No. 413,746. 1 Claim. (Cl. 280—33.44.)



In a draft device for a tractor, the combination of two substantially U-shaped frames one above the other, the bight portion of one frame engaging the upper face and the bight portion of the other frame engaging the lower face of the draft lug of a tractor, a bolt passing through said bight portions and lug, a strain bar through which said bolt passes, a cross bar, bolts passing through said cross bar and the ends of both of said frames to fasten the frames and cross bar in superposed relation and the frames at an angle to each other whereby they will abut opposite sides of said draft lug to rigidify the connection of the frame thereto, said cross bar having a series of openings intermediate said ends of the frame and in a path concentric with the first mentioned bolt for adjustable attachment of draft means thereto and independently of the strain bar, and a bolt to pass through said openings selectively to fasten said strain bar to the cross bar relatively to the position of attachment of said draft means.

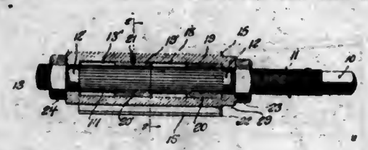
1,485,609. FORMING BLOCK. EDWARD R. HARTIN, San Diego, Calif. Filed Apr. 25, 1922. Serial No. 556,477. 10 Claims. (Cl. 76—95.)



1. A forming tool of the character described comprising a pair of substantially rectangular shaped blocks, each of said blocks being provided with adjacent forming surfaces and said surfaces being channeled from end to end, and a pivotally mounted dog forming a continuation of each forming surface, the pivotal ends of the dogs being provided with gripping faces adapted to gradually grip and form cutting edges on the bit during movement of the dies towards each other.

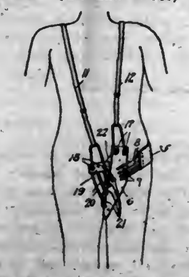
1,485,610. EXPANSION REAMER. MOSES A. HERRO, Oconomowoc, Wis. Filed Jan. 16, 1923. Serial No. 612,896. 1 Claim. (Cl. 77—75.)

An expansion reamer comprising a holder having a cylindrical opening therethrough and having four pair of slots extending from said opening outwardly, said pairs of slots being arranged successively at right angles to each other, a spindle in said opening having elongated gear teeth upon the portion enclosed by said holder, said spindle having threaded ends projecting beyond said holder, nuts upon said threaded ends adapted to lock said spindle relative to said holder, and four elongated cutting blades projecting from said holder and each having



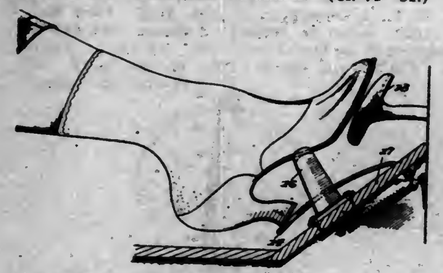
a pair of inwardly extending spaced arms positioned in said slots provided with rack teeth meshing with said gear teeth, the arms of one blade intermeshing with the arms of the succeeding blade, whereby said blades may be greatly extended and whereby said blades are supported at spaced points.

1,485,611. TRUSS. ACHILLE JOSEPH OISHEI HOSCHEK, New York, N. Y. Filed June 26, 1923. Serial No. 647,848. 2 Claims. (Cl. 128—100.)



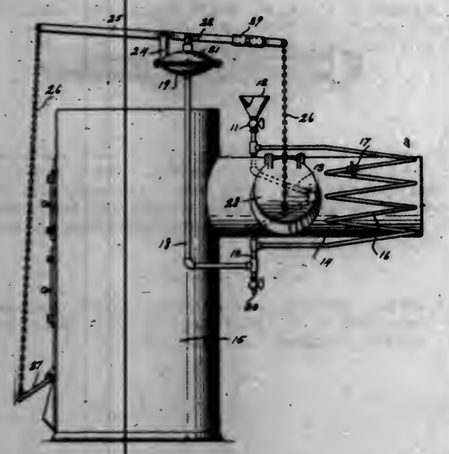
1. A device of the kind described comprising an abdominal supporting member extending at the front down between the legs of the wearer and thence upwardly at the rear towards the waist line, a waist band partially encircling one side of the waist line and connected at opposite ends to said abdominal supporting member, a pair of suspender loops and means for connecting opposite ends of said loops respectively to the front and rear portions of said abdominal supporting member.

1,485,612. FOOT CONTROL FOR AUTOMOBILES. HARRY E. HULL, Williamsburg, Iowa. Filed Oct. 21, 1922. Serial No. 596,023. 2 Claims. (Cl. 74—81.)



1. A safety foot controlling arrangement for automobiles including a foot rest, a toe engaging and depressible control ember at the front of the foot rest, a heel engaging and depressible control member at the rear of the foot rest, said foot rest being thus positioned between the control members and forming a fulcrum for a foot resting thereon whereby the later upon rocking movement in either direction will engage one and disengage the other of said control members.

1,485,613. DRAFT-CONTROLLING DEVICE FOR FURNACES. GEORGE E. HULL, Pitcairn, Pa. Filed Sept. 8, 1923. Serial No. 661,617. 3 Claims. (Cl. 236—16.)



1. In a damper regulator for furnaces, a pivoted lever arm controlling the draft and damper doors of the furnace and normally disposed in one position and means for shifting said lever arm including a circulation system having a coil positioned to be subjected to the flames passing through the flue of the furnace, a second coil in parallel to the first named coil and subjected to the action of air, a diaphragm, and a connection between said coils and said diaphragm whereby expansion of fluid contained within the coils elevates said diaphragm to shift said lever, the connection between the coils and diaphragm comprising a bowl within which the diaphragm is located and to the upper end of which the diaphragm is sealed, a connection between the coils and the lower end of the bowl, and means resting upon the diaphragm and connected with said lever for shifting the lever.

1,485,614. ADJUSTABLE ELECTRIC-LAMP SUPPORT FOR CANDLE TUBES. ANDY JANOVSKY, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 13, 1922. Serial No. 560,529. 2 Claims. (Cl. 240—52.)



1. An adjustable electric lamp support for candle tubes comprising two members, one of which is provided with inturned longitudinal flanges, the other having a channel and outturned flanges which fit inside the inturned flanges, a plurality of serrations on one member, a spring fastened in the channel having a point on it which engages said serrations.

1,485,615. OIL-WELL REAMER. ARTHUR S. JONES, Independence, Kans. Filed Dec. 8, 1920. Serial No. 429,240. 5 Claims. (Cl. 255—76.)



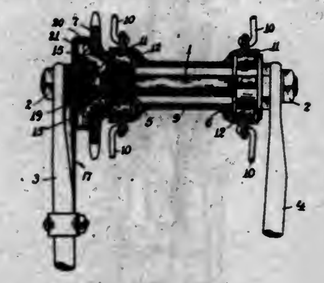
1. An oil well reamer comprising a rotatable head, a rod eccentrically carried by the head, a cutter mounted on the rod, and a friction means on the rod to oppose rotation of the cutter.

1,485,616. BOILER. LONELL S. JONES, Denver, Colo. Filed Feb. 24, 1920. Serial No. 361,033. 5 Claims. (Cl. 122—275.)



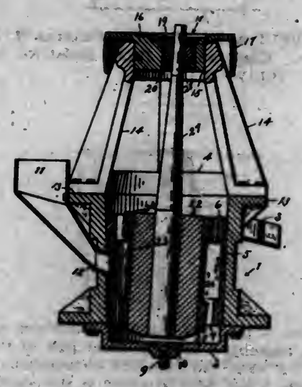
1. A boiler comprising a casing having an opening for the escape of gases, a heater at the lower end of the casing, a steam dome in the upper end of the same, upright columns connected at their upper ends with the steam dome, a connection between the lower portions of the columns and a source of water supply, and heating units positioned one above another in the space between the heater and the steam dome, and each comprising a pipe connecting the columns, and a series of curved circulation tubes connected to said pipe at opposite sides thereof.

1,485,617. COASTER BRAKE. LAZARUS S. KALLAJIAN, Boston, Mass. Filed May 22, 1920. Serial No. 383,351. 6 Claims. (Cl. 192—6.)



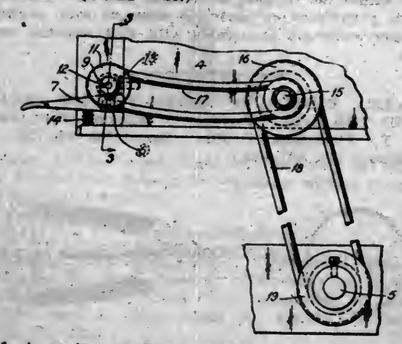
1. The combination with a wheel having a tubular hub provided with a cup at one end, of a stationary spindle in said hub, a power-receiving member turning on said spindle and having a tapered projection reaching into said cup, one of the two last-named parts having longitudinally disposed cam grooves, rotative members in said grooves, a cup engaging the outer face of said power-receiving member, one of the two last-named parts having a longitudinally grooved cone and the other a cavity co-operating therewith, and rotative members in the grooves of said cone, whereby a rotation of said power-receiving member in one direction will forcibly rotate said hub and wheel, but a partial turn oppositely will frictionally resist such rotation.

1,485,618. GYRATORY ORE GRINDER. LEWIS MARTIN KELLOGG, South Pasadena, Calif. Filed Jan. 19, 1920. Serial No. 352,260. 9 Claims. (Cl. 83—10.)



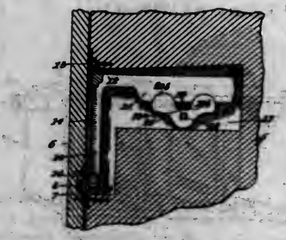
1. In combination in a gyratory ore grinder, a mortar having a removable wearing liner comprising an upper and a lower grinding ring properly spaced to form a wide intermediate grinding zone, a gyrator disposed freely and floating in the mortar and having a removable wearing shell comprising an upper and a lower grinding ring adapted to oppose the upper and lower grinding rings of the mortar liner, the rings being properly spaced to form a wide intermediate grinding zone, means for feeding ore pulp to the mortar, means for admitting to the mortar a fluid vehicle for the pulverized ore, and means for gyrating the gyrator.

1,485,619. BOBBIN WINDER. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 2, 1922. Serial No. 591,803. 7 Claims. (Cl. 242—20.)



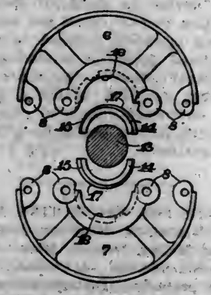
1. A sewing machine comprising a continuously rotating shaft, a bobbin winding shaft disposed parallel with said continuously rotating shaft, a normally slack belt connecting said shafts, and means for taking up the slack in said belt and thereby cause said bobbin winding shaft to rotate.

1,485,620. DOORLOCK. SHURE LARSON, Norway, Iowa. Filed Mar. 23, 1922. Serial No. 545,986. 4 Claims. (Cl. 292—236.)



1. In a door-lock, a latch having a heavy, laterally extending arm, a depending arm near the edge of the door, a catch therefor, a face-plate mortised for said catch, and an upwardly extending flange near the angle of the body of the latch, pierced for a screw, whereby the upper face-plate screw serves as a pivot for the latch.

1,485,621. PULLEY. WILLIAM LOEFFLER, Sheboygan, Wis. Filed July 23, 1921. Serial No. 487,078. 2 Claims. (Cl. 287—52.)



1. The combination, with a shaft, of a pulley including separable sections, means for clamping said sections together, the hub of said pulley being recessed and pro-

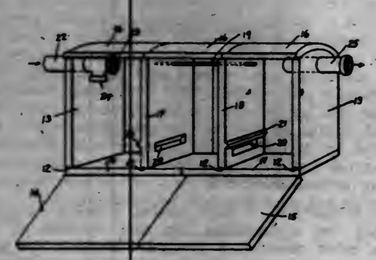
vided with concentric end bores of larger diameter than said shaft, a plurality of clamping members forming a bushing surrounding said shaft and having end portions fitting the end bores of said hub and eccentric outer surfaces within the recessed portions of said hub, and concentric projections on said hub adjacent said recessed portions wedgingly engageable with said eccentric surfaces.

1,485,622. MEASURING SERVER FOR ICE CREAM AND THE LIKE. CHARLES J. MANUEL, Tarrytown, N. Y. Filed Sept. 7, 1922. Serial No. 586,758. 7 Claims. (Cl. 107—48.)



1. A server for ice cream and the like, comprising a cup, a curved knife and means for sweeping said knife across the mouth of said cup, said means being constructed first to move the knife substantially in the direction of its length and then laterally.

1,485,623. SEPTIC TANK. CHARLES MATTHEW MAYO, Indianapolis, Ind. Filed July 22, 1922. Serial No. 576,831. 1 Claim. (Cl. 210—6.)

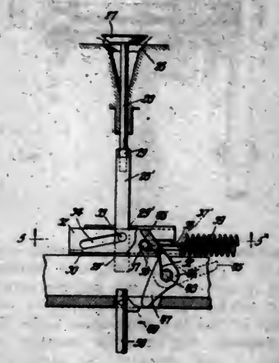


A septic tank including a pair of end compartments and an intermediate compartment with an intake in the receiving end compartment and an outlet in the discharging end compartment, a partition wall to form the receiving end compartment, a second partition wall to form the discharging end compartment, said first mentioned partition having an elongated opening extending for a major portion thereof across the compartment and provided with an upwardly inclined lower edge and a downwardly inclined projection extending into the receiving compartment adjacent the upper edge of said opening, the other partition having a similar opening therein with a downwardly inclined edge and a downwardly inclined projection similarly positioned in the discharging compartment.

1,485,624. MEANS FOR PROTECTING THE SURFACE OF CORES. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Mar. 31, 1922. Serial No. 548,475. 4 Claims. (Cl. 22—189.)

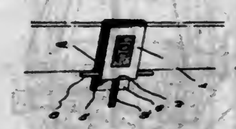
1. Means for protecting the surface of a dry sand core, consisting of the application of a substance, having the refractory qualities of magnesium oxide, mixed with a binder to the surface of the dry sand core.

1,485,625. ENGINE VALVE. GEORGE W. PETERSON, Chicago, Ill., assignor of one-fourth to Claude Dyckman, one-fourth to Rudolph W. Schroeder, and one-fourth to Patrick J. O'Keeffe, all of Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,331. 17 Claims. (Cl. 123—90.)



1. In an engine having a cylinder, a piston therein, a valve head and a stem therefor; a guide-way on the engine disposed transversely of the movement of the valve stem, a traverse block slidable in said guide-way and having diagonal bearing faces, projections connected to said valve stem to ride on said faces, and means actuated by the piston and timed therewith to give movement to said traverse block in one direction in said guide-way to unseat the valve, and spring means to move the traverse block in the other direction and lock the valve in its seat.

1,485,626. BELT ATTACHMENT. CHARLES H. PRINTS, Luray, Va. Filed Jan. 27, 1923. Serial No. 615,387. 2 Claims. (Cl. 24—3.)

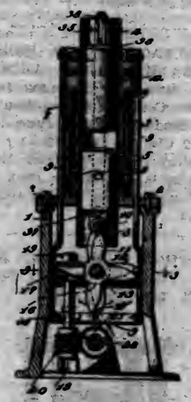


1. A device of the class described comprising a looped member for engaging a belt, the front part of the member having its lower end bent into rectangular shape to form a passage, a slot being arranged at the center of the passage, one part of the bent end engaging the rear part of the loop member for closing the lower end of the opening formed by the loop member and a recess formed in the rear member for receiving said part.

1,485,627. INTERNAL-COMBUSTION ENGINE. CHARLES REINEKE, New York, N. Y. Filed Oct. 1, 1920. Serial No. 414,048. 8 Claims. (Cl. 74—14.)

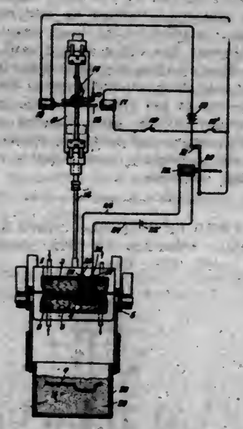
1. In an internal combustion engine the combination with a cylinder of opposed pistons arranged therein, a power shaft, and means interposed between said pistons and power shaft whereby a multiplicity of power strokes

of the pistons is required for effecting a single revolution of the power shaft, said means including oppositely



moving cams cooperatively associated with said pistons and a gearing connecting the cams to the power shaft for driving said power shaft.

1,485,628. METHOD OF CASTING. HARRY A. SCHWARTS, Defiance, Ohio. Filed Feb. 16, 1922. Serial No. 537,024. 12 Claims. (Cl. 22—94.)



1. The method of casting which involves introducing molten metal into a mold, registering the cooling tendency of the metal as it passes from the molten towards the solid state while in the mold, and timing the instant of disassociation of the casting and the mold in predetermined relation to said registration.

1,485,629. AUXILIARY SUPPORT. ADOLPH M. SEBOER, Toledo, Ohio. Filed May 31, 1921. Serial No. 473,884. 9 Claims. (Cl. 189—33.)

1. A crossarm mounting device comprising a structural member to be supported, an engaging member provided with seats having interfitting coaction with the structural member to maintain the structural member against torsion strains, there being means fixing the engaging position of the engaging member as to the structural



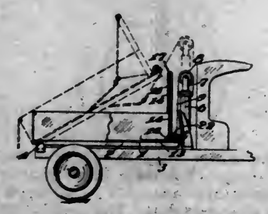
member, and anchoring means for sustaining the engaging member and through the engaging member carrying the structural member.

1,485,630. KEYLESS LOCK. RICHARD M. SEWARD, Minneapolis, Minn., assignor to Anchor Core Economy Soap Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1921. Serial No. 497,639. 4 Claims. (Cl. 24—241.)



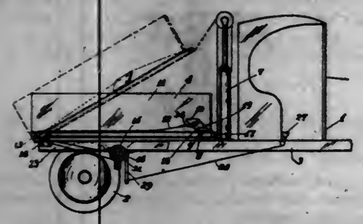
1. A non-unlockable fastener comprising a body forming a casing, a rotating tumbler cooperating therewith and means inaccessibly mounted in the casing restricting the rotation of the tumbler in one direction, said casing and tumbler being formed with cooperating recesses adapted to receive a soap anchor or the like for the purpose as specified.

1,485,631. DUMPING DEVICE. WILLIAM C. SHEA, Petaluma, Calif. Filed Mar. 29, 1922. Serial No. 547,721. 5 Claims. (Cl. 214—82.)



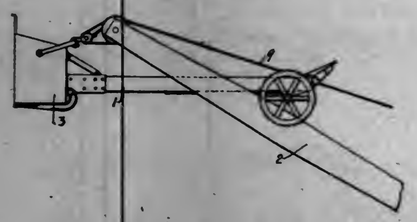
1. Cleaning means for a box adapted to be emptied by the lifting of one end, comprising a horizontal plate coextensive in width with the bottom of the box, a vertical member hingedly connected thereto with the hinge lying against the lower edge of the box and a pivotal support for the vertical member allowing the latter and the plate to plunge forward when the end of the box is lifted.

1,485,632. CLEANING DEVICE FOR DUMP BODIES. WILLIAM C. SHEA, Petaluma, Calif. Filed May 4, 1922. Serial No. 558,494. 6 Claims. (Cl. 214—82.)



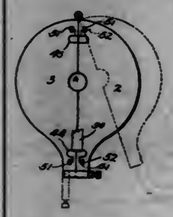
1. A cleaning device for a box form dump body on a vehicle comprising a scraper extending the width of the body and normally resting on the floor of the body at its forward end, said scraper having flanges rising from its ends in a vertical plane and slanting rearwardly, and means engaging the flanges for tilting the scraper rearwardly and pulling the same over the floor of the body whereby the latter is scraped.

1,485,633. STIFFENER FOR DIPPER STICKS. WILLIAM C. SHEA, San Anselmo, Calif. Filed Dec. 6, 1922. Serial No. 605,216. 8 Claims. (Cl. 214—145.)



1. In a device of the character described, a dipper stick consisting of two parallel bars disposed in spaced relation and means for stiffening the same, comprising a metal shoe for the rear end of each bar and a rearwardly extending element connecting the two shoes, said element being formed to clear the continuation of the space enclosed by the bars.

1,485,634. CASE FOR TAPE MEASURES. NATHAN H. SHILLMAN, Baltimore, Md. Filed June 18, 1923. Serial No. 646,172. 7 Claims. (Cl. 242—84.8.)

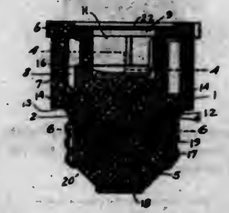


1. A casing comprising two three-walled neck-shaped similar halves, closing diametrically to form the whole, having a hinge at top, a yoke and set screw locking device at the bottom, central openings forming two bearings of unequal diameters into which fits a crank element carrying a winding drum, tongue and tape, a stuffing box element housed in the necked end of each half of said casing, and an ear secured at top and bottom of each half along the long axis on one side of casing adapted to carry a hand strap adjustably secured to buckles carried in said ears.

1,485,635. MANUFACTURE OF FERROUS ALLOYS AND OF WEATHERPROOF ARTICLES THEREFROM. JOHN MURDOCH SHELLEY, London, England, assignor to The Continuous Reaction Company, Limited, London, England. Filed June 11, 1923. Serial No. 644,751. 2 Claims. (Cl. 75—1.)

1. A ferrous alloy containing from 12 to 24 per cent of chromium, from 0.4 to 3 per cent of molybdenum, from 0.05 to 0.85 per cent of carbon and from 0.1 to 1.8 per cent of silicon.

1,485,636. MULTIPLE-FUSE PLUG. JOHN F. SKINNER, Detroit, Mich. Filed Jan. 5, 1921. Serial No. 435,214. 4 Claims. (Cl. 200—125.)



1. A multiple fuse plug comprising two relatively rotative insulating members, one having an opening extending from end to end, and the other being disposed within said opening, a series of fuses and corresponding contact elements carried by the outer member, a common terminal for said fuses carried by said member, a companion terminal carried by the inner insulating member, at one end thereof, the other end of said inner member having a chamber opening therein and having an aperture in the wall of said chamber, and a spring contact arm electrically connected to the terminal of the inner insulating member arranged within said chamber and projecting through said aperture sufficiently to consecutively engage said fuse contact elements upon relative rotation of the two insulating members.

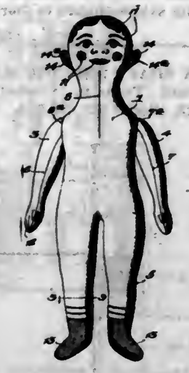
1,485,637. VEHICLE WHEEL. STEVE K. SKRIHONIUK, Detroit, Mich. Filed Apr. 17, 1922. Serial No. 553,537. 5 Claims. (Cl. 152—45.)



1. A vehicle wheel, comprising a rim construction, a spoke construction, a casing centrally mounted upon said spoke construction to provide an axial opening there-

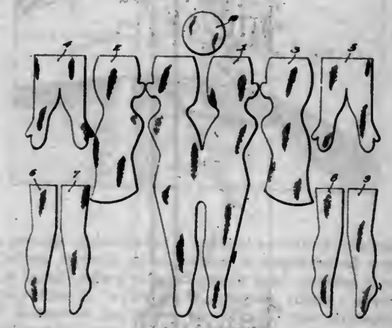
through, said casing having projections thereon laterally of the axial opening, a hub member including a disc and a hub extension extending axially from one side of said disc, a spider member fixedly secured upon the same side of said disc upon which said hub extension is connected, a resilient supporting ring mounted upon said hub extension and adapted for disposition in the opening of said casing, and a second disc adapted for adjustable mounting upon said hub extension so that said discs are on opposite sides of said casing, said spider having arms thereon adapted for operating intermediate the casing projections.

1,485,638. DOLL. ELLA L. SMITH, Roanoke, Ala. Filed June 28, 1922. Serial No. 571,407. 1 Claim. (Cl. 46—40.)



A covering for a doll body comprising a front piece, a back piece, said back piece having an opening therein, means attached to said back piece for closing said opening, arm coverings each consisting of a single piece of material attached to said front and back pieces, and ear coverings formed by attaching the front and back pieces together by stitches placed adjacent the edges of said ear coverings whereby the ear coverings are adapted to fit over ears on the doll body and whereby the ear coverings are rendered distinctive and said cover being formed to conform to the neck portion of a doll body by inserting a dart in said front piece.

1,485,639. DOLL. ELLA L. SMITH, Roanoke, Ala. Filed July 1, 1922. Serial No. 572,228. 1 Claim. (Cl. 46—40.)



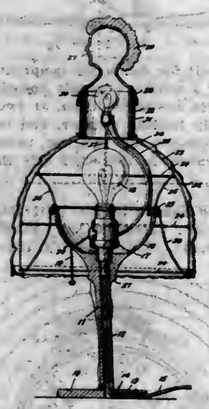
A doll body constructed of pieces and comprising a head, trunk, arms, and legs, the front of the head, trunk, and legs consisting of a single piece, the back of the head and trunk consisting of duplicate pieces and the back of each leg consisting of duplicate pieces, said front and back pieces having parts integral to form ears by stitching said parts at the edges thereof and also at the base thereof, and arm pieces each comprising a single piece.

1,485,640. MOLD FOR AND METHOD OF DOLL CONSTRUCTION. ELLA L. SMITH, Roanoke, Ala. Filed Aug. 2, 1922. Serial No. 579,103. 6 Claims. (Cl. 18—42.)



1. A mold for the manufacture of dolls comprising four parts, one of said parts adapted to mold the front of the head, one the back of the head, and two the side of the head and ears.

1,485,641. LAMP. DOROTHY R. SPARKS, Fairfield, Conn. Filed Feb. 26, 1923. Serial No. 621,204. 3 Claims. (Cl. 240—10.)



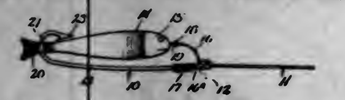
1. A lamp, comprising a base, a light supporting pillar, a shield portion at the upper end of said pillar, a lighting element supported at the upper end of said pillar above said shield portion, said lighting element being concealed from below by said shield portion, the rays of light from said lighting element being unobstructed laterally by said shield portion, a light pervious shade supported upon said pillar surrounding said lighting element laterally and terminating in spaced relation to the base to expose said pillar, said shade being annularly spaced from said shield portion, and light pervious material extending between said shade and said shield portion.

1,485,642. EXPANDING ROTARY REAMER. FREDERICK STONE, Spokane, Wash., assignor to Diamond Drill Contracting Company, Spokane, Wash. Filed Apr. 11, 1922. Serial No. 551,549. 20 Claims. (Cl. 255—75.)



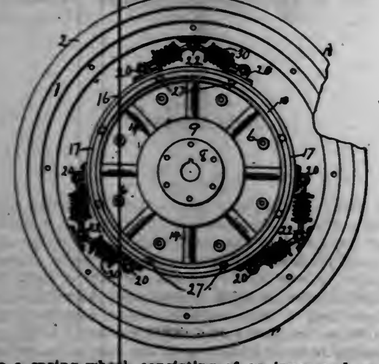
1. The combination with a relatively stationary hollow cutter holder and hollow drill rod, of a movable tool including radially expansible reaming cutters, and means for admitting hydraulic pressure to the tool for expanding said reaming cutters.

1,485,643. ARTIFICIAL BAIT AND FISHHOOK THEREFOR. PAUL B. STRNICH, Joliet, Ill. Filed Mar. 20, 1922. Serial No. 545,105. 7 Claims. (Cl. 43—46.)



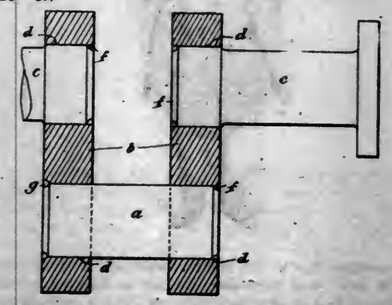
1. Artificial bait for fish-hooks comprising, a bait holding member and a flexible normally bowed bait body portion secured in its bowed condition, at two spaced places, on said bait body holding member, and capable of being flexed to pass from one side of a line, passing through its points of securement to the other side thereof.

1,485,644. SHOCK-ABSORBING WHEEL. GEORGE ELLARD TAYLOR, Jr., Columbia, Mo. Filed Dec. 21, 1922. Serial No. 608,241. 1 Claim. (Cl. 152—37.)



In a spring wheel, consisting of an inner and an outer rim, spring elements connecting said rims consisting of a plurality of push rods, means for connecting said push-rods to outer rim and to the inner rim, said means comprising heads on said push-rods which are secured to lugs, fastened tothe inner and outer rims, by a bolt through each head so as to form a hinged connection, pins inserted in said push-rods between which are arranged plates retaining a coil spring which limits the movement of the plates, each of said plates having three holes therein for said push-rods, the coil-springs being compression springs which are disposed between said plates and surround said push-rods certain of the push-rods being secured at their outer ends to the lugs on the outer rim and the others to the lugs on the inner rim, the spring system completely enclosed within two side plates which are securely fastened to both sides of the outer rim, said side-plates holding inner and outer rims in alignment, the inner side plate having a stuffing box so as to form an oil-tight joint, making an oil tight enclosure between the two side-plates, and oil within said enclosure to lubricate the mechanism.

1,485,645. CRANK SHAFT AND THE MANUFACTURE THEREOF. JOHN TINDALE, Sunderland, England. Filed Mar. 5, 1923. Serial No. 623,033. 5 Claims. (Cl. 29—6.)



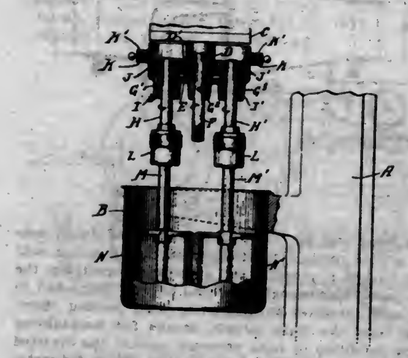
1. The method of rigidly connecting the component parts of a built-up crank shaft embodying perforated webs and longitudinal parts, which consists in securing the longitudinal parts of the shaft in the perforations of the webs solely along the free end edges of said parts; substantially as described.

1,485,646. DISPLAY DEVICE. HENRY TRAUMÜLLER and ARTHUR J. TRAUMÜLLER, Brooklyn, N. Y. Filed Mar. 1, 1922. Serial No. 540,181. 8 Claims. (Cl. 211—28.)



5. A tray of the class described, provided at one end with elongated and spaced apertures and at the other end and in line with said aperture with projecting pin members, a plurality of rods mounted upon the inner face of said tray in juxtaposition to and in alinement with said apertures, said rods being provided with parts extending outwardly through said apertures, and springs mounted on said rods for normally holding the same in a predetermined position.

1,485,647. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; said Ashley assignor of his right to Josephine Trust; Josephine Trust administratrix of said Henry Trust, deceased. Filed Nov. 29, 1919. Serial No. 341,418. 2 Claims. (Cl. 74—7.)



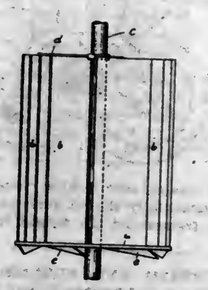
1. A machine comprising a stationary hub, a gear fixed thereon, a shaft extending through said hub, a casing carried by said shaft, a spindle carried by said casing, a gear wheel connected to said spindle and meshing with said fixed gear and means for holding said gear wheel out of mesh with said fixed gear.

1,485,648. WORK OF ART AND PROCESS OF PRODUCING SAME. JOSEPH T. VAN DER GRACHT, Campbell, Calif. Filed Feb. 28, 1922. Serial No. 539,812. 1 Claim. (Cl. 41—34.)



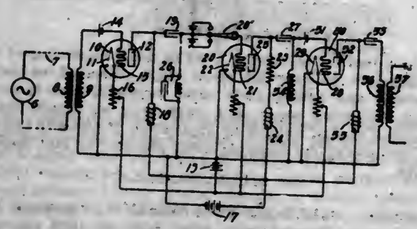
A process of producing a work of art which comprises: stretching a rough fabric which is impregnated with a water soluble adhesive upon a rigid base; soaking a paper reproduction in water until same is pliable; applying said moistened paper reproduction to the impregnated fabric and allowing the exposed surface to partially dry; forcing the body of the paper into the meshes of the canvas by the use of moderate pressure; allowing the fabric and paper to thoroughly dry; and thereafter applying a varnish to the exposed surface of said paper.

1,485,649. MEANS FOR USE IN PROPELLING AEROPLANES, HYDROPLANES, AND OTHER CONVEYANCES. PIETER BARTELD VAN LEGGELO, Wiesbaden, Germany. Filed Feb. 15, 1923. Serial No. 619,262. 1 Claim. (Cl. 170—135.)



In apparatus for propelling aeroplanes, hydroplanes and other conveyances, wherein a fan or other rotary exhauster is employed for creating a partial vacuum in advance of a disc or similar member against which the superior pressure of the atmosphere acts for the purpose of moving the said disc and the conveyance wherein it is carried, the combination, with a revolving disc or similar member, of a number of inclined vanes mounted endwise thereon and arranged in groups, the vanes pertaining to each group being so disposed that their leading edges are at gradually increasing distances from the centre of rotation; the admission of air to the vanes being prevented at one of their extremities by the disc, whilst their opposite extremities, as also their trailing edges, are open to the atmosphere.

1,485,650. GENERATING HARMONIC CURRENTS. HARALD J. VENNES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1919. Serial No. 293,055. 5 Claims. (Cl. 172—281.)

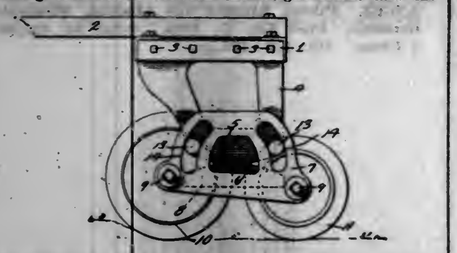


1. The method of generating harmonics in a system comprising in combination a source of alternating electromotive force, an electric discharge repeating device having a cathode, an anode and an impedance control element, and a high resistance in the output circuit of the repeating device, which method consists in impressing on the repeating device from said source cyclically varying voltage which alternates between limits chosen to include the knee of the characteristic curve of said repeating device.

1,485,651. LAND ROLLER AND PULVERIZER. JOSEPH F. WAGNER, South Bend, Ind. Filed Mar. 26, 1923. Serial No. 627,590. 18 Claims. (Cl. 55—21.)

1. In a land roller, the combination of successive parallel roller carrying shafts, frames carried by the shafts

at their ends, a weight frame above said first frames and rocking connections between the weight frame and the



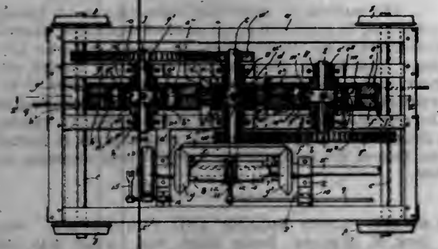
first mentioned frames, said rocking connections comprising engaging segmentally shaped surfaces, carried by the first mentioned frames and the weight frames.

1,485,652. CUTTING AND BURNISHING BROACH. JAMES WAKEFIELD and ERNEST HENRY COWGILL, Derby, England, assignors to Rolls Royce Limited, Derby, England. Filed Mar. 20, 1922. Serial No. 545,246. 4 Claims. (Cl. 90—33.)



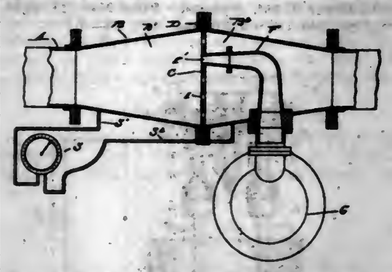
1. A tool for machining holes in metal consisting of a mandrel, a plurality of metal rings, threaded on said mandrel and having their outer circumferences formed with machining edges, said rings being so shaped that they can expand radially by application of pressure thereto and means for applying axial pressure to said metal rings.

1,485,653. CABLE-CAR TRANSMISSION. FREDERICK C. WALTERS, Eugene, Oreg. Filed Sept. 26, 1923. Serial No. 664,934. 12 Claims. (Cl. 104—235.)



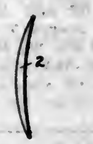
2. In a cable transmission of the character described comprising parallel shafts, and divided drums mounted thereon, a driving power applied to one of said shafts, operative connections between the intermediate and said outermost shafts, such connection including a divided member and differential gearing elements located within interior recesses provided in the opposed faces of the sections of said divided member and said drums respectively.

1,485,654. APPARATUS FOR MEASURING THE FLOW OF FLUIDS. CHARLES L. WEIL, Port Huron, Mich.; Ella S. Weil special administratrix of Charles L. Weil, deceased. Filed Oct. 6, 1919. Serial No. 328,867. 10 Claims. (Cl. 73—68.)



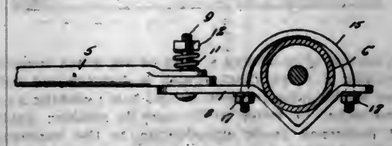
1. An apparatus for measuring the flow of fluids comprising a fluid conduit, a partition extending across said conduit having a plurality of apertures permitting the fluid to pass therethrough, a second conduit connected to one of said apertures to divert the fluid passing therethrough from the main stream, means for maintaining the same condition of back pressure against the diverted stream as against the main stream, and means for measuring the amount of fluid passing through said second conduit.

1,485,655. OPHTHALMIC LENS. ALBERT B. WELLS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 9, 1919. Serial No. 343,513. 2 Claims. (Cl. 88—54.)



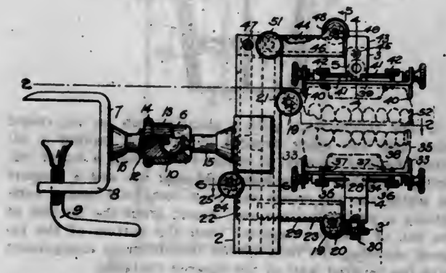
1. A lens element having an ingredient possessing the property of selective retardance of invisible light and transmission of visible light, and an ingredient that changes the color of the retarding ingredient to a shade that blends with the natural flesh tints of the face and will not cast noticeable shadows on the face when the lens is in place thereon.

1,485,656. GRAIN-BINDER ATTACHMENT. CHARLES WENDT, Herington, Kans. Filed Mar. 5, 1923. Serial No. 622,881. 1 Claim. (Cl. 56—474.)



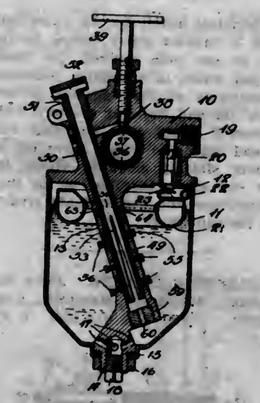
A bundle retaining arm structure adapted to be applied to the bearing of a bundle ejecting mechanism of a grain binder comprising a clamping plate having at a point between its ends a V-shaped depression adapted to receive a side portion of the bearing, a strap passing transversely through the plate beyond the ends of the depression and adapted to lie over the bearing, there being nuts screwed upon the ends of the strap and adapted to draw the same in close contact with the bearing, a bolt passing transversely through the forward end of the plate, the said plate being provided with a series of depressions which are arranged in an arc around the center of said bolt, a rod having an opening which receives the bolt and provided at its underside with a projection adapted to enter one of the last mentioned depressions, a nut screwed upon the upper end of the bolt and a coiled spring surrounding the bolt and interposed between the nut and the upper face of the rod.

1,485,657. DENTAL ARTICULATOR. FRANK L. WILLIAMS, Denver, Colo. Filed Apr. 5, 1921. Serial No. 458,674. 12 Claims. (Cl. 32—1.)



1. In a dental articulator, a standard, an upper model holding member including a bracket pivoted on the standard, a rack-bar slidable on the bracket, a pinion on the bracket cooperating with the rack-bar and a model-support connected to the rack bar at the outer end thereof, and a lower model-holding member cooperatively positioned with relation to the other.

1,485,658. CARBURETOR. DAVID L. WINTERS, Philadelphia, Pa. Filed Oct. 13, 1921. Serial No. 507,425. 4 Claims. (Cl. 261—64.)

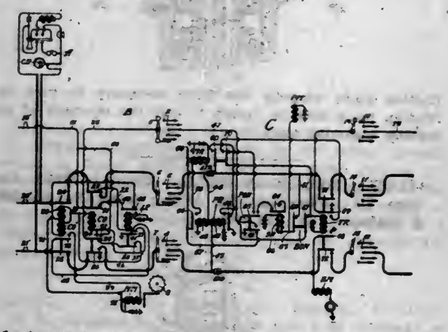


4. A carburetor comprising, in combination, a gravity fed fuel well, a main air passage, a passage connecting said well and air passage, means to admit air to said well comprising a tube in said well having a tapered longitudinal slot with its upper end adjacent the normal liquid level in said well, means to admit air to said tube, and means to adjust the width of said slot.

1,485,659. BOILER COMPOUND FOR REMOVING SCALE. THOMAS BRUCE WRIGHT, Winnipeg, Manitoba, Canada; Mary Jane Wright administratrix of said Thomas Bruce Wright, deceased. Filed Oct. 21, 1921. Serial No. 509,398. 1 Claim. (Cl. 81—27.)

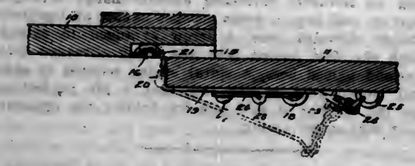
A boiler compound comprising five gallons of heavy mineral lubricating oil, two and one half gallons of kerosene, and one half gallon of turpentine.

1,485,660. TELEPHONE SYSTEM. GEORGE A. YANOCHOWSKI, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 30, 1918. Serial No. 256,175. 34 Claims. (Cl. 179—18.)



1. A telephone system including a non-numerical non-restoring automatic line switch, a test relay and a driving magnet for said switch, a circuit of said test relay including a contact of said driving magnet, and a circuit for said driving magnet including a contact of said test relay.

1,485,661. DOOR FASTENER. MAX ZIEHLKE, Linton, N. Dak. Filed Apr. 2, 1923. Serial No. 629,805. 1 Claim. (Cl. 292—285.)

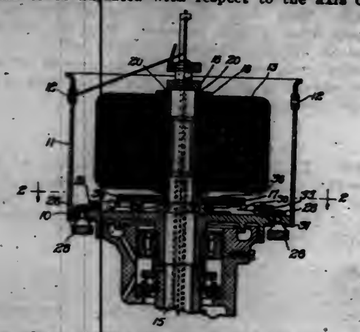


In combination with a building having a door opening and sliding doors therefor, a door fastener including a strap member having a portion formed at right angles thereto and terminating in a curved portion, said strap member having a slot therein, a flexible element for securing said member to the door, a hook mounted on said door arranged to extend through said slot, a catch member mounted on the wall of the building adjacent to the door opening, said catch member being recessed into the wall for permitting the door to slide thereover, the curved portion of said strap member being capable of engaging the catch member and a pivoted locking element for holding the strap member in position.

1,485,662. SERVING OR INSULATING MACHINE. CHARLES FREDERICK ARNHORST, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 7, 1922. Serial No. 541,884. 9 Claims. (Cl. 117—42.)

1. In a serving machine, a rotatable spindle, a serving head carried thereby, a bobbin carrier loosely mounted upon the rotatable spindle, a friction plate connected to the bobbin carrier, and friction supports for said fric-

tion plate connected to the head, said friction supports adapted to be adjusted with respect to the axis of said



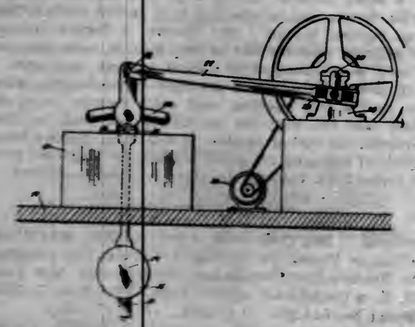
friction plate whereby the force necessary to turn the friction plate may be varied to suit the strength of the serving material used.

1,485,663. KEY-CHAIN REEL. WILLIAM BEST, Chicago, Ill. Filed July 23, 1923. Serial No. 653,300. 5 Claims. (Cl. 242—98.)



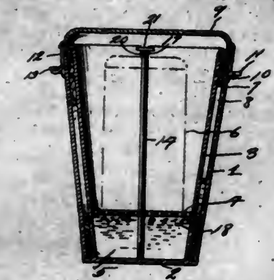
4. A key chain reel comprising a saucer-shaped housing having a guide member at one side thereof and being provided with an inwardly extending central cylindrical boss, said boss having a central bore, a tapered reel having an inwardly extending annular flange arranged to bear on said boss, a cover member having an inwardly extending threaded boss, a screw arranged to extend through the first named boss and being threaded into the second named boss, a spiral spring secured to said second named boss at one end, and a pin projecting across the interior of said reel for holding the opposite ends of said spiral spring.

1,485,664. PENDULUM. ISAAC V. BILYEU, Putnam, Ill. Filed Oct. 15, 1921. Serial No. 507,984. 5 Claims. (Cl. 185—29.)



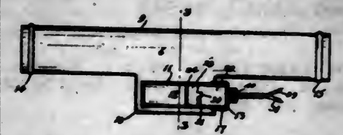
1. In a pendulum, having a staff with a weight at its lower end adjustable in longitudinal direction of said staff and a journal upon which it is mounted to oscillate; a tubular guide-way on said staff adjacent said journal and a body mounted upon said guide-way to travel thereon, said guide-way extending transversely to said staff in the plane of oscillation.

1,485,665. ICE-CREAM-SHIPPING TUB. FRED A. BOTNER, Barbourville, Ky. Filed June 29, 1922. Serial No. 571,834. 2 Claims. (Cl. 220—9.)



1. The combination with a shipping tub for ice cream cans, said tub being tapered shaped and having a tapered chamber therein, of means for forming a water collecting chamber in the bottom of said tub and a support on which the ice cream can may rest, said means comprising a perforated bottom, spaced from the bottom of the tub of greater diameter than the bottom of the tapered chamber and held spaced therefrom by engagement with the tapered wall of the tapered chamber.

1,485,666. ELECTRIC HEATER. JOHN ROBSON HARDING COLDWELL, Winnipeg, Manitoba, Canada. Filed Mar. 23, 1922. Serial No. 546,154. 7 Claims. (Cl. 219—38.)



1. In an electrical heater for an automobile, the combination with a tubular water casing having an offset well formed at one side thereof, the well presenting bottom and end walls, of a tubular container extending into and lengthwise of the well and permanently carried by one of the end walls of the well and having the inner end thereof closed and the other end extending beyond the end wall and screw threaded, an electrical heating element slidably mounted within the container and a screw cap screw threaded on to the protruding end of the container and demountably retaining the element within the container.

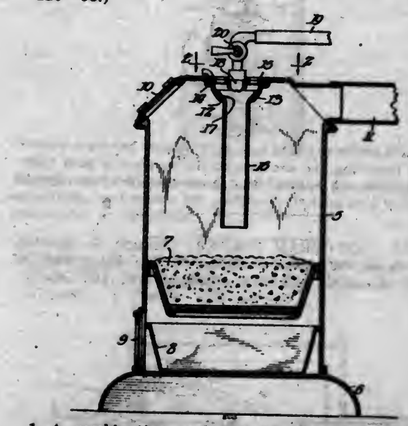
1,485,667. ELECTRIC HEATER. JOHN ROBSON HARDING COLDWELL, Winnipeg, Manitoba, Canada. Filed Jan. 8, 1923. Serial No. 611,456. 9 Claims. (Cl. 119—38.)



1. In an electric heater, a casing for receiving the electrical element, having one end permanently closed and the other end open and provided at the open end

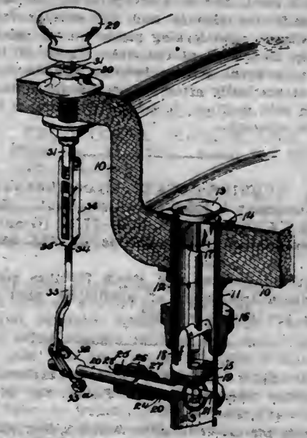
with an exterior integrally formed circumscribing hexagonal flange and with exterior screw threads adjoining the base of the flange and at opposite sides thereof, and a closure cap screw threading onto the latter end of the casing, said cap being provided with a centrally located outlet opening.

1,485,668. COMBINATION HEATER. EDWARD P. COLE, Chicago, Ill., assignor to Cole Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 18, 1921. Serial No. 462,241. 3 Claims. (Cl. 126—93.)



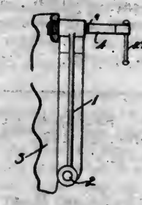
1. A combination coal and gas heater comprising a casing having a firepot for containing coal or refractory material, a combustion chamber above the firepot and an ash-pit below the same, a burner pipe depending within the central portion of and directly exposed to the burning gases in said combustion chamber, and means for providing regulated supplies of air and gas to the upper portion of said burner pipe, the latter having a discharge outlet adjacent and above the top of said firepot and arranged to project downwardly into either a blast of hot air or of a highly heated mixture of air and gas, substantially as described.

1,485,669. LAVATORY WASTE. VERNER F. DAVIS, Newark, N. J. Filed Nov. 17, 1922. Serial No. 601,452. 2 Claims. (Cl. 4—24.)



1. A lavatory waste comprising a waste pipe, a stopper operable longitudinally in the waste pipe, and a stem extending laterally into the waste pipe and rotatable therein and having the part under the stopper provided with a rounded face and a flat face, the parts being disposed so that the rounded face when engaging the stopper, supports it.

1,485,670. ADJUSTABLE VISE-LOCKING SCREW. HARRY L. EISENBROT, San Francisco, Calif. Filed Mar. 5, 1923. Serial No. 622,999. 9 Claims. (Cl. 199—50.)



3. Means for locking a movable element to a stationary element comprising a recess in the latter element having a flange extending into the same and a pin threadedly engaging the movable element having a tip removably secured thereto with a flange at the end of the tip adapted to engage the flange in the recess on a turning motion of the pin whereby the two elements are drawn together.

1,485,671. CHUCK. GEORGE W. EMRICK, Brooklyn, N. Y., assignor to Eastern Tube and Tool Company, a Corporation of New York. Filed June 23, 1922. Serial No. 570,465. 22 Claims. (Cl. 279—16.)



1. A chuck device of the class described comprising a suitable chuck body, a casing mounted on said chuck body and retained against detachment therefrom, said casing being capable of lateral and oscillatory movement on said chuck body, jaw members movably mounted in said chuck body, and means controlled by said casing, for moving said jaw members into position to firmly grasp a suitable tool therebetween while permitting the movement of all of said parts on said chuck body.

1,485,672. CHICKEN FEEDER. MARY E. FIELDEN, Ashland, Oreg. Filed Mar. 20, 1923. Serial No. 626,345. 3 Claims. (Cl. 119—61.)



2. A feed trough for chickens or the like comprising a central partition, two troughs disposed on opposite sides of the same, a rod removably supported above the partition and a plurality of lids adapted to be interchangeably hinged to the rod for covering both troughs, the lids having apertures of different sizes for allowing chickens of different sizes access to the troughs.

1,485,673. PRODUCT OF REDUCTION OF OXYCODEINON AND PROCESS FOR PREPARING THE SAME. MARTIN FREUND, deceased, late of Frankfort-on-the-Main, and Edmund Speyer, Frankfort-on-the-Main, Germany, by Walter Freund, administrator. Original application filed July 15, 1921, Serial No. 485,130. Divided and this application filed Sept. 11, 1922. Serial No. 587,621. 1 Claim. (Cl. 260—25.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

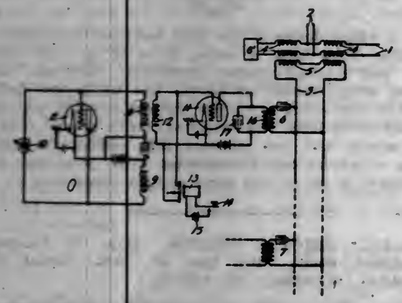
The process of preparing dihydrooxycodeinon, melting at 222° C. which consists in reducing oxycodeinon in an acetic acid solution by molecular hydrogen in the presence of palladium chloride.

1,485,674. CASTER. KASIMIERZ GLOWASKI, Philadelphia, Pa. Filed Mar. 15, 1923. Serial No. 625,240. 4 Claims. (Cl. 16—24.)



1. A caster comprising a top plate having an annular flange; a bottom plate having an opening and an annular flange, the flange on the top plate embracing the flange on the bottom plate; a ball of a diameter greater than the opening disposed between the plates and seated in the opening; a spacer between the plates, and means for securing the top plate to the bottom plate.

1,485,675. MULTIPLEX TELEGRAPHY. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,330. 10 Claims. (Cl. 178—51.)



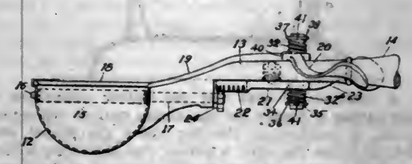
1. The method of telegraph signaling which comprises controlling a high frequency sustained wave in accordance with a telegraphic signal and passing the resulting wave through a selective circuit to suppress resultant wave components having frequencies lying to one side of said high frequency, and to transmit the corresponding wave components to the other side of said high frequency.

1,485,676. CASTER. WILLIAM C. HARTMANN, Cleveland, Ohio, assignor of one-half to C. A. Fleming, Cleveland, Ohio. Filed Nov. 23, 1922. Serial No. 602,826. 2 Claims. (Cl. 16—19.)

1. A caster having an upstanding shank, said shank being square in cross section and having screw threads on its corners, a guide slidably and rotatably receiving said shank, a weight supporting nut threaded adjustably on the shank under said guide, and a washer interposed between said guide and said nut, said washer having a square opening receiving the shank, and the corners of said opening being grooved to clear the screw threads of the shank.



1,485,677. ICE-CREAM DISHER. GEORGE E. HOLMES and FRANK W. GRANT, Dover, N. H. Filed Feb. 6, 1923. Serial No. 617,221. 4 Claims. (Cl. 107—48.)



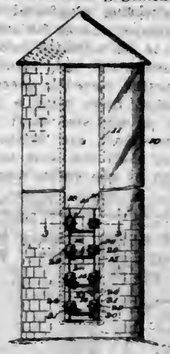
1. An ice-cream disher comprising a shank, a bowl fixed to the shank, a scraper conforming to the interior of the bowl, and movable from side to side thereof, a cleaver movable across the top edge of the bowl, operating mechanism including a cleaver-operating lever connected with the cleaver, a scraper-operating lever connected with the scraper, and spring means normally holding the cleaver, the scraper and the said levers in initial positions with the cleaver and the scraper at one side of the bowl, the said levers being manually movable to shift the cleaver and the scraper from their initial positions; and locking means on the shank, operable by the movement of the cleaver lever to its initial position, to lock the scraper lever to the shank, and operating automatically after the movement of the cleaver lever from said position, to release the scraper lever and permit its operation.

1,485,678. TURBINE BUCKET. HANS HOLZWARTH, Mulheim, Germany. Filed Aug. 23, 1921. Serial No. 494,643. 4 Claims. (Cl. 253—77.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

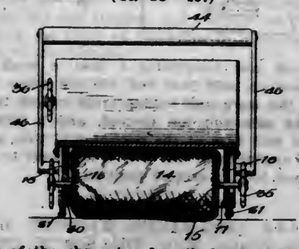
1. A bucket for gas and steam turbines adapted for high temperatures made of practically unalloyed iron having a low carbon content.

1,485,679. SILO. LEVI DEPUY HOUGHTALING, Reading, Pa. Filed July 29, 1922. Serial No. 578,479. 7 Claims. (Cl. 20—1.4.)

1. A door for use with silos having a door opening and comprising a main panel and laterally movable end pieces carried by said main panel, said movable end pieces being movable laterally outward into engagement with the inner side walls of the door opening, and being movable laterally inward and out of engagement with said walls whereby to compensate for shrinkage or swelling, respectively, and means for positively moving said end pieces outwardly or inwardly.

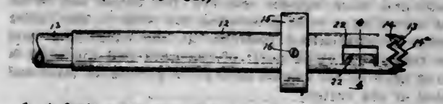


1,485,680. FLOOR POLISHER. WILLIAM H. HUGHES, Falls City, Nebr. Filed May 23, 1921. Serial No. 471,883. 1 Claim. (Cl. 15—49.)



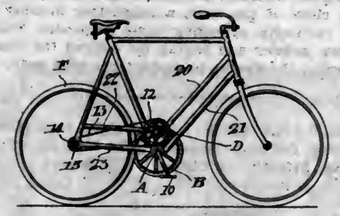
A device of the character described comprising a body provided with spaced side walls having their opposed sides formed with vertically arranged guides, polishing elements having shafts provided with bearings slidable in said guides, upper and lower springs received in said guides and contacting with opposite sides of said bearings the lower longitudinal edge portions of said side walls being extended inwardly to define flanges against which the lower springs abut, a handle connected to said side walls, castors supporting said side walls and connected to said inwardly directed flanges, and an electric motor mounted on the top for operating said polishing elements, the upper springs being greater in strength than the lower springs, whereby to urge the polishing elements into engagement with the floor.

1,485,681. FRUIT CORER. HARRY E. LAKE, Reading, Mass. Filed Dec. 28, 1922. Serial No. 609,395. 3 Claims. (Cl. 146—53.)



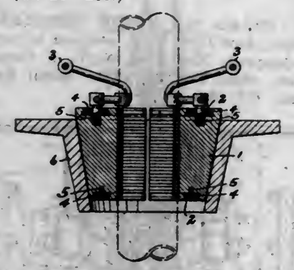
1. A fruit corer comprising a pair of telescoping tubes, adapted to form an annular kerf extending partly through a fruit, and partially detaching the core thereof, the inner tube being adapted to turn and move endwise in the outer tube, and provided with means actuated by a turning movement of the inner tube to complete the detachment of the core, and by an endwise movement of the inner tube, to withdraw the detached core, so that the fruit may be provided with a cavity open at one end only, the other end being left intact, stop means being provided for limiting the endwise and turning movements of the inner tube.

1,485,682. BICYCLE GEAR. AUGUSTUS LIEBE, Rowe, Mass. Filed July 24, 1922. Serial No. 577,169. 1 Claim. (Cl. 208—47.)



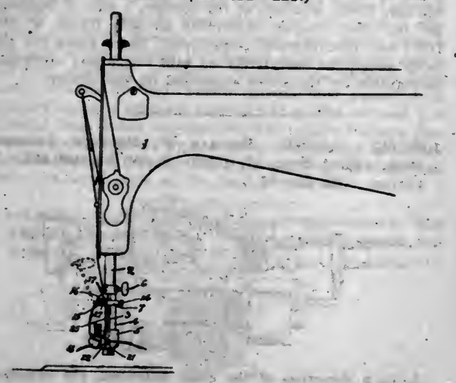
A bicycle of the character described comprising a pair of diagonal bars spaced one above the other, a pair of similarly spaced horizontal bars connected at their inner ends to the diagonal bars to form an upper and lower frame, a counter-shaft supported in a bearing in the upper frame, a pinion and a sprocket on said shaft, a crank shaft in the lower frame having an internal gear adapted to engage with the pinion on the counter-shaft, and chain means connecting the sprocket on the counter-shaft with a sprocket on the driving wheel.

1,485,683. PIPE HOLDER. MILTON S. LIONOSKI, Houston, Tex., assignor to G. R. Livergood. Filed Feb. 13, 1922, Serial No. 536,138. Renewed June 29, 1923. 4 Claims. (Cl. 24—263.)



1. A pipe holding device including a circular inwardly tapering wall, segmental jaws, independent members passing through said jaws at their respective ends, and joining them loosely together.

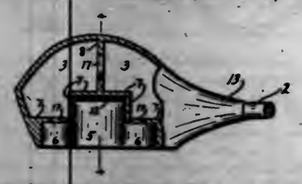
1,485,684. NEEDLE-THREADING ATTACHMENT. DAVID ALEXANDER LIVINGSTON, Metchosin, British Columbia, Canada. Filed July 19, 1920. Serial No. 397,536. 1 Claim. (Cl. 112—225.)



In a needle threading attachment for a sewing machine a thread guide consisting of a split, horizontally disposed, conical body, having the split on the under side, the

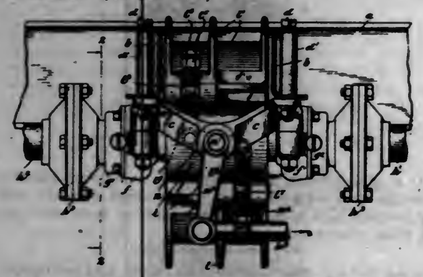
divided edges of the body being spaced apart and provided with spaced aligning extensions projecting beyond the small end of the body, horizontal sleeves carried by the opposite sides of the body, a supporting member and a pair of vertically extending arms suspended from said supporting member and having the ends of the arms bent and entering the sleeves to support the cone body.

1,485,685. GOLF CLUB. JAMES ALEXANDER MCMAHON, Hamilton, Ontario, Canada. Filed Mar. 11, 1922. Serial No. 543,052. 4 Claims. (Cl. 46—4).



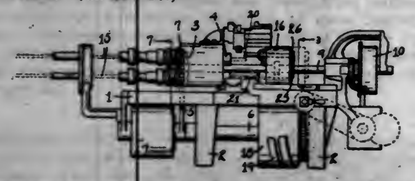
1. A golf club comprising a hollow metallic head having the driving face thereof open, a wooden insert carried within the head, the outer face of said insert coinciding with the driving face of the head, and a single balancing weight carried within the head adjacent to the center of gravity thereof and situated centrally behind the insert.

1,485,686. BRAKE FOR MOTOR VEHICLES. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 31, 1921. Serial No. 441,130. 9 Claims. (Cl. 188—74.)



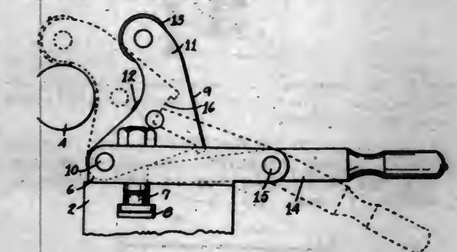
1. In a motor vehicle, in combination with the side frame members of the chassis and a propeller shaft, a brake drum carried on said shaft, a frame supported on the side frame members of the chassis, a pair of bearings for the shaft carried removably on said frame, at the front and rear thereof, respectively, brake shoes for the drum supported operatively on said frame and operating mechanism for the shoes supported on said frame.

1,485,687. LATHE. HERMAN W. MELLING, Jackson, Mich. Filed Sept. 27, 1922. Serial No. 590,828. 8 Claims. (Cl. 29—57.)



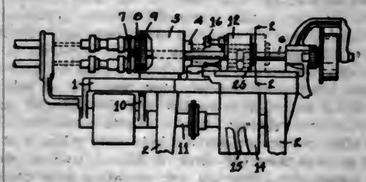
1. In a structure of the class described, the combination with a work spindle, of a cutter spindle provided with a cutter, a spindle driving shaft, a gear box member in which said spindle driving shaft is mounted, a coacting gear box member in which said cutter spindle is mounted, a stub shaft carried by said first gear box member and constituting a pivotal support for said second gear box member, means for securing said second gear box member in its adjusted positions, a gear on said spindle disposed within said spindle gear box member, a pair of coacting eccentric gears on said driving shaft and stub shaft, there being a gear connected to said eccentric gear on said stub shaft meshing with said gear on said cutter shaft, and driving connections for said spindle driving shaft and work spindle whereby the work is acted upon by the cutter during its periods of increased speeds.

1,485,688. WORK REST. HERMAN W. MELLING, Jackson, Mich. Filed Sept. 27, 1922. Serial No. 590,829. 2 Claims. (Cl. 82—38.)



1. A work rest comprising a base, a work engaging yoke pivoted on said base and adapted when erected to overhang the work and having trust rollers thereon engaging the side and top thereof, and a locking lever pivoted on said base at the rear of said yoke so that its inner end engages the rear side of the yoke to swing the same to and lock in erected position.

1,485,689. NUT-MAKING MACHINE. HERMAN W. MELLING, Jackson, Mich. Filed Sept. 27, 1922. Serial No. 590,830. 5 Claims. (Cl. 29—57.)

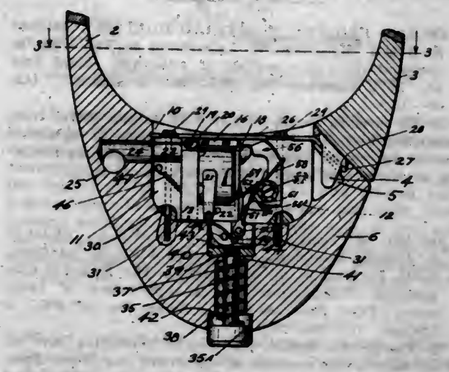


1. In a structure of the class described, the combination with a work spindle, of a cutter spindle, a cutter on said cutter spindle provided with end blades, a spindle driving shaft, a train of gears connecting said spindle driving shaft and cutter spindle comprising coacting eccentric gears whereby said cutter spindle is driven with variable speed, and driving connections for said spindle driving shaft and work spindle whereby the cutter and work are driven at a ratio presenting the work to the cutter blades in alternating positions at the succeeding cuts are taken at a given point of the work and the work is acted upon by the blades during the periods of increased speed of the cutter.

1,485,690. AUDIBLE THEFT SIGNAL FOR AUTOMOBILES. ROBERT MESTARS, Los Angeles, Calif., assignor to Security Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 27, 1919, Serial No. 333,700. Renewed Jan. 8, 1924. 15 Claims. (Cl. 116—33.)

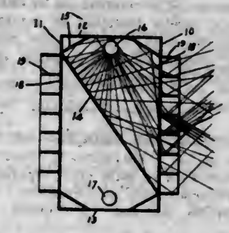
6. An audible theft indicating signal comprising, a device adapted to be locked about the tire and felly of a wheel of the vehicle and having a body portion projecting from the periphery of the tire and which portion is

chambered; a compactly organized gun action designed to be readily mounted and secured in the said chamber, said action having a trigger member; the body portion of the said device having a bore extending to its road engaging face and provided with a series of shoulders



forming stops; and a yielding plunger mounted in the said bore and engaging one of said stops upon the rim of its inward movement during which movement the plunger actuates the gun trigger; and a device on the plunger for engaging the other of the stops to limit the outward movement of the plunger.

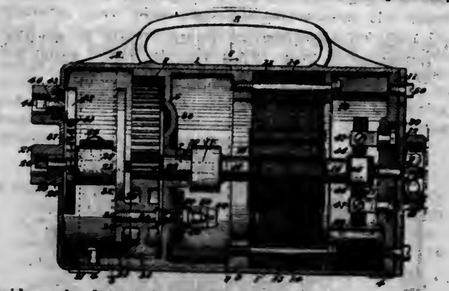
1,485,691. ELECTRIC SIGN. FRANK B. MILLER, Terre Haute, Ind. Filed July 15, 1921. Serial No. 484,956. 1 Claim. (Cl. 40—133.)



A sign structure comprising a housing having a representation of a design or letter thereon, a source of illumination mounted within said housing, a plurality of apertures within the side of said housing so arranged as to outline said letter or design, a reflecting surface positioned witin said housing extending at an angle to the plane through said apertures through which the rays of light are reflected thereby, and a plurality of outwardly extending honey-comb members positioned adjacent each other and secured to said housing so as to coincide with and surround said apertures, said members comprising reflecting walls extending outwardly at right angles thereto and perpendicular to said housing at substantially a distance equal to the width of said apertures for reflecting the rays of light passing therethrough.

1,485,692. SPRING MOTOR. ROMAINE W. MYERS, Oakland, Calif., assignor to California Cap Company, Oakland, Calif., a Corporation of California. Original application filed Mar. 8, 1921, Serial No. 450,599. Divided and this application filed July 5, 1922. Serial No. 572,897. 8 Claims. (Cl. 185—41.)

1. In combination with a rotatably mounted element, a spring actuated planetary transmission associated therewith for operating the same, a connection between the transmission and said element including an overrunning clutch, a peripherally toothed ratchet associated with said spring, one of the teeth of said ratchet being mutilated, and a spring held pawl co-operating with the ratchet for retaining the spring in its wound position,



said pawl adapted for releasing from said ratchet only when the same is in co-operation with said mutilated tooth.

1,485,693. LACE. ALBERT E. NEWTON, West Barrington, R. I., assignor to Rhode Island Lace Works, West Barrington, R. I., a Corporation of Rhode Island. Filed Dec. 13, 1922. Serial No. 606,611. 19 Claims. (Cl. 96—24.)



1. As a new article of manufacture, a lace wherein the gimp thread coacting in series in fixed relation to each other in respect to the bobbin threads are twisted around certain bobbin threads from above and led under a plurality of bobbin threads, are twisted from below around the last bobbin threads just passed under and led over a different plurality of bobbin threads, are twisted from above around the last bobbin threads just passed over and led under a different plurality of bobbin threads, are twisted from below around the last bobbin threads just passed under and led over a different plurality of bobbin threads back to the starting stop, and are repeatedly led over the same cycle as the lace is twisted.

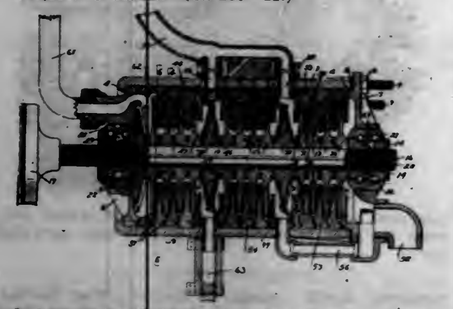
1,485,694. CLASP. HALFDAN JOHANNES NORDSETH, San Francisco, Calif. Filed Feb. 19, 1923. Serial No. 620,033. 1 Claim. (Cl. 24—243.)



A clasp of the character described, comprising a strip of metal bent to encircle an object having marginal flanges folded upon the outside of the strip and an insert

of different material matching the color of the object covering the body of the strip clamped between the flanges and the strip.

1,485,695. COMPRESSION PUMP. EMIL P. NORMAN, Holmquist, S. Dak. Filed Jan. 29, 1923. Serial No. 615,638. 3 Claims. (Cl. 230—11.)



2. In a device of the character described, a cylindrical housing having an internal flange at one end, an end plate adapted to be pushed against the flange from the other end, a shaft supported centrally in the housing, a plurality of discs supported on the shaft in spaced relation, a plurality of rings engaging the wall of the cylinder having annular tongues thereon extending into the spaces between the discs, the discs and the rings being adapted to be introduced alternatingly, and a second end plate adapted to be secured to the other end having means associated therewith for pushing all the members within the housing toward the first mentioned end.

1,485,696. EXTRACTING OIL FROM MILK AND CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, a Corporation of Delaware. Filed June 14, 1922. Serial No. 568,359. 1 Claim. (Cl. 99—13.)

The process herein described of extracting oil from milk and cream, which consists in separating the cream out from the whole milk, diluting and washing the cream by the centrifugal action of a separator of the same form until practically all of the casein is removed, diluting and melting the fat contained in the cream, passing the same through an oil separator and returning the fluid comprising the wash water, milk serum and unrecovered fat particles back to the whole milk prior to its being subjected to the initial step of separation.

1,485,697. PROCESS OF EXTRACTING OIL FROM MILK AND CREAM. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, a Corporation of Delaware. Filed June 14, 1922. Serial No. 568,360. 3 Claims. (Cl. 99—13.)

2. The process herein described of extracting oil from milk or cream, which consists in separating out the cream from the whole milk, diluting the cream with water and subjecting the mixture to a second separating process, agitating or whipping the washed cream, heating the agitated cream to a temperature sufficient to melt the fat particles and subjecting the heated cream to the action of a centrifugal oil separator for extracting the pure oil.

1,485,698. PROCESS OF OBTAINING MILK FAT. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, a Corporation of Delaware. Filed July 6, 1922. Serial No. 573,230. 5 Claims. (Cl. 99—13.)

1. The process of recovering oil from milk which consists in treating the milk or cream separated therefrom so as to produce a mixture of concentrated fat, water and a small percentage of casein or non-fat solids, subjecting this product to the action of a whey separator, and then passing the resulting product through an oil separator to obtain a pure clear oil.

1,485,699. PROCESS OF MAKING BUTTER. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, a Corporation of Delaware. Filed July 14, 1922. Serial No. 575,056. 2 Claims. (Cl. 99—13.)

2. The process herein described of making butter from emulsified artificial cream which consists in agitating the cream at the proper temperature by paddles revolving at the rate of about 700 revolutions per minute.

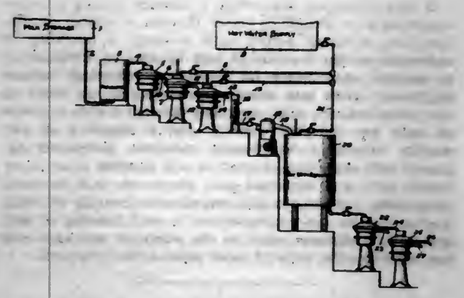
1,485,700. EXTRACTING OIL FROM MILK. CHARLES E. NORTH, Montclair, N. J., and JOHN L. LAYCOCK, North Pelham, N. Y., assignors to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Feb. 28, 1923. Serial No. 621,009. 5 Claims. (Cl. 99—13.)

1. The process herein described of extracting pure oil from milk which consists in separating the cream from the skim milk, washing the cream, freezing the washed cream, melting the frozen cream and separating out the water from the resulting mixture.

1,485,701. PROCESS OF EXTRACTING MILK OIL. CHARLES E. NORTH, Montclair, N. J., and GEORGE C. PECK, Potsdam, N. Y., assignors to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed Apr. 11, 1923. Serial No. 631,353. 2 Claims. (Cl. 99—13.)

1. In the process of recovering oil or fat from milk or cream, the steps herein described of washing the cream separated from the milk, curdling the remanent casein in the washed cream by the addition of rennet and separating out the oil therefrom.

1,485,702. CONTINUOUS PROCESS OF EXTRACTING OIL FROM MILK. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed May 29, 1923. Serial No. 642,262. 4 Claims. (Cl. 99—13.)



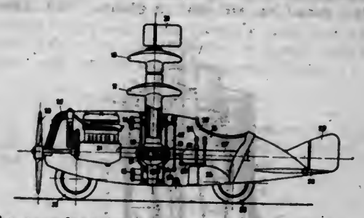
1. A continuous and automatic process for recovering oil from milk, which consists in warming the milk, separating, washing, cooling and whipping the cream, melting the whipped cream with warm water, freeing this mixture of its water, and delivering the dry oil; these steps being carried on in the sequence named and in such manner that the product of one step is directly and continuously passed to the means for carrying out the next succeeding step, all as herein set forth.

1,485,703. FUSE. ELMER L. OGLE, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1921. Serial No. 497,178. 3 Claims. (Cl. 200—123.)



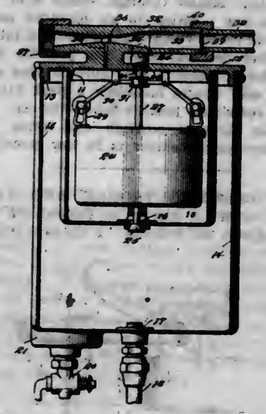
1. In an electric fuse for use in multiphase circuits, in combination with a fuse body and a removable cartridge containing a fusible element and a heating coil associated therewith, said cartridge having auxiliary contacts on the outside of its body connected to said heating coil, primary contacts on the outside of the fuse body, each primary contact consisting of a blade split at one end and provided with a stud at the other end, said stud taking through an opening in said body and being adapted for engagement with one of said auxiliary contacts.

1,485,704. AIRCRAFT. RAUL PATERAS PESCARA, Barcelona, Spain. Filed Aug. 29, 1922. Serial No. 585,092. 4 Claims. (Cl. 244—15.)



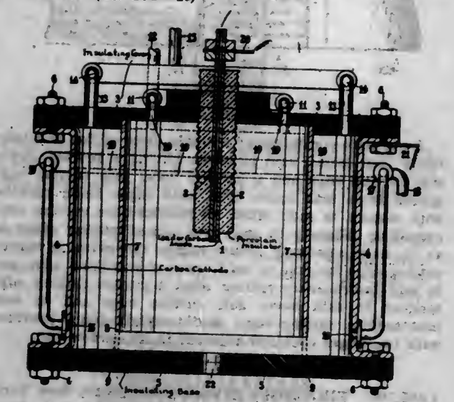
1. An aeroplane having a supporting surface mounted to rotate freely about an axis perpendicular to its larger dimension, means for driving the machine, and means for braking and locking the supporting surface to permit of the latter turning by "auto-rotation" or serving as a fixed plane.

1,485,705. GASOLINE-SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES. WALTER PIEL, New York, N. Y. Filed Nov. 19, 1919. Serial No. 339,238. 7 Claims. (Cl. 158—36.)



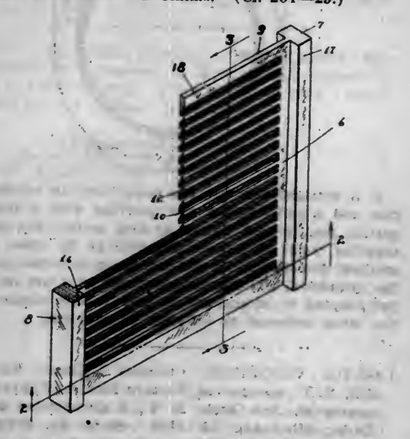
1. In a device of the class described, the combination of a float chamber, having an air inlet in the upper part thereof, and a fuel discharge port in the lower portion thereof, a float in said float chamber, a valvular construction including a pair of valves rigidly connected and controlled by said float for simultaneously closing both the air inlet and the fuel discharge port when the float is at or moving from a lowered position and for simultaneously opening both the air inlet and the fuel discharge port when the float approaches the upper limit of its movement, a feed chamber for receiving the discharge directly through said port and aspirating means carried above the float chamber continuously open to the upper portion of said float chamber and tending to reduce the pressure in said chamber, said aspirating means being continuously operated when fuel is being withdrawn from the feed chamber.

1,485,706. METHOD OF CARRYING OUT ELECTRO-CHEMICAL REACTIONS AND APPARATUS FOR USE THEREIN. GERTRUD PLAUSON, Hamburg, Germany. Filed Mar. 13, 1922. Serial No. 543,408. 10 Claims. (Cl. 204—1.)



1. A method of carrying out an electrochemical reaction consisting in passing current through an electrolytic cell such that the surface of the anode exposed to the electrolyte which is of relatively small area is heated to a high temperature and introducing a substance, which it is required to act upon, into the reaction zone at said anode.

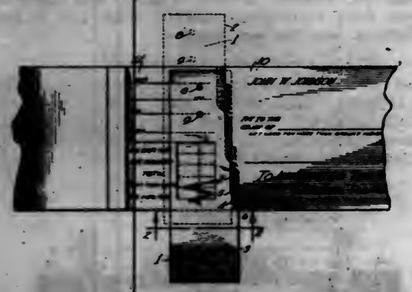
1,485,707. SEPARATOR FOR STORAGE BATTERIES. ROY W. PORTMANN, Norwood, Ohio. Filed July 5, 1922. Serial No. 572,894. 2 Claims. (Cl. 204—29.)



1. A separator of the class described comprising a frame carrying integral spaced ribs forming unobstructed inclined passages therethru, the ribs having inclined

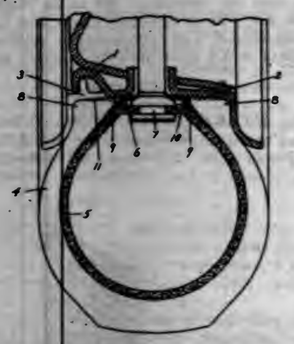
walls, the inclination thereof being such that no perpendicular line can be drawn between the side faces of the separator without contacting some portion of the separator.

1,485,708. TEMPLATE. GEORGE E. POTTER and ELVIE L. POTTER, Chicago, Ill. Filed Feb. 2, 1921. Serial No. 441,893. 1 Claim. (Cl. 33—198.)



A template consisting of a single piece of flat and relatively thin metal, said template having a beveled upper side cutting edge and a beveled lower side cutting edge spaced from said upper edge, said edges being parallel with respect to each other, an intermediate cutting edge extending obliquely to said first named cutting edges so as to make relatively obtuse angles therewith, a curved cutting edge tangent to said upper side cutting edge and to said intermediate cutting edge, a curved cutting edge tangent to said lower side cutting edge and to said intermediate cutting edge, said template being provided with two finger openings adjacent to its narrow end.

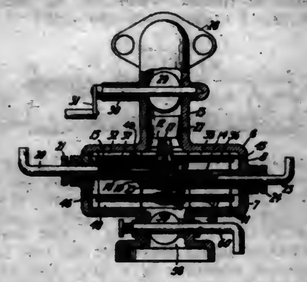
1,485,709. TIRE RIM. SYDNEY I. PRESCOTT, New York, N. Y., and FRANCIS J. RUMMLER, Lyndhurst, N. J. Filed Feb. 8, 1922. Serial No. 534,975. 2 Claims. (Cl. 301—11.)



1. A straight side tire rim comprising an endless section and a split section and provided with a tire supporting seat in part formed by each section and slightly tapering from its largest diameter at its sides to its smallest diameter in its mid-section in non-conformity to the cylindrical rim engaging surfaces of a tire as made, but adapted to be engaged by and to fully support said tire when deflected by inflation on said rim.

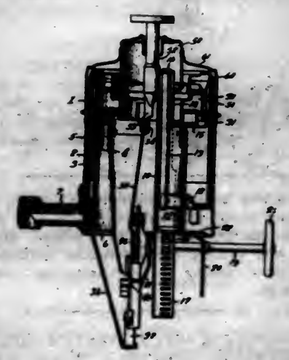
1,485,710. VAPORIZER. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1919. Serial No. 319,055. 6 Claims. (Cl. 48—103.)

1. A vaporizer for internal combustion engines, comprising a mixing chamber, air and fuel inlet passages and a mixture outlet passage communicating therewith, and electrically heated superimposed plates arranged to heat



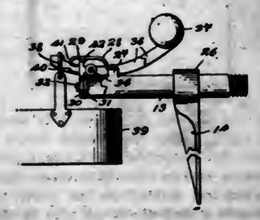
and baffle the air and mixture passing through said chamber.

1,485,711. OIL BURNER. MARC RESEK, Cleveland Heights, and HERMAN F. KLUGE, Shaker Heights, Ohio, assignors to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 7, 1922. Serial No. 605,495. 9 Claims. (Cl. 158—94.)



1. In a burner of the character set forth, an air controlling member, means through which said member is lifted from a low position to an elevated position and through which its downward movement is initiated, the member further descending to low position by gravity, and a guide for said means, said guide having a restricted portion and said means including a part fitting loosely within said restricted portion when the air controlling member is in elevated position and being withdrawn therefrom when said member is in low position.

1,485,712. WATERING TROUGH AND AUTOMATIC CUT-OFF. JOHN J. REYNOLDS, Gifford, Ill. Filed Dec. 5, 1919. Serial No. 342,835. 1 Claim. (Cl. 137—68.)



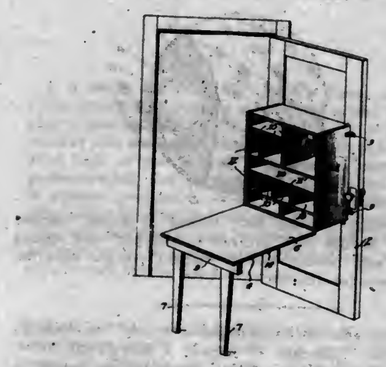
A conduit, a valve therefor, an operating member having lost motion operative relation thereto, said operating member having a receptacle supporting arm movable vertically for operation, a releasable detent and a member movable with the valve to be engaged by the detent and parts on the detent and operating member to co-engage for release of the detent.

1,485,713. TENSION TESTER OR INDICATOR. CHARLES STANLEY RHOADS, Yonkers, N. Y. Filed Apr. 29, 1920. Serial No. 377,631. 4 Claims. (Cl. 265—63.)



1. In a device for placing a flexible member under tension, a plurality of pulley members, a flexible member having lengths extending between said pulley members, said pulley members being provided with means for detachably securing the same to a flexible member that is to be placed under tension, and tension indicating means positioned in one of said lengths between said pulley members whereby said tension indicating means will be subjected to only a portion of the stress to be measured, said tension indicating means having a hook and one of said blocks having an eyelet adapted to receive said hook to connect said tension indicating means thereto.

1,485,714. KITCHEN CABINET. FREDERICK M. ROACH, Detroit, Mich. Filed July 20, 1923. Serial No. 652,794. 1 Claim. (Cl. 45—51.)



A cabinet comprising, in combination, a box portion having a plurality of compartments therein, with its back secured to the inside of a closet or other door, a combined table and closure for said cabinet hingedly mounted on the box portion to swing downwardly approximately to a horizontal position and hinged supporting means mounted adjacent the free end of said closure to rest upon the floor, said supporting means being mounted to swing outwardly from the door into supporting position when the door is open and tending to resist swinging movement of the door while the cabinet is in use.

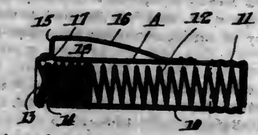
1,485,715. BLOWPIPE FOR METAL SOLDERING. FREDERICK ROBINSON, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,790. 2 Claims. (Cl. 158—27.4.)

1. A blow pipe comprising an air and a gas lead, a gradually tapering outlet pipe and a valve housing connected to the air and gas leads respectively, said outlets having a common inner wall and curved at their ends,



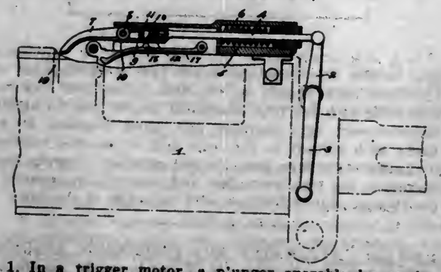
the air outlet terminating in a restricted opening and the gas outlet terminating in an enlarged triangular shaped opening disposed slightly beyond the restricted opening.

1,485,716. POCKET CONTAINER FOR CONFECTIONS AND THE LIKE. REGINALD HUBERT ROGERS, Summerside, Prince Edward Island, Canada. Filed Mar. 17, 1922. Serial No. 544,575. 2 Claims. (Cl. 206—56.)



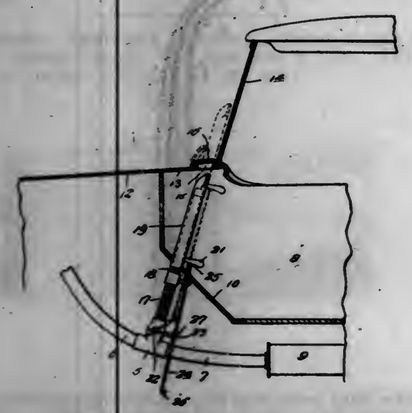
1. A device of the character described, comprising a receptacle closed at each end and provided adjacent one of said ends with a pair of oppositely disposed openings, a feed spring within the receptacle for feeding contained articles to a position between and opposite said openings, and a resilient strip attached at one end to the exterior wall of the receptacle and having the free end thereof bent inwardly in the direction of the receptacle and then at right angles in the longitudinal direction of the strip to provide a pusher operable through one of said openings.

1,485,717. TRIGGER MOTOR FOR VICKERS MACHINE GUNS. HERBERT O. RUSSELL and GARNET C. BROWN, Detroit, Mich. Filed Apr. 18, 1922. Serial No. 555,193. 5 Claims. (Cl. 89—27.)



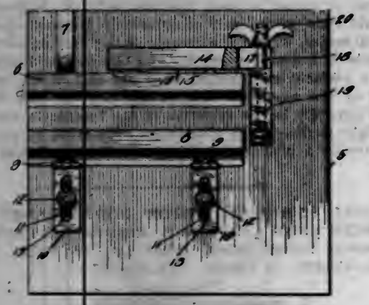
1. In a trigger motor, a plunger operable by an impulse generator, a floating arm carried by said plunger, a trigger trip lever also carried by said plunger and controlled as to its attitude by said floating arm, the latter in turn being controlled by a moving element of the machine gun on which the trigger motor is used.

1,485,718. APPARATUS FOR CLEANING GLASS PANELS. PAUL D. RYAN, Kenmore, N. Y. Filed Oct. 13, 1923. Serial No. 668,357. 2 Claims. (Cl. 20—40.5.)



1. A windshield cleaner for motor vehicles, wherein the vehicle is provided with a cowl, having an opening forwardly of the vehicle wind shield, a vertically movable nozzle normally disposed beneath the cowl and movable upwardly through said opening in position to supply a jet of gaseous medium across the outer surface of the windshield, and means to operatively associate said nozzle with an operative part of the motor vehicle from which a supply of said gaseous medium may be derived.

1,485,719. BACON SLICER. WILLIAM WALKER SADLER, Booneville, Miss. Filed May 9, 1923. Serial No. 637,762. 2 Claims. (Cl. 146—150.)



1. A supporting device including a base, a stationary jaw on the base, said stationary jaw being disposed at an angle with respect to the base, a movable jaw cooperating with the first mentioned jaw to grip an article therebetween, said movable jaw being disposed at an angle with respect to the base and in parallel relation with the stationary jaw, an end member hingedly connected to the stationary jaw and adapted to move to a position in spaced relation with the ends of the jaws.

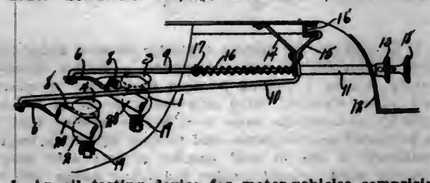
1,485,720. APPARATUS FOR DISPENSING LIQUIDS. M JAY SAGE, Brooklyn, N. Y., assignor, by mesne assignments, to Sage Air Systems, Inc., a Corporation of New York. Filed June 7, 1921. Serial No. 475,574. 3 Claims. (Cl. 251—104.)

1. In combination, a valve casing having air inlet and outlet ports, an exhaust port and a rotary valve within said casing having ports adapted to establish communication between said inlet port and outlet port at one



setting of the valve and means for placing said inlet port, outlet port and exhaust port in communication at the same setting of the rotary valve.

1,485,721. OIL TESTER FOR FORD AUTOMOBILES. FRANK H. SAVAGE, Gainesville, Tex. Filed June 26, 1923. Serial No. 647,932. 2 Claims. (Cl. 137—139.)



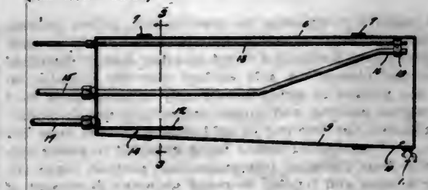
1. An oil testing device for motor-vehicles comprising a lever engaging the upper cock-handle and a lever engaging the lower cock-handle, pull-rods connected to said levers, a portion of one of said rods being a cylindrical sleeve and constituting one support for the other rod, a bracket for supporting both of said rods and a spring for automatically actuating said rods to close said cocks.

1,485,722. POWDER PUFF. THEODORE W. SCHRAMM, Bay City, Mich. Filed May 23, 1923. Serial No. 640,891. 3 Claims. (Cl. 132—78.5.)



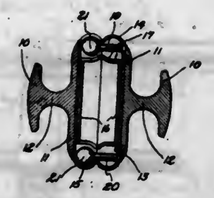
1. A flexible powder-puff having a pocket formed therein, a flexible cord secured to the puff and spaced from the said pocket, and a compact powder cake detachably secured thereto.

1,485,723. GASOLINE-SUPPLYING ATTACHMENT. JAMES S. JONES and EDWIN A. SCOTT, Beggs, Okla. Filed Oct. 13, 1922. Serial No. 594,263. 3 Claims. (Cl. 158—46.5.)



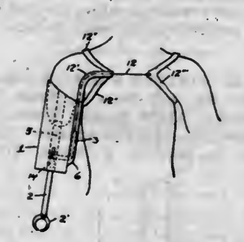
1. In a device of the class described, a main fuel tank; a carbureter; an auxiliary fuel tank located in advance of the carbureter and having a downwardly and forwardly inclined bottom defining a water pocket at the forward end of the auxiliary tank, means for draining the pocket, a supply conduit leading from the main tank to the auxiliary tank; and a delivery conduit leading from the auxiliary tank to the carbureter.

1,485,724. UNIVERSAL SNAP-FASTENER BUTTON. ALEXANDER D. SCULLY, New York, N. Y. Filed Mar. 9, 1923. Serial No. 623,825. 5 Claims. (Cl. 24—217.)



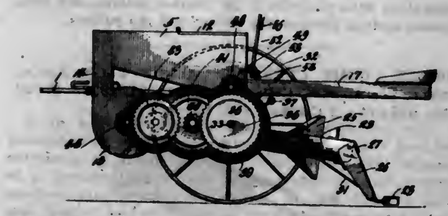
1. A separable fastener comprising a pair of members, an annular cup on each member having a plurality of slits therein, and means on said cups for interlocking a pair of cups.

1,485,725. DEVICE FOR ACTUATING ARTIFICIAL LIMBS. OSKAR SEMELEDER, Vienna, Austria. Filed Mar. 15, 1921. Serial No. 452,536. 8 Claims. (Cl. 3—12.)



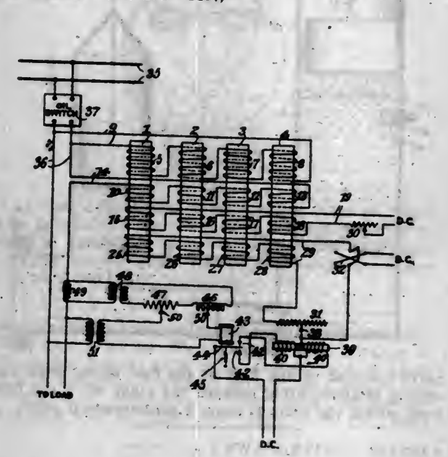
1. A device for actuating artificial limbs, comprising a socket-member adapted to receive the stump of a human arm, a rod slidably carried longitudinally of said socket-member and adapted to be connected with part of an artificial limb, or with a tool, locking-means carried by said socket-member and engageable with said rod to hold it in adjusted position, a second rod also slidably carried by said socket-member and adapted to be connected with a tool, and mechanism also carried by said socket-member for selectively releasing said locking-means, or engaging said second rod to move the same.

1,485,726. INSECT-DESTROYING MACHINE AND CULTIVATOR. JAMES A. SETSER, Antlers, Okla. Filed Oct. 24, 1922. Serial No. 596,569. 2 Claims. (Cl. 43—140.)



1. In combination, a portable frame, a suction apparatus mounted on the frame, a suction tube leading from said apparatus, a suction head mounted on the end of said tube and provided with a plurality of cutting knives in the manner and for the purpose specified.

1,485,727. VOLTAGE BOOSTING OR BUCKING SYSTEM. MAURICE L. SINDEBAND, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 20, 1920. Serial No. 411,479. 5 Claims. (Cl. 171—119.)



1. A voltage regulating system comprising an alternating current circuit, a transformer having a core, a primary winding connected across said circuit and a secondary winding connected in series with said circuit, a second core, a winding on said core connected in series with said primary winding, means for producing a unidirectional magnetomotive force in each of said cores, and means for producing another unidirectional magnetomotive force in each of said cores whereby the resultant unidirectional magnetomotive force is increased in one of said cores and is decreased in the other one of said cores.

1,485,728. BELT BUCKLE. CLARENCE E. SMITH, Naugatuck, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed July 14, 1923. Serial No. 651,520. 6 Claims. (Cl. 24—191.)

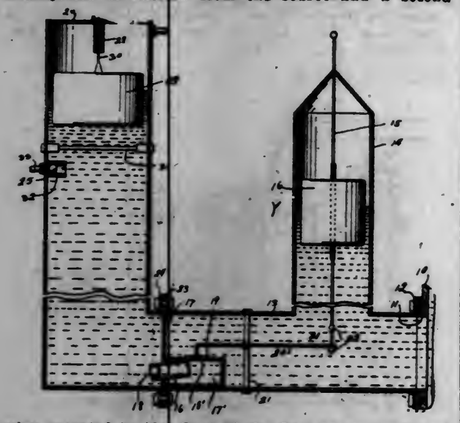


1. A buckle comprising a face plate, an actuator supported by the face plate, and a belt gripper operable by the actuator and comprising two rows of staggered teeth.

1,485,729. OIL-FEEDING APPARATUS. HERMAN E. SOMMERFELDT, Custer, Mich. Filed Apr. 18, 1923. Serial No. 632,896. 5 Claims. (Cl. 184—103.)

3. In apparatus for feeding oil to the sumps of internal combustion engines, two chambers one of which communicates with the sump to have the same fluid level therewith and has disposed therein a float, the other of which comprises a vacuum tank and is in communication with the source of vacuum and the source of oil supply, the vacuum tank having a higher level than the fluid level of the sump, and a connection between the vacuum tank and the first named tank including a valve closing

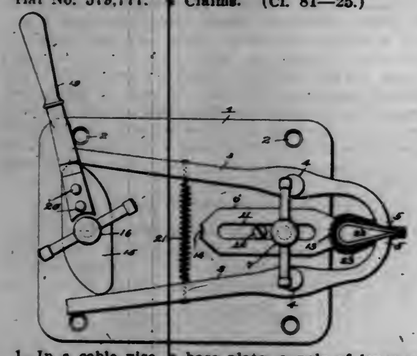
communication between the tanks when the vacuum tank is subjected to suction from the source and a second



valve operated by the float of the first named tank and closing communication between the tanks when the fluid level within the sump is above a predetermined point.

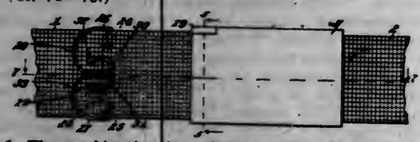
1,485,730. [WITHDRAWN.]

1,485,731. CABLE-SPLICING DEVICE. IDAR OLIVER STANGBYE, Sacramento, Calif. Filed Aug. 4, 1922. Serial No. 579,777. 4 Claims. (Cl. 81—25.)



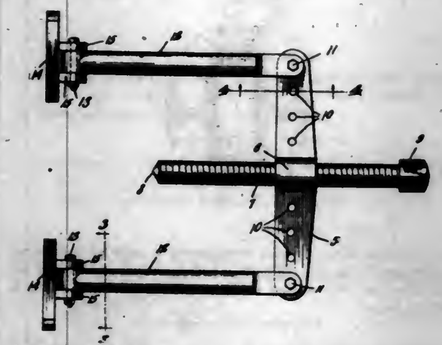
1. In a cable vise, a base plate, a pair of lever members each provided with a vise jaw mounted on said base plate, a backing plate mounted centrally between said lever members, said backing plate being so designed as to permit longitudinal adjustment toward or away from the gripping jaws of said lever members, means for causing rotation of said lever members in such a manner as to bring said jaws into clamping positions, and spring means for opening said jaws upon release of said locking means.

1,485,732. BELT. MARY STARMER, Newport News, Va. Filed Oct. 18, 1921. Serial No. 508,584. 6 Claims. (Cl. 74—75.)



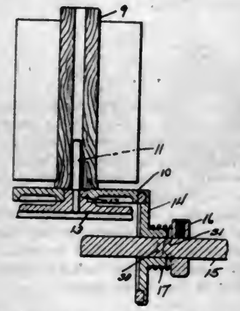
1. The combination in a device as described with belt ends, of a buckle plate having a back plate and an offset cross bar thereon, and a keeper plate having a vertically disposed tongue thereon to engage said cross bar.

1,485,733. WHEEL OR GEAR PULLER. ELLIS E. STERLING and RICHARD R. STERLING, Independence, Calif. Filed Apr. 28, 1922. Serial No. 557,104. 8 Claims. (Cl. 29—85.)



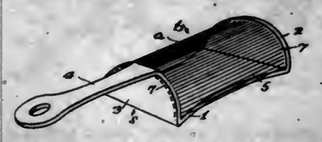
1. A gear and wheel puller comprising a body portion, a pair of pivoted arms adjustably supported on the body portion, pivoted members supported at the free ends of the arms, and said pivoted members adapted to be moved to positions in parallel relation with the arms.

1,485,734. YARN-WINDING MACHINE. SAMUEL STEWART, Lewiston, Me., and OSCAR L. OWEN, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Mar. 26, 1923. Serial No. 627,619. 2 Claims. (Cl. 242—18.)



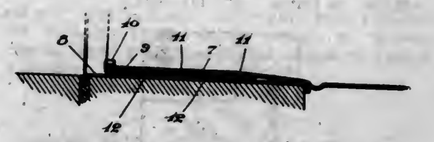
1. In a yarn winding machine having a plurality of winding members, rotatable tables supporting the supply packages, friction pulleys coacting with the peripheries of said tables to rotate them, revolving shafts centrally located beneath the rotary tables, said friction pulleys being loosely mounted thereon, collars fixed to said shafts cooperating with the hubs of the friction pulleys, and compression springs between the collars and the pulleys.

1,485,735. COMB CLEANER. AUSTIN FLINT STOCKWELL, Los Angeles, Calif. Filed Aug. 31, 1922. Serial No. 585,414. 2 Claims. (Cl. 132—29.)



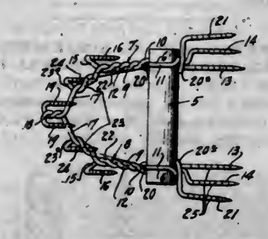
2. A comb cleaner comprising comb cleaning means composed of square twisted wire; and means for holding said wires in spaced relation to each other and to form a rounded cleaning surface.

1,485,736. STOVEPIPE FASTENER. GEORGE STOLZE, Wausau, Wis. Filed Apr. 19, 1923. Serial No. 633,129. 6 Claims. (Cl. 126—318.)



1. A pipe fastener comprising a sheet metal plate to be disposed and clamped between telescoping pipe portions and having means struck therefrom on opposite sides for biting and frictionally engaging said portions to resist the separation thereof.

1,485,737. SHOCK CARRIER. LARS STORDAHL, Baltic, S. Dak. Filed Nov. 18, 1922. Serial No. 601,787. 7 Claims. (Cl. 294—86.)



1. A carrier of the character described comprising a handle member, a set of prong members carried by each end portion of the handle member, each set of prong members comprising a plurality of strands of material, each strand being engaged with the adjacent strand of the set, said strands extending laterally of the handle, the end portions of each strand of the set being formed into prongs.

1,485,738. RECEPTACLE CLOSURE. CHARLES C. TAFT, New Haven, Conn. Filed Mar. 13, 1923. Serial No. 624,797. 7 Claims. (Cl. 220—39.)



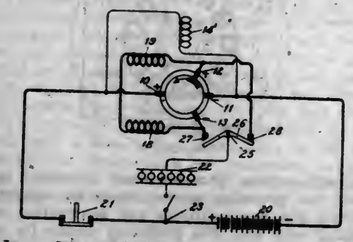
1. In a receptacle closure, the combination with a threaded tubular member provided with a recess bounded externally by a flange spaced radially from said threads, of a threaded sleeve rotatably mounted on said tubular member through the cooperation of said threads upon said member and sleeve, and a cover pivoted to said sleeve and forming a closure for the opening therethrough, said cover being provided with means adapted to extend into said recess and cooperate with said flange to prevent said cover from being moved to open position until after said sleeve has been partially screwed off said tubular member.

1,485,739. AUTOMATIC WINDER FOR TIMEPIECES. EDWIN L. THOMAS, Buffalo, N. Y. Filed June 12, 1922. Serial No. 567,566. 7 Claims. (Cl. 58—46.)



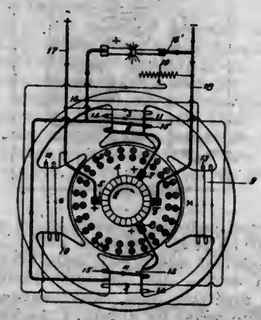
1. A time piece having a main spring, a prime mover which normally moves constantly, and means for intermittently coupling said prime mover with said main spring for rewinding the latter and constructed to permit a back lash after each winding step.

1,485,740. REVERSIBLE DOUBLE-VOLTAGE GENERATOR AND SYSTEM INVOLVING SAME. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Nov. 17, 1917, Serial No. 202,442. Renewed Nov. 19, 1923. 18 Claims. (Cl. 171—223.)



1. In a dynamo-electric machine, in combination, an armature, means for setting up a field flux threading said armature along axes spaced n degrees apart, brushes connected to said armature at points of maximum potential difference produced in said armature due to rotation in said field flux, and field windings connected to said brushes adapted to set up a field flux threading said armature along axes spaced more than n degrees apart.

1,485,741. DYNAMO-ELECTRIC MACHINE. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Dec. 19, 1918, Serial No. 267,468. Renewed July 6, 1923. 20 Claims. (Cl. 171—123.)

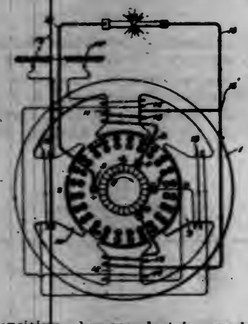


4. In a dynamo electric machine, in combination, poles of opposite polarity for setting up main flux, poles of common polarity placed intermediate of said first men-

tioned poles, and means for automatically reversing said common polarity in response to a function of the output of said machine.

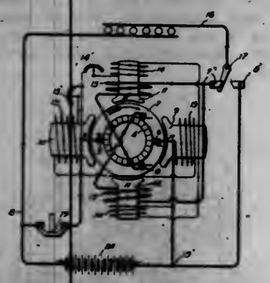
20. In combination, an armature, main field poles, brushes co-operating therewith, other brushes spaced from said first mentioned brushes, modifying poles, said modifying poles being provided with modifying windings which are connected to said other brushes and to a common point, thereby forming a local circuit including said other brushes, said modifying windings and part of said armature, said windings being so connected to said other brushes as to cause the current in said local circuit to set up a flux to oppose armature reaction.

1,485,742. GENERATOR SYSTEM. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Aug. 11, 1919, Serial No. 316,787. Renewed July 6, 1923. 14 Claims. (Cl. 171—223.)



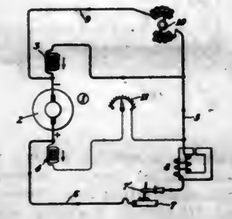
11. A self-exciting dynamo-electric machine having main field flux producing means, means for supplying a load circuit, and flux modifying and distributing means co-operating with said flux producing means for maintaining a relatively strong magnetic field under conditions of said load circuit varying from open circuit to short circuit.

1,485,743. GENERATOR SYSTEM. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Nov. 8, 1919, Serial No. 336,707. Renewed July 6, 1923. 15 Claims. (Cl. 171—223.)



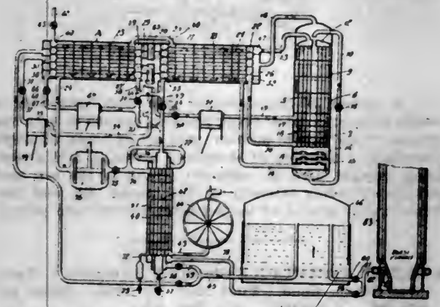
1. A system including a double circuit generator, one of said circuits being adapted to charge a storage battery, the other of said circuits being adapted to supply translation devices, said generator having main field poles and modifying poles, said modifying poles being provided with means for distorting the flux through the generator armature in response to the load on said translation circuit to hold up the voltage on said translation devices under load increases.

1,485,744. WELDING GENERATOR. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Nov. 22, 1920. Serial No. 425,763. 9 Claims. (Cl. 171—223.)



1. A welding generator having a shunt field winding and a cumulative series winding, said field windings being designed to maintain the sum of the ampere turns thereof substantially constant regardless of changes in current output and throughout voltage variations from a maximum open circuit condition to substantially short circuit condition.

1,485,745. METHOD OF AND APPARATUS FOR PROVIDING BLAST FOR METALLURGICAL FURNACES AND THE LIKE. CLAUDE C. VAN NUYS, Cranford, N. J., assignor to Air Reduction Company, Incorporated, a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,453. 32 Claims. (Cl. 266—30.)



1. A method of producing an oxygenated blast, which comprises compressing atmospheric air, subjecting a portion of the compressed air to further compression and to a liquefaction operation to separate nitrogen therefrom, discarding the nitrogen and mixing the oxygen enriched product with the remainder of the compressed air.

1,485,746. ANIMAL TRAP. EDWARD S. WARD, San Jose, Calif. Filed Apr. 17, 1922. Serial No. 553,397. 1 Claim. (Cl. 43—88.)



In a trap, a curved body portion having its lower edges extended at right angles to provide supports for the body portion, a depending extension formed at each end of the body portion, a pivot bolt supported by one of the extensions, a supporting bar having an opening to receive the bolt, one end of the bar having a pin, the opposite depending extension having an opening to

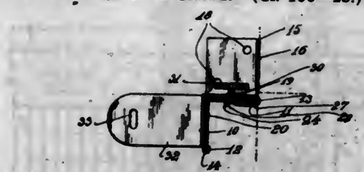
receive the pin, a pair of pivoted jaws mounted at one end of the bar, and means controlled by an animal passing through the trap for actuating the jaws to grip the animal.

1,485,747. RELEASABLE COUPLING FOR AVIATOR OR PARACHUTE HARNESS. DAVID M. WARNER, Dayton, Ohio. Filed Mar. 2, 1922. Serial No. 540,558. 4 Claims. (Cl. 294—83.)



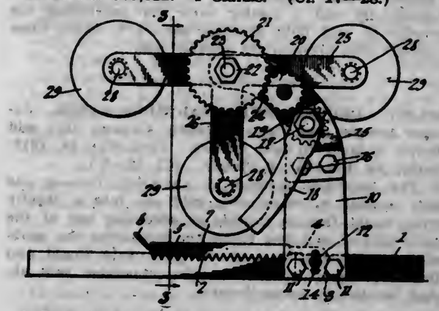
1. A releasable coupling device comprising, in combination, pivoted members, means engaged by said members for attachment to a support, means releasably engaged by said members for attachment to a load, said first named means being engaged by said members in such a manner that the load will tend to prevent release of said second named means, and resilient means tending to prevent release of said second named means upon release of the tension due to the load.

1,485,748. WINDOW-SHADE HANGER. WILLIAM C. WISSKAL, New York, N. Y. Filed Feb. 15, 1921. Serial No. 445,178. 2 Claims. (Cl. 156—23.)



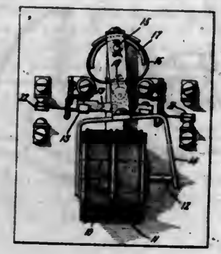
2. In a shade support, the combination of a pair of angular bars telescoping with each other, end supports provided on each of the bars, a serration provided at one face of one leg of the bars, a spring rider adapted to embrace both legs of the bars and having a curved engaging end provided with a serration, said serration adapted to engage the serration of said bars and a set screw associated with said rider adapted to engage the face of the bar legs opposite to that provided with the serration.

1,485,749. MACHINE FOR PREPARING STEAK. CLINTON M. WOLFE, Coeburn, Va. Filed Aug. 2, 1922. Serial No. 579,312. 4 Claims. (Cl. 17—28.)



4. In a device of the class described, a base, a pressure member movable above the base, a standard carried by the base, a shaft mounted to rotate on the standard, means for rotating the shaft, an arm carried by the shaft and a roller journaled on the arm, the roller co-operating with the pressure member and being movable longitudinally of the pressure member in an arc of fixed radius whereof the shaft is the center.

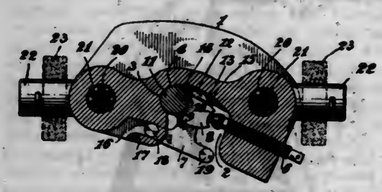
1,485,750. ELECTROMAGNETIC SWITCH. NOBLE A. WOLVE, Niskayuna, and EUGENE PONS, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed May 14, 1921. Serial No. 469,593. 3 Claims. (Cl. 200—100.)



1. An electromagnetic switch comprising an operating electromagnet having a reciprocable plunger, a movable strap embracing the said electromagnet cooperating with both ends of said plunger to be operated thereby, a switch member operated back and forth between two positions by the said strap, and resilient means for biasing the switch member to the position to which it is moved by the last operation of the plunger.

3. An electromagnet switch comprising an electromagnet having a reciprocating plunger, a pivoted strap embracing the electromagnet cooperating with both ends of the said plunger to be operated thereby, a pivotally mounted switch member having a cam surface and a resiliently mounted roller connecting the said strap and switch member for cooperating with the said cam surface to reciprocate the switch member about its pivoted support with a snap action responsively to the reciprocation of the plunger and for resiliently holding the switch member in the position to which it is moved by the last operation of the plunger.

1,485,751. CLAMP FOR RODS, PIPES, AND THE LIKE. ALBERT P. WORTHINGTON, Los Angeles, Calif. Filed Jan. 12, 1923. Serial No. 612,245. 6 Claims. (Cl. 24—249.)

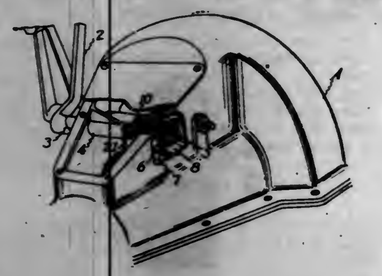


4. In a clamp of the character described, in combination, a main body having a jaw and a clamping member reversibly associated therewith and having two jaws adapted to coact separately with said jaw, said main body having a flanged recess, and said clamping member having two pairs of lugs, each pair being removably engageable in said flanged recess, separately and selectively in accordance with which jaw of said clamping member is in position for coaction with the jaw of said main body.

1,485,752. AUTOMATIC TRANSMISSION-BAND ADJUSTER. HARRY J. ZIMMERMAN, Pekin, Ill. Filed Sept. 3, 1920. Serial No. 407,899. 13 Claims. (Cl. 188—196.)

5. In combination with a transmission casing, a pedal shaft mounted therein and carrying upon one end a pedal, a block slidably mounted upon said shaft and held against rotation, a washer also slidably mounted

upon said shaft and provided with an inwardly extending tongue engaging a slot in said shaft, a ratchet nut



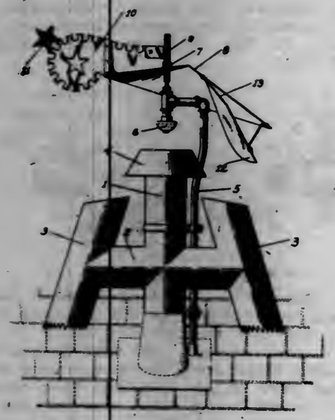
threaded upon said shaft, and a pawl mounted upon said block and adapted to engage the teeth of said ratchet nut.

1,485,753. GLASS MOSAIC. EMIL ZUNDEL, New York, N. Y. Filed Apr. 9, 1923. Serial No. 630,916. 2 Claims. (Cl. 91—72.)



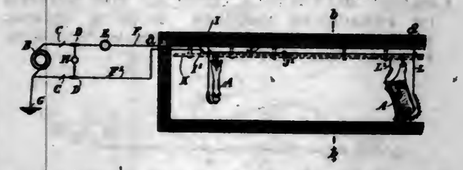
1. A glass mosaic having a roughened rear surface formed by burning thereinto a composition of glass, sand, flux and whiting.

1,485,754. CHIMNEY CONSTRUCTION. FRANCK E. ALBINI, Stockton, Calif. Filed Jan. 25, 1923. Serial No. 614,717. 2 Claims. (Cl. 98—3.)



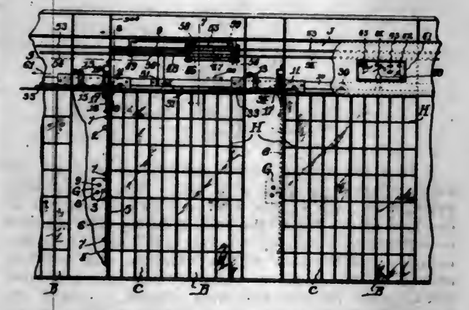
1. An exterior chimney structure comprising a vertical flue portion, laterals leading from the flue intermediate its ends, and open-ended ventilating flues connected intermediate their ends with the laterals, said ventilating flues sloping toward the main flue from bottom to top and terminating short of the top of said main flue, and a collar flaring outwardly from top to bottom fixed on top of the main flue, said collar being positioned to receive some of the air-draft rising through the ventilating flues.

1,485,755. ELECTRIC PROCESS FOR THAWING CARCASSES OF FROZEN MEAT AND THE LIKE. ALFRED UPTON ALCOCK, Melbourne, Victoria, Australia, assignor of one-half to Harry James Wagstaff, South Yarra, Victoria, Australia. Filed May 13, 1919. Serial No. 296,850. 3 Claims. (Cl. 175—265.)



1. The herein described method of thawing frozen carcasses which consists in subjecting the same to the thermal effect of an electric current whereby each carcass forms part of an electric circuit and is adapted to offer sufficient resistance to said current to raise the temperature of the carcass to normal, substantially as and for the purpose described.

1,485,756. HYDRAULIC JAIL-DOOR-LOCKING MECHANISM. JOHN ALLENSON, St. Paul, Minn., assignor to St. Paul Foundry Company, St. Paul, Minn., a Corporation. Filed June 12, 1919. Serial No. 303,756. 12 Claims. (Cl. 189—8.)



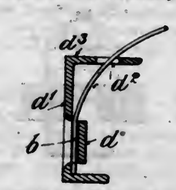
1. The combination in a door lock actuating device, of slidable doors, latch lugs on said doors, a locking bar for engaging said lugs to lock said door, a horizontal slidable cam for operating said locking bar into locking or unlocking position, fluid pressure devices connected in series to said slidable cam for operating said cam longitudinally and a master valve for controlling the operation of said fluid pressure devices to cause them to operate said horizontally slidable cam.

1,485,757. PROCESS FOR ANALYZING GASES, JULIUS ALSBERG and PAUL J. RALPH, Chicago, Ill.; said Ralph assignor to said Alsberg. Filed May 18, 1917. Serial No. 169,475. 5 Claims. (Cl. 23—3.)

4. The improved method of analyzing furnace gas which consists in introducing said gas into a rapidly flowing liquid that is capable of absorbing one of the constituents of said gas, thereafter separating the unabsorbed constituents of said gas from said liquid and utilizing the same to indicate the proportion said absorbed constituent bears thereto.

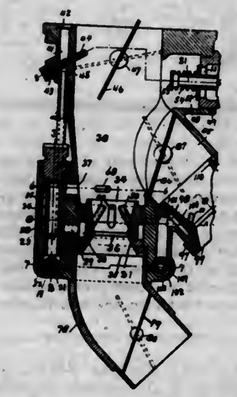
1,485,758. SPRING MATTRESS. EDWIN AMIES, London, England. Filed Aug. 16, 1921. Serial No. 492,756. 1 Claim. (Cl. 5—247.)

A spring mattress comprising a rectangular metallic frame formed of channel section members, inwardly projecting snugs formed on the vertical webs of said members, vertical pockets formed in said snugs, slots formed in the upper flanges of said members in line with the pockets in said snugs, and a plurality of longitudinal



and transverse resilient members formed by cutting off appropriate lengths of steel wire from a coil and having their ends inserted through the slots and within the pockets in the snugs, as set forth.

1,485,759. CARBURETOR. FREDERICK O. BALL, Detroit, Mich., assignor to Ball & Ball Carburetor Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 28, 1916. Serial No. 139,391. 17 Claims. (Cl. 261—41.)

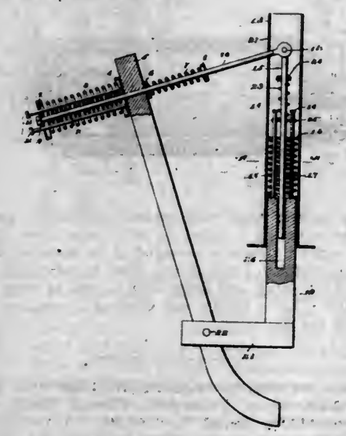


1. In a carburetor, the combination of a mixing chamber; an air passage forming a restriction leading to the mixing chamber; a spray delivering device leading to and delivering a spray of fuel and air to the restriction; a fuel conduit leading to and delivering fuel to the spray delivering device; means comprising a bypass leading from the mixing chamber to the spray delivering device for inducing a flow of fuel to the spray delivering device, the bypass having a capacity relatively to the spray delivery device making the mixing chamber pressures communicated through the bypass the dominant factor in the control of the flow of fuel from the conduit to the spray delivering device.

7. In a carburetor, the combination of a suction passage; a throttle valve in the suction passage; a spray delivering device leading to and delivering a spray of fuel and air to the suction passage nearer the intake than the throttle, said spray device comprising a well; a fuel conduit leading to the well, an air conduit leading to the well from a source having a higher pressure than the suction passage at the point of delivery of the spray device, said conduit having a capacity with relation to the spray delivering device to supply air for spraying the fuel from the well through the spray delivering device; and a bypass leading from the well to the suction passage at the discharge side of the throttle the bypass leading from a point in the well at approximately the same level as that part of the spray delivering device leading from the well to the suction passage, whereby the fuel delivered to the bypass is in the form of a spray making the influence of gravity on the fuel in the bypass negligible.

15. In a carburetor, the combination of a fuel chamber; means for maintaining a constant level therein; a suction passage having a restriction therein forming areas of varying pressures in the suction passage; a throttle nearer the discharge than is the restriction; a bypass from an area of greater pressure to a point of less pressure in the suction passage below the throttle; a branch in said bypass leading to above the throttle; a fuel connection between the fuel chamber and the bypass; and means for adjusting the level of the discharge of the fuel connection to the bypass.

1,485,760. TAIL-SKID CUSHION. JOSEPH G. BERGER, Dayton, Ohio. Filed Apr. 10, 1922. Serial No. 551,297. 5 Claims. (Cl. 244—2.)



4. In combination with a tail skid for aircraft, a hollow rudder post, a supporting bar therefor and adapted to slide therein, said supporting bar having a counterbored portion to receive a vertical sliding rod, a disc mounted interiorly of said rudder post to receive said vertical sliding rod and a plurality of vertical guide rods, an inner and outer compression coil spring within said rudder post and bearing against said disc and the upper end of said supporting bar, additional upper and lower discs on said guide rods and said sliding rod and guide rods respectively provided with a compression coil spring therebetween, said sliding rod being pivotally connected to a lateral extending rod passing through said tail skid, discs on either side of said tail skid, to receive a plurality of compression coil springs, springs disposed concentrically around said lateral rod and retained by means of discs mounted on said lateral rod.

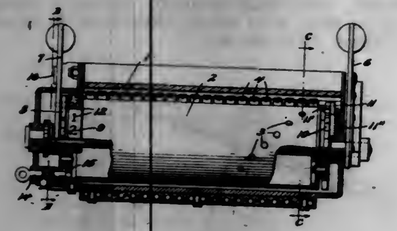
1,485,761. CLUTCH. CHARLES P. BREESE, Dayton, Ohio. Filed Dec. 3, 1920. Serial No. 428,122. 3 Claims. (Cl. 192—41.)



1. In a clutch, a driving shaft, a driven shaft in axial alinement with the driving shaft, an eccentric fast on the driven shaft having a working face of true circular for-

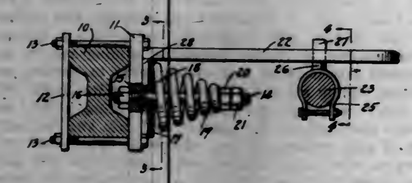
mation, an annular outer clutch member fast on the driving shaft and having an internal clutch face of true circular formation concentric with the axes of said shafts, an inner clutch member having a clutch face of true circular formation to coact with said internal clutch face and also having an eccentric opening therein in which said eccentric works, and means within said inner clutch member for effecting relative rotative movement between said inner clutch member and said eccentric to cause a clutching action between said outer and inner clutch members.

1,485,762. ELECTRIC BOMB-RACK CONTROL HANDLE. GARNET C. BROWN, Detroit, Mich. Filed Mar. 9, 1922. Serial No. 542,417. 6 Claims. (Cl. 244—1.)



1. An electric bomb rack control mechanism, embodying a drum having a spiral series of cam lobes, circuit-closing contact members arranged to be operated successively by said cam lobes as the drum is rotated, a train handle for turning said drum with a step by step movement, and a salvo handle for effecting a complete revolution of the drum.

1,485,763. STEERING-GEAR STABILIZER FOR AUTOMOBILES. NEIL S. CAMERON, Tacoma, Wash. Filed May 24, 1922. Serial No. 563,300. 1 Claim. (Cl. 280—94.)



In a stabilizer of the type described, the combination with an axle, a steering link extending in substantial parallelism with the axle and shiftable transversely, of a plate attached to the axle, a stud engaged in the plate and extended toward the steering link, a second plate abutting the first named plate and having a slot extending in a direction longitudinally of the axle and through which said stud extends, an arm formed on the last named plate extending to contact with and having a sliding pivotal connection with the link, a conoidal coil spring having the large end thereof abutting the plate surrounding said stud, an adjusting nut upon the stud and abutting the spring, and means carried by the first named plate limiting transverse movement of the second named plate thereon.

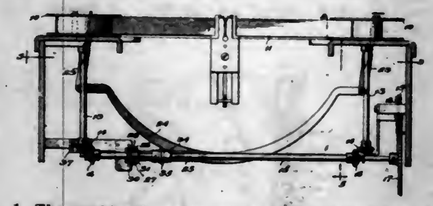
1,485,764. LOCK NUT. JOHN S. COLLINS, Tad, W. Va. Filed Jan. 27, 1923. Serial No. 615,345. 2 Claims. (Cl. 151—17.)

1. In combination, a bolt having oppositely threaded portions, nuts screwed onto said threaded portions, and an arch shaped washer located between the nuts and formed with lugs at its ends, one nut being formed with



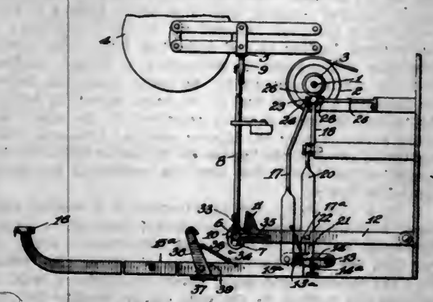
recesses receiving said lugs, the other nut having its face toward the washer formed with a rib, and the confronting side of the washer being grooved to receive said rib.

1,485,765. RIBBON-REVERSING MECHANISM. MANSFIELD C. CRAWLEY, Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1917. Serial No. 188,773. 13 Claims. (Cl. 197—165.)



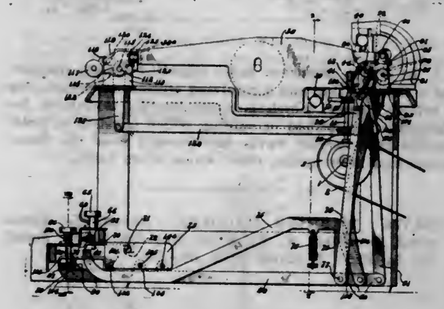
1. The combination of a pair of ribbon spools and two sets of gears for respectively driving said spools, two springs for normally holding either set of gears in mesh, means operated by the movement of the ribbon for reversing the tendency of one of said springs to cause it to neutralize the effect of the other spring and to cooperate with the thrust of the gears to reverse the tendency of the other spring and to thereby unmesh one set of gears and bring the other set of gears into engagement.

1,485,766. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1917, Serial No. 188,771. Renewed Apr. 16, 1923. 45 Claims. (Cl. 197—73.)



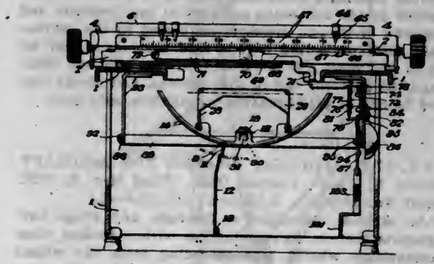
1. In a typewriting machine, a constantly-rotating power-driven shaft, a support movable to change case, mechanism for shifting said support and locking it in upper case position, means for connecting said support-shifting mechanism with said shaft, a pair of shift-controlling key levers each operable without moving the other to actuate said connecting means, and means whereby the support-shifting mechanism will be returned to normal position upon release of the key of one only of said levers, whereby the support always will remain in upper case position after depression and release of the key of the other lever and may return to normal position either after depression and release of the first key lever following an operation of said other lever or after release of the first key lever following a case-shift movement of the support effected by a depression of the key of said first key lever.

1,485,767. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed June 29, 1918, Serial No. 242,511. Renewed July 14, 1922. Serial No. 574,981. 41 Claims. (Cl. 197—177.)



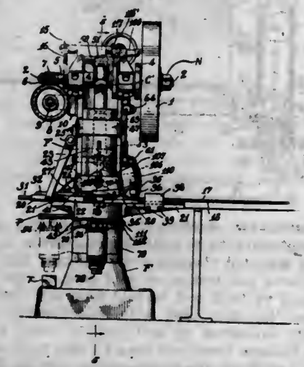
1. In a typewriting machine, the combination of a platen carriage, a denominational selector shiftably mounted on the carriage, key-controlled means, for shifting the selector relatively to the carriage in the direction of the letter-spacing movement thereof a distance equal to one or more letter spaces, a series of aligned stops supported independently of the carriage and adjustable relatively to each other longitudinally of the path of movement of the carriage, a second series of uniformly spaced stops arranged fixed distances apart longitudinally of the path of movement of the carriage, a key operatively connected to shift the first series of stops simultaneously into the path of movement of the denominational selector, independent key-operated means for selectively positioning either of the second series of stops in the path of the denominational selector, a rack supported independently of the carriage, and a carriage-arresting stop movable through the instrumentality of the denominational selector into engagement with the rack upon engagement of the selector with any stop of either series of stops.

1,485,768. TYPEWRITING MACHINE. MANSFIELD C. CRAWLEY, Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 5, 1922. Serial No. 592,525. 12 Claims. (Cl. 197—112.)



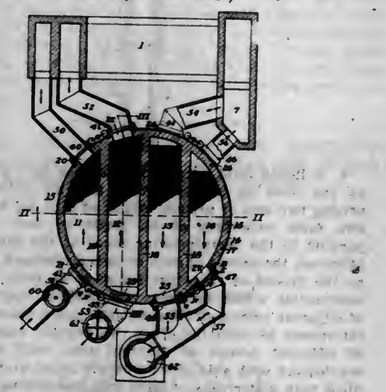
1. In a typewriter, the combination of type-carriers, a reciprocable type-carrier actuator, power means for reciprocating the actuator, type-carrier selecting means, keys for operating said selecting means, means operable by said selecting means controlling said power means to impart a single cycle of movement to said actuator, a traveling paper carriage, means for letter-spacing the carriage at the key strokes, and line-locking means controlled by the travel of the carriage for holding said power controlling means against operation by the type-carrier selecting means.

1,485,769. MACHINE FOR FEEDING, CUTTING, AND SEWING FABRICS. ALDO CURIONI, New York, N. Y., assignor to Maurice Levy, New Rochelle, N. Y. Filed Feb. 25, 1922. Serial No. 539,101. 18 Claims. (Cl. 164—21.)



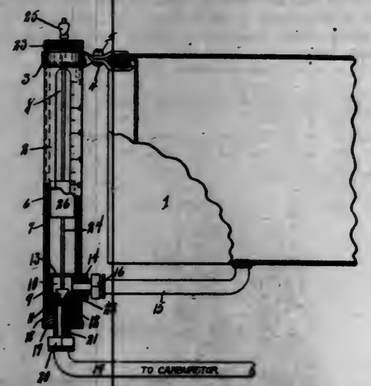
1. In combination, a support upon which superposed strips of fabric may be laid, punching mechanism adapted to punch out pieces from said strips of fabric, means for operating said punching mechanism, feeding means located in front of said punching mechanism and adapted to feed the strips of fabric thereto, clamping means located behind the said punching means and adapted to hold said strips of fabric, and means for operating the said clamping means so as to clamp the said strips of fabric while the punching means are being operated and while the feeding mechanism is inoperative.

1,485,770. REGENERATOR. BALTZAR E. L. DE MARÉ, Pittsburgh, Pa. Filed Mar. 20, 1922. Serial No. 545,131. 14 Claims. (Cl. 263—15.)



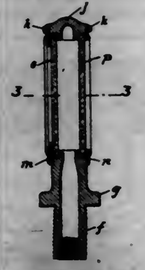
1. The combination with a furnace having uni-directional combustion, of a plurality of regenerators, and means for directing the air and combustion products alternately and in the same direction through the regenerators, including means for turning the regenerators bodily about a vertical axis to interchange the regenerators, substantially as described.

1,485,771. AUTOMOBILE FUEL-GAUGE CONTROL. RALPH B. DOWLER, Fort Worth, Tex. Filed July 24, 1923. Serial No. 653,433. 3 Claims. (Cl. 158—46.5.)



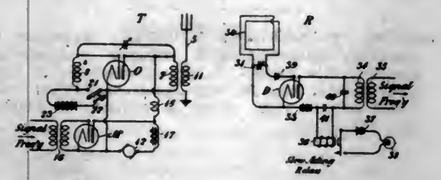
1. A gauge for gasoline tanks comprising a metallic casing provided with a vertical slot therein, a feed passage plug mounted therein, a transparent tube mounted in said casing and resting on said plug, a pipe connected to the gasoline tank and to said plug and forming communication for said tank with said tube, a feed pipe operatively connected to said plug, a valve adapted to close the passage from said plug to said feed pipe, and a float for controlling the movement of said valve and permitting said valve to close the feed passage at a predetermined measurement of gasoline.

1,485,772. LIQUID-LEVEL GAUGE. FRANCIS I. DU PONT, Wilmington, Del., assignor to Delaware Chemical Engineering Company, Wilmington, Del., a Corporation of Delaware. Filed July 21, 1923. Serial No. 652,921. 5 Claims. (Cl. 116—118.)



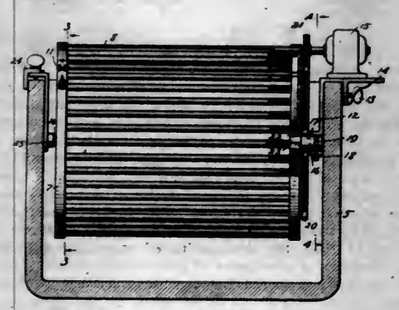
4. A liquid level gauge comprising a pipe which opens at the level to be registered; and an indicator comprising two sets of prisms, prisms of each set having each two faces extending at an angle to each other and parallel to the corresponding faces of the prisms of the other set, the prisms of each set being arranged alternately to the prisms of the other set so as to leave a space of substantial width between two parallel opposing faces of adjacent prisms of different sets, and a colored medium interposed between the other two parallel opposing faces of adjacent prisms of different sets, said spaces communicating with said pipe; whereby when said spaces are filled with water rays of light will pass through both sets of prisms and the water contained in said spaces, while when the water escapes, due to the level falling below the lower end of the pipe, rays of light passing through the prisms will be reflected from the faces of prisms adjacent said spaces and through the colored medium so as to produce a colored effect to an eye in line with the reflected rays.

1,485,773. RADIO CALLING OR SIGNALING. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 12, 1921. Serial No. 500,034. 6 Claims. (Cl. 250—2.)



1. In a high frequency radio signaling system comprising a transmitting and a receiving station and employing a carrier current which is approximately modulated for signaling, the method of calling, which consists in sending the pure carrier waves continuously from the transmitter and interrupting these waves when calling.

1,485,774. WASHING MACHINE. ERNEST L. ETHERIDGE, Brooklyn, N. Y. Filed May 18, 1922. Serial No. 561,926. 1 Claim. (Cl. 68—18.)

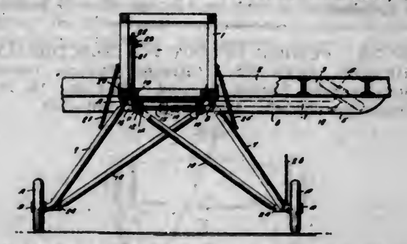


In a washing machine, brackets adapted for attachment to opposite sides of a tub and having portions depending into said tub, the depending portion of one of said brackets having a laterally extending bearing sleeve, a shaft having one end mounted in said sleeve and its other end projecting beyond the same, the portion of the shaft within said bearing having an annular groove, means extending through said bearing and engageable in said groove to prevent longitudinal movement of the shaft within said sleeve, said means being removable to permit of detaching the shaft from said bearing, a rotatable body supported by the depending portions of said brackets and having one of its end members connected to the portion of said shaft projecting beyond said bearing, a gear secured to said shaft and interposed between said end member and the adjacent end of said bearing, and means supported by one of said brackets for rotating said gear.

1,485,775. FOLDING CHASSIS FOR AIRCRAFT. ELISHA N. FALES, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,421. 3 Claims. (Cl. 244—2.)

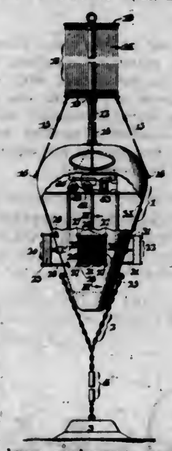
3. An aircraft embodying a fuselage, and wings having pockets therein, in combination with a folding chassis comprising wheels, legs extending from the wheels to the fuselage and pivoted to the latter to swing laterally, struts having a jointed connection with the legs and fuselage and having a slidable connection at one end, manually-operable means for swinging the legs and struts to house the wheels in said pockets in the wings

or move them to their supporting positions, and means for locking and releasing said slidable connection, the



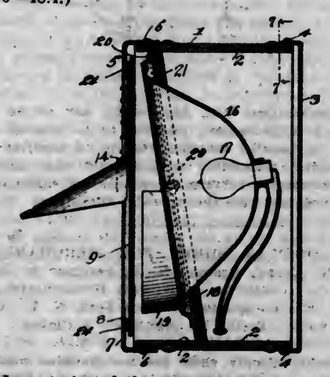
wings having fairings which streamline in said legs and struts when the wheels are housed in their pockets in the wings.

1,485,776. MARINE SIGNALING APPARATUS. JOHN K. M. HARRISON, Ogontz, Pa. Filed Jan. 3, 1920. Serial No. 349,344. 7 Claims. (Cl. 250—17.)



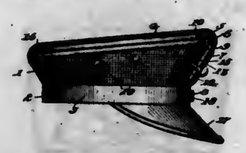
5. A signaling buoy equipment comprising a galvanic battery with pole elements exposed to the sea water as electrolyte, and means for emitting radio signals operated by power from said battery.

1,485,777. MOTOR-VEHICLE DEFLECTOR DEVICE. CHARLES A. HARTMANN, San Antonio, Tex. Filed Dec. 28, 1922. Serial No. 609,442. 6 Claims. (Cl. 240—48.4.)



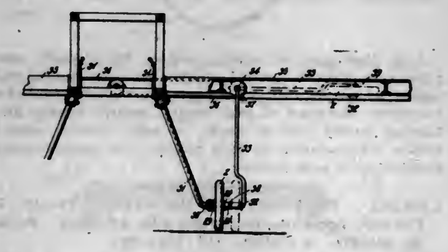
1. In a device of the class described, the combination of a casing, an inclined reflector in said casing, and an auxiliary reflector secured to said first-mentioned reflector and extending forwardly therefrom and partially about the same.

1,485,778. CAP-CROWN SUPPORT. CHARLES J. HOLZENTHALER, New York, N. Y. Filed Nov. 21, 1923. Serial No. 676,056. 3 Claims. (Cl. 2—108.)



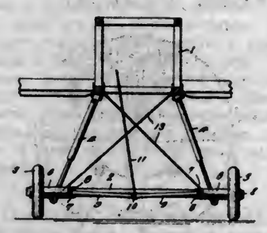
1. In a cap of the character described, the combination with a crown of flexible material, of a rigid supporting member arranged inside of the front portion of said crown, an insignia plate on the outside of said front portion of the crown, and means for clamping said insignia plate to said supporting member.

1,485,779. FOLDING CHASSIS FOR AIRCRAFT. ELISHA N. FALES, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,422. 11 Claims. (Cl. 244—2.)



3. In aircraft, the combination of a fuselage, wings extending therefrom and having pockets in the underside thereof, a chassis embodying frame members, wheels normally journaled thereon but detachable therefrom, means operable while the aircraft is in flight for transferring said wheels from the chassis frame into said pockets in the wings and restoring said wheels to their useful positions, said means comprising pivotally mounted wheel-transferring arms, operating means for said arms, and means for effecting the removal of said wheels from the chassis frame members to the transferring arms and vice versa.

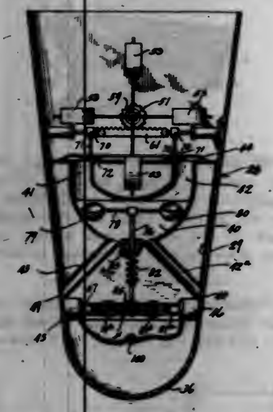
1,485,780. FOLDING CHASSIS FOR AIRCRAFT. ELISHA N. FALES, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,423. 6 Claims. (Cl. 244—2.)



5. In aircraft, the combination of a fuselage, and a folding chassis embodying an axle, movable upwardly against the fuselage, wheels slidable on said axle, and foldable legs for supporting the fuselage in relation to

the axle, the wheels being adapted to slide inwardly on the axle as the latter is moved against the fuselage, and means for thrusting said wheels outwardly toward the ends of the axle when the axle is lowered.

1,485,781. AERODYNAMIC STABILIZER FOR AIRCRAFT. WILLIAM SHAW FERDON, Brownlee, Nebr. Filed Oct. 22, 1921. Serial No. 509,646. 11 Claims. (Cl. 249—29.)



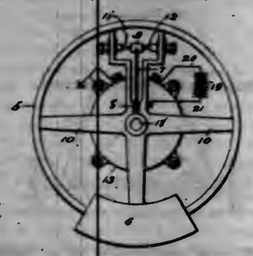
1. A directional stabilizing system for aircraft comprising an electric control system for operation of the rudder of an aircraft, aerodynamic actuated means for automatic operation of said electric control system, and limiting safety switch means in said electric control system for operation by said rudder at a predetermined positioning of said rudder.

1,485,782. PERFORATING MACHINE. PHILIP J. FISCHER, Scranton, Pa. Filed Feb. 16, 1923. Serial No. 619,454. 6 Claims. (Cl. 164—99.)



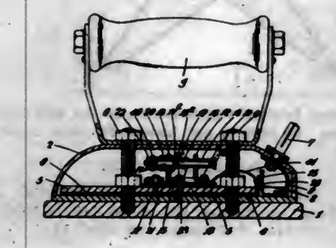
1. In a perforating machine, a shaft having a pair of spaced wheels thereon, a main perforated tubular drum, the wheels engaging in the ends of the main drum, so as to support the latter, punches extending through the drum perforations and having heads disposed interiorly of the drum, and a tubular liner drum in the main drum engaging the punch heads and having its ends abutting the inner faces of the wheels so as to be held against axial movement thereby.

1,485,783. VERTICAL STABILIZER. GRANDISON GARDNER, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,665. 3 Claims. (Cl. 244—29.)



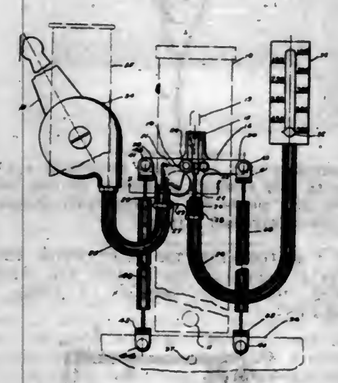
1. In a vertical stabilizer, a pendulum, a magnetic clutch adapted when energized to lock the pendulum against movement, a resilient arm on the pendulum, electrical contacts on said arm and pendulum, and an electric circuit in which said contact and magnetic clutch are included.

1,485,784. FUSIBLE CUT-OUT FOR ELECTRICALLY-HEATED ARTICLES. CHARLES EDWARD IREDELL, Regents Park, London, England. Filed July 19, 1923. Serial No. 652,543. 4 Claims. (Cl. 200—142.)



1. A fusible cut-out of the class described comprising a pair of coaxially extending members having their adjacent ends normally in contact with each other, supports for said members, a collar on one of said supports through which the movable member loosely extends, a fusible plug on the movable member between its inner end and the collar, and means for separating said members when the plug is fused.

1,485,785. COMPENSATING SIGHTING INSTRUMENT. ROBERT KAUCH, Dayton, Ohio. Filed May 13, 1922. Serial No. 560,701. 5 Claims. (Cl. 244—1.)

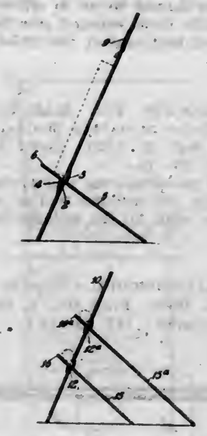


5. The combination with the rudder bar of an aircraft, of a pivoted bracket adapted to be rotated and maintained in parallel relation thereto, a sighting device, mechanism connecting said bracket and sighting device and means for varying the position of said mechanism in accordance with the range of the target.

1,485,786. DISPLAY SHELF FOR MERCHANDISE. JOSEPH G. KRAFT, Orange, N. J., assignor to T. V. Kraft & Co. (consisting of William Hussennetter and Joseph G. Kraft, copartners), New York, N. Y. Filed Oct. 16, 1923. Serial No. 668,815. 4 Claims. (Cl. 211—24.)

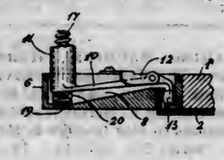
1. A portable display shelf for merchandise comprising a front plate member provided with a horizontal closed slot located substantially centrally of its width.

a separately formed supporting plate member arranged to extend through said slot to form a shelf portion in front of the front plate member and a brace member at the rear of the same, said members being in substan-



tially perpendicular relation to each other when in set position, and means predetermining the extent which said shelf portion projects from the front of said front plate member.

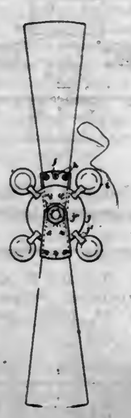
1,485,787. T-SQUARE GUIDE. FRANZ KÜTTEL, Lucerne, Switzerland. Filed Mar. 26, 1923. Serial No. 627,747. 1 Claim. (Cl. 33—76.)



In a T-square guide for drawing boards, the combination, with an angle-shaped guide-plate attached to the underside of the drawing board and parallel to one working edge thereof, and a longitudinally slotted and centrally recessed back-square which forms part of the T-square and is slidably mounted in the guide-plate, of a clamping device for securing the back-square in any position within the guide-plate, the said clamping device comprising an arm pivotally mounted in the recessed part of the back-square, a handle formed at one end of the arm, a clamping member fashioned at the other end of the arm and abutting against the inner side of the vertical member of the guide-plate, and a spring also mounted within the aforesaid recessed part and tending to press against the handle end of the arm and causing the clamping member to tightly engage the said vertical member of the guide-plate, all as and for the purpose set forth.

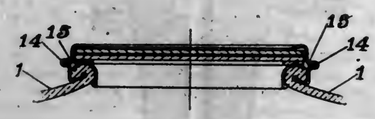
1,485,788. AIRCRAFT PROPELLER. OTTO LAMWERS, Paterson, N. J. Filed May 25, 1922. Serial No. 563,496. 13 Claims. (Cl. 170—165.)

1. An aircraft propeller having one blade and a counter-balance offset longitudinally of the axis of rotation relatively to the blade, said propeller having, except for the blade and the offset counterbalance, a substantially



clear space bounded by the separate circular paths in which the blade and the counterbalance respectively rotate.

1,485,789. EYEPIECE FRAME. FRANK A. LOGAN, Edgewood, Md., assignor to Mine Safety Appliances Co., Pittsburgh, Pa. Filed Jan. 8, 1923. Serial No. 611,449. 5 Claims. (Cl. 2—149.)



1. In an eye-piece frame for gas masks and the like, a retaining ring having an end beaded and an annular pocket formed by an inturned portion of the ring adjacent to said bead and the unbeaded portion adjacent to the inturned portion for receiving the fabric to be secured to said eye-piece, an inner ring beaded at an end and having the other end turned outwardly and projecting into said pocket of said retaining ring, said beads cooperating with each other to retain the fabric of the gas mask and the like secured between said rings.

1,485,790. DYE SOLUTION AND PROCESS FOR MAKING AND UTILIZING SAME. KARL LÜTTIN, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a Corporation of Switzerland. Filed June 26, 1922. Serial No. 571,098. 12 Claims. (Cl. 8—6.)

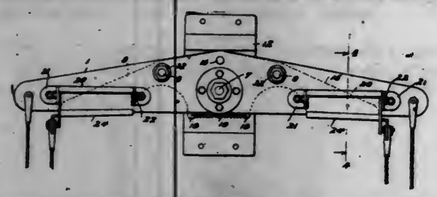
1. As a new article of manufacture, a new dye solution containing at least one chloracetic acid.

9. The herein described process for producing dyeings and printings on textile fabrics, paper, straw, leather, wood, feathers, furs, artificial substances etc. consisting in applying on the said merchandises, at ordinary temperature, a dye solution containing at least one chloracetic acid.

1,485,791. AUTOMATIC LOCKING DEVICE FOR AIRPLANE RUDDER BARS. ERNEST G. MCCAULEY, Dayton, Ohio. Filed May 13, 1922. Serial No. 560,751. 7 Claims. (Cl. 244—29.)

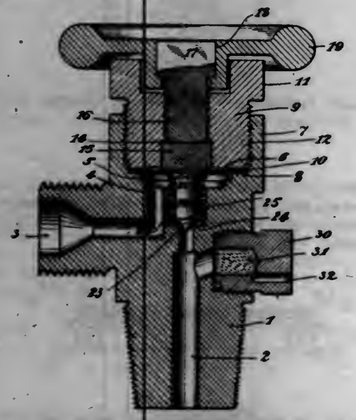
1. For use in an aircraft, a rudder bar, means for automatically locking said rudder bar comprising a stationary ratchet, opposing clutch levers, each pivotally

mounted on said rudder bar, and means for interconnecting said clutch levers, said clutch levers being free to



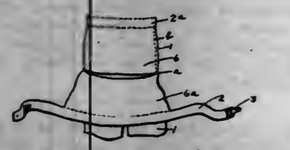
actuate while thus connected for engaging or disengaging said ratchet, when pressure is applied to one of the said clutch levers.

1,485,792. VALVE. WILLIAM F. MCKAY, Newark, N. J., assignor to International Oxygen Company, Newark, N. J. Filed Apr. 11, 1923. Serial No. 631,255. 3 Claims. (Cl. 251—11.)



1. A valve having a valve chamber formed with inlet and outlet openings, and one wall of said chamber being an imperforate diaphragm opposite and co-axial with one of said openings; a valve element including a cone portion engaging in the latter opening, and having a broad base portion abutting against but unattached to the diaphragm; and means for centering and retracting said valve element including a helical spring, the interior of which approximately fits the exterior of the valve stem and the exterior of which approximately fits a cylindrical recess between the valve seat and the valve chamber, in combination with means for operating the valve element including external means for forcing the diaphragm inward against the pressure of said spring.

1,485,793. UNDERGARMENT. THOMAS JEFFERSON MCKEE, Waco, Tex. Filed Oct. 17, 1922. Serial No. 595,062. 1 Claim. (Cl. 2—144.)

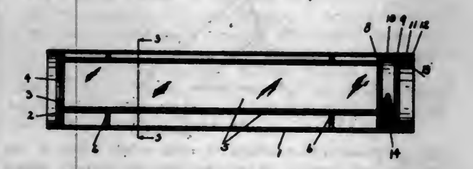


A union garment having an inner rear flap depending from the waist line thereof and stitched along one side to the garment, an outer rear flap secured to the garment at points adjacent to the inner flap, and an elastic belt secured to the free upper edge of the outer flap and having fastening means at its ends, said inner and rear flaps being formed and having their inner faces free of connection to allow the rear tail of an outer shirt to be received therebetween, and said belt encircling the entire waistline of the garment so as to exert tension on the outer shirt throughout the waistline thereof and having its ends formed so as to allow the front tails of the outer shirt to be engaged over the outer face of the garment and held against the latter by the tension of the belt.

1,485,794. PROCESS FOR MAKING LEAD SULPHATE. PHILIP ALEXANDER MACKAY, London, England. Filed Sept. 28, 1920. Serial No. 413,418. 13 Claims. (Cl. 23—13.)

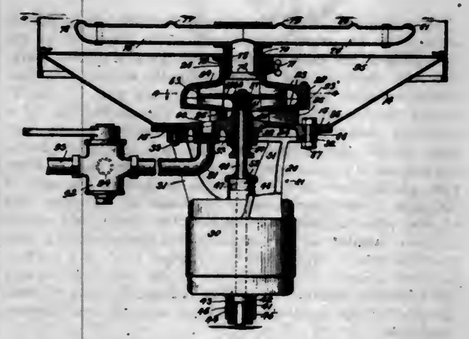
1. Method of manufacturing lead sulphate from metallic lead, wherein the metallic lead is subjected to the action of oleum until all the metallic lead is converted into sulphate.

1,485,795. KALEIDOSCOPE. CHARLES A. MALLERNEE, Battle Creek, Mich. Filed Oct. 4, 1921. Serial No. 505,412. 4 Claims. (Cl. 88—15.)



1. In a kaleidoscope, the combination of an outer case, triangularly disposed mirrors supported by disks having triangular openings within the outer walls of the said case, an eye piece at one end, an object supporting compartment formed between separated disks of glass of the full size of the said case retained by suitable rings, and an annular reflector with inner cylindrical surface disposed within the projecting end of the case having an inner cylindrical reflecting wall, as specified.

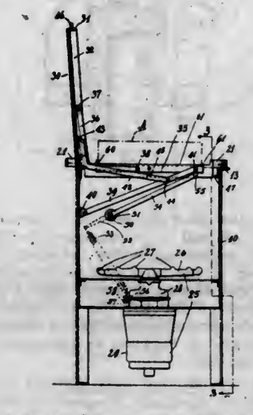
1,485,796. WASHING MACHINE. HERBERT E. MERSELES and HENRY R. MERSELES, Bronxville, CHARLES F. SIMMONS, New Rochelle, and PAUL H. ENGEL, New York, N. Y.; said Henry R. Merseles, said Simmons, and said Engel assignors to said Herbert E. Merseles. Filed May 5, 1921. Serial No. 467,046. 18 Claims. (Cl. 141—9.)



1. In combination with a receptacle having an opening in its bottom, a dish washing unit including dish washing mechanism and automotive actuating mechanism therefor, and comprising a rotary member including a part of the dish washing mechanism and a part of the actuating mechanism and a single rigid shaft on which

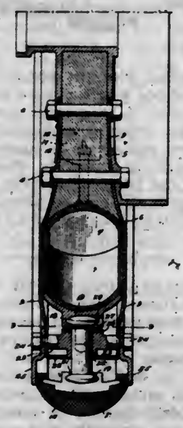
both said parts are mounted, and a single rigid non-rotary frame formed to provide supporting bearings for said rotary member and to provide a closure for the opening in the receptacle.

1,485,797. WASHING APPARATUS. HERBERT E. MERSELES, Bronxville, N. Y. Filed June 18, 1921. Serial No. 478,492. 8 Claims. (Cl. 141—9.)



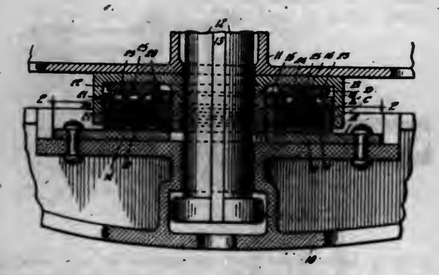
1. Washing apparatus, comprising the combination of a tank open at the top, a cover for said opening, washing mechanism adapted to direct a washing medium against articles placed in washing position in the tank, a substantially vertically movable support in the tank for articles to be washed, connecting mechanism between the support and the cover adapted to lower the support when the cover is closed and to raise the support to the top of the tank when the cover is opened, means for arresting upward movement of the support when its article-supporting surface is substantially at the level of the top edge of the tank, and means for arresting downward movement of the support when the articles reach washing position.

1,485,798. ROAD WHEEL. JOHN MILLAR, Arlington, N. J. Filed July 9, 1921. Serial No. 483,406. 1 Claim. (Cl. 152—29.)



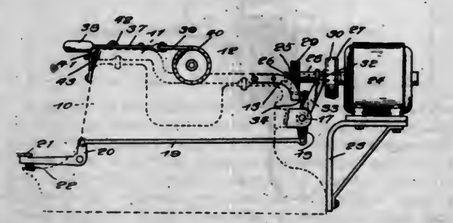
A road wheel comprising: cheeks composing the body of the wheel, a cushion located between said cheeks and remote from the periphery of the wheel, an abutment member against which the cushion acts, a plurality of guides located between the cheeks, extensions on said guides passing through the cheeks and bolted thereto, annular guide members carried by the cheeks, a plurality of outer segmental members having sockets on their inner faces, a tread carried by the outer segmental members between the annular guides, a plurality of inner segmental members, bearing against the cushion between the cheeks, having sockets, and a plurality of extensible thrust members passing through said guides and having heads in engagement with the sockets of the inner and outer segmental members.

1,485,799. CENTER BEARING FOR CARS. WILLIAM H. MINER, Chazy, N. Y. Filed Nov. 12, 1921. Serial No. 514,443. 5 Claims. (Cl. 64—84.)



5. In a center bearing for railway cars having body and truck bolsters, the combination with a lower annular plate of L-cross-section secured to the truck bolster; of an annular member of channel-cross-section loosely supported on top of said plate; a series of relatively thin, finished annular plates seated within said channel-cross-section member and adapted to be immersed within oil contained by said member; an annular pressure-transmitting upper plate telescoped within said channel-section member; and an upper annular member of inverted channel cross-section and having the web section thereof seated upon said pressure-transmitting member and the circular flanges thereof telescoping downwardly over the first named member of channel-cross-section to thereby provide a dust-guard for the elements of the bearing.

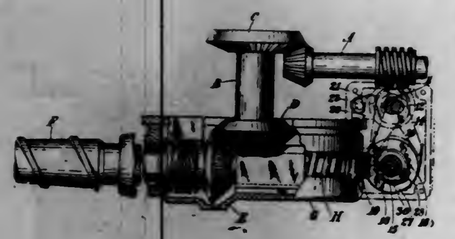
1,485,800. TYPEWRITER. JOSEPH W. MOORE, Oberlin, La., assignor of one-half to Ripley G. Corkern, Oberlin, La. Filed Apr. 7, 1923. Serial No. 630,518. 2 Claims. (Cl. 197—66.)



1. In combination with a typewriter having a shiftable carriage embodying a notch bar, a motor rigidly secured to the typewriter frame and having a shaft extending over the notch bar, a sleeve rotatably mounted upon the shaft and provided upon one end with a gear

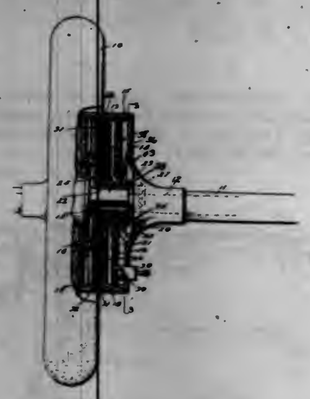
engaging the teeth of the notch bar upon the opposite end thereof with one element of the friction clutch, a second element of the friction clutch secured to said shaft, said sleeve having a groove therein, shiftable arms having pins thereon engaged in the groove at diametrically opposed points and key operated means for shifting said arms to move said sleeve in a direction bringing the clutch elements into engagement.

1,485,801. COAL CUTTER. MATTHEW SMITH MOORE and HERBERT JUBB, London, England, assignors to Cowlishaw, Walker & Company (1920) Limited, London, England, a British Company. Filed May 26, 1922. Serial No. 563,970. 5 Claims. (Cl. 262—25.)



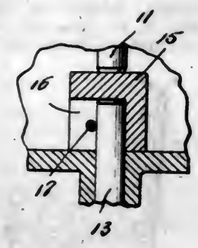
4. In a coal-cutter, the combination with a driving shaft and a second shaft to be driven thereby, of a ratchet wheel arranged to drive the said second shaft, two oppositely directed pawls eccentrically mounted on said driving shaft and arranged to cooperate each with the ratchet wheel, and a pawl-controlling member rotatably mounted co-axially with the ratchet wheel and extending between the two pawls and arranged to lift either or both of them from engagement with the ratchet wheel.

1,485,802. BRAKE MECHANISM. FREDERICK H. MORGAN, Fairfield, Ill. Filed June 4, 1921. Serial No. 475,020. 15 Claims. (Cl. 188—91.)



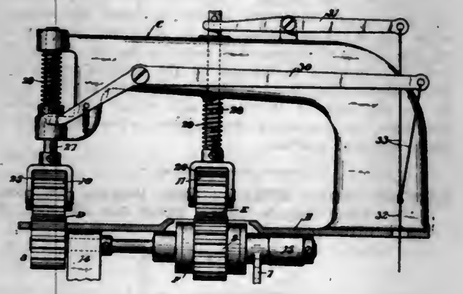
1. A brake mechanism of the class described comprising in combination, a wheel, a ring gear, means for connecting said ring gear for rotation with said wheel and hydraulic means associated with said ring gear whereby its rotative movement may be retarded.

1,485,803. FILLER BLOCK FOR CONVERTIBLE INTERNAL-COMBUSTION ENGINES. MARCUS W. MOUNT, Jr., and DONALD MOUNT, Memphis, Mo. Filed Sept. 8, 1922. Serial No. 586,839. 1 Claim. (Cl. 123—198.)



A device of the character described comprising a rectangular body adapted to be arranged on the lift rod of an internal combustion engine valve and adapted to engage the stem of the valve and provided with a kerf opened at the side thereof to permit sliding of the block laterally onto or off the lift rod to render the valve either operative or inoperative, and a transversely removable pin carried by the block to detachably fasten the latter to the lift rod.

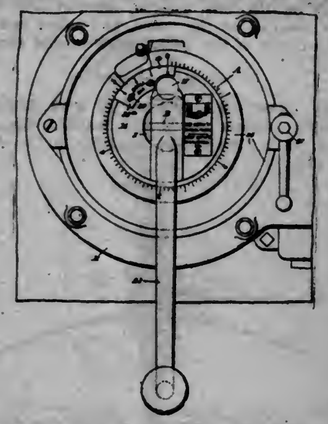
1,485,804. PULLING MACHINE. CHARLES J. NEDDERSEN, Oakland, Calif., assignor of one-half to Sigmund Kirschberg, San Francisco, Calif. Filed Aug. 15, 1922. Serial No. 581,922. 6 Claims. (Cl. 112—203.)



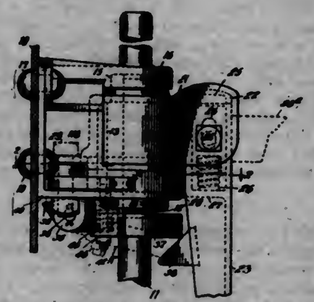
1. The combination with the sewing mechanism on a sewing machine, of two separate pairs of devices for gripping the fabric after it has passed through the sewing mechanism at two separate horizontally spaced points behind the needles, and means to operate said gripping means intermittently in unison to effect a double, side by side, pull on the fabric to prevent bunching of the fabric between the needle and the throat of the machine and thereby effect the production of a regular or straight seam.

1,485,805. COMPENSATING DEPTH GAUGE. HENRY M. NORRIS, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 13, 1923. Serial No. 624,761. 4 Claims. (Cl. 77—33.)

1. A machine for drilling holes of various diameters comprising a main scale graduated proportionally to the advance of the drill-spindle; an auxiliary cooperating scale graduated proportionally to various diameters of drills, the ratio between the auxiliary scale and the main scale being in proportion to a function of the angle made by the cutting edge of the drill with its axis; a clutch; manual means for opening said clutch to advance the drill-point into contact with the work; means for shifting the said scales into any desired coincidence; and an automatic throw-out for the clutch having its action determined by the adjusted relation of the said scales.



1,485,806. BRAKE FOR RAILWAY CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chasy, N. Y. Filed Jan. 23, 1920. Serial No. 353,417. 12 Claims. (Cl. 74—115.)



1. In a hand brake for railway cars having a brake chain and a rotatable member for tensioning the brake chain, the combination with means for effecting rotation of said member to tension the chain, including an operating element therefor having movement about the axis of said rotatable member and being movable at right angles thereto to operative and in-operative positions; of automatically controlled means for normally locking said member against reverse rotation and adapted to be manually operated to release said member; means cooperable with said locking means to retain the latter in released position when manually so positioned; and means co-acting with the operating element for rendering said retaining means ineffective when said operating element is displaced from its inoperative position.

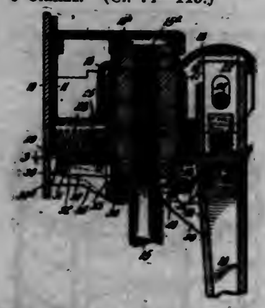
1,485,807. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chasy, N. Y. Filed Dec. 27, 1921. Serial No. 525,014. 7 Claims. (Cl. 64—64.)

1. In an anti-friction bearing, the combination with a base member having a bearing surface; of a pair of spaced rolling anti-friction elements on said bearing surface; a bridge plate supported on said elements and adapted to roll back and forth thereon and therewith; a supplemental anti-friction element supported on said bridge plate and adapted to roll thereon, said last named anti-friction element having its effective top bearing



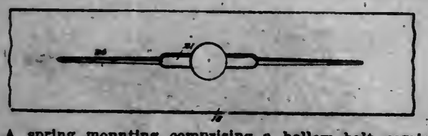
surface located above the bridge plate and thereby adapted to cooperate with an opposed bearing surface; and means for limiting the rolling movement of said anti-friction elements.

1,485,808. HAND BRAKE FOR RAILWAY CARS. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chasy, N. Y. Filed Mar. 6, 1922. Serial No. 541,313. 6 Claims. (Cl. 74—115.)



1. In a hand brake for railway cars, the combination with a vertical brake staff having a ratchet wheel thereon; of a pawl-carrying pivotally mounted operating handle cooperable with said ratchet wheel to effect rotation thereof, said handle having a horizontal operative position and a depending vertical inoperative position; a spring-controlled locking dog cooperable with said ratchet wheel to hold the staff against reverse rotation; a latch arranged to cooperate with said dog when it is in inoperative position to hold said dog in such position; and cooperable means on the latch and handle for actuating the latch to inoperative position with respect to the dog when the handle is moved from inoperative position.

1,485,809. REAR-SPRING MOUNTING. VICTOR W. PAGE, New York, N. Y. Original application filed June 18, 1921, Serial No. 478,527. Divided and this application filed Feb. 7, 1922. Serial No. 534,774. 1 Claim. (Cl. 267—50.)



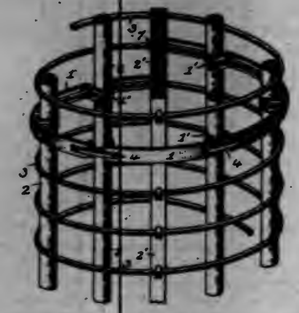
A spring mounting comprising a hollow bolt carried by a vehicle frame, said hollow bolt having diametrically opposed openings, a lubricant vehicle carried within said hollow bolt, a bearing member surrounding said hollow bolt and having passages adapted to register with the diametrically opposed openings in the hollow bolt, a spring secured to said bearing, a second hollow bolt, said second hollow bolt passing through said spring and having its passage in alinement with the openings in the bearing, and a lubricant receptacle carried by said bearing member and adapted to discharge its contents through the said hollow bolts and their openings to the said spring.

1,485,810. IMITATION MARBLE AND METHOD OF MAKING SAME. HERBERT L. PARKER, JR., and WILLIAM W. NIVIN, St. Louis, Mo., assignors to H. L. Parker Jr. & Company, St. Louis, Mo., a Corporation of Missouri. Filed May 31, 1923. Serial No. 642,715. 11 Claims. (Cl. 18—188.)



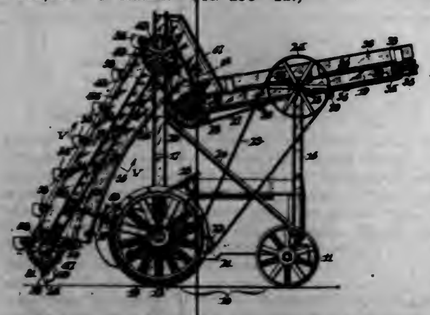
1. The method of producing imitation marble which includes applying a mixture of cement and metallic colors to a suitable base in a desired design, allowing the same to set partially, applying a coat of ground colored cement sufficient to completely cover the design and allowing the same to set partially, and then troweling the surface until the design is worked through to the extent desired.

1,485,811. COLUMN BAR SPACER. OSCAR W. PEDERSON, Chicago, Ill. Filed May 26, 1922. Serial No. 563,947. 4 Claims. (Cl. 72—76.)



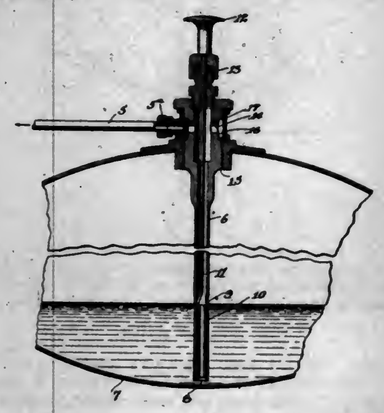
1. The combination with a concrete column reinforce composed of a spiral rod formation and a plurality of rods arranged longitudinally in the interior thereof, of a spacing band adapted to encircle and have peripheral engagement with a convolution of said spiral formation and spacing engagement with the plurality of longitudinal rods aforesaid by means of a plurality of loops in the length of the spacing band.

1,485,812. LOADING MACHINERY. CHARLES G. PFEIFFER, Philadelphia, Pa., assignor to Specialty Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 22, 1922. Serial No. 562,604. 8 Claims. (Cl. 198—12.)



1. The combination with a commercially available form of gasoline tractor including a forward transverse frame member and a rear axle housing, of a rigid frame structure including spaced vertical strut members, one adapted to be supported on the said transverse frame member and the other on the axle housing, elevator and conveyor elements mounted on the frame, and means operable by the prime mover of the tractor to drive said elements.

1,485,813. VACUUM APPARATUS FOR SUPPLYING LIQUIDS. GEORGE A. PURDY, Seattle, Wash. Filed July 2, 1919. Serial No. 308,103. 6 Claims. (Cl. 158—46.5.)



1. The combination with a fuel tank, of a delivery conduit leading therefrom to a motor, a tubular member extending into said tank and formed with an open end disposed adjacent the bottom of said tank and a port spaced from said open end, an open-ended tube fitting snugly within said tubular member between the end thereof and said port, means operable from without said tank for sliding said tube over said port to cause the flow of fuel from said tank to said delivery tube only through the open ends of said tubular member and tube.

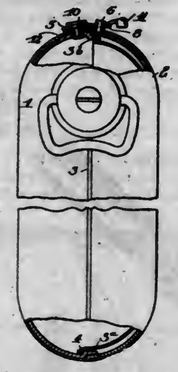
1,485,814. DYESTUFFS CAPABLE OF BEING CHROMED AND PROCESS OF MAKING SAME. EMIL RENER, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Feb. 5, 1923. Serial No. 617,174. 4 Claims. (Cl. 260—22.)

3. The herein described new dyestuffs resulting from coupling, in the presence of calcium hydroxide, of 1-amino-5-oxynaphthalene-7-sulfonic acid with the diazo-compounds derived from 2-amino-1-phenol containing one nitro group in another position than in 3 and 5, corresponding with the general formula R—N=N—R', wherein R signifies a 2-amino-1-phenol radical containing one nitro group in another position than in 3 and 5, and R' a 1-amino-5-oxynaphthalene-7-sulfonic acid radical, which constitute blackish powders dissolving in water with violet blue to blue colorations, and in sulfuric acid with violet red to bluish red colorations and dye wool violet brown to dark blue tints which become more or less greenish to bluish deep black when subsequently chromed.

1,485,815. LATCH FOR CAMERAS. JOHN A. ROBERTSON, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,120. 1 Claim. (Cl. 292—147.)

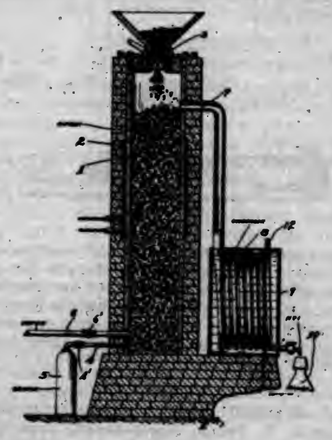
The combination with a camera body and a back cooperating therewith, of a latch for releasably securing said parts together comprising a catch on one part, spaced guide pins on the other, a sliding bolt movable on the guide pins and adapted to engage the catch, and a

washer plate beneath the bolt consisting of a plate having spaced apertures through which the guide pins pass,



said apertures being spaced apart a distance slightly greater than that between the guide pins to cause the plate to bow and exert a frictional tension on the bolt.

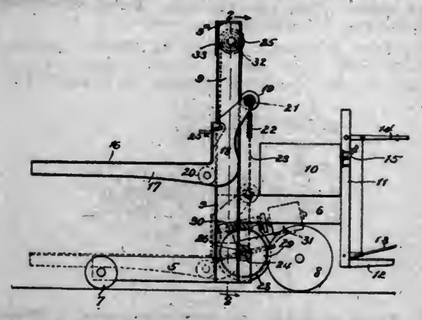
1,485,816. PROCESS FOR THE PRODUCTION OF HYDROCHLORIC ACID DIRECT FROM CHLORINE. LUDWIG ROSENSTEIN, San Francisco, Calif., assignor to Great Western Electro Chemical Company, San Francisco, Calif., a Corporation of California. Filed Aug. 1, 1921. Serial No. 488,759. 1 Claim. (Cl. 23—1.)



A method of producing hydrochloric acid and controlling the temperature during such process, which consists in passing chlorine through a mass of carbon heated to reacting temperature and introducing a sufficient volume of water to absorb the heat of reaction to such an extent as to keep the mass at the proper reaction temperature and below a temperature destructive to the furnace.

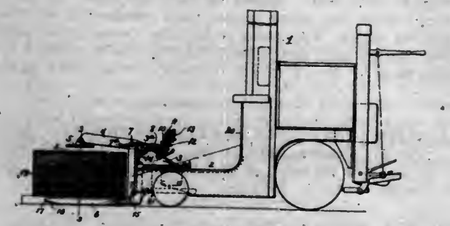
1,485,817. INDUSTRIAL TRUCK. CHARLES S. SCHROEDER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Jan. 18, 1921, Serial No. 438,084. Renewed Oct. 24, 1923. 6 Claims. (Cl. 187—11.)

1. In a self propelled elevating truck, the combination of a frame having an operator's platform, storage battery and motor at one end thereof, vertical guides on said frame located intermediate the ends of the said frame, a movable platform located on the frame at the opposite end thereof, the said movable platform having



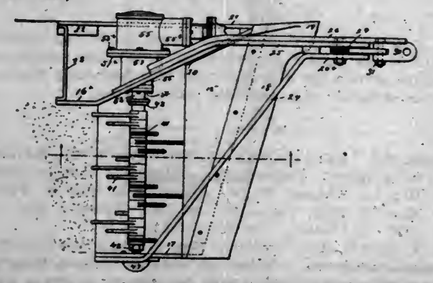
extensions at one end, the said extensions having bearing against said guides at the front and rear of the latter, and flexible means the two ends of which are connected to the extensions.

1,485,818. HANDLING AND CONVEYING MEANS. CHARLES S. SCHROEDER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed June 18, 1923. Serial No. 646,081. 6 Claims. (Cl. 214—147.)



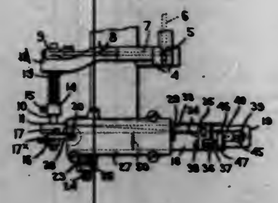
1. An attachment for a wheeled conveyor having elevating means, comprising a pivotally supported load supporting arm, means for connecting said arm with the elevator or conveyor, load clamping means over said arm, and means whereby the weight of the load on said arm will operate automatically to effect clamping of the load when the elevator is raised.

1,485,819. COMBINED PLOW AND SOIL PULVERIZER. FRANK S. SHIELDS, Cleveland, Ohio. Filed Oct. 30, 1922. Serial No. 597,805. 14 Claims. (Cl. 97—10.)



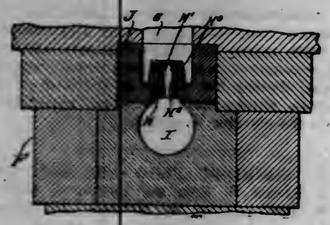
1. In a device of the kind described, a scoop having a bottom, an outer wall and an inner wall, said inner wall being oblique with reference to the line of draft, a plow share and point at the front of said scoop and a landside extending rearwardly from the plow point.

1,485,820. NEEDLE-FEELING MECHANISM FOR LOOMS. JOHN TARANTO, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 13, 1923. Serial No. 612,443. 7 Claims. (Cl. 139—279.)



1. Feeler mechanism for looms comprising a yieldable feeler to engage the filling upon the filling carrier in the shuttle upon the beat-up of the lay, a needle support mounted on said feeler having a needle normally projecting beyond the filling engaging end of the feeler to penetrate the filling on the filling carrier, a bell crank lever pivotally mounted upon said feeler having one arm extending longitudinally of said feeler, resilient means acting upon said needle support to cause constant engagement thereof with the other arm of said bell crank lever, whereby relative movement between the needle support and feeler, caused by the engagement of said needle with the filling carrier upon substantial exhaustion of filling, will swing said lever laterally without lost motion and means controlled by the movement of said lever to effect a change in the operation of the loom.

1,485,821. COKE-OVEN GAS-BURNER NOZZLE. WILLIAM H. WRIGHT, Chicago, Ill., assignor to Louis Wilputte, New Rochelle, N. Y. Filed Dec. 20, 1919. Serial No. 346,354. 2 Claims. (Cl. 202—9.)



1. A coke oven burner nozzle made of fire clay formed with a gas passage comprising a short upper measuring orifice portion and a body portion of substantially greater cross-sectional area than said orifice portion.

1,485,822. REFILLABLE CARTRIDGE FUSE. ERNEST G. APPLETON, Chicago, Ill., assignor to Chicago Fuse Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed May 22, 1920, Serial No. 383,340. Renewed Aug. 1, 1923. 5 Claims. (Cl. 200—132.)

3. In a refillable cartridge fuse, in combination, a tubular metallic end member, an inwardly formed integral cross web carried within said end member having a rectangular opening centrally positioned therein with lateral indents in two opposite sides, a plate overlying said web having integral projections adapted to engage said indents and prevent rotation of said plate, said plate having a straight side cooperating selectively with one of the straight sides of said opening to form a narrow slit, a fuse element passing through said slit and having



its end portion overlying said plate, and means engaging said tubular end member in electrical contact adapted to clamp said fuse member to said disk abutting said web.

1,485,823. MEANS AND METHOD OF PRESERVING FISH. JAMES J. BARRY, Woodhaven, N. Y. Filed Apr. 21, 1923. Serial No. 633,784. 2 Claims. (Cl. 99—11.)

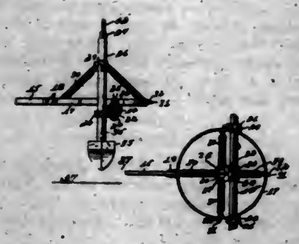
1. A method of treating fish consisting of immersing the fish in brine, draining, subsequently immersing in oil, draining the fish after the oil has impregnated the same, and smoking the fish after it has drained, whereby the fish and oil remaining therein are simultaneously treated by the smoke.

1,485,824. CLOTH-PRESSING MACHINE. RUBIN BASS, Brooklyn, N. Y. Filed Sept. 18, 1923. Serial No. 663,336. 8 Claims. (Cl. 68—9.)



1. A cloth pressing machine comprising stationary and movable bucks, impervious cloth foundations detachably secured on said bucks and having uniformly distributed, closely set, stiff needles passing through the cloth foundation, the ends of which form the pressing surfaces and communicating passageways for admitting steam through said bucks and cloth foundation.

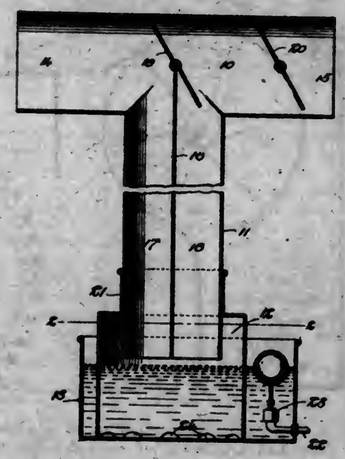
1,485,825. ANTISKID DEVICE FOR AUTOMOBILES. WELLINGTON H. BEALE, Marshalltown, Iowa. Filed Mar. 13, 1923. Serial No. 624,730. 4 Claims. (Cl. 188—6.)



1. An anti-skid device comprising a frame member, means for detachably securing the same to the axle of an automobile, a bracket located centrally with said frame

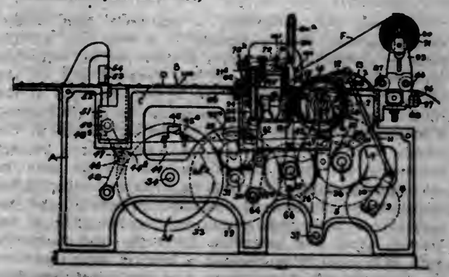
having a vertically arranged opening, a vertically arranged shaft loosely and slidably mounted therein, a surface engaging member on the lower end of said shaft, means attached to the upper end of said shaft for elevating and lowering the same, means for yieldably holding the shaft to its lower limit of movement and yieldably retaining the said lower end against lateral movement in either direction, and means for actuating said elevating and lowering means.

1,485,826. FUEL-ECONOMIZING APPARATUS. THOMAS BOCCHINO, Poughkeepsie, N. Y. Filed Nov. 6, 1922. Serial No. 599,356. 5 Claims. (Cl. 110—163.)



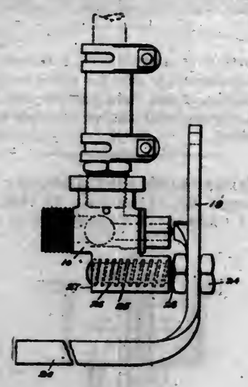
1. Fuel economizing apparatus comprising a pipe adapted to be connected at one end with a furnace and at its other end with a chimney, a water container, said pipe having a pair of passages leading therefrom and terminating in said water container, and an adjustable damper within said pipe between said passages operable in one position to restrict communication between the furnace and chimney through said passages and simultaneously permit direct communication between the furnace and chimney through said pipe and in another position to deny such direct communication and necessitate communication between the furnace and chimney by way of said passages and said water container.

1,485,827. MACHINE FOR MAKING WIRE FABRIC. GEORGE E. BULL, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1922. Serial No. 602,422. 24 Claims. (Cl. 140—3.)



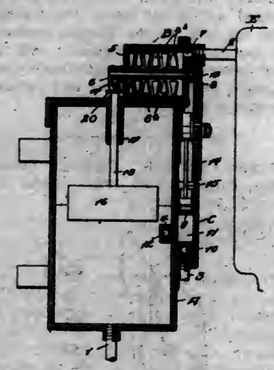
1. In apparatus for attaching sheet-material as a backing for wire-fabric, the combination with a suitable frame, of means for advancing the fabric, means for forming crimps in the strand-wires of the fabric, means for applying the sheet-material, whereby it is perforated by said crimps, and means for threading a wire through said crimps.

1,485,828. PRESSURE VALVE. GEORGE W. BURKE, JR., and ELLSWORTH BROWN, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,304. 3 Claims. (Cl. 251—181.)



1. Valve mechanism embodying, in combination, a valve casing having an internal valve seat, a valve in said casing, a plunger acting directly on said valve to force and hold the valve tightly against the valve seat, and a plunger operating lever having its pivot offset from the axis of movement of the plunger, said pivot having rigid connection with said lever and a screw-threaded engagement with a part of the valve casing.

1,485,829. LIQUID-FUEL-SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES. WILLIAM C. CARTER, St. Louis, Mo. Filed May 10, 1920. Serial No. 380,298. 8 claims. (Cl. 158—36.)



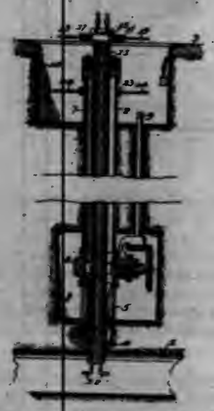
1. The combination of an internal combustion engine, an air turbine operated by the suction or vacuum produced in the intake manifold of said engine, a liquid fuel pump operated by said air turbine, a container into which fuel is delivered from said pump, and means for causing said turbine and pump to cease operating when the fuel in said container exceeds a certain quantity.

1,485,830. INGOT AND MOLD FOR SAME. RAY G. COATES, Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,977. 18 Claims. (Cl. 22—143.)



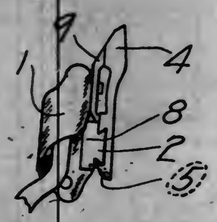
1. As an article of manufacture a horizontally cast ingot having substantially parallel plane surface sides adjacent the middle of the body portion and with reduced end portions substantially square in cross-section for the purpose specified.

1,485,831. MEASURING INSTRUMENT. JOHN ADAMS COLE, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,093. 4 Claims. (Cl. 73—167.)



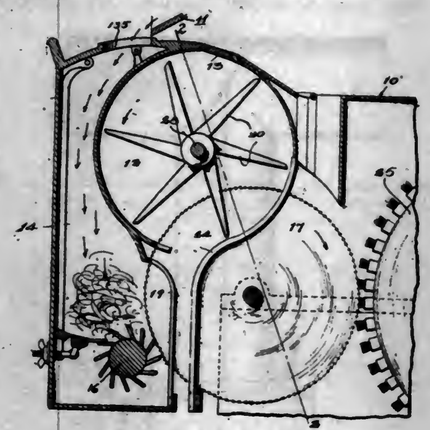
1. The combination with an underground main and a street connection extending therefrom, of a rod-meter extending through said street connection and having apertures arranged within the main, and means for indicating to the operator at the ground surface that the axes of said apertures are in alignment with the axis of the main, said indicating means including socket members pivotally mounted on the rod-meter and pointers insertible into the socket members.

1,485,832. HAIR CLIPPER. EMERSEY COLPITTS, Sangerville, Me. Filed May 26, 1921. Serial No. 472,624. 1 Claim. (Cl. 30—1.)



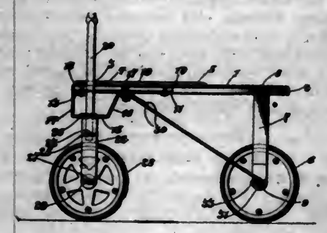
In combination with a pair of hair clippers, interchangeable stationary blade plates therefor, comprising a dovetailed slide formed across the base of the clippers back of the movable blade; stationary blade plates of varying thicknesses, each having a mortise formed along its upper side adapted to slidingly engage the said dovetailed slide and each having a registering notch in its back edge; and means for releasably locking said stationary blade plates in position, said means including a latch hinged at the back of the slide of the clippers, and adapted to engage the said registering notches in the back edges of the stationary blade plates.

1,485,833. COTTON GIN. FREDERICK B. CUMPSTON, Blooming Grove, Tex. Filed Jan. 2, 1923. Serial No. 610,291. 5 Claims. (Cl. 19—55.)



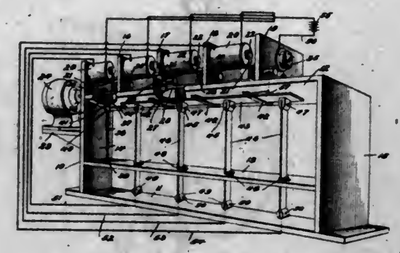
1. In a cotton gin, the combination of a plurality of spaced saws, and a plurality of staggered ribs movable between the saws.

1,485,834. TOY CAR. DONALD V. DAVIS, St. Louis, Mo., assignor, by mesne assignments, to Jake S. Braunig, St. Louis, Mo. Filed Mar. 31, 1920. Serial No. 370,071. 7 Claims. (Cl. 208—165.)



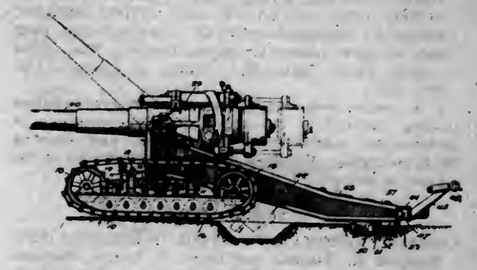
1. A toy car, comprising a relatively thin racket-shaped metallic plate composed of a wide rear portion forming a resilient seat and a narrow portion extending forwardly from the seat to the forward end of the plate, leaving free play for the legs of the child at the sides of the narrow portion throughout the length thereof, a reinforcing element secured to the under side of the narrow portion of said plate, an axle shaft, a bracket secured to the under side of the wide portion near the rear end thereof and having its arms extending downwardly and connected to said shaft, wheels on the end portions of said shaft, struts bracing the ends of the bracket arms and extending forwardly and connected with said reinforcing element, a bracket supported near the forward end of said plate, a steering post extending through said plate and through said reinforcing element and said last-named bracket, and a wheel controlled by said post.

1,485,835. MACHINE FOR TESTING SHEET METAL FOR VIBRATION. GEORGE DE BOTHEZAT and IVAN I. EREMEEFF, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,517. 5 Claims. (Cl. 265—13.)



1. In a testing machine of the character described, the combination with a supporting frame, of a bar mounted on said frame for reciprocatory movement, means for reciprocating said bar, an intermediate plate in said frame having an aperture therein, and adapted to permit a sheet metal test specimen to extend through said aperture, a clamp carried by said bar for gripping said specimen, means tending to exert a slight tensile stress on said specimen, and means for indicating the number of oscillations imparted to said specimen before rupture thereof.

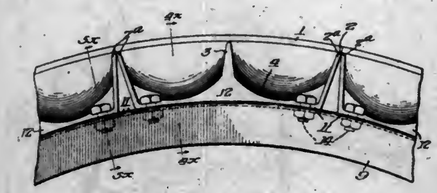
1,485,836. VEHICLE MOUNT. HARVEY DELANO, Washington, D. C., and GEORGE A. CHADWICK, Washington Grove, and SILAS V. KEMP, Baltimore, Md., assignors to the Government of the United States. Filed Mar. 22, 1919. Serial No. 284,473. 1 Claim. (Cl. 305—9.)



A traction unit of the endless track-laying type having a transverse beam member upon which the article to be carried is adapted to be mounted, longitudinally disposed members at each end of said transverse beam member for supporting the ends thereof, a frame at each end of said beam member for supporting said end members, wheels at opposite ends of said frames, an endless track passing around said wheels and under and over said frame, springs between the end supporting members and said frame and a plate above each end supporting member for supporting the track as it passes thereabove.

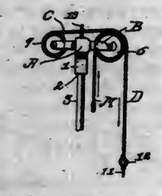
1,485,837. TRACTION TREAD FOR WHEELS. EDWARD P. DICKEY, Harvey, and GEORGE H. IRWIN, Chicago, Ill. Filed May 25, 1922. Serial No. 563,482. 13 Claims. (Cl. 301—40.)

8. A traction tread, comprising a medial circumferentially extending rib, vanes extending laterally therefrom, and webs filling the spaces between the vanes and extending from near the crest of the rib laterally and radially inclined to the sides of the tread; said tread being formed separately from and constructed for attachment to a wheel, and being subdivided into a circumferentially arranged series of sections, the planes of



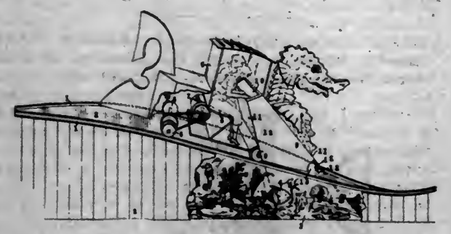
separation being coincident with penetrating edges of some of the vanes, and said sections being arranged to abut at said edges.

1,485,838. FIXTURE FOR HOLDING AND OPERATING MAPS. WILLIAM H. DIETZ, Chicago, Ill. Filed Sept. 15, 1921. Serial No. 500,902. 6 Claims. (Cl. 35—6.)



1. A supporting bar, trunnion bearings thereon, a roller having trunnions adapted to be removably supported therein, a map wound upon said roller, a smaller roller rotatively mounted on the bar between its ends, a friction strip wound upon the smaller roller with one of its ends secured thereto, and means on the smaller roller for normally holding said smaller roller with said strip wound thereon, the relation of said rollers permitting said strip when unwound from the smaller roller to have frictional bearing upon the map.

1,485,839. SCENIC RAILWAY. JAMES TAYLOR DYE, New York, N. Y. Filed Aug. 8, 1922. Serial No. 580,388. 8 Claims. (Cl. 104—84.)

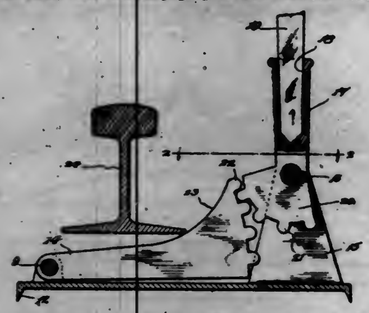


1. In a pleasure railway, in combination, a vehicle adapted to run on a track and having a passenger compartment with a seat therein and an observation conduit disposed in front of said seat and opening downwardly through the bottom of the car so as to afford an unobstructed view by the occupant to the subjacent scenery, said car being otherwise closed to external vision of the occupant.

1,485,840. DEVICE FOR LINING RAILROAD TRACKS. JOHN F. ELLIOTT, Allerton, Iowa. Filed Sept. 7, 1922. Serial No. 586,721. 3 Claims. (Cl. 254—44.)

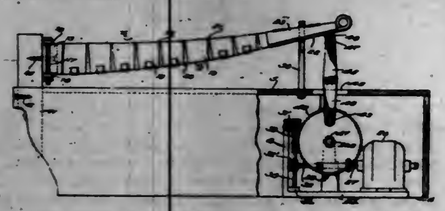
1. A track lining jack comprising a base, ground-engaging members on said base, a "crowding bar" ful-

crumed on the base, a rocking lever similarly fulcrumed on the base, and interengaging means between said lever



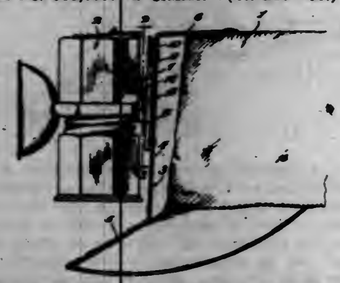
and said bar for oscillating the latter, said crowding bar having an arcuate cam surface adapted to engage with the rails.

1,485,841. DEMONSTRATION APPARATUS. DOUGLAS F. FESLER, Chicago, Ill., assignor to The Bassick Manufacturing Co., Chicago, Ill., a Corporation of Delaware. Filed May 24, 1922. Serial No. 563,196. 3 Claims. (Cl. 35—16.)



1. A demonstration apparatus comprising a container having a top wall, a post extending above said top wall adjacent one end thereof, an elongated flexible spring cover having one end secured to said post, said cover extending over said top wall, a motor in said container, a gear wheel driven by said motor, a pitman rod connecting the free end of said cover and an eccentric point of said gear wheel, said pitman extending through a slot in said top wall, and a guide for the free end of said cover.

1,485,842. LAMP HOLDER FOR MINERS' CAPS. JAMES J. FISHER, Austen, W. Va. Filed Aug. 23, 1922. Serial No. 583,809. 2 Claims. (Cl. 240—60.)



1. In a lamp holder for miners' caps, a back plate adapted to be secured upon a cap, spaced members secured to said plate and having forwardly converging flanges at their adjacent edges, the said flanges also converging downwardly, and a wedge member removably receivable in said socket member and having its lateral faces converging rearwardly and downwardly to engage between and be frictionally held by the flanges of the socket member.

1,485,843. MOUNTING FOR AUTOMOBILE ORNAMENTS. IRVING FLORMAN, New York, N. Y. Filed Mar. 12, 1923. Serial No. 624,675. 6 Claims. (Cl. 248—20.)

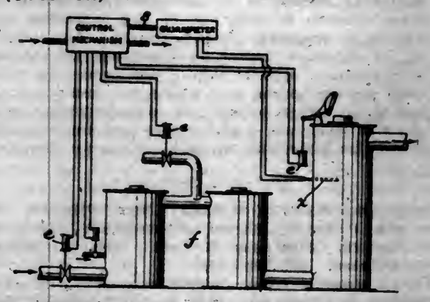


1. A mounting for an automobile ornament adapted to be attached to a temperature indicating instrument comprising a platform on which the ornament is mounted, integral portions depending from said platform, legs on said depending portions, each leg having an aperture therein, and means passing through said apertures for attaching the mounting to the rim of the temperature indicating instrument.

1,485,844. FERMENTATION OF SOLUTIONS CONTAINING XYLOSE, ARABINOSE, AND OTHER PENTOSE SUGARS WITH THE PRODUCTION OF ACETIC ACID AND LACTIC AND OTHER ORGANIC ACIDS BY MICROORGANISMS. EDWIN BROWN FRED and WILLIAM HAROLD PETERSON, Madison, Wis. Filed Aug. 7, 1919. Serial No. 315,952. 8 Claims. (Cl. 260—120.)

4. A process comprising subjecting hydrolyzed pentose yielding material to the action of micro-organisms of *Lactobacillus pentoaceticus*, new species, and allowing the fermentation to proceed until substantially all of the pentose is converted into lactic and acetic acids.

1,485,845. AUTOMATIC-CONTROL WATER-GAS SET. WILLIAM H. GARTLEY and OWEN B. EVANS, Philadelphia, Pa., assignors to The U. G. I. Contracting Company, Philadelphia, Pa., a Corporation of Delaware. Filed Aug. 15, 1921. Serial No. 492,603. 10 Claims. (Cl. 48—83.)



9. In combination, water gas apparatus, timing mechanism adapted to put apparatus valves into open and into closed positions, and thermally responsive provisions adapted to change the timing mechanism.

1,485,846. DISPLAY DEVICE. SYDNEY B. GRIFFIN, Mamaroneck, N. Y., assignor to T. Fred Moore, New York, N. Y. Filed Feb. 8, 1921, Serial No. 443,341. Renewed Mar. 5, 1923. 11 Claims. (Cl. 40—125.)



1. The combination with a flexible poster, of a normally straight flexible and resilient stretching member adapted to be applied to the poster to exert an outward thrust on the poster at spaced points thereof and greater in length than the distance between said points so that it is bowed when so applied to the poster, and a prop extending from a point of said stretching member and adapted to extend outwardly from the stretching member when the latter is in bowed position.

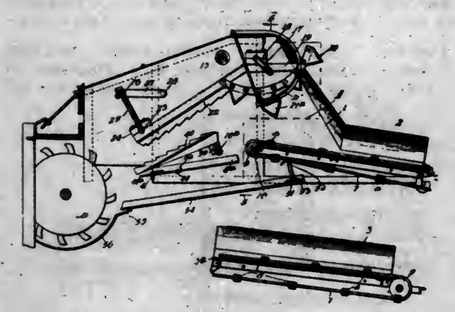
1,485,847. RAKER GAUGE. MARTIN J. HAHRE, Smithers, British Columbia, Canada. Filed Oct. 17, 1922, Serial No. 595,159. Renewed Jan. 29, 1924. 3 Claims. (Cl. 76—47.)



1. In a tool of the class described, an elongated body portion, L-shaped in cross-section, a groove formed on the inner side of one arm of the body portion to receive a file in one operation, and a saw in another operation, the body portion provided with a cutout portion communicating with the groove for slidably receiving a file in a further operation.

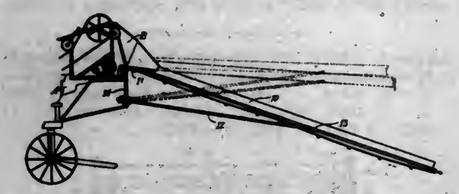
1,485,848. BAND CUTTER AND FEEDER. ARTHUR J. HARTLEY, Peoria, Ill., assignor to Hart Grain Weigher Co., Peoria, Ill., a Corporation of Illinois. Filed Feb. 17, 1921. Serial No. 445,660. 9 Claims. (Cl. 130—1.)

1. In a machine of the class described, in combination, a conveyor member, crank operated frame members, crank operated band cutters mounted on the forward end of said frame members, upper oscillating feed pans mounted on the lower end of said frame members, means for yieldingly supporting the lower ends of said frames, lower oscillating feed pans, a reciprocating litter pan, retarding means, an automatic trip mechanism controlled by the movement of the upper feed pans, a clutch mechanism in connection with said trip mechanism for throwing out of operation the conveyor mechanism and lower



feed pans, a power shaft, and a governor mounted on said shaft capable of controlling the initial operation of the conveyor and lower feed pans.

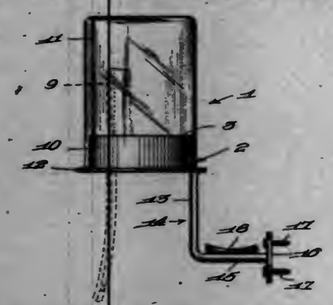
1,485,849. ADJUSTABLE CONVEYER SUPPORT FOR CONVEYERS. ARTHUR J. HARTLEY and WILLIAM HALE, Peoria, Ill., assignors to Hart Grain Weigher Co., Peoria, Ill., a Corporation of Illinois. Filed June 7, 1922. Serial No. 566,579. 7 Claims. (Cl. 198—121.)



1. In an adjustable conveyer, in combination, a supporting frame, a conveyer pivoted thereto, a reach member pivoted to the conveyer, a stop member connected with the framing, a rockable member pivoted respectively to the reach member and to the framing at a point below the pivotal connection of the conveyer thereto provided with a slot therein to facilitae adjustment of the pivotal member on the reach into off-centered relation above or below the pivotal conter of the adjustable member with the framing, whereby under conditions of raising the conveyer to a maximum working position the rockable member will be shifted into position for abutment with the stop and the pivotable member on the reach would be disposed in the slot of the rockable member in a position below the center of the pivotal support of the rockable member, and whereby in disposing the conveyer in its lowermost working position action of raising the conveyer above its normal elevated working position will dispose the pivot member of the reach within the slot of the rockable member in a position above the center of the support of the latter, whereby the weight of the conveyer will cause the rockable member to be shifted rearwardly and the pivot member thereon advanced to the rearward extremity of the slot therein to effect a stop and support for the conveyer in such maximum lowered position, and means associated respectively with the pivot member of the reach and the rockable member for effecting interlock there-between when the pivot member is disposed in the rearward portion of the slot thru the raising action of the conveyer above its normal high position whereby temporary interlock will be effected between the reach and rockable member to facilitate thrust action in the lowering move-

ment of the conveyer will move the rockable member rearwardly to permit rearward projection of the reach member into supporting relationship with the rockable member.

1,485,850. SANITARY TOOTHBRUSH HOLDER. GEORGE J. HOLLANDER, Portland, Me. Filed May, 21, 1921. Serial No. 471,461. 2 Claims. (Cl. 248—63.)



2. A tooth-brush holder comprising an open body including an annular supporting flange and an annular right angularly disposed tumbler guard flange, said supporting flange having a plurality of tooth brush receiving slots formed therein extending outwardly from the inner edge of said supporting flange, and terminating adjacent to the guard flange, and an outwardly extending member for securing the body to a supporting structure.

1,485,851. RETORT. ERNEST W. HOPPER, Seattle, Wash., assignor to Hopper Cannery Machinery Co., Seattle, Wash., a Corporation of Washington. Filed Apr. 3, 1922. Serial No. 549,145. Renewed Dec. 12, 1923. 5 Claims. (Cl. 126—272.)



1. A retort of the class described, consisting of a steam tight cylindrical casing, a cage rotatably mounted in said casing consisting in a pair of spaced headers, and a plurality of can receiving tubes secured at their ends to openings on said headers, a conduit extending through each of the opposite ends of said casing and arranged to register in alignment with the openings in said headers and tubes, said conduits having steam tight engagement with said headers.

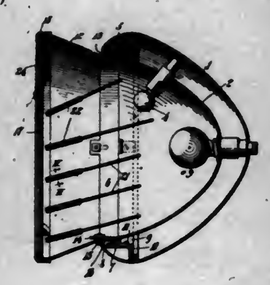
1,485,852. DISPLAY STAND. CHARLES H. JARVIS, Battle Creek, Mich., assignor to United Steel and Wire Co., Battle Creek, Mich. Filed Oct. 7, 1922. Serial No. 593,132. 2 Claims. (Cl. 211—24.)

1. In a stand, the combination of legs having angular bends adjacent their upper ends disposed in triangular relation with their angles inwardly, an annular top member welded to the upper ends of said legs, said top member being provided with cross pieces welded to the under side thereof constituting a support on which a receptacle may be placed in an upright position or in an inclined position with its bottom resting against one cross member and its side against the adjacent cross member, and a plurality of triangular horizontal members welded at their angles to said legs and constituting braces therefor, said horizontal members being provided with cross bars disposed in spaced relation to one of the side members thereof constituting a support on



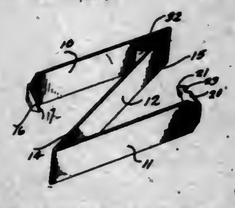
which receptacles may be placed in an inclined relation with their bottoms resting against the cross bars and their sides resting against the coacting side member.

1,485,853. ANTIGLARE ATTACHMENT FOR HEADLIGHTS. JAY D. JONES, New York, N. Y. Filed Nov. 25, 1922. Serial No. 603,281. 11 Claims. (Cl. 240—48.4.)



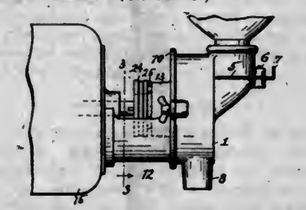
1. An exterior anti-glare attachment adapted to be secured to the open front of a head lamp, said attachment comprising a hood and a plurality of upwardly and rearwardly inclined vanes leading rearwardly from the front of the hood to points within the reflector back of the open front of the lamp, and a lens covering the front of the hood.

1,485,854. SAFETY CLASP. JAMES J. JOYCE, Portsmouth, N. H. Filed Feb. 3, 1921. Serial No. 442,132. 6 Claims. (Cl. 292—253.)



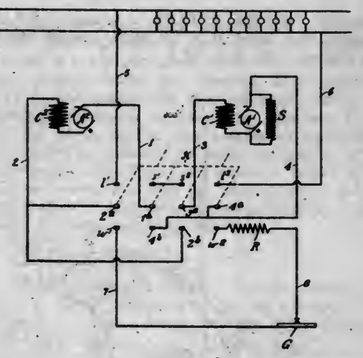
1. As an article of manufacture, a safety clasp formed of a single strip of flat material, rectangular slots within said substantially flat body, said body having reduced ends thereon adapted for insertion through said slots, said body having a triangular opening therein, and a barbed head upon an end of one of said reduced portions adapted for insertion through said triangular shaped aperture for securely locking the substantially flat body to form a safety clasp.

1,485,855. COFFEE MILL. WILLIS E. KIDNEY, Cleveland, Ohio, assignor to The Cleveland Electric Machine and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 15, 1922. Serial No. 575,248. 10 Claims. (Cl. 83—8.)



1. A coffee mill, comprising a burr housing, a stationary burr therein, a drive shaft, a rotary burr slidably keyed to said drive shaft, a flanged sleeve surrounding said shaft, movable longitudinally thereof and engageable with said rotary burr and a second sleeve having a hand wheel thereon, said second sleeve surrounding said first mentioned sleeve, engaging the flange of said first mentioned sleeve and in threaded engagement with said housing.

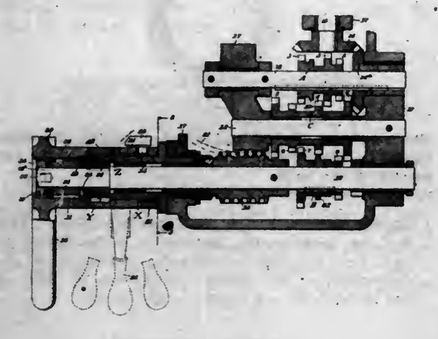
1,485,856. ELECTRIC GENERATOR. JOHANNES KJEKSTAD, Brooklyn, N. Y. Filed June 27, 1919, Serial No. 307,107. Renewed July 9, 1923. 7 Claims. (Cl. 171—312.)



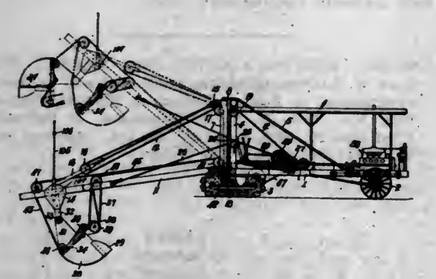
1. In combination with two load circuits, an electric generator comprising an armature including two collector members and having part of its winding connected to one collector member and another part of its winding connected to the other collector member, and means for selectively connecting the collector members either in series into one load circuit to the exclusion of the other load circuit or in parallel into the said other load circuit to the exclusion of said one load circuit.

1,485,857. SAFETY MANUAL FEED FOR DRILLS. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 5, 1923. Serial No. 649,684. 12 Claims. (Cl. 74—58.)

1. A drilling machine combining a spindle feed-shaft; automatic means for actuating said shaft including a power shaft, a third shaft, a driving connection between said third shaft and said spindle feed-shaft, and a plurality of relatively shiftable gear-units operatively connecting said power-shaft and said third shaft; manual means for rotating said third shaft to actuate said spindle feed-shaft; and a single feed-controlling element operatively connected with two of said gear-units and movable in one plane to shift one of said gear-units and movable in another plane to shift the other of said gear units to establish a driving connection between said power-shaft and said spindle feed-shaft, and simultaneously therewith to render said manual means inoperative.



1,485,858. EXCAVATING MACHINE. LEO A. KRUPP, Findlay, Ohio. Filed June 4, 1921. Serial No. 474,882. 14 Claims. (Cl. 214—138.)



1. In a machine of the class described, a bucket having an open front and closed back disposed in lines diverging downward and outward from the top portion of the bucket and having an outwardly curved closed bottom and a cleaner blade pivotally disposed in the bucket for movements front and back of the bucket and having its pivot disposed adjacent to the top of the bucket and substantially concentric to the curve of the bottom.

1,485,859. CENTRIFUGAL METAL-PIPE MOLD. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed July 12, 1922. Serial No. 574,469. 4 Claims. (Cl. 22—65.)

4. A centrifugal long and relatively narrow metallic pipe mold having its inner surface divided into separated segments by narrow slots or grooves running both longi-

tudinally and circumferentially which are too narrow to permit the fluid metal for the pipe casting to enter under



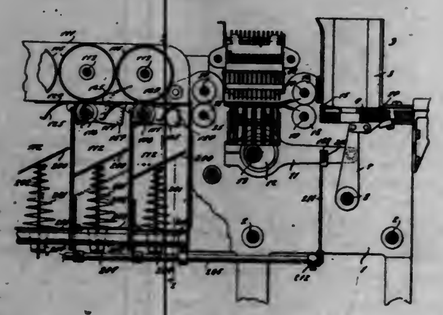
the conditions of use and which diminish the strains caused by the alternate heating and cooling of the inner portion of the mold.

1,485,860. CENTRIFUGAL CASTING MACHINE. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Nov. 28, 1922. Serial No. 603,757. 9 Claims. (Cl. 22—65.)



6. A centrifugal casting machine comprising a rotatable casing in combination with a segmental mold the segments of which are radially and longitudinally movable in the casing, interengaged means whereby a longitudinal movement of the mold segments in the mold moves them together or apart and power mechanism for moving the mold segments longitudinally.

1,485,861. SORTING-MACHINE STOP DEVICE. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed June 29, 1922. Serial No. 571,745. Renewed May 26, 1923. 9 Claims. (Cl. 83—92.)



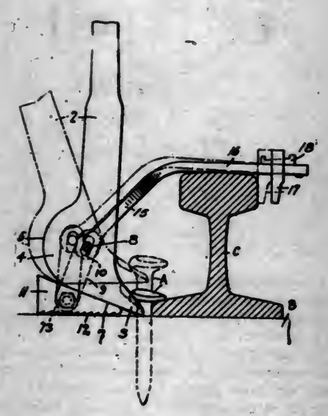
1. In an apparatus of the class described, a card-receiving hopper, power actuated means to forward cards one at a time to the receiving hopper, and means to stop the operation of said power actuated means when the number of cards in the receiving hopper has reached a predetermined number.

1,485,862. CONNECTING DEVICE. STEPHEN T. LESTER, East Bakersfield, Calif. Filed Mar. 14, 1923. Serial No. 624,991. 5 Claims. (Cl. 166—15.)



1. In a device of the class described, the combination with a pipe section, terminating in a tapered portion, of a member adapted to fit over said tapered portion and having upwardly directed slips disposed on its outer surface, said member being slit from the lower end upwardly to provide for adjustment of the member in engaging the well casing.

1,485,863. SPIKE PULLER. ANDREW MCLAIN, Carnegie, Pa. Filed Mar. 10, 1923. Serial No. 624,165. 4 Claims. (Cl. 254—27.)



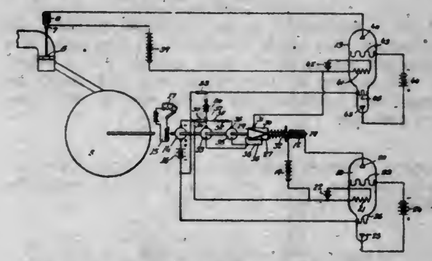
3. A spike puller comprising a claw bar having a claw, a curved working surface behind said claw and connected with said claw by a straight under surface, a wedge-shaped fulcrum member having a flat upper surface adapted to cooperate with said curved working surface, a pivot member extending through an opening in said claw bar, and links pivotally connected to said fulcrum member, said links having slots through which said pivot member extends.

1,485,864. TIRE BEAD AND METHOD OF MAKING SAME. HARVEY F. MARANVILLE, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 15, 1919. Serial No. 344,820. 15 Claims. (Cl. 154—14.)



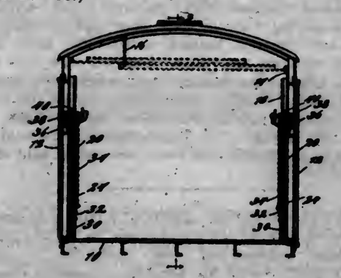
14. The process of making a reinforcement for pneumatic tire beads which contains the steps of first flattening spaced portions of a round flexible wire without deflecting the axis of said wire; second, wrapping such wire with rubberized fabric; and, third, winding a plurality of turns of said wire together to form a hoop of the required size and strength.

1,485,865. CONTROL AND REGULATION OF ENERGY-CONVERSION MACHINES. FRIEDRICH WILHELM MEYER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 12, 1920. Serial No. 358,101. 14 Claims. (Cl. 175—355.)



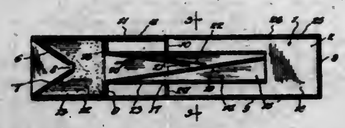
9. In a controller for prime movers, the combination with means for immediately controlling the supply of motive agent to the prime mover, of control means to act upon said former means for effecting an intermittent supply of motive agent and for definitely timing the frequency of the supply periods with reference to the speed of the prime mover, and associated electro-ionic means subjected to influence of speed variations of the prime mover for controlling instantaneous values of the motive agent supply and also for independently controlling the duration of individual supply periods to thereby compensate for such speed variations.

1,485,866. SUPPLEMENTAL GRAIN DOOR FOR FREIGHT CARS. JOHN J. MILLER, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,335. 4 Claims. (Cl. 20—33.)



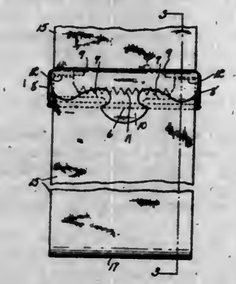
1. In an inner grain door for freight cars, the combination of a hinged frame, a door panel fixed to said hinged frame, additional panels on said frame, adapted to be slidably operated thereon, and means for operating said slidable door panels, said means comprising a windlass and chain mounted on the relatively fixed panel.

1,485,867. INSECT TRAP. WILLIAM M. MOONEY, Washington, D. C., assignor of one-half to Herbert F. Groves, Washington, D. C. Filed Nov. 20, 1922. Serial No. 602,186. 9 Claims. (Cl. 43—121.)



1. In an insect trap, a hollow body having an entrance passageway in one end, a partition dividing the body interiorly into bait and trapping compartments, and a runway leading through the partition and establishing communication between the said compartments, and a baffle wall within the runway having a flexible portion located in relatively close proximity to the bottom of the runway.

1,485,868. BUCKLE. WILLIAM F. MURTHA, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,719. 1 Claim. (Cl. 24—184.)

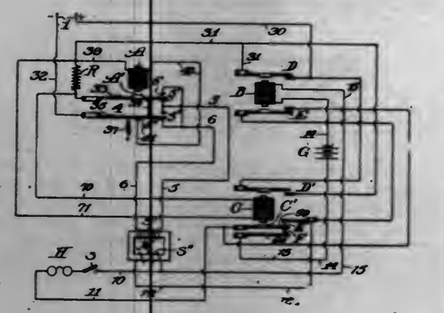


In a buckle, the combination with a one-piece wire frame bent to form a continuous straight lower bar, the ends of which are bent forward, then inward toward each other, in front of the said lower bar, then upward and then outward to the ends of the said bar to form two complementary web-gripping loops located in the vertical plane in front of the said bar, and the outer ends of the upper reaches of the said loops being bent rearward and then upward to form the side-bars of the frame, and the upper ends of the said side-bars being bent inward toward each other to form pintle-ends constituting in effect the upper bar of the frame; of a buckle-lever mounted upon the said pintle-ends of the frame, and a length of webbing having its fixed end gripped between the front face of the lower bar of the frame and the rear faces of the vertically-arranged web-gripping loops standing in front of the said lower bar of the frame.

1,485,869. SIGNALING SYSTEM. CHARLES A. NASH, Chicago, Ill., assignor of three-fourths to Amrevo Electric Company, Chicago, Ill., a Corporation of Illinois, and one-fourth to Seymour Stedman, Chicago, Ill. Filed Sept. 28, 1921. Serial No. 503,802. 16 Claims. (Cl. 171—97.)

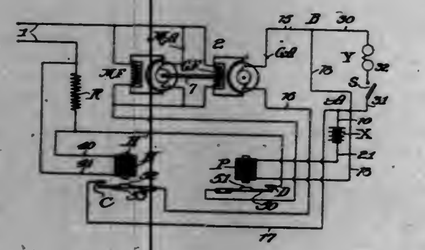
1. In a system of the class described; a transformer; a source of relatively high potential direct current connected to a circuit having in series therein the primary

winding of the transformer, a pole-changing device, and a switch (D); a low voltage circuit having in series therein the secondary winding of the transformer, a control switch, a low voltage translating device, and a switch (E'); an auxiliary shunt circuit including therein a source of potential, the control switch, and a



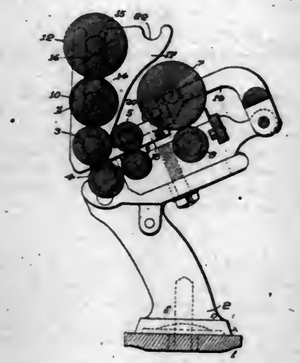
switch (F); a switch (E) in parallel with the switch (E'); a switch (D') in parallel with the switch (D); means operated by flow of current through the auxiliary shunt circuit for closing the switches (D and E); and means operated by flow of the relatively high potential direct current for closing the switches (D' and E') and opening the switch (F).

1,485,870. SIGNALING SYSTEM. CHARLES A. NASH, Chicago, Ill., assignor of three-fourths to Amrevo Electric Company, Chicago, Ill., a Corporation of Illinois, and one-fourth to Seymour Stedman, Chicago, Ill. Filed Sept. 28, 1921. Serial No. 503,803. 5 Claims. (Cl. 171—97.)



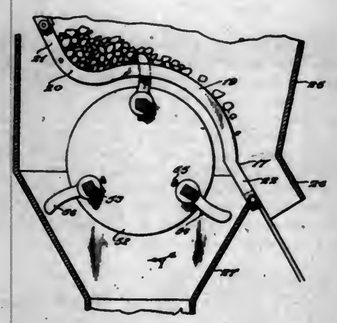
1. In a system of the class described; a motor generator set; a source of relatively high potential direct current connected to a circuit having in series therein the motor of the motor generator set, and a switch (D); a low voltage circuit connected to the generator of the motor generator set, and having in series therein a control switch, a low voltage translating device, and a switch (C); an auxiliary low voltage shunt circuit including therein a source of potential and the control switch; means operated by flow of current through the auxiliary low voltage shunt circuit for closing the switch (D); and means operated by flow of the relatively high potential direct current for closing the switch (C).

1,485,871. SPINNING FRAME. ROBERT E. NAUMBURG, Winchester, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed July 5, 1923. Serial No. 649,480. 2 Claims. (Cl. 19—135.)



1. In a mechanism of the character described, the combination with upper and lower drawing rolls, of a clearer roll bearing on the upper drawing roll, a weighting roll bearing on said clearer roll, and means for holding said weighting and clearer rolls in their operative positions.

1,485,872. ORE-SCREENING APPARATUS. GUS NELSON, Douglas, Ariz. Filed Oct. 14, 1922. Serial No. 594,482. 4 Claims. (Cl. 83—56.)

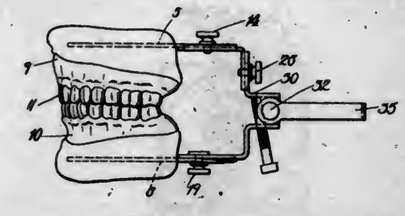


1. An ore screening apparatus comprising a screen having spaced parallel bars, parallel sided agitating elements engaging between said bars and arranged to travel in one direction thereof, a revoluble shaft upon which said elements are rigidly mounted, said bars each having an arcuate portion concentric with the axis of said shaft, and a narrow, longitudinal web on the under side, said shaft including a pair of spaced disks, flat sectioned rods engaging corresponding hubs on said elements, the ends of said rods being secured in said disks.

1,485,873. DENTAL ARTICULATOR. JAMES M. O'KEEFE, Brooklyn, N. Y., assignor to O. K. Dental Articulator Corporation, New York, N. Y. Filed Mar. 30, 1922, Serial No. 548,173. Renewed Jan. 29, 1924. 3 Claims. (Cl. 32—1.)

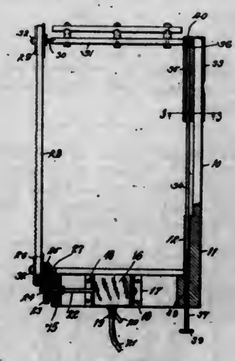
1. A dental articulator comprising a strap, an uppper and lower work moulding jaw pivotally connected to the strap and adjustably movable toward each other,

said upper jaw including a vertically adjustable and reversible annularly bent member and a longitudinally



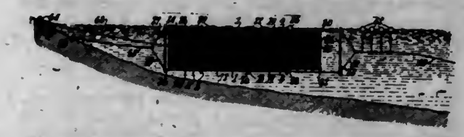
adjustabe element connected thereto, said annularly bent member and adjustable element being reversible as a unit with respect to the strap.

1,485,874. PORTABLE BANDSAW. TULLEY O'MALLEY, Cordova, Territory of Alaska. Filed Apr. 17, 1922. Serial No. 553,405. 3 Claims. (Cl. 143—19.)



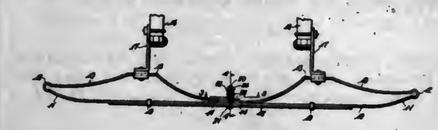
1. A band saw machine comprising a supporting frame of adjustable sections, one of which includes a guide rail while the other includes a slide mounted for longitudinal adjustment along the said rail, an endless band saw means, means on the slide for rotatably supporting one end of the saw, means on the rail for rotatably supporting the other end of the saw, an adjusting screw rod having a threaded portion adapted to thread through a portion of the frame providing the guide rail, and a head on said screw rod adapted to engage the slide for moving the same in either direction along said guide rail.

1,485,875. FLOATING FISH TRAP. TULLEY O'MALLEY, Cordova, Territory of Alaska. Filed May 5, 1923. Serial No. 636,967. 9 Claims. (Cl. 43—103.)



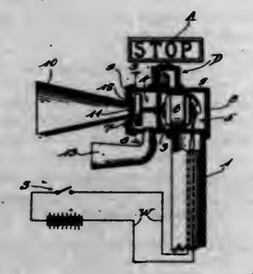
1. A trap comprising a trap body having an entrance and an exit, leads having aligning openings and extending inward from said entrance, shore lines for anchoring the entrant end to the shore, a main carrying "line" extending longitudinally through the central vertical plane of the trap body and being secured to said leads, buoyant members on said line, a lead forming portion in said line, anchors at the "line" ends, and spacer poles for holding portions of the trap body properly spaced, at least one of said poles being provided with end extensions and adjustable floats, and a spiller removably cooperative with said trap body.

1,485,876. AUTOMOBILE BUMPER. TAGE H. OLSEN, Fresno, Calif. Filed Oct. 19, 1923. Serial No. 669,585. 4 Claims. (Cl. 293—55.)



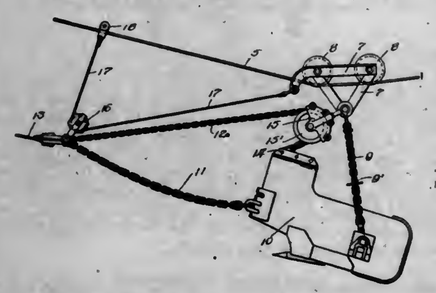
1. In an automobile bumper a metal bar bent to form a front bumper bar and spaced rearwardly arranged supporting bars provided with overlapping ends and means passing through said front bar and overlapping ends for uniting the same, said overlapping ends being formed with slots for the purpose described.

1,485,877. RAILROAD SIGNAL. JOHN W. OSBORNE, Winchester, Ill., assignor of one-half to Henry C. Six. Filed Mar. 15, 1923. Serial No. 625,322. 4 Claims. (Cl. 246—126.)



2. In an audible signal, a casing, an air intake connected thereto, vibrating elements in the casing in the path of the air, and a rotor in the casing for drawing air into it and against the vibrating elements.

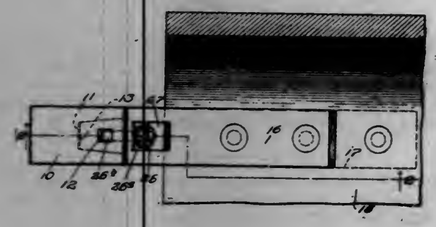
1,485,878. EXCAVATING DEVICE. JOHN W. PAGE, Chicago, Ill. Filed Nov. 24, 1922. Serial No. 602,968. 14 Claims. (Cl. 37—117.)



1. In an apparatus of the character set forth, the combination of a main cable, a carriage movable thereon, a scraper bucket pivotally mounted on said carriage in the rear of the center of gravity of the bucket when loaded, a hauling line for pulling the bucket along said main cable, a block attached to the carriage, a holding chain running from the front of the bucket over said

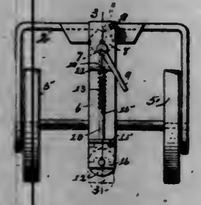
block to the hauling line, means arranged in connection with said block whereby a leverage in favor of the end of the holding chain attached to the hauling line is established when the bucket is in load-retaining position and destroyed when said bucket is in partial or complete dumping position, and means engaging said hauling line in advance of said bucket operating at a predetermined point to accelerate the movement of said carriage along said main cable relative to the movement of said hauling line, for the purpose set forth.

1,485,879. DETACHABLE TOOTH FOR EXCAVATING SHOVELS. JOHN W. PAGE, Chicago, Ill. Filed Aug. 3, 1923. Serial No. 655,489. 2 Claims. (Cl. 37—142.)



1. A device of the character described comprising a tapered tooth-supporting lug, a detachable tooth provided with a complementary tapered recess adapted to embrace the tapered end of the lug, and means for drawing the tooth onto the lug, said means comprising a bolt arranged substantially parallel with the longitudinal axis of the lug and having one end engaged with a part on the lug and the other with a part on the tooth, whereby tightening of the bolt causes a seating of the tapered tooth-supporting lug in the complementary tapered recess in the tooth.

1,485,880. PLATFORM TRUCK. FRANK PALMER, Naugatuck, Conn. Filed Oct. 10, 1922. Serial No. 593,539. 7 Claims. (Cl. 280—44.)



2. A truck of the class herein described comprising a wheeled platform; a steering-wheel duly supported at the advance end of said platform, vertically adjustable into and out of contact with the surface thereunder and at all times spring-pressed upwardly; and means whereby said steering-wheel may, at the will of the user, be protracted downwardly into contact with the surface thereunder, against the stress of its controlling spring, and with pressure sufficient to lift the front carrying-wheels of the truck clear of said surface.

1,485,881. CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 11, 1921. Serial No. 491,490. 34 Claims. (Cl. 235—59.)

1. In a calculating machine, the combination with a traveling carriage, a totalizer, an actuator for said totalizer, and clearance-proof mechanism including a key, of means for automatically locking an essential



part of the machine at a predetermined point in the travel of said carriage, and means whereby said key releases the lock.

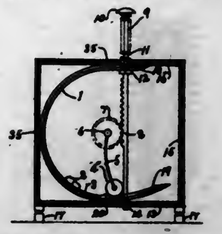
1,485,882. STEM WINDING AND SETTING AUTOMOBILE CLOCK. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Feb. 13, 1923. Serial No. 618,782. 3 Claims. (Cl. 58—67.)



1. In a stem winding and setting clock, the combination with the winding-arbor thereof, of a stem winding and settting mechanism, comprising an oscillating yoke, a hollow stud carried thereby, a setting-wheel turning loosely upon the said stud, and a setting pinion also carried by the yoke and meshed into by the said setting-wheel, the said hollow stud being large enough for the said winding-arbor to pass through it with sufficient play for the oscillation of the yoke.

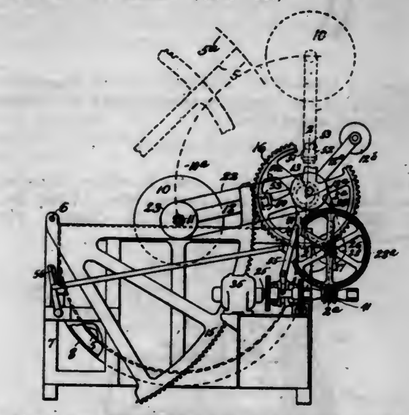
1,485,883. SIGNAL-TRANSMITTING DEVICE. EDWARD JOSEPH QUINN, Ringsend, Ireland. Filed Feb. 15, 1922. Serial No. 536,714. 2 Claims. (Cl. 178—79.)

1. A general character signal transmitting device for wireless, flash-light and land line systems of telegraphy of the kind described herein, comprising a member or series of members of semi-circular formation and having impressed thereon signal characters, and in combination therewith a roller or wheel member spring-pressed against each semi-circular member aforesaid by means of a springable spoke secured to a spindle adapted to be revolved by a free-wheel pinion on said spindle, a rack engaging said free-wheel spindle, said rack being connected in each case to a spring-backed indicator key, said



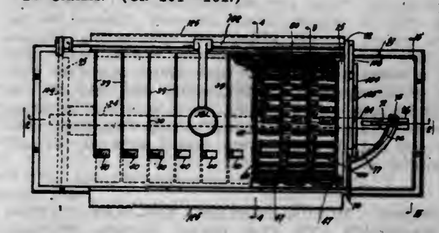
spring-backed indicator key being adapted under pressure to cause said roller or wheel member to revolve and so make intermittent electrical contact with said signal characters.

1,485,884. DYEING MACHINE. ROBERT CARL RAHM, Wyomissing, Pa. Filed July 19, 1922. Serial No. 575,941. 10 Claims. (Cl. 8—19.)



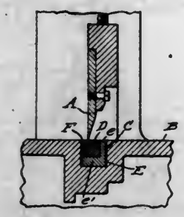
1. The combination with a liquid tank, a pivoted fabric receptacle mounted to swing into or out of said tank, and a rotary agitator pivotally mounted to swing into and out of said receptacle; of a common drive shaft and intermediate operating means adapted to either rotate said agitator independently, or to swing both said agitator and receptacle.

1,485,885. CHECK PROTECTOR. KARL ROSS, Los Angeles, Calif. Filed Jan. 26, 1923. Serial No. 615,019. 16 Claims. (Cl. 101—101.)



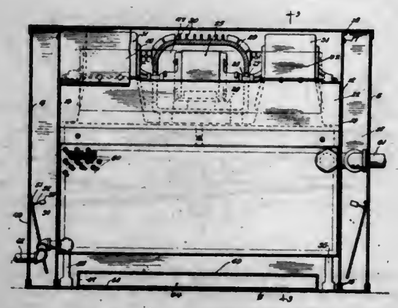
1. In a device of the character described, a plurality of individually movable type carriers which may be moved to put selected types into a printing line, a depressible mounting common to all the type carriers, and a single means to depress the mounting and all the type carriers at a single operation; said type carriers being arranged alongside each other and having type bar slots which are brought into register when selected type is put into the printing line, type bars slidably carried in the slots of the several carriers, and means to slide the type bars from slot to slot in the several carriers to move them into a compact printing line.

1,485,886. CUTTING STICK FOR PAPER-CUTTING MACHINES AND THE LIKE. CHARLES B. RUSSELL, Buffalo, N. Y. Filed Sept. 28, 1921. Serial No. 503,834. 10 Claims. (Cl. 164—58.)



1. A cutting stick adapted to be inserted in a slot in a cutting machine and including a clamping bar, a strip engaged by said bar and adapted to be clamped in said slot, and yielding means adapted to be moved into said slot and to bear against a side of said slot to yieldingly move said clamping bar into a position to grip said strip.

1,485,887. VENTILATING APPARATUS. CHESTER J. SCANLAN, Bloomington, Ill. Filed June 30, 1922. Serial No. 571,868. 5 Claims. (Cl. 98—27.)



2. In ventilating apparatus, a casing provided with an air inlet, means adjustable to close said air inlet, the casing having a second air inlet, means influenced by gravity to normally close the last-mentioned air inlet and operable upon the creation of suction within the casing induced by closing of the means associated with the first-mentioned air inlet to move to open position, the casing having an air outlet, and means within the casing for creating an inflow of air into the casing through the effective inlet and an outflow of air from the casting through the outlet.

1,485,888. TOWLINE. GEORGE SCHONBERG, Rolla, N. Dak. Filed Aug. 23, 1922. Serial No. 583,919. 2 Claims. (Cl. 280—33.14.)

1. In a tow line, a connecting plate, a tow chain having connection with the connecting plate, securing members, chains for connecting the securing members to the connecting plate, each of the securing members including a body portion having a right angled portion

and an inwardly extended end portion, a clamping arm mounted to slide on the right angled portion, said clamping arm adapted to cooperate with the body portion to



clamp an article therebetween, and resilient means for normally urging the clamping arm towards the body portion.

1,485,889. SAFETY DEVICE FOR AUTOMOBILES. JULIUS SCHMIDT and EDMUND SCHMIDT, Brooklyn, N. Y. Filed Mar. 18, 1921. Serial No. 453,469. 1 Claim. (Cl. 188—106.)



A vehicle brake comprising a brake drum adapted to be mounted on a transmission shaft, a flexible brake band partly encircling said drum, one end of said band being rigidly held on the vehicle frame and the other being free, a bell-crank fulcrumed on the frame of the vehicle, one arm of said bell-crank being pivotally connected to the free end of the brake band, a hand lever in the rear of the brake drum fulcrumed intermediate its length, a rod connecting said hand lever to the bell-crank, said lever having an eye thereon, a sector rigid on the vehicle frame having an eye therein, the eyes of the hand lever and sector when aligned being adapted to receive means for locking the brake band, a foot lever pivoted forward of the brake drum, a rod connecting the foot lever and bell crank.

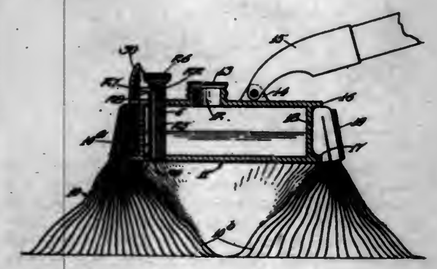
1,485,890. HOT PLUG. HAROLD F. SHEPHERD, Grove City, Pa., assignor to The Bessemer Gas Engine Company, Grove City, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1921. Serial No. 507,519. 6 Claims. (Cl. 219—38.)

1. In a hot plug, the combination of a receptacle, the walls of which form the hot plate of the plug; a mounting from which the receptacle projects; a condenser carried by the mounting, said condenser being out of alinement with the receptacle and arranged above the same;



a connection between the condenser and the receptacle; and a liquid in the receptacle vaporizing at the desired predetermined temperature.

1,485,891. FOUNTAIN MOP. JOHN B. SIBLEY, Littleton, and HERBERT C. JENKINS, Boston, Mass. Filed Jan. 27, 1922. Serial No. 532,201. 2 Claims. (Cl. 15—131.)

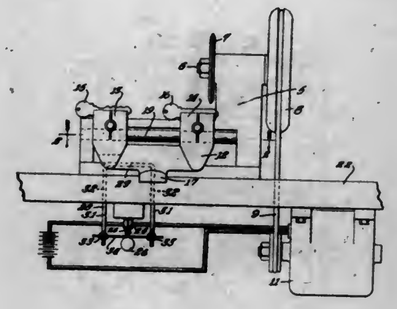


1. A fountain mop comprising a reservoir, mop material carried by said reservoir, a substantially vertical supply tube extending therethrough from top to bottom, and having a discharge opening at its lower end, said tube having a vent port and a discharge port communicating with the interior of said reservoir adjacent the top and bottom theerof, respectively, and having also an arcuate slot above said reservoir, and a rotary plug valve within said tube said valve having means for placing said vent port in communication with said slot and said discharge port n communication with said discharge opening and and a pin secured to said valve and guided in said slot for limiting the rotary movement of said valve.

1,485,892. MOTOR CONTROL FOR KEY-CUTTING MACHINES AND THE LIKE. MATHEW SPINELLO, Rockford, Ill., assignor of one-half to Archie J. Shimp, Rockford, Ill. Filed May 25, 1922. Serial No. 563,685. 1 Claim. (Cl. 90—13.2.)

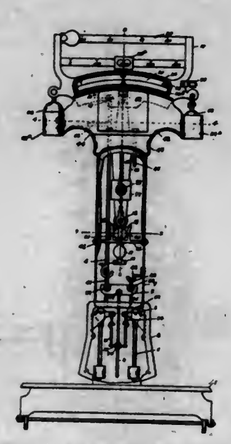
In a key cutting machine, the combination of a motor driven cutter, a carriage for carrying a key and a key blank mounted to swing vertically about a horizontal

axis for moving the key blank toward and from the cutter and to slide longitudinally of said axis to feed



said blank horisontally past the cutter, and a motor controlling switch actuated by said carriage for starting and stopping the motor.

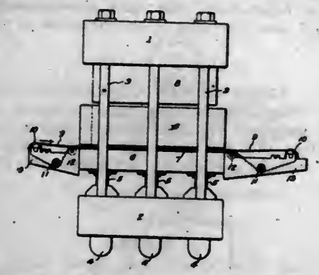
1,485,893. SCALE CONSTRUCTION. WALTER F. STIMPSON, Louisville, Ky. Filed Jan. 7, 1918, Serial No. 210,739. Renewed Aug. 2, 1923. 38 Claims. (Cl 265—62.)



1. In a scale, the combination of a laterally extending capacity beam, an index chart carried by the capacity beam, and extending longitudinally thereof, a platform mechanism for operating the capacity beam from the platform, a depending arm rigidly connected to the capacity beam, an index hand pivotally mounted upon said arm, and means for effecting a movement of the index hand upon and independently of the movement of the capacity beam.

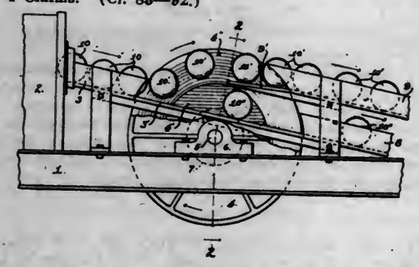
1,485,894. APPARATUS FOR MANUFACTURING PULP ARTICLES. DANIEL MANSON SUTHERLAND, Jr., Trenton, N. J. Filed May 10, 1923. Serial No. 638,035. 8 Claims. (Cl. 92—61.)

1. Apparatus for forming compressed pulp products, comprising a press having two members between which the pressing is effected, one movable toward and from the other; means for effecting such movement; and an endless wire belt suitably supported and extending in two stretches between said press members, whereby the two



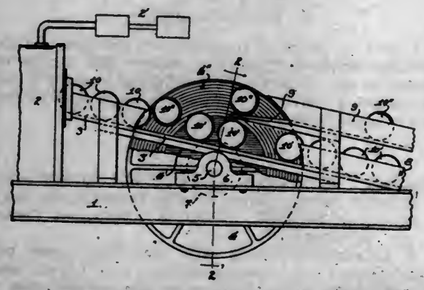
stretches may be pressed into immediate contact and constitute a draining surface for pulp introduced between said press members.

1,485,895. METHOD OF AND APPARATUS FOR SEPARATING LEAKS FROM TIGHT CANS. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed June 20, 1923. Serial No. 646,576. 4 Claims. (Cl. 83—92.)



1. The method of separating the "leaks" from the tight, product-filled, sealed cans, comprising first exposing the cans in a heated region adapted to bulge the ends of some cans, leaving others non end-bulged; and then automatically presenting all the cans to a space closed to the passage of the end-bulged cans but open to the passage of the non end-bulged cans.

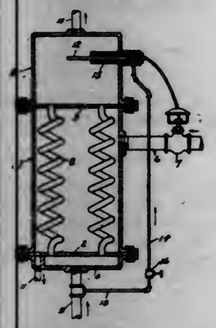
1,485,896. METHOD OF AND APPARATUS FOR SEPARATING LEAKS FROM TIGHT CANS. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Nov. 7, 1923. Serial No. 673,394. 4 Claims. (Cl. 83—92.)



1. The method of separating the "leaks" from the "tight" product-filled, sealed cans, comprising exposing the cans in a region under fluid pressure above atmos-

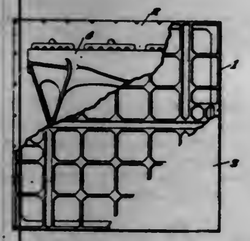
pheric, adapted to equalize the external and internal pressure upon the "leaks"; discharging the cans from said region, to release the external pressure and cause the "leaks" to bulge their ends; and automatically segregating said cans according to the difference of their end bulge.

1,485,897. TEMPERATURE-CONTROLLING DEVICE. PERRY WEST, Newark, and EARL P. MASON, Summit, N. J., assignors to Anti-Corrosion Engineering Company, Inc., a Corporation of New York. Filed June 20, 1921. Serial No. 478,849. 6 Claims. (Cl. 236—19.)



1. In a device of the class described, the combination with a temperature controlling means normally operated by the flowing fluid whose temperature it controls, of means adapted to cause a fluid of different temperature to flow simultaneously therewith and to accelerate the operation of the temperature controlling means, and means to regulate the relative flow of said fluids.

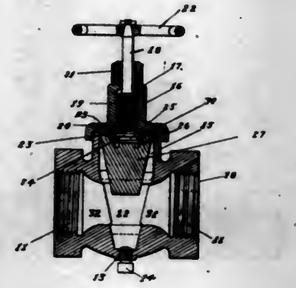
1,485,898. MATCH-BOARD STRUCTURE FOR MOLDS. JOHN C. WICKHAM, Springfield, Ohio, assignor to The Wickham Piano Plate Company, Springfield, Ohio, a Corporation of Ohio. Filed Sept. 14, 1921. Serial No. 500,579. 2 Claims. (Cl. 22—157.)



1. In a structure of the character described, a rigid, metallic, reticulated frame, a wooden slab rigidly attached to one of the faces of said frame whereby it will be supported thereon, and metallic pattern parts secured to the outer face of said slab.

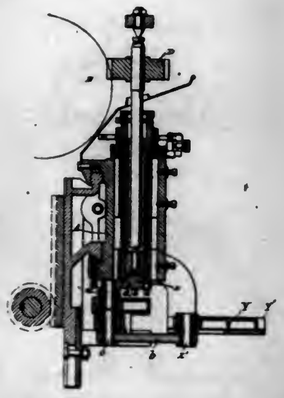
1,485,899. AUTOMATIC CUT-OFF VALVE FOR GAS-SUPPLY PIPES. JOHN WILBUR, Marshalltown, Iowa. Filed Aug. 30, 1922. Serial No. 585,141. 4 Claims. (Cl. 137—162.)

3. An automatic cut-off valve comprising a body portion having a valve opening provided with a valve seat, a detachable cap for the valve opening, a valve stem in said cap having one end extending downwardly in said valve opening, said downwardly extending end being provided with a number of projecting pins, a valve for said valve seat, the upper face of said valve being provided with openings for receiving the downwardly projecting members of said stem in such a manner that the valve is



free to slide off of said downwardly extending portions by gravity, and fusible means for connecting said stem and said valve.

1,485,900. LINK SYSTEM FOR CONTROLLING ROLLING MOVEMENTS. SVEN GUSTAF WINQUIST, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Apr. 13, 1921. Serial No. 461,157. 3 Claims. (Cl. 74—14.)

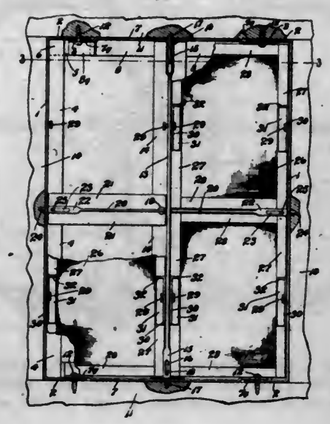


1. A link system for imparting a rolling and sliding movement to a body of revolution, comprising in combination a crank rigidly connected to the axis of the body of revolution and having a length equal to the radius of the said body of revolution, an auxiliary link pivotally and slidably connected to the free end of said crank, a stationary controlling axis and a movable controlling axis for said auxiliary link, the auxiliary link having a constant length between the said controlling axes as and for the purpose set forth.

1,485,901. WINDOW CONSTRUCTION. FAY A. YEAGER, Muskegon, Mich. Filed Mar. 14, 1922. Serial No. 543,606. 6 Claims. (Cl. 20—55.)

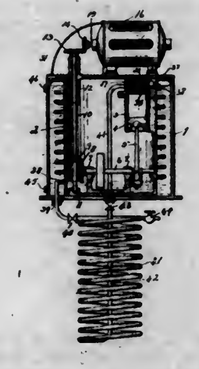
1. A construction of the class described comprising a rectangular frame having parallel sides and ends of angle cross section, each side and end having an inwardly extending flange, division members dividing the space within the frame into substantially equal sections, said

division members having oppositely extending flanges lying in substantially the same plane with the flanges of the sides and ends of the frame, means at the ends of the division members for detachably connecting the same



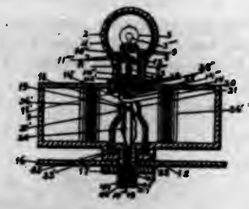
to the frame and to each other, movably mounted locking devices mounted on the sides of the frame and certain of the division members over said flanges whereby members of glass or screen may be secured in the frame against said flanges, or readily removed therefrom.

1,485,902. REFRIGERATING APPARATUS. WERNER ZEINDLER, Philadelphia, Pa., assignor of one-half to George L. Gay, Philadelphia, Pa. Filed Jan. 2, 1920. Serial No. 348,743. 1 Claim. (Cl. 62—115.)



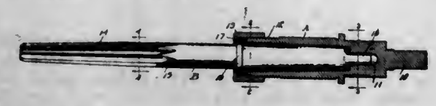
In a refrigerating apparatus, the combination of a casing, a jacket surrounding said casing and spaced therefrom to form a compartment for the circulation of water, a coil disposed in said compartment and encircling the casing, a cylinder within the casing with which said coil communicates, valves controlling the communications between the coil and cylinder, a secondary valve forming a communication between one of the first named valves and the interior of the casing, and a piston reciprocatingly mounted in the cylinder.

1,485,903. PARKING AND SIGNAL LIGHT. JOSEPH LE ROY BANKS, Baltimore, Md., assignor to The Rae-Lite Manufacturing Company, Incorporated, Baltimore, Md. Filed Oct. 13, 1923. Serial No. 668,365. 3 Claims. (Cl. 40—133.)



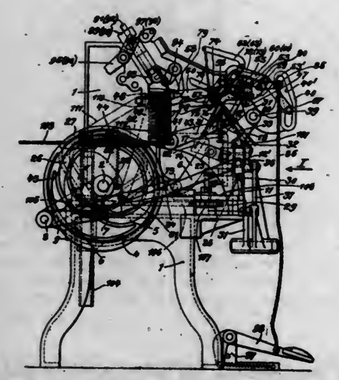
1. A signal lamp comprising a shell having a cam shaped aperture in which a second lamp shell is keyed by a complement of the cam shaped aperture.

1,485,904. REAMING TOOL. SIDNEY M. BELLRINGER, Waynesboro, Pa., assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed June 17, 1920. Serial No. 389,668. 2 Claims. (Cl. 279—91.)



1. In combination, a reamer having a tapered head having an integral inner collar at the base of the tapered portion and an integral tang at one end, a spindle having a tapered socket, another socket communicating with the said tapered socket for receiving the tang, an annular collar having a threaded connection with the lower end of said spindle and also having a flange to extend under the collar of the reamer to draw such tapered parts into close engagement with each other and to force the tang into its socket, substantially as set forth.

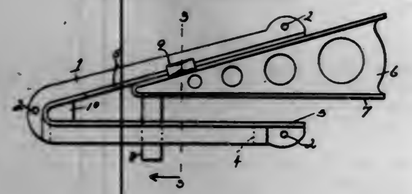
1,485,905. BOOK-FASTENING MACHINE. ULRICH BISCHOF, Horgen, Switzerland, assignor to the Firm Gebr. Stäubli & Co., Horgen, Switzerland. Filed June 1, 1922. Serial No. 565,278. 11 Claims. (Cl. 112—21.)



1. In a book fastening machine the combination of a movable table upon which a sheet to be fastened is to be laid, a trough for receiving liquid paste, means for

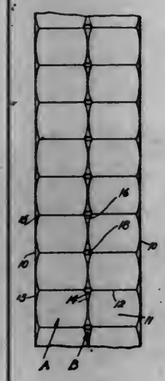
moving the trough towards the table and returning the same from the table, and means for automatically removing paste from said trough and laying it stripewise on the sheet to be fastened.

1,485,906. SELF-ADJUSTING BENCH CLAMP. EDWIN BONHAM and JOSEPH C. WILTBANK, Camden, N. J. Filed May 9, 1923. Serial No. 637,663. 4 Claims. (Cl. 144—307.)



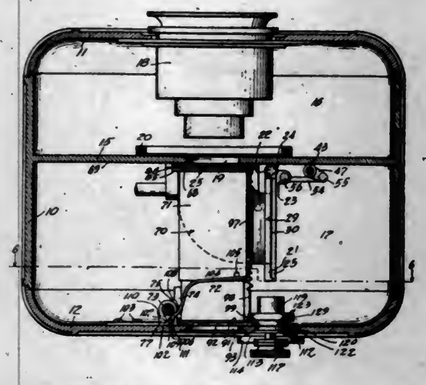
1. A self adjusting clamp of the character described consisting of a stationary member cast in V shape having a jaw and a guide flange, and a sliding member cast in wedge shape having a lip adapted to travel upon the guide flange and also having a bar adapted to project through a longitudinal slot formed in the stationary jaw.

1,485,907. MOTION-PICTURE OR CINEMATOGRAPH FILM. LLOYD BROWN, Los Angeles, Calif. Filed Apr. 19, 1921. Serial No. 462,660. 11 Claims. (Cl. 88—19.5.)



1. A cinematograph film having a picture area extending continuously longitudinally of it and continuously transversely of it to its edges, and a plurality of supporting areas in spaced relation longitudinally and transversely of it.

1,485,908. FOCUSING SYSTEM FOR CAMERAS. LLOYD BROWN, Los Angeles, Calif., assignor to himself and C. B. Hurtt, trustees. Filed May 24, 1921. Serial No. 472,195. 12 Claims. (Cl. 95—44.)

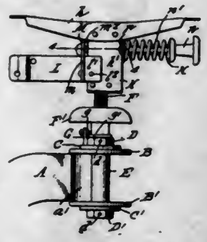


1. The combination with a camera of a telescoping focusing tube pivotally mounted within the camera case, and means to move said tube in and out of operative position.

1,485,909. PROCESS OF TREATING SULPHIDE ORES OF LEAD, SILVER, AND COPPER. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Original application filed Oct. 8, 1919, Serial No. 329,397. Divided and this application filed Oct. 4, 1922. Serial No. 592,408. 4 Claims. (Cl. 75—18.)

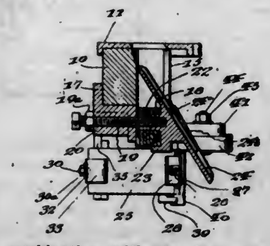
1. The process of treating ores containing some of the sulphide minerals of lead, silver and copper, which consists in treating said ores with a hot concentrated chloride brine solution containing ferric chloride and thereby dissolving the metals of said minerals in said solution as chlorides.

1,485,910. FITTING FOR REVOLVING CHAIRS AND THE LIKE. ROBERT K. DAWSON, Guelph, Ontario, Canada. Filed June 13, 1921. Serial No. 477,074. 7 Claims. (Cl. 155—57.)



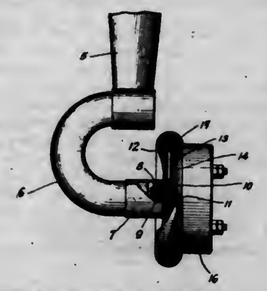
1. In a chair, the combination of a seat supporting member having upwardly extending parts, a pair of back supporting arms each of which is pivotally secured at one end to one of said upwardly extending parts and extends rearwardly therefrom and is provided at its other end with means for supporting a chair back, a plate connecting said arms between the ends thereof and extending transversely thereof, a spring for drawing said plate toward said upwardly extending parts, parts on said plate adapted to engage said upwardly extending parts to limit the movement of said back supporting arms in one direction and a bridge member pivotally engaging said upwardly extending parts and against which said spring bears.

1,485,911. PICKER-STICK CHECK. NAT H. ELLIS, Greenville, S. C., assignor of one-half to Joseph E. Leach, and one-half to F. G. Bunker, both of Greenville, S. C. Filed Nov. 3, 1921. Serial No. 512,540. 2 Claims. (Cl. 139—165.)



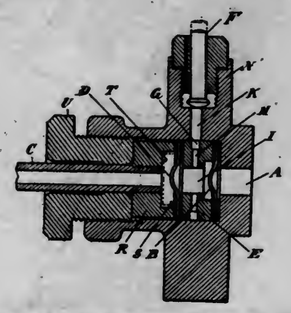
1. The combination with the lay of a loom; of a picker check consisting of a strap composed of pieced sections, a plate to the outer face of which the strap ends are secured for maintaining the strap in looped form, and a guard plate extending alongside the loop at one end thereof on the outside of the strap.

1,485,912. PHONOGRAPH CONNECTION FOR TELEPHONE RECEIVERS. JOHN J. GHEGAN, East Orange, N. J. Filed Apr. 13, 1923. Serial No. 631,815. 5 Claims. (Cl. 179—100.1.)



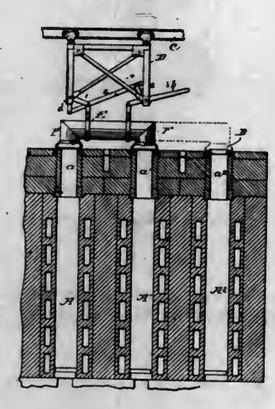
2. In combination with a telephone receiver having a diaphragm and an ear piece detachably engaged thereover and perforated for the passage of sound waves, a sleeve constructed for detachable engagement with the tone-arm of a phonograph and adjustable screw means for clamping engagement with the ear cap through the perforated portion thereof.

1,485,913. GAS-SAVING SAFETY DEVICE. CARL JULIUS ALEXANDER GOTTLIEB, Aarhus, Denmark. Filed Feb. 23, 1921. Serial No. 447,294. 2 Claims. (Cl. 137—53.)



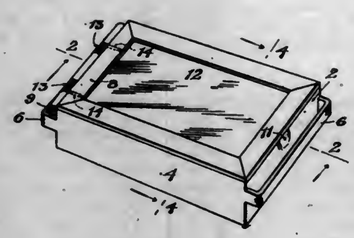
1. In a safety-device for compressors or the like the combination of two yieldable members arranged between the high-pressure side and the suction-side of the compressor, with a channel connecting said yieldable members and normally connected to the atmosphere by an automatic acting air-valve or the like which closes when the high-pressure opens the way for the escape of pressure.

1,485,914. MEANS FOR DISCHARGING SMOKE AND GAS FROM COKE OVENS. JOHN W. GREENE, Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Aug. 12, 1921. Serial No. 491,654. 6 Claims. (Cl. 202—9.)



6. A battery of coke ovens, each of which has a vent opening, provided with a pipe movable longitudinally of the battery and adapted to be connected with the vent openings of adjacent ovens so as to provide a communicating passage between such ovens.

1,485,915. WRIST VANITY CASE. MONROE HAMMEL, New York, N. Y. Filed June 13, 1923. Serial No. 645,072. 2 Claims. (Cl. 224—4.)

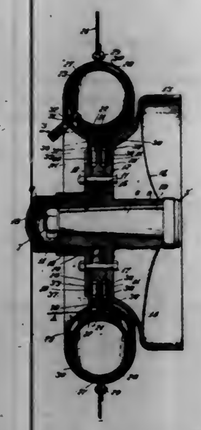


2. An article of the class described comprising a case, a cover hinged thereto, a catch for said cover, a mirror on the outer face of the cover, and a spring located at the hinge for swinging the cover open when the catch is released and holding said cover vertical or nearly so whereby the mirror in said cover is conveniently positioned for use.

1,485,916. WHEEL. HARRY S. HANDLER, Chicago, Ill. Filed May 8, 1922. Serial No. 559,301. 1 Claim. (Cl. 152—46.)

In a resilient wheel, in combination, a hub having an annular shoe, an annular housing in which said shoe is disposed, a pneumatic casing on the shoe within said

housing, radial walls on said hub for supporting said shoe, said housing having spaced walls engaging said hub walls, said spaced walls having recesses therein, an



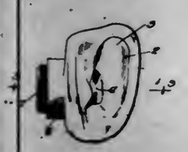
annular web for said shoe, and said web having a plurality of projections for loose engagement in said recesses.

1,485,917. METHOD OF AND APPARATUS FOR MAKING A SHEET-METAL PRODUCT. LOUIS HARTER, Pittsburgh, Pa. Filed June 14, 1922. Serial No. 568,259. 9 Claims. (Cl. 153—77.)



1. The process of forming a sheet metal product which consists in corrugating a sheet of metal and then applying pressure to opposite faces of the sheet in the direction of the height of the ribs to bulge the sides of the corrugations outwardly transversely of their height.

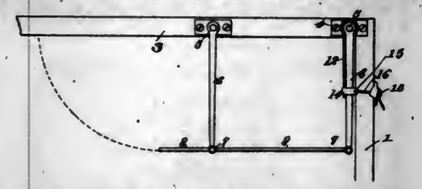
1,485,918. TELEPHONE MOUTHPIECE. HIRAM SAMUEL HEARN, Denver, Colo. Filed Jan. 22, 1923. Serial No. 614,239. 1 Claim. (Cl. 179—187.)



A telephone mouth piece having the form of a human exterior ear provided with a sound passage therethrough having undulations adapted to eliminate the reflection of sound waves.

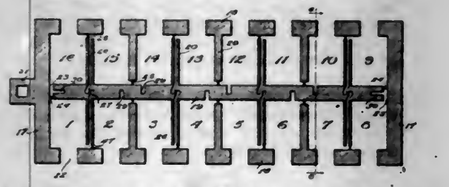
1,485,919. WINDSHIELD CLEANER. GEORGE N. HEIN, San Francisco, Calif. Filed Aug. 10, 1922. Serial No. 581,012. 2 Claims. (Cl. 15—255.)

1. A wind shield cleaner including a pair of arms pivoted at corresponding ends to swing in arcuate paths, a horizontally disposed wind shield wiper pivotally connecting the free ends of said arms, a second wind shield wiper pivotally mounted at one end adjacent to the



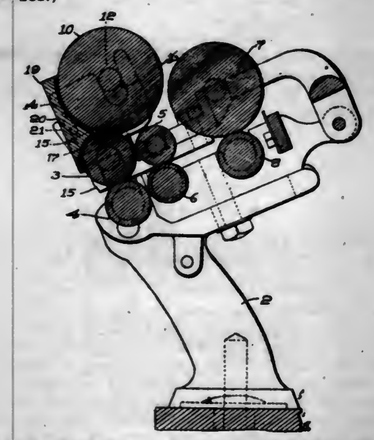
pivot point of one of said arms and disposed with its opposite end connected to one end of said first mentioned wiper and means for operating said arms.

1,485,920. KILN. PETER HEMPEL, Hastings, Nebr. Filed Oct. 5, 1922. Serial No. 592,529. 6 Claims. (Cl. 25—134.)



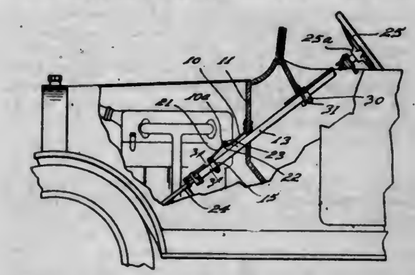
1. A kiln comprising side walls, end walls, a central longitudinal partition terminating short of the end walls, and a plurality of transverse partitions terminating alternately short of the side walls and the longitudinal partition and defining compartments, the longitudinal partition having a smoke-flue extending the length thereof and also being provided with passages establishing communication between said flue and the inner ends of alternate compartments defined by the transverse partitions, and the transverse partitions which terminate short of the side walls being constructed with passages therethrough establishing communication between the smoke flue and the outer ends of the alternate compartments.

1,485,921. SPINNING FRAME. ROBERT F. HERRICK, Jr., Westwood, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed July 5, 1923. Serial No. 649,486. 5 Claims. (Cl. 19—135.)



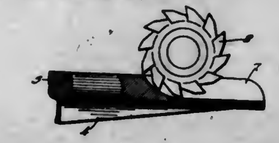
4. In a mechanism of the character described, the combination with a spinning frame including upper and lower drawing rolls, of a weighting roll bearing on said upper drawing roll, brackets at the opposite ends of said rolls having slots therein to receive and guide extensions projecting from the ends of said weighting roll, a clearer engaging the surface of said weighting roll, and projections extending from the opposite ends of said clearer and resting in slots formed for them in said brackets.

1,485,922. STEERING-COLUMN STABILIZER. WILLIAM J. HIGGINS, Lakewood, Ohio. Filed July 10, 1922. Serial No. 573,909. 7 Claims. (Cl. 280—87.)



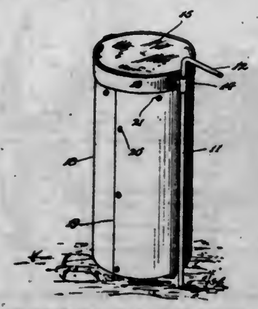
1. The combination with the steering column of an automobile, of an adjustable device connected to said column and to a stationary part of the car and adapted when adjusted to move the column upwardly to take up the slack between it and the hub of the steering wheel.

1,485,923. TROLLEY HANGER AND METHOD OF MAKING THE SAME. OARIS C. HIRTZEL, North East, Pa. Filed Oct. 26, 1922. Serial No. 597,098. 2 Claims. (Cl. 29—155.5.)



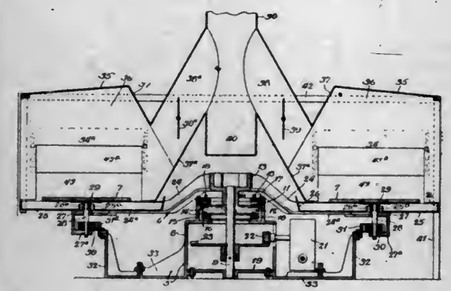
1. The method of forming a trolley hanger having a groove with walls adapted to close around a trolley wire which consists in casting the hanger of metal with a solid groove bar, condensing and shaping the cast metal of the groove bar by forging, and then forming the trolley receiving wire groove therein by cutting.

1,485,924. PLANT PROTECTOR. WILLIAM H. HOBBS, Barnesville, Ohio. Filed Feb. 28, 1923. Serial No. 621,863. 8 Claims. (Cl. 47—31.)



1. A plant protector comprising a supporting stem adapted to be pushed down in the ground, an open frame slidably mounted upon said stem, and a cover suspended on said frame adapted to surround the plant.

1,485,925. WORKTABLE FOR USE IN COATING ARTICLES. WILLIAM HOGENSON, Chicago, Ill., assignor to Chicago Vitreous Enamel Product Company, Cicero, Ill., a Corporation of Illinois. Filed Sept. 8, 1922. Serial No. 586,910. 4 Claims. (Cl. 91—60.)



2. A spraying table comprising a rotatory frame, drip pans removably resting on said frame, turn tables removably supported above said drip pans, and means for intermittently rotating said turn tables on their own axes, including pinion shafts, one for each turn table, each shaft extending above and below the bottom of an associated drip pan.

1,485,926. HYDROGENATION OF OILS. HIRAM CHESTER HOLDEN, Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 9, 1919. Serial No. 329,541. 7 Claims. (Cl. 87—12.)

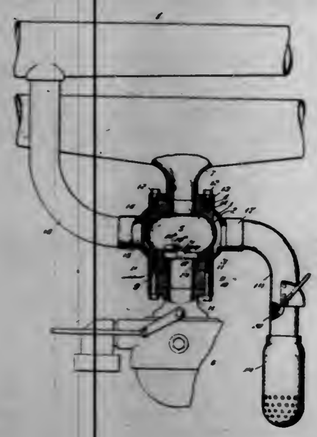


1. The method of hydrogenating liquid fats and oils, which comprises subjecting them, in the presence of a catalyst, to the hydrogenating influence of an uprising body of fine bubbles of hydrogen rising uniformly from a porous distributing plate, the porosity being such to minutely disseminate the hydrogen without permitting obstructive filtration of the oil into the plate; substantially as described.

1,485,927. VAPORIZING DEVICE. KIRK D. HOLLAND, Chicago, Ill. Filed Jan. 8, 1920. Serial No. 350,143. 6 Claims. (Cl. 48—180.)

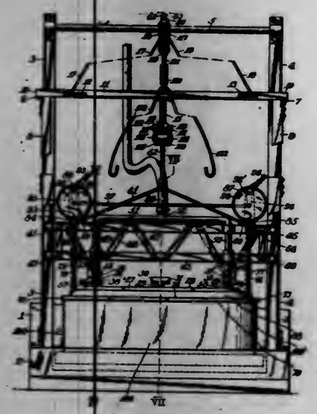
1. A vaporizing device for hydrocarbon engines comprising a casing formed with an inner chamber having an inlet communicating with the carburetor and an outlet communicating with the inlet passage of the engine and formed also with an exhaust vapor jacket in communication with the exhaust passage of the engine and surrounding said inner chamber, and a deflector arranged adjacent the inlet of said chamber and arranged to produce a whirling motion in a column of carbureted mixture extending across said chamber from said inlet to said out-

let and surrounding the axis of such chamber, the heated wall of said chamber expanding laterally intermediately of said inlet and outlet to form an enlargement of the



passageway around said whirling column and the chamber being unobstructed forwardly from the plane of said deflector.

1,485,928. METHOD OF AND MEANS FOR MAKING SHEET GLASS. GEORGE W. HOLSINGER, Vincennes, Ind. Filed Mar. 8, 1920. Serial No. 363,928. 11 Claims. (Cl. 49—17.1.)



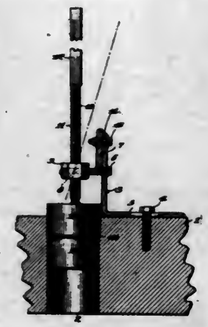
5. Glass-making apparatus including a head frame guided for vertical movement, a former arranged below the head frame and provided with a plurality of controlling rods, synchronously-operated devices mounted on the head frame and having supporting and controlling connections with the controlling rods, a bait to co-operate with the former and provided with lifting devices spaced apart on the top thereof, carrying devices secured to the head frame and extending downward therefrom to be connected to the lifting devices, means to lock the lifting devices detachably to the carrying devices, and a lug device centrally fixed upon the top of the bait to support the bait when the lifting devices are disconnected from the carrying devices.

1,485,929. LENS. LODEWYK J. R. HOLST, Philadelphia, Pa., assignor to Arthur Brock, Jr., Philadelphia, Pa. Filed May 28, 1919. Serial No. 300,395. 3 Claims. (Cl. 88—57.)



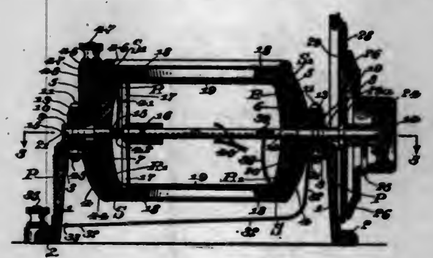
1. A composite lens composed of not less than three separated elements all made from the same material, said separations being regulated relatively to the powers of said elements so as to cause the combined action thereof to substantially eliminate chromatic differences throughout the entire range of the spectrum passed by the material of said elements.

1,485,930. CYLINDER-REBORING TOOL. VICTOR G. HOWIND, Newport, Ky. Filed Feb. 24, 1922. Serial No. 538,934. 3 Claims. (Cl. 77—58.)



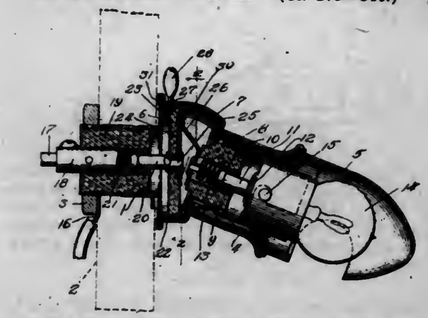
1. A cylinder re-boring tool, comprising a circular disk cutter having cutting teeth about its periphery, a cylindrical pilot member secured at one side of the cutter of a diameter corresponding to the normal diameter of the cylinder to be re-bored, and a cylindrical follower member secured at the opposite side of said cutter of a diameter approximating the cutting diameter of the cutter, said cutter and members connected together as a unit.

1,485,931. COUPLING AND TUNING APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa. Filed Oct. 30, 1922. Serial No. 597,778. 29 Claims. (Cl. 171—242.)



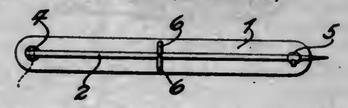
1. Apparatus of the character described comprising coil supports, one of said supports disposed within the other, one of said supports having a spherical winding surface, and means connecting the inner support at its one end with one end of the outer support.

1,485,932. SWITCHING SOCKET. THOMAS J. KERWIN, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Aug. 1, 1921. Serial No. 489,140. 4 Claims. (Cl. 173—346.)



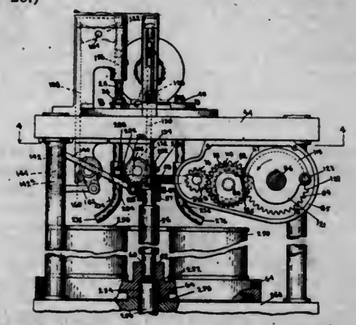
1. In a lamp socket, a shell, a spring pressed terminal-forming plunger carried by the shell, a circular collar rotatable in the shell, an insulating disk in the collar, a radial arm embedded in one face of the disk, a tubular rivet extending through the disk center and the arm to anchor the latter to the disk, said plunger having a tapering tip engaging in one end of the rivet, said arm having a depressed part and said disk having a depressed part to one side of the arm, and a flat spring forming the other terminal and having a nub formed to alternately engage in each of said depressed parts.

1,485,933. SAFETY CATCH FOR PINS. FELIX P. KINTZELE, St. Louis, Mo. Filed Mar. 19, 1923. Serial No. 625,979. 3 Claims. (Cl. 24—156.)



1. A bar pin comprising a bar, a pin having one end pivoted near one end of the bar, and a catch for the pin near the opposite end of the bar; in combination with a pair of resilient arms in connection with the bar arranged to engage the pin between said catch and said pivot and hold the intermediate portion of the pin closer to the bar than either of the end portions.

1,485,934. CHAIN-MAKING METHOD AND MACHINE. WILLIAM I. MACOMBER, Providence, R. I., assignor to Martha M. Macomber, Providence, R. I. Filed Feb. 26, 1921. Serial No. 448,011. 100 Claims. (Cl. 59—25.)



1. The method of making chain that comprises feeding wires successively through a link of each of a plurality of chains, and simultaneously with the feeding of each wire forming into a link one of the wires that has been previously fed through a link of one of the chains.

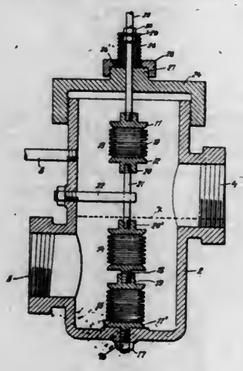
67. A chain-making machine having, in combination, means for successively feeding untreated wires, each through a link of a chain, and means for simultaneously forming a previously fed wire into a link.

1,485,935. SPRING FORK FOR MOTOR CYCLES AND OTHER CYCLES. JOHN PERCY MACLEAN, Newcastle, New South Wales, Australia. Filed Oct. 8, 1921. Serial No. 506,461. 3 Claims. (Cl. 208—97.)



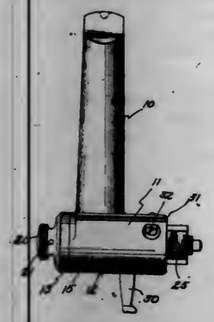
1. In a device of the character described in combination with a crown column of the frame of a cycle and bell crank levers swingably mounted on the ends of the axle of the front wheel of the cycle, of a fork turnably connected to the crown column and having the lower portion pivotally connected with the forward arms of the bell crank levers, other levers fulcrumed to the upper portion of the fork, a yielding connection between the upper ends of the last mentioned levers and the upper portion of the fork, operable connections between the lower portion of said last mentioned levers and trailing portions of the bell crank levers and approximately parallel with the main lower portions of the fork, substantially as and for the purposes set forth.

1,485,936. VACUUM REGULATOR. JOSEPH F. MUSSELMAN, Bronxville, N. Y., assignor to Anti-Corrosion Engineering Company, Inc., a Corporation of New York. Filed Sept. 18, 1920. Serial No. 411,259. 7 Claims. (Cl. 103—15.)



1. In combination with a chamber adapted to have water circulate therethrough, means for creating a vacuum in said chamber, and a plurality of connected and co-operating means for automatically regulating said vacuum creating means according to the volume of gas given off by and temperature of the water flowing through said chamber and adapted to maintain a predetermined differential relationship between the temperature of the water and the degree of vacuum in the chamber.

1,485,937. ADJUSTABLE BORING TOOL. PHILIP J. RAAB, Beaver Falls, Pa. Filed Mar. 6, 1923. Serial No. 623,295. 1 Claim. (Cl. 279—6.)



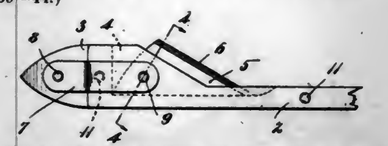
A boring head comprising a main horizontal body having a square longitudinal passage, a tapered shank formed at one end of said body, said body having a slit extending parallel to its axis and adapted to give resiliency to the wall of said body, a screw at one end of said body traversing the slit, a square bar slidable in said body and having a longitudinal threaded hole, said bar having an opening passing thru said bar at right angles to the threaded hole, the opening being offset with respect to the length of the bar, the opening being adapted to receive a cutting tool, a screw stud engaging the threaded hole in the bar and being adapted to retain the cutting tool in place in the opening, the slit when closed being adapted to lock the slidable bar in position in the body, a screw at the shank end of said body engaging the threaded hole in the corresponding end of the bar, said screw when rotated being adapted to offset the cutting tool with respect to the axis of the shank, and means for retaining said screw in place in the body.

1,485,938. HAND-POWER ATTACHMENT FOR WINDMILL SUCKER RODS. JOHN W. TAYLOR, Fort Worth, Tex. Filed July 30, 1923. Serial No. 654,706. 4 Claims. (Cl. 103—207.)



1. Hand pump attachments for sucker rods comprising a severed sucker rod, extension members riveted to the severed ends of said sucker rod, each extension member having a loop which receives the other extension member loosely by which said extension members are guided in their vertical motion, a link bar pivotally connected to one of said extension members, and a lever fulcrumed in said link bar and pivotally connected to the other extension member.

1,485,939. PILE WIRE. RALPH E. THOMPSON, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a Corporation of Delaware. Filed Nov. 1, 1920. Serial No. 420,962. 5 Claims. (Cl. 139—44.)

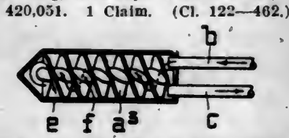


4. A pile wire constructed at its free end of sheet metal folded along the bottom edge of the wire and provided with a blade-receiving recess formed half in one fold and half in the other, said folds being in contact with and secured to each other in front of and behind the recess.

1,485,940. PURIFICATION OF FUSEL OIL AND AMYL ALCOHOL. HERMAN F. WILLKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,757. 7 Claims. (Cl. 260—158.)

1. The process of purifying an impure amyl alcohol comprising treating it with an oxidizing agent while cooling the reaction mixture.

1,485,941. SUPERHEATER. WILHELM WULF, Neumunster, Germany, assignor to Edeldampf-Gesellschaft m. b. H., Hamburg, Germany. Filed Oct. 27, 1920. Serial No. 420,051. 1 Claim. (Cl. 122—462.)



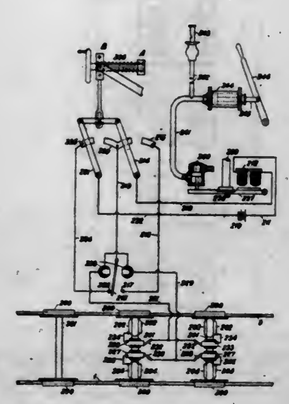
In a tubular boiler, the combination, with a plurality of smoke-tubes, of superheating elements located within them and consisting each, firstly, of a superheating tube-head consisting of a closed casing located within the smoke-tube near to its furnace end, and of two spirally shaped blades wound one within the other, forming two steam-passages running one within the other and being connected with each other at the furnace end of the said casing; and secondly, of two straight tubes connected with the said steam-passages, extending through the other portions of the smoke-tubes and connecting the said passages with the two header spaces.

1,485,942. CONNECTION FOR CARBON BRUSHES AND THE LIKE. CHARLES W. ADAMS, Saginaw, Mich., assignor to The United States Graphite Company, Saginaw, Mich., a Corporation of Michigan. Filed Apr. 25, 1923. Serial No. 634,602. 5 Claims. (Cl. 171—326.)



3. A carbon block having a hole therein and an electrical conductor in the hole with a securing means therefor, consisting of hammered copper powder, in flaky condition and cleansed and packed into position.

1,485,943. CONTROL OF RAILWAY TRAINS. ARTHUR REGINALD ANGUS, Stockholm, Sweden. Filed Sept. 5, 1918. Serial No. 252,779. 6 Claims. (Cl. 246—4.)



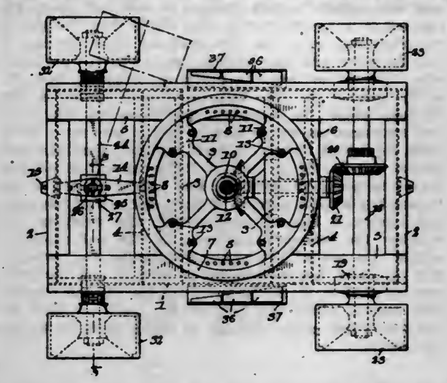
1. Train-controlling apparatus comprising controlling means located on a train and adapted to tend constantly to produce a train-controlling operation, electrical restraining means adapted when energized to restrain the operation of said controlling means, direction-corresponding means adapted to occupy an "up" position and a "down" position in accordance respectively with the directions of travel of said train, an electro-responsive device which is located on said train and whose movable portion is adapted to assume an "up" position and a "down" position in accordance respectively with the directions of flow of the current energizing said electro-responsive device, a circuit located on said train and including a generator of electricity and said electrical restraining means and adapted to be closed by said direction-corresponding means and said movable portion of said electro-responsive device only when both are in said "up" positions or both are in said "down" positions, and means adapted to enable currents to be, externally of said train, caused to flow through said electro-responsive device in opposite directions.

1,485,944. LUBRICATING AND TIGHTENING COMPOSITION FROM PEAT. OSKAR ANZBÖCK, Vienna, Austria, and FLORIAN HOOGENDOORN, Dusseldorf, Germany. Filed Mar. 21, 1923. Serial No. 626,714. 11 Claims. (Cl. 64—19.)

1. As a new composition of matter, a lubricating and packing material, and consisting of a mixture of substantially pure peat fiber with a lubricant.

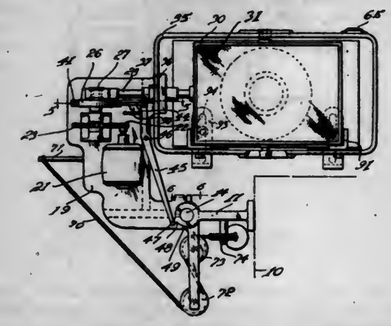
1,485,945. EXCAVATOR SUPPORTING FRAME AND TRACTION MEANS THEREFOR. SVANTE R. W. M. BAGER, South Milwaukee, Wis., assignor to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 7, 1921. Serial No. 443,106. 12 Claims. (Cl. 212—70.)

1. A supporting frame for heavy portable machinery comprising a pair of side bars, a plurality of transverse connecting bars secured to the side bars, a superstructure track mounted on certain of said bars and connected with the same, said track having a central opening, radial arms extending inwardly from the track, a central bearing sleeve having said arms secured thereto and supported thereby, tie bolts extended through said arms adjacent said track and engaged with certain of said transverse bars, and tie-plate members disposed on the



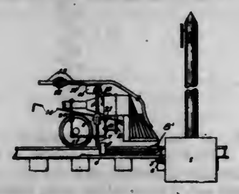
tie-bolts beneath the last mentioned transverse bars whereby said track, last mentioned bars and tie plates are bound rigidly together.

1,485,946. SIFTING MACHINE. JOHN N. BATTENFELD, Cleveland, Ohio, assignor to Jesse R. Battenfeld, Kansas City, Mo. Filed Nov. 18, 1921. Serial No. 516,090. 8 Claims. (Cl. 83—56.)



1. In a power riddle, a frame to support the riddle, means to move the riddle to operative position, power means mounted on the frame for operating the riddle, and means whereby the operation of moving the riddle to position automatically causes the power means to operate.

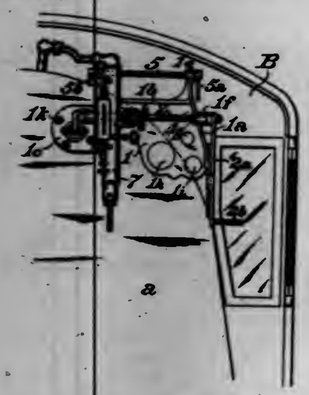
1,485,947. RAILWAY SAFETY DEVICE. WILLIAM O. BAYLESS, Knoxville, Tenn. Filed June 16, 1923. Serial No. 645,863. 5 Claims. (Cl. 246—192.)



4. The combination with an air brake pipe line of a locomotive, a relief valve arranged in said pipe line and having a valve arm, a rock shaft mounted on the locomotive and having a cam engaging said valve arm, one

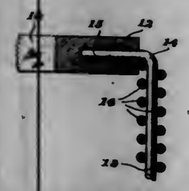
end of said rock shaft being turned downwardly, a swinging arm pivotally mounted in the lower end of said downwardly turned portion of the rock shaft and adapted to be engaged by an obstruction along the side of the track and move the rock shaft to cause the cam to lift the valve arm and release the air in the air brake pipe line for setting the brake, a swinging link pivotally carried by the locomotive and having a slot through which the swinging arm passes to allow the free rearward movement thereof and to prevent a transverse movement thereof, a shaft mounted upon the locomotive and having an arm at its upper end, a rod connected to said arm and extending within the cab of the locomotive, an arm carried by the lower end of the shaft and having a link connection with the swinging link whereby the rearward movement of the rod extending within the cab of the locomotive causes the swinging link to move inwardly carrying with it the swinging arm so that it is moved inwardly beyond the obstruction carried along the side of the track so that the locomotive can pass a danger set signal without setting the brakes.

1,485,948. LOCOMOTIVE-BOILER-ACCESSORIES SUPPORT. CHARLES M. BELL, Schenectady, N. Y. Filed July 19, 1923. Serial No. 652,604. 8 Claims. (Cl. 105—37.)



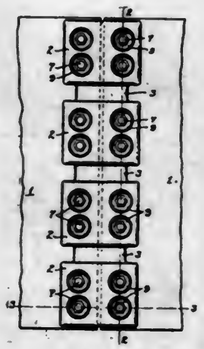
1. An integral support for locomotive boiler accessories, comprising a plate, bearings for a throttle shaft, and a stuffing box for a throttle pull rod.

1,485,949. FURNITURE AND METHOD OF MAKING SAME. JOHN H. BERNS, Jr., and RUDOLPH HOEDT, Tampa, Fla. Filed July 3, 1922. Serial No. 572,391. 2 Claims. (Cl. 155—191.)



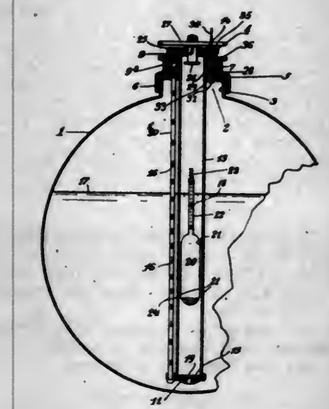
1. An article of furniture comprising a rigid frame structure and a reed structure comprising reeds extending at substantially right angles to the plane of the frame structure and having their ends inserted into the edge of the frame structure at substantially right angles to their major axis forming said angles substantially at the edge of the frame and a woven fabric carried by such inserted reeds maintaining the inserted ends in position.

1,485,950. BELT CLAMP. PAUL ROBERT GEORGE BIEDERMANN, Taft, Calif. Filed July 16, 1923. Serial No. 651,702. 3 Claims. (Cl. 24—37.)



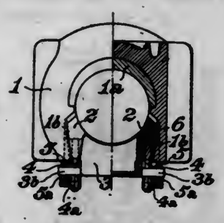
1. A belt-clamp comprising an elongated member having a plurality of longitudinally aligned sections, each section having a smooth belt receiving face with a rectangular depression on each side of the major axis of said member, said depression occupying approximately the semi area of the section; and bolts associated with said member for forcing the belt into frictional engagement with said depressions.

1,485,951. COMBINED LIQUID-LEVEL AND SPECIFIC-GRAVITY INDICATOR. LOUIS BIRK, Brooklyn, N. Y., assignor to International Gauge & Appliance Corporation, a Corporation of New York. Filed Dec. 10, 1921. Serial No. 521,310. 1 Claim. (Cl. 73—120.)



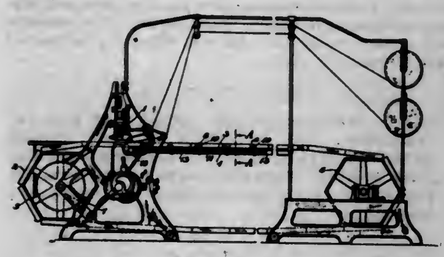
A measuring device comprising a stopper, a bottom member, a glass tube interposed between said stopper and said member, a plurality of rods for securing said bottom member and glass tube to the stopper and for protecting said tube against breakage, the said stopper and the said bottom member each being provided with an opening communicating with the interior of the said tube, a valve for closing the said opening in the stopper, a hydrometer supported within the said tube, means on said hydrometer for guiding the same within the tube, a spring supported at the upper end of said hydrometer and cushioning means interposed between the said tube and the said bottom member.

1,485,952. LOCOMOTIVE DRIVING BOX. JAMES G. BLUNT, Schenectady, N. Y. Filed June 14, 1923. Serial No. 645,806. 7 Claims. (Cl. 64—55.)



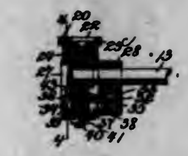
1. The combination of a locomotive driving box; a crown brass therein; supplemental bearings, fitted in the driving box, below its horizontal axial plane; and means to take up wear of said supplemental bearings by a vertical movement.

1,485,953. MACHINE FOR USE IN MAKING BOXES CHARLES H. BOMBARDIR, Chicago, Ill., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Apr. 15, 1921. Serial No. 461,536. 9 Claims. (Cl. 1—83.)



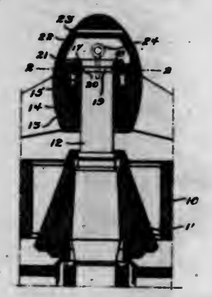
1. A machine for use in making boxes comprising, in combination, work-forwarding means including box part positioning members; binding-wire-applying mechanism; and means to control the location of said positioning members to position a group of box parts in predetermined spaced relationship on said work-forwarding means, said controlling members being adapted to control a succession of groups of positioning members to position a succession of groups of box parts in like spaced relationship.

1,485,954. DOORSTOP. LOUIS F. BRASCH, Newark, N. J. Filed Jan. 4, 1923. Serial No. 610,601. 4 Claims. (Cl. 292—275.)



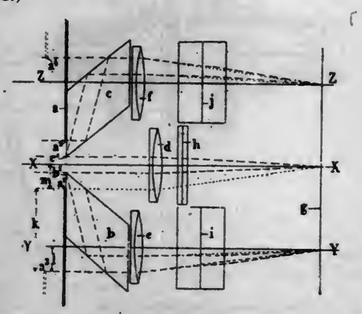
1. A door stop comprising a pivoted rod with a projection at its free end, a member comprising a support and a casing swivelled one on the other, the casing comprising two parts, the upper part having on one end a bearing for the rod and having a recess to receive the projection, the lower part having a recessed portion, a latch pivoted at one end with its free end in the recessed portion, and a spring in the recessed portion, said spring bearing on the under side of the latch.

1,485,955. STONE CRUSHER. CHARLES A. BRAWN, Philadelphia, Pa., assignor to Birdsboro Stone Company, Philadelphia, Pa. Filed Aug. 29, 1921. Serial No. 496,331. 1 Claim. (Cl. 64—48.)



In a device of the class described, the vertical shaft in combination with a split collar arranged about the upper portion thereof, and an annular flange and groove connection between said shaft and collar, said connection between said shaft and collar being arranged at a greater distance from one end of said collar than from the other, as and for the purpose specified.

1,485,956. APPARATUS FOR TAKING AND EXAMINING COLOR PHOTOGRAPHS. CHARLES EMILE BRÉDON, Paris, France. Filed July 30, 1920. Serial No. 400,169. 13 Claims. (Cl. 88—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

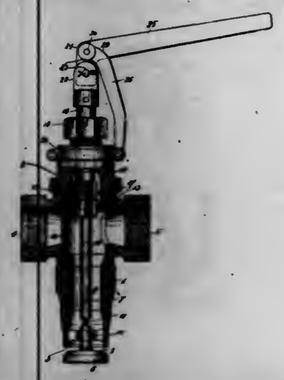


1. In an apparatus for taking photographs in colors by the trichrome process, reflecting faces adapted to divide into several pencils the entering light rays,—objectives so arranged as to be respectively traversed by these light pencils,—a single common diaphragm for the entrance of the light rays, arranged in front of the reflecting surfaces, the opening of the said diaphragm being approximately equal to the utilizable opening of the objectives used.

1,485,957. VALVE. ARTHUR L. BRIDGHAM, Boston, Mass., assignor of one-half to Charles H. Sherburne, Boston, Mass. Filed Apr. 26, 1923. Serial No. 634,763. 6 Claims. (Cl. 277—25.)

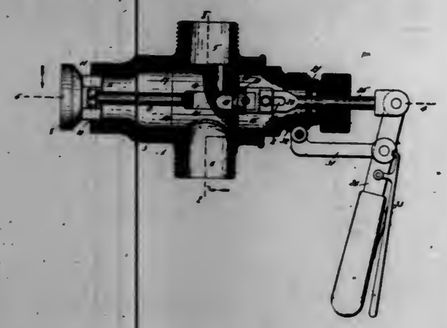
1. In a valvular device, a chambered body having an inlet and an outlet, an inwardly-closing main valve for controlling the inlet, an auxiliary valve socketed to turn within said body for controlling the outlet, a stem connection extending through said auxiliary valve and connecting with said main valve, said stem connection being movable endwise with relation to said auxiliary valve and

being also rotative and in engagement with said auxiliary valve whereby the auxiliary valve may be rotated and positioned as said stem connection is turned, a lever con-



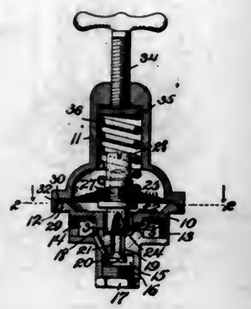
necting with said stem connection for operating it either with an endwise or a rotary movement, and a rotary mounting for said lever.

1,485,958. VALVE. ARTHUR L. BRIDGHAM, Boston, Mass., assignor of one-half to Charles H. Sherburne, Boston, Mass. Filed Feb. 2, 1921. Serial No. 441,780. 3 Claims. (Cl. 137—139.)



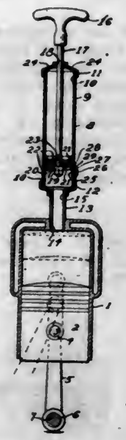
1. A valvular device comprising a chambered body having an inlet and separate outlet passages, a member socketed to turn within the body and close one or the other of said outlet passages dependent upon its turned position, said member having an opening through it whereby entering fluid will pass above said member, said member having also a passage through it from the rear side thereof communicating with that one of said outlet passages closed by said member, a main valve for controlling said inlet from the entry of fluid under pressure, said valve being arranged whereby it will be subjected on opposite sides thereof to the fluid pressure when the valve is open, an auxiliary valve located within the chamber of said body above said socketed member and subjected to entering fluid pressure, said auxiliary valve being arranged whereby it will be subjected in a part thereof facing said main valve to atmospheric pressure entering through the passage through said socketed member from one or the other of said outlet passages whereby said main valve will be overbalanced and maintained by the fluid pressure in an open position and whereby, also, said main valve will be moved by the fluid pressure inwardly to a closed position for closing said inlet passage upon undue drop in pressure within the chamber of said body.

1,485,959. PRESSURE-REGULATING VALVE. WILLIAM J. BROWN, Newark, N. J., assignor to Howard W. Beach, Newark, N. J. Filed Aug. 15, 1922. Serial No. 582,056. 5 Claims. (Cl. 50—23.)



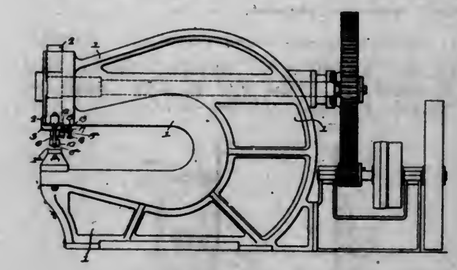
1. A pressure regulating valve comprising a valve casing, a bonnet on the valve casing, a diaphragm secured at its edge between the casing and bonnet, said diaphragm consisting of laminated sheets successively decreasing in diameter, a valve stem secured to the diaphragm and supported thereby, the valve casing having ports therein, and a valve on the stem for controlling the passage of fluid through the ports.

1,485,960. METHOD OF AND APPARATUS FOR DETERMINING THE LOCATION OF THE PISTON WITHIN A CYLINDER OF AN INTERNAL-COMBUSTION ENGINE. BYRON J. CHAPMAN, St. Louis, Mo. Filed May 7, 1923. Serial No. 637,240. 2 Claims. (Cl. 116—114.)



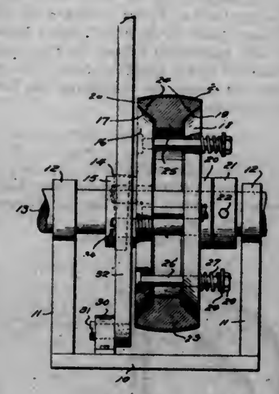
2. An apparatus for determining the location of the piston within a cylinder of an internal combustion engine, comprising a pump and means for attaching same to the cylinder so that the interior of the pump is in communication with the interior of the cylinder, the said pump being provided with air-escape ports forming a whistle operating when the piston is moving in one direction of its stroke to sound with more or less intensity than when the said piston is moving in the opposite direction of its stroke.

1,485,961. PUNCHING MACHINE. EUGENE C. CLARKE, Chambersburg, Pa., assignor to Chambersburg Engineering Company, Chambersburg, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1922. Serial No. 530,808. 7 Claims. (Cl. 164—104.)



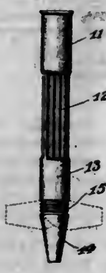
1. The combination with a frame, of a head slidable therein, means for reciprocating said head, a tool carried by the head and movable with respect thereto, an element movably mounted in the head and adapted in one position to engage and retain the tool immovable therein and in another position to disengage the tool, a second element movably mounted on the head and connected with the retaining element, and a pair of spaced elements carried by the frame and adapted to engage the said second element at opposite ends of the stroke of said head to actuate the retaining element in different directions.

1,485,962. CLUTCH. FREDERICK COATES, Cincinnati, Ohio, assignor to Federal Products Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 27, 1921. Serial No. 464,831. 2 Claims. (Cl. 192—150.)



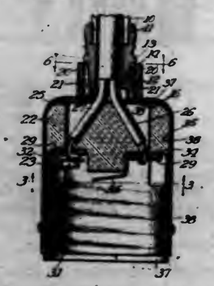
1. In a clutch, a shaft, a pair of opposed friction disks carried by said shaft, one of said disks being fixed to said shaft, an annular driving member located between said disks and frictionally engaged therewith, said member being arranged for engagement by a driving element, means constantly urging the other clutch disk towards the fixed clutch disk, and means for locking the disks and shaft from movement comprising stop pins on one of said disks and a lever pivoted adjacent the stop pin provided disk and having a notch wherein said stop pins may selectively engage.

1,485,963. PROTECTOR FOR DENTAL HANDPIECES. WARD E. CURRY, Bradentown, Fla., assignor to Curry Hand-Piece Protector Co., Hillsborough County, Fla., a Common Law Company. Filed Aug. 9, 1922. Serial No. 580,793. 4 Claims. (Cl. 32—10.)



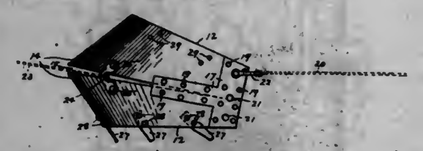
1. A sanitary protector for dental handpieces comprising a tubular member proportioned to cover and grip the hand-piece and having a bellows joint formed intermediate its ends.

1,485,964. LAMP SOCKET. JOHN CUTHBERT, Chicago, Ill., assignor, by mesne assignments, to Economy Fuse and Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed Dec. 4, 1916. Serial No. 135,050. 4 Claims. (Cl. 173—358.)



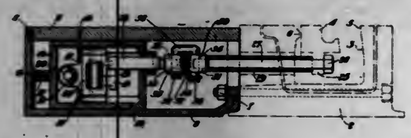
1. In combination with an enclosing shell, of a lamp socket; an internally-threaded sleeve, or member secured to the shell, and circumferentially divided for clamping attachment to a fixture and a ring surrounding said clamping member, having an inwardly-projecting part to clamp the member on the fixture when the ring is rotated on its support.

1,485,965. DRAG SCRAPER. WILLIAM H. DANCE, Cambridge, Mass. Filed Jan. 9, 1922. Serial No. 527,863. 6 Claims. (Cl. 37—147.)



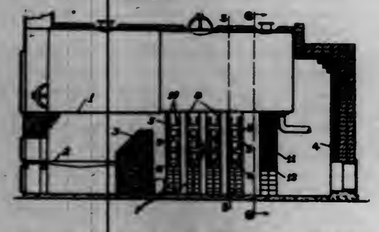
1. A drag-scraper comprising an invertible bucket, having lower and upper edges, each adapted to bear on the ground, substantially flat end portions, perpendicular to the plane of said edges, and an intermediate gathering portion, formed to provide a load-retaining recess between the upper and lower edges, at the front side of the bucket, and provided with a vent-opening between said edges, whereby water accumulated with a load is permitted to escape from the back side of the bucket, and air is permitted to enter the bucket to prevent adhesion of a load thereto, when the bucket is backed.

1,485,966. SWITCH-OPERATING MECHANISM. ISRAEL K. DIXON, Johnstown, Pa. Filed Nov. 3, 1923. Serial No. 672,552. 7 Claims. (Cl. 246—452.)



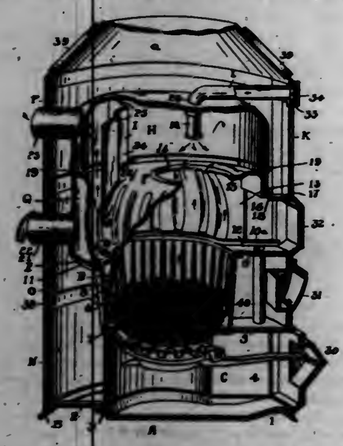
3. A switch tongue connecting rod comprising two parts arranged end for end and provided with apertures adjacent their abutting ends, and a U-shaped connecting link having its lugs passed through said apertures to connect said parts.

1,485,967. COMBUSTION CHAMBER OF BOILER FURNACES. DAVID MILNE DUNCAN, Toronto, Ontario, Canada. Filed May 8, 1922. Serial No. 559,456. 2 Claims. (Cl. 110—97.)



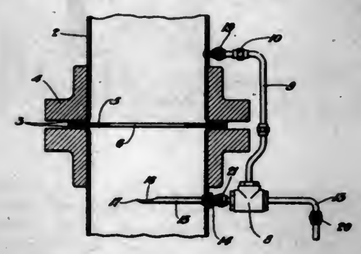
1. The combination in a combustion chamber of a boiler furnace, of a transverse screen removed from the furnace bottom constructed of isolated brick-work forming small spaces for the passage of hot gases, and spaced grilles interposing the said screen and a gate bridge, said grilles being removed from the furnace bottom, each grille comprising alternate courses of spaced longitudinal bricks and a double row of spaced transverse bricks.

1,485,968. HOT-AIR HEATING FURNACE. JOHN W. DUPUY, Beaver Falls Borough, Pa. Filed Jan. 11, 1923. Serial No. 611,944. 21 Claims. (Cl. 126—99.)



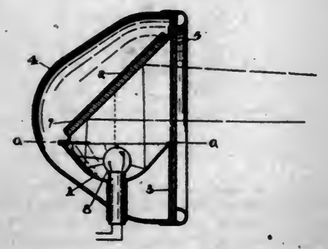
1. In a hot air heating furnace, the combination of a primary combustion chamber receiving the products of combustion from the fire pot, a secondary combustion chamber surrounding said primary combustion chamber and forming a tight closure over the top of the same, the top of said primary combustion chamber being provided with an orifice opening into said secondary combustion chamber and which forms an escape port through which the furnace gases pass upwardly from the primary combustion chamber into the secondary combustion chamber, and an escape port for the furnace gases from the secondary combustion chamber.

1,485,969. LUBRICATING DEVICE. DEXTER EDGE, Pittsburgh, Pa. Filed Feb. 10, 1922. Serial No. 535,486. 4 Claims. (Cl. 184—56.)



4. The combination with a steam main having a restricted portion intermediate its ends adapted to form a high pressure area above said portion and a low pressure and high velocity area below said portion, of a forced feed lubricator comprising a combined oil reservoir and pre-heating chamber, a conduit leading from said high pressure area in said main into the top of said chamber, said conduit having a restricted portion intermediate its ends, a conduit leading from one end of said chamber into the low pressure and high velocity area of said main, said last named conduit extending into the center of the flow path of the steam passing through said main and terminating in an atomizing nozzle, a third conduit entering the other end of said chamber and adapted to conduct oil to said chamber, said conduits being so proportioned and arranged as to maintain a relatively large head of oil at all times in said chamber whereby any pulsations caused by the irregular flow of oil are absorbed and a constant flow of oil is supplied to said nozzle, and means for regulating the flow through each of said conduits.

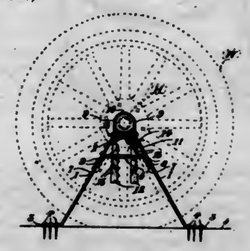
1,485,970. VEHICLE HEADLIGHT. DONALD D. ELDER, Toronto, Ontario, Canada, assignor to Elliptic Auto Light Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Dec. 8, 1920. Serial No. 429,123. 2 Claims. (Cl. 240—41.)



1. In a headlight, the combination of a concave reflector of elliptical form in transverse cross section; a source of light located within said reflector; a plane mirror supported adjacent the concave reflector inclined longitudinally so that the optical axis of the reflector intersects its reflecting surface at substantially an angle

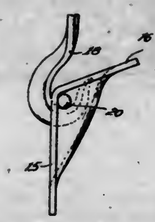
of 45° and set so that the axis of the beam reflected therefrom is substantially in the same plane as the major axes of the elliptical transverse sections of the concave reflector; and means to trap light rays which normally reach the portion of the edge of the concave reflector immediately adjacent the plane mirror.

1,485,971. COMBINED BUCK AND HOLDDOWN. EDWARD S. EVANS, Detroit, Mich., assignor to E. S. Evans & Co., Inc., Detroit, Mich., a Corporation of Delaware. Filed May 24, 1923. Serial No. 641,187. 11 Claims. (Cl. 188—32.)



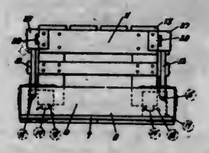
1. In a combined buck and holddown, a buck, and a holddown slidably and interlockingly associated therewith.

1,485,972. MEANS FOR CONNECTING A LOAD TO LOAD-LIFTING MECHANISM. BENJAMIN F. FITCH, Evanston, Ill. Filed Mar. 22, 1922. Serial No. 545,668. 8 Claims. (Cl. 220—91.)



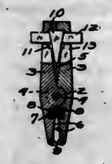
1. In a device of the character described, a one piece member having bearing surfaces thereon lying in two intersecting planes, and having a pocket formed by a portion struck up from said member, so as to interrupt the line formed by the intersection of said surfaces.

1,485,973. FOLDING BOX OR CRATE. CORNELL FLAGSTAD and OSCAR A. FLAGSTAD, Minneapolis, Minn., assignors to The Folding Crate and Box Co., Minneapolis, Minn., a Corporation. Filed Jan. 13, 1923. Serial No. 612,502. 5 Claims. (Cl. 217—47.)



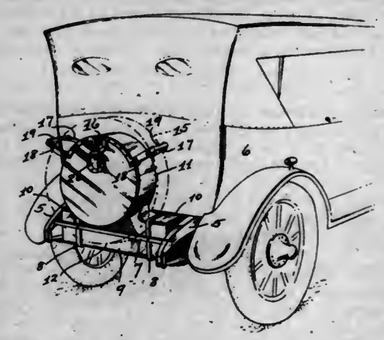
1. The combination with a collapsible crate of the character described, of a hinge plate having one end portion formed at right angles to the opposite end portion and integral with the adjacent edge thereof, hinge bearings formed in said portions by being struck up therefrom.

1,485,974. NAIL PULLER. ALBERT G. FLORIAN, Toledo, Ohio. Filed May 15, 1922. Serial No. 561,049. 2 Claims. (Cl. 254—24.)



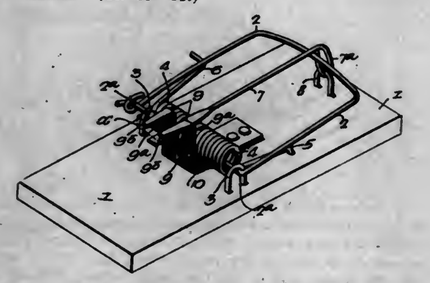
1. In a nail puller, a substantially cylindrical device formed of two semi-cylindrical slotted parts pivotally connected together near the center of the said parts, a wedge located between the upper ends of the said parts and having arms located in the said slots of the said parts for forcing the lower ends of the parts towards each other, substantially pointed clamping jaws located in the lower ends of the said parts whereby the said jaws may be driven into the material in which the nail is located and means for moving the cylindrical device to draw the nail.

1,485,975. GAS TANK FOR AUTOMOBILES. HENRY H. GEIGLEIN, Baltimore, Md. Filed Sept. 6, 1921. Serial No. 498,671. 2 Claims. (Cl. 224—29.)



1. A gas tank for motor vehicles having a lower elongated portion and a circular portion extending upwardly from the elongated portion,—the interiors of said two portions being in communication and said circular portion being of a diameter to be encircled by a tire rim, and means for holding said rim in place on said circular portion.

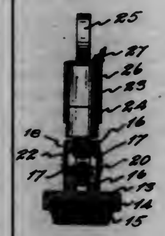
1,485,976. ANIMAL TRAP. WALTER A. GIBBS, Wilmington, Del. Filed Mar. 21, 1921. Serial No. 454,042. 6 Claims. (Cl. 43—81.)



1. In an animal trap, the combination with a spring-actuated animal-engaging element, of a movable member adapted to engage and retain the said element against actuation by the spring, and a relatively fixed element

constituting an abutment for a body interposed between the said fixed element and the retaining member, which body prevents movement of the retaining member to release the animal-engaging element.

1,485,977. CUSHION WHEEL. GEORGE A. GILLEN, Jersey City, N. J., assignor to Gillen Laboratories Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 8, 1922. Serial No. 541,935. 2 Claims. (Cl. 152—47.)



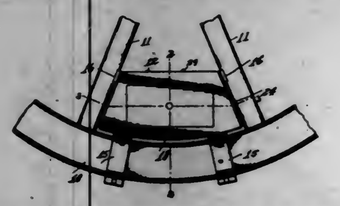
2. A resilient wheel comprising a rim, a hub, a plurality of telescopic spokes connecting hub and rim, and substantially independently inflated rubber cushions with each spoke exerting outward pressure on its telescoping parts, the rim being subjected to circumferential tension by the radial pressure exerted by the several spokes.

1,485,978. METAL CASING FOR LEAF-SPRING COVERS. ALBERT E. GOLDRICK, Cleveland, Ohio, assignor to Carl W. Schaefer, Lakewood, Ohio. Filed Jan. 10, 1922. Serial No. 528,331. 13 Claims. (Cl. 267—37.)



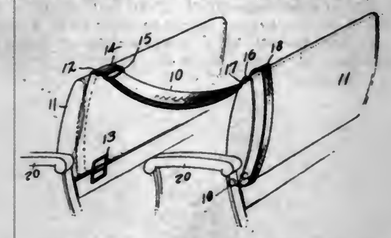
1. A spring cover comprising a spiral casing adapted to engage the spring on three sides thereof, and a closure member for the fourth side, said member cooperating with the casing to form a tube completely surrounding the spring.

1,485,979. HAND WARMER. ETHEL E. GURR, Oxford, Ohio. Filed Mar. 12, 1923. Serial No. 624,572. 1 Claim. (Cl. 126—206.)



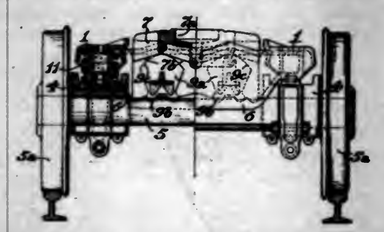
A hand warmer for attachment to the steering wheel of an automobile comprising an approximately trapezoidal box one longer side of which is longitudinally curved to lie against the inner curved face of the wheel rim, the upper wall of the box being formed with an access opening, a fuel receptacle disposed within said opening, draft openings in the box and receptacle, wheel rim engaging clamps carried by said curved side of the box, the inclined ends of the box adapted to lie against the side faces of an adjacent pair of spokes, and spring members secured to the end walls and having their intermediate portions depressed for engaging the said adjacent spokes.

1,485,980. CAR-SEAT HEADREST. FRANCIS CADWALADER HALL, Washington, D. C. Filed July 13, 1922. Serial No. 574,766. 2 Claims. (Cl. 155—174.)



1. A head rest comprising a sling, separated means for suspending the sling to extend in the direction forward of a car seat, one of said means including a strap that passes from the top of the car seat back downward and having a device to interlock with the bottom edge of such back, and a detachable connection between the strap and the sling.

1,485,981. TRUCK FOR RAILROAD ROLLING STOCK. ROBERT F. HALL, Schenectady, N. Y. Filed Nov. 29, 1922. Serial No. 603,916. 5 Claims. (Cl. 105—187.)



1. In a railroad truck, the combination of a frame; a bolster adapted to traverse laterally relatively thereto; and a swinging rocker, journalled in bearings on the frame extending transversely to the bolster, said rocker having cam surfaces abutting against the bolster, which cam surfaces are curved on radii, the centres of which are exterior to the axial lines of the rocker journals.

1,485,982. TRUCK FOR RAILROAD ROLLING STOCK. ROBERT F. HALL, Schenectady, N. Y. Filed Nov. 29, 1922. Serial No. 603,917. 3 Claims. (Cl. 105—187.)



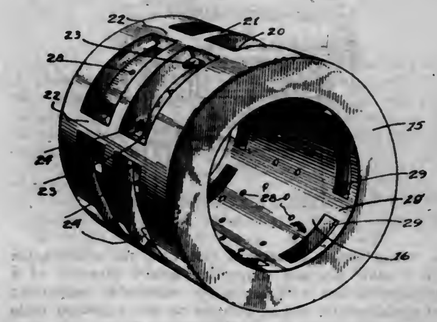
1. In a railroad truck, the combination of a frame; a bolster, adapted to traverse laterally relatively thereto; a swinging cam rocker, journalled in bearings on the frame, extending transversely to the bolster; and means for positively coupling the bolster and the rocker, comprising a pin, fixed in one of said members, and a slot, of varying width, formed on the other, in which slot said pin engages.

1,485,983. HAIR-DRYING APPARATUS. SAMUEL HUDSON, Los Angeles, Calif. Filed Oct. 2, 1922. Serial No. 591,828. 9 Claims. (Cl. 34—26.)



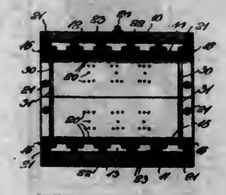
1. A hair drying apparatus, including a blower, a rigid air conduit carried by said blower, the latter being oscillatably mounted so as to be adjustable to raise or lower the discharge end of said conduit and an air directing hood carried at the discharge end of said conduit; said hood being angularly adjustable on said conduit.

1,485,984. SELF-OILING HUB BEARING. JOHN D. JONES, Walla Walla, Wash. Filed June 30, 1923. Serial No. 648,773. 9 Claims. (Cl. 64—24.)



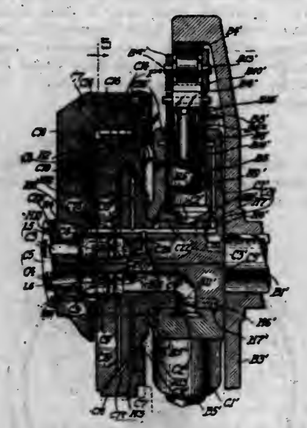
1. A self oiling bearing of hollow cylindrical form and having a centrally disposed annular oil chamber and annular packing receiving recesses at its ends in communication with said chamber, said bearing having a series of longitudinally extending ribs arranged across the oil chamber to divide the same into an annular series of pockets, said bearing having small apertures leading from its interior to the oil chamber and larger packing receiving apertures leading from the interior to said recesses.

1,485,985. VACUUM-CONTROLLED LUBRICATING BEARING. JOHN D. JONES, Walla Walla, Wash. Filed Aug. 3, 1923. Serial No. 655,465. 9 Claims. (Cl. 64—24.)



2. A vacuum controlled lubricating bearing, comprising a shaft and a sleeve, an oil chamber in communication with the interval between the shaft and sleeve, and means to employ atmospheric pressure to maintain a liquid seal between the chamber and the external air.

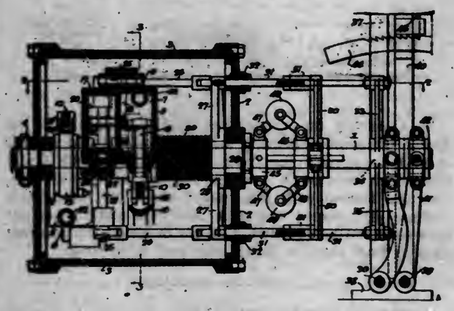
1,485,986. HYDRAULIC TRANSMISSION. WILLIAM E. MAGIE, Buffalo, N. Y., and WALTER FERRIS, South Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 25, 1918, Serial No. 224,503. Renewed Aug. 15, 1921. Serial No. 492,460. 21 Claims. (Cl. 60—53.)



1. In a hydraulic transmission mechanism the combination of a support, a pintle block adjustable thereon, abutting faces on said support and block, fluid passages in said support and block communicating through said faces, a piston and cylinder assembly subjected to the pressure of fluid in said passages and producing a thrust on said block, and opposed faces on said support and block, said opposed faces being inclined in a direction away from the line of said thrust and toward said passages thereby reacting under said thrust to maintain said abutting faces in close contact.

15. In a hydraulic transmission two members rotatable about substantially parallel axes, one of said members having a series of radial cylinder bores, a series of cross heads reciprocating longitudinally in said other member, one opposite each bore, and a thrust transmitting piston reciprocating in each bore and rockably engaged with the adjacent crosshead.

1,485,987. HYDRAULIC CLUTCH. ALBERT H. MANWARING, Noble, Pa., assignor of one-half to Roy A. Manwaring, Noble, Pa. Filed Dec. 23, 1920. Serial No. 432,748. 14 Claims. (Cl. 192—60.)

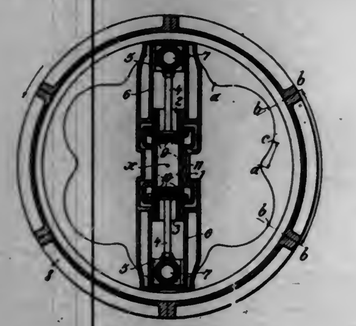


1. The combination of driving and driven members; a fluid clutch operatively connecting said members; a governor operative on said clutch and responsive to the speed of the driven member for maintaining such speed

constant; means independent of the governor for adjusting the clutch to maintain a definite difference in speed between the driving and driven members; and a device for throwing the clutch into and out of operation independently both of said adjusting means and of the governor.

3. The combination of driving and driven members; an eccentric actuated from one of said members; a cylinder connected to the other member; a piston for said cylinder actuated by said eccentric; and valve mechanism controlling the flow of fluid under the action of said piston, with a pump also actuated by the eccentric for supplying fluid to the cylinder.

1,485,988. ENGINE. HERMANN MICHEL, Voorde, Holstein, Germany. Filed Oct. 20, 1922. Serial No. 595,749. 4 Claims. (Cl. 74—14.)



1. In a machine, the combination, with a cylinder, and a piston reciprocating therein, of a cam member cooperating with said piston to control the reciprocating movement thereof, said cam member and cylinder being movable relatively to each other, the configuration of the cam face of said cam member being such that the acceleration of the piston caused by the cam member is smaller at any part of the movement of the piston than the retardation of the piston caused by other forces acting thereon.

1,485,989. DOUBLE CURTAIN-ROD FIXTURE. LONNIE M. MOORE, Hopkinsville, Ky., assignor of one-third to C. Hewlett Jackson and one-third to Vitas L. Gates, both of Hopkinsville, Ky. Filed Sept. 29, 1922. Serial No. 591,305. 3 Claims. (Cl. 156—22.)



3. A fixture for supporting double curtain rods on double windows comprising a plate adapted to be secured to and lie against the front face of the middle frame member of the window, said plate having turned out ends, and also formed with two spaced struck up lugs, intermediate said turned out ends, said lugs and turned out ends constituting supporting means to which the adjacent ends of both pairs of double rods may be secured.

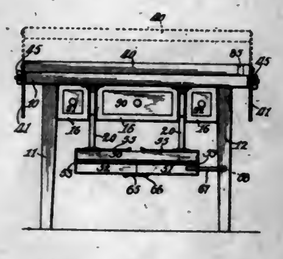
1,485,990. CURTAIN FASTENER. ROBERT A. MOORE, New York, N. Y. Filed Dec. 13, 1922. Serial No. 606,563. 6 Claims. (Cl. 24—221.)

4. In a fastener as set forth, the combination of a head provided with a groove, a co-operating socket member adapted to receive said head and make positive interlock therewith when one is turned at an angle to



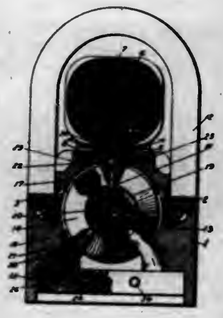
the other, and a tension device carried by the socket member and co-operating with said groove to prevent undesired unlocking of the fastener.

1,485,991. COMBINATION KITCHEN FURNITURE. SIDNEY P. MULLEY, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,712. 6 Claims. (Cl. 45—17.)



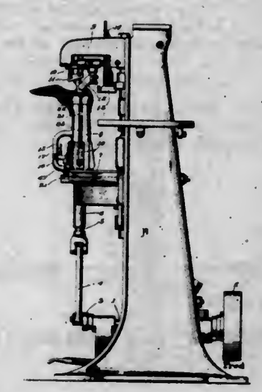
1. In an article of kitchen furniture, the combination with a table top and supporting means therefor, of a supplemental top, and means for adjustably supporting said supplemental top in relation to the aforesaid table top comprising four elongated members fixed to the supplemental table top at their upper ends, and their lower ends having adjustable connections with the other table top.

1,485,992. MAGNETO CONSTRUCTION. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Oct. 30, 1920. Serial No. 420,646. 4 Claims. (Cl. 123—149.)



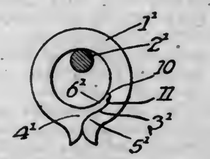
1. In a magneto construction a magneto base, a rotor within the base, a distributer spool located on said rotor within the confines of the base and brushes mounted in the base in contact with the distributer spool.

1,485,993. HEEL-NAILING MACHINE. FRED A. REARDON, Bridgeport, Conn., assignor to Hamel Shoe Machinery Company, Bridgeport, Conn., a Corporation of Massachusetts. Filed Dec. 8, 1920. Serial No. 429,095. 9 Claims. (Cl. 1—32.)



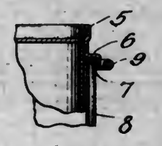
1. In a heel-nailing machine, a shoe-supporting jack, a plurality of nail driving mechanisms disposed within said jack, means for simultaneously actuating said mechanisms, and means for angularly adjusting each of said mechanisms with respect to the others to vary the spacing of the nails.

1,485,994. PROTECTIVE INSULATING SLEEVE. MOSES B. SALISBURY, Chicago, Ill. Filed Dec. 21, 1922. Serial No. 608,340. 6 Claims. (Cl. 173—28.)



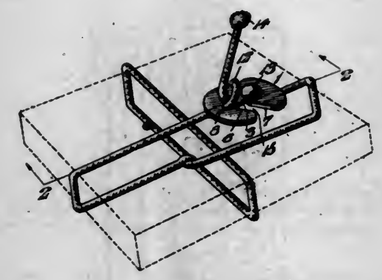
1. A protective sleeve for the purpose specified, made of resilient insulating material, said sleeve being split lengthwise and comprising a lip formed on one of its severed edges which overlaps the other severed edge thereof and bridges the slit of said sleeve.

1,485,995. SHEET-METAL CONTAINER. HENRY J. SCHAFFER, Brooklyn, N. Y., assignor to Jacob Schaffer, Brooklyn, N. Y. Filed May 13, 1922. Serial No. 560,524. 5 Claims. (Cl. 220—41.)



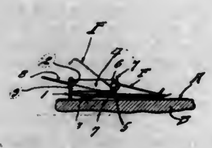
1. In a sheet metal container, a wall having a flanged end edge, and another wall having its periphery formed around the flanged edge for anchoring the walls together and then offset adjacent thereto to form a trackway for guiding a sliding closure.

1,485,996. PACKAGE TIE. GEORGE W. STOUT, Merchantville, N. J. Filed Apr. 18, 1922. Serial No. 555,107. 2 Claims. (Cl. 24—18.)



1. A package tie, comprising a tie body having an oblique slot entering one edge thereof and terminating near the middle of said body in converging walls, which extend at an angle to said slot and meet at an apex located out of alignment with said slot, and an inclined passage formed by converging side walls merging into said oblique slot and terminating in an eye located on substantially the median line of said body, the diameter of said eye being greater than the width of said passage leading thereto at its terminal, and the edge of said body opposite to said oblique slot having a recess therein located intermediately of said apex and eye, and a cord passing freely through said eye but incapable of disengagement therefrom and having cement heads attached to its ends, whereby said cord is incapable of disengagement from the tie body in a lateral or longitudinal direction and forms a unitary structure therewith.

1,485,997. PAPER-FEED GUIDE FOR PLATEN PRESSES. HOSEA H. STRAIT, Overland, Mo. Filed July 25, 1921. Serial No. 487,238. 8 Claims. (Cl. 101—415.)

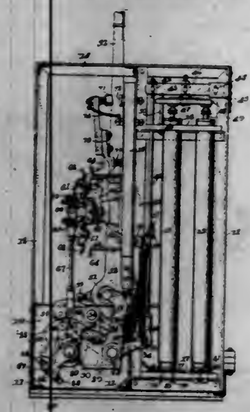


1. A feed guide comprising an abutment, a prong located entirely at the rear of said abutment and having a pointed rear end adapted to pass through a tympan sheet, side arms at the rear of said abutment, a longitudinally adjustable tongue confined between said side arms and extending forwardly from said abutment, said side arms being located at the side edges of said tongue to prevent lateral displacement of said tongue, and a gripping lever adapted to contact with a portion of said tongue whereby said tongue is forced toward said prong.

1,485,998. ELECTRIC-CURRENT CONTROLLER. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 12, 1920. Serial No. 395,707. 65 Claims. (Cl. 219—51.)

1. An electric current controlling device including an elongated frame oblong in cross-section, a compressible resistance means and a mechanically operated rocking type switch mechanism disposed side by side in said frame, a lever independent of the switch mechanism and

disposed at one of the relatively longer sides of the frame and having a pivotal mounting at one end portion of the frame for movement in a plane substantially parallel to



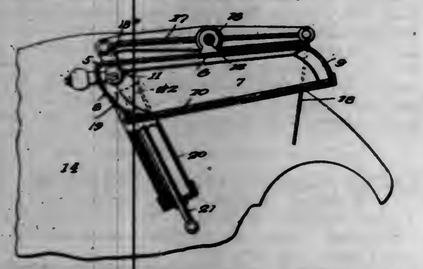
said side of the frame, and means operable by said lever for compressing the pile and operating said switch mechanism.

1,485,999. WIRE STRETCHER. EDWARD J. ABELL, Riley, Kans. Filed Mar. 6, 1923. Serial No. 623,233. 2 Claims. (Cl. 254—72.)



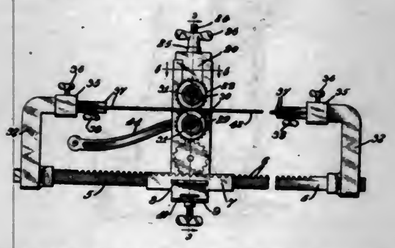
2. A stretcher consisting of a stock, said stock having means to which an element to be stretched may be attached, means movable with respect to said stock to which a second element may be fastened, said stock having spaced bars between which said movable means operate, said first named fastening means being located adjacent one end of said bars, means adjacent said first named fastening means for fastening one of said elements to the stock, and said bars being offset relative to the longitudinal median line of the stock.

1,486,000. LIGHTING MEANS. WILLIAM N. ALLAN, San Antonio, Tex., assignor to The Allan Automobile Accessory Association, Incorporated, Baltimore, Md., a Corporation of Maryland. Filed Apr. 23, 1921. Serial No. 463,776. 9 Claims. (Cl. 240—41.)



1. A lighting organization comprising a body fully open at the bottom and normally disposed at an upward angle of inclination, the body having closed sides, front and rear ends and top, the front end of the body having less depending extent from the top than the rear end and the sides correspondingly decreasing in dependence towards the said front end, a light source mounted in the center of the rear end of the top, the interior portion of all parts of the body having smoothly merging and reversed curved contours, and means for mounting and adjusting the body and operable to always return the body to predetermined normal inclined position and maintain the light source above the lower edge of the front end of the body.

1,486,001. SAW SET. THOMAS COOPER ALLISON, Hohenwald, Tenn. Filed Dec. 15, 1922. Serial No. 607,131. 3 Claims. (Cl. 76—59.)



1. In a saw set, a body portion, gearing supported by the body portion, a pair of cooperating setting dies disposed laterally of the body portion, a bar movable through the body having teeth in mesh with one of the gears to cause the bar to move through the body portion when the gears are rotated, saw supporting means on the bars, means for permitting movement of one die with respect to the other die, and said saw supporting means adapted to support a saw to cause the teeth thereof to move between the setting dies.

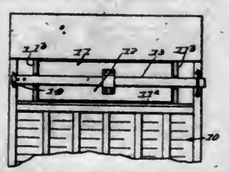
1,486,002. PROCESS FOR THE PRODUCTION OF WATER-SOLUBLE DURABLE PREPARATIONS CONTAINING ACETYL-SALICYLIC ACID. PAUL ALSLEBEN, Berlin, Germany, assignor to Johann A. von Wulfing, Berlin, Germany. Filed July 22, 1922. Serial No. 576,874. 6 Claims. (Cl. 167—7.)

1. The process for the production of water-soluble durable preparations containing acetyl-salicylic acid, characterized by the feature that acetyl-salicylic acid is mixed in equivalent proportions with the slightly water soluble acid neutralizing compounds of the non-poisonous alkali earth metals and preferably pressed into tablets.

4. As new products the herein described tablets which contain acetyl-salicylic acid with equivalent proportions of slightly water soluble acid neutralizing compounds of the non-poisonous alkali earth metals.

6. As new products the herein described tablets which contain acetyl-salicylic acid with equivalent proportions of the carbonate of magnesium.

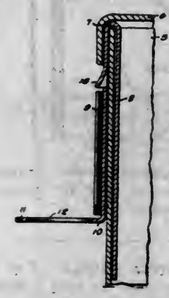
1,486,003. SELF-SOAPING WASHBOARD. WILHELM ANDERSSON, Pearson, Wash. Filed Sept. 16, 1922. Serial No. 589,173. 1 Claim. (Cl. 68—29.)



A wash board having an open soap seat adapted for the reception of soap in bar form and spanned at its front side substantially in the plane of the rubbing plane of the board by stop rods for limiting the forward move-

ment of a soap bar, a follower fitted in the soap seat for contact with a contained soap bar, and a follower actuating and carrying spring hingedly mounted for supporting the follower in contact with the rear side of a soap bar mounted in the seat, means being provided for securing the free end of said spring in its operative position.

1,486,004. TAG HOLDER AND BOX PULL. GUY C. BACKUS, Cleveland, Ohio. Filed May 29, 1923. Serial No. 642,283. 4 Claims. (Cl. 40—8.)



1. A pull clip and tag holder for boxes and the like, comprising a body portion, a finger portion projecting from said body portion, and a label carrying means associated with said body portion, the finger portion forming the bottom wall of the label-carrying means and the support for the label carried thereby, said bottom wall extending throughout the width of the body portion.

1,486,005. SHOCK ABSORBER. CHARLES H. BANKHEAD, Elkins, W. Va. Filed Oct. 28, 1919, Serial No. 333,904. Renewed Jan. 21, 1924. 1 Claim. (Cl. 188—88.)



In a shock absorber for a vehicle, the combination with the upper and lower springs of the vehicle, of a clip plate for the upper spring having a lateral extension formed with a socket, a clip plate for the lower spring, a transversely bored boss, a cylinder having a piston therein, the rod of the piston having a ball movably held in the said socket, and a stem rotatably retained in the said boss transversely of the spring and having a forked outer end embracing the cylinder and having its arms pivotally connected thereto—the last-named pivots being disposed in a plane at right angles to that of the stem.

1,486,006. GLOVE. ALBERT BLOM, Buenos Aires, Argentina. Filed Dec. 6, 1921. Serial No. 520,380. 3 Claims. (Cl. 128—157.)

1. Means to keep on the finger-nails all products applied thereto with the object of curing, beautifying, cleaning and preserving the same, which means consists of a glove having openings in its thumb and each finger adjacent the tips thereof to allow the part which covers



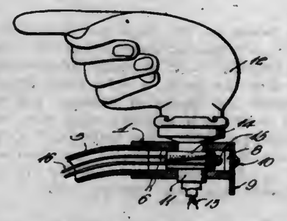
the ends of the fingers, to be fixed thereto after the glove has been put on, and the medicaments applied to the finger-nails without spreading the said medicaments.

1,486,007. COMBINED PENCIL SHARPENER AND HOLDER. WILLIAM T. BOICE, Davenport, Iowa. Original application filed May 17, 1922, Serial No. 561,670. Divided and this application filed May 9, 1923. Serial No. 637,841. 1 Claim. (Cl. 120—87.)



In combination, a pencil sharpener including a tubular split body portion formed with a cone-shaped extension, a knife in the cone-shaped extension, a cam on the body portion, a sleeve provided with a pocket for receiving the cam rotatable thereon so that when the same is moved to place the pocket out of coincidence with the cam the size of the split may be made smaller.

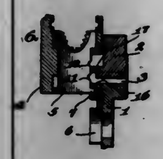
1,486,008. REAR-SIGNAL MOUNTING. EDWIN BOYCE, Pine Bluff, Ark. Filed Sept. 1, 1923. Serial No. 660,631. 2 Claims. (Cl. 116—46.)



1. A device of the class described comprising a hollow supporting body having a bearing opening in at least one horizontal side, a relatively large opening in one vertical side and a cable opening in another vertical side, a collar insertable into said body through said relatively large opening, a signal carrying shaft passing through said bearing opening and into said collar, means for se-

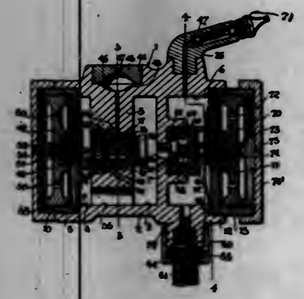
curing said collar on said shaft to prevent removal of the latter from the body, and an operating cable passing through said cable opening and passed aronnd said collar, whereby the latter functions also as a drum for rotating said shaft.

1,486,009. TYPE-BAR-CASTING MOLD. CHANA H. BRIGGS, Little Rock, Ark. Filed Feb. 5, 1923. Serial No. 617,126. 1 Claim. (Cl. 199—47.)



In combination with an elevator and matrices having primary and auxiliary faces carried by the elevator, said matrices having lugs, of an improved mold comprising a mold base having a thin lip, a keeper raised 4 points above the normal position to the thin lip, said lip cooperating with the matrices' lugs, a cap for the mold also having a thin lip to cooperate with the elevator, and end-liners of substantially 18 points between the mold base and cap.

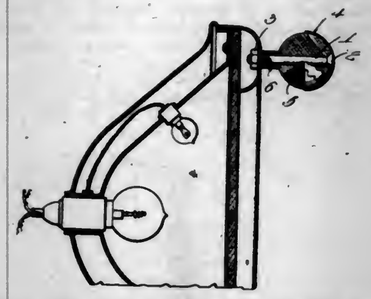
1,486,010. LOW-PRESSURE ALARM. WALTER HENRY BROWN, Pasadena, Calif. Filed May 5, 1923. Serial No. 636,883. Renewed Jan. 21, 1924. 7 Claims. (Cl. 116—34.)



2. In a device of the character described, a casing attachable to a source of pressure and having an outlet, an alarm adapted to be actuated by pressure passing outwardly from the outlet, a valve controlling communication between the source of pressure and the outlet, said valve including a movable valve disk, and a diaphragm supported within the casing and adapted when flexed in one direction to abut a movable part of the valve and to effect bodily movement of the valve disk, said diaphragm being free from the valve.

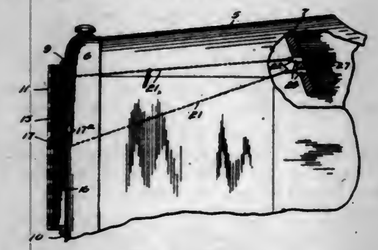
1,486,011. HEADLIGHT INDICATOR. JOHN A. CAMPBELL, Carbondale, Ill. Filed Jan. 8, 1923. Serial No. 611,407. 3 Claims. (Cl. 240—46.)

2. A headlight indicator comprising a stem adapted to be connected to and to extend forwardly from a headlight casing, a rearwardly facing reflector mounted on the front end of said stem, a translucent body mounted on said stem in contact with the rear portion of the



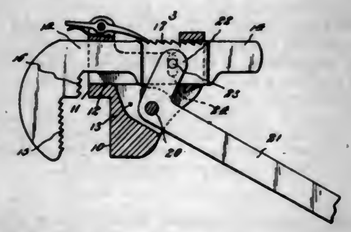
reflector, and a spacing sleeve surrounding the stem behind said translucent body for contact with the rim of the headlight casing.

1,486,012. RADIATOR SHIELD. LEO CHRISTY, Frankfort, Ind. Filed July 2, 1921. Serial No. 482,108. 2 Claims. (Cl. 257—132.)



1. The combination with an automobile radiator, of a shield wholly at the front thereof and comprising a rectangular frame having a plurality of transverse openings therein for the admission of air to and through the body of the radiator, a plurality of vertically movable independent groups of sections slidable over the openings and arranged exteriorly of the frame, and independent controls for the different groups of movable sections leading to the instrument board of the vehicle, whereby said groups of sections may be operated together or independently from a position at the driver's seat.

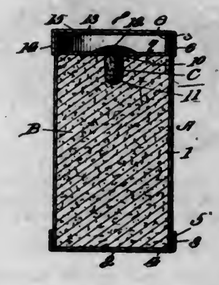
1,486,013. WRENCH. ARMOGENE ROBICHAUX and WILLIAM JOSEPH COLEMAN, New Iberia, La. Filed Nov. 9, 1922. Serial No. 599,902. 1 Claim. (Cl. 81—128.)



In a wrench, a body including a jaw and a guideway having spaced side portions and spaced transverse holding bands and with a socket communicating with the guideway, a stock slidable through the guideway and

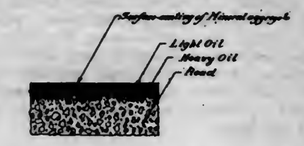
having an opposing jaw and reduced laterally intermediate the ends with ratchet teeth in the reduced portion, an operating lever pivoted in the socket and forked to engage the reduced portion of the stock and pivoted thereto, and a stop pawl carried by the body and engaging the ratchet teeth.

1,486,014. FLARE LIGHT. FRANK DUTCHER, Versailles, Pa., assignor to Central Railway Signal Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,688. 5 Claims. (Cl. 102—24.)



1. A flare light comprising a container having a burning compound receiving chamber, a primer for the compound carried by a supplemental cap within the container, the primer provided with a fuse, and a primer protecting chamber above the primer and the supplemental cap.

1,486,015. ROAD AND METHOD OF WATERPROOFING THE SAME. CALVERT BURKE FILBERT, New Orleans, La. Filed Oct. 14, 1922. Serial No. 594,588. 5 Claims. (Cl. 94—23.)



1. A method of treating ready made road structures having a surface portion of porous mineral aggregate, consisting in first removing dust from the surface portion, then applying a priming water-proofing liquid containing asphalt to the remaining rigid road surface, allowing the major portion of said liquid to be absorbed by the road structure, applying to the road a heavier liquid water-proofing material containing asphalt in a greater proportion than said priming liquid, and then adding a surface dressing of mineral aggregate substantantially coarser than common road dust, upon the second water-proofing material.

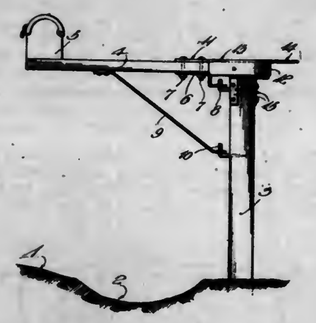
1,486,016. DRAWBAR ATTACHMENT. KAREL F. HAIN, Bee, Nebr. Filed Aug. 17, 1922. Serial No. 582,428. 2 Claims. (Cl. 55—84.)

1. In a draw-bar attachment, the combination of a comparatively small bar, cables secured to the bar, a comparatively long bar arranged in rear of the short bar and secured thereto by means of clevises; said clevises comprising loops open at one end and adapted to be firmly secured about the bars by means of bolts; one of said clevises having an eye formed therein and a hook arranged on one of the bolts adjacent the eye and secured thereto, a bar arranged in rear of the second bar and secured thereto by means of hooks and having teeth arranged thereon.



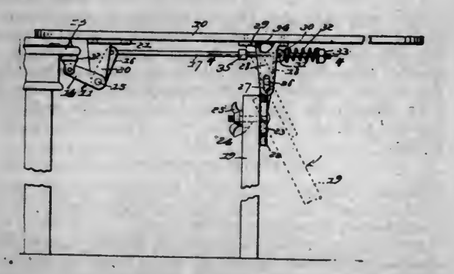
2. In draft means the combination of a short shaft, cables secured to the shaft, a comparatively long shaft adjacent the first shaft and in rear thereof, rings secured in removable manner on the shafts, bolts for closing the open end of the rings securely about the shafts, an eye produced in one of the rings and a hook secured on the bolt of the opposing ring, and a bar secured to the long shaft by means of hooks.

1,486,017. RURAL-MAIL-BOX-MOUNTING MEANS. WILLIAM S. HARDIN, Owaneco, Ill. Filed May 21, 1923. Serial No. 640,514. 3 Claims. (Cl. 232—4.)



1. Means for mounting a rural mail box on a post, comprising a box-carrying arm and means for pivoting it to the post on a vertical axis, a vertically yieldable but horizontally rigid arm connected to and extending from the inner end of said box-carrying arm, and a horizontally curved bar adapted to be mounted on the upper end of said post and having shoulders for engagement with said vertically yieldable arm to normally hold the box-carrying arm against pivotal movement.

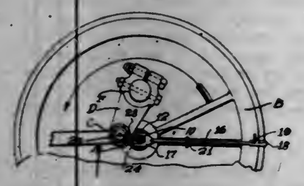
1,486,018. IRONING BOARD. GEORGE M. HENRIE, St. Louis, Mo. Filed Oct. 22, 1921. Serial No. 509,594. 4 Claims. (Cl. 68—10.)



1. An ironing board having a clamp for engaging the edge of a table top or ledge and including a movable jaw, a standard pivotally mounted for swinging move-

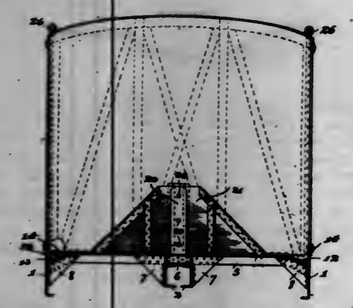
ment into a plane parallel with the ironing board, a latch carried by the standard for engagement with a stationary catch when the standard is in its operative or supporting position, and a tensile connection between said latch and the movable jaw of the clamp yieldingly engaged with the former.

1,486,019. ECCENTRIC-ARM-REPLACEMENT GAUGE. JOHN M. HOPKINSON, Savannah, Ga. Filed June 14, 1922. Serial No. 568,336. 6 Claims. (Cl. 33—180.)



1. A device of the character described including a shaft having means whereby it may be centered upon and held in alignment with a driving axle, an arm mounted upon this shaft, and an angular indicator having its shank adjustably engaged with said arm for movement of the indicator toward or from the axis of the shaft.

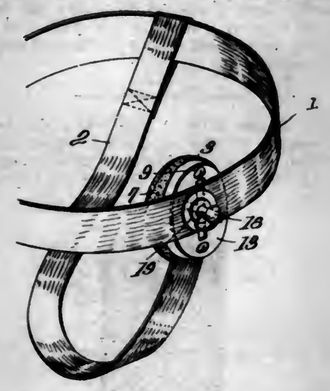
1,486,020. RAILWAY CAR. HENRY F. JEROLAMAN, Chicago, Ill., assignor, by mesne assignments, to Alfred H. Smith, Chappaqua, N. Y. Filed Aug. 18, 1921. Serial No. 493,440. 8 Claims. (Cl. 105—366.)



1. In a railway car, the combination of an under-frame formed with side sills and a plurality of cross-bearers having downwardly inclined end portions attached to said side sills below the upper edges of the latter, and a removable upper-frame seated directly on said cross-bearers and having longitudinal ribs beneath the floor thereof lying between the upper edges of the side sills and the inclined ends of the cross-bearers, substantially as described.

1,486,021. TRUSS. DEWITT C. JOHNSON, National Soldiers Home, Va. Filed Jan. 3, 1923. Serial No. 610,458. 2 Claims. (Cl. 128—124.)

1. A pad for trusses composed of spaced ring-shaped members of different diameters, one of said ring shaped members being provided with a perforated plate, a rubber sponge arranged over said plate and secured to said member by a chamois covering, the other member being provided with top and bottom plates provided with cross-shaped slots, one of said plates being provided with projections and a belt for supporting said pad having a



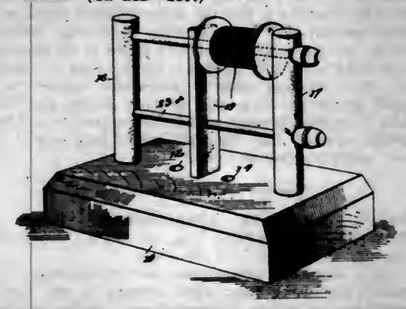
bolt extending therethrough and passing through the cross-shaped slots, said bolt having a flange for clamping said belt against the projections of said plate.

1,486,022. SHEAF CARRIER FOR BINDERS. HOWARD MILTON JOHNSTON, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Canada. Filed Aug. 28, 1922. Serial No. 584,876. 4 Claims. (Cl. 56—478.)



1. The combination with a harvester binder of a shaft journalled thereon adjacent the outer edge of the binder deck; a plurality of curved fingers having journals journalled on said shaft on axes transverse of the shaft; means for rocking the shaft to swing the fingers up and down; crank arms formed on the ends of the journals of the fingers; a connecting rod pivotally connected with said crank arms; and means for longitudinally moving said connecting rod simultaneously with the rocking of the shaft.

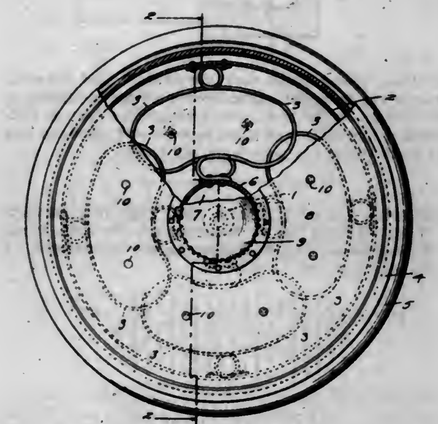
1,486,023. SPOOL HOLDER. WILLIAM KEIM, Brooklyn, N. Y. Filed Sept. 10, 1921. Serial No. 499,699. 1 Claim. (Cl. 242—139.)



A spool holder including a base having openings in the top face thereof, removable posts having reduced ends for insertion in said openings, a central partition

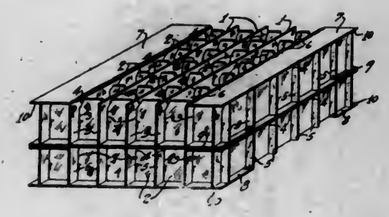
post adapted to be secured in certain of the said openings in the base, said removable posts and central partition post being provided with aligned apertures therein, and rods extending through said openings of the respective posts.

1,486,024. SPRING WHEEL. ARTHUR H. KUTSCHE, Monroe, Mich. Filed May 2, 1923. Serial No. 636,187. 3 Claims. (Cl. 152—51.)



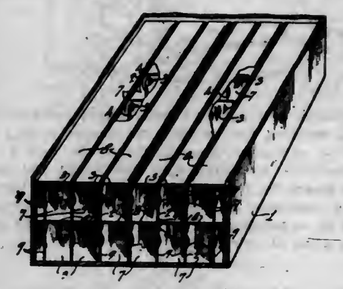
2. A spring wheel having a hub, a felly, resilient spokes, said spokes each having a loop, each loop having its terminals reversed and formed into auxiliary loops, said auxiliary loops being secured to said hub and felly, said spokes being arranged in pairs, and the different spokes of each pair being reversed and having their auxiliary loops in overlapping relation.

1,486,025. EGG CASE. BERTHOLD A. LANGE, St. Louis, Mo. Filed Nov. 24, 1922. Serial No. 602,973. 1 Claim. (Cl. 217—34.)



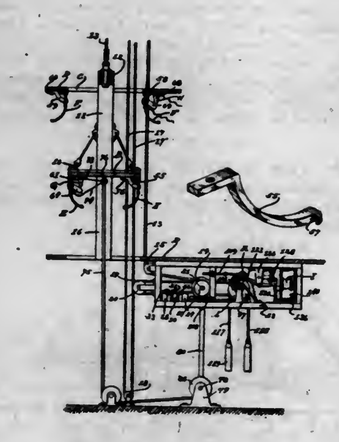
A cellular filler or case for egg crates comprising a plurality of intersecting strips of material spaced from each other to provide a series of egg-cells, predetermined strips adjacent the end walls of said filler being equipped with integral extensions on one longitudinal edge bent at right angles to form parallel pairs of reinforcing flanges, the latter covering the outer rows of cells and projections of said strips, and one pair of flanges being on top of the filler and the other pair on the underside thereof, and said pairs being disposed at right angles to each other.

1,486,026. EGG CASE. BERTHOLD A. LANGE, St. Louis, Mo. Filed Nov. 24, 1922. Serial No. 602,974. 5 Claims. (Cl. 217—31.)



1. An egg-crate filler formed of flexible strips arranged transversely of each other so as to form pockets and each of the strips extending in one direction only carrying a strip extension forming a lid for each individual row of pockets and a floor on the superposed row of pockets.

1,486,027. ELEVATOR SAFETY DEVICE. FRANK E. MAYOTTE, Adams, Mass. Filed July 3, 1922. Serial No. 572,548. 11 Claims. (Cl. 187—40.)



5. The combination with an elevator car and a hoistway, a drum for raising and lowering the elevator car, means for operating said drum including a drive pulley operatively connected to the drum, and a pair of drive belts normally disposed on opposite sides of the drive pulley for operating the drive pulley in different directions, belt shifting means for moving either one of the belts on and off of the drive pulley, of a safety appliance for the elevator including circuit closers carried by the elevator car and by the sides of the hoistway, means for operating the circuit closers carried by the elevator car and hoistway, a pair of electromagnets, the energizing of which is controlled by the circuit closers, a shaft, means for operating the shaft in one direction, means for rotating the shaft in the opposite direction, means operatively connecting the shaft with the belt shifting means, and means controlled by the electromagnets for preventing operation of said shaft rotating means.

1,486,028. FISH BAIT. MURRY M. MEIGHEN, Marion, Ind. Filed May 11, 1922. Serial No. 560,081. 1 Claim. (Cl. 43—35.)



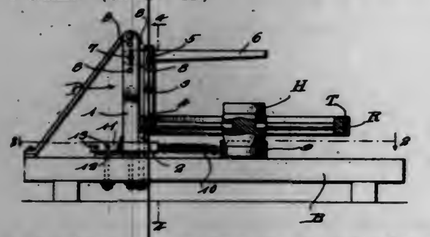
An artificial bait having a hollow body portion, hooks pivotally mounted for swinging movement in said body portion for extension laterally therefrom, and a draft loop operatively connected with the hooks and having terminal means for the attachment of the line, the hook extending movement of the draft loop being frictionally retarded by engagement of the side walls of the cavity with the arms of said loop.

1,486,029. DOOR BOLT. STUART W. PARSONS, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed June 27, 1921. Serial No. 480,575. 3 Claims. (Cl. 292—143.)



1. In a device of the character described, a casing, a bolt slidable in the casing, a lever mounted on said casing, and a cam supported by said bolt, said cam having a contacting surface cooperating with said lever extending from side to side of said bolt, and curved to provide an extensive rolling contact between the cam and said lever for a substantial extent of the throw of the bolt.

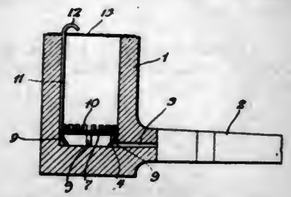
1,486,030. TIRE REMOVER. JOHN W. PENCE, Buffalo, Kans., assignor of one-half to George B. Blackburn, Chanute, Kans. Filed Jan. 2, 1923. Serial No. 610,301. 3 Claims. (Cl. 157—11.)



1. A tire remover comprising a press for forcing the wheel rim from the tire, said press having a ledge to support the tire and a tire engaging stop to prevent movement of the wheel rim onto said ledge, means for supporting the wheel with its tire resting on said ledge, including a movable hub-receiving collar, and a spring having one end anchored to a portion of the press and its other end engaged with said collar to move the wheel and retain the tire in contact with said stop when the spring is stretched.

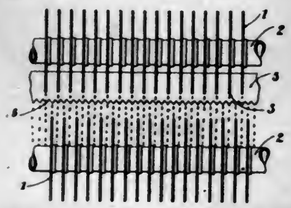
1,486,031. ATTACHMENT FOR TOBACCO PIPES. JOSEPH FLOYD PHILLIPS, New Orleans, La. Filed Nov. 8, 1921. Serial No. 513,770. 1 Claim. (Cl. 131—12.)

A charge supporting device for tobacco pipes, comprising a skeleton frame of ring form having a large central opening and supporting bars therein, and spaced apart lugs and elongated pieces at the outer peripheral marginal edge of said ring, the lugs being bent upwardly at right angles to the frame for contact with the inner wall of a pipe bowl to center the frame therein, and the



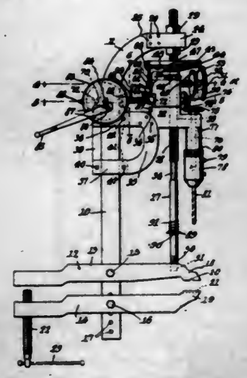
elongated pieces being bent downwardly and inwardly beneath the frame for adjustably supporting the frame on the bottom of the bowl, and a reticulated bottom positioned on the frame and fitted between said upturned lugs for maintaining the bottom on the frame.

1,486,032. AIR SCRUBBING AND COOLING DEVICE FOR ALTERNATORS. MARIUS LÉON POUBCEL, Paris, France. Filed Oct. 24, 1922. Serial No. 596,696. 2 Claims. (Cl. 261—112.)



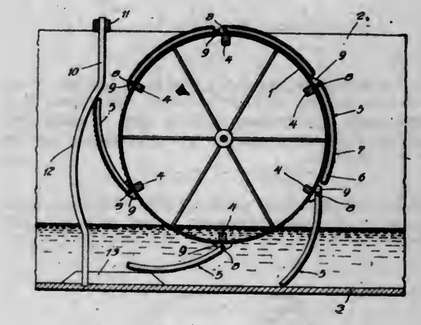
1. A liquid distributing and spreading device for air scrubbing and cooling apparatus of alternators which comprises superposed tubes provided with fins and mounted in a substantially horizontal position, the fins having their upper and lower parts cut in the shape of saw teeth.

1,486,033. DRILL. BENJAMIN RAEBEL, Milbank, S. Dak. Filed June 30, 1923. Serial No. 648,765. 8 Claims. (Cl. 77—19.)



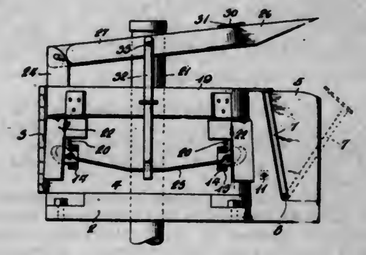
1. A drill of the character described comprising, a support, a carriage movable longitudinally of the support, a chuck secured to the carriage, means to rotate the chuck, means to feed the carriage longitudinally, and means to operate the rotating means and the feeding means including an element mounted to swing with relation to the carriage and also adapted to be bodily shifted to a plurality of positions with relation to the carriage, said element carrying a part to engage the feeding means when the element is in one position and to disengage the feeding means when the element is shifted to another position.

1,486,034. FISH SCREEN. CLARENCE H. RHUDY, Bishop, Calif. Filed Mar. 21, 1922. Serial No. 545,449. 3 Claims. (Cl. 210—174.)



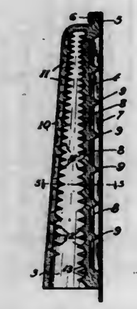
1. The combination with a waterway, of a screened cylinder rotatably carried between the sides thereof and above the bottom, paddle blades on the cylinder for rotation thereof, arcuate screened guards pivoted to the periphery of said cylinder to swing outwardly therefrom on descent and engage the bottom of the waterway, a vertical guide in said waterway and bowed outwardly of the cylinder to engage successive guards for gradual lowering thereof, and abutments on the bottom of the waterway adjacent said guide to engage and retain successive guards in raised position during an appreciable rotation of the cylinder.

1,486,035. PIPE-SUSPENDING APPARATUS. WILLIAM EUGENE RICH, Bradley, Ark. Filed Apr. 2, 1923. Serial No. 629,539. 3 Claims. (Cl. 34—249.)



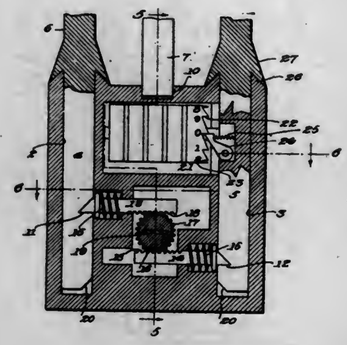
1. A device of the character described comprising a base formed of separable sections, means for securing said sections in assembled relation, a plurality of clutch dogs pivotally mounted through each of said sections, springs connecting the outer ends of said dogs and adjacent base sections, said springs acting to depress the inner ends of said dogs, rods connecting the outer ends of all of the clutch dogs on each section, depressible levers on each of said base sections, means for connecting said levers as a unit when said base is assembled, depending links pivoted to said levers on each section and engaged with said connecting rods whereby said rods and dogs are depressed on depression of the levers to elevate the inner ends of the clutch dogs.

1,486,036. RADIANT. FRANK V. RISINGER, Cleveland, Ohio. Filed Sept. 9, 1922. Serial No. 587,172. 6 Claims. (Cl. 126—92.)



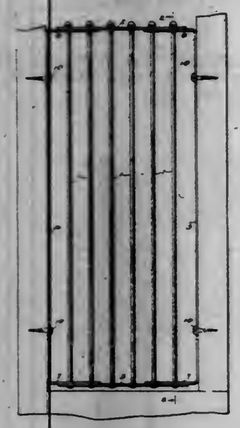
1. A radiant having parallel closed sides, inclined perforated front and straight recessed back, whereby dead air spaces are formed at the back of the radiant.

1,486,037. LOCK. JOHN ROUSSEAU, Chicago, Ill. Filed May 9, 1921. Serial No. 467,871. 2 Claims. (Cl. 70—110.)



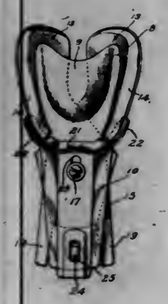
1. In a lock, a body, a substantially U-shaped shackle having spaced shanks, said body provided with entrance openings to receive said shanks, said shanks having recesses upon their inner faces, a rotatable cylinder extending transversely of the body, teeth on said cylinder, a locking bolt upon opposite sides of the cylinder engaging said teeth, springs normally urging the outer ends of said locking bolts into the entrance openings for engaging the recesses in the shanks to retain the shackle in locking position, a recorder mechanism carried by said body, and means operable upon unlocking movement of said shackle to operate said recording mechanism.

1,486,038. DOOR GRILL. TURNER C. RUSH, Lexington, Ky., assignor to John B. Erd, Lexington, Ky. Filed Aug. 1, 1922. Serial No. 578,915. 3 Claims. (Cl. 20—71.)



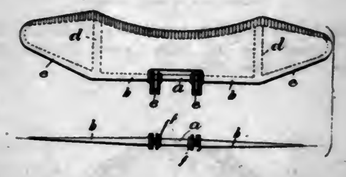
1. A door grill comprising a plurality of parallel bars supported by end plates, a pair of lateral plates having slotted projecting limbs slidably engaged with the end plates and bars for the adjustment of the width of the grill, said lateral plates having bayonet slots to engage with suitable fastening means on the frame of the opening in which the grill is to be disposed.

1,486,039. DENTAL IMPRESSION TRAY. JUAN DE JESUS SANTOS, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,707. 2 Claims. (Cl. 32—6.)



1. In a dental impression tray, a base plate including an extension at one end, side sections including intermediate plates arranged in superimposed relation pivotally connected to said base plate and having extensions at adjacent ends projecting outwardly beyond the longitudinal edges of the extension of said base plate when the side sections are in contracted position, said extensions of the plates of said side sections forming handles for swinging the side sections about their pivotal connection with said base plate, and a front section superimposed upon the extension of said base plate and capable of longitudinal movement with respect to said plate when the extensions of said side sections are moved in one direction.

1,486,040. TUNED MECHANICALLY-OSCILLATING SYSTEM. GEORG HEINRICH SCHIEFERSTEIN, Charlottenburg, near Berlin, Germany. Filed Aug. 24, 1921. Serial No. 495,142. 7 Claims. (Cl. 115—28.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of propulsion in a fluid medium, which consists in setting up high frequency oscillations in a flexible blade by vibrating it at a rate of speed synchronized or in tune with the natural period of oscillation of said blade.

1,486,041. PORTABLE FIRE EXTINGUISHER. KARL SCHMIDT, Neuruppin, Germany. Filed July 13, 1923. Serial No. 651,414. 2 Claims. (Cl. 299—95.)



1. In a portable liquid fire extinguisher of the kind described having plural discharge tubes in connection with a common discharge nozzle, a ball valve for normally closing one of said tubes when the other is functioning, and means for holding said ball valve open when the extinguisher is being charged with liquid.

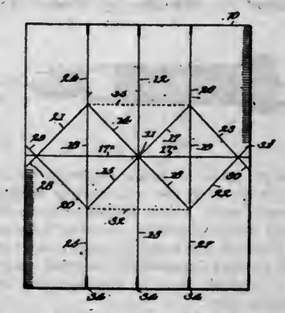
1,486,042. GALVANIC ELEMENT. RICHARD SCHUSTER, Berlin-Halensee, Germany, assignor to Schuster-Adams Chemical Company, a Corporation of Delaware. Filed Aug. 25, 1923. Serial No. 659,380. 10 Claims. (Cl. 204—38.)

1. A galvanic element having a carbon electrode and a zinc electrode arranged in two electrolytes, the carbon electrolyte comprising an alkali bichromate, sulphuric acid and water and the zinc electrolyte, a solution of an alkali, to which sulphuric acid has been added until neutralization is attained.

1,486,043. PAPER BAG. ISABELLA SCHWARTZ, New York, N. Y. Filed May 26, 1922. Serial No. 563,899. 4 Claims. (Cl. 229—61.)

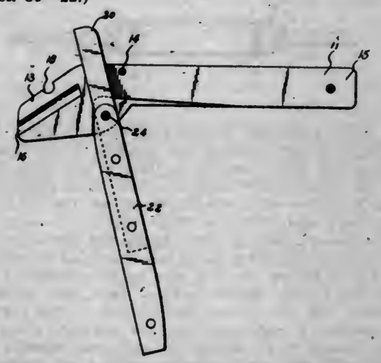
3. An oblong blank of paper for forming a paper bag, characterized by an uneven number of longitudinal fold lines extending substantially throughout its length, and

by an even number of medial fold lines, the latter constituting two squares with their inner corners together



in coincidence with the intermediate longitudinal fold line and whose walls are foldable with respect to each other.

1,486,044. TOOL. GEORGE SHELLCROSSLEE, Canton, Ill. Filed Apr. 30, 1923. Serial No. 635,683. 1 Claim. (Cl. 86—22.)



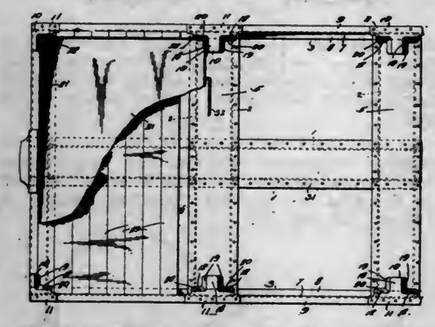
A device of the class described comprising a stationary member formed in longitudinal sections and each including a head offset therefrom, the offset portions having channels therein adapted to form a bore for the fuse, a blade holder operating between said sections, a blade mounted in the holder and adapted to be moved to position for causing said blade to pass longitudinally through the bore, said blade holder including parallel metallic strips having registering apertures and the blade also having an aperture, and a pivot member passing through all of said apertures and through the heads.

1,486,045. LIFT TRUCK. JACOB P. SHUFORD, Gaffney, S. C. Filed Mar. 29, 1923. Serial No. 628,480. 2 Claims. (Cl. 254—2.)



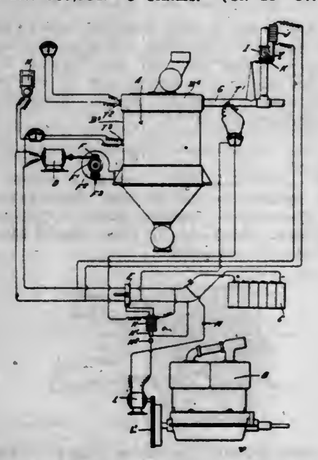
1. A lift truck comprising a frame, bearings thereon near the corner portions of the frame, two spaced shafts journaled in the bearings, cams fast on the shafts near the corner portions of the frame, short plates hinged to the corner portions of the frame and resting on said cams, said plates being widely separated both longitudinally and transversely of the frame and having ridges extending in widely separated alinement to initially receive the load, said plates having angular end portions adjacent the ridges to support the load in the raised positions of the plates, and means to rotate the shafts.

1,486,046. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, New York, N. Y. Filed July 29, 1920. Serial No. 399,677. 15 Claims. (Cl. 105—366.)



9. The combination with a less than car load lot compartment, of a casting depending from said compartment at each corner thereof below the floor of the compartment and provided with a key way.

1,486,047. GAS PRODUCER. DAVID J. SMITH, London, England, assignor, by mesne assignments, to Thomas G. Tulloch, London, England. Filed Mar. 29, 1920. Serial No. 369,514. 8 Claims. (Cl. 48—87.)



1. A method of operating a gas producer, which comprises controlling the output of gas electrically and automatically in accordance with the temperature of the fire within the producer.

1,486,048. METAL RAILWAY TIE AND RAIL FASTENER. WARREN SMITH, Los Angeles, Calif. Filed July 17, 1923. Serial No. 652,130. 3 Claims. (Cl. 238—272.)

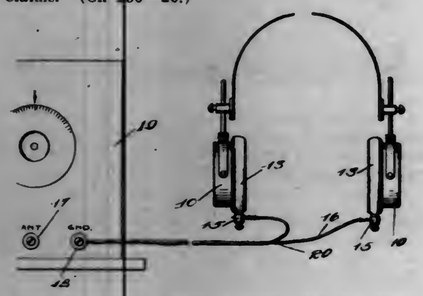
1. A railway rail fastener comprising a chair member including an intermediate portion with vertical sides and horizontal top and adapted to be rigidly attached

to a railway tie, said intermediate portion having diagonally opposite slots, each slot extending into both the vertical sides and horizontal top, and diagonally opposite apertures in the vertical sides, tie bolts extending through said apertures and provided respectively with



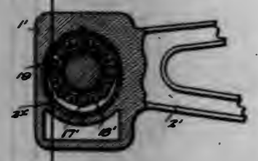
hooked terminals extending through said slots and adapted to bear over the flanges of railway rails from opposite sides, and clamp nuts engaging said bolts and bearing against the adjacent vertical portion of the chairs.

1,486,049. WIRELESS TELEGRAPH AND TELEPHONE INSTRUMENT. GEORGE B. SPRING, Milford, N. H. Filed Oct. 21, 1922. Serial No. 596,011. 3 Claims. (Cl. 250—20.)



1. An aerial for wireless receiving sets embodying a receiving head set comprising a metallic cap carried by the receiver of the head set and adapted to engage against the ear of the wearer, and an electrical connection between said metallic cap and the aerial binding post of the receiving set.

1,486,050. JOURNAL BOX. LEO K. STAFFORD, Detroit, Mich., assignor to The Stafford Roller-Bearing Car Truck Corporation, Lawton, Mich., a Corporation of New Jersey. Filed Jan. 27, 1920. Serial No. 354,425. 2 Claims. (Cl. 64—62.)



1. A roller bearing for railway trucks comprising a boxing having a bore therein for receiving the axle spindle having lubricant openings in the bottom thereof, the wall of the bore and the spindle each being provided with a groove, a case hardened tube located in the bore having openings registering with the openings in the boxing and having a rib thereon engaging the groove, a case hardened tube carried by the spindle and having an interior rib engaging the groove in the spindle, a roller cage located between said tubes, said cage consisting of a series of rings and bars connecting the rings together, the inner rings contacting with each other, a plurality of rollers carried by each pair of rings and retaining means for the cage.

1,486,051. POWER-OPERATED HAND IMPLEMENT. JOSEPH STEJSKAL, Jr., Oak Park, Ill. Filed Jan. 25, 1923. Serial No. 615,430. 4 Claims. (Cl. 29—26.)



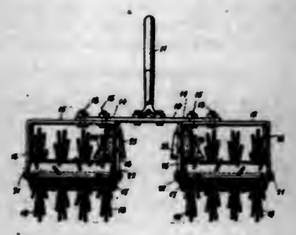
1. A power operated hand implement comprising a handle part, a rotary power transmitting member mounted in said handle part, means including a flexible torsion shaft and an interchangeable connector adapted to effect a specific mode of operation for supplying rotary power to one end of said transmitting member and means for attaching a working tool to the opposite end of said transmitting member.

1,486,052. PRINTING ROLLER. JAMES STEPHENSON, Augusta, Me. Filed Apr. 23, 1923. Serial No. 634,099. 1 Claim. (Cl. 271—51.)



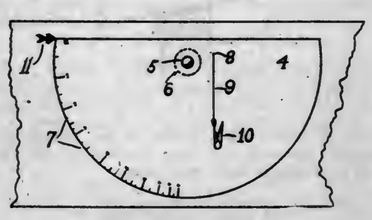
A pinch roller for presses comprising a roller body having externally reduced end portions with shoulders between the larger surface portions of the roller body and the reduced ends, said shoulders being undercut, a collar fitted for axial withdrawal against the end of the roller body and having a flange adapted to snugly fit over the outer part of the reduced end portion of the roller body, said flange being continuous all around the roller and having its free edge portion under-cut and lying in axially spaced relation from the under-cut shoulder, and two semicircular sections fitting together to constitute a continuous ring, the side edges of the ring being beveled to fit within the under-cut shoulder and flange edge, said ring projecting beyond the surface of the roller body and beyond the surface of the flange.

1,486,053. GARDEN CULTIVATOR. JONATHAN M. STEWART, Canton, Ohio. Filed Aug. 3, 1922. Serial No. 579,420. 7 Claims. (Cl. 97—58.)



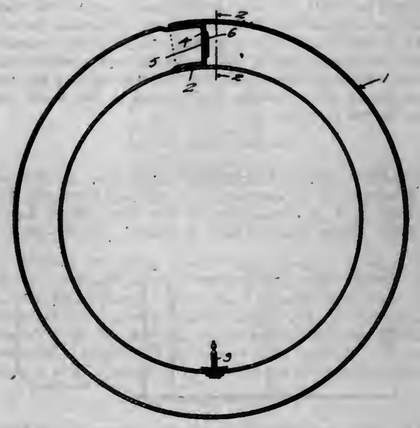
1. A cultivator comprising a cross bar, brackets eccentrically pivoted at each end of the bar, rotatable members secured to said brackets having radially extending spikes thereon, said brackets being adapted when turned on their pivots substantially a half revolution to bring the rotatable members close together or to space them a distance apart sufficient to straddle a row of growing plants and means for holding the brackets in their adjusted position.

1,486,054. LETTER SCALE. ROBERT ALVIN STEVENSON, Lancaster, Ohio. Filed Mar. 23, 1921. Serial No. 454,643. 1 Claim. (Cl. 265—61.)



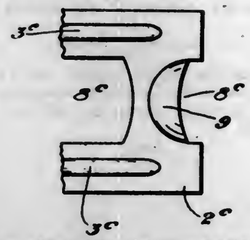
In a device of the class described, the combination with a supporting element having an indicating mark thereon, of a relatively flat member having an arcuate outer edge thereon struck from a center within the area of said member, means fixedly pivoting the member at the center from which said arcuate edge is struck to the support upon which said indicator mark is positioned, whereby the member depends under its own weight to have said arcuate edge lowermost with respect to the pivotal mounting of the member, and means providing delineations upon the plate adjacent the outer arcuate edge thereof extending from said indicator mark upon the support below the pivot point of the member when the same is normally suspended, a flexible cord eccentrically pivoted upon the member upwardly of the pivotal point of the member upon said support, and an article gripping device supported upon the lower free end of said flexible cord.

1,486,055. INNER TUBE FOR PNEUMATIC TIRES. JAMES F. STRANAHAN, Milwaukee, Wis., and JOHN F. MORA, Oakland, Calif. Filed Apr. 10, 1922, Serial No. 551,078. Renewed July 12, 1923. 2 Claims. (Cl. 152—18.)



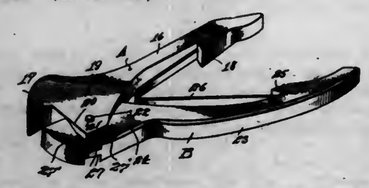
1. A device of the character set forth comprising a tube having its ends disposed one within the other and vulcanized, a wall formed on the innermost end of the tube and provided with an opening, and a reinforcing collar carried by said wall and surrounding the opening.

1,486,056. PALLET FOR BLOCK-MAKING MACHINES. FRANCIS J. STRAUB, New Kensington, Pa., assignor to Crozier-Straub, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 11, 1920. Serial No. 429,890. 1 Claim. (Cl. 25—121.)



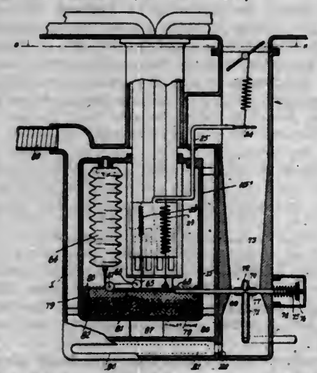
A molding pallet made of comparatively thin sheet metal and provided with an upwardly extending rib at each side and with transverse core openings, and upwardly pressed hand-engaging portions.

1,486,057. BOLT HOLDER. JOHN A. SWITZER, Parr, Ind. Filed Mar. 27, 1923. Serial No. 628,055. 1 Claim. (Cl. 81—13.)



A bolt holding tool for use in connection with an engine crank-case and comprising a pair of pivotally connected bolt head gripping jaws and operating shanks, said shanks being arranged to bear against the side of the crank-case to prevent turning of the tool under the turning tendency of the bolt, and having cooperating stop means for limiting the opening movement of the jaws beyond a parallel position, the inner faces of the outer ends of the shanks having shoulders, and a V-shaped spring between the shanks and having its legs retained by said shoulders for urging the jaws into gripping engagement with the head of the bolt and for supporting the tool in such position without external aid.

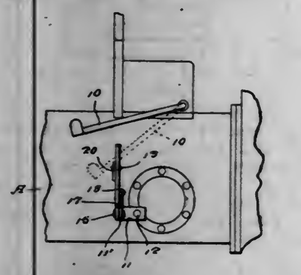
1,486,058. APPARATUS FOR SUPPLYING VAPORIZED LIQUID FUEL TO INTERNAL-COMBUSTION ENGINES. PERCIVAL L. TA'BOIS, New York, N. Y., assignor of one-half to William B. Robeson, Port Huron, Mich. Filed Aug. 26, 1920. Serial No. 406,082. 14 Claims. (Cl. 123—133.)



1. A fuel vaporizing device comprising a closed casing, means for maintaining a level of liquid fuel therein,

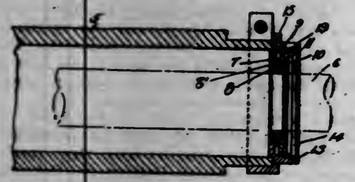
a jacket surrounding said casing, means for passing heated air through said jacket, means for producing and maintaining rarefaction in said casing in order to cause said fuel to vaporize quickly, and a plurality of means directing said vapor and the air of said jacket in proper proportion to the cylinder of an internal combustion engine.

1,486,059. CLUTCH-LEVER LOCK. LEO TRANK, Chico, Calif., assignor to George Trank, Hamilton City, Calif. Filed Aug. 5, 1921. Serial No. 490,035. 2 Claims. (Cl. 74—81.)



1. A tractor attachment comprising a bracket adapted to be secured to the tractor, a lever pivoted upon the bracket and arranged in juxta-position to the clutch pedal, a downwardly inclined hook-like portion constituting one terminal of the lever and adapted to engage the said pedal when the latter is depressed and hold the clutch disengaged, and a partially bifurcated lever pivotally secured to said first mentioned lever adjacent the hook like extremity for engaging and releasing said pedal upon further depression of the latter.

1,486,060. GREASE RETAINER. NICHOLAS W. TRAUTNER, St. Paul, Minn. Filed Oct. 28, 1921. Serial No. 511,200. 1 Claim. (Cl. 286—7.)



In a grease retainer, a body portion having an inner circular flange formed with an inclined wall, the side wall of the grease retainer having its inner surface inclined, a washer positioned in the grease retainer and having an inclined wall cooperating with the inclined wall of the flange, to grip a packing therebetween, said grease retainer having a circular flange at its outer end extending inwardly from the side wall thereof, a coiled spring disposed between the circular flange at the free end of the grease retainer, and the washer and said coiled spring adapted to press the washer into close engagement with the packing positioned between the washer and first mentioned flange to compress the packing.

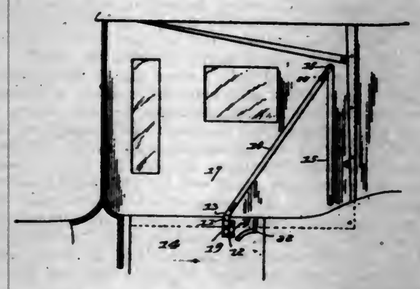
1,486,061. COMBINED FOLDING MAP AND TOURIST'S GUIDE. IRVIN M. VARNER, Boise, Idaho, assignor of one-fifth to John D. Selby, Barber, Idaho. Filed Apr. 2, 1923. Serial No. 629,380. 1 Claim. (Cl. 35—6.)

In a device of the character described, a vertically disposed blank, a horizontally disposed blank superimposed upon said vertically disposed blank, a supporting member secured to said blanks a pad secured to the overlapping portions of said blanks, pads secured to end



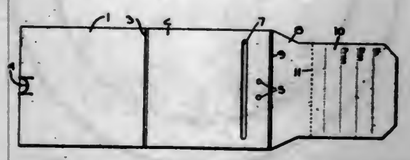
portions of said blanks outside of the margin of said overlapping portions and maps secured to the opposite side of said blanks from said pads.

1,486,062. DOOR-CURTAIN SUPPORT FOR VEHICLES. ARNOLD A. VINES, Princeton, W. Va. Filed Mar. 2, 1922. Serial No. 540,411. 1 Claim. (Cl. 296—139.)



In combination with a vehicle door and a flexible door curtain supported above the door, a curtain support comprising a socket member mounted in the vicinity of the free edge of the door, a standard member which is rigid throughout its length, one end of the standard being secured in the socket member, an intermediate portion of the standard bearing upon the upper edge of the door and the upper portion of the standard being disposed above the upper edge of the door and inclined rearwardly and with its upper end disposed beyond the vertical free edge of the door, means for attaching the curtain to the standard, a stretcher arm pivotally connected with the upper end of the standard and normally disposed vertically beyond the vertical free edge of the door and means for attaching the curtain to the lower portion of the stretcher arm.

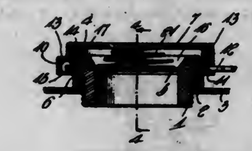
1,486,063. MARKING TICKET. GUSTAF A. WALLIN, Flushing, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1922. Serial No. 579,433. 1 Claim. (Cl. 40—25.)



A marking ticket comprising two connected foldable main flaps adapted to receive between them the article to be marked, one main flap near its free end having a transverse slot and the other main flap near its free end having a fastening device provided with a portion adapted to pass through the fabric and the slotted flap and engage therewith, a covering flap connected to the free end of the slotted main flap, foldable thereupon

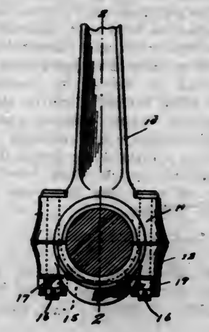
over the fastening device and of a width enabling it to be passed through said slot and extend between the main flaps, and a coupon flap separably connected to the free end of the covering flap, normally concealed between the main flaps, and removable without disturbing the functioning or external appearance of the ticket when in marking position.

1,486,064. TANK CLOSURE. JOSEPH A. WARREN, Manchester, N. H., assignor of one-half to Cleophas J. Giroux, Manchester, N. H. Filed Nov. 7, 1921, Serial No. 513,507. Renewed May 21, 1923. 3 Claims. (Cl. 220—40.)



1. A device of the character described comprising a neck having a valve seat, a cap for fitting upon the outer end of said neck, a valve loosely fitting in said cap, abutment means carried by the cap for limiting outward movement of the valve, and a spring in the cap engaging the valve to hold the valve plate in tight engagement with the valve seat, when the cap is secured upon the neck.

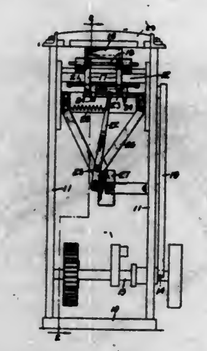
1,486,065. CONNECTING-ROD BEARING. PLEASANT M. WESTBROOK, Ashland, Ga., assignor to Grover Alexander McFarland, Toccoa, Ga., and Allen Watkins Beddingfield, Atlanta, Ga. Filed Sept. 23, 1920. Serial No. 412,342. Renewed Aug. 11, 1923. 1 Claim. (Cl. 64—55.)



A bearing including a stationary bearing member, a movable bearing member, confronting lugs formed on the bearing members, bolts passed through said lugs for connecting the bearing members together, a spring associated with the movable bearing member and having bifurcated portions to receive said bolts whereby the said spring is held in position for use for the purpose specified.

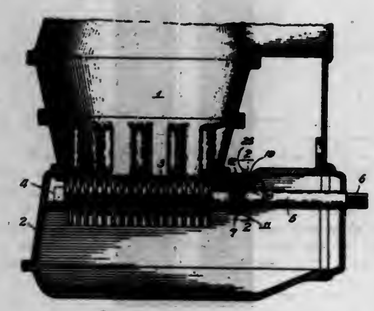
1,486,066. SAFETY ATTACHMENT FOR PAPER-BOX MACHINES. ISAAC WINGARD, ARTHUR W. SAXON, and JULIAN D. STONE, Nashville, Tenn. Filed Dec. 27, 1921. Serial No. 525,049. 6 Claims. (Cl. 192—132.)

1. An attachment for paper box ending machines comprising a die, a pair of brackets for pivotally supporting the die, blocks adapted to prevent pivotal movement of the brackets, a rod slidably supporting the blocks, a lever attached to the blocks, a bracket on which the lever is pivoted, a spring for moving the lever in one direction



and a cam mounted in stationary relation to the lever for moving it in the other direction, substantially as set forth.

1,486,067. GRATE HANGER FOR FURNACES. WILLIAM L. WYMER, De Kalb, Ill., assignor to Standard Foundry & Mfg. Company, De Kalb, Ill., a Corporation of Illinois. Filed May 19, 1921. Serial No. 470,990. 12 Claims. (Cl. 126—181.)

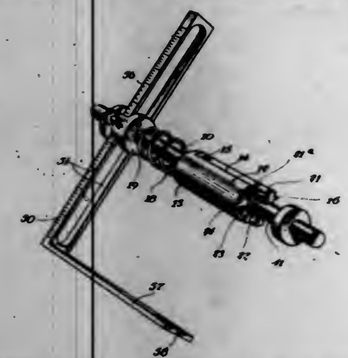


1. In a furnace construction having a base and a grate member, a support for each end of said grate member, the support at one end of the grate member having a removable supporting member for supporting said end of the grate member, a lock member located exteriorly of the base and having parts thereof extending within said base and cooperating with said supporting member for normally holding the same against displacement.

1,486,068. WIREWORKING MACHINE. AH LEON STANLEY YU, Hongkong, China. Filed Jan. 26, 1923. Serial No. 615,158. 12 Claims. (Cl. 140—77.)

1. In a wire working machine, a post, a work table including a stock slidable on the post and having a section fixed to the post, said stock having a plurality of grooves constituting seats for the wires to be united and having ribs complementary to said grooves, a head integral with the fixed section of said stock and having a transverse opening therein adapted to receive the binding wire, a coil spring arranged on the post and engageable with the stock, a stationary die carried by the post within the stock, a movable die having a pair of bits, one of said bits being cooperable with the head for sev-

ering the requisite length of the binding wire and both of said bits being engageable with the severed length to partially bend the binding wire and to move it into



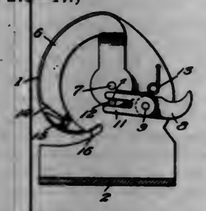
engagement with the stationary die, said stationary die being adapted to complete the bending of the binding wire.

1,486,069. GALVANIC ELEMENT. ALBERT ADAMS, Macon, Ga., assignor to Schuster-Adams Chemical Company, a Corporation of Delaware. Filed Aug. 25, 1923. Serial No. 659,329. 5 Claims. (Cl. 204—38.)



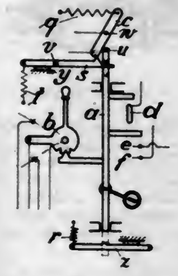
5. A galvanic element comprising a zinc receptacle a carbon electrolyte consisting of bichromate of soda, sulphuric acid and water, a zinc electrolyte consisting of a solution of potash, one electrolyte resting upon the other but insulated therefrom throughout the larger part of their contiguous surfaces as described.

1,486,070. THREAD TIER. HARRY BOEDKER, Plymouth, N. C. Filed Feb. 25, 1922. Serial No. 539,254. 7 Claims. (Cl. 270—17.)



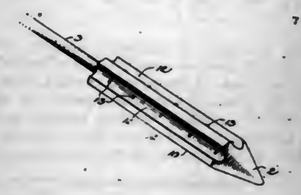
5. A thread tier including a head, a lever and a trigger pivoted thereto and slidably connected with each other, the trigger protruding at one end beyond the edge of the head in position to be engaged by the threads in tying the knot and the lever curved substantially in conformity with the adjacent edge of the head, the head having an open slot in one edge to receive the threads and the lever having a V-shaped notch or recess to receive and hold the threads and a knife adjacent thereto to cut the threads.

1,486,071. COMBINED LOCKING APPARATUS FOR THE DISTRIBUTING SWITCHES OF ELECTRIC-LIGHTING INSTALLATIONS OF MOTOR CARS. JACQUES BOHLI, Solothurn, Switzerland, assignor to the Firm Scintilla, Solothurn, Switzerland. Filed July 12, 1922. Serial No. 574,518. 2 Claims. (Cl. 200—44.)



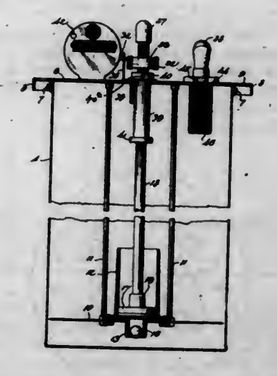
1. A combined locking apparatus for the distributing switches of electrical installations for motor-cars, including a lighting control switch, a biased ignition switch, a movable locking member capable of resting in three positions, viz, a locking position, an unlocking mid-position and a terminal position for switching in a starting motor, a biased pivoted locking pawl, and a projection on said locking member coacting with part of said pawl, said locking pawl tending to hold said ignition switch in a non-operative position when said movable locking member rests in its mid-position, and being forced aside when said ignition switch is moved by external pressure, said locking pawl being carried along by the said projection on said movable locking member and freeing said ignition switch immediately said movable locking member is brought into its third or terminal position for starting; said ignition switch when freed being moved automatically by its own bias from the non-operative into the operative position.

1,486,072. FIRE LIGHTER. BERTRON K. BOYD and HENRY KIRSCH, Detroit, Mich. Filed Nov. 8, 1922. Serial No. 599,709. 5 Claims. (Cl. 158—10.)



1. A fire lighter comprising a hollow burner head having an exterior longitudinal groove open at one end at the outer end of the head and formed with orifices opening into the bottom of said groove, and means for supplying gas under pressure to the hollow head including an imperforate tubular member and a gas supply conduit directly connected to said member to supply gas thereto under full pressure.

1,486,073. OIL SUPPLY AND DELIVERY APPARATUS. JOHN W. COATES, Detroit, Mich. Filed Jan. 18, 1923. Serial No. 613,403. 4 Claims. (Cl. 221—103.)



1. A device of the character described, comprising a tank having a top, a supporting member in the tank near the bottom thereof, means for suspending said member from the tank top, a cylinder carried by said supporting member, a check valve to permit free flow of fluid into the lower end of said cylinder from the tank, a piston in said cylinder, a tubular piston rod for said piston and communicating with the interior of said cylinder through said piston, a check valve to permit free flow of fluid from said cylinder into said rod and to prevent flow of fluid into said cylinder from said rod, an operating handle operatively connected to said piston rod to reciprocate the same, a flexible conduit connected to the outer end of said piston rod, a nozzle member on the free end of said conduit, and a check valve in said nozzle, said valve being normally yieldingly held in closed position to prevent escape of fluid from the conduit and being opened by fluid under pressure within the conduit.

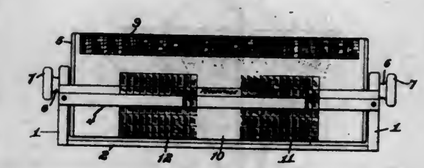
1,486,074. YARN-TUBE UNIT. CHARLES H. COLLINS, Amsterdam, N. Y. Filed Oct. 10, 1923. Serial No. 667,630. 5 Claims. (Cl. 139—10.)



2. A yarn tube unit comprising a metal angle having a series of perforations through one flange thereof, and a plurality of yarn tubes the upper part thereof soldered to the face of the perforated flange of said angle.

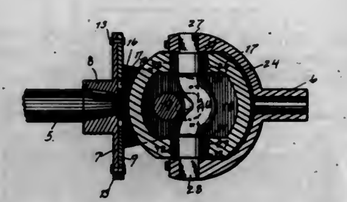
1,486,075. CALCULATOR. JAMES S. CRAIN, El Paso, Tex. Filed Sept. 12, 1922. Serial No. 587,775. 2 Claims. (Cl. 235—87.)

1. A calculator comprising a frame, a fixed indicating member having a transversely disposed units reference column and a longitudinally disposed column of figures subdivided into transverse columns containing the various figures, and a movable indicating member bearing a chart having a transversely disposed column of figures for cooperation with the units designating column of the fixed indicator and having columns of figures subdivided into longitudinal and transverse rows in registering



alinement respectively with the figures in the units column of said movable indicating member and with the figures in the subdivisions of the longitudinal column of the fixed indicating member.

1,486,076. UNIVERSAL JOINT. IRSLE H. CUPPS, San Francisco, Calif. Filed Jan. 19, 1923. Serial No. 613,740. 3 Claims. (Cl. 64—91.)



1. In a device of the character described, a power shaft, a disc secured to said power shaft and having outwardly extending side pieces, a ball positioned between said side pieces, a yoke straddling said ball, the medial line of the arms of said yoke being removed 90° from the medial line of said side pieces, shafts extending between the opposite ends of said yoke and the opposite ends of said side pieces, and offsets formed in said shafts, substantially as and for the purpose specified.

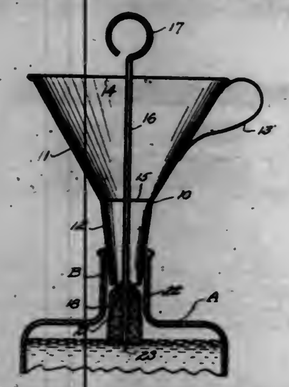
1,486,077. PROCESS OF MAKING LITHOPONE. LOUIS C. DREFAHL, Lakewood, and EDWARD A. TAYLOR, Cleveland, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 6, 1922. Serial No. 541,582. 7 Claims. (Cl. 134—78.)

5. Process of making lithopone which comprises, mixing a solution of barium sulfid with a solution of zinc sulfate and adding a solution of sodium silicate of 42.5° Bé. containing sodium oxid and silica in the ratio of 3.25 to 1 in quantity amounting to from 1 to 2 per cent of the weight of the resulting precipitate in the dry state.

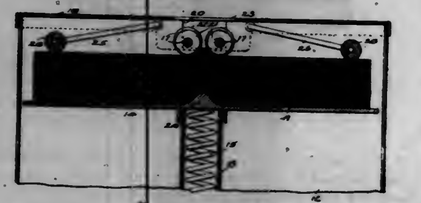
1,486,078. FUNNEL. JOSEPH-WILFRID DUMONT, Katahdin Iron Works, Me. Filed Dec. 23, 1922. Serial No. 608,671. 3 Claims. (Cl. 226—35.)

1. A funnel comprising a tapered body terminating in a reduced spout adapted for insertion within a filling opening in a receptacle to be filled, guides within the body, a tube slidable through said guides and having one end formed into a handle loop projecting above the top of the shell, both ends of the tube being open, and a buoyant stopper secured upon the lower end of the tube beneath said spout and adapted to be moved upwardly

for closing the same when the level of liquid within the receptacle being filled reaches a certain point, said stopper being formed near its upper end with passages leading from the outside thereof to the tube, said tube being formed with holes registering with said passages.



1,486,079. HOLDER FOR PAPER NAPKINS. JOHN M. FERNANDEZ, New York, N. Y. Filed Aug. 15, 1922. Serial No. 582,080. 5 Claims. (Cl. 211—8.)



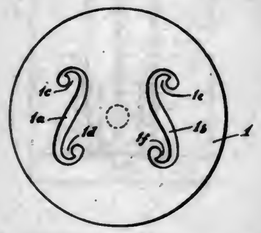
1. In a holder of the class described, a support adapted to receive stacked sheets, and a pair of pickup rollers above the support, each roller comprising a shaft, toothed disks on the shaft and sleeves loose on the shaft between the disks and adapted to assume an eccentric relation to the disks to cause detachment of the sheets tending to wind about the disks.

1,486,080. NONSKID TIRE HOOD. MARCUS FINK, New York, N. Y. Filed Nov. 7, 1922. Serial No. 599,592. 6 Claims. (Cl. 152—14.)



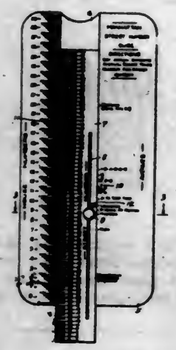
1. A non-skid tire hood including an elongate strap of flexible fibrous material, an elongate strap of flexible metal on the inner side of the strap of fibrous material, and cross chains at spaced points along the hood on the outer side of said strap of fibrous material, said cross chains being secured in place at opposite ends near the opposite side edges of the hood.

1,486,081. SOUND-PRODUCING DIAPHRAGM. HERMANN FISCHER, New York, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 24, 1922. Serial No. 596,630. 1 Claim. (Cl. 179—115.)



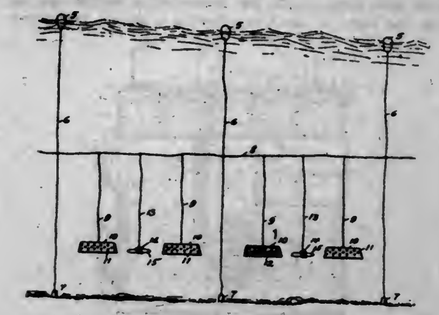
An electromagnetic sound reproducer, comprising in combination a casing, an electromagnetic mechanism carried therein, a diaphragm mounted in said casing in operative relation with said electromagnetic mechanism and adapted to be operated at the center thereof by said electromagnetic mechanism, said diaphragm containing a pair of ƒ-shaped apertures symmetrically located on opposite sides of the center of said diaphragm in parallel lines substantially spaced apart and equidistant from the point of actuation of said diaphragm by said electromagnetic mechanism.

1,486,082. COMPUTING DEVICE. CLARENCE B. FOWLER, New York, N. Y. Filed Feb. 1, 1923. Serial No. 616,364. 4 Claims. (Cl. 235—70.)



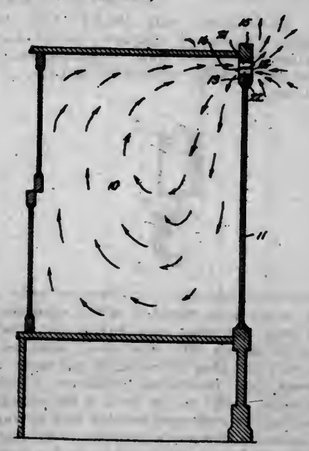
4. A new article of manufacture, including fixed and movable surfaces having indicia thereon designating the names of streets and the numbers of houses, and means on said surface for determining the location of a street and house number with respect to adjacent streets.

1,486,083. DEVICE FOR DRIVING FISHES. CHARLES KAATZ FREER, La Crosse, Wis. Filed Jan. 27, 1923. Serial No. 615,382. 4 Claims. (Cl. 43—4.)



4. A subaqueous alarm comprising a substantially hollow, perforated member, and a disk suspended within said hollow member in such a manner that water will pass through the perforations of said hollow member and vibrate the disk and cause it to contact with the hollow member to produce sound.

1,486,084. VENTILATOR. GEORGE W. GEARHART, Ashland, Pa. Filed Mar. 9, 1922. Serial No. 542,415. 3 Claims. (Cl. 98—32.)



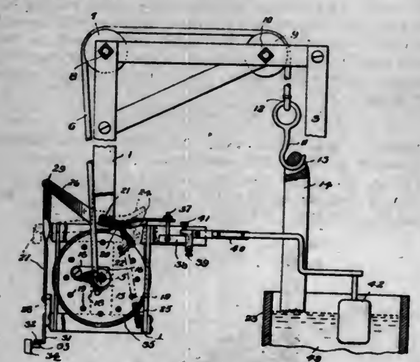
3. A ventilator of the character described comprising a rectangular frame and a shutter adjustably mounted therein for horizontal swinging movement, said shutter comprising a reversely curved blade adapted when adjusted to one position to close the space formed by said frame, and adapted in its other adjusted positions to form superposed passages provided with restricted outlet ends and enlarged inlet ends.

1,486,085. AMMETER. PHILO M. GELATT, La Crosse, Wis., assignor to National Gauge and Equipment Company, La Crosse, Wis., a Corporation of Wisconsin. Filed May 23, 1922. Serial No. 563,143. 2 Claims. (Cl. 171—95.)

1. In an electrical measuring instrument, a main support, a single conductor located on said support and elevated above the base thereof, a unitary armature support comprising a base supporting member, an upper supporting member, a plurality of armatures located within said unitary support and between the upper and lower supporting members, said unitary supporting member being so located that the single conductor will project between the two armatures and in parallel relation thereto when the instrument is at rest.



1,486,086. METAL FEEDER FOR TYPE-CASTING MACHINES. JULIUS F. GRAESSLE, Fond du Lac, Wis. Filed Feb. 5, 1921. Serial No. 442,722. 2 Claims. (Cl. 22—80.)

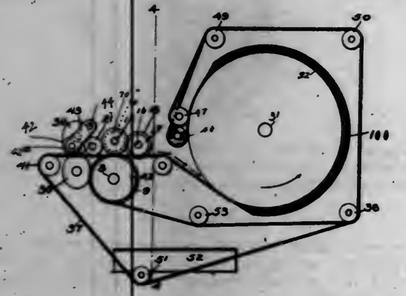


1. In a metal feeding mechanism, a feeding shaft, an escapement disc rotatable thereon, a spring actuated pawl pivotally carried by said escapement disc, means on said shaft engaged by said pawl for connecting the disc to the shaft, an escapement mechanism including a lever arm, an escapement lever operated by said arm, a pin carried by said escapement lever for cooperation with said escapement disc to control rotation of the disc, a brake band about said escapement disc, a lever for moving said brake band into and out of braking position, and a float operated lever for controlling operation of said brake band operating lever.

1,486,087. TOBACCO-STEMMING MACHINE. AARON GRODSKY, Cincinnati, Ohio, assignor to American Tobacco Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 12, 1921. Serial No. 521,820. 1 Claim. (Cl. 131—57.)

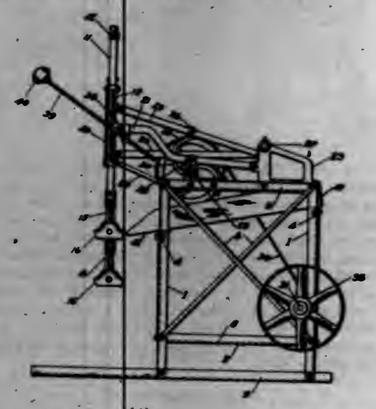
In a tobacco stemming machine having a front lower roller, rear upper and lower rollers having male and female knives at their central portions for cutting a stem from a leaf passing between the rear rollers, a front upper roller arranged between the rear rollers and front lower roller and having an annular groove aligned with said cutters to receive the stem of a leaf fed to the cutters, pivotally mounted arms carrying said front upper roller and adapted to permit the front upper roller to be raised while inserting a leaf beneath the same, pairs of upper and lower brushes diverging from said front rollers and adapted to smooth and clean a leaf as it passes between the front rollers, a stem stripping roller arranged rearwardly of the rear rollers and having a circular stripper wheel extending into the female cutter, a booking

drum arranged rearwardly of the stripping roller, guide rollers, the combination of a central pair of belts passing between the front rollers and rear rollers, beneath the stripper roller, around the drum and then over the guide rollers back to the lower front roller, two pairs of side



belts out of contact with the front rollers and passing between the rear rollers, beneath the stripper rollers, around the drum and then over the guide rollers back to the lower rear roller, and positive means for driving the brushes, front upper roller, rear rollers, stripper roller and drum.

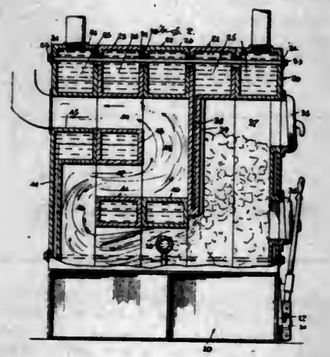
1,486,088. MACHINE FOR TAMPING CONCRETE. CHARLES R. HARNY, Fredericktown, Ohio, assignor to The J. B. Foote Foundry Company, Fredericktown, Ohio, a Corporation of Ohio. Filed July 22, 1921. Serial No. 486,792. 1 Claim. (Cl. 25—41.)



In a machine of the character described, a series of vertically movable plungers having tamping feet, a series of lifter arms, means for adjustably connecting the forward ends of said lifter arms to said plungers, pivoted crank arms to which the rear ends of said lifter arms are adjustably connected, and means for alternately raising said lifting arms and their connected plungers and permitting them to drop by gravity.

1,486,089. SECTIONAL BOILER. MICHAEL EDWARD HERBERT, Chicago, Ill. Filed Sept. 23, 1921. Serial No. 502,816. 2 Claims. (Cl. 122—212.)

1. A sectional boiler including a base having a water tube bridge wall and comprising a front section and a complementary section defining a magazine, the complementary section including a depending hollow wall constituting a water leg and the back wall of the magazine, intermediate sections having transverse water tubes adjacent their lower ends abutting each other in assembly and one of said water tubes abutting the depending hollow wall of the complementary section adjacent the lower end thereof, said transverse water tubes overlying the water tube bridge wall, the intermediate section remote from the front of the boiler having a second transverse



water tube overlying its first mentioned transverse water tube, and a rear section including the back wall of the boiler and a transverse water tube abutting the second transverse water tube of the adjacent intermediate section, said last-mentioned transverse water tubes being also spaced from the top of said sections.

1,486,090. AUXILIARY AIR INLET AND MIXING CHAMBER. CHARLES E. KLUEGEL, JAMES JAGIELSKI, CHARLES HOLDMANN, and FRED A. HOLDMANN, Chicago, Ill. Filed Oct. 7, 1922. Serial No. 593,141. 1 Claim. (Cl. 48—180.)



A gas equalizer including a cylindrical body open at one end, a rotary plug mounted in the open end of the body, said body and plug each having an arcuate slot adapted to be moved into registering positions, means connected with the plug for rotating the same to bring said openings into registering positions, a cylindrical housing at right angles to the body, a flat engaging portion connecting the body and housing and having a plurality of openings therein to provide direct communication between the body and housing, and a mixing fan rotatably supported in the housing.

1,486,091. PROCESS FOR DEFECATING SUGAR JUICE. WILLIAM DODGE HORNE, Yonkers, N. Y. Filed Nov. 13, 1919. Serial No. 337,828. 3 Claims. (Cl. 127—50.)

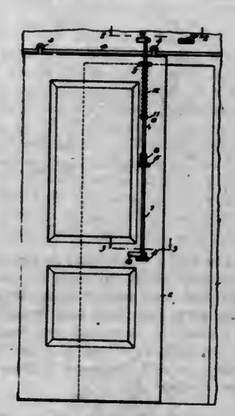
1. A process for defecating sugar containing liquids which consists in adding to said liquids sufficient lime to give a complete precipitation of all substances precipitatable by lime and to impart a strong alkalinity to the sugar containing liquid, maintaining said liquid at a temperature ranging from 105° F. to 150° F., separating the precipitate, subjecting the solution of strong alkalinity to the action of a mixture of phosphoric acid and sodium carbonate to precipitate both the free lime and the lime contained therein in the form of dissolved lime salts, and then raising the temperature of the liquid to a point above 150° F. to facilitate the last mentioned reactions.

1,486,092. HOSE SUPPORTER. WILLIAM O. JOHNSTONE, North Tonawanda, N. Y. Filed Feb. 8, 1922. Serial No. 534,914. 7 Claims. (Cl. 241—6.)



1. A hose supporter comprising a limb encircling band and means for yieldably connecting the ends thereof, said yieldable connecting means comprising spring arms, transversely extending cross rods formed on the arms, a loop formed on the lower ends of the arms, a flap connected to the transversely extending cross rods, and a stud carried by the flap and adapted to be received in the loop.

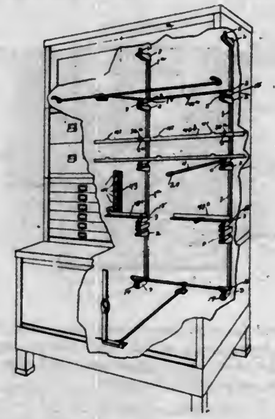
1,486,093. ELEVATOR DOORLOCK. JOHN B. KAISER, Helena, Mont. Filed Sept. 8, 1922. Serial No. 586,913. 3 Claims. (Cl. 292—228.)



1. A door lock of the character described, comprising a support, aligned shaft sections mounted on the support and having a limited independent movement, a pawl carried by one shaft section, a ratchet block adapted to be engaged by the pawl, a spring tending to move the pawl to locked position, and a handle on the other shaft section to release the pawl.

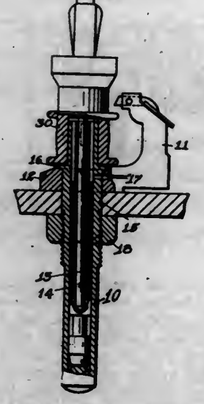
1,486,094. SECTIONAL-CASE LOCK. EDWARD G. LEHMAN, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Sept. 28, 1918. Serial No. 256,018. 4 Claims. (Cl. 45—94.)

1. A lock operating device for a sectional case including means for engagement with an adjacent section by sliding directly rearward thereon, an upright rock shaft mounted in the case, a crank arm at the upper end of the shaft having an upright post protruding above the case, and a crank arm at the lower end normally extending straight forward from the axis of the shaft having a radial slot adapted to be engaged by the upright post of an adjacent section, whereby an engagement and



disengagement of the case sections may be normally made, and disengagement is prevented when they are swung to an inclined position by a rotation of the rock shaft.

1,486,095. SPINDLE BEARING. DAVID LEMOINE and GEORGE P. FOURNIER, Whitinsville, Mass. Filed Oct. 12, 1922. Serial No. 594,169. 2 Claims. (Cl. 64—73.)

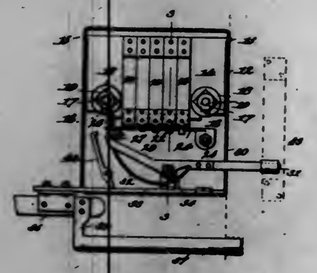


1. As an article of manufacture, a spinning spindle bearing cylinder consisting of a cold rolled steel tubular part closed at the bottom and open at the top, having an integral collar near the top, and provided with a space therein for receiving a bolster and the bottom of the spindle and a collar therefor of cast steel, fitting on the cylinder just under the first named collar with a driving fit and provided with a projection thereon at one side having a passage communicating with the interior of the cylinder for delivering oil thereto.

1,486,096. ALARM MECHANISM. SALVATORE LIGAMMAR, Chicago, Ill., and BERNARD DALLIO, Lodi, N. J. Filed Oct. 1, 1921. Serial No. 504,810. 5 Claims. (Cl. 116—11.)

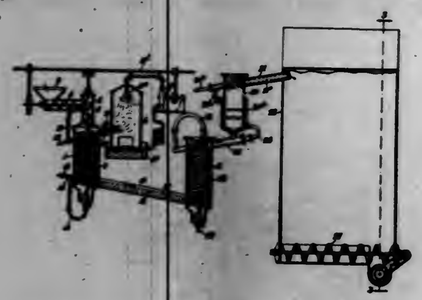
4. An alarm mechanism adapted to be secured to a closure member comprising a casing, a plate pivoted in said casing, a plurality of spring pressed firing pins

mounted on said plate and normally held in operative position by means of a trigger, a plurality of detonators, a slide mounted in said casing, a lever pivoted on said



slide and held in engagement with the trigger when the same is in operative position, and means secured to a stationary member for engagement with the lever for releasing the detonators seriatim.

1,486,097. PROCESS AND APPARATUS FOR PURIFYING CAMPHOR. EVARTS G. LOOMIS, Newark, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 16, 1918. Serial No. 222,859. 33 Claims. (Cl. 260—133.)

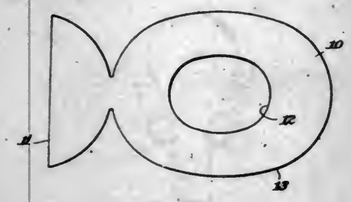


1. An apparatus for purifying camphor comprising a melting vessel, a baking vessel communicating therewith, means for heating said two vessels, and a vaporiser communicating with said baking vessel, said heating means being located with respect to said baking vessel for prevention of cooling of the melted camphor in its passage from the melting through the baking vessel to the vaporiser, and the baking vessel and the vaporiser being relatively assembled and located to provide for the maintaining of a body of molten camphor in said vaporiser in sealing relation to said baking vessel.

22. The continuous process of refining camphor comprising continuously and progressively melting the camphor, and continuously and progressively baking the camphor at a different location from that in which it was melted.

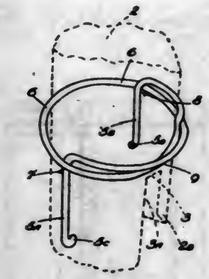
1,486,098. SUNSHADE FOR HATS. HILDRED MCGAFFEY, New York, N. Y. Filed Mar. 14, 1923. Serial No. 625,075. 2 Claims. (Cl. 2—112.)

2. As a new article of manufacture for use in conjunction with a hat, a shade element comprising a shade proper, a part integral with said shade proper adapted to be folded over a portion of said shade proper, and means for fastening the end of said part to said shade proper after the same has been folded to form a pocket for the reception of a portion of the brim of the hat therein in



the application of the element to the hat, and a marginal portion of the shade proper extending beyond the edge of the brim in the application of the element.

1,486,099. CLOTHESPEG. ALEXANDER MURDOCH MCSWAN, ROBERT ANDERSON EWING, and WILLIAM THOMSON, Dunedin, New Zealand. Filed Nov. 17, 1922. Serial No. 601,579. 2 Claims. (Cl. 24—138.)

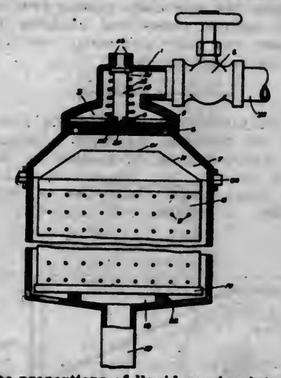


2. A clothes pin and a reinforcing means therefor, comprising a wire wound about the body of the pin immediately above the legs and having depending portions to overlie and bear upon the legs, said depending portions having lateral terminals to engage the legs, the coil of the wire about the body overlying and bearing upon both depending portions to hold the same in close contact with the legs of the clothes pin.

1,486,100. SOAP AND WATER MIXER. FRED Y. MCKENNEY and WILLIAM H. CHENEY, Chattanooga, Tenn., assignors of one-sixth to Manly A. Watson, one-sixth to J. A. Kelly, one-sixth to J. F. Kelly, one-sixth to G. L. Robinson, one-tenth to R. E. Robinson, jr., and seven-thirtieths to Jackson Zinn Easley. Filed Aug. 10, 1922. Serial No. 580,868. 15 Claims. (Cl. 299—83.)

1. An apparatus of the character described comprising a chamber having a water inlet at one end and an outlet for the solution at the other, a container for soluble material with an open top and a perforated enclosing wall mounted within said chamber, and means for directing part of the water from the inlet end into the soap container and part of it outside of said enclosing wall, substantially as set forth.

2. In an apparatus of the character described, the combination of a chamber, a soap holder therefor having perforated sides, an inlet passage for liquid above the holder, means to cause part of the liquid entering the chamber to pass down the outer wall of the holder and another part to fall on the soap in the holder, means for



varying the proportions of liquid passing into and around the holder, and a discharge outlet, substantially as set forth.

1,486,101. TOY. NORRIT O. MEGORDEN, Clearwater, Wash. Filed Apr. 4, 1922. Serial No. 549,609. 1 Claim. (Cl. 46—45.)



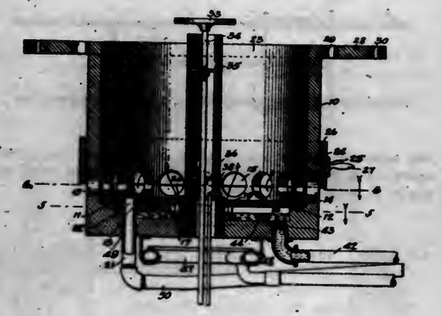
In a device of the character described, the combination of a body portion, a tail portion, said tail portion being pivoted to said body portion at one side thereof and at a point near one end thereof, a jaw portion pivoted to said body portion at the opposite end from said tail portion so as to be capable of up and down movement, a crank mounted in said body portion, wheels secured to said crank, a tongue slidably supported on said body portion at a point below said movable jaw, a rod connecting said tongue and said crank, a link connecting said tail and said crank, and a rod contacting the underside of said crank, said rod being secured to said jaw portion.

1,486,102. CAP. PERCY MERTON, Park Ridge, N. J. Filed Sept. 26, 1923. Serial No. 664,987. 5 Claims. (Cl. 2—176.)



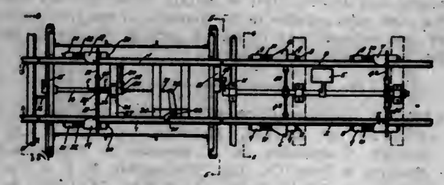
2. As an article of manufacture, a cap having the crown attached to the visor outward from the inner edge of the visor, said visor having a ventilating area adjacent its inner edge affording ventilation through the visor directly to the interior of the crown, and a cover for said ventilating area and disposed at the upper surface of the visor, said cover adapted to assume a position closing the ventilating area or a position away from and forward of said ventilating area.

1,486,103. OIL BURNER. JOHN JOSEPH MILNES, Jr., New York, N. Y. Filed Feb. 1, 1923. Serial No. 616,356. 7 Claims. (Cl. 158—58.)



7. An oil burner of the character described, comprising an oil well, means for supplying oil to said oil well, means for evenly distributing the oil supplied to said oil well, means for automatically shutting off the supply of oil when the burner is not in operation, means for vaporizing the oil in the oil well, a combustion chamber positioned above the oil well and communicating with the same through an opening the shape of a hollow circle, an air pipe having an enlarged base which defines the inner edge of said opening shaped like a hollow circle thus spacing the opening outside of the upper portion of the air pipe, a spreader adjustably mounted in the air pipe for directing a current of air outward, and a pilot light extending upward into said air pipe for igniting the gas when the burner is set in operation.

1,486,104. ROTARY-DUMP FEEDER MECHANISM. JAMES A. NOLAN, Bowerston, Ohio. Filed Aug. 7, 1922. Serial No. 580,260. 4 Claims. (Cl. 214—55.)



1. In combination with a rotary dump structure including a track section, and approach and receiving tracks at the ends of the dump, inner and outer stops on the approach track, stops on the dump, means for closing the inner stops and opening the outer stops, means for closing the dump stops, means for opening the dump stops and holding them open when the dump is returned to loading position, means for opening said inner stops and closing the outer stops on return of the dump to loading position, and means for releasing the dump stops to permit closing of the same as a loaded car moves into the dump a predetermined distance.

1,486,105. AUTOMATIC FEEDER. JAMES A. NOLAN, Bowerston, Ohio. Filed Apr. 25, 1923. Serial No. 634,618. 6 Claims. (Cl. 104—253.)

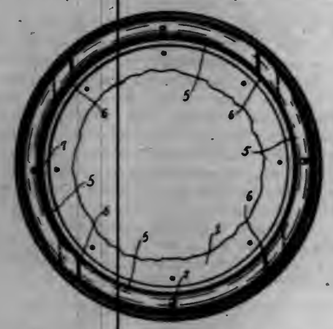
1. In combination with a dump and an approach track leading thereto, stops on the approach track, a rock shaft, connections between said shaft and the stops for opening and closing the latter in accordance with rocking of the shaft, means for rocking the shaft in stop-opening direction as the dump returns to loading posi-

tion, and car actuated means on the approach track operated to a predetermined extent by each car traveling apast said car actuated means toward the dump, said



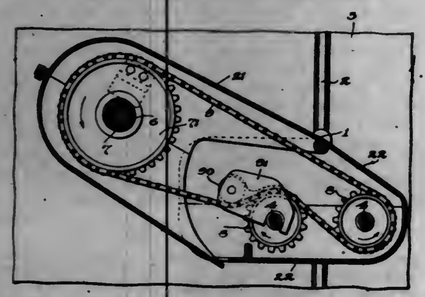
car actuated means acting after it has been successively operated a predetermined number of times to rock said shaft in stop-closing direction.

1,486,106. TIRE. FAUSTINO PALOMBO, Bedford, Ohio. Original application filed Oct. 27, 1922, Serial No. 597,309. Divided and this application filed Mar. 29, 1923. Serial No. 628,588. 3 Claims. (Cl. 152—5.)



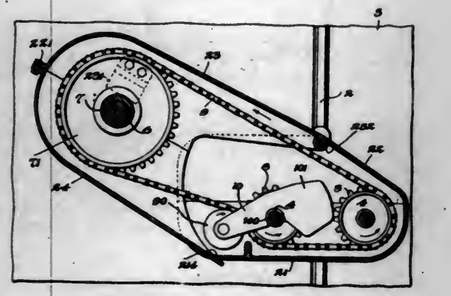
2. A tire, comprising an onter shoe and an inner core, said core of solid material and comprising a circular series of sections having tongue and groove joints, the tongue and groove joints of certain of the sections having their ends parallel to the diameter of the tire whereby said sections may be moved radially relative to the tire for insertion and removal.

1,486,107. CHAIN-DRIVE MECHANISM FOR BOBBIN SHAFTS OF ROVING FRAMES. GEORGE F. ALBRECHT, Woonsocket, R. I., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I., a Corporation of Rhode Island. Filed Sept. 24, 1923. Serial No. 664,510. 3 Claims. (Cl. 118—41.)



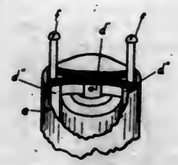
1. Chain-drive mechanism for bobbin-shafts of roving frames comprising, in combination with two bobbin-shafts, each provided with a driven sprocket-wheel fixed thereto, and a driving sprocket-wheel operatively combined with the roving frame compound and actuated thereby, a sprocket-chain constituting a direct or one-step sprocket-chain connection between the driving sprocket-wheel and both of the driven bobbin-shaft sprocket-wheels, the said chain passing over one of the said driven sprocket-wheels and engaging the upper portion thereof and under and partly around the other thereof in engagement therewith.

1,486,108. CHAIN-DRIVE MECHANISM FOR BOBBIN SHAFTS OF ROVING FRAMES. GEORGE F. ALBRECHT, Woonsocket, R. I., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I., a Corporation of Rhode Island. Filed Sept. 14, 1923. Serial No. 662,669. 10 Claims. (Cl. 118—41.)



1. Chain-drive mechanism for the bobbin-shafts of roving frames comprising, in combination with a driving sprocket-wheel operatively combined with a compound and actuated thereby, and two bobbin-shafts each provided with a driven sprocket-wheel fixed thereto, a sprocket-chain engaging directly both of the bobbin-shaft sprocket-wheels and constituting a one-step sprocket-chain connection between the driving sprocket-wheel directly with each of the bobbin-shaft sprocket-wheels.

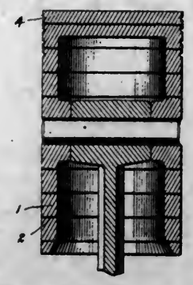
1,486,109. ELECTRIC TRANSFORMER. BRUCE W. DAVID, Cleveland Heights, Ohio, assignor to Walter M. Scott, Cleveland, Ohio. Filed Apr. 5, 1922. Serial No. 549,922. 8 Claims. (Cl. 175—361.)



1. As a new article of manufacture, a transformer of the class described, comprising primary and secondary transformer windings, laminated core members associated therewith, an enclosing shell therefor, and means for wedging said laminated members securely into engagement with the interior of the shell, whereby they are held in place.

8. The herein described method of constructing transformers, which consists in providing the transformer coils with peripherally laminated members extending within and about said coils, inserting said parts as assembled within a snugly-fitting enclosing casing, and wedging the laminated members apart into close engagement with the interior of the casing, whereby they are retained in place.

1,486,110. PISTON. CHARLES W. HACK, Topeka, Kans., assignor to The Home Refrigerating Company, Topeka, Kans., a Corporation of Kansas. Filed June 5, 1922. Serial No. 565,827. 2 Claims. (Cl. 74—108.)

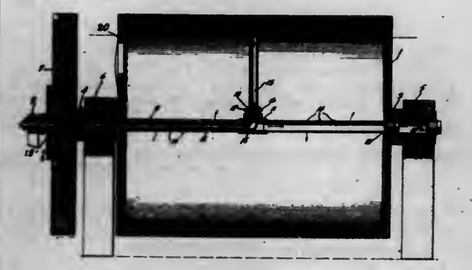


1. A non-metallic piston having fiber as a component part thereof, the ends of the fiber being exposed to the surface of the piston, and circumferential, lubricant-containing grooves in the periphery of the piston to supply lubricant to the fiber.

1,486,111. COMPOUND METER-VALVE MECHANISM. WILLIAM H. LARRABEE, Worcester, Mass., assignor to Union Water Meter Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 17, 1922. Serial No. 575,441. 9 Claims. (Cl. 251—127.)

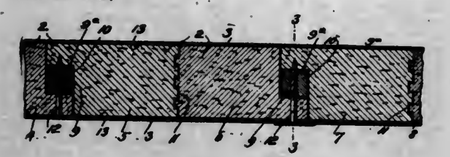
1. In a compound water-meter valve mechanism, the combination, with the internally partitioned valve-chamber casing arranged for the water-supply flow therethrough, and having high-duty and low-duty metering devices connected therewith, and valve elements operative for the purpose set forth; of a skeleton formed cage having the valve-seats, valves, and valve-stem guide assembled and supported thereon in their complete operatively organized order, as a self-contained structure, the exterior of said cage being provided with surfaces that fit the openings in the internal partitions of the casing; said cage with the complete assembled valve-elements being adapted for removal bodily from the valve chamber casing, and leaving said casing, in its connected relation, in condition for continued water-supply service.

1,486,112. HEATING OR DRYING DRUM. JAMES D. MCCRACKEN, Cincinnati, Ohio, assignor to The United States Playing Card Company, Norwood, Ohio, a Corporation of Ohio. Filed June 25, 1923. Serial No. 647,424. 4 Claims. (Cl. 34—4.)



1. A drying cylinder, comprising a rotative hollow cylindrical drum adapted to hold a volume of water, a steam admission conduit extending axially into the drum and through the axis of the drum at one end thereof for non-rotatively sustaining said conduit within said drum, and a second conduit extending axially into the drum and terminating at an angle thereto providing a water level controlling offtake conduit.

1,486,113. HEAT-INSULATING STRUCTURAL MATERIAL. WILLIAM MACK BAXTER, Chicago, Ill., and ANDREAS P. LUNDIN, Bayside, N. Y., assignors to American Balsa Company, Inc., a Corporation of New York. Filed June 14, 1921. Serial No. 477,428. 14 Claims. (Cl. 20—91.)



1. A composite heat-insulating structural material composed of a body of wood having substantially the qualities of balsa wood, a ground of a tougher and harder material associated with said body of soft wood, a sheathing of a rigid and tough structural material, and means for fastening said sheathing and soft-wood body together by connection to the said ground.

Patents Nos. 1,486,114 to 1,486,847.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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Issue of March 11, 1924.

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Reissues	5—No.	15,789 to No.	15,793, inclusive.
Designs	73—No.	64,157 to No.	64,229, inclusive.
Patents	734—No.	1,486,114 to No.	1,486,847, inclusive.
Total	1195		

Interference Notices.

U. S. Patent Office, *Washington, Feb. 21, 1924.*

Calista O. Van Slyck, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of William A. Whitmore, 810 West Pratt Street, Baltimore, Md., for registration of a trade-mark and trade-mark registered March 19, 1895, No. 26,243, to Calista O. Van Slyck, Lamanda Park, Calif., and a notice of such declaration sent by registered mail to said Van Slyck at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Van Slyck, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Mar. 3, 1924.*

Clarence E. Kenyon, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Eckman Chemical Company, 526 Paxton Block, Sixteenth and Farnam Streets, Omaha, Nebr., for registration of a trade-mark and trade-mark registered October 12, 1915, No. 106,110, to Clarence E. Kenyon, Great Falls, Mont., and a notice of such declaration sent by registered mail to said Clarence E. Kenyon at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Clarence E. Kenyon, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Mar. 4, 1924.*

William P. Sumner, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kinney Brothers, 243–245 Water Street, Binghamton, N. Y., for registration of a trade-mark and trade-mark registered January 15, 1907, No. 59,624, to William P. Sumner, Jacksonville, Fla., and the Office having been unable to secure service upon said party, notice is hereby given that unless said William P. Sumner, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Mar. 4, 1924.*

The Lithotone Colortype Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Niagara Lithograph Co., 209–219 West Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 10, 1900, No. 34,443, to The Lithotone Colortype Company, Chicago, Ill., and a notice of such declaration sent by registered mail to The Lithotone Colortype Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless The Lithotone Colortype Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(D. C. N. Y.) The Perkins patent, Reissue 13,436, for glue, claims 28, 30, and 31 *Held* not infringed. *Perkins Glue Co.* v. *Crandall Panel Co.*, 294 Fed. Rep. 135.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,249,041, R. A. Demme, Carbon and method of producing the same, decided February 19, 1924, claims 1, 2, 3, 4, 5, 6, and 8.

Pat. 1,338,046, K. Sollie, Mine car, decided February 19, 1924, claims 3, 4, 5, 6, and 8.

Condition of Applications Under Examination at Close of Business February 29, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 62,504; Trade-Mark Division, 1,668. Oldest new case, May 30, 1923; oldest amended, June 2, 1923. The dates given are 1923 except where * indicates 1924. Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 3	July 13	1,090
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	June 13	July 19	1,128
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 23	Oct. 5	882
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	July 17	July 9	1,166
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	June 22	July 2	1,377
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	May 30	July 16	1,768
312	7. JARBOE, C. C., Games and Toys; Optics; Photography	Aug. 4	Aug. 8	2,493
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Sept. 20	Nov. 5	1,560
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	July 18	*Jan. 9	692
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	July 17	July 14	1,409
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 12	Oct. 13	751
322	12. PIERCE, P. F., Machine Elements	July 27	Sept. 4	1,136
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	July 2	Sept. 1	1,099
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 2	*Feb. 1	986
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	June 14	June 20	2,001
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	July 2	July 2	2,630
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	July 5	Nov. 1	1,304
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	June 4	June 2	1,979
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Oct. 13	Dec. 7	962
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Aug. 21	Aug. 24	1,287
212	21. THURBER, W. L., Winding and Beeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	June 12	Nov. 20	900
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 10	Oct. 19	397
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	June 7	June 4	566
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 14	Aug. 4	1,082
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Nov. 8	Nov. 15	714
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	June 26	July 16	963
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	July 20	July 28	1,230
225	28. BENSON, A. E., Internal-Combustion Engines	Aug. 25	Aug. 25	1,272
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	June 27	July 13	1,191
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	July 14	Dec. 26	1,048
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	July 26	Aug. 1	1,356
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	June 25	June 25	1,190
70	33. WYMAN, W. J., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Aug. 18	Aug. 10	1,280
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 21	Sept. 13	797
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 15	Oct. 29	844
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Aug. 24	Aug. 18	1,785
107	37. TAYLOR, E. G., Electricity, Circuit Makers and Breakers	July 7	July 11	1,675
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	June 23	June 21	1,561
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 5	July 16	953
271	40. OBERLIN, J. ., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	June 18	Nov. 30	1,816
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	June 9	July 23	924
114	42. CUTTING, H. D., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	June 28	July 16	1,767
382	43. HOPKINS, F. H., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	July 16	July 6	1,678
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	July 5	Oct. 24	1,066
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Oct. 1	Aug. 22	1,398
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Sept. 20	Sept. 29	1,070
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Aug. 13	Oct. 13	963
116	48. ROEPKE, O. E., Electricity Conductors; Electricity, General Applications	June 18	June 20	2,399
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Sept. 4	Sept. 19	467
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 30	*Feb. 8	423
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	*Jan. 24	*Feb. 8	1,629
	(Labels and Prints	*Feb. 21	*Feb. 23	39

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE GOTTHEIL.

Decided January 28, 1924.

ABANDONMENT—PROSECUTION WHICH DOES NOT SAVE—CORRESPONDENCE RELATIVE TO A PROPOSED INTERFERENCE—LETTERS FROM LAW EXAMINER UNDER RULE 93.

Correspondence relative to a proposed interference does not affect the period for proper amendment to the case, and letters from the Law Examiner under rule 93 are not actions on an application.

PETITION to revive.

UNIVERSAL HOLDING PLATE.

Mr. B. Singer for the applicant.

KINNAN, *First Assistant Commissioner:*

The last Office action in this case was mailed January 29, 1921. In this action one claim was rejected on a reference, and the drawing, specification, and claims were criticised.

Answering a letter received January 24, 1923, applicant was told that his application stood abandoned.

The request for revival is based upon the fact that correspondence was held with applicant under the provisions of rule 93 during the period beginning November 3, 1921, and ending April 24, 1922. The applicant was asked for a statement of his date of conception of certain subject matter. Finally, on March 21, 1922, the required statement was furnished, which was followed by a letter from the Office, dated April 24, 1922, stating that no interference would be declared, but that the application of the senior party, as soon as patented, would be cited as a reference.

The applicant argues that this correspondence extended the year for amendment; that in view of the fact that the senior party's application was, presumably, pending as late as February 12, 1923, on which date the applicant wrote to this Office urging a withdrawal of the holding of abandonment previously made applicant was not so fully advised by official action of all the facts so as to be in a position to amend as his interests might require.

The contention is clearly not sound. Rule 77, third paragraph, makes it plain amendment was due within a year from January 29, 1921. The character of the Office action of January 29, 1921, required a responsive amendment within a year irrespective of the proposed interference subject matter. Correspondence relative to the proposed interference did not affect the period for proper amendment to the case.

No showing other than expressed above is made as to why an amendment was not made within the year, and no amendment accompanies this petition. The applicant was told, on February 17, 1923, that the holding of abandonment was made final. The letters from the Law Examiner under rule 93 are not actions on an application. The applicant waited until December 14, 1923, before filing this petition and no showing is made excusing this delay.

The petition is denied without prejudice to its renewal accompanied by a proper verified showing accounting for the delay in amending and also in bringing this petition. This renewal of the petition must be promptly filed.

U. S. Circuit Court of Appeals—Sixth Circuit.

HEIDBRINK ET AL. *v.* MCKESSON.

Decided July 17, 1923.

[290 Fed. Rep. 665.]

1. CLAIMS—COMPREHENSIVE WORDS AND PHRASES—CLAIMS WHICH IN FORM COVER FUNCTIONS OF A MACHINE, BUT ARE EQUIVALENT TO PROCESS CLAIMS.

A claim which in a very general way calls for means is not necessarily bad—quite the contrary—nor should a claim be hastily condemned for this reason which, by its functional quality, only becomes equivalent to that valid process claim which the inventor might have obtained through another form of his application.

2. SAME—TOO BROAD—FUNCTIONAL—ATTEMPT TO COVER ANY MEANS WHICH ANY ONE MAY DISCOVER—ATTEMPT TO DEFINE A PROCESS ONLY BY ITS RESULT.

A claim for a machine which is drafted to cover any means which any one ever may discover of producing the result is invalid because functional and is clearly to be condemned under the rule stated in *O'Reilly v. Morse*, and a claim to a process which attempted to define the process only by its result would be no less objectionable than a corresponding claim to a machine.

APPEALS from the District Court of the United States for the Western Division of the Northern District of Ohio; D. C. Westenhaver, judge.

Suit by Jay A. Heidbrink and others against Elmer I. McKesson, in which defendant set up counterclaim. The bill and counterclaim were dismissed, and both parties appeal. Affirmed.

Mr. F. A. Whiteley for the appellants and cross appellees.

Mr. George B. Kirk for the appellee and cross appellant.

Before KNAPPEN, DENISON, and DONAHUE, Circuit Judges.

DENISON, *C. J.:*

These patents relate to devices for administering anæsthetics. Nitrous oxide was commonly used where effectiveness for very short periods was sufficient, as in tooth extraction; but if its administration was long continued it became dangerous. Accordingly a process was developed by which oxygen could be mixed with the nitrous oxide, and a

more prolonged use of the anæsthetic became feasible. In practice, the operator procured his gases from prepared tanks, which contained the respective gases at high pressure, and in that form were a market product. It was found that a desirable mixture was approximately in proportion of one part of oxygen to four parts of nitrous oxide, and that this proportion, or such slight variance as the particular patient or the immediate exigencies of the case might require, must be maintained with substantial accuracy. A variation of the oxygen content of as much as 1 or 2 per cent from the right proportion, might produce a loss of the anæsthesia, or a loss of life.

For the purpose of adjusting proportions to fit the needs of the patient, and for the purpose of maintaining proportions when fixed, and since the relative pressure of the supply tanks might be constantly changing, the anæsthetist had to resort to frequent and perhaps almost continuous manual adjustment of the outlet valves upon the two tanks. The safe use of the method, therefore, required the exclusive attention of a skilled anæsthetist, and even he could judge of the quality of the mixture only by the effect produced on the patient—a judgment sometimes formed too late to be useful. Heidbrink claims to have been the first to devise any apparatus by which the respective pressures of the two gases, in their conduits leading from their supply tanks into the mixing chamber, and thus their respective predetermined flow volumes, could be automatically kept constant, whereby the attention and skill required of the anæsthetist were greatly reduced and the utility of the method much advanced. He also claims that he was the first to produce any device by which, when the volume of the flow from the mixing chamber to the patient was increased at the will of the operator, the existing proportions of the mixture would be automatically maintained. The patents which he thinks secure to him these broad inventions are No. 1,265,910, dated May 14, 1918, and No. 1,309,686, dated July 15, 1919. In the court below he brought suit against McKesson, based upon claims 1 and 2 of the first and claims 6 and 7 of the second. These claims are given in the margin.[1] Heidbrink's application for No. 1,309,686 was filed Nov. 23, 1911, and for No. 1,265,910, September 26, 1912. In 1910 McKesson filed application for a patent upon a device for using these two gases to produce anæsthesia, and this application resulted in Patent No. 1,028,582, dated June 4, 1912. He also had Patent No. 1,028,583, issued June 4, 1912, upon application filed May 1, 1911, covering improvements in one feature of his apparatus. In 1913, having devised further improvements, he filed another application which resulted in Patent No. 1,320,900, issued to him November 4, 1919.

Heidbrink's suit, upon his two patents, is based upon the use and sale by McKesson of a device constructed in substantial accordance with McKesson's 1919 patent, with the addition of a device not shown therein but added by him to his commercial machine in 1916. McKesson answered this suit, making all the customary defenses and also setting up, as counterclaims against Heidbrink, the allegations that Heidbrink's commercial machine infringed several of the claims of each of McKesson's three patents. The trial court dismissed the bill and the counterclaim upon the theory that the machines of the two parties were of different types and that neither one infringed the patents of the other. Both parties appeal.

We consider first claims 1 and 2 of Heidbrink's earlier patent, issued upon his later application. For the purposes of this opinion only, we assume that Heidbrink was, as he claims, the first to construct any apparatus by which the predetermined proportions of the mixture would be automatically maintained in spite of an increase in volume of the flow of the mixture to the patient; that he showed operative means of accomplishing this result, both in his earlier and his later applications, whereby he was at liberty to take valid broad claims therefor in the earlier patent to issue; and that this result was exceedingly useful.

Having as elements in such a machine, the respective conduits leading to the mixing chamber, valves opening therefrom into the mixing chamber, and a discharge passage leading away from the mixing chamber, it is at once obvious that if it is desired to increase the outflow without changing the proportions, there are two methods by which it can be done—though the successful application of either may require invention. One method is to increase the valve openings from the two conduits into the mixing chamber and increase them in proper relation to each other, while the pressure of the respective gases in the respective conduits remains unchanged. Because of the increased valve openings, more of the respective gases will get into the mixing chamber, but in the same proportion, and there will be a larger supply for the outflow. The other is to leave the valve openings into the mixing chamber unchanged, but to increase in proper relative proportion the gas pressure in the respective conduits. By this method, also, more gas, but in the same proportions, will come into the mixing chamber and be ready for the outflow. For simplicity it seems best to assume, as both parties have, that the gas pressures in the two conduits should always equal each other; otherwise the problem of proportioning by valve openings is very complicated. It is not impossible that still a third method may be devised, which would be a combination of the other two, and which would change in unequal proportions both the valve openings and the gas pressures back thereof; but we are not advised that this has been done, and it perhaps presents unsurmountable difficulties. McKesson, by his device with his 1916 addition, obtains this result—increasing outflow while automatically maintaining proportions—by increasing at the operator's will the equal pressure in both conduits leading into the mixing chamber, keeping the valve openings therein unchanged. Heidbrink gets this result, in his device as shown in his later application and (with the possible exception to be noted) in the form shown on his earlier application, by maintaining his equal pressure in the two gas conduits while he enlarges in the same proportion the valve openings from the conduits to the mixing chamber.

[1] With this statement of the situation, we come to his two claims of 1,265,910. We are compelled to think that they are invalid because functional. They are apparently most deliberately and skillfully drafted to cover any means which any one ever may discover of producing the result; that is, to accomplish the one thing while avoiding the other. We think they are clearly to be condemned under the rule stated in *O'Reilly* v. *Morse*, 15 How. 62, 112; 14 L. Ed. 601; *Risdon* v. *Medart*, 158 U. S. 68, 77; 15 Sup. Ct. 745; 39 L. Ed. 899; 71 O. G. 751, and the many familiar cases applying the rule, and that they are not within the principle of the *Telephone Case*, 126 U. S. 1, 534; 8 Sup. Ct. 778; 31 L. Ed. 863; 43 O. G. 377. We do not mean to say that a claim which in a very general way calls for means is necessarily functional and bad—quite the contrary (*Davis* v. *New Departure Co.* [C. C. A. 6] 217 Fed. 775, 782; 133 C. C. A. 505; 212 O. G. 1057); nor would we hastily condemn for this reason, a claim which, by its functional quality, only became equivalent to that valid process claim which the inventor might have obtained through another form of his application; but a claim to a process which attempted to define the process only by its result, would be no less objectionable than is a corresponding claim to a machine.

For this reason we do not go into the many other questions involved. The decree dismissing Heidbrink's bill as to Patent No. 1,265,910 is affirmed.

In his first application (Patent No. 1,309,686) Heidbrink undertook to solve the problem of automatically maintaining the predetermined, and preferably equal, pressure in his conduits from supply tanks to mixing chamber by inserting therein an expansible supplementary chamber, with relatively large capacity, intended to hold the gas at a relatively small pressure. The expansible reservoir was in horizontal bellows form. Obviously the weight of the upper portion tended to collapse it, and the internal pressure need be only enough to lift this weight. Extending horizontally from the top of the bellows chamber he had a metallic arm and, upon the nearby frame, upper and lower stops with which this arm would make contact as the top of the bellows arose to its extreme expansion or as it fell a very slight distance, possibly an inch, therefrom. By a very complicated and elaborate system of electric wiring, solenoids and revolving parts he provided that when the arm contacted with the lower stop, the outlet valve from the supply tank should be slightly opened, and as soon as the bellows rose to its upper position, the same valve should be closed. It would result that the bellows would automatically maintain such a gas pressure therein as to keep the top of the bellows between the two stops; that is to say, the internal gas pressure would be automatically maintained at the predetermined point, with only such fluctuations or fluttering as the distance between the two stops might produce. Giving Heidbrink the benefit of all doubts as to operativeness, this is the disclosure upon which his claim 6 is drawn; and it is this electrical system and apparatus which he shows as the "means for automatically controlling the pressure in such reservoir," which is one of the elements of his claim. McKesson departs very far from this disclosure of means. His elastic reservoir, a rubber bag, by its expansion operates one end of a hinged lever arm, and the other end of this arm then directly closes, by a plunger movement, the supply tank outlet valve. As the elastic reservoir collapses, the operation is reversed and the outlet valve is opened. This elastic bag will therefore flutter as Heidbrink's bellows should do, and maintain a practically constant pressure therein.

[2] Upon balancing the considerations affecting the proper construction of this claim 6, the majority of the court concludes that the claim is not rightly capable of such a broad interpretation as to include defendant's device. We have already assumed that Heidbrink's described electrical means were operative—although this is strenuously denied, and is, at least, doubted by part of the court; but before he put his machine on the market or had procured from his single specimen of the bellows apparatus any use that could cause it to be, at the most, little more than experimental, he discarded the whole idea of any such interposed expansible, supplementary reservoir, as being unnecessary, and substituted therefor, as the outlet valve of the supply tank, an ordinary pressure-reducing valve found upon the market; and by adopting this valve, he solved in a simpler way, as he thought, the whole problem of maintaining constant pressure in this conduit. The pressure-reducing valve has a measure of analogy to the automatically-regulated expansible chamber; but the analogy is imperfect. Then came McKesson (accepting, as we do, the district judge's findings as

[1] No. 1,265,910.

1. A gas-administering device having a mixing chamber, means for supplying thereto from independent sources a plurality of gases each under pressure and in fixed proportions at their respective pressures, and means for definitely regulating and determining the aggregate volume of flow of said gases into the mixing chamber at their respective pressures while maintaining said fixed proportions.

2. A gas-administering device having a mixing chamber, means for supplying thereto from independent sources of supply a plurality of gases each under pressure and in fixed proportions at their respective pressures, means for controlling the respective pressures at which the several gases are delivered to the mixing chamber, and means for definitely regulating and determining the aggregate volume of flow of said gases into the mixing chamber at their respective pressures while maintaining said fixed proportions.

No. 1,309,686.

6. In a device of the class described, a series of fluid and gas retainers, valves and flexible expansion chambers having connection with said retainers, means operative from the expansion of said chambers for operating said valves to provide a mixture of varying proportion, and an indicator for indicating the proportion.

7. In anæsthetic apparatus arranged to be equipped with a compressed gas cylinder, a regulating valve in communication with the gas supply from such cylinder, an expansible elastic gas bag constituting a variable pressure reservoir for a relatively large volume of gas at a relatively low pressure in free communication with the gas-administering passages of the apparatus, and means governed by the inflation of such bag for controlling said regulating valve.

to priority) and by a simplification of self-regulating means as applied to an elastic bag—itself much older than either party—made the expansible-reservoir idea practically a commercial success. However broadly Heidbrink's claim might be read as to variant electrical devices or even closely analogous mechanical devices, we cannot make it cover McKesson's construction; and hence it is not necessary to state the further contentions against infringement, since we conclude that this one must prevail.

We do not overlook, but find no occasion to decide, the controversy whether Heidbrink discloses a "variable-pressure reservoir," in the sense and to the extent which would make McKesson's elastic bag and forcing bar an equivalent. Precisely the same considerations determine the controversy as to infringement of claim 7. Its concluding element is "means governed by the inflation of such bag for controlling said regulating valve." Heidbrink's means are electrical, roundabout and dubious; McKesson's means are simple, direct and mechanical; Heidbrink's form has never been commercially used to any substantial extent and was almost at once abandoned by him; McKesson's form has had at least substantial commercial adoption and approval. The majority of the court thinks there is no infringement.

The decree dismissing the bill as to Patent No. 1,309,686 is affirmed.

We come now to the contentions of the cross-complaint. McKesson alleges infringement of his Patent No. 1,028,582, as to claims 1, 7, 8, 9, 10, and 14. Claim 1 calls for check valves between the sources of supply and the mixing chamber which prevent the flow of any gas through these conduits until the valves are lifted by the suction effect of the inhalation by the patient. Heidbrink does not use these. Claims 7 and 8 are directed particularly to the so-called rebreathing bag, but call, though in more general terms, for these same check valves, and Heidbrink does not have them or their equivalent. This call cannot be minimized; it forms part of the distinction from the earlier art on which these claims must rest. Claims 9, 10, and 14, like claim 1, more specifically require these same check valves.

As to Patent No. 1,028,583, infringement is alleged of claims 2, 8, and 9. This patent is directed to a peculiar form of rebreathing bag, the two parts of which telescope in order to adjust its size. Claims 8 and 9 are clearly limited to this telescoping feature which Heidbrink does not use. Claim 2 describes one of these telescoping parts in more general terms; but, in view of the specification, it cannot be read broadly enough to cover the very different adjusting device in that one of Heidbrink's rebreathing bag forms which is said to be an infringement.

As to Patent No. 1,320,900, infringement is claimed as to 14 claims, which may be divided into five groups. It is first to be noticed that since the court below held—and we are accepting the holding—that upon this patent McKesson is confined to his filing date, many of these claims would be anticipated by Heidbrink's patents, if the claims were read as broadly as McKesson now insists. The only matters which can require attention beyond this observation are in those details which are found in the Heidbrink commercial machine and not in his patents. It is sufficient to say that we have reviewed the contentions of McKesson as to all of these claims and are satisfied that, when construed as they must be, no infringement appears.

The decree dismissing the cross complaint is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

924,605, A. Gee, Manufacture of fashioned hosiery, suit filed Nov. 6, 1923, D. C., E. D. Pa., Doc. 2893, *Chipman Knitting Mills* v. *Quaker Hosiery Co.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Oct. 30, 1923, D. C., E. D. Pa., Doc. 2873, *The Davey Tree Expert Co.* v. *A. Arther.*

979,850, W. T. Hanna, Automatic stoker; 1,239,101, same, Locomotive-tender stoker mechanism, inserted by counterclaim Dec. 10, 1923, in suit filed Sept. 19, 1923, D. C., S. D. Ohio, Doc. E 323, *Locomotive Stoker Co.* v. *The Hanna Stoker Co.*

997,472, T. Steele, Artificial-tooth caps, C. C. Appeals (1st Cir.), Doc. 1638, *The Columbus Dental Mfg. Co.* v. *Ideal Interchangeable Tooth Co., Inc.* Decree of district court dismissing bill affirmed Jan. 18, 1924.

1,009,502, B. Goldman, Skylight, suit filed Dec. 3, 1923, D. C., E. D. Pa., Doc. 2911, *The Superior Skylight Co., Inc.*, v. *The Stanley Co. et al.*

1,172,393, A. Rosen, Sewing-machine attachment, suit filed Jan. 22, 1924, D. C., S. D. N. Y., Doc. E 28/280, *Cambridge Handkerchief Works, Inc.*, v. *M. Kankewitz & Mogelevsky (M. & K. Handkerchief Mfrs.)*

1,193,884, V. J. Emery, Grinders, suit filed Nov. 13, 1923, D. C., E. D. Pa., Doc. 2897, *The Auto Hone Co., Inc., et al.* v. *A. T. Eavenson.*

1,202,441, C. W. Small, Protective mats for use with automobiles, suit filed Jan. 24, 1924. D. C. Mass., Doc. E 1887, *C. W. Small* v. *S. S. Kresge Co.*

1,239,101. (See 979,850.)

1,248,756, Notice of suit in GAZETTE of January 22, 1924, incorrect, suit brought on Patent 1,284,756.

1,263,351. (See 1,367,341.)

1,284,756, R. O'Donnell, Baling press, suit filed Mar. 7, 1923, D. C., E. D. Wis., Doc. 1302 C D, *Galland-Henning Mfg. Co.* v. *Logemann Bros. Co.* Bill dismissed for want of equity Nov. 6, 1923.

1,359,400. (See 1,367,341.)

1,367,341, C. C. Abbott, Electric heating units, (inserted by counterclaim Apr. 29, 1922; 1,263,351, G. J. Schneider, Electric heaters; 1,359,400, E. M. Lightfoot, same), suit filed Feb. 21, 1922, D. C., E. D. Wis., Doc. C D 1200, *General Electric Co., et al.* v. *The Cutler-Hammer Mfg. Co.* Decision in favor of plaintiff and dismissing counterclaim for want of equity Dec. 20, 1923.

1,379,008, A. B. Frenier, Temperature-producing mechanism and controlling means thereto, suit filed Jan. 9, 1924, D. C., E. D. Wis., Doc. C D 1381, *A. B. Frenier* v. *The Juttner Heating Co.*

1,383,845, W. H. Palmer, Jr., Storage-battery connecter, suit filed Nov. 12, 1923, D. C., E. D. Wis., Doc. C D 1367, *The Electric Storage Battery Co.* v. *Perlick Brass Co.* Decree for plaintiff by stipulation Jan. 8, 1924.

1,396,070, Shoup & Oliver, Paper-feed device for autographic registers, suit filed Dec. 5, 1923, D. C., E. D. Pa., Doc. 2913, *Autographic Register Co.* v. *Hamilton Register Co.*

1,412,836, J. Botnar, Stitch-removing device suit filed Oct. 16, 1923, D. C., E. D. Pa., Doc. 2867, *S. B. Abbott* v. *Laing, Harrar & Chamberlin.*

1,422,082, P. Burke, Control means for locomotive cranes, suit filed Jan. 9, 1924, D. C., E. D. Wis., Doc. C D 1382, *Northwest Engineering Co.* v. *Koehring Co.*

1,441,703, Muhlfeld & Caracristi, Furnaces and means for feeding fuel thereto; 1,460,916, same, Method of burning pulverized fuel inserted by counterclaim, Nov. 5, 1923, in suit filed Sept. 25, 1923, D. C. Del., Doc. E 529, *The Bonnot Co. et al.* v. *Locomotive Pulverized Fuel Co.*

1,460,040, J. W. Schulze, Husk for electric-light fixtures; Des. 60,463, R. F. Lindemann, same, suit filed Dec. 28, 1923, D. C., E. D. Pa., Doc. 2937, *A. Vester Sons, Inc.*, v. *Uhr & Pariser (Uhr Gas & Electric Supply Co.)*

1,460,916. (See 1,441,703.)

Des. 55,432, A. J. D. Ohm, Electric lamp; Des. 57,254, same, Lighting-fixture bracket backs, suit filed Jan. 15, 1924, D. C., S. D. N. Y., Doc. E 28/264, *Lion Electric Appliance Co., Inc.* v. *S. Siegel.*

Des. 57,254. (See Des. 55,432.)

Des. 60,463. (See 1,460,040.)

Des. 62,373, I. M. Clarke, Ash tray, suit filed Nov. 10, 1923, D. C., E. D. Pa., Doc. 2895, *New Martinsville Glass Mfg. Co. v. The Griffin Choker Ash Tray Co., Inc.*

Des. 63,192, W. Muelberger, Textile fabric, suit filed Dec. 5, 1923, D. C., S. D. N. Y., Doc. E 28/107, *Nathan & Cohen Co., Inc.*, v. *Rosenthal, Findlay & McDonald, Inc.* Final consent decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Jan. 15, 1924.

TRADE-MARKS CANCELED.

25,969. Surgical, medical, useful, and ornamental belts for personal wear. Henry W. Lyon, Bridgeport, Conn. Registered February 5, 1895. Canceled January 24, 1924.

2.—APPAREL.
1. **Miscellaneous.**
2. **Guards or protectors—**
3. Head—
4. Insect repelling,
5. Firemen's helmets,
6. Military or aviators' helmets,
7. Heat resistant—
8. High temperature,
9. Face,
Eye shields—
10. Hat or cap attachments,
11. Hand or body supported,
12. Shades—
13. Spectacle attachments,
14. Goggles,
15. Hoodwinks or blinds,
16. Hand or arm—
17. Handle or rein attachments,
18. Boxing gloves,
19. Baseball gloves,
20. Hand pads,
21. Finger cots or protectors,
22. Leg—
23. Trouser attachments,
24. Knee pads or rests.
25. **Compressors—**
26. Corsets—
27. Abdominal supporting type,

2.—APPAREL—Continued.
Compressors—
Corsets—
28. Form shaping—
29. Hip or thigh reducing,
30. With breast-supporting features—
31. Nursing,
32. With shoulder braces,
33. With hose supporters,
34. Materials,
35. Patterns,
36. Stiffening and staying,
37. Elastic features,
38. Closures—
39. Lacing type,
40. Shields,
41. Abdominal supporters,
42. Brassières and supports,
43. Belts and girdles.
Body braces and supports—
44. Shoulder and back,
45. Shoulder.
46. **Garment protectors—**
47. Skirts,
48. Aprons—
49. Bibs,
50. Barbering,
51. Workmen's,

2.—APPAREL—Continued.
Garment protectors—
Aprons—
52. Ties and supports,
53. Armpit shields—
54. Combined with garments,
55. Body supported,
56. Dress-attaching features,
57. Frames,
58. Methods of making,
59. Sleeve,
60. Collar or cuff,
61. Stocking,
62. Knee,
63. Try-on hat linings.
64. **Burial garments.**
65. **Fur garments—**
66. Muffs.
67. **Bathing garments—**
68. Caps.
69. **Body garments—**
Union type—
70. Separable,
Skirted—
71. Combined bifurcated,
72. Convertible bifurcated,
73. Underwear,
74. Dresses,
75. Children's,

81,814. Leather and rubber boots and shoes. The Miller Bros. Star Shoe Co., Cleveland, Ohio. Registered May 9, 1911. Canceled February 5, 1924.

125,478. Headache and nerve-pain capsules. Thomas F. Monaghan, Philadelphia, Pa. Registered May 20, 1919. Canceled February 5, 1924.

133,010. Manicure sets sold as a unit. Northam Warren Corporation, New York, N. Y. Registered July 6, 1920. Canceled January 26, 1924.

141,023. Chocolates and candies. Zest Chocolates Co., Boston, Mass. Registered March 29, 1921. Canceled January 26, 1924.

152,606. Gas and oil stoves and ranges. Lackawanna Foundry Company, Dickson, Pa. Registered February 28, 1922. Canceled January 26, 1924.

159,832. Creamery butter. Cadillac Produce Company, Cadillac, Mich. Registered October 10, 1922. Canceled February 5, 1924.

161,391. Clothes-washing machines and parts thereof. The Air-Way Electric Appliance Corporation, Toledo, Ohio. Registered November 14, 1922. Canceled February 5, 1924.

163,936. Wall papers. Independent Wall Paper Company, Pittsburgh, Pa. Registered February 6, 1923. Canceled February 7, 1924.

164,665. Cleaner and polisher for automobiles. Abram Oscar Hancock, doing business as Lightning Auto Polish Company, Richmond, Va. Registered February 27, 1923. Canceled February 5, 1924.

168,792. Sweater coats, jerseys, jersey coats, etc. S. Augstein & Co., New York, N. Y. Registered May 29, 1923. Canceled February 5, 1924.

169,091. Nonalcoholic, maltless beverages. Robert L. Napier, Blenheim, S. C. Registered June 5, 1923. Canceled February 13, 1924.

176,368. Cake. Ward Baking Company, New York, N. Y. Registered November 20, 1923. Canceled February 7, 1924.

Changes in Classification.

(ORDER No. 2,852.)

U. S. PATENT OFFICE, *Washington, Dec. 31, 1923.*

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 2, Apparel (Division XXIV), abolish the existing subclasses and establish in lieu thereof the following subclasses and definitions:

2.—APPAREL—Continued.
Body garments—
Union type—
Skirted—
76. Waistbands, adjustable or elastic,
Bifurcated—
77. Men's union shirts,
78. Underwear,
79. Trousers and overalls,
80. Children's,
81. Heat resistant,
82. Water resistant,
83. Bed garments,
84. Hooded,
85. Overcoats—
86. Convertible to bifurcated,
87. Waterproof,
88. Capes—
89. Convertible to,
90. Sweaters,
91. Mufflers,
92. Back and chest protectors,
93. Coats—
94. Hunters' and special-article carrying,
95. Combined with vest or shirt,
96. Front closures,
97. Linings,
98. Collars—
99. Springs,
100. Fasteners,
101. Putting-on accessories,
102. Vests—
103. Combined with shirt or dickey,
Waists—
104. Nursing,
105. Dress,
106. Blouses—
107. Garment supporting,
108. Jacket type,
109. Underwear—
110. Corset covers,
111. Infants',
112. Garment supporting,
Shirts—
113. Undergarments,
114. Bed garments,
115. Men's outer garments—
116. With attached collars,
117. With garment supporters,
118. Bosom structure—
119. Detachable,
120. Supporters and protectors,
121. Overlaps,
122. Yokes, patches, and facings,
123. Cuffs—
124. Detachable,
125. Sleeves—
126. Detachable,
127. Neckbands,
128. Closures,
129. Collars—
130. Combined with neckties,
131. Soft fold type—
132. Supporters,
133. Women's wear—
134. Supporters,
135. Waterproof,
136. Paper,
137. Necktie-engaging devices—
138. Easy-slide structure,

2.—APPAREL—Continued.
Body garments—
Collars—
139. Attaching to shirts—
140. Ends,
141. Closures,
142. Bindings,
143. Blanks and processes,
144. Neckties—
145. Attaching features,
146. Cut-fabric type,
147. Knit-fabric type,
148. Knot structure—
149. Made up—
150. Four-in-hand type,
151. Bow type,
152. Forms and retainers—
153. Four-in-hand type,
154. Bow type,
155. Band structure—
156. Attachments,
157. End structure.
Hand or arm coverings—
158. Mittens,
159. Gloves—
160. Attachments,
161. Workmen's,
162. Wrists,
163. Fingers,
164. Linings,
165. Welts,
166. Staying,
167. Materials—
168. Rubber,
169. Patterns and processes,
170. Wristlets.
171. Head coverings—
172. Flapped,
173. With masks,
174. Toilet,
175. Hats—
176. Ventilating,
177. Shade,
178. Brim bindings,
179. Bands,
180. Frames,
181. Sweats,
182. Ventilating,
183. Head-size adjustment,
184. Sewing,
185. Attachments—
186. Trimmings,
187. Covers,
188. Hangers,
189. Guard cords,
190. Linings or tips,
191. Extension brims,
192. Materials and processes—
193. Straw type,
194. Cloth or felt type,
195. Caps—
196. Convertible,
197. Adjustable size,
198. Women's wear,
199. Attachments,
200. Materials—
201. Knitted,
202. Hoods—
203. With mufflers,
204. Bonnet type,
205. Helmet type,
206. Face coverings,
207. Scarfs and veils,
208. Muffs—
209. Ear.

2.—APPAREL—Continued.
Nethergarments—
210. Bustles,
211. Skirts—
212. Combined bifurcated,
213. Convertible bifurcated,
214. Riding,
215. With pads or distenders,
216. Hoop,
217. Lifters and holders,
218. Placket closures,
219. Waist closures,
220. Waistbands—
221. Adjustable or elastic,
222. Edge bindings or protectors,
223. Supporters,
Bifurcated—
224. Underwear—
225. Reinforcing,
226. Elastic inserts,
227. Trousers or overalls—
228. Knee length,
229. Waist or shirt supported,
230. Suspender attachments,
231. Stays or protectors—
232. Bottom,
233. Leg-straightening attachments,
234. Flies,
235. Waist closures,
236. Waistbands—
237. Adjustable or elastic,
238. Trunks,
239. Stockings—
240. Supporting features.
241. Reinforcing,
242. Leggings.
243. General structure and methods—
244. Trimmings—
245. Shoe ornaments,
246. Insignia,
247. Pockets—
248. Reinforced,
249. Article-attaching feature,
250. Article-retaining feature,
251. Fastening attachments,
252. Closing attachments,
253. Multiple compartment,
254. Safety trap,
255. Stiffening or staying—
256. Stiffeners—
257. Ends and fasteners,
258. Materials—
259. Steel—
260. Coated or covered,
261. Reinforced,
262. Hinged,
263. With fasteners,
264. Formed wire,
265. Attaching buttons or fastening—
266. Buttonhole strips,
267. Pads—
268. Shoulder,
Sleeves or legs—
269. Adjustable length,
270. Closures,
271. Loops or hangers,
272. Linings,
273. Dress weights,
274. Bindings,
275. Seams—
276. Reinforced,
277. Buttonholes.
278. Miscellaneous trimming stock.

THOMAS E ROBERTSON, *Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 11, 1924.

[VOL. 320. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 122,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUEENSLAND MEAT EXPORT COMPANY, LIMITED, Brisbane, Queensland, Australia. Filed Sept. 6, 1919.



The words "Queensland Meat Export Company Ld.", "Compressed Cooked Corned Beef", "6 lbs. Nett.", "Ready for Table Use", "Selected Quality", "Factories Brisbane River, Brisbane. Ross River, Townsville", "Head Office: Brisbane, Queensland, Australia.", "Quality Guaranteed", "Brand", "Queensland Meat Export Company Ld. Australia.", "Warranted to Keep in Any Climate", "Directions", and "Brand" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Oxtongues, Sheep Tongues, Luncheon Beef, Compressed Cooked Corned Mutton, Refined Beef Drippings, Boiled Beef, and Compressed Cooked Corned Beef.

Claims use since Jan. 6, 1900.

Ser. No. 155,039. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM M. BUTTERWORTH, doing business as The Sapo-Pepsin Company, Philadelphia, Pa. Filed Nov. 19, 1921.

Sapo-Pepsin

No claim is made to the words "Sapo-Pepsin" apart from the distinctive manner of printing shown in the drawing.

Particular description of goods.—Shampoo.

Claims use since August, 1920.

Ser. No. 159,117. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Feb. 9, 1922.

"TEXTILE-PELTS"

The trade-mark consists of the words "Textile-Pelts."

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats Made from Textile Fabrics.

Claims use since Jan. 4, 1922.

Ser. No. 159,204. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY IMKER, doing business as Gypsy Ointment Company, Saginaw, Mich. Filed Feb. 11, 1922.



The picture in drawing is fanciful.

Particular description of goods.—Ointment for Eczema, Chapped Hands, Burns, Piles, Ringworms, Itch, Infections, Boils, Skin Diseases, and Sunburn.

Claims use since January, 1910.

Ser. No. 159,306. (CLASS 39. CLOTHING.) COLORFAST SHIRT CO. INC., New York, N. Y. Filed Feb. 14, 1922.

COLORFAST

The mark consists of the combination of "Colorfast" and the colors, the conventional lining showing the colors green, orange, and red, respectively, no claim being made to the words "Color" and "Fast" apart from the mark shown.

Particular description of goods.—Dress, Negligee, and Work Shirts.

Claims use since Sept. 1, 1921.

Ser. No. 162,112. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Apr. 11, 1922.



Particular description of goods.—Fish Baits and Lures, Fishing Rods, Fishing Hooks, Fishing Lines, Fishing Reels, and Reel Seats.

Claims use since Jan. 2, 1912.

Ser. No. 168,822. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. L. BERNARD, Mountain View, Calif. Filed Aug. 28, 1922.



No claim is made to the words "All Food Chocolate" apart from the mark shown.

Particular description of goods.—Chocolate Candy.

Claims use since Feb. 1, 1921.

Ser. No. 169,714. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) JENKINS VULCAN SPRING CO., Richmond, Ind. Filed Sept. 20, 1922.



Particular description of goods.—Supplementary Springs for Vehicles.

Claims use since Nov. 20, 1919.

Ser. No. 170,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAKIR S. JERWAN, doing business as S. S. Jerwan, New York, N. Y. Filed Oct. 3, 1922.

POLAR PUNCH

No claim is made to the exclusive use of the word "Punch" apart from the mark as shown in the drawing. The mark consists of the words "Polar Punch."

Particular description of goods.—Milk Drink.

Claims use since Sept. 20, 1922.

Ser. No. 171,784. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BLEADON-DUN COMPANY, Chicago, Ill. Filed Nov. 10, 1922.



Particular description of goods.—Electromedical Apparatus Comprising High-Frequency and Violet-Ray Equipments, Electrodes, and Parts Thereof.

Claims use since January, 1921.

Ser. No. 172,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IMPERIAL PERFUMERY AND BARBER'S SUPPLIES, INC., New York, N. Y. Filed Nov. 22, 1922.



Particular description of goods.—Hair Tonics, Face Creams, Shampoos, Hair Dressings, Toilet Water, and Bay Rum.

Claims use since about 1913.

Ser. No. 173,166. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY LIMITED, London, England, now by change of name British Celanese Limited. Filed Dec. 11, 1922.

CELASTOID

Particular description of goods.—Sheets, Bands, Films, Rods, and Tubes Made Wholly or Principally of Cellulose Derivatives.

Claims use since March, 1921.

Ser. No. 173,231. (CLASS 12. CONSTRUCTION MATERIALS.) FRED O. GAMBLE, Memphis, Tenn. Filed Dec. 12, 1922.

MULTI-ART

Particular description of goods.—Veneer and Cut Lumber.

Claims use since Dec. 5, 1922.

Ser. No. 175,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DYEWOOD COMPANY, New York, N. Y. Filed Jan. 27, 1923.

HEMOLIN

Particular description of goods.—Hæmatine Crystals.

Claims use since June, 1906.

Ser. No. 175,184. (CLASS 15. OILS AND GREASES.) CASSETTY OIL AND GREASE CO., Nashville, Tenn. Filed Jan. 27, 1923.

Apex



Particular description of goods.—Cream-Separator Oil, Axle Grease, and Lubricating Oil for Automobiles.

Claims use since 1887.

Ser. No. 176,487. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) R. MACKELLAR'S SONS COMPANY, Peekskill, N. Y. Filed Feb. 23, 1923.



No claim is made to the words "MacKellar's Mills, Peekskill, N. Y." apart from the mark shown in the drawing.

Particular description of goods.—Charcoal, Charcoal Sticks Used in Blowpipe Work in Laboratories, and Charcoal Blocks for Burning Incense.

Claims use since May 1, 1902.

Ser. No. 176,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASON V. LEWIS, Wilmore, Ky. Filed Mar. 2, 1923.

MASON LEWIS'



The portrait comprising part of trade-mark is that of applicant.

Particular description of goods.—Medicinal Preparation Recommended for Use in the Treatment of Asthma, Bronchial, and Hay Fever.

Claims use since Feb. 1, 1923.

Ser. No. 177,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY EVELYN JONES, doing business as Mary Evelyn's Cake Kitchen, Long Island City, N. Y. Filed Mar. 14, 1923.



The mark consists of a portion of the applicant's signature as written by her.

Particular description of goods.—Cake.

Claims use since Mar. 20, 1922.

Ser. No. 177,748. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GEORGE W. LUFT COMPANY, INC., Long Island City, N. Y. Filed Mar. 20, 1923.



Particular description of goods.—Toilet Preparations—Namely, Face Cream, Cleansing Cream, Bleach Cream, Day Cream, Dental Cream, Night Cream, Hair-Color Restorer, Liquid Complexion Powder, Rouge, Compact Powder, Lip Stick, Eyebrow Pencils, Bath Salts, Skin Lotion, and Massage Oil.

Claims use since about Sept. 1, 1921.

Ser. No. 179,624. (CLASS 39. CLOTHING.) ROB ROY COMPANY, New York, N. Y. Filed Apr. 24, 1923.

ROB ROY

Particular description of goods.—Negligee and Dress Shirts and Blouses.

Claims use since about May 17, 1921.

Ser. No. 179,920. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ASSETS PRODUCING COMPANY, doing business as Atlantic-Pacific Paint Works, Chicago, Ill. Filed Apr. 30, 1923.



Particular description of goods.—Ready-Mixed Paints, Varnishes, Paint Enamels, Stains, and Dry, Paste, and Oil Colors.

Claims use since Jan. 1, 1922.

Ser. No. 180,028. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAHARA DRY BATTERY COMPANY, Central Falls, R. I. Filed May 1, 1923.

SAHARA

Particular description of goods.—Dry Storage Batteries.

Claims use since Apr. 24, 1923.

Ser. No. 180,087. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed May 2, 1923.

ELDORADO

Particular description of goods.—Petroleum and Products of Petroleum with or without Admixtures of Other Materials for Illuminating and Heating, Lubricating, Greasing, Solvent, Waterproofing, Rust Preventing, Surface Preserving, and Tempering.

Claims use since 1894.

Ser. No. 180,601. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Filed May 14, 1923.

Shine-All

No claim is made to the words "Shine-All" apart from the mark as shown. The mark consists of the words "Shine-All" with a rising sun as a background.

Particular description of goods.—Furniture-Cleansing Compound with Incidental Polishing Properties.

Claims use since Jan. 10, 1915.

Ser. No. 181,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGLO-AMERICAN INDUSTRIAL & COM. CO., New York, N. Y. Filed May 29, 1923.



No claim is made to the words 'Special Brand, Net Weight 7 oz., Perfect Table Sauce Prepared by A. A. I. & C. Co. N.Y.C." apart from the mark as shown.

Particular description of goods.—Table Sauce.

Claims use since May 1, 1923.

Ser. No. 181,517. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. ECK, New York, N. Y. Filed June 4, 1923.

NATURESDOCTOR

Particular description of goods.—External Application for Blood Poison, Rheumatism, Piles, Boils, Carbuncles, Neuritis, Abscesses, Burns, and All Skin Diseases.

Claims use since Sept. 1, 1922.

Ser. No. 181,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARNARD KAISER, Seattle, Wash. Filed June 4, 1923.



No claim is made to the words "Instant Relief" apart from the mark as shown.

Particular description of goods.—Preparation for the Treatment of Eczema and Scabies.

Claims use since Jan. 9, 1921.

Ser. No. 181,780. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSISCHE TEE IMPORT GESELLSCHAFT M. B. H. KJACHTA, Frankfort-on-the-Main, Germany. Filed June 9, 1923.



The English translation of the Russian words appearing on the drawing is "Contents One Russian Pound, Russian Tea-Importing Co., Kiakhta, Black China Tea, First Quality, Registered Label." No claim is made to the descriptive reading matter appearing on the drawing in the Russian language apart from the mark shown. This disclaimer does not include "No. 500," nor does it include the Russian words reading in translation "Russian Tea Importing Company Kjachta."

Particular description of goods.—Tea.

Claims use since Mar. 15, 1923.

Ser. No. 181,890. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WM. C. HENDERSON, Baltimore, Md. Filed June 12, 1923.

Y-N

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Mar. 1, 1923.

Ser. No. 182,164. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) C. W. McCLURE, Atlanta, Ga. Filed June 18, 1923.

TEN-CENT-TERIA

Particular description of goods.—Crockery: Plain and Decorated Dinner Ware; China: Plain and Decorated Dinner Ware, Ornamental Vases, Bowls, Other Bric-a-Brac; Earthenware: Jugs, Bowls, Flowerpots, Toilet Ware; Pottery: Ornamental Vases, Flower Vases, and Jardinières.
Claims use since May 31, 1923.

Ser. No. 182,199. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. C. BLACKER, doing business as D. C. Blacker, Indianapolis, Ind. Filed June 19, 1923.



Particular description of goods.—Canned Beans, Canned Chile Con Carne Straight, Canned Chile Con Carne with Spaghetti, Canned Chile Con Carne with Beans and Spaghetti, and Canned Chile Con Carne with Spaghetti and Cheese.
Claims use since Dec. 25, 1922.

Ser. No. 182,432. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 25, 1923. Under ten-year proviso.

Tid-bit

Particular description of goods.—Biscuits, Crackers, Wafers, and Cakes.
Claims use since on or about Apr. 14, 1891.

Ser. No. 182,448. (CLASS 39. CLOTHING.) CHAS. A STEVENS & BROS., Chicago, Ill. Filed June 25, 1923. Under ten-year proviso.

CHAS-A-STEVENS&BROS.

Particular description of goods.—Wearing Apparel for Women, Misses, and Children, Comprising Furs, Skirts, Coats, Suits, Dresses, Gowns, Sports Apparel, Sweater Blouses, Petticoats, Lingerie, Negligees, Corsets, Girdles, Brassières; Silk, Wool, Silk and Wool, and Cotton Underwear of Knitted and Textile Fabric; Shoes and Slippers of Leather and Combinations, Neckties and Scarfs, Gloves of Kid and Wash Material, Hosiery, Scarfs, Bathing Suits, Bathing Shoes, and Bathing Caps.
Claims use since 1889.

Ser. No. 183,153. (CLASS 37. PAPER AND STATIONERY.) INDEPENDENT WALL PAPER COMPANY, Pittsburgh, Pa. Filed July 13, 1923.

Independent

Particular description of goods.—Wall Paper.
Claims use since December, 1911.

Ser. No. 183,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUY W. CONNER, Medford, Oreg. Filed July 16, 1923.

GOLD CREST

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since August, 1917.

Ser. No. 183,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEIS & SERRAVALLO, Trieste, Italy. Filed July 21, 1923.

Dr E. W.
POPY
Dr V. S.

Particular description of goods.—Reactive Fluid to Judge Rapidly of the Fitness of Motor Fuels.
Claims use since December, 1922.

Ser. No. 183,631. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MEBANE COTTON BREEDING ASSOCIATION, Lockhart, Tex. Filed July 24, 1923.



MEBANE PEDIGREED LONGER STAPLE COTTON PLANTING SEED

No claim is made to the use of the words "Mebane Pedigreed Longer Staple Cotton-Planting Seed" apart from the mark shown in the drawings, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Cotton-Breeding Seed.
Claims use since Jan. 2, 1922.

Ser. No. 183,634. (CLASS 17. TOBACCO PRODUCTS.) JUSTIN SEUBERT, INC., Syracuse, N. Y. Filed July 24, 1923. Under ten-year proviso.

JUSTIN SEUBERT'S

Particular description of goods.—Cigars.
Claims use since 1873.

Ser. No. 183,761. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SEBASTIAN LATHE CO., Cincinnati, Ohio. Filed July 27, 1923.

Gold Seal
SEBASTIAN
LATHES

No claim is made herein to the words "Lathes" and "Sebastian" apart from the mark shown by the drawing.
Particular description of goods.—Lathes.
Claims use since July 25, 1923.

Ser. No. 184,132. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS HILLSON, doing business as The Hillson Company, Boston, Mass. Filed Aug. 6, 1923.



Applicant disclaims the word "Game" appearing on the drawing apart from the mark as shown in the drawing, without waiving any of his common-law rights. There is no English translation of the Chinese characters appearing on the drawing, these being fanciful.
Particular description of goods.—Table Game Played with Pieces Similar to Dominoes.
Claims use since July 15, 1923.

Ser. No. 184,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGIL M. GERRARD, Los Angeles, Calif. Filed Aug. 17, 1923.

Southern Cross

Particular description of goods.—Fresh Vegetables and Fresh Cantaloupes.
Claims use since Dec. 29, 1922.

Ser. No. 184,696. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO., INC., New York, N. Y. Filed Aug. 18, 1923.

KIT

Particular description of goods.—Art-Needlework Package Containing Yarns for Art Needlework.
Claims use since Mar. 20, 1923.

Ser. No. 184,739. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. L. MONTGOMERY, Memphis, Tenn. Filed Aug. 20, 1923.

KEMIKAL WELD-IT

Particular description of goods.—Outfits for Repairing Automobile Tubes and Rubber Goods.
Claims use since May 15, 1922.

Ser. No. 184,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARRETT E. BACORN, doing business as The Delicatex Company, New York, N. Y. Filed Aug. 21, 1923.

DELICATEX

Particular description of goods.—Skin and Complexion Balm, Cream, or Lotion.
Claims use since June 17, 1922.

Ser. No. 185,083. (CLASS 39. CLOTHING.) F. Z. LESCHIN, New York, N. Y. Filed Aug. 28, 1923.

Leschin

Particular description of goods.—Ladies' Hats.
Claims use since Jan. 1, 1923.

Ser. No. 185,178. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ECONOMIC HAND-SAW COMPANY, Central Falls, R. I. Filed Aug. 30, 1923.



Particular description of goods.—Handsaws.
Claims use since July 2, 1923.

Ser. No. 185,216. (CLASS 12. CONSTRUCTION MATERIALS.) FRANCO-BELGIAN MARBLE CO., INC., New York, N. Y. Filed Aug. 31, 1923.

MBB

Particular description of goods.—Blue Belgian Building Marble.
Claims use since Jan. 1, 1921.

Ser. No. 185,217. (CLASS 12. CONSTRUCTION MATERIALS.) FRANCO-BELGIAN MARBLE CO., INC., New York, N. Y. Filed Aug. 31, 1923.

MN

Particular description of goods.—Black Construction Marble.
Claims use since Jan. 1, 1921.

Ser. No. 185,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORSE CROWN CANNING CO., INC., New York, N. Y. Filed Sept. 7, 1923.

NORSE CROWN

Particular description of goods.—Canned Cod Cuts Commonly Known as Choice Codfish Steaks, Smoked Halibut, Salmon, Crab Meat, Scallops, Tunny Fish, Soused Mackerel, Preserved Canned Mackerel, Lobster, Clams, Oysters, Sardines, Pickled Herring, Salmon Steaks, Shad Roe, Herring, and Mackerel.
Claims use since September, 1914.

Ser. No. 185,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD W. SLATER, doing business as Westchester Farm Products Company, Mamaroneck, N. Y. Filed Sept. 7, 1923.

Pride of the County

Particular description of goods.—Eggs and Butter.
Claims use since July 1, 1923.

Ser. No. 185,967. (CLASS 12. CONSTRUCTION MATERIALS.) RICHARD HILL & CO. LIMITED, Middlesbrough, England. Filed Sept. 20, 1923.

MAXWELD

Particular description of goods.—Bars, Ropes, Strips, Helices, Stirrups, and Welded Fabric Used in Concrete Construction.
Claims use since Oct. 6, 1922.

Ser. No. 186,072. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

Particular description of goods.—Dustpans, Roasting Pans, Double Boilers, Combination Dippers, Pot Covers, Steam Cookers, Sink Strainers, Coffee Balls, Tea Balls, Drinking Cups, Juice Extractors, Funnels, Pie Plates, Lemonade Shakers, Match Holders, Toothpick Holders, Clothes Sprayers, Teakettles, Coffee Percolators, Coffeepots, Teapots, Cuspidors, Foot Baths, Coffee Boilers, Washbowls, Colanders, Dippers, Preserving Kettles, Milk Boilers, Ladles, Chambers, Muffin Pans, Milk Pans, Rice Boilers, Stove Pans, Dish Pans, Sauce Pots, Water Pitchers, Dinner Plates, Soup Plates, Bread Raisers, Skimmers, Suds Dippers, Soap Dishes, Pudding Pans, Cake Molds, Cake Pans, Biscuit Pans, Strainers, Cake Turners, Milk Kettles, Bread Pans, Marking Pots, Bouquet Holders, Tea Trays, Ash-Can Covers, Refrigerator Pans, Dripping Pans, Sieves, Flour Dredges, Salt Shakers, Pepper Shakers, All Made of Base Metal.
Claims use since about October, 1905.

Ser. No. 186,073. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

RM

No claim is made to the lining, which indicates red color on the drawing.
Particular description of goods.—Dustpans, Roasting Pans, Double Boilers, Combination Dippers, Pot Covers, Steam Cookers, Sink Strainers, Coffee Balls, Tea Balls, Drinking Cups, Juice Extractors, Funnels, Pie Plates, Lemonade Shakers, Match Holders, Toothpick Holders, Clothes Sprayers, Teakettles, Coffee Percolators, Coffeepots, Teapots, Cuspidors, Foot Baths, Coffee Boilers, Washbowls, Colanders, Dippers, Preserving Kettles, Milk Boilers, Ladles, Chambers, Muffin Pans, Milk Pans, Rice Boilers, Stove Pans, Dish Pans, Sauce Pots, Water Pitchers, Dinner Plates, Soup Plates, Bread Raisers, Skimmers, Suds Dippers, Soap Dishes, Pudding Pans, Cake Molds, Cake Pans, Biscuit Pans, Strainers, Cake Turners, Milk Kettles, Bread Pans, Marking Pots, Bouquet Holders, Tea Trays, Ash-Can Covers, Refrigerator Pans, Dripping Pans, Sieves, Flour Dredges, Salt Shakers, Pepper Shakers, All Made of Base Metal.
Claims use since about October, 1905.

Ser. No. 186,074. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Sept. 22, 1923.

SHIELD

Particular description of goods.—Dustpans, Roasting Pans, Double Boilers, Combination Dippers, Pot Covers, Steam Cookers, Sink Strainers, Coffee Balls, Tea Balls, Drinking Cups, Juice Extractors, Funnels, Pie Plates, Lemonade Shakers, Match Holders, Toothpick Holders, Clothes Sprayers, Teakettles, Coffee Percolators, Coffeepots, Teapots, Cuspidors, Foot Baths, Coffee Boilers, Washbowls, Colanders, Dippers, Preserving Kettles, Milk Boilers, Ladles, Chambers, Muffin Pans, Milk Pans, Rice Boilers, Stove Pans, Dish Pans, Sauce Pots, Water Pitchers, Dinner Plates, Soup Plates, Bread Raisers, Skimmers, Suds Dippers, Soap Dishes, Pudding Pans, Cake Molds, Cake Pans, Biscuit Pans, Strainers, Cake Turners, Milk Kettles, Bread Pans, Marking Pots, Bouquet Holders, Tea Trays, Ash-Can Covers, Refrigerator Pans, Dripping Pans, Sieves, Salt Shakers, Pepper Shakers, Flour Dredges, All of Base Metal.
Claims use since about Sept. 2, 1922.

Ser. No. 186,345. (CLASS 37. PAPER AND STATIONERY.) WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Sept. 28, 1923.

MARIGOLD

Particular description of goods.—Toilet Paper, Towels, and Napkins Made of Paper.
Claims use since January, 1915.

Ser. No. 186,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC J. EPSTEIN, doing business as Epstein Drug Co., San Francisco, Calif. Filed Oct. 1, 1923.

ED

Particular description of goods.—Medicinal Preparations—Namely, Witch-Hazel Cream and Corn Remedy.
Claims use since Mar. 1, 1923.

Ser. No. 186,469. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN FARNUM CO., Philadelphia, Pa. Filed Oct. 2, 1923. Under ten-year proviso.

PEQUA

"Pequa."
Particular description of goods.—Cotton Piece Goods.
Claims use since prior to Mar. 9, 1860.

Ser. No. 186,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRI-ME-LABORATORIES, INC., Indianapolis, Ind. Filed Oct. 3, 1923.

HE-PA-CO

Particular description of goods.—Medicinal Preparation for the Relief of Headaches, Colds, and Pain.
Claims use since Nov. 1, 1922.

Ser. No. 186,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CROSBY-WARTMANN PACKING CO., Citra, Fla. Filed Oct. 5, 1923.



No claim is made to the right to the exclusive use of the words "Orange Lake" and "Pineapple Oranges" except in setting and relation in which they appear in the drawing and specimens or facsimiles of the mark filed with this application.
Particular description of goods.—Fresh Citrous Fruits.
Claims use since about Jan. 1, 1890.

Ser. No. 186,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRANK GOETZ BAKERY COMPANY, New Haven, Conn. Filed Oct. 6, 1923.

GET HAPPY

Particular description of goods.—Prepared Milk Food Beverage.
Claims use since Dec. 15, 1922.

Ser. No. 186,704. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HAROLD W. GOODNOW, doing business as The Home Supply Company, Denver, Colo. Filed Oct. 8, 1923.

Poliglate

Particular description of goods.—Chemical Composition for Cleaning and Polishing Brass, Copper, Bronze, Zinc, and German Silver, Which Has Incidental Replating Qualities.
Claims use since Aug. 1, 1923.

Ser. No. 186,917. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THOMAS G. LOVEGROVE, Philadelphia, Pa. Filed Oct. 12, 1923.

EVERKEEN

The exclusive right to the representation of the article in the mark is herein disclaimed apart from the mark shown in the drawing, without, however, waiving any common-law rights thereto.
Particular description of goods.—Magnetic Razor-Blade Sharpeners.
Claims use since about June 1, 1923.

Ser. No. 186,955. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HOME APPLIANCE MFG. CO., Camden, N. J. Filed Oct. 13, 1923.

HOME ELECTRIC VALET

Particular description of goods.—Electrically-Operating Pressing Appliances Somewhat in the Nature of an Electric Heating Pad or Resistance Unit Against Which Articles, Particularly of Wearing Apparel, Are Held Under Pressure to Remove Wrinkles and to Press Said Articles.
Claims use since on or about Aug. 10, 1923.

Ser. No. 187,019. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HELEN VINCENT READER, Roosevelt, Wash. Filed Oct. 15, 1923.

GOOKY GIRL

Particular description of goods.—Dolls.
Claims use since June, 1922.

Ser. No. 187,022. (CLASS 15. OILS AND GREASES.) SLOANE-FORSBERG OIL CO., Oklahoma City, Okla. Filed Oct. 15, 1923.



No claim is made to the words "New Navy Gasoline" and "Individual Quality" apart from the mark shown on the drawing.
Particular description of goods.—Gasoline and Motor Oils.
Claims use since Jan. 1, 1922.

Ser. No. 187,073. (CLASS 7. CORDAGE.) WATERBURY COMPANY, Jersey City, N. J., and New York, N. Y. Filed Oct. 16, 1923.



The lining in the drawing represents the color green. Applicant does not claim the exclusive right to the use of the words "Steel Wire Rope" or to the representation of a section of wire rope apart from the mark as shown in the drawing.
Particular description of goods.—Wire Rope of All Sizes.
Claims use since May, 1915.

Ser. No. 187,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AARON WALTER ROSEMOND, Philadelphia, Pa. Filed Oct. 17, 1923.

NUXATED PEP-SO-TONE

Particular description of goods.—Remedy for Dyspepsia, Indigestion, and Flatulence.
Claims use since Mar. 1, 1922.

Ser. No. 187,190. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923.

NYLE

Particular description of goods.—Cotton Piece Goods.
Claims use since May 29, 1919.

Ser. No. 187,191. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923.

RUMSON

Particular description of goods.—Cotton Piece Goods.
Claims use since November, 1911.

Ser. No. 187,217. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARK ISAACS, Jacksonville, Fla. Filed Oct. 19, 1923.

ISAACS No. 505 ANTI-BILIOUS LIQUID

The words "Anti-Bilious Liquid" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Medicinal Preparation Used for Treatment of Biliousness, Colds, La Grippe, Chills, and Fever.
Claims use since Jan. 1, 1920.

Ser. No. 187,219. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JANSEN & PRETZFELD, INC., New York, N. Y. Filed Oct. 19, 1923.

CLIQUOT SILKS

No rights are asserted to the exclusive use of the word "Silks" apart from the mark shown in the drawing.
Particular description of goods.—Silks in the Piece.
Claims use since Oct. 11, 1923.

Ser. No. 187,366. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YVETTE CO., New York, N. Y. Filed Oct. 22, 1923.



Particular description of goods.—Hair Nets.
Claims use since about 1903.

Ser. No. 187,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JANE GUERNSEY, San Jose, Calif. Filed Oct. 25, 1923.

Lady Jane

Particular description of goods.—Facial Packs.
Claims use since Sept. 1, 1923.

Ser. No. 187,466. (CLASS 37. PAPER AND STATIONERY.) JOHN H. W. JONAS, New York, N. Y. Filed Oct. 25, 1923.

CADMUS BOND

Applicant hereby disclaims the word "Bond" apart from the mark shown, and hereby declares that he makes no claim for the exclusive use of the word "Bond" apart from the mark shown in connection with such application.
Particular description of goods.—Paper—Namely, Writing Paper, Bond Paper for Use by Printers, and Print Paper.
Claims use since November, 1909.

Ser. No. 187,558. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) F. A. WHITNEY CARRIAGE CO., Leominster, Mass. Filed Oct. 26, 1923.



Particular description of goods.—Light Vehicles—Namely, Baby Carriages Generically and Children's Carriages Generically.
Claims use since Oct. 4, 1923.

Ser. No. 187,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed Oct. 27, 1923.

Regina

Particular description of goods.—Cold Cream, Almond Cream, Massage Cream, Lettuce Cream, Whitening Cream, Vanishing Cream, Face Powder, Rouge, Rouge Compacts, Powder Compacts, Rachelle Compacts, Coconut Shampoo, Tar Shampoo, Pine Shampoo, Henna Shampoo, Lip Sticks, Eyebrow Pencils; Hair Tonics, Oily; Hair Tonics, Dry; Hair Remover, Liquid Dandruff Remover, Hair Whitening, Nail Powder, Liquid Nail Polish, Cuticle Remover, Manicure Oil, Rough-Skin Lotion, and Hair Dye.
Claims use since Oct. 17, 1923.

Ser. No. 187,629. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEOPOLDO LA CAMERA, Brooklyn, N. Y. Filed Oct. 29, 1923.



L. LaCamera

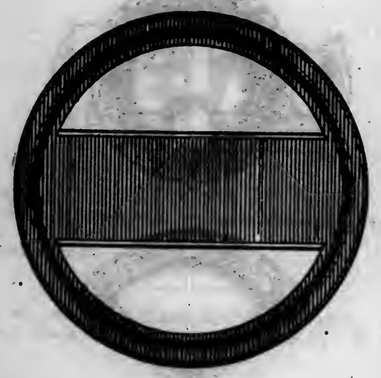
No claim made to the word "Trade-Mark" apart from the mark shown, the portrait appearing in the medallion and the signature being that of applicant. All common-law rights of the applicant for registration in the trade-mark shown in the accompanying drawing are, however, reserved.
Particular description of goods.—Medicinal Preparations for the Treatment of Stomach and Bowel Troubles, Acid in the Stomach, Organical Inflammations, Anemia, Tonics for the Purification and Regeneration of the Blood, Skin Eruptions, Asthma, Vegetable and Tamarind Sirups for the Stomach and Blood, Emulsions for Children and Run-Down Persons; and Also Balsams and Creams for External Treatment of Rheumatism, Muscular Pains and Irritations, and Skin Maladies.
Claims use since Aug. 12, 1923.

Ser. No. 187,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES GULDEN, INC., New York, N. Y. Filed Oct. 30, 1923.



The drawing is lined to indicate red and yellow color. The central field and the portion of the border marked with vertical lines are red. The remaining portions are yellow.
Particular description of goods.—Salad Dressing.
Claims use since Oct. 15, 1923.

Ser. No. 187,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES GULDEN, INC., New York, N. Y. Filed Oct. 30, 1923.



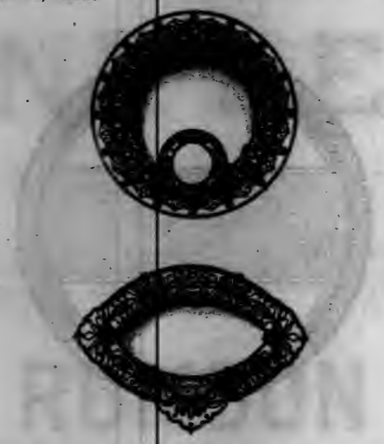
The drawing is lined to indicate red color, no claim made in this application to the exclusive right to the use of the bottle cap.
Particular description of goods.—Salad Dressing.
Claims use since Oct. 15, 1923.

Ser. No. 187,749. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SAMUEL LEWIS, New York, N. Y. Filed Oct. 31, 1923.



The words "Samuel Lewis Cleaning Specialties" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Floor Brooms, Steel-Wire Brooms, Combination Brushes, Hand Dusters, Furniture Dusters, Elevator Brushes, Radiator Brushes, Grille-Work Brushes, Bedpan Brushes, Adding-Machine Brushes, Instrument Brushes, Hopper and Cuspidor Brushes, Water-Closet Brushes, Milk-Bottle Brushes, Mattress Brushes, Cut-Glass Brushes, Silver-Polishing Brushes, Stove Brushes, House and Floor Brushes, Sink Brooms, Refrigerator and Coffee-Urn Brushes, Pot Scrub Brushes, Scrub Brushes, Bath Brushes, Bathtub Scrub Brushes, Bottle and Tumbler Brushes, Glass-Tube Brushes, Carafe Brushes, Toothbrushes, Nailbrushes, Hand Scrub Brushes, Hairbrushes, Clothes Brushes, Shoe Daubers, Shoe Brush and Daubers, Shoe Polishers; Brushes for Washing Walls, Windows; Dusters for Cleaning Walls, Ceilings; Carpet Sweepers; Crumb Brushes, Painters' Dusters, Painters' Brushes, Roof Brushes, Butcher-Block Brushes, Wire-Casting Brushes, Feather Dusters, Wool Dusters, Corn Brooms, Whisk Brooms, Car Washer Brushes, Fine Brushes, Window and Shutter Brushes, Mops, Pastry Brushes, Bath Brushes, Deck Scrub Brushes, Shaving Brushes, and Dust Cloths.
Claims use since Jan. 1, 1910.

Ser. No. 187,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNGERER & COMPANY, INC., New York, N. Y. Filed Nov. 2, 1923.



Particular description of goods.—Preparations for Scenting Perfumes and the Like.
Claims use since February, 1923.

Ser. No. 188,045. (CLASS 32. FURNITURE AND UPHOLSTERY.) HUGH DE HAVEN, San Francisco, Calif. Filed Nov. 6, 1923.

CROSS RAY

Particular description of goods.—Shaving Mirrors.
Claims use since Oct. 1, 1923.

Ser. No. 188,051. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT C. JONES, doing business as Jones Seed and Milling Company, Wichita, Kans. Filed Nov. 6, 1923.

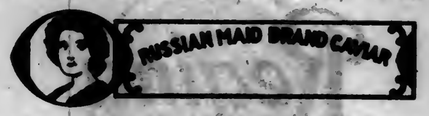
JONES
KLEAN
KRACKED
WHEAT



"I Just LOVES It"
for MORNING MEALS

No claim is made to the use of the words "Cleaned Kracked Wheat for Morning Meals" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto as displayed. The portrait comprising a part of the mark is that of my own daughter.
Particular description of goods.—Breakfast Cereal Food.
Claims use since 1918.

Ser. No. 188,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL ROSENBERG, doing business as Russian Maid Importing Caviar Company, New York, N. Y. Filed Nov. 10, 1923.



The portrait of the girl shown on the drawing is merely a fanciful illustration representing no particular person. The word "Brand" and "Caviar" are disclaimed apart from the mark as shown. The trade-mark is printed in gilt letters upon a green field and bordered by a red band having inreaching scroll elements.
Particular description of goods.—Canned Caviar.
Claims use since 1919.

Ser. No. 188,270. (CLASS 2. RECEPTACLES.) MARY J. MCARTHUR, Cleveland, Ohio. Filed Nov. 13, 1923.

Coollybox

The mark consists of the word "Coollybox," no claim being made to the exclusive use of the word "Box" separate and apart from the word "Coollybox" as shown in the drawing, no waiver, however, being made to my common-law rights in the use of the word "Coollybox."
Particular description of goods.—Window Boxes.
Claims use since Oct. 13, 1923.

Ser. No. 188,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES R. SIMON, Los Angeles, Calif. Filed Nov. 13, 1923.

QUICK
E SAFE Z
SURE
PILES.

No claim is made to the words "Piles, Quick, Safe, Sure" apart from the mark shown in the drawing.
Particular description of goods.—Preparations for the Treatment of Piles.
Claims use since Oct. 1, 1923.

Ser. No. 188,327. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) REX LEATHER GOODS CORPORATION, New York, N. Y. Filed Nov. 14, 1923.

REXBILT

Particular description of goods.—Leather Goods—Namely, Brief Cases, Portfolios, Traveling Bags, Suitcases, Music Carriers, Bill Folds, Pocketbooks, Catalogue Cases, and Sample Carriers.
Claims use since July 15, 1923.

Ser. No. 188,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KELP-OL COMPANY, Los Angeles, Calif. Filed Nov. 15, 1923.

Kelp-ol

Particular description of goods.—Preparation for the Treatment of Constipation.
Claims use since Oct. 1, 1923.

Ser. No. 188,424. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed Nov. 16, 1923.

Nat-Mar-Co.

Particular description of goods.—Laundry Appliances and Machines Consisting of Labels, Patches, and Tags, Such as are Sewed or Mechanically Attached to Clothes to be Laundered, Special Identifying Marking Pins (Safety Design), Trays for Holding in Series the Special Identifying Marking Pins and Carriers for Holding Such Trays; Enumerator Reels and Racks from the Bars of Which are Hung the Special Identifying Marking Pins, the Individual Pieces of Clothing Being Suspended Therefrom; Appliances for Marking Rooms of Laundries—Namely, Listing, Counting, and Checking Machines, Assorting Booths, and Wrapping Tables for Unlaundered and Laundered Clothes; Hand and Power Machines for Sewing or Attaching Patches, Labels, and Tags to Individual Pieces of Clothing to be Laundered; Also Machines for Stamping, Ironing, and Folding Laundered Clothes; Bleach Making Machines, and Drying Machines of Various Types—Namely, Heated Cabinet, Air-Drying Racks, Blower, and Centrifugal.
Claims use since Jan. 1, 1917.

Ser. No. 188,508. (CLASS 38. PRINTS AND PUBLICATIONS.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Nov. 17, 1923.

Art Needlework News

Particular description of goods.—Publication Issued at Irregular Intervals.
Claims use since Nov. 8, 1923.

Ser. No. 188,523. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BRAECKLEIN & BRAECKLEIN, doing business as Ideal Tourniquet Co., Baltimore, Md. Filed Nov. 19, 1923.

IDEAL

Particular description of goods.—Tourniquets.
Claims use since May, 1923.

Ser. No. 188,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM DEUTSCH, doing business as Re-Lax Co., Brooklyn, N. Y. Filed Nov. 19, 1923.

RE-LAX

"Re-Lax."
Particular description of goods.—Laxative Preparation.
Claims use since about January, 1921.

Ser. No. 188,592. (CLASS 33. GLASSWARE.) ILLINOIS GLASS COMPANY, Alton, Ill. Filed Nov. 20, 1923.

PRIOF FINISH

No claim is made to the word "Finish" apart from the mark shown.
Particular description of goods.—Glass Bottles of the Type Closed with Metal Caps.
Claims use since Aug. 1, 1921.

Ser. No. 188,625. (CLASS 15. OILS AND GREASES.) CANADIAN INDEPENDENT OIL, LIMITED, East St. John, New Brunswick, Canada. Filed Nov. 21, 1923.

LOILOIL

No claim is made to the exclusive use of the word "Oil."
Particular description of goods.—Motor Oils and Lubricants.
Claims use since Sept. 1, 1923.

Ser. No. 188,677. (CLASS 12. CONSTRUCTION MATERIALS.) SOLOMON J. HARRIS, doing business as Solar Products Co., New York, N. Y. Filed Nov. 22, 1923.

KLIMATITE

Particular description of goods.—Plastic Asphalt Asbestos Roofing.
Claims use since Nov. 19, 1923.

Ser. No. 188,684. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SELIG LASHER, doing business as Diamond Tape Mill, New York, N. Y. Filed Nov. 22, 1923.

DIAMOND TAPE MILL

Particular description of goods.—Tapes and Braids.
Claims use since Sept. 15, 1923.

Ser. No. 188,785. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTSILK KNITTING MILLS, West New York, N. J. Filed Nov. 24, 1923.

belle-VEL

Particular description of goods.—Knitted Pile Fabrics.
Claims use since Aug. 15, 1923.

Ser. No. 188,851. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. MILIUS & COMPANY, New York, N. Y. Filed Nov. 24, 1923.

EMC ENGLISH SILHOUETTE IMPORTED CLOTH REG. U.S. PAT. OFF.

No claim is made to the exclusive use of the words "English" and "Imported Cloth" and "Reg. U. S. Pat. Off." apart from the mark as shown.
Particular description of goods.—Cotton Piece Cloths.
Claims use since Sept. 1, 1923.

Ser. No. 188,923. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMMIE B. OWENS, Eustis, Fla. Filed Nov. 26, 1923.

OWENS



The portrait appearing on the drawing forming a part of this application is that of applicant.
Particular description of goods.—Liniment.
Claims use since about Jan. 7, 1923.

Ser. No. 188,976. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SOCIÉTÉ JOB, ANCIENS ETABLISSEMENTS BARDOU-JOB ET PAUILHAC, Perpignan and Toulouse, France. Filed Nov. 27, 1923.

BOJ

The mark consists merely in the invented word "Boj."
Particular description of goods.—Cigarette Papers, Pipes, Cigar Holders, Cigarette Holders, Cigar Cases, Tobacco Pouches, and Pipe Stoppers.
Claims use since July 7, 1897.

Ser. No. 189,040. (CLASS 39. CLOTHING.) L. S. DONALDSON COMPANY, Minneapolis, Minn. Filed Nov. 30, 1923.

Betonwear

The words "Trade-Mark Reg." are disclaimed apart from the mark as shown. The lining in the drawing indicates a gold or yellow color.
Particular description of goods.—Hosiery.
Claims use since Nov. 15, 1923.

Ser. No. 189,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REBECCA CHEESEMAN PAGE, Philadelphia, Pa. Filed Nov. 29, 1923.

R. C. P's Wonder Tonic



No claim made to the word "Tonic" apart from the mark as shown. The portrait is that of applicant, Rebecca Cheeseman Page.
Particular description of goods.—Medicinal Preparation for the Treatment of Lung Irritation, Kidney Trouble, Constipation, Coughs, Colds, and General Nervous and Run-Down System.
Claims use since Aug. 14, 1912.

Ser. No. 189,102. (CLASS 39. CLOTHING.) THE EURO SHIRT CO. INC., Louisville, Ky. Filed Dec. 1, 1923.

FLAKE O' SNOW

Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since Apr. 1, 1921.

Ser. No. 189,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX BEALLO, doing business as Warsawer Sausage Mfg. Co., Cleveland, Ohio. Filed Dec. 3, 1923.



The drawing is lined for yellow.
Particular description of goods.—Kosher Sausage, Bologna, Smoked Meats, Wieners, Salami; Breast Pastrami Speck, Which is Fat Smoked and Covered with Paprika; Knacks, Which Are Wieners Twice the Ordinary Size, Corned Beef, Pickled Breast Fat, Pickled Tongue, and Pickled Rolled Beef.
Claims use since Jan. 25, 1920.

Ser. No. 189,231. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Dec. 5, 1923.

"Aimcee"

Particular description of goods.—Wire Hairpins and Hand Sewing Needles.
Claims use since May, 1922.

Ser. No. 189,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HEINZ, FRANCK SONS, INC., Flushing, N. Y. Filed Dec. 5, 1923.

He-Fe-Son

Particular description of goods.—Pea Flour, Whole Dried Peas and Split Peas, Whole Dried Beans and Split Beans, and Bean Flour.
Claims use since Nov. 1, 1923.

Ser. No. 189,250. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KRUPPEL & ESSER COMPANY, Hoboken, N. J. Filed Dec. 5, 1923.

MINUSA

Particular description of goods.—Drawing Instruments Comprising Compasses, Dividers, Bow Pens, Bow Pencils, and Drawing Pens.
Claims use since May 17, 1920.

Ser. No. 189,279. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SPRAY ENGINEERING COMPANY, Boston, Mass. Filed Dec. 5, 1923.

SPRACO

Particular description of goods.—Air Washing and Cooling Equipment.
Claims use since on or about Nov. 10, 1915.

Ser. No. 189,283. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TWIN CITY SHELLAC CO., New York, N. Y. Filed Dec. 5, 1923.

SU LAQ

Particular description of goods.—Prepared Shellac.
Claims use since November, 1921.

Ser. No. 189,289. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMENDOLA BROTHERS, New Haven, Conn. Filed Dec. 6, 1923.

PATEM

Particular description of goods.—Hair-Dressing Preparation.
Claims use since Oct. 31, 1923.

Ser. No. 189,291. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN MILLS COMPANY, Atlanta, Ga. Filed Dec. 6, 1923.



Particular description of goods.—Textile Fabrics—Namely, Sheets, Sheeting, Pillowcases, Pillow Tubing, Bedspreads, Toweling, and Towels.
Claims use since March, 1922.

Ser. No. 189,304. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Dec. 6, 1923.

Faultless WONDER

Particular description of goods.—Nursing Nipples.
Claims use since Sept. 8, 1923.

Ser. No. 189,313. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN M. HULSH, doing business as Trojan Products & Mfg. Co., Chicago, Ill. Filed Dec. 6, 1923.



Particular description of goods.—Polishes in Liquid and Vaporized Wax Form for Automobiles, Furniture, Floors, Linoleum, Woodwork, Walls, and Leather.
Claims use since Oct. 30, 1923.

Ser. No. 189,323. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

81

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,327. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

1116

Particular description of goods.—Shade Pulls Comprising a Ring Covered with Textile Material and Having a Cord Attached Thereto.
Claims use since on or about Jan. 1, 1903.

Ser. No. 189,329. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

2334

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1909.

Ser. No. 189,330. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

2359

Particular description of goods.—Shade Tassels Made of Textile Materials.
Claims use since on or about Jan. 1, 1909.

Ser. No. 189,331. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. W. MAURER & SONS CO., Philadelphia, Pa. Filed Dec. 6, 1923.

2500

Particular description of goods.—Shade Pulls Comprising a Ring Covered with Textile Material and Having a Cord Attached Thereto.
Claims use since on or about Jan. 1, 1909.

Ser. No. 189,344. (CLASS 39. CLOTHING.) ALEX WINER, doing business as The Bee Line Manufacturing Company, Veedersburg, Ind. Filed Dec. 6, 1923.

Bee Line

Particular description of goods.—Work Shirts.
Claims use since Dec. 13, 1916.

Ser. No. 189,401. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GOVERNOR FASTENER COMPANY, New York, N. Y. Filed Dec. 8, 1923.

ELASTIEBAND

Particular description of goods.—Elastic Bands Used in the Manufacture of Necktles.
Claims use since Nov. 24, 1923.

Ser. No. 189,413. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HARRY I. KLAWANS, Chicago, Ill. Filed Dec. 8, 1923.

BLUE RIBBON

The trade-mark is shown lined to represent the color blue.
Particular description of goods.—Scrubbing and Polishing Mops and Roving Prepared Therefor.
Claims use since June 14, 1922.

Ser. No. 189,453. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Dec. 10, 1923.

FAULTLESS WONDER

Particular description of goods.—Water Bottles, Baby Comforters, Breast Pumps, Operating Cushions, Ice Caps and Bags, Invalid Cushions, Drainage Gauze, Coverings, Crutch Tips, Ring Pessaries, Medicine Droppers, and Finger Cots.
Claims use since Sept. 8, 1923.

Ser. No. 189,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORENCE M. KRANZ, Chicago, Ill. Filed Dec. 10, 1923. Under ten-year proviso.



Particular description of goods.—Candles.
Claims use since about Jan. 1, 1894.

Ser. No. 189,483. (CLASS 2. RECEPTACLES.) ARTHUR H. TREULIEB, Amsterdam, N. Y. Filed Dec. 10, 1923.

SERVE-U

Particular description of goods.—Bags for the Storage and Protection of Clothing and the Like.
Claims use since about June 1, 1923.

Ser. No. 189,493. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DURABLE PRODUCTS COMPANY, Cleveland, Ohio. Filed Dec. 11, 1923.

PARACOTE

Particular description of goods.—Coating for Pipes, Tanks, Cans, and Metal Surfaces.
Claims use since Mar. 1, 1923.

Ser. No. 189,498. (CLASS 2. RECEPTACLES.) B. & A. D. FESSENDEN CO., Townsend, Mass. Filed Dec. 11, 1923.

SANITITE

"Sanitite."
Particular description of goods.—Wooden Barrels.
Claims use since July 17, 1923.

Ser. No. 189,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERBER & Co. A. G., Thoune, Switzerland. Filed Dec. 11, 1923.



No claim is made to the word "Brand" except in combination with the word "Rainbow." The mark consists of the representation of a rainbow shown in colors red, yellow, and purple. The mountains below the rainbow are shown in purple. The two large pines at the right of the picture and the smaller pines at the left of the picture are shown in dark green, and the cow in the center of the picture is shown in yellow color spotted with a little red, the foreground of the mark being colored green and yellow.
Particular description of goods.—Cheese.
Claims use since Aug. 10, 1923.

Ser. No. 189,540. (CLASS 39. CLOTHING.) WARMBIRDS, INC., New York, N. Y. Filed Dec. 11, 1923.

Warmbirds

Particular description of goods.—Men's Outer Wearing Apparel—Namely, Coats and Ulsters.
Claims use since Nov. 22, 1923.

Ser. No. 189,563. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HENRY J. HENGSBACK, Springfield Gardens, N. Y. Filed Dec. 12, 1923.



Particular description of goods.—Enamels, Lacquers, Japans, Paints, and Varnishes, and Ready-Prepared Paint Enamels.
Claims use since June 22, 1923.

Ser. No. 189,616. (CLASS 39. CLOTHING.) H. GOTTFRIED, INC., New York, N. Y. Filed Dec. 13, 1923.

Prémiere



Cravats

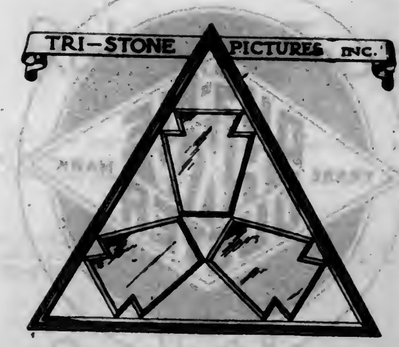
No claim is made for the exclusive use of the words "Cravats, Trade-Mark, Maker, New York" apart from the mark as shown.
Particular description of goods.—Neckties, Cravats, and Scarfs.
Claims use since July 27, 1923.

Ser. No. 189,626. (CLASS 39. CLOTHING.) JULIUS KAYSER & Co., New York, N. Y. Filed Dec. 13, 1923.

Bordure

Particular description of goods.—Hosiery.
Claims use since Nov. 15, 1923.

Ser. No. 189,647. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRI-STONE PICTURES, INC., New York, N. Y. Filed Dec. 13, 1923.



Particular description of goods.—Motion-Picture Films.
Claims use since Apr. 1, 1923.

Ser. No. 189,656. (CLASS 39. CLOTHING.) BRAEMOOR COAT COMPANY, INC., New York, N. Y. Filed Dec. 14, 1923.

Braemoor

Particular description of goods.—Coats for Men, Women, and Children.
Claims use since Nov. 14, 1923.

Ser. No. 189,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. B. COHEN & BRO., Scranton, Pa. Filed Dec. 15, 1923.



Particular description of goods.—Hair Nets.
Claims use since June 14, 1923.

Ser. No. 189,724. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KARL KELLER, doing business as Ecco Company, Hoboken, N. J. Filed Dec. 15, 1923.

ECCO

Particular description of goods.—Drawing Instruments Comprising Compasses, Dividers, Bow Pens, Bow Pencils, and Drawing Pens.
Claims use since Apr. 16, 1923.

Ser. No. 189,774. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Dec. 17, 1923. Under ten-year proviso.

GARLOCK

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since 1883.

Ser. No. 189,795. (CLASS 37. PAPER AND STATIONERY.) KOHINOOR BLEISTIFTFABRIK L. & C. HARDTMUTH IN BUDWEIS, Budweis, Czechoslovakia. Filed Dec. 17, 1923.

NEGRO

Particular description of goods.—Writing Pencils of All Kinds.
Claims use since May 18, 1896.

Ser. No. 189,816. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE IRA F. POWERS FURNITURE CO., Portland, Oreg. Filed Dec. 17, 1923.



Particular description of goods.—Furniture, and More Particularly Overstuffed Furniture.
Claims use since Oct. 30, 1923.

Ser. No. 189,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUBEL BAKING CO., Cincinnati, Ohio. Filed Dec. 17, 1923.



No claim made for the word "Bread" apart from the mark shown.
Particular description of goods.—Bread.
Claims use since on or about Nov. 3, 1923.

Ser. No. 189,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADIRONDACK SPRUCE PRODUCTS ASSN., Poland, N. Y. Filed Dec. 19, 1923.



Particular description of goods.—Chewing Gum.
Claims use since Sept. 15, 1923.

Ser. No. 189,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. W. HIRSH, Jr., doing business as The Hirsh Manufacturing Co., Memphis, Tenn. Filed Dec. 19, 1923.



No claim is made to the use of the words "Kills Bugs" and "Eck's Insect Exterminator" apart from the trademark shown on the drawing, applicant reserving all common-law rights thereto as displayed.
Particular description of goods.—Insecticides.
Claims use since Dec. 10, 1923.

Ser. No. 189,927. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HAROLD K. WILLIAMS, Decatur, Ill. Filed Dec. 19, 1923.



No claim is made to the words "Trade Mark" and "Duster."
Particular description of goods.—Cotton-Waste Dusters.
Claims use since Aug. 14, 1921.

Ser. No. 189,928. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AUBURN ASH COAL COMPANY, Linton, Ind. Filed Dec. 20, 1923.



'CHALLENGE'
The Superior Coal

No claim is made to the words "The Superior Coal" apart from the mark as shown.
Particular description of goods.—Coal.
Claims use since Oct. 20, 1923.

Ser. No. 189,933. (CLASS 39. CLOTHING.) COLLINS & STAPLES, Haverhill, Mass. Filed Dec. 20, 1923.



Particular description of goods.—Sandals Made of Leather.
Claims use since Dec. 13, 1923.

Ser. No. 189,950. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) B. J. RICKER, Grinnell, Iowa. Filed Dec. 20, 1923.

Rabbit's Foot

Particular description of goods.—Baseball Gloves, Baseball Bats.
Claims use since July 20, 1923.

Ser. No. 189,959. (CLASS 38. PRINTS AND PUBLICATIONS.) YACHTING INCORPORATED, New York, N. Y. Filed Dec. 20, 1923.

Yachting

Particular description of goods.—Monthly Magazine.
Claims use since July 25, 1907.

Ser. No. 189,977. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Dec. 21, 1923.

FRIEDMAN-SHELBY
"SWEET HOME"
FELTS FOR THE FAMILY

Particular description of goods.—Felt Shoes and Slippers.
Claims use since Dec. 1, 1923.

Ser. No. 189,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARION-LEE PHARMACAL COMPANY, Chicago, Ill. Filed Dec. 21, 1923.

RE-NU-LIFE

Particular description of goods.—General Tonic, a Blood Builder, and Appetizer.
Claims use since Nov. 18, 1923.

Ser. No. 189,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUTH LICHTENTAG, doing business as Paris Laboratories, New York, N. Y. Filed Dec. 21, 1923.



The words "Peach Shade" are disclaimed apart from the combination shown in the drawing.
Particular description of goods.—Face Powders in Compact, Loose, and Magazine Puff Form and Talcum Powders in Sifting Cans and Magazine Puff Form.
Claims use since Sept. 1, 1922.

Ser. No. 189,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STELLA WARNER, Los Angeles, Calif. Filed Dec. 21, 1923.

10-B-10

Particular description of goods.—Antiseptic Douche.
Claims use since Dec. 5, 1923.

Ser. No. 190,003. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FRED R. BELT COMPANY, Chicago, Ill. Filed Dec. 22, 1923.

LU-MI-NUM LAMP

No exclusive claim to the use of the word "Lamp" being made apart from the mark shown in the drawing.
Particular description of goods.—Miners' Lamps.
Claims use since Sept. 19, 1923.

Ser. No. 190,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARIEL D. SAVAGE, doing business as Gorham Specialty Co., Boston, Mass. Filed Dec. 22, 1923.



The mark consists of a fanciful picture disclosing the bust of a young woman in decollete, having a heavy head of black hair flowing over her shoulders.

Particular description of goods.—Hair Restorers.

Claims use since Jan. 1, 1909.

Ser. No. 190,039. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WARREN COMPANY, Atlanta, Ga. Filed Dec. 22, 1923.

COATEX

Particular description of goods.—Ready-Mixed Paints, Varnishes, Stains, Dry Colors, and Oil and Water Colors.

Claims use since Oct. 1, 1923.

Ser. No. 190,052. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GRAYSON & DRESSEL MFG. CO., INC., Ashland, Ky. Filed Dec. 24, 1923.

FIRESIDE

Particular description of goods.—Gas Heaters.

Claims use since Aug. 1, 1923.

Ser. No. 190,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES G. SINCLAIR, doing business as Val Duray, New York, N. Y. Filed Dec. 24, 1923.

Val Duray

Particular description of goods.—Facial Pack, Bleach Cream, Hair Restorer, Curling Liquid, and Hair Remover.

Claims use since Aug. 1, 1922.

Ser. No. 190,087. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BELL CHEMICAL CO., Chicago, Ill. Filed Dec. 26, 1923.

BELL'S

The words "Is Best" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Cleaning Fluid, White-Canvas Cleaner and White-Kid Cleaner.

Claims use since 1917.

Ser. No. 190,099. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN FRANKLIN JULIAN, doing business as Marshfield Supply Co., Marshfield, Mo. Filed Dec. 26, 1923.

Ozark Chief

Particular description of goods.—Canned Vegetables.

Claims use since 1912.

Ser. No. 190,100. (CLASS 39. CLOTHING.) KNOTHE BROTHERS CO., INC., New York, N. Y. Filed Dec. 26, 1923.

SMOOTHSOK

Particular description of goods.—Garters.

Claims use since March, 1923.

Ser. No. 190,104. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky. Filed Dec. 26, 1923.

KUR-FRES-CO

Particular description of goods.—Dry Base for Wall Coating.

Claims use since Dec. 1, 1908.

Ser. No. 190,156. (CLASS 39. CLOTHING.) FAIN KNITTING MILLS, INC., New York, N. Y. Filed Dec. 27, 1923.

Kamel Koat

No claim being made to the word "Koat" apart from the mark shown in the drawing.

Particular description of goods.—Sweaters and Sweater Coats.

Claims use since Sept. 1, 1923.

Ser. No. 190,182. (CLASS 39. CLOTHING.) FASHIONEERS, INC., New York, N. Y. Filed Dec. 28, 1923.

EMBRACETTE

"Embracette."

Particular description of goods.—Brassieres.

Claims use since Dec. 18, 1923.

Ser. No. 190,244. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENEGLOTARIA MEDICINE CO., INC., New York, N. Y. Filed Dec. 29, 1923.



Applicant hereby disclaims the exclusive right to the wording appearing on the drawing with the exception of the words "Eneglotaria Medicine Co." and "Eneglotaria" apart from the mark shown in the drawing.

Particular description of goods.—Laxatives and Purgatives.

Claims use since Apr. 15, 1919.

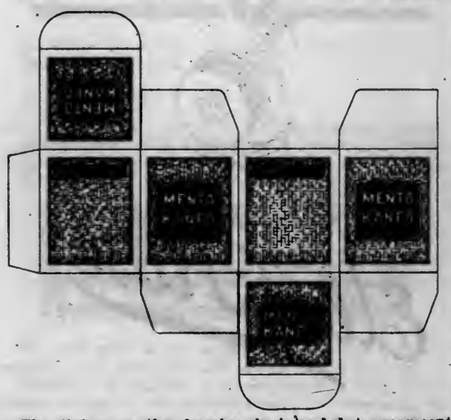
Ser. No. 190,254. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JUNIS CHEMICAL COMPANY, Brooklyn, N. Y. Filed Dec. 29, 1923.

HOSE-OFF

Particular description of goods.—Paint and Varnish Remover with Incidental Properties as a Grease and Oil Remover.

Claims use since June 26, 1922.

Ser. No. 190,257. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LARKIN CO. INC., Buffalo, N. Y. Filed Dec. 29, 1923.

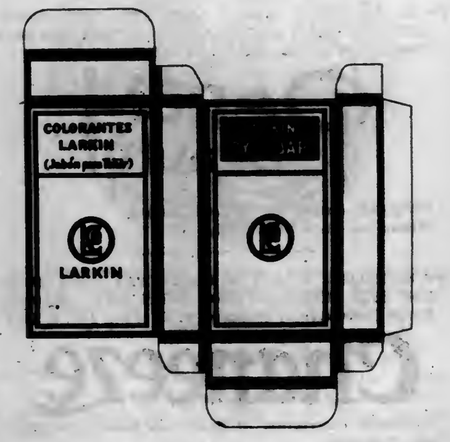


The lining on the drawing is intended to represent color—namely, yellow and blue. Applicant, without waiver of its common-law rights, makes no claim herein to the exclusive right to use the representation of a carton.

Particular description of goods.—Rubefacient or Counterirritant Salves or Ointments.

Claims use since Apr. 19, 1923.

Ser. No. 190,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LARKIN CO. INC., Buffalo, N. Y. Filed Dec. 29, 1923.



Applicant, without waiver of its common-law rights, makes no claim herein to the exclusive right to use the representation of a carton or to any of the words displayed upon the said mark other than "Larkin" apart from the mark as shown.

Particular description of goods.—Dye Soaps.

Claims use since July 9, 1918.

Ser. No. 190,298. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed Dec. 31, 1923.

SPEEDY SPAR

No claim is made to the word "Spar" apart from the mark shown in the drawing.

Particular description of goods.—Varnish.

Claims use since Dec. 1, 1923.

Ser. No. 190,327. (CLASS 39. CLOTHING.) L. BAMBERGER & CO., Newark, N. J. Filed Jan. 2, 1924.

"Corsetall"

Particular description of goods.—Girdle Corsets.

Claims use since Nov. 19, 1923.

Ser. No. 190,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. NOVACK, doing business as Colloidal Laboratories, Philadelphia, Pa. Filed Jan. 2, 1924.

COLOBROMIDINE

Particular description of goods.—Liquid Iodine and Bromine Preparation.
Claims use since May, 1916.

Ser. No. 190,357. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Jan. 2, 1924.

Penay Beauty

Particular description of goods.—Soap.
Claims use since May, 1922.

Ser. No. 190,404. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ELECTRIC PARTS CORPORATION, Syracuse, N. Y. Filed Jan. 4, 1924.

Chaneeze

Particular description of goods.—Antiskid-Automobile-Chain Tightener.
Claims use since Aug. 9, 1923.

Ser. No. 190,423. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORLEY BUTTON MANUFACTURING CO., Portsmouth, N. H. Filed Jan. 4, 1924.

Endurall

Particular description of goods.—Buttons Made with Heads of Plastic Material, Such as Papier-Mâché and the Like, and Not of Precious Metal.
Claims use since December, 1921.

Ser. No. 190,540. (CLASS 39. CLOTHING.) FRANCO CORSET CO. INC., New York, N. Y. Filed Jan. 8, 1924.

THE DANCER

Particular description of goods.—Girdles.
Claims use since Dec. 10, 1923.

Ser. No. 190,545. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) KOPS BROS. INC., New York, N. Y. Filed Jan. 8, 1924.

Variolastic

Particular description of goods.—Elastic Webbing in the Piece, the Goods Being Relatively Narrow and Adapted for Use as Bands for Various Purposes.
Claims use since Aug. 1, 1923.

Ser. No. 190,549. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BENJAMIN MOORE & Co., Jersey City, N. J., and Brooklyn, N. Y. Filed Jan. 8, 1924.

Vari-Tone SPONGE ROLLER

The words "Sponge Roller" are disclaimed apart from the trade-mark shown on the drawing.
Particular description of goods.—Sponge Roller.
Claims use since Dec. 10, 1923.

Ser. No. 190,555. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PINE CREST SANITARIUM, Jersey City and Chatsworth, N. J. Filed Jan. 8, 1924.

PINE CREST

Particular description of goods.—Natural Mineral Water.
Claims use since Nov. 1, 1922.

Ser. No. 190,664. (CLASS 39. CLOTHING.) ACKERMAN & ROSENTHAL, INC., Wilmington, Del., and St. Louis, Mo. Filed Jan. 11, 1924.



Ellen Rose

Particular description of goods.—Ladies' Hats.
Claims use since Nov. 1, 1923.

Ser. No. 190,667. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEE-CONE COMPANY, Baltimore, Md. Filed Jan. 11, 1924.

BESCO

Particular description of goods.—Ice-Cream Cones.
Claims use since Oct. 30, 1923.

Ser. No. 190,694. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LITHOPRINTEX CORPORATION, New York, N. Y. Filed Jan. 11, 1924.

LITHOPRINTEX

Particular description of goods.—Photomechanical Machines for Transferring or Reproducing Designs.
Claims use since Dec. 10, 1923.

Ser. No. 190,716. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. BOLDEN, New Castle, Pa. Filed Jan. 12, 1924.

Madam A. M. Bolden

The trade-mark consists of the signature of applicant.
Particular description of goods.—Medicinal Preparation for Tuberculosis and Stomach Troubles.
Claims use since Oct. 1, 1922.

Ser. No. 190,747. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J. Filed Jan. 12, 1924.

Nujol

Particular description of goods.—Edible Oils.
Claims use since Feb. 27, 1915.

Ser. No. 190,762. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN ROBERT BROWN, Lewiston, Me. Filed Jan. 14, 1924.

BROWN-SEP
THE KING OF ALL ANTISEPTICS

No claim made to the words "The" and "Of All Antiseptics" apart from the mark shown by the drawing.
Particular description of goods.—Healing and Stimulating Antiseptic for the Treatment of Pyorrhea, Inflamed and Bleeding Gums, Offensive Breath, Nasal Catarrh, Tonsilitis, Sore Throat, and Tooth Powder.
Claims use since Nov. 1, 1922.

Ser. No. 190,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 14, 1924.



Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, and Brilliantine.
Claims use since Dec. 1, 1912.

Ser. No. 190,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 14, 1924.

Mes Jeunes Années

Particular description of goods.—Face Powder.
Claims use since Dec. 7, 1923.

Ser. No. 190,774. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Jan. 14, 1924.

Celloxan

Particular description of goods.—Chemical Product to be Used in Dyeing and Printing.
Claims use since September, 1923.

Ser. No. 190,798. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Filed Jan. 14, 1924.

SURETY

Particular description of goods.—Cambric Tape.
Claims use since Feb. 1, 1922.

Ser. No. 190,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA REBMAN KELLY, doing business as Killarney Laboratories, Laredo, Tex. Filed Jan. 15, 1924.



Particular description of goods.—Face Clay, Cold Cream, and Hand Lotion.
Claims use since November, 1923.

Ser. No. 190,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOESCH BROS., Oldham, S. Dak. Filed Jan. 15, 1924.

IODOLEUM

Particular description of goods.—Antiseptic Compounds for Treating Wounds and Skin Diseases.
Claims use since Jan. 1, 1921.

Ser. No. 190,850. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL PAYMENTS CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Jan. 15, 1924.

NATIONAL

Particular description of goods.—Asphalt Cement.
Claims use since Mar. 1, 1923.

Ser. No. 190,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Jan. 15, 1924.

Caressant

"Caressant."
Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Nov. 22, 1923.

Ser. No. 190,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK STEARNS & COMPANY, Detroit, Mich. Filed Jan. 15, 1924.

Charme Caressant

"Charme Caressant."
Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Nov. 22, 1923.

Ser. No. 190,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 16, 1924.



Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, Brilliantine, Eau de Cologne, and Rouge.
Claims use since Dec. 7, 1923.

Ser. No. 190,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 16, 1924.



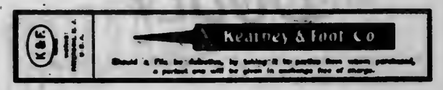
Particular description of goods.—Face Powder.
Claims use since Dec. 7, 1923.

Ser. No. 190,870. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 16, 1924.



Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet Powder, Brilliantine, Eau de Cologne, and Rouge.
Claims use since June 1, 1919.

Ser. No. 190,884. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KEARNEY & FOOT COMPANY, Paterson, N. J. Filed Jan. 16, 1924. Under ten-year proviso.



Particular description of goods.—Files and Rasps.
Claims use since 1880.

Ser. No. 190,892. (CLASS 39. CLOTHING.) HARRY MAURER, doing business as Novelty Undergarment Co., New York, N. Y. Filed Jan. 16, 1924.



Particular description of goods.—Women's and Girls' Undergarments—viz, Bloomers, Gymnasium Bloomers, Pyjamas, Costume Slips, Nightgowns, Step-Ins, Pantalets, and Chemises Manufactured from Cotton, Silk, and Wool Fabrics and Combinations of Same.
Claims use since Oct. 4, 1923.

Ser. No. 190,896. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PEABODY COAL COMPANY, Chicago, Ill. Filed Jan. 16, 1924.

HAWTHORN

Particular description of goods.—Coal.
Claims use since Jan. 10, 1924.

Ser. No. 190,931. (CLASS 39. CLOTHING.) HARRY KITZINGER & CO., New York, N. Y. Filed Jan. 17, 1924.

SPORTETTES

Particular description of goods.—Women's Wearing Apparel—Namely, Coats and Jackets.
Claims use since Dec. 26, 1923.

Ser. No. 190,945. (CLASS 2. RECEPTACLES.) TAGGESELL & SCHREIBER, Buffalo, N. Y. Filed Jan. 17, 1924.

Gloria

Particular description of goods.—Perfume Vials.
Claims use since about Nov. 20, 1923.

Ser. No. 190,951. (CLASS 37. PAPER AND STATIONERY.) SAMUEL WARD MFG. CO., Boston, Mass. Filed Jan. 17, 1924.



Particular description of goods.—Writing Papers and Envelopes.
Claims use since Dec. 18, 1923.

Ser. No. 190,966. (CLASS 39. CLOTHING.) HAMPSON BROTHERS, INC., Baltimore, Md. Filed Jan. 18, 1924.

HAMP-KNIT

Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1922.

Ser. No. 190,990. (CLASS 39. CLOTHING.) WILLIAM WEBER, Ybor City, Fla. Filed Jan. 18, 1924.



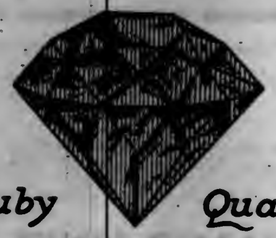
Particular description of goods.—House Dresses, Bungalow Aprons, Kimonos, Nightgowns, and Bloomers.
Claims use since Dec. 1, 1923.

Ser. No. 191,001. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) M. R. CAMPBELL, INC., Tullahoma, Tenn. Filed Jan. 19, 1924.



Particular description of goods.—Baseball Bats.
Claims use since Jan. 1, 1922.

Ser. No. 191,036. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PERCY GARDNER CORPORATION, Newark, N. J. Filed Jan. 19, 1924.



The drawing is lined to indicate the color of the ruby stone, red. No rights are asserted to the exclusive use of the word "Quality" apart from the trade-mark shown in the drawing.
Particular description of goods.—Bias Tape.
Claims use since Jan. 9, 1924.

Ser. No. 191,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CEDAREDGE FRUIT COMPANY, Cedaredge, Colo. Filed Jan. 21, 1924.



Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Sept. 25, 1923.

Ser. No. 191,057. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ROY EUGENE COOMBS, Des Moines, Iowa. Filed Jan. 21, 1924.

DUDLY

Particular description of goods.—Smoking Pipes.
Claims use since July 18, 1922.

Ser. No. 191,072. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GIDDINGS & LEWIS MACHINE TOOL COMPANY, Fond du Lac, Wis. Filed Jan. 21, 1924.

TEROMATIC

Particular description of goods.—Grinding Machines.
Claims use since Dec. 17, 1923.

Ser. No. 191,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NUTRINE MFG. CO., Chicago, Ill. Filed Jan. 21, 1924.

Nutrine BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Candy, Chocolate Candy, Fruit Candy, Candy Lozenges, Candied Fruit, Chocolates, Pop-Corn Confection, Nuts in Their Natural Shape, Nut Meats, Salted Nuts, and Candy-Coated Nuts.
Claims use since January, 1913.

Ser. No. 191,106. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL THEATRES CONCESSION CO., doing business as The Folly Town Company, Chicago, Ill. Filed Jan. 21, 1924.

Chestd'Gola

Particular description of goods.—Candy.
Claims use since Jan. 15, 1924.

Ser. No. 191,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINTER GARDEN CITRUS GROWERS ASSOCIATION, Winter Garden, Fla. Filed Jan. 21, 1924.

BULL FROG

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, Tangerines, Limes, and Lemons.
Claims use since 1909.

Ser. No. 191,146. (CLASS 15. OILS AND GREASES.) SUN OIL COMPANY, Philadelphia, Pa. Filed Jan. 22, 1924.

SILVERTOWN

Particular description of goods.—Lubricating Oils, and Particularly Marine-Engine Oils.
Claims use since on or about Mar. 1, 1923.

Ser. No. 191,147. (CLASS 15. OILS AND GREASES.) SUN OIL COMPANY, Philadelphia, Pa. Filed Jan. 22, 1924.



Particular description of goods.—Lubricating Oils, and Particularly Marine-Engine Oils.
Claims use since on or about Jan. 9, 1924.

Ser. No. 191,149. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM H. TOBIAS, doing business as Saibot Products Mfg. Co., Philadelphia, Pa. Filed Jan. 22, 1924.

The Housekeepers Hero SAIBOT PRODUCTS

The phrase "The Housekeepers Hero" and the word "Products" not claimed apart from the other features of the mark.
Particular description of goods.—Polish for Floors and Other Finished Woodwork.
Claims use since about Sept. 1, 1922.

Ser. No. 191,164. (CLASS 12. CONSTRUCTION MATERIALS.) THE CARLYLE-LABOLD CO., Portsmouth, Ohio. Filed Jan. 23, 1924.

CLATONE

Particular description of goods.—Building Brick.
Claims use since May 18, 1923.

Ser. No. 191,169. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS, New York, N. Y. Filed Jan. 23, 1924.

NAP-O-LIN

Particular description of goods.—Paper Products—Namely, Toilet Paper and Paper Napkins.
Claims use since June, 1922.

Ser. No. 191,171. (CLASS 37. PAPER AND STATIONERY.) EASTERN MANUFACTURING COMPANY, Bangor, Me. Filed Jan. 23, 1924.

CAPSTONE

Particular description of goods.—Paper Used for Printing, Writing, Bookkeeping, and Typewriting, and Mailing Envelopes.
Claims use since about Jan. 1, 1924.

Ser. No. 191,180. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed Jan. 23, 1924.

FLATVAR

Particular description of goods.—Varnishes.
Claims use since about 1909.

Ser. No. 191,187. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) W. A. RUSSELL & CO., New York, N. Y. Filed Jan. 23, 1924.

WARCO

Particular description of goods.—Air Valves for Steam Radiators and Floor Plates.
Claims use since Jan. 1, 1916.

Ser. No. 191,199. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Jan. 23, 1924.

Flatex

Particular description of goods.—Pigments Used for Imparting a Flat or Rubbed Appearance to Varnishes, Enamels, or Finishes.
Claims use since about May 15, 1917.

Ser. No. 191,200. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Jan. 23, 1924.

Toxitan

Particular description of goods.—Paint Pigments.
Claims use since about January, 1922.

Ser. No. 191,216. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BERG BROTHERS, INC., New York, N. Y. Filed Jan. 24, 1924.

FAMLEE

Particular description of goods.—Dolls.
Claims use since Jan. 18, 1924.

Ser. No. 191,245. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) F. A. WHITNEY CARRIAGE CO., Leominster, Mass. Filed Jan. 24, 1924.



Particular description of goods.—Doll Carriages.
Claims use since Jan. 2, 1924.

Ser. No. 191,249. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN MASON SAFETY TREAD COMPANY, Lowell, Mass. Filed Jan. 25, 1924. Under ten-year proviso.

MASON

Particular description of goods.—Stair Treads, Ramp Tops, Thresholds, Ladder Shoes, and Other Walk-Way Surfaces.
Claims use since Aug. 1, 1893.

Ser. No. 191,251. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ART WIRE AND STAMPING COMPANY, Arlington, N. J. Filed Jan. 25, 1924.

QLUX

Particular description of goods.—Safety Pins.
Claims use since Apr. 1, 1923.

Ser. No. 191,252. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ART WIRE AND STAMPING COMPANY, Arlington, N. J. Filed Jan. 25, 1924.

LUXON

Particular description of goods.—Safety Pins.
Claims use since Apr. 1, 1923.

Ser. No. 191,260. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Jan. 25, 1924.

LECTROLITE

Particular description of goods.—Ready-Mixed Paint.
Claims use since about Dec. 19, 1922.

Ser. No. 191,261. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Jan. 25, 1924.



No claim is made to the words "The Light Reflecting Enamel" apart from the mark as shown.
Particular description of goods.—Ready-Mixed Paint.
Claims use since about Dec. 21, 1923.

Ser. No. 191,267. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed Jan. 25, 1924.

10

Particular description of goods.—Air Compressors and Pumps.
Claims use since about Jan. 1, 1902.

Ser. No. 191,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. P. PEYTON FRUIT CO., Los Angeles, Calif. Filed Jan. 25, 1924.

The Queen's taste

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges.
Claims use since Oct. 20, 1923.

Ser. No. 191,310. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FRANK H. FROMM, doing business as F. H. Fromm & Co., Philadelphia, Pa. Filed Jan. 26, 1924.

LANTERN

Particular description of goods.—Safety Matches.
Claims use since December, 1923.

Ser. No. 191,321. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. F. JELENKO & Co., New York, N. Y. Filed Jan. 26, 1924.

Durocast

Particular description of goods.—Dental Golds.
Claims use since Jan. 7, 1923.

Ser. No. 191,324. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING CANDY CO., Fort Worth, Tex. Filed Jan. 26, 1924.

Chivalry

Particular description of goods.—Candy.
Claims use since November, 1923.

Ser. No. 191,368. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) D. W. M. ARMS & AMMUNITION CORPORATION, New York, N. Y. Filed Jan. 28, 1924.

DWM

Particular description of goods.—Pistols, Rifles, and Ammunition.
Claims use since about Jan. 1, 1910.

Ser. No. 191,373. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Filed Jan. 28, 1924.



Particular description of goods.—Coal.
Claims use since about March, 1921.

Ser. No. 191,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. B. ERMINGER, Chicago, Ill. Filed Jan. 28, 1924.



Particular description of goods.—Chocolate-Covered Raisins and Candy.
Claims use since Nov. 4, 1923.

Ser. No. 191,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES J. MCGRATH, Chicago, Ill. Filed Jan. 28, 1924.

Stolen Kisses

Particular description of goods.—Candies.
Claims use since Nov. 23, 1923.

Ser. No. 191,398. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE OVERSEER COMPANY, New Haven, Conn., and Milwauke, Wis. Filed Jan. 28, 1924.

OVERSEER

Particular description of goods.—Penmanship and Lettering Guides.
Claims use since Feb. 1, 1921.

Ser. No. 191,454. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SUMET CORPORATION, Buffalo, N. Y. Filed Jan. 29, 1924.

SUMET

Particular description of goods.—Bearing Metals and Metal Castings.
Claims use since on or about Oct. 19, 1923.

Ser. No. 191,497. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MICHIGAN INHALATORIUM CO., Detroit, Mich. Filed Jan. 30, 1924.

INHALO

Particular description of goods.—Medicated Dry Gas Inhalers.
Claims use since Dec. 1, 1923.

Ser. No. 191,545. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MYER LEVENTHAL, doing business as Chicago Commercial & Specialty Co., New York, N. Y. Filed Jan. 31, 1924.

AZTEC

Particular description of goods.—Clay Cigar Moistenera.
Claims use since about Mar. 1, 1917.

Ser. No. 191,551. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SOL MUTTERPERL, INC., New York, N. Y. Filed Jan. 31, 1924.

KEWT-KIDDY

Particular description of goods.—Leather Hand Bags.
Claims use since 1919.

Ser. No. 191,561. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

WESTLAND

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEO S. OSMAN, doing business as Old East Indian Co., Baltimore, Md. Filed Jan. 31, 1924.



The portrait is fanciful; no claim made to the words "The Old East Indian" apart from the mark shown, no common-law rights, however, being waived.
Particular description of goods.—Hair Pomade, Hair Shampoo, Pressing Oil, and Hair Tonic.
Claims use since Jan. 26, 1924.

Ser. No. 191,577. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SEWARD TRUNK AND BAG COMPANY, doing business as Autorobe Trunk Co., Petersburg, Va. Filed Jan. 31, 1924.

NOVELROBE

Particular description of goods.—Wardrobe Trunks.
Claims use since Jan. 29, 1924.

Ser. No. 191,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK B. HUASLEY, doing business as The Sanacuba Company, Detroit, Mich. Filed Nov. 19, 1923.

SANACUBA

Particular description of goods.—Kidney and Bladder Preparation Comprising a Compound Adapted for Use in Treatment of Inflammation of the Kidneys and Bladder and Other Various Ailments Thereof.
Claims use since Nov. 1, 1922.

Ser. No. 192,060. (CLASS 39. CLOTHING.) S. I. ENTWISLE, New York, N. Y. Filed Feb. 9, 1924.

ZENIZ CHIFFON VOILE

Particular description of goods.—Hosiery.
Claims use since Sept. 26, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MARCH 11, 1924.

180,844. CERTAIN ARTICLES OF FOOD. The Battle Creek Food Company, Battle Creek, Mich.
Filed January 25, 1923. Serial No. 175,059. PUBLISHED DECEMBER 25, 1923.

180,845. MOPS. M. S. Wright Company, Worcester, Mass.
Filed January 26, 1923. Serial No. 175,175. PUBLISHED DECEMBER 25, 1923.

180,846. MOPS. M. S. Wright Company, Worcester, Mass.
Filed January 26, 1923. Serial No. 175,176. PUBLISHED DECEMBER 25, 1923.

180,847. SODA-FOUNTAIN COOLING AND DISPENSING OUTFITS. Pennsylvania Silverware Company, Kane Borough, Pa.
Filed January 29, 1923. Serial No. 175,267. PUBLISHED DECEMBER 25, 1923.

180,848. WRITING PAPER. The Cincinnati Cordage & Paper Co., Cincinnati, Ohio.
Filed January 13, 1923. Serial No. 174,554. PUBLISHED JULY 10, 1923.

180,849. FRESH AND SMOKED MEATS—NAMELY, STEAKS, CHOPS, CUTLETS, SWEETBREADS, BRAINS, LIVER, HEARTS, AND ROASTS, SAUSAGE, BACON, AND HAMS, LIVE AND DRESSED POULTRY, FRESH CITROUS AND DECIDUOUS FRUITS, AND FRESH VEGETABLES. Chas. Pisner, doing business as Square Deal Market, Washington, D. C.
Filed January 13, 1923. Serial No. 174,591. PUBLISHED SEPTEMBER 11, 1923.

180,850. FRESH CANTALOUPES. A. Arena & Co., Los Angeles, Calif.
Filed January 19, 1923. Serial No. 174,763. PUBLISHED JULY 24, 1923.

180,851. FIELD AND OPERA GLASSES. Sussfeld, Lorsch & Schimmel, New York, N. Y.
Filed October 26, 1923. Serial No. 187,547. PUBLISHED DECEMBER 25, 1923.

180,852. OLIVE OIL. Edson Bros., Philadelphia, Pa.
Filed January 8, 1923. Serial No. 174,296. PUBLISHED JANUARY 1, 1924.

180,853. LIQUID SOAP. United Sanitary Products Company Inc., New York, N. Y.
Filed January 11, 1923. Serial No. 174,497. PUBLISHED DECEMBER 18, 1923.

180,854. BOTTLE CAPPERS AND CORKERS. Lawrence Sales Co., Poughkeepsie, N. Y.
Filed October 25, 1923. Serial No. 187,469. PUBLISHED DECEMBER 25, 1923.

180,855. LOW-FUSING METAL ALLOY. The J. M. Ney Company, Hartford, Conn.
Filed October 25, 1923. Serial No. 187,479. PUBLISHED DECEMBER 25, 1923.

180,856. PIECE GOODS MADE OF WOOL. Roubaix Mills, Inc., Clinton, Mass., and New York, N. Y.
Filed October 26, 1923. Serial No. 187,541. PUBLISHED DECEMBER 25, 1923.

180,857. FIELD AND OPERA GLASSES. Sussfeld, Lorsch & Schimmel, New York, N. Y.
Filed October 26, 1923. Serial No. 187,546. PUBLISHED DECEMBER 25, 1923.

180,858. ENVELOPES. Federal Envelope Mfg. Co., Omaha, Nebr.
Filed October 24, 1923. Serial No. 187,412. PUBLISHED DECEMBER 25, 1923.

180,859. CIGARS. Otto Eisenlohr & Bros. Incorporated, Philadelphia, Pa.
Filed October 12, 1923. Serial No. 186,888. PUBLISHED DECEMBER 25, 1923.

180,860. BLASTING PAPER. The Diem & Wing Paper Co., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,880. PUBLISHED DECEMBER 25, 1923.

180,861. BOND PAPER. The Diem & Wing Paper Co., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,876. PUBLISHED DECEMBER 25, 1923.

180,862. BOND PAPER. The Diem & Wing Paper Co., Cincinnati, Ohio.
Filed October 12, 1923. Serial No. 186,874. PUBLISHED DECEMBER 25, 1923.

180,863. SPEED-CHANGING TRANSMISSION GEARING FOR MOTOR VEHICLES. The Chandler Motor Car Company, Cleveland, Ohio.
Filed October 10, 1923. Serial No. 186,773. PUBLISHED DECEMBER 25, 1923.

180,864. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. Fort Howard Paper Company, Green Bay, Wis.
Filed October 13, 1923. Serial No. 186,953. PUBLISHED DECEMBER 25, 1923.

180,865. VANITY BOXES. Harold B. Canavello, New York, N. Y.
Filed October 13, 1923. Serial No. 186,944. PUBLISHED DECEMBER 25, 1923.

180,866. CIGARS. Herman Siebenmorgen, Olney, Ill.
Filed October 12, 1923. Serial No. 186,934. PUBLISHED DECEMBER 25, 1923.

180,867. GLAZING CEMENT. The McCallum Company, Inc., Pittsburgh, Pa.
Filed October 12, 1923. Serial No. 186,918. PUBLISHED DECEMBER 25, 1923.

180,868. WOOLEN PIECE GOODS. Forstmann & Huffmann Company, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,895. PUBLISHED DECEMBER 25, 1923.

180,869. WOOLEN PIECE GOODS. Forstmann & Huffmann Company, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,892. PUBLISHED DECEMBER 25, 1923.

180,870. YEAST EXTRACT. James J. Rick, doing business as Health Food Distributing Company, New York, N. Y.
Filed October 15, 1923. Serial No. 187,018. PUBLISHED DECEMBER 25, 1923.

180,871. CIGARS. A. E. McCall, doing business as McCall Cigar Company, Kansas City, Mo.
Filed October 15, 1923. Serial No. 187,018. PUBLISHED DECEMBER 25, 1923.

180,872. BEARING METAL. Lumen Bearing Company, Buffalo, N. Y.
Filed October 13, 1923. Serial No. 186,959. PUBLISHED DECEMBER 25, 1923.

180,873. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. Fort Howard Paper Company, Green Bay, Wis.
Filed October 9, 1923. Serial No. 186,745. PUBLISHED DECEMBER 25, 1923.

180,874. SUNDAY SCHOOL PUBLICATIONS—NAMELY, NEWSPAPERS, LESSON LEAVES, LESSON QUARTERLIES, AND PICTURE CARDS. W. B. Rose, Chicago, Ill.
Filed October 8, 1923. Serial No. 186,722. PUBLISHED DECEMBER 18, 1923.

180,875. STAINED WOODEN SHINGLES. Hanawalt Spaulding Company, Los Angeles, Calif.
Filed October 16, 1923. Serial No. 187,051. PUBLISHED DECEMBER 25, 1923.

180,876. MOTION-PICTURE PROJECTORS. The Hall Projector Company, Inc., East Boston, Mass.
Filed October 16, 1923. Serial No. 187,050. PUBLISHED DECEMBER 25, 1923.

180,877. VEGETABLE OILS FOR FOOD PURPOSES. Vegetable Oil Products Company, Philadelphia, Pa.
Filed October 9, 1923. Serial No. 186,765. PUBLISHED JANUARY 1, 1924.

180,878. GAME. Piroxloid Products Corporation, New York, N. Y.
Filed October 9, 1923. Serial No. 186,757. PUBLISHED DECEMBER 25, 1923.

180,879. SILK AND COTTON MIXTURE GOODS AND COTTON PIECE GOODS. Voss & Stern, New York, N. Y.
Filed March 23, 1923. Serial No. 177,938. PUBLISHED DECEMBER 18, 1923.

180,880. CANDIES. Ridley's, The Old Chambers Street Candy Manufactory, Long Island City, N. Y.
Filed April 12, 1923. Serial No. 179,055. PUBLISHED JANUARY 1, 1924.

180,881. HANDKERCHIEFS. S. Gorelick & Sons, New York, N. Y.
Filed April 14, 1923. Serial No. 179,146. PUBLISHED DECEMBER 25, 1923.

180,882. SOAPS AND WASHING COMPOUNDS, METAL AND SHOE POLISH. Larkin Co., Inc., Buffalo, N. Y.
Filed April 14, 1923. Serial No. 179,155. PUBLISHED DECEMBER 18, 1923.

180,883. SMOKED HAM, BAKED MEAT LOAF, BACON, ROAST HAM, AND BOILED HAM. Chris. Gronigen Co. Inc., Brooklyn, N. Y.
Filed March 12, 1923. Serial No. 177,296. PUBLISHED JANUARY 1, 1924.

180,884. HARD-WHEAT FLOUR. Kell Milling Company, Vernon, Tex.
Filed March 13, 1923. Serial No. 177,385. PUBLISHED DECEMBER 18, 1923.

180,885. SILK PIECE GOODS. Voss & Stern, New York, N. Y.
Filed March 23, 1923. Serial No. 177,933. PUBLISHED DECEMBER 18, 1923.

180,886. MILK AND MILK PRODUCTS—NAMELY, CREAM, CHEESE, AND CASEIN. Bernese Alps Milk Co., Stalden, Switzerland.
Filed February 24, 1923. Serial No. 176,533. PUBLISHED DECEMBER 25, 1923.

180,887. CANDIES. The Nunnally Company, Atlanta, Ga.
Filed March 7, 1923. Serial No. 177,103. PUBLISHED OCTOBER 16, 1923.

180,888. HOUSE ORGAN ISSUED AT INDEFINITE PERIODS. Compo Bond Corporation, New York, N. Y.
Filed March 9, 1923. Serial No. 177,166. PUBLISHED DECEMBER 18, 1923.

180,889. BABY CHICKS AND EGGS. Star Chick Hatchery, Washington Township, Osage County, and Westphalia, Mo., assignor to Star Chick Hatchery, Westphalia, Mo., a Corporation of Missouri.
Filed February 23, 1923. Serial No. 176,508. PUBLISHED DECEMBER 11, 1923.

180,890. CANNED SALMON. Walter Darrell Frith, Vancouver, British Columbia, Canada.
Filed September 8, 1923. Serial No. 185,516. PUBLISHED DECEMBER 18, 1923.

180,891. BREAD. Ward Baking Company, New York, N. Y.
Filed September 12, 1923. Serial No. 185,735. PUBLISHED DECEMBER 25, 1923.

180,892. CIGARS, CIGARETTES, CHEROOTS, AND SMOKING TOBACCO. B. J. Seidenberg Company, Buffalo, N. Y.
Filed September 14, 1923. Serial No. 185,796. PUBLISHED DECEMBER 25, 1923.

180,893. COFFEE. B. Fischer & Co. Inc., New York, N. Y.
Filed September 15, 1923. Serial No. 185,821. PUBLISHED DECEMBER 25, 1923.

180,894. OUTER CLOTHING EMBRACING SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS. L. Greif & Bro. Incorporated, Baltimore, Md.
Filed September 15, 1923. Serial No. 185,824. PUBLISHED JANUARY 1, 1924.

180,895. BAGS, VALISES, PORTFOLIOS, POCKETBOOKS, SUITCASES, AND SCHOOL BAGS MADE PARTIALLY OR WHOLLY OF LEATHER, LEATHER SUBSTITUTES, OR TEXTILE FABRICS. Felix Herts, doing business as American Buckle Co., New York, N. Y.
Filed September 17, 1923. Serial No. 185,854. PUBLISHED DECEMBER 25, 1923.

180,896. CERTAIN TEXTILE FABRICS. Rasch & Gainor, Baltimore, Md.
Filed September 17, 1923. Serial No. 185,888. PUBLISHED DECEMBER 25, 1923.

180,897. PASSENGER-CARRYING AUTOMOBILES. The Willys-Overland Company, Toledo, Ohio.
Filed September 19, 1923. Serial No. 185,946. PUBLISHED DECEMBER 25, 1923.

180,898. TURBINES, PUMPS, HYDRAULIC TURBINES, TURBINE GOVERNORS, AND PARTS OF HYDRAULIC TURBINES, PUMPS, AND TURBINE GOVERNORS. The William Cramp & Sons Ship & Engine Building Co., Philadelphia, Pa.
Filed September 20, 1923. Serial No. 185,960. PUBLISHED DECEMBER 25, 1923.

180,899. COMPOUND FOR MAKING PUDDINGS AND PIES. Fruit Valley Corporation, Rochester, N. Y.
Filed September 12, 1923. Serial No. 185,696. PUBLISHED JANUARY 1, 1924.

180,900. CANDY. The Euclid Candy Co., Cleveland, Ohio.
Filed September 8, 1923. Serial No. 185,513. PUBLISHED DECEMBER 25, 1923.

180,901. BUTTER. H. C. Christians Co., Chicago, Ill.
Filed September 10, 1923. Serial No. 185,566. PUBLISHED DECEMBER 25, 1923.

180,902. HYDRATED LIME. Marblehead Lime Company, Chicago, Ill.
Filed September 10, 1923. Serial No. 185,604. PUBLISHED DECEMBER 25, 1923.

180,903. CANNED FRUITS, CANNED BERRIES. Northwest Fruit Products Company, Salem, Oreg.
Filed September 10, 1923. Serial No. 185,609. PUBLISHED DECEMBER 25, 1923.

180,904. CONDENSED AND EVAPORATED MILK. Libby, McNeill & Libby, Chicago, Ill.
Filed September 6, 1923. Serial No. 185,370. PUBLISHED JANUARY 1, 1923.

180,905. WHEAT FLOUR. THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y.
Filed September 4, 1923. Serial No. 185,384. PUBLISHED DECEMBER 25, 1923.

180,906. WHEAT FLOUR. SPARKS MILLING COMPANY, Terre Haute, Ind.
Filed September 6, 1923. Serial No. 185,385. PUBLISHED DECEMBER 25, 1923.

180,907. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 6, 1923. Serial No. 185,393. PUBLISHED DECEMBER 25, 1923.

180,908. MEN'S OUTER, DRESS, AND NEGLIGEE SHIRTS. REID AND FORT, INC., Philadelphia, Pa.
Filed September 7, 1923. Serial No. 185,496. PUBLISHED JANUARY 1, 1924.

180,909. FLOUR, BREAD, BISCUITS, AND CAKE. R. WINTER LIMITED, Birmingham, England.
Filed September 4, 1923. Serial No. 185,325. PUBLISHED DECEMBER 25, 1923.

180,910. WHEAT FLOUR AND CORN MEAL. CURTIS L. GREEN, doing business as C. L. Green Milling and Grain Co.; Winters, Tex.
Filed September 5, 1923. Serial No. 185,336. PUBLISHED DECEMBER 25, 1923.

180,911. STOCK FEED. ARKADELPHIA MILLING COMPANY, Arkadelphia, Ark.
Filed September 6, 1923. Serial No. 185,355. PUBLISHED DECEMBER 25, 1923.

180,912. TITLE FOR HEADING OF NEWSPAPER COLUMN OR ARTICLE PUBLISHED FROM TIME TO TIME. HOWARD MARKEL, New York, N. Y.
Filed August 31, 1923. Serial No. 185,223. PUBLISHED DECEMBER 25, 1923.

180,913. CERTAIN FOOD PRODUCTS. MALLOTT, JOHNSON CO., Chicago, Ill.
Filed August 27, 1923. Serial No. 185,026. PUBLISHED DECEMBER 25, 1923.

180,914. CERTAIN FOOD PRODUCTS. MALLOTT, JOHNSON CO., Chicago, Ill.
Filed August 27, 1923. Serial No. 185,025. PUBLISHED DECEMBER 25, 1923.

180,915. HANDKERCHIEFS. JACK KLEIN, doing business as J. Klein Co., New York, N. Y.
Filed October 12, 1923. Serial No. 186,915. PUBLISHED DECEMBER 25, 1923.

180,916. HANDKERCHIEFS. JACK KLEIN, doing business as J. Klein Co., New York, N. Y.
Filed October 12, 1923. Serial No. 186,916. PUBLISHED DECEMBER 25, 1923.

180,917. A LIQUID POLISHING PREPARATION. EDWARD W. SOFTLEY, Butte, Mont.
Filed October 13, 1923. Serial No. 186,969. PUBLISHED DECEMBER 25, 1923.

180,918. ELECTRONIC THERAPEUTIC APPARATUS FOR THE TREATMENT OF VARIOUS DISEASES. SPECTRO-ELECTRONIC FOUNDATION, New York, N. Y.
Filed October 16, 1923. Serial No. 187,069. PUBLISHED DECEMBER 25, 1923.

180,919. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed October 17, 1923. Serial No. 187,084. PUBLISHED DECEMBER 25, 1923.

180,920. HAIR NETS. PAUL L. GRAF, New York, N. Y.
Filed October 18, 1923. Serial No. 187,159. PUBLISHED DECEMBER 25, 1923.

180,921. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed October 19, 1923. Serial No. 187,208. PUBLISHED DECEMBER 25, 1923.

180,922. CERTAIN PIECE GOODS. B. PRIESTLEY & CO., INC., New York, N. Y.
Filed October 11, 1923. Serial No. 186,853. PUBLISHED DECEMBER 18, 1923.

180,923. CERTAIN PIECE GOODS. B. PRIESTLEY & CO., INC., New York, N. Y.
Filed October 11, 1923. Serial No. 186,854. PUBLISHED DECEMBER 18, 1923.

180,924. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,897. PUBLISHED DECEMBER 25, 1923.

180,925. COMPOSITION FOR TREATING METALLIC SURFACES TO PREVENT RUST. THE AMERICAN RUST PROOF CO. INC., New York, N. Y.
Filed September 27, 1923. Serial No. 186,263. PUBLISHED DECEMBER 25, 1923.

180,926. CHEESE. THE FRINK CREAMERY COMPANY, Larkspur, Colo.
Filed September 29, 1923. Serial No. 186,361. PUBLISHED DECEMBER 25, 1923.

180,927. CAKE. R. B. WARD & CO., INC., Los Angeles, Calif.
Filed September 29, 1923. Serial No. 186,400. PUBLISHED DECEMBER 25, 1923.

180,928. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed October 10, 1923. Serial No. 186,771. PUBLISHED DECEMBER 18, 1923.

180,929. BREAD. PETERSEN & PEGAU BAKING CO., Omaha, Nebr.
Filed September 20, 1923. Serial No. 185,985. PUBLISHED DECEMBER 25, 1923.

180,930. COOKIES. J. S. IVINS' SON, INC., Philadelphia, Pa.
Filed September 24, 1923. Serial No. 186,132. PUBLISHED DECEMBER 25, 1923.

180,931. PLAIN FLOUR. THE H. D. LEE FLOUR MILLS COMPANY, Salina, Kans.
Filed September 24, 1923. Serial No. 186,140. PUBLISHED DECEMBER 25, 1923.

180,932. TAXIMETERS. JEAN ALBERT FRANÇOIS BRUN, Paris, France.
Filed September 25, 1923. Serial No. 186,176. PUBLISHED DECEMBER 18, 1923.

180,933. BREAD AND CAKE. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1923. Serial No. 185,736. PUBLISHED DECEMBER 25, 1923.

180,934. BANANA FLOUR. DANNEL MARONIK, Detroit, Mich.
Filed September 20, 1923. Serial No. 185,979. PUBLISHED DECEMBER 25, 1923.

180,935. BOOK LACQUER, VARNISHES, LACQUERS, AND AUTOMOBILE TOP DRESSINGS IN THE NATURE OF PAINTS. THE HOLLISTON MILLS, INC., Norwood, Mass.
Filed August 28, 1923. Serial No. 185,081. PUBLISHED DECEMBER 25, 1923.

180,936. TONIC MEDICINE FOR THE STOMACH, BOWELS, BLOOD, NERVES, KIDNEYS, AND HEART. APOLLO DRUG COMPANY, Gary, Ind.
Filed September 1, 1923. Serial No. 185,240. PUBLISHED DECEMBER 18, 1923.

180,937. CANDY AND CAKES. MITCHELL B. STOCK, doing business as Mitchell B. Stock Company, New Haven, Conn.
Filed August 31, 1923. Serial No. 185,233. PUBLISHED DECEMBER 25, 1923.

180,938. TRANSPARENT AND TRANSLUCENT SHEETS HAVING A GELATIN BASE OR A CASEIN BASE. THE TRANSLOID PRODUCTS CO., Danbury, Conn.
Filed September 1, 1923. Serial No. 185,268. PUBLISHED DECEMBER 25, 1923.

180,939. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. WILLSON GOGGLES, INC., Reading, Pa.
Filed September 1, 1923. Serial No. 185,276. PUBLISHED DECEMBER 25, 1923.

180,940. PASS BOOKS AND BLANK FORM CARDS. WELLER AND ADAMS, Ithaca, N. Y.
Filed August 25, 1923. Serial No. 184,999. PUBLISHED DECEMBER 25, 1923.

180,941. CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. SPRINGBROOK CANNING COMPANY, Springbrook, Oreg.
Filed August 27, 1923. Serial No. 185,056. PUBLISHED JANUARY 1, 1924.

180,942. PICTURE-VIEWING MACHINE. ADVANCE MACHINE COMPANY, Chicago, Ill.
Filed August 29, 1923. Serial No. 185,101. PUBLISHED DECEMBER 25, 1923.

180,943. SILK PIECE GOODS. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed August 30, 1923. Serial No. 185,176. PUBLISHED DECEMBER 18, 1923.

180,944. TEA, COFFEE, SPICES, FLAVORING EXTRACTS FOR FOOD. UNITY MANUFACTURING CO., Los Angeles, Calif.
Filed August 22, 1923. Serial No. 184,879. PUBLISHED JANUARY 1, 1924.

180,945. VEHICLE BRAKES. HYDRAULIC BRAKE COMPANY, Los Angeles, Calif., and Detroit, Mich.
Filed August 24, 1923. Serial No. 184,941. PUBLISHED DECEMBER 25, 1923.

180,946. PLASTIC CEMENTS. ADAMS & JEWELL, Rome, N. Y.
Filed August 25, 1923. Serial No. 184,951. PUBLISHED DECEMBER 25, 1923.

180,947. SOFT DRINK. LA FRANCE PRODUCTS CORPORATION, New York, N. Y.
Filed August 25, 1923. Serial No. 184,973. PUBLISHED DECEMBER 25, 1923.

180,948. BALLS. WILLIAM SYKES, LIMITED, Horbury, London, England.
Filed August 21, 1923. Serial No. 184,805. PUBLISHED DECEMBER 25, 1923.

180,949. INTERNAL-COMBUSTION MOTORS AND PARTS THEREOF. DISAPPEARING PROPELLER BOAT CO. LIMITED, Toronto, Ontario, Canada.
Filed August 22, 1923. Serial No. 184,815. PUBLISHED DECEMBER 18, 1923.

180,950. TEA, COFFEE, SPICES, AND FLAVORING EXTRACTS FOR FOODS. UNITY MANUFACTURING CO., Los Angeles, Calif.
Filed August 22, 1923. Serial No. 184,878. PUBLISHED JANUARY 1, 1924.

180,951. WHEAT FLOUR. THE ANSTED & BURK COMPANY, Springfield, Ohio.
Filed August 20, 1923. Serial No. 184,704. PUBLISHED DECEMBER 25, 1923.

180,952. FRESH AND DRIED DATES. GARDNER H. NARBONNE, doing business as Narbonne Ranch, Thermal, Calif.
Filed August 20, 1923. Serial No. 184,744. PUBLISHED JANUARY 1, 1924.

180,953. COTTON GOODS IN THE PIECE. DENZER & NATHAN, INC., New York, N. Y.
Filed August 21, 1923. Serial No. 184,784. PUBLISHED DECEMBER 25, 1923.

180,954. SWEET POTATOES IN THEIR NATURAL STATE. TEXAS DISTRIBUTING COMPANY, Dallas, Tex.
Filed August 17, 1923. Serial No. 184,627. PUBLISHED DECEMBER 25, 1923.

180,955. MEDICINE FOR ECZEMA, PYORRHEA, AND MANGE. EDYTHE ELDER VAUGHAN, Bartow, Fla.
Filed August 7, 1923. Serial No. 184,196. PUBLISHED DECEMBER 18, 1923.

180,956. CANNED FRUITS. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed August 20, 1923. Serial No. 184,926. PUBLISHED DECEMBER 25, 1923.

180,957. LIQUID MASSAGE FOR THE FACE AND BODY. LOUIS PHILIPPE, New York, N. Y.
Filed August 9, 1923. Serial No. 184,260. PUBLISHED DECEMBER 18, 1923.

180,958. PREPARATION FOR THE TREATMENT OF CHOLERA, COLDS, COUGHS, WORMS, AND GENERAL DEBILITY OF HOGS AND PIGS. CHARLES H. FORD, Taft, Okla.
Filed August 6, 1923. Serial No. 184,128. PUBLISHED DECEMBER 18, 1923.

180,959. OINTMENT. THE JOHNSON PHARMACEUTICAL COMPANY, Woburn, Mass.
Filed August 7, 1923. Serial No. 184,167. PUBLISHED DECEMBER 18, 1923.

180,960. TREATMENT IN LIQUID AND TABLET FORM FOR RHEUMATISM, KIDNEY, LIVER, AND BLADDER COMPLAINTS. MASTIN & COMPANY, INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,174. PUBLISHED DECEMBER 18, 1923.

180,961. BUTTER AND CHEESE COLORING. H. D. THATCHER & COMPANY, INC., Potsdam, N. Y.
Filed August 7, 1923. Serial No. 184,192. PUBLISHED DECEMBER 18, 1923.

180,962. A CERTAIN NAMED MEDICINAL PREPARATION. MASTIN & COMPANY, INC., New York, N. Y.
Filed August 7, 1923. Serial No. 184,173. PUBLISHED DECEMBER 18, 1923.

180,963. BEARING METALS. A. W. CADMAN MANUFACTURING CO., Pittsburgh, Pa.
Filed July 18, 1923. Serial No. 183,360. PUBLISHED DECEMBER 18, 1923.

180,964. STEAM-PRESSURE COOKERS. ECONOMY COOKER COMPANY, East Providence, R. I.
Filed July 23, 1923. Serial No. 183,562. PUBLISHED DECEMBER 18, 1923.

180,965. VARNISHES, STAINS, READY-MIXED PAINTS, AND FLAT WHITES AND PAINT ENAMELS. RICHARD H. MORAN, doing business as Acme Varnish Works, Brooklyn, N. Y.
Filed July 30, 1923. Serial No. 183,846. PUBLISHED DECEMBER 25, 1923.

180,966. HAIR GROWER. HILL & JACKSON, Waskom, Tex.
Filed August 4, 1923. Serial No. 184,074. PUBLISHED DECEMBER 18, 1923.

180,967. A CERTAIN NAMED MEDICINAL PREPARATION. THE L. D. CAULK COMPANY, Milford, Del.
Filed August 6, 1923. Serial No. 184,118. PUBLISHED DECEMBER 18, 1923.

180,968. LAXATIVE TEA. FRANK DEDEK, Chicago, Ill.
Filed August 6, 1923. Serial No. 184,124. PUBLISHED DECEMBER 18, 1923.

180,969. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 27, 1923. Serial No. 187,573. PUBLISHED DECEMBER 25, 1923.

180,970. SPORT HAIR NETS. THOMAS B. M. GATES, New York, N. Y.
Filed October 20, 1923. Serial No. 187,252. PUBLISHED DECEMBER 25, 1923.

180,971. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO. INC., Philadelphia, Pa.
Filed October 20, 1923. Serial No. 187,243. PUBLISHED DECEMBER 25, 1923.

180,972. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO. INC., Philadelphia, Pa.
Filed October 20, 1923. Serial No. 187,242. PUBLISHED DECEMBER 25, 1923.

180,973. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed October 19, 1923. Serial No. 187,209. PUBLISHED DECEMBER 25, 1923.

180,974. PRESSURE-REDUCING VALVES AND PUMP GOVERNORS. LOCKE REGULATOR CO., Salem, Mass.
Filed March 21, 1923. Serial No. 177,789. PUBLISHED DECEMBER 18, 1923.

180,975. PIECE GOODS MADE OF CAMEL'S HAIR. DEL MONTE-HICKEY, New York, N. Y.
Filed January 5, 1923. Serial No. 174,203. PUBLISHED DECEMBER 25, 1923.

180,976. CORNER FITTINGS FOR BEDSTEADS, COTS, SHIPS' BERTHS, AND THE LIKE. THE ATLAS BEDSTEAD COMPANY (STEPHEN WILKES & SONS) LIMITED, Bilston, England.
Filed November 15, 1922. Serial No. 172,026. PUBLISHED DECEMBER 18, 1923.

180,977. CERTAIN NAMED TEXTILES. THE FARISH COMPANY, Greenwich, Conn., and New York, N. Y.
Filed September 7, 1922. Serial No. 169,164. PUBLISHED DECEMBER 25, 1923.

180,978. READY-MIXED PAINTS. RIVERSIDE PAINT & VARNISH COMPANY, Boston, Mass.
Filed May 20, 1922. Serial No. 164,195. PUBLISHED FEBRUARY 27, 1923.

180,979. HAMMERED AND ROLLED STEEL. SOCIÉTÉ ANONYME D'OUGRÉE MARIHAYE, Ougree, near Liege, Belgium.
Filed July 27, 1922. Serial No. 167,501. PUBLISHED DECEMBER 18, 1923.

180,980. STEEL RAILS. SOCIÉTÉ ANONYME D'OUGRÉE MARIHAYE, Ougree, near Liege, Belgium.
Filed July 27, 1922. Serial No. 167,502. PUBLISHED DECEMBER 18, 1923.

180,981. COLD CHISELS, PIPE WRENCHES, AND SCREW DRIVERS. THE TOBRIN TOOL COMPANY, Plantsville, Conn.
Filed November 2, 1923. Serial No. 187,885. PUBLISHED DECEMBER 18, 1923.

180,982. TELEPHONIC APPARATUS FOR AIDING THE HEARING FOR USE IN TELEPHONE CIRCUITS AND PARTS THEREOF. GLOBE PHONE MANUFACTURING COMPANY, Reading, Mass.
Filed June 28, 1921. Serial No. 149,747. PUBLISHED DECEMBER 25, 1923.

180,983. RAILWAY EQUIPMENT. THE Q & C COMPANY, New York, N. Y.
Filed August 20, 1921. Serial No. 151,996. PUBLISHED DECEMBER 18, 1923.

180,984. DENTAL CUTTING TOOLS FOR CUTTING BONE AND TISSUE. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 24, 1922. Serial No. 162,865. PUBLISHED DECEMBER 25, 1923.

180,985. SMOKED MEATS, BOILED HAM, AND LARD. C. SWANSTON & SON, Sacramento, Calif.
Filed October 23, 1923. Serial No. 187,394. PUBLISHED DECEMBER 25, 1923.

180,986. CANNED VEGETABLES. ROCHELLE CANNERIES, INC., Rochelle, Ill.
Filed October 22, 1923. Serial No. 187,347. PUBLISHED DECEMBER 25, 1923.

180,987. FRESH APPLES. GROSSMAN BROS. & REA, INC., Seattle, Wash.
Filed October 22, 1923. Serial No. 187,310. PUBLISHED DECEMBER 25, 1923.

180,988. MOTOR OIL. MOTOL LUBRICANTS CORPORATION, New York, N. Y.
Filed October 22, 1923. Serial No. 187,336. PUBLISHED DECEMBER 25, 1923.

180,989. MOTOR OIL. MOTOL LUBRICANTS CORPORATION, New York, N. Y.
Filed October 22, 1923. Serial No. 187,337. PUBLISHED DECEMBER 25, 1923.

180,990. CANNED FRUITS AND CANNED BERRIES. OREGON CANNING COMPANY, Portland, Oreg.
Filed October 22, 1923. Serial No. 187,340. PUBLISHED DECEMBER 25, 1923.

180,991. FRESH BOXED ARTICHOKES. SANTA CRUZ COAST VEGETABLE CO., Santa Cruz, Calif.
Filed October 18, 1923. Serial No. 187,175. PUBLISHED DECEMBER 25, 1923.

180,992. SANDPAPERS AND SAND CLOTHS. AMERICAN GLUE COMPANY, Boston, Mass.
Filed October 20, 1923. Serial No. 187,239. PUBLISHED DECEMBER 25, 1923.

180,993. CANDY. THE GEORGE H. SHINN CO., INC., Philadelphia, Pa.
Filed October 20, 1923. Serial No. 187,268. PUBLISHED DECEMBER 25, 1923.

180,994. TWINE. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,291. PUBLISHED DECEMBER 25, 1923.

180,995. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, AND CANNED FISH. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 16, 1923. Serial No. 187,058. PUBLISHED DECEMBER 25, 1923.

180,996. HOSIERY. THE BEDELL COMPANY, New York, N. Y.
Filed October 17, 1923. Serial No. 187,081. PUBLISHED JANUARY 1, 1924.

180,997. PHOTOGRAPHIC SHUTTERS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed October 17, 1923. Serial No. 187,097. PUBLISHED DECEMBER 25, 1923.

180,998. HOSIERY FOR MEN, WOMEN, AND CHILDREN. THE REINS & MEISS COMPANY, Cincinnati, Ohio.
Filed October 17, 1923. Serial No. 187,128. PUBLISHED JANUARY 1, 1924.

180,999. CERTAIN NAMED GOODS MADE OF LEATHER. GOLDENBERG'S, Washington, D. C.
Filed October 12, 1922. Serial No. 170,638. PUBLISHED DECEMBER 25, 1923.

181,000. FRESH CITROUS FRUITS. DILLARD & KEENE CO., Eustis, Fla.
Filed November 29, 1922. Serial No. 172,668. PUBLISHED MAY 15, 1923.

181,001. POWDERED SKIMMED MILK. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed December 1, 1922. Serial No. 172,802. PUBLISHED JANUARY 1, 1924.

181,002. DOLLS AND GAMES. THE WAZU NOVELTY COMPANY, New York, N. Y.
Filed December 4, 1922. Serial No. 172,921. PUBLISHED DECEMBER 25, 1923.

181,003. CANDIES, CANDY BARS, MISCELLANEOUS SALTED NUTS, AND NUT BARS. YAKIMA CANDY CO., Yakima, Wash.
Filed January 5, 1923. Serial No. 174,226. PUBLISHED JANUARY 1, 1924.

181,004. SOFT DRINKS AND SIRUPS. VESS JONES, doing business as The Whiz Co., New York, N. Y.
Filed September 2, 1922. Serial No. 169,017. PUBLISHED DECEMBER 25, 1923.

181,005. ELASTIC WEBBING, COTTON TRIMMING, AND TOILET PINS AND HAIRPINS NOT MADE OF PRECIOUS METALS. A. J. HAGUE & CO. INC., New York, N. Y.
Filed September 14, 1922. Serial No. 169,442. PUBLISHED JANUARY 1, 1924.

181,006. CANNED PEAS. GRISTEDE BROS. INC., New York, N. Y.
Filed October 4, 1922. Serial No. 170,286. PUBLISHED JANUARY 1, 1924.

181,007. CHILD'S TOY WAGON. PUFFER-HUBBARD MANUFACTURING COMPANY, Minneapolis, Minn.
Filed October 6, 1922. Serial No. 170,402. PUBLISHED DECEMBER 25, 1923.

181,008. LAUNDRY POWDER. SAMUEL E. BARGREEN, doing business as Imperial Tea Co., Everett, Wash.
Filed August 21, 1922. Serial No. 168,507. PUBLISHED DECEMBER 25, 1923.

181,009. AUTOMOTIVE MECHANICS' TOOLS. LOUIS SCHWAB, doing business as Stevens & Co., New York, N. Y.
Filed August 30, 1922. Serial No. 168,905. PUBLISHED DECEMBER 25, 1923.

181,010. FRESH CITROUS FRUITS. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed August 10, 1922. Serial No. 168,060. PUBLISHED MAY 15, 1923.

181,011. COAL, WOOD, AND GAS FURNACES, STOVES, RANGES, AND HEATERS. COLE MANUFACTURING COMPANY, Chicago, Ill.
Filed August 15, 1922. Serial No. 168,254. PUBLISHED DECEMBER 25, 1923.

181,012. MECHANICAL INSECT EXTERMINATORS. JOHN G. COUSAR AND JOHN G. BARRON, Fort Lawn, S. C.
Filed August 1, 1922. Serial No. 167,672. PUBLISHED DECEMBER 18, 1923.

181,013. SWINGING COUCHES OR DAVENPORTS. ENTERPRISE BED COMPANY, Hammond, Ind.
Filed August 3, 1922. Serial No. 167,770. PUBLISHED DECEMBER 18, 1923.

181,014. DOOR HANGERS AND DOOR SLIDES. RELIANCE BALL BEARING DOOR HANGER COMPANY, Brooklyn, N. Y.
Filed August 3, 1922. Serial No. 167,786. PUBLISHED DECEMBER 26, 1922.

181,015. CONCRETE TILES AND MOLDS. ALFRED JOHN ROWLEY, Toronto, Ontario, Canada.
Filed August 7, 1922. Serial No. 167,925. PUBLISHED DECEMBER 18, 1923.

181,016. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed July 31, 1922. Serial No. 167,601. PUBLISHED DECEMBER 25, 1923.

181,017. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed July 31, 1922. Serial No. 167,602. PUBLISHED DECEMBER 25, 1923.

181,018. DAIRY, CREAMERY, MILK-PLANT, CHEESE-FACTORY, AND ICE-CREAM-FACTORY MACHINERY AND APPLIANCES. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed July 31, 1922. Serial No. 167,603. PUBLISHED DECEMBER 25, 1923.

181,019. CANNED VEGETABLES—VIZ, TOMATOES, PEAS, SWEET CORN; AND CANNED FRUITS—VIZ, PEARS, PEACHES, CHERRIES, AND APRICOTS. THE PEDERSON MERCANTILE COMPANY, Moorhead, Minn.
Filed June 3, 1922. Serial No. 164,943. PUBLISHED JANUARY 1, 1924.

181,020. RUBBER COMBS. THE VULCANIZED RUBBER COMPANY, Portland, Me., and New York, N. Y.
Filed June 16, 1922. Serial No. 165,613. PUBLISHED NOVEMBER 7, 1922.

181,021. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. MAX ELB GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed June 28, 1922. Serial No. 166,176. PUBLISHED JULY 3, 1923.

181,022. DESIGNS AND PHOTOGRAPHS ON GLASS AND METAL AS WALL ORNAMENTS AND DECORATIVE ORNAMENTS SUPPORTED BY EASELS. THE PHOTOPLATING COMPANY, Minneapolis, Minn.
Filed July 6, 1922. Serial No. 166,535. PUBLISHED DECEMBER 25, 1923.

181,023. FIRE EXTINGUISHERS AND REFILL UNITS FOR SAID EXTINGUISHERS. THE OHIO INSTRUMENT MFG. CO., Cleveland, Ohio.
Filed April 12, 1922. Serial No. 162,194. PUBLISHED DECEMBER 25, 1923.

181,024. METALLIC FIRE-RESISTING SHUTTERS, CURTAINS, AND DOORS. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio.
Filed May 8, 1922. Serial No. 163,525. PUBLISHED DECEMBER 25, 1923.

181,025. MACARONI. CELLAS', INC., New York, N. Y.
Filed May 11, 1922. Serial No. 163,670. PUBLISHED JANUARY 9, 1923.

181,026. PACKING AND PACKING MATERIAL. THE GARLOCK PACKING COMPANY, Palmyra, N. Y.
Filed March 1, 1922. Serial No. 160,008. PUBLISHED DECEMBER 25, 1923.

181,027. READY-MIXED PAINTS, VARNISHES, AND ENAMEL PAINTS. TOCH BROTHERS, New York, N. Y.
Filed March 31, 1922. Serial No. 161,594. PUBLISHED DECEMBER 25, 1923.

181,028. MEN'S, WOMEN'S, AND CHILDREN'S SILK HOSE. JOHN M. BUNTING, Indianapolis, Ind.
Filed April 10, 1922. Serial No. 161,961. PUBLISHED OCTOBER 3, 1922.

181,029. SOAPS. FREDERICK H. YOUNG, doing business as Frederick H. Young & Co., Toledo, Ohio.
Filed April 10, 1922. Serial No. 162,090. PUBLISHED AUGUST 15, 1922.

181,030. CERTAIN NAMED TOOLS. ROMER AXE AND TOOL COMPANY, Dunkirk, N. Y.
Filed November 5, 1921. Serial No. 155,070. PUBLISHED APRIL 17, 1923.

181,031. YARN. WYMAN, PARTRIDGE & CO., Minneapolis, Minn.
Filed December 2, 1921. Serial No. 156,207. PUBLISHED APRIL 3, 1923.

181,032. FIRE EXTINGUISHERS. NEWBEGIN FIRE APPLIANCE COMPANY, Los Angeles, Calif.
Filed December 22, 1921. Serial No. 157,042. PUBLISHED DECEMBER 25, 1923.

181,033. TOY FURNITURE. T. S. DOWST, doing business as Dowst Bros. Co., Chicago, Ill.
Filed February 7, 1922. Serial No. 158,974. PUBLISHED DECEMBER 25, 1923.

181,034. PISTON RINGS. RICHMOND PISTON RING CO., Richmond, Ind.
Filed June 23, 1920. Serial No. 134,088. PUBLISHED JULY 24, 1923.

181,035. COVERS OR BINDERS. THE MASTER REPORTING CO. INC., Indianapolis, Ind.
Filed December 30, 1920. Serial No. 141,682. PUBLISHED DECEMBER 25, 1923.

181,036. YEAST WHICH IS USED IN THE MAKING OF BREAD AND BREADSTUFFS. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed April 30, 1921. Serial No. 147,020. PUBLISHED DECEMBER 18, 1923.

181,037. BICYCLES. GREAT WESTERN MANUFACTURING CO., Laporte, Ind.
Filed February 1, 1919. Serial No. 115,583. PUBLISHED DECEMBER 25, 1923.

181,038. HOUSE PAINTS, BARN PAINTS, BRIDGE PAINTS, VARNISHES, ETC. OMAHA PAINT AND GLASS COMPANY, Omaha, Nebr.
Filed April 21, 1919. Serial No. 118,608. PUBLISHED DECEMBER 25, 1923.

181,039. COFFEE, OLIVE OIL, AND SUGAR. THE AKRON GROCERY CO., Akron, Ohio.
Filed May 7, 1923. Serial No. 180,260. PUBLISHED NOVEMBER 13, 1923.

181,040. DENTAL, OPTICAL, AND SURGICAL MIRRORS, HEAD MIRRORS, LARYNGEAL MIRRORS, AND RETINOSCOPES. ALEXANDER A. ANZELL, doing business as Specialty Manufacturing Company, Brooklyn, N. Y.
Filed October 30, 1923. Serial No. 187,656. PUBLISHED DECEMBER 25, 1923.

181,041. ADDING MACHINES. PRECISION ADDING MACHINE COMPANY, Charlotte, N. C.
Filed August 25, 1923. Serial No. 184,984. PUBLISHED DECEMBER 25, 1923.

181,042. WRENCHES. HENRY & ALLEN, Auburn, N. Y.
Filed October 2, 1923. Serial No. 186,474. PUBLISHED DECEMBER 25, 1923.

181,043. CANDY. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio.
Filed October 2, 1923. Serial No. 186,464. PUBLISHED DECEMBER 25, 1923.

181,044. AIR COMPRESSORS. FRANKLIN AIR COMPRESSOR WORKS, Norristown and Trooper, Pa.
Filed October 2, 1923. Serial No. 186,470. PUBLISHED DECEMBER 25, 1923.

181,045. BEARING METAL. ARISTON METAL COMPANY, INC., New York, N. Y.
Filed October 5, 1923. Serial No. 186,578. PUBLISHED DECEMBER 25, 1923.

181,046. SNAP FASTENERS FOR GLOVES, CAPS, TRUNKS, SUSPENDERS, POCKETBOOKS, BAGS, GARMENTS, AND AUTOMOBILE ACCESSORIES. RAU FASTENER COMPANY, New York, N. Y.
Filed October 4, 1923. Serial No. 186,568. PUBLISHED DECEMBER 25, 1923.

181,047. WATER CIRCULATOR FOR COOLING SYSTEMS FOR GASOLINE ENGINES FOR AUTOS. GREAT STATES CORPORATION, Richmond, Ind.
Filed October 3, 1923. Serial No. 186,504. PUBLISHED DECEMBER 25, 1923.

181,048. CRAYONS OF VARIOUS COLORS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed October 1, 1923. Serial No. 186,439. PUBLISHED DECEMBER 25, 1923.

181,049. QUESTION AND ANSWER TOY. MILAN R. FORKAPA, doing business as M. R. Forkapa Company, Cleveland, Ohio.
Filed October 1, 1923. Serial No. 186,424. PUBLISHED DECEMBER 25, 1923.

181,050. GAS FURNACES, GAS-FIRED STEAM BOILERS, INDUSTRIAL FURNACES, GAS RANGES, GAS HEATING STOVES, AND WATER HEATERS. CHARLES B. BABCOCK, doing business as C. B. Babcock Company, San Francisco, Calif.
Filed October 1, 1923. Serial No. 186,407. PUBLISHED DECEMBER 25, 1923.

181,051. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,369. PUBLISHED DECEMBER 18, 1923.

181,052. NUTCRACKERS. COOK ELECTRIC COMPANY, Chicago, Ill.
Filed September 28, 1923. Serial No. 186,317. PUBLISHED DECEMBER 25, 1923.

181,053. CONFECTIONERY—NAMELY, CANDY BAR, CHOCOLATE COVERING, WITH CREAM AND NUT FILLING. BARG & FOSTER CANDY COMPANY, Milwaukee, Wis.
Filed July 30, 1923. Serial No. 183,814. PUBLISHED DECEMBER 25, 1923.

181,054. WHEAT FLOUR. SOUTHERN ILLINOIS MILLING COMPANY, Murphysboro, Ill.
Filed July 27, 1923. Serial No. 183,779. PUBLISHED DECEMBER 25, 1923.

181,055. TRUNKS, TRAVELING BAGS, LEATHER BAGS, AND LEATHER, BLACK ENAMEL, AND FABRIKOID SUITCASES. INNOVATION INGENUITIES INCORPORATED, New York, N. Y.
Filed July 27, 1923. Serial No. 183,745. PUBLISHED DECEMBER 25, 1923.

181,056. NOVELTY DESIGNS FOR TEXTILES. CONSTANCE H. BAUM, New York, N. Y.
Filed July 27, 1923. Serial No. 183,728. PUBLISHED DECEMBER 18, 1923.

181,057. GAME. GEORGE W. SHEPPARD, San Francisco, Calif.
Filed July 26, 1923. Serial No. 183,724. PUBLISHED DECEMBER 25, 1923.

181,058. WHEAT FLOUR. SUNNYSIDE MILLING CO., Evansville, Ind.
Filed July 25, 1923. Serial No. 183,077. PUBLISHED DECEMBER 25, 1923.

181,059. STICK CANDY. DAVIS-REECE CO., INC., Brooklyn, N. Y.
Filed August 2, 1923. Serial No. 183,959. PUBLISHED DECEMBER 18, 1923.

181,060. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 31, 1923. Serial No. 183,877. PUBLISHED DECEMBER 25, 1923.

181,061. CONFECTIONERY—NAMELY, CANDY NUT BAR COMPOSED OF FUDGE, COCONUT, AND FILBERTS. BARG & FOSTER CANDY COMPANY, Milwaukee, Wis.
Filed July 30, 1923. Serial No. 183,816. PUBLISHED DECEMBER 25, 1923.

181,062. CONFECTIONERY—NAMELY, CANDY NUT BAR WITH CHOCOLATE COVERING. BARG & FOSTER CANDY COMPANY, Milwaukee, Wis.
Filed July 30, 1923. Serial No. 183,815. PUBLISHED DECEMBER 25, 1923.

181,063. FOOD-FLAVORING EXTRACTS. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed August 6, 1923. Serial No. 184,120. PUBLISHED DECEMBER 25, 1923.

181,064. SELF-RISING FLOUR. M. D. KING MILLING COMPANY, Pittsfield, Ill.
Filed August 4, 1923. Serial No. 184,080. PUBLISHED DECEMBER 25, 1923.

181,065. SELF-RISING FLOUR. M. D. KING MILLING COMPANY, Pittsfield, Ill.
Filed August 4, 1923. Serial No. 184,079. PUBLISHED DECEMBER 25, 1923.

181,066. CERTAIN NAMED PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed August 3, 1923. Serial No. 184,045. PUBLISHED DECEMBER 18, 1923.

181,067. SESAME OIL. MENORAH FOOD PRODUCTS CO., INC., New York, N. Y.
Filed August 2, 1923. Serial No. 183,983. PUBLISHED DECEMBER 25, 1923.

181,068. PAINT AND VARNISH MONTHLY PERIODICAL PUBLICATION. THE NATIONAL SAVE THE SURFACE CAMPAIGN COMMITTEE, doing business as Save The Surface Campaign, Philadelphia, Pa.
Filed August 16, 1923. Serial No. 184,561. PUBLISHED DECEMBER 25, 1923.

181,069. CAKES. WARD BAKING COMPANY, New York, N. Y.
Filed August 15, 1923. Serial No. 184,532. PUBLISHED DECEMBER 25, 1923.

181,070. CAKES. WARD BAKING COMPANY, New York, N. Y.
Filed August 15, 1923. Serial No. 184,581. PUBLISHED DECEMBER 25, 1923.

181,071. BUTTER. WILLIAM C. KAMMERER, doing business as Missouri Butter Company, St. Louis, Mo.
Filed August 14, 1923. Serial No. 184,466. PUBLISHED DECEMBER 25, 1923.

181,072. TOILET PAPER. NORTHERN PAPER MILLS, Green Bay, Wis.
Filed August 11, 1923. Serial No. 184,857. PUBLISHED DECEMBER 25, 1923.

181,073. CLEANING PREPARATION FOR KITCHEN, HOUSEHOLD, AND LAUNDRY USES. FRENCH CHEMICAL COMPANY, Rochester, N. Y.
Filed November 5, 1923. Serial No. 188,008. PUBLISHED DECEMBER 25, 1923.

181,074. PAPER BAGS. THE LE MONTREE MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed November 5, 1923. Serial No. 188,019. PUBLISHED DECEMBER 25, 1923.

181,075. CERTAIN NAMED ABRASIVE PAPERS AND CLOTHS. BAEDER ADAMSON COMPANY, Boston, Mass.
Filed November 8, 1923. Serial No. 188,104. PUBLISHED DECEMBER 25, 1923.

181,076. WRITING PAPER. E. E. LLOYD PAPER COMPANY, Chicago, Ill.
Filed November 8, 1923. Serial No. 188,125. PUBLISHED DECEMBER 25, 1923.

181,077. HAIRPINS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed October 27, 1923. Serial No. 187,577. PUBLISHED JANUARY 1, 1924.

181,078. HAND SEWING NEEDLES. NEW YORK MERCHANDISE COMPANY, New York, N. Y.
Filed October 27, 1923. Serial No. 187,588. PUBLISHED JANUARY 1, 1924.

181,079. BREAKFAST CEREAL. VITOMEN CEREAL COMPANY, Tacoma, Wash.
Filed June 14, 1923. Serial No. 182,025. PUBLISHED DECEMBER 25, 1923.

181,080. POULTRY FOOD. THE MARMITE FOOD EXTRACT CO. LTD., London, England.
Filed July 23, 1923. Serial No. 183,581. PUBLISHED DECEMBER 25, 1923.

181,081. WHEAT FLOUR. THE FRANK R. PRINA CORPORATION, New York, N. Y.
Filed July 23, 1923. Serial No. 183,594. PUBLISHED DECEMBER 25, 1923.

181,082. SEMOLINA MADE OF DURUM WHEAT. W. P. TANNER-GROSS & CO., INC., New York, N. Y.
Filed July 23, 1923. Serial No. 183,609. PUBLISHED DECEMBER 25, 1923.

181,083. SALAD DRESSING. SARAH GREEN WHITSITT, doing business as Bestyett Food Company, Fort Worth, Tex.
Filed July 23, 1923. Serial No. 183,616. PUBLISHED OCTOBER 30, 1923.

181,084. BASEBALL BATS. DUDLEY J. MARSTON, Amesbury, Mass.
Filed July 25, 1923. Serial No. 183,658. PUBLISHED DECEMBER 25, 1923.

181,085. HOSIERY. SOLOMON S. MILLER, Reading, Pa.
Filed November 3, 1923. Serial No. 187,950. PUBLISHED JANUARY 1, 1924.

181,086. CLIPS. THE TONGUE-TYER CLIP CO., Bristol, Conn.
Filed November 3, 1923. Serial No. 187,970. PUBLISHED DECEMBER 25, 1923.

181,087. SAWS. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa.
Filed November 5, 1923. Serial No. 188,002. PUBLISHED DECEMBER 25, 1923.

181,088. COTTON PIECE GOODS. DOPTOGLOU BROS. OF N. Y., New York, N. Y.
Filed July 19, 1923. Serial No. 183,444. PUBLISHED NOVEMBER 6, 1923.

181,089. TURBINES, PUMPS, HYDRAULIC TURBINES, TURBINE GOVERNORS, AND PARTS OF HYDRAULIC TURBINES, PUMPS, AND TURBINE GOVERNORS. THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa.
Filed September 21, 1923. Serial No. 186,036. PUBLISHED DECEMBER 25, 1923.

181,090. PEANUT BAR. TAYLOR CANDY COMPANY, Newark, N. J.
Filed September 21, 1923. Serial No. 186,034. PUBLISHED DECEMBER 25, 1923.

181,091. PREPARED TRACING PAPER. SPECIAL PAPER MFG. CO., New York, N. Y.
Filed September 21, 1923. Serial No. 186,029. PUBLISHED DECEMBER 25, 1923.

181,092. COMPOSITION DRAIN BOARDS, MAGNESITE COMPOSITION FLOOR AND WALL COVERING, COMPOSITION MANTLES, AND MAGNESITE COMPOSITION DRAIN FLOORS FOR SHOWERS. HOWARD LEFFLER, doing business as Keystone Drain Board Co., Los Angeles, Calif.
Filed September 21, 1923. Serial No. 186,016. PUBLISHED DECEMBER 25, 1923.

181,093. WOMEN'S APPAREL—NAMELY, COATS, SUITS, CAPES, SWEATERS, SKIRTS, BLOUSES, DRESSES, AND HATS. FARR COMPANY, INC., New York, N. Y.
Filed September 21, 1923. Serial No. 186,006. PUBLISHED JANUARY 1, 1924.

181,094. FOLDING TABLES. THE PARKER-YOUNG COMPANY, Boston, Mass.
Filed September 20, 1923. Serial No. 185,983. PUBLISHED DECEMBER 18, 1923.

181,095. MACARONI, SPAGHETTI, VERMICELLI, READY-CUT MACARONI AND SPAGHETTI, STARS, AND NOODLES. NATIONAL MACARONI COMPANY, Dallas, Tex.
Filed September 25, 1923. Serial No. 186,195. PUBLISHED JANUARY 1, 1924.

181,096. OLIVE OIL AND MACARONI. FILIPPO ZICHELLO, New York, N. Y.
Filed September 24, 1923. Serial No. 186,174. PUBLISHED DECEMBER 25, 1923.

181,097. PACKAGE OUTFITS CONTAINING MATERIALS TO BE EMBROIDERED. FREDERICK WEINHEIMER, Buffalo, N. Y.
Filed September 24, 1923. Serial No. 186,172. PUBLISHED JANUARY 1, 1924.

181,098. SPRAYING DEVICES FOR PAINT, SAND, AND CLEANING SOLUTIONS. GEO. M. STOWE, Jr., Buffalo, N. Y.
Filed September 24, 1923. Serial No. 186,165. PUBLISHED DECEMBER 25, 1923.

181,099. ADDING, LISTING, CALCULATING, AND BOOKKEEPING MACHINES—NAMELY, PUNCHERS, SORTERS, AND TABULATORS. POWERS ACCOUNTING MACHINE CORPORATION, New York, N. Y.
Filed September 24, 1923. Serial No. 186,156. PUBLISHED DECEMBER 25, 1923.

181,100. PNEUMATIC TIRES. VIRGINIAN TIRE & RUBBER COMPANY, St. Albans, W. Va.
Filed September 22, 1923. Serial No. 186,092. PUBLISHED DECEMBER 25, 1923.

181,101. WATER CIRCULATOR FOR COOLING SYSTEMS FOR GASOLINE ENGINES. GREAT STATES CORPORATION, Richmond, Ind.
Filed September 22, 1923. Serial No. 186,052. PUBLISHED DECEMBER 25, 1923.

181,102. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed September 25, 1923. Serial No. 186,206. PUBLISHED DECEMBER 25, 1923.

181,103. GASOLINE. PURITAN OIL CORPORATION, St. Louis, Mo.
Filed September 27, 1923. Serial No. 186,291. PUBLISHED DECEMBER 25, 1923.

181,104. CERTAIN NAMED PIECE GOODS. TURNER & WALLS, New York, N. Y.
Filed September 26, 1923. Serial No. 186,257. PUBLISHED DECEMBER 18, 1923.

181,105. MATTRESSES. THE STEARNS & FOSTER COMPANY, Lockland, Ohio.
Filed September 20, 1923. Serial No. 186,254. PUBLISHED DECEMBER 18, 1923.

181,106. CHEESECLOTH. LEWIS MANUFACTURING COMPANY, Walpole, Mass.
Filed September 20, 1923. Serial No. 186,240. PUBLISHED DECEMBER 18, 1923.

181,107. PICKLES. OMAR A. FANNING, Streator, Ill.
Filed September 20, 1923. Serial No. 186,224. PUBLISHED JANUARY 1, 1924.

181,108. MAYONNAISE DRESSING. ALDEN PRODUCTS Co., Seagirt, N. J.
Filed September 20, 1923. Serial No. 186,208. PUBLISHED JANUARY 1, 1924.

181,109. INNER AND EXTERIOR TIRE FLAPS FOR AUTOMOBILE TIRES; TIRE ACCESSORIES—NAMELY, TUBE PATCHES, BLOW-OUT PATCHES, AND RUBBER CEMENT AND RIM-REPAIR PARTS. ABRAHAM I. LEVIN, doing business as Rawhide Products Distributing Co., Kenilworth, N. J.
Filed June 20, 1923. Serial No. 182,251. PUBLISHED DECEMBER 25, 1923.

181,110. CHILDREN'S BICYCLES AND VELOCIPEDES. D. P. HARRIS HARDWARE & MANUFACTURING Co. INC., New York, N. Y.
Filed June 29, 1923. Serial No. 182,582. PUBLISHED DECEMBER 25, 1923.

181,111. CHILDREN'S BICYCLES AND VELOCIPEDES. D. P. HARRIS HARDWARE & MANUFACTURING Co. INC., New York, N. Y.
Filed June 29, 1923. Serial No. 182,583. PUBLISHED DECEMBER 25, 1923.

181,112. TOY BALLOON. CANDY-TOY COMPANY OF AMERICA, Harrisburg, Pa.
Filed June 14, 1923. Serial No. 181,976. PUBLISHED DECEMBER 25, 1923.

181,113. TEA, SHELLED WALNUTS IN THEIR NATURAL STATE, VINEGAR, AND TOMATO CATCHUP. JOHN SCOWCROFT & SONS COMPANY, Ogden, Utah.
Filed June 14, 1923. Serial No. 182,015. PUBLISHED DECEMBER 25, 1923.

181,114. VALVE-GRINDING COMPOUND. S. C. JOHNSON & SON, Racine, Wis.
Filed June 16, 1923. Serial No. 182,069. PUBLISHED DECEMBER 18, 1923.

181,115. BLACKBOARDS AND BLACKBOARD STANDS. WEBER COSTELLO Co., Chicago Heights, Ill.
Filed June 18, 1923. Serial No. 182,193. PUBLISHED DECEMBER 25, 1923.

181,116. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed October 30, 1923. Serial No. 187,704. PUBLISHED DECEMBER 25, 1923.

181,117. FUEL FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE. THE BENZOL MOTOR FUEL COMPANY, Akron, Ohio.
Filed November 1, 1923. Serial No. 187,792. PUBLISHED DECEMBER 25, 1923.

181,118. OVERALLS. LINDEKE, WARNER & SONS, INCORPORATED, St. Paul, Minn.
Filed November 1, 1923. Serial No. 187,827. PUBLISHED JANUARY 1, 1924.

181,119. PADDING FOR HAIR DRESSING. E. MITTELSTAEDT, INC., New York, N. Y.
Filed November 1, 1923. Serial No. 187,833. PUBLISHED DECEMBER 18, 1923.

181,120. COFFEES. MANUEL M. DE PICABIA, New York, N. Y.
Filed November 2, 1923. Serial No. 187,857. PUBLISHED JANUARY 1, 1924.

181,121. FOUNTAIN PENS. J. HARRIS & COMPANY, New York, N. Y.
Filed November 2, 1923. Serial No. 187,864. PUBLISHED DECEMBER 25, 1923.

181,122. LINEN BROOM TWINE. THE NITRAM MANUFACTURING Co., East Orange, N. J., and New York, N. Y.
Filed November 2, 1923. Serial No. 187,875. PUBLISHED DECEMBER 25, 1923.

181,123. SOAPS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed November 2, 1923. Serial No. 187,892. PUBLISHED DECEMBER 25, 1923.

181,124. WASHING AND SCOURING SOAP. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed November 1, 1923. Serial No. 187,899. PUBLISHED DECEMBER 25, 1923.

181,125. WAFFLES. THE ORANGE MILL COMPANY, INC., Coney Island, N. Y.
Filed May 26, 1923. Serial No. 181,232. PUBLISHED DECEMBER 25, 1923.

181,126. A CANDY CUP FOR HOLDING ICE CREAM AND ICES. THE LAS-KA COMPANY, INC., Des Moines, Iowa.
Filed May 28, 1923. Serial No. 181,286. PUBLISHED DECEMBER 25, 1923.

181,127. VISORS FOR VEHICLES. TELULAH PETRALYKE COMPANY, Appleton, Wis.
Filed May 29, 1923. Serial No. 181,357. PUBLISHED DECEMBER 25, 1923.

181,128. COVERED HOOK AND EYE TAPES. R. K. M. MANUFACTURING Co., Newark, N. J.
Filed May 31, 1923. Serial No. 181,411. PUBLISHED DECEMBER 18, 1923.

181,129. HAND CLEANER. A. RAYMOND GOLDSWORTHY, Brockton, Mass.
Filed June 11, 1923. Serial No. 181,828. PUBLISHED DECEMBER 25, 1923.

181,130. BREAD. THE HEIMBACH BAKING COMPANY, Allentown, Pa.
Filed April 17, 1923. Serial No. 179,269. PUBLISHED DECEMBER 25, 1923.

181,131. CANDY. VAL. BLATZ JR. CANDY Co., Milwaukee, Wis.
Filed April 18, 1923. Serial No. 179,291. PUBLISHED SEPTEMBER 11, 1923.

181,132. STEAM-BOILER FURNACES AND PARTS THEREOF. WILLIAM A. GILCHRIST, Chicago, Ill.
Filed April 26, 1923. Serial No. 179,719. PUBLISHED DECEMBER 25, 1923.

181,133. EGGS. LEO A. GROUTEN, Unionville, Conn.
Filed April 28, 1923. Serial No. 179,865. PUBLISHED DECEMBER 25, 1923.

181,134. TOILET SOAPS. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed May 3, 1923. Serial No. 180,106. PUBLISHED DECEMBER 18, 1923.

181,135. MEN'S COLLARS, DRESS AND NEGLIGEE SHIRTS, PYJAMAS, NIGHTGOWNS, AND TEXTILE UNDERWEAR AND BOYS' SHIRTS AND BLOUSES. MAURICE J. SCHNEIDER, Los Angeles, Calif.
Filed May 5, 1923. Serial No. 180,316. PUBLISHED JANUARY 1, 1924.

181,136. COFFEE. THE OHIO VALLEY COFFEE Co., Portsmouth, Ohio.
Filed May 17, 1923. Serial No. 180,770. PUBLISHED DECEMBER 25, 1923.

181,137. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 20, 1923. Serial No. 183,475. PUBLISHED DECEMBER 25, 1923.

181,138. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 20, 1923. Serial No. 183,476. PUBLISHED DECEMBER 25, 1923.

181,139. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 20, 1923. Serial No. 183,480. PUBLISHED DECEMBER 25, 1923.

181,140. MARMALADE. BESSIE S. POWELL, doing business as Beth Tantum, Los Angeles, Calif.
Filed July 20, 1923. Serial No. 183,500. PUBLISHED DECEMBER 25, 1923.

181,141. BOX BOARD AND WRAPPING PAPER. SCHMIDT & AULT PAPER Co., York, Pa.
Filed July 20, 1923. Serial No. 183,505. PUBLISHED DECEMBER 25, 1923.

181,142. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed July 6, 1923. Serial No. 182,889. PUBLISHED DECEMBER 25, 1923.

181,143. SEAMLESS DIPPED INDIA-RUBBER GOODS—NAMELY, HOT-WATER BAGS, FOUNTAIN SYRINGES, HIGH ENEMA TUBES, CRACKED-ICE BAGS, GLOVES, AND TEATS. THE MITCHAM RUBBER CO. LTD., London, England.
Filed July 9, 1923. Serial No. 182,984. PUBLISHED DECEMBER 25, 1923.

181,144. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed July 9, 1923. Serial No. 182,993. PUBLISHED DECEMBER 25, 1923.

181,145. PREPARED MUSTARD. STICKNEY & POOR SPICE Co., Boston, Mass.
Filed July 13, 1923. Serial No. 183,174. PUBLISHED JANUARY 1, 1924.

181,146. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 16, 1923. Serial No. 183,285. PUBLISHED DECEMBER 25, 1923.

181,147. BREAD. SCHAFER BAKERY, INC., Savannah, Ga.
Filed July 16, 1923. Serial No. 183,319. PUBLISHED DECEMBER 25, 1923.

181,148. FILING ENVELOPES AND MANUSCRIPT COVERS. WILLIAM S. TUTTLE, doing business as Tuttle Law Print, Rutland, Vt.
Filed July 16, 1923. Serial No. 183,324. PUBLISHED DECEMBER 25, 1923.

181,149. PAPER BAGS AND BASKETS. SYDNEY KANN, doing business as Sydney Kann & Co., Detroit, Mich.
Filed July 18, 1923. Serial No. 183,386. PUBLISHED DECEMBER 25, 1923.

181,150. KNEE RESTS FOR USE IN SCRUBBING AND THE LIKE. JERRY NOVAK, South Milwaukee, Wis.
Filed July 18, 1923. Serial No. 183,402. PUBLISHED DECEMBER 25, 1923.

181,151. HARNESS, HARNESS PARTS, NETS, AND SWEAT PADS FOR HORSES. WALTER BOYT COMPANY, INC., Des Moines, Iowa.
Filed October 6, 1923. Serial No. 186,629. PUBLISHED DECEMBER 25, 1923.

181,152. CERTAIN NAMED PIECE GOODS. JACOB MILLER'S SONS Co., Philadelphia, Pa.
Filed October 30, 1923. Serial No. 187,687. PUBLISHED DECEMBER 25, 1923.

181,153. STEEL WIRE ROPE AND STRANDS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio.
Filed October 6, 1923. Serial No. 186,623. PUBLISHED DECEMBER 25, 1923.

181,154. PEANUT BRITTLE. OLD VIRGINIA PEANUT BRITTLE Co., Richmond, Va.
Filed October 30, 1923. Serial No. 187,691. PUBLISHED JANUARY 1, 1924.

181,155. CHECKS, BONDS, SECURITIES, AND WRITING AND PRINTING PAPER. A. EMIL SKOOG, New York, N. Y.
Filed October 5, 1923. Serial No. 186,618. PUBLISHED DECEMBER 25, 1923.

181,156. DRIED FRUIT—NAMELY, DRIED PRUNES. J. G. SHAW, doing business as J. G. Shaw Company, San Jose, Calif.
Filed October 30, 1923. Serial No. 187,698. PUBLISHED JANUARY 1, 1924.

181,157. CASTILE SOAP. ANDREW E. TZIFAKIS, doing business as The Hermo Products Company, New York, N. Y.
Filed October 30, 1923. Serial No. 187,701. PUBLISHED DECEMBER 25, 1923.

181,158. BOX SPRINGS AND MATTRESSES. ADAM WUEST, Cincinnati, Ohio.
Filed October 27, 1923. Serial No. 187,598. PUBLISHED DECEMBER 18, 1923.

181,159. VENTILATORS. WILLIAM H. JARDINE, Philadelphia, Pa.
Filed October 30, 1923. Serial No. 187,679. PUBLISHED DECEMBER 25, 1923.

181,160. HYDROGENATED VEGETABLE OIL USED IN THE MANUFACTURE OF CONFECTIONERY PRODUCTS. THE BEST FOODS, INC., New York, N. Y.
Filed October 8, 1923. Serial No. 186,689. PUBLISHED DECEMBER 25, 1923.

181,161. HYDROGENATED COCONUT OIL USED IN THE PRODUCTION OF CONFECTIONS, CAKES, PASTRIES, VEGETABLE BUTTERS, AND FOR OTHER CULINARY PURPOSES. THE BEST FOODS, INC., New York, N. Y.
Filed October 8, 1923. Serial No. 186,688. PUBLISHED DECEMBER 25, 1923.

181,162. DOLLS. SCHOEN & YONDORF CO. INC., New York, N. Y.
Filed October 6, 1923. Serial No. 186,676. PUBLISHED DECEMBER 25, 1923.

181,163. DOLLS. SCHOEN & YONDORF CO. INC., New York, N. Y.
Filed October 6, 1923. Serial No. 186,675. PUBLISHED DECEMBER 25, 1923.

181,164. CANNED VEGETABLES, CANNED FRUITS, PANCAKE FLOUR, FRUIT JELLIES, AND FRUIT JAMS. PORTAGE WHOLESALE GROCERY COMPANY, Portage, Wis.
Filed October 6, 1923. Serial No. 186,666. PUBLISHED DECEMBER 25, 1923.

181,165. SOLE LEATHER. THOMAS COVER, Jr., doing business as Cover & Company, Philadelphia, Pa.
Filed October 6, 1923. Serial No. 186,630. PUBLISHED DECEMBER 25, 1923.

181,166. FIELD AND OPERA GLASSES. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed October 26, 1923. Serial No. 187,548. PUBLISHED DECEMBER 25, 1923.

181,167. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 27, 1923. Serial No. 187,572. PUBLISHED DECEMBER 25, 1923.

181,168. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 27, 1923. Serial No. 187,575. PUBLISHED DECEMBER 25, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

181,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELM CANDY COMPANY, Lancaster, Pa. Filed Sept. 30, 1922. Serial No. 170,139.

Helm

Particular description of goods.—Candy.
Claims use since Sept. 1, 1916.

181,170. (CLASS 11. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WM. POWELL CO., Cincinnati, Ohio. Filed Apr. 2, 1923. Serial No. 178,469.

PILOT

Particular description of goods.—Gate Valves.
Claims use since on or about Nov. 2, 1907.

181,171. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Aug. 22, 1923. Serial No. 184,828.

Style No. 90 | GARLOCK WATERPROOF HYDRAULIC COIL THE GARLOCK PACKING CO.

Particular description of goods.—Packing and Packing Material Made Wholly of or from Various Combinations of Asbestos, Rubber, Cotton, Flax, Copper, Lead, Iron, and Babbitt.
Claims use since Mar. 25, 1905.

181,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 2, 1924. Serial No. 190,339.

$1000 00 GUARANTEED ROACH KILLER



Particular description of goods.—Powdered Insecticide Preparation for the Poisoning of Vermin, Particularly Roaches and Water Bugs.
Claims use since 1905.

181,173. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RIDLEY WATTS & COMPANY, New York, N. Y. Filed Jan. 12, 1924. Serial No. 190,749.

CALICOT COTTON

Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 17, 1915.

181,174. (CLASS 39. CLOTHING.) SALOMON STERN LTD. OF AMERICA, New York, N. Y. Filed Jan. 9, 1924. Serial No. 190,612.

Westminster

Particular description of goods.—Knitted Scarfs, Knitted Shawls, Knitted Costumes, Knitted Hats and Caps, Knitted Sweaters, Golf Coats, and Golf Jackets.
Claims use since May, 1921.

181,175. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 2, 1924. Serial No. 190,340.

$1000.00 GUARANTEED RAT AND MICE KILLER



Particular description of goods.—Plastic or Paste Form Preparation for the Poisoning of Vermin, Particularly Rodents, Rats, and Mice.
Claims use since 1911.

181,176. (CLASS 39. CLOTHING.) ROLLINS HOSIERY MILLS, Des Moines, Iowa. Filed Jan. 14, 1924. Serial No. 190,812.

ROLLINS

Particular description of goods.—Men's, Women's, and Children's Cotton, Wool, and Silk Hosiery.
Claims use since 1921.

181,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARMSTRONG PACKING COMPANY, Dallas, Tex. Filed Nov. 17, 1923. Serial No. 188,462.

LITTLE PIG

Particular description of goods.—Pork Sausage.
Claims use since about 1913.

181,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD B. CUDDY, doing business as Crown Barber Supply Co., New York, N. Y. Filed Nov. 20, 1923. Serial No. 188,589.



Particular description of goods.—Bay Rum.
Claims use since Dec. 1, 1903.

181,179. (CLASS 39. CLOTHING.) AUGUSTA FRIEDMAN'S SHOP, INC., Birmingham, Ala. Filed Dec. 15, 1923. Serial No. 189,718.

TRUTHFULLY TOLD TRUTHFULLY SOLD.



ALWAYS EXCLUSIVE NEVER EXPENSIVE.

Particular description of goods.—Ladies' Garments—Namely, Suits, Dresses, Coats; Shoes of Leather, Rubber, Fabric, or Combinations Thereof; Hosiery, Hats, Underwear of Knitted and Textile Fabrics.
Claims use since January of 1918.

181,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMOND J. STOWELL, doing business as R. J. S. Laboratory, Chicago, Ill. Filed Dec. 26, 1923. Serial No. 190,136.

CERTIFIED

Particular description of goods.—Cold Creams, Vanishing Creams, Massage Creams, Hair Tonics, Vegetals, Talcum Powders, Face Powders, Perfumes, Toilet Waters, Hair Dressings, and Bay Rum.
Claims use since July 21, 1922.

181,181. [WITHDRAWN.]

181,182. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Nov. 3, 1923. Serial No. 187,918.

PUNJAB

Particular description of goods.—Negligee and Dress Shirts.
Claims use since Sept. 18, 1920.

181,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 2, 1924. Serial No. 190,338.

$1000.00 GUARANTEED BED-BUG KILLER



Particular description of goods.—Liquid Chemical Preparation for the Poisoning of Vermin, Particularly Bedbugs.
Claims use since 1911.

181,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARQUE PURE FOOD COMPANY, INC., Los Angeles, Calif. Filed Sept. 24, 1923. Serial No. 186,103.

"Natural Foods of California"

Particular description of goods.—Dried and Evaporated Fruits, Figs, Raisins, Dates, and Prunes; Peanut Butter, Almond Butter, Nut Butters of the Same Nature, Corn Meal, Wheat Flour, Whole Rice, Whole-Wheat Crackers, Fig Cereal, Fruit Candy, Sun-Dried Olives, Honey, and Coffee Substitute.
Claims use since Nov. 27, 1922.

181,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK, GRANT & MORRIS, Fargo, N. Dak. Filed Oct. 22, 1923. Serial No. 187,341.

Marquette

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Fish, Evaporated Milk, Macaroni, Prepared Mustard, Peanut Butter, Tomato Catchup, Honey, Rolled Oats, Fruit Jams, Fruit Jellies, Table Sirup, Food-Flavoring Extracts, Vinegar, Dried Fruits, and Cheese.
Claims use since 1903.

181,186. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., North Bergen, N. J., and New York, N. Y. Filed June 21, 1923. Serial No. 182,315.

A MIGEL SILKS HINDU CRÊPE

Particular description of goods.—Silk Piece Goods.
Claims use since Sept. 20, 1917.

181,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PEACH & FIG GROWERS, Fresno, Calif. Filed Sept. 8, 1923. Serial No. 185,510.

FIG HEALTH

Particular description of goods.—Bread, Crackers, and Cookies.
Claims use since Jan. 2, 1923.

181,188. (CLASS 39. CLOTHING.) FRUHAUF BROS. & CO., New York, N. Y. Filed Sept. 21, 1923. Serial No. 186,007.

"ShineNot"

Particular description of goods.—Men's and Young Men's Overcoats and Suits in One, Two, and Three Piece Garments.
Claims use since July 10, 1922.

181,189. (CLASS 39. CLOTHING.) STETSON SHIRT CO. INC., New York, N. Y. Filed Feb. 6, 1923. Serial No. 175,628.

STETSON

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Jan. 15, 1923.

181,190. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL RUBENSTEIN, Seattle, Wash. Filed June 14, 1923. Serial No. 182,008.

Rubenstein's Fresh Egg Noodles

Particular description of goods.—Fresh-Egg Noodles.
Claims use since Mar. 7, 1923.

181,191. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARRY ICE CREAM COMPANY, INCORPORATED, Washington, D. C. Filed Apr. 14, 1922. Serial No. 162,286.

Carry's Delicious Ice Cream

No claim is made to the words "Delicious Ice Cream" apart from their use with the mark.
Particular description of goods.—Ice Cream, Ices, Ice-Cream Cones, and Ice-Cream Products.
Claims use since 1917.

181,192. (CLASS 39. CLOTHING.) WYMAN PARTRIDGE & CO., Minneapolis, Minn. Filed Sept. 18, 1922. Serial No. 169,664.

NEWPORT

Particular description of goods.—Bloomers.
Claims use since on or about Aug. 14, 1922.

181,193. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) EDWARD J. BENJAMIN, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 171,348.

BREAK-NO-MORE DISHES

Particular description of goods.—China, Porcelain, and Earthenware Dishes.
Claims use since Oct. 1, 1922.

181,194. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE STURDY MANUFACTURING COMPANY, Stroudsburg, Pa. Filed Jan. 17, 1923. Serial No. 174,709.

MFD. BY STURDY MFG. CO. INC. STURDY STROUDSBURG, PA. U.S.A.

Particular description of goods.—Bathroom Fixtures—Namely, Bath Stools and Bath Chairs; Kitchen Furniture and Fixtures—Namely, Tables, Chairs, and Stools; General Household Furniture and Fixtures—Namely, Dressing Tables, Manicure Tables, Dressing Chairs, Medicine Cabinets, Sanitary Cabinets, and Combination Linen and Medicine Cabinets.
Claims use since Jan. 2, 1923.

LABELS

REGISTERED MARCH 11, 1924.

27,055.—*Title:* PLANET HANDKERCHIEFS. For Handkerchiefs. MICHAEL G. BELAIEF, doing business as Beck and Belaief, New York, N. Y. Published August 1, 1921.

27,056.—*Title:* TRANCILLA THE ECONOMY TRANSFER PATTERN. For Envelopes Containing Transfer Patterns. SIDNEY S. BENDICK, doing business as The Trancilla Co., New York, N. Y. Published April 11, 1922.

27,057.—*Title:* B. B. B. MITE EXTERMINATOR. For Insect Powder. HENRY L. BORINI, Brooklyn, N. Y. Published January 4, 1924.

27,058.—*Title:* B–K. For Canned Peas. BOZEMAN CANNING CO., Bozeman, Mont. Published October 16, 1923.

27,059.—*Title:* PETROVSK BRAND GENUINE RUSSIAN CAVIAR. For Russian Caviar. CAUCASIAN IMPORT AND TRADING CORPORATION, New York, N. Y. Published December 15, 1923.

27,060.—*Title:* PETROVSK BRAND GENUINE RUSSIAN CAVIAR. For Russian Caviar. CAUCASIAN IMPORT AND TRADING CORPORATION, New York, N. Y. Published December 15, 1923.

27,061.—*Title:* FAIRYLAND. For Infants' Knitted Goods. COHEN BROS. MFG. CO. INC., New York, N. Y. Published July 6, 1923.

27,062.—*Title:* SILVO PLATE. For Silver Polish and Plater. W. OLMSTEAD HOLMES, doing business as Holmes LABORATORIES, Asbury Park, N. J. Published January 10, 1924.

27,063.—*Title:* RISTA BREAD. For Bread. S. E. LOVELESS, INC., Philadelphia, Pa. Published January 5, 1924.

27,064.—*Title:* SWEET LOAF. For Bread Wrappers. MANBECK BAKING COMPANY, Lemoyne, Pa. Published February 5, 1924.

27,065.—*Title:* LILY WHITE. For Bread Wrappers. MANBECK BAKING COMPANY, Lemoyne, Pa. Published February 5, 1924.

27,066.—*Title:* QUAKER BREAD. For Wrappers for Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Jefferson City Baking Company, Jefferson City, Mo. Published January 14, 1924.

27,067.—*Title:* ST. CLAIR BUTTER. For Cartons Containing Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Maple City Dairy Company, Albion, Mich. Published January 24, 1924.

27,068.—*Title:* MILTO MAID. For Cotton, Linen, Silk, and Woolen Piece Goods. THE MILTON CO., Providence, R. I. Published July 31, 1923.

27,069.—*Title:* PREMIER THE TAXICAB OF DISTINCTION. For Taxicabs. PREMIER CAB SERVICE, INC., New York, N. Y. Published December 28, 1923.

27,070.—*Title:* EASY-SHINE AUTO POLISH. For Cans of Polish. RENU MANUFACTURING COMPANY, Newport, Ky. Published January 23, 1924.

27,071.—*Title:* MO CO CAKE CONES. For Cartons for Ice-Cream Cones. THE RICHARDSON COMPANY, Lockland, Ohio, assignor to Missouri Cone Company, Unincorporated, St. Louis, Mo., a company owned by Ernest A. Hamwi. Published December 15, 1923.

27,072.—*Title:* RIDDO BABY NAPKINS. For Baby Napkins. RIDDO PRODUCTS COMPANY, INC., Brooklyn, N. Y. Published January 25, 1924.

27,073.—*Title:* TOPS THEM ALL. For Packages Containing Middies, Knickers, and Gymnasium Apparel. SALLY MIDDY CO. INC., New York, N. Y. Published December 10, 1923.

27,074.—*Title:* CHINKAPIN. For Creamery Butter. SOUTHERN FOOD PRODUCTS COMPANY, Chickamauga, Ga. Published November 12, 1923.

27,075.—*Title:* PUTNEY WALKEASY SHOE. For Leather Shoes. STEPHEN PUTNEY SHOE COMPANY, Richmond, Va. Published January 2, 1924.

27,076.—*Title:* SUPERIOR BRAND SPEARMINT CHEWING GUM. For Chewing Gum. THE TOLEDO CHEWING GUM COMPANY, Toledo, Ohio. Published February 6, 1924.

27,077.—*Title:* DREAM OF THE DESERT. For Talcum. HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Published November 1, 1923.

27,078.—*Title:* CALIFORNIA (FLEURS D'OUEST). For Talcum. HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Published November 1, 1923.

27,079.—*Title:* WHITE SERVICE STATION. For Cartons Having the Appearance of a Garage, Containing Toy Vehicles. THE WHITE COMPANY, Cleveland, Ohio. Published September 5, 1923.

27,080.—*Title:* DR. WOODMAN'S PERFECTION PASTE. For Tooth Paste for Artificial Teeth. H. C. WOODMAN, D. M. D., Portland, Me. Published January 12, 1924.

PRINTS

REGISTERED MARCH 11, 1924.

7,244.—*Title:* MOTHER'S RING. For Rings Made from Precious Metal. ARCH CROWN MFG. CO., Newark, N. J. Published December 10, 1923.

7,245.—*Title:* A NEWLY REALIZED DANGER TO GROWING BOYS AND GIRLS, MENTAL FATIGUE! For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published February 8, 1924.

7,246.—*Title:* THE HEGER PRODUCTS CO. For Preparations for Dogs. THE HEGER PRODUCTS CO., St. Paul, Minn. Published November 20, 1923.

7,247.—*Title:* FEN-O-LAX GUM AROMATIC LAXATIVE CHEWING GUM. For Chewing Gum. FRANK P. MITCHELL, Battle Creek, Mich. Published January 6, 1924.

7,248.—*Title:* PABST. For Cheese. PABST CORPORATION, Milwaukee, Wis. Published January 2, 1924.

7,249.—*Title:* PROTECT YOUR BRAND ON THE PANTRY SHELF BY USING ROUND FIBRE CANS! For Containers. PIQUA STRAW BOARD CO., Akron, Ohio. Published January 29, 1924.

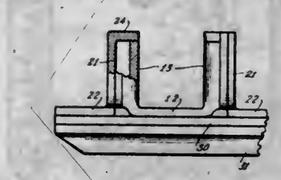
REISSUES

MARCH 11, 1924.

15,789. PROCESS OF MAKING ALDEHYDES AND OTHER OXIDATION PRODUCTS. CARLISLE H. BIBB, New Brunswick, N. J. Filed Oct. 1, 1923. Serial No. 666,040. Original No. 1,392,886, dated Oct. 4, 1921, Serial No. 333,633, filed Oct. 27, 1919. 11 Claims. (Cl. 260—138.)

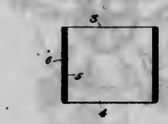
1. A process of converting hydrocarbons into alcohols, aldehydes and other oxidation products, comprising mixing hydrocarbon, oxygen and a gaseous catalyzer containing oxygen, said catalyzer being used in quantities substantially less than the quantity of hydrocarbon, heating the mixture, and separating the alcohols, aldehydes and other oxidation products from the mixture.

15,790. UNIT FOR TRACK BELTS. EDWARD GRUBER, Lyndhurst, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed Jan. 23, 1922. Serial No. 531,270. Original No. 1,359,499, dated Nov. 23, 1920, Serial No. 286,265, filed Mar. 31, 1919. 8 Claims. (Cl. 305—10.)



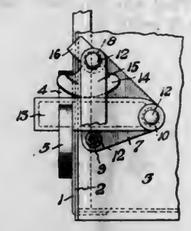
1. A track belt unit comprising three metal members arranged side by side and connected together, viz, a middle member having along its side edges vertical longitudinally extended side rails, and two side members each having a vertical longitudinally extended rail which is secured to a rail of the middle member, the rails which are so secured together being in contact at their front and rear ends and being spaced apart between said contacting ends, the upper edge of one of said spaced apart rails being formed with a horizontal flange which overlies and engages a part of the upper edge of the associated rail.

15,791. KNICKERS. PHILIP LEIKEN, Brooklyn, N. Y., assignor to The Peerless Smoking Jacket Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 17, 1924. Serial No. 686,030. Original No. 1,423,668, dated July 25, 1922, Serial No. 509,393, filed Oct. 21, 1921. 5 Claims. (Cl. 2—122.)



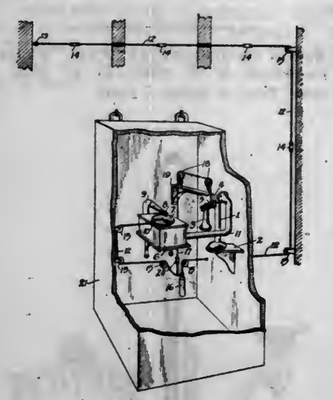
1. As an article of outer wearing apparel, a knickerbocker of woven material, each leg thereof being provided with a cuff extending substantially below said leg and comprising a continuous length of elastic tubular knitted material, doubled back upon itself and secured to form a lower folded edge, said knitted material being permanently secured to said leg.

15,792. CAR-DOOR LOCK. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 28, 1924. Serial No. 689,136. Original No. 1,472,540, dated Oct. 30, 1923, Serial No. 528,245, filed Jan. 10, 1922. 10 Claims. (Cl. 105—308.)



1. A door locking device comprising a body plate having posts formed thereon, said posts extending beyond the opposite sides of said plate, a latch pivotally secured to one of said posts, and a dog pivotally secured to another of said posts, the lowermost post forming a lower limit of movement for said latch.

15,793. AUTOMATIC FIRE ALARM. WILLIAM J. LUSE, New York, N. Y. Filed Mar. 17, 1922. Serial No. 544,635. Original No. 1,344,701, dated June 29, 1920, Serial No. 263,293, filed Nov. 20, 1918. 12 Claims. (Cl. 179—5.)



1. In an automatic fire alarm, a cable adapted to hold a weight in suspension, a fusible link positioned in said cable, whereby when the link is disrupted by heat the weight falls, a phonograph, a telephone in proximity thereto, means whereby the falling of the weight releases a brake on the phonograph, thereby permitting it to operate and, simultaneously lifts the receiver of the phone whereby the message of the phonograph is sent into the phone and means for subsequently restoring the receiver to hung-up position.

DESIGNS

MARCH 11, 1924.

64,157. SPOON OR SIMILAR ARTICLE. GEORGE E. BALL, Bridgeport, Conn., assignor to Whiting Manufacturing Company, Bridgeport, Conn., a Corporation of New York. Filed Apr. 19, 1923. Serial No. 5,852. Term of patent 3½ years.



The ornamental design for a spoon or similar article, as shown.

64,158. SPOON OR SIMILAR ARTICLE. WILLIAM CODMAN, Providence, R. I. Filed Jan. 15, 1924. Serial No. 8,323. Term of patent 7 years.



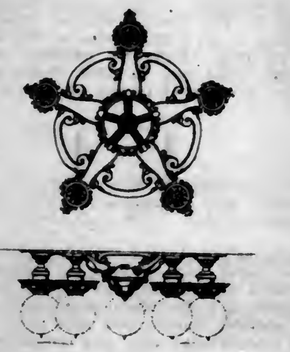
The ornamental design for a spoon or similar article as shown.

64,159. TRAY OR SIMILAR ARTICLE OF MANUFACTURE. MARTHA H. CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Oct. 9, 1923. Serial No. 7,433. Term of patent 3½ years.



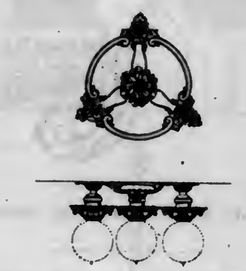
The ornamental design for a tray or similar article of manufacture as shown and described.

64,160. CEILING LIGHT FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 860. Term of patent 3½ years.



The ornamental design for a ceiling light for lighting fixtures, as shown.

64,161. CEILING LIGHT FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 861. Term of patent 3½ years.



The ornamental design for a ceiling light for lighting fixtures, as shown.

64,162. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 862. Term of patent 3½ years.



The ornamental design for a chandelier for lighting fixtures, as shown.

64,163. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 863. Term of patent 3½ years.



The ornamental design for a chandelier for lighting fixtures as shown.

64,164. BRACKET FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 864. Term of patent 3½ years.



The ornamental design for a bracket for lighting fixtures as shown.

64,165. BRACKET FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 865. Term of patent 3½ years.



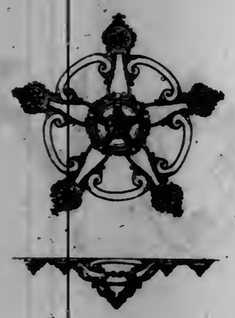
The ornamental design for a bracket for lighting fixtures, as shown.

64,166. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 869. Term of patent 3½ years.



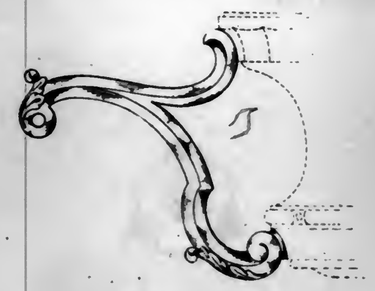
The ornamental design for a plate for lighting fixtures, as shown.

64,167. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 870. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures as shown.

64,168. ARM FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed Oct. 2, 1923. Serial No. 7,381. Term of patent 3½ years.



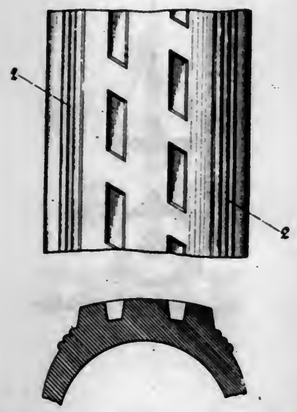
The ornamental design for an arm for lighting fixtures, as shown.

64,169. GLASS BOTTLE. WILSON D. EDWARDS, Terre Haute, Ind., assignor to Turner Brothers Company, Terre Haute, Ind. Filed Oct. 5, 1923. Serial No. 7,407. Term of patent 3½ years.



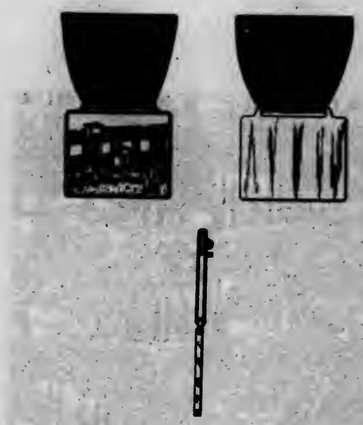
The ornamental design for a glass bottle, as shown.

64,170. TIRE TREAD. SAMUEL T. EHRLICH, Newark, N. J., assignor to Hudson Tire Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed May 2, 1923. Serial No. 6,038. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

64,171. MEDALLION. EDWARD S. GLAVIS, Philadelphia, Pa., assignor to La Societe des 40 Hommes et 8 Chevaux, Seattle, Wash., a National Fraternal Organization. Filed July 3, 1922. Serial No. 2,923. Term of patent 14 years.



The ornamental design for a medallion, as shown.

64,172. GARTER CLASP MEMBER. GEORGE B. GLIDDEN, Dighton, Mass., assignor to George Frost Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 11, 1922. Serial No. 3,675. Term of patent 14 years.



The ornamental design for a garter clasp member, substantially as shown.

64,173. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Dec. 1, 1923. Serial No. 7,934. Term of patent 3½ years.



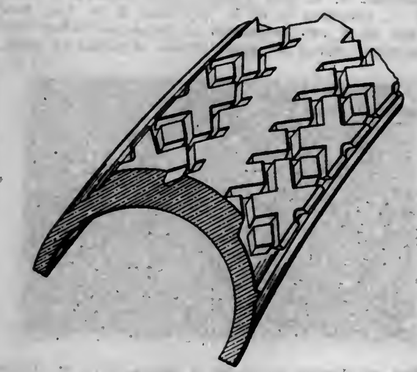
The ornamental design for a textile fabric or similar article as shown and described.

64,174. TREAD FOR PNEUMATIC TIRES. THORNTON G. GRAHAM, Kent, Ohio, assignor to The Mason Tire & Rubber Company, Kent, Ohio, a Corporation of Ohio. Filed Jan. 23, 1923. Serial No. 4,971. Term of patent 14 years.



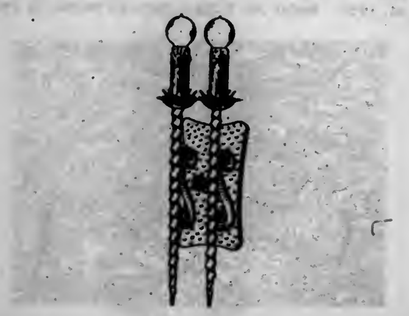
The ornamental design for a tread for pneumatic tires, as shown and described.

64,175. VEHICLE TIRE. TULLY GRAYBILL, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Dec. 29, 1923. Serial No. 8,184. Term of patent 14 years.



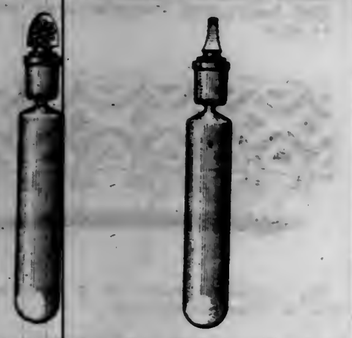
The ornamental design for a vehicle tire as shown.

64,176. ELECTRIC-LIGHT WALL BRACKET. MADGE GRIFFIN, San Francisco, Calif. Filed Nov. 6, 1923. Serial No. 7,700. Term of patent 7 years.



The ornamental design for an electric light wall bracket, as shown.

64,177. PERFUME CONTAINER. GEORGE GRUNBERG, New York, N. Y. Filed Dec. 14, 1923. Serial No. 8,032. Term of patent 3½ years.



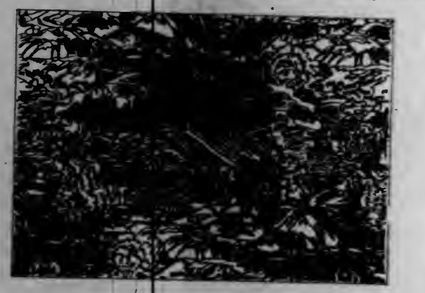
The ornamental design for a perfume container, as shown.

64,178. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 13, 1923. Serial No. 8,007. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,179. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 8,215. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,180. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 8,216. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,181. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 31, 1923. Serial No. 8,217. Term of patent 3½ years.



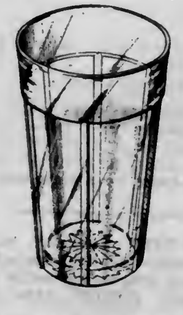
The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,182. PENDANT. WALTER F. HEEREN, Pittsburgh, Pa., assignor to Heeren Brothers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 30, 1922. Serial No. 1,449. Term of patent 3½ years.



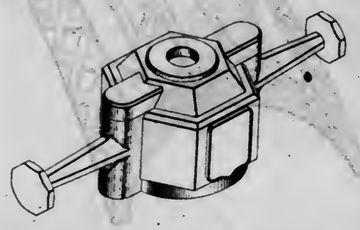
The ornamental design for a pendant, as shown.

64,183. TUMBLER. T. CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed May 24, 1923. Serial No. 6,264. Term of patent 14 years.



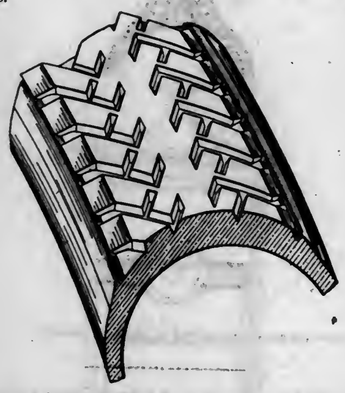
The ornamental design for a tumbler, as shown.

64,184. RADIATOR CAP. JULIUS A. HORVITZ, New Bedford, Mass., assignor to Crown Automotive Co., Inc., New Bedford, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1923. Serial No. 8,198. Term of patent 7 years.



The ornamental design for a radiator cap as shown.

64,185. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Dec. 22, 1923. Serial No. 8,130. Term of patent 14 years.



The ornamental design for a vehicle tire as shown.

64,186. RING. HARRY G. KAUFMAN, New York, N. Y. Filed Jan. 7, 1924. Serial No. 8,264. Term of patent 3½ years.



The ornamental design for a ring as shown.

64,187. RING. HARRY G. KAUFMAN, New York, N. Y. Filed Jan. 7, 1924. Serial No. 8,265. Term of patent 3½ years.



The ornamental design for a ring as shown.

64,188. RING. HARRY G. KAUFMAN, New York, N. Y. Filed Jan. 7, 1924. Serial No. 8,266. Term of patent 3½ years.



The ornamental design for a ring as shown.

64,189. RING. HARRY G. KAUFMAN, New York, N. Y. Filed Jan. 7, 1924. Serial No. 8,267. Term of patent 3½ years.



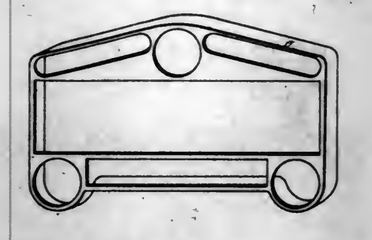
The ornamental design for a ring as shown.

64,190. RING. HARRY G. KAUFMAN, New York, N. Y. Filed Jan. 7, 1924. Serial No. 8,268. Term of patent 3½ years.



The ornamental design for a ring as shown.

64,191. AUTOMOBILE SIGNAL-LIGHT CASING. HENRY M. LIND, Los Angeles, Calif. Filed May 1, 1923. Serial No. 6,022. Term of patent 3½ years.



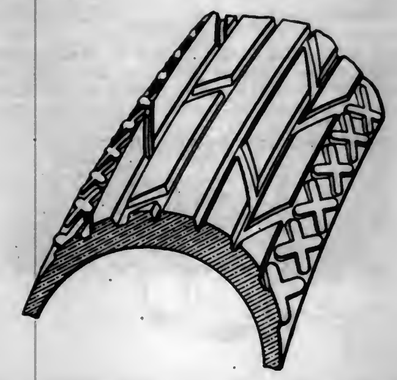
The ornamental design for an automobile signal light casing, substantially as shown.

64,192. FINGER RING. ELLIS W. MACALLISTER, Providence, R. I., assignor to Irons & Russell Company, Providence, R. I., a Corporation of Maine. Filed Dec. 15, 1923. Serial No. 8,055. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

64,193. VEHICLE TIRE. THOMAS C. MARSHALL, Mount Savage, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Dec. 22, 1923. Serial No. 8,129. Term of patent 14 years.



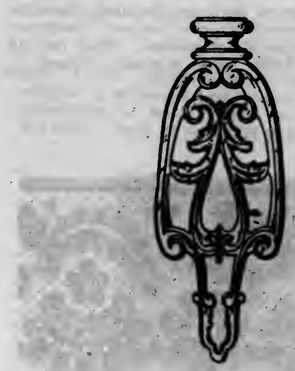
The ornamental design for a vehicle tire as shown.

64,194. CAST ARM FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 10, 1923. Serial No. 7,463. Term of patent 3½ years.



The ornamental design for a cast arm for lighting fixtures as shown.

64,195. LOOP FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 10, 1923. Serial No. 7,464. Term of patent 7 years.



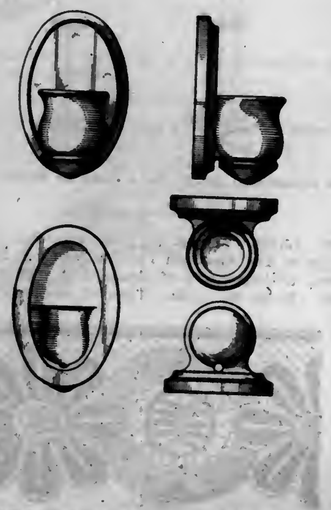
The ornamental design for a loop for lighting fixtures as shown.

64,196. TRAFFIC LIGHT. LOREN W. MCOMBER, Peoria, Ill. Filed Dec. 10, 1923. Serial No. 8,000. Term of patent 14 years.



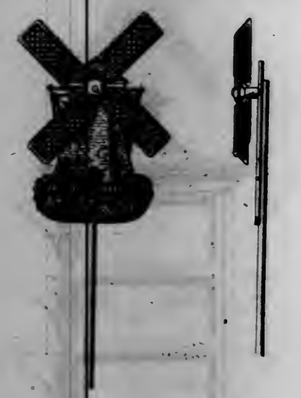
The ornamental design for a traffic light, as shown.

64,197. WALL LIGHTING FIXTURE. HOWARD J. D. MONTEITH, Trenton, N. J. Filed Nov. 8, 1923. Serial No. 7,720. Term of patent 14 years.



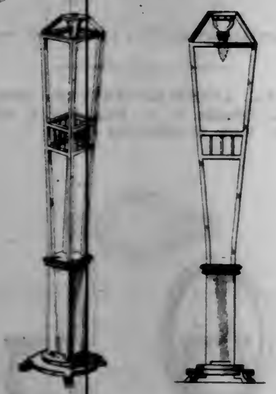
The ornamental design for a wall lighting fixture, as shown.

64,198. PINWHEEL. FREDERICK C. MONKHOUSE, Rochester, N. Y. Filed Dec. 12, 1922. Serial No. 4,578. Term of patent 3½ years.



The ornamental design for a pinwheel, as shown.

64,199. LAMP. ULYSSES S. PAGE and JULIUS C. PAGE, Fall River, Mass. Filed Nov. 9, 1923. Serial No. 7,725. Term of patent 3½ years.



The ornamental design for a lamp as shown.

64,200. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 13, 1923. Serial No. 8,026. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,201. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 15, 1923. Serial No. 8,053. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,202. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 15, 1923. Serial No. 8,054. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,203. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 18, 1923. Serial No. 8,075. Term of patent 14 years.



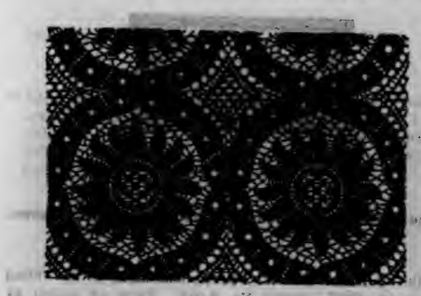
The ornamental design for lace substantially as shown.

64,204. GLASS GRADUATE. WILLIAM P. PARSONS, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Nov. 8, 1923. Serial No. 7,719. Term of patent 14 years.



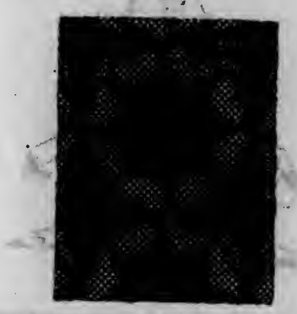
The ornamental design for a glass graduate, as shown.

64,205. LACE. HANS ALBERT PHILIPS, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 15, 1923. Serial No. 8,051. Term of patent 14 years.



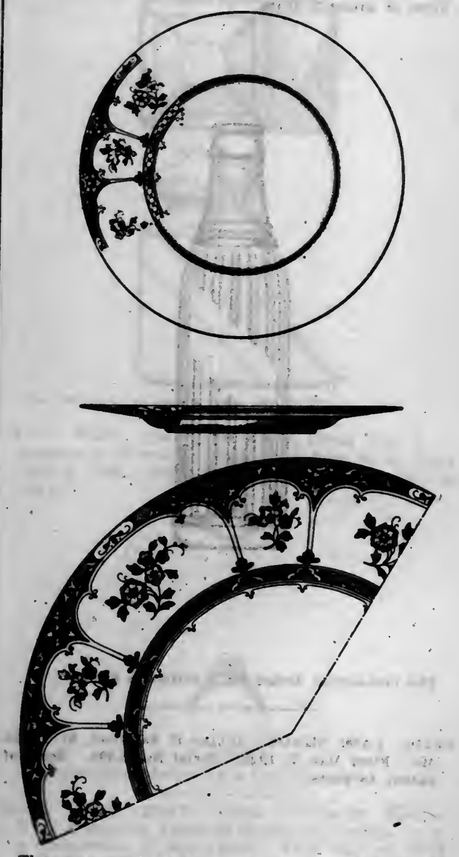
The ornamental design for lace substantially as shown.

64,206. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y., a Corporation of Maine. Filed Dec. 22, 1923. Serial No. 8,139. Term of patent 14 years.



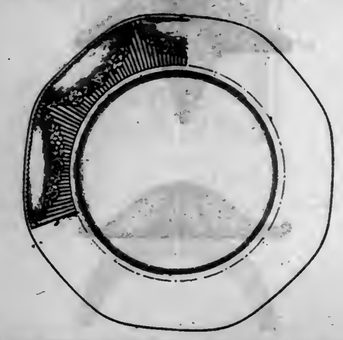
The ornamental design for lace as shown.

64,207. PLATE OR SIMILAR ARTICLE. EDWARD JOHN RIDGWAY, Staten Island, N. Y. Filed May 4, 1923. Serial No. 6,060. Term of patent 7 years.



The ornamental design for a plate or similar article as shown and described.

64,208. PLATE OR SIMILAR ARTICLE. EDWARD JOHN RIDGWAY, Staten Island, N. Y. Filed Aug. 1, 1923. Serial No. 6,913. Term of patent 7 years.



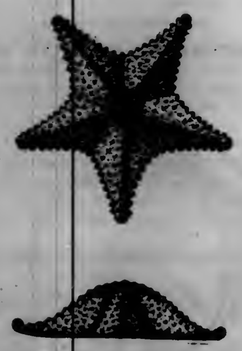
The ornamental design for a plate or similar article, as shown and described.

64,209. BOTTLE. WILLIAM R. ROOT, Terre Haute, Ind., assignor to Southern Fruit Julep Company, Fort Worth, Tex. Filed Oct. 10, 1923. Serial No. 7,458. Term of patent 7 years.



The ornamental design for a bottle, as shown.

64,210. LAMP SHADE. JULIAN E. SAMPSON, St. Louis, Mo. Filed Mar. 7, 1923. Serial No. 5,395. Term of patent 14 years.



The ornamental design for a lamp shade, as shown.

64,211. RADIO CABINET. ALEXANDER SCHOPF, Camden, N. J. Filed May 7, 1923. Serial No. 6,098. Term of patent 14 years.



The ornamental design for a radio cabinet, as shown.

64,212. DOLL. MAY R. SMITH, Brooklyn, N. Y. Filed July 12, 1922. Serial No. 3,043. Term of patent 3½ years.



The ornamental design for a doll substantially as shown.

64,213. SANDAL. URDIX L. STAPLES, Haverhill, Mass. Filed Dec. 8, 1923. Serial No. 7,077. Term of patent 7 years.



The ornamental design for a sandal, as shown.

64,214. SPOON OR ANALOGOUS ARTICLE. FREDERICK WILLIAM STARK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 19, 1924. Serial No. 8,357. Term of patent 14 years.



The ornamental design for a spoon or analogous article substantially as shown.

64,215. JAR. EARL M. STEVENS, Chicago, Ill. Filed Nov. 3, 1923. Serial No. 7,670. Term of patent 14 years.



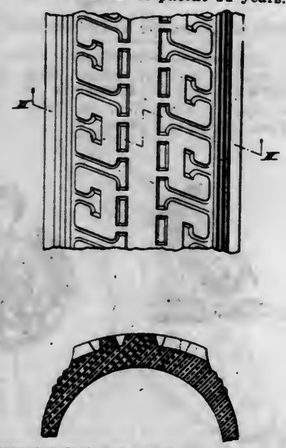
The ornamental design for a jar as shown.

64,216. RING. JOHN A. SWORBELL, Jersey City, N. J., assignor to Hyman Breslavsky, New York, N. Y. Filed May 2, 1923. Serial No. 6,025. Term of patent 3½ years.



The ornamental design for a ring, as shown.

64,217. TIRE TREAD. PETER D. THROPP, Trenton, N. J., assignor to Thermoid Rubber Co., Trenton, N. J., a Corporation of New Jersey. Filed May 17, 1922. Serial No. 2,297. Term of patent 14 years.



The ornamental design for a tire tread substantially as shown.

64,218. GAITER OR SIMILAR ARTICLE. FREDERICK H. TIMSON, Sharon, Mass. Filed Sept. 20, 1922. Serial No. 3,774. Term of patent 3½ years.



The ornamental design for a gaiter or similar article, substantially as shown.

64,219. WALL CUSPIDOR. JAMES VRAYLAS, Peoria, Ill. Filed June 30, 1923. Serial No. 6,633. Term of patent 3½ years.



The ornamental design for a wall cuspidor, as shown.

64,220. FLOWER DOLL. KATHERINE W. WADE, San Francisco, Calif. Filed Nov. 19, 1923. Serial No. 7,811. Term of patent 7 years.



The ornamental design for a flower doll, as shown.

64,221. FLOWER DOLL. KATHERINE W. WADE, San Francisco, Calif. Filed Nov. 19, 1923. Serial No. 7,812. Term of patent 7 years.



The ornamental design for a flower doll, as shown.

64,222. PENDANT. ALBERT L. WHITE, Yuma, Ariz. Filed Sept. 13, 1923. Serial No. 7,193. Term of patent 3½ years.



The ornamental design for a pendant, as shown.

64,223. PHONOGRAPH CABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora, Inc., a Corporation of New York. Filed Aug. 1, 1923. Serial No. 6,912. Term of patent 7 years.



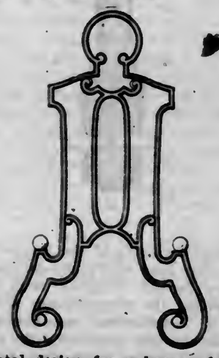
The ornamental design for a phonograph cabinet, substantially as shown.

64,224. HANGER FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 13, 1923. Serial No. 7,750. Term of patent 7 years.



The ornamental design for a hanger for lighting fixtures, as shown.

64,225. HANGER FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 13, 1923. Serial No. 7,751. Term of patent 7 years.



The ornamental design for a hanger for lighting fixtures, as shown.

64,226. LAMP STANDARD. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 13, 1923. Serial No. 7,752. Term of patent 7 years.



The ornamental design for lamp standard, as shown.

64,227. GLOBE HOLDER FOR LIGHTING FIXTURES. FRANK YOKEL, Avalon, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 13, 1923. Serial No. 7,753. Term of patent 3½ years.



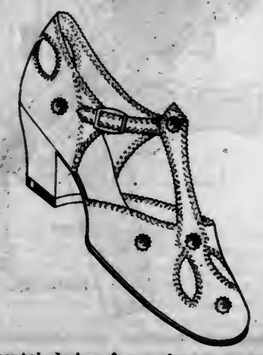
The ornamental design for a globe holder for lighting fixtures, as shown.

64,228. SHOE. HARRY SMOLEN, Brooklyn, N. Y. Filed Jan. 24, 1924. Serial No. 8,386. Term of patent 3½ years.



The ornamental design for a shoe as shown.

64,229. SHOE. HARRY SMOLEN, Brooklyn, N. Y. Filed Jan. 24, 1924. Serial No. 8,387. Term of patent 3½ years.

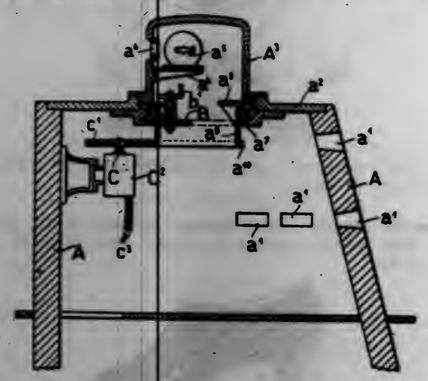


The ornamental design for a shoe, as shown.

PATENTS

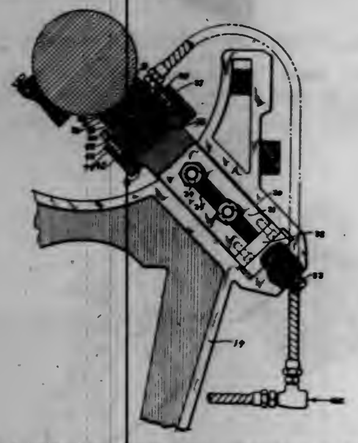
GRANTED MARCH 11, 1924.

1,486,114. CONNING TURRET. WALTHER AKEMANN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Jan. 3, 1921. Serial No. 434,633. 4 Claims. (Cl. 89—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



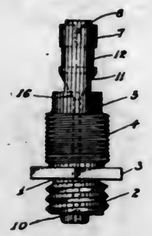
1. An arrangement of the class described comprising a conning turret, a rotatable cupola mounted upon said turret, a sighting device and stabilizing means therefor supported in said cupola, means for rotating said cupola and rotating therewith, and means initiated by the rotation of said cupola for laterally training guns.

1,486,115. BALANCING-MACHINE BEARING. ROBERT C. ALLEN, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1921. Serial No. 434,604. 11 Claims. (Cl. 64—24.)



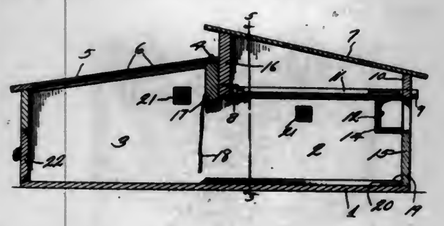
1. In a balancing machine, the combination of an element limited to one degree of freedom of motion, a supporting bearing carried by the element for supporting the body to be balanced including a plurality of rocker segments having bearing faces adapted to cooperate with the journal portion of a body to be balanced, and means for supplying oil to the faces of the segments, the segments adapted to rock upon rotation of the body, whereby circumferentially-extending, load-sustaining wedge-shaped oil films are formed between the journal portion of the body and the bearing faces.

1,486,116. AUTOMATIC VALVE. JAMES B. ANDERSON, Pittsburgh, Pa., assignor to Pumpless Blow Torch Company, Pittsburgh, Pa. Filed Apr. 12, 1923. Serial No. 631,557. 7 Claims. (Cl. 251—127.)



1. In an automatic valve of the character described, a valve-body; a valve-head of cylindro-conical shape; a plurality of guides formed integrally with the valve-body and partly engaging the circumference of said valve-head for guiding the longitudinal movements thereof, and means for simultaneously preventing the rotation of said valve-head and limiting the longitudinal movements thereof.

1,486,117. CHICKEN BROODER. RICHARD ASCHENBACH, Sheboygan, Wis. Filed Apr. 12, 1923. Serial No. 631,614. 2 Claims. (Cl. 119—34.)



1. The combination with a brooder chamber, said chamber being formed by walls and a floor, of a U-shaped member disposed within the chamber in engagement with the floor and walls, the inner sides of the U-shaped member being bevelled and inclining downwardly and inwardly.

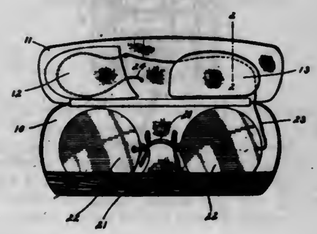
2. A brooder comprising a body member having a brooder compartment and a runway compartment, a removable cover carried by the brooder compartment, said cover being provided with a U-shaped pipe having its arms extending through the outer wall of the cover, a centrally disposed pipe carried by the U-shaped pipe in parallel relation to the arms thereof, a lamp receiving casing carried by the centrally disposed pipe, said casing when the cover is positioned on the body member being received in a casing carried by the end wall of the body member.

1,486,118. FOLDING SHOE-POLISHING STAND. JAMES HERBERT BAIN, West Cheshire, Conn. Filed Sept. 12, 1922. Serial No. 587,671. 1 Claim. (Cl. 15—265.)



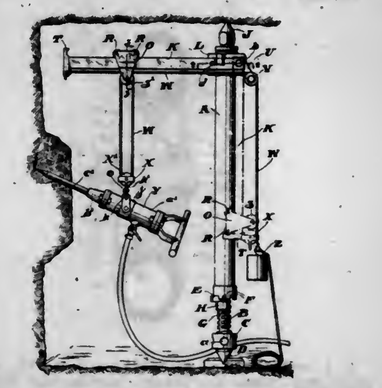
In a folding shoe-polishing stand, the combination with a foot-plate provided at its forward end with a pair of forwardly-raked and laterally-spread, depending, integral mounting-arms and at its rear end with a complementary pair of rearwardly-raked and laterally-spread, integral, depending mounting-arms, each of the said arms having a horizontal perforation, a positive stop and a retaining-boss, the said stop and boss of each arm being located below the perforation thereof; of one-piece rear and forward wire-supports, each comprising a bottom-reach and two inwardly-inclined yielding arms, the latter terminating at their upper ends in inwardly-turned trunnions entering the perforations of the mounting-arms, the stops and bosses whereof are spaced apart so as to receive between them the upper ends of the yielding arms of the supports when the same are in their open or raked positions.

1,486,119. EYEGLASS CASE. NELSON M. BAKER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed June 18, 1923. Serial No. 646,076. 3 Claims. (Cl. 206—5.)



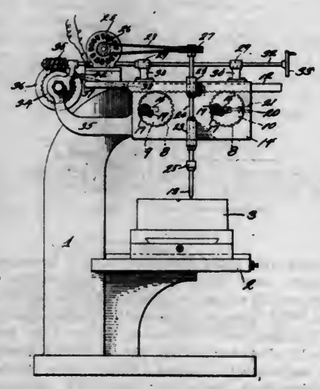
1. An eyeglass case of the character described, comprising a body portion, a top hingedly secured thereto, a retaining member for the eyeglass holding means mounted in the top adjacent one end thereof, and a chain receiving member secured to the top, said chain receiving member being formed of superimposed plates, the outer one of which has its peripheral edges extending beyond those of the inner plate.

1,486,120. MOUNTING FOR ROCK DRILLS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 28, 1923. Serial No. 635,383. 4 Claims. (Cl. 255—53.)



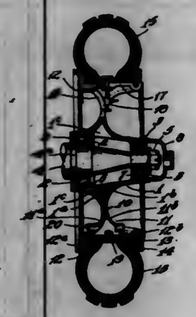
4. The combination with a vertically adjustable column, a block pivotally mounted theeron, a bar pivotally connected to the block, means for locking the bar at right angles to the column, of a mounting for a rock drill, comprising a traveler movable longitudinally along the bar, sheaves mounted on the traveler, a pulley adapted to be attached to the rock drill, a cable secured at one end of the bar and passing around the sheaves and pulley, and a counter-balance weight adapted to be attached to the cable, whereby the rock drill may be supported at any desired vertical height below the level of the bar.

1,486,121. DIESINKING MACHINE. FRANK O. BECKNER, South Bend, Ind. Filed Jan. 3, 1922. Serial No. 526,677. 6 Claims. (Cl. 90—15.)



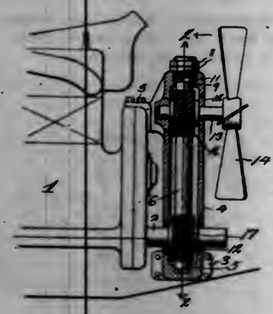
1. A die sinking machine comprising a frame, spaced gears carried by said frame, a rack bar meshing with said gears, a member pivotally connected to the gears at points spaced from their centers, a cutting element carried by said member, and means for moving the rack bar longitudinally, said means comprising a rotatable member, and a connecting bar connecting the rotatable member to the rack, said connecting bar being connected to the rotatable member at a point spaced from its center.

1,486,122. WHEEL. MERTON H. BLANK and ARTHUR H. EDGERTON, Cleveland, Ohio, assignors, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio, a Corporation of Delaware. Filed July 3, 1919. Serial No. 308,483. 6 Claims. (Cl. 301—65.)



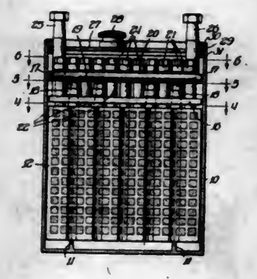
1. A cast metal wheel having a hub with outwardly converging inside and outside sections, an annular web joining the converging hub sections at their junction, a felly with inside and outside disc sections diverging outwardly from their junction with the outer edge of the web, said hub, web and felly parts being cast in one, and a metal rim surrounding the felly and engaging directly with the said diverging sections, the rim and felly forming a hollow structure substantially triangular in radial section.

1,486,123. ENGINE COOLING FAN. JOSEPH L. BOLBY and BURRIS E. FELTS, King City, Mo. Filed Apr. 6, 1920. Serial No. 371,595. 1 Claim. (Cl. 230—1.)



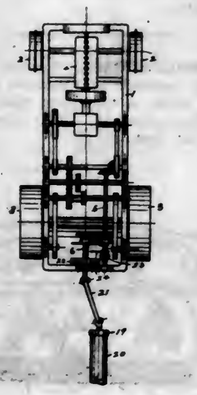
A cooling fan being provided with a horizontally disposed shaft, said shaft rotatably mounted in bearings of a segmentally shaped casing, a rotatable shaft rotatably mounted in a second segmentally shaped casing, a vertically disposed shaft rotatably mounted in bearings of a vertically disposed casing, the rotatable shafts carried by the segmentally shaped casings and provided with gear connections with the vertically disposed shaft, means for securing said segmentally shaped casing to the vertically disposed casing, anti-frictional means for supporting the ends of the vertically disposed shaft, adjusting means cooperating with one end of a vertically disposed shaft and forming means whereby wear may be taken up, the upper anti-frictional bearing being disposed in an opening in the casing of greater size than the gears carried by the vertically disposed shaft, thereby allowing said shaft and its gears to be removed from the casing through said opening.

1,486,124. STORAGE-BATTERY CONSTRUCTION. CLARENCE H. BONG and CARL P. SORENSEN, Chicago, Ill., assignors to Bong Battery Corporation, Chicago, Ill., a Corporation of Delaware. Filed Aug. 4, 1921. Serial No. 489,924. 11 Claims. (Cl. 204—29.)



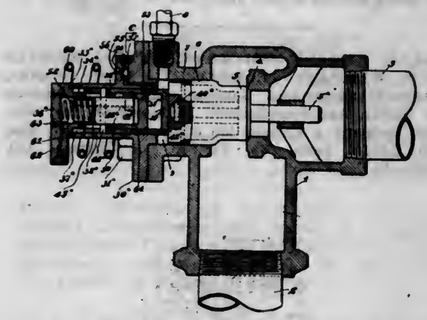
1. Storage battery construction, comprising a jar having negative elements and positive elements within said jar, connecting means for electrically connecting and holding all of said negative elements together, and connecting means independent of said first mentioned connecting means for electrically connecting and releasably holding all of said positive elements together, whereby one of said sets of elements may be removed without disturbing the other set of elements, said connecting means being located within said jar.

1,486,125. MACHINE FOR UNITING PIPE SECTIONS. JESSE E. CROCKETT, Humble, Tex. Filed Aug. 2, 1920. Serial No. 400,812. 2 Claims. (Cl. 81—57.)



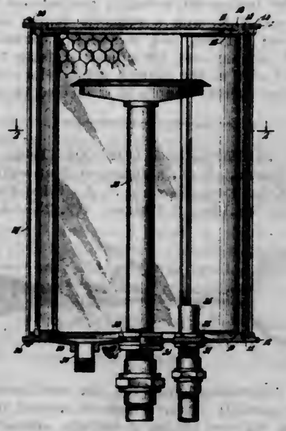
1. In apparatus for screwing together sections of pipe, a driving member adapted to be placed in operative connection with a source of power, a pipe engaging head, a driven member in operative connection with said head, a clutch whereby said driving member may be placed in operative connection with said driven member and arranged to deliver only a predetermined amount of power from the former to the latter, and a driving connection by which said driving member may be positively placed in operative connection with the driven member.

1,486,126. SAFETY-VALVE RETARDING MECHANISM. PHILIP G. DARLING, Bridgeport, Conn., assignor to Manning, Maxwell & Moore Inc., New York, N. Y., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,194. 13 Claims. (Cl. 137—53.)



1. In combination with a safety valve for steam boilers, a controlling device for such valve comprising a movable element, and means whereby water of condensation from boiler steam is automatically admitted to one side of said element whereby to retard the movement thereof.

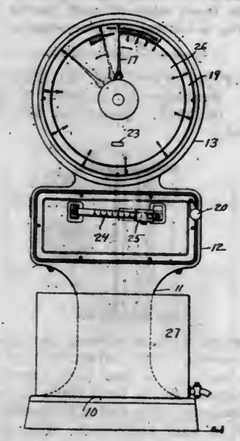
1,486,127. VISIBLE TANK FOR GASOLINE PUMPS. ARTHUR E. DAVENPORT, Brooklyn, N. Y., assignor to The Texas Company, a Corporation of Texas. Filed June 11, 1919. Serial No. 303,442. 4 Claims. (Cl. 220—82.)



1. A visible measuring tank for dispensing liquids comprising a fluid-tight chamber having a metal head with an annular groove formed therein near its edge, a spaced ring or circular frame having a corresponding annular groove, and a plurality of cylindrically curved segments, some of which are glass, sealed into the grooves, and a glass top plate seated on the ring or frame.

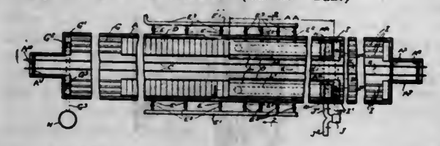
1,486,128. ON-AND-OFF WEIGHING SCALE. EARL R. DIEMER, Pittsburgh, Pa., and LOUIS A. OSGOOD, Dayton, Ohio, assignors to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed Nov. 20, 1920. Serial No. 425,418. 7 Claims. (Cl. 265—62.)

1. In a weighing scale, in combination with a scale beam, automatic counterbalancing means and a movable weight indicating device, of fixed complementary dials cooperating with the indicating device and a supplemental manually operable counterpoise arranged to act



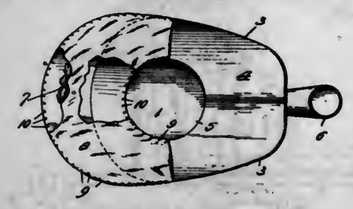
cumulatively with the load to shift the indicating device towards the zero of one dial and away from the zero of the other dial.

1,486,129. METHOD OF AND APPARATUS FOR FLASHING BRICK. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1920, Serial No. 382,003. Renewed July 17, 1923. 5 Claims. (Cl. 25—142.)



1. The method of flashing brick in a continuous muffle heated kiln which consists in passing fuel and air for its partial combustion into a high temperature portion of the kiln chamber to thereby maintain a reducing gas atmosphere in said kiln chamber portion and in the portion of the cooling zone of the kiln in which the brick are at a temperature high enough to result in surface oxidation if exposed to an oxidizing atmosphere.

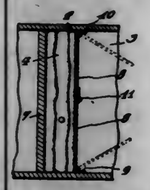
1,486,130. RECEPTACLE. MARY C. DU BOSE, Gainesville, Fla. Filed Nov. 2, 1922. Serial No. 598,634. 2 Claims. (Cl. 4—113.)



1. A receptacle of the class described in the general form of a scoop and embodying a transversely curved member forming the bottom and side walls of the receptacle, the front edge of said member being rounded and having its side edges sloping upwardly and rearwardly, a vertical rear wall at the rear edges of said curved member having a rearwardly extending inlet tube, and

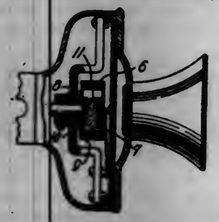
a rearwardly and upwardly sloping top wall of concave form and having its front edge rounded and spaced inwardly of the front edge of said curved member, said top wall having a central circular opening.

1,486,131. APPARATUS FOR SALVAGING SUNKEN VESSELS. STEPHEN A. DUTTON, Philadelphia, Pa. Filed Sept. 16, 1921. Serial No. 501,133. 1 Claim. (Cl. 114—54.)



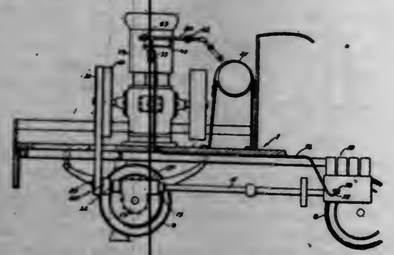
In combination with a vertical partition or wall of a ship's state-room, of an inflatable bag held collapsed against said wall by a two part partition hinged at its top and bottom, means for locking the parts together, and means connected with the bag extending through the exterior wall of said state-room, whereby air may be forced into said bag to force the water from the state-room to raise the ship, should it be sunk.

1,486,132. TELEPHONE-TRANSMITTER BUTTON. HENRY C. EGERTON, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,323. 1 Claim. (Cl. 179—122.)



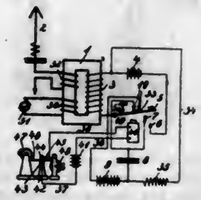
A telephone button comprising a cup formed of phenol condensation product, said cup having a bottom responsive to sound vibrations, a substantially rigid marginal wall integral with said bottom, and a flexible cover of similar material, said cover having a threaded flange integral therewith and engaging the wall of the cup to secure said cover thereto.

1,486,133. PORTABLE COMPRESSOR UNIT. LA RUE B. ELLIOT and JAMES P. KILROY, Chicago, Ill. Filed May 13, 1922. Serial No. 560,572. 2 Claims. (Cl. 180—53.)



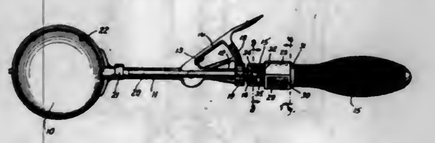
1. The combination with a motor vehicle having a main drive shaft, a housing enclosing the rear end of said shaft and having an open rear end, the rear end of said shaft being externally screw-threaded; of a power attachment comprising a stud shaft having an internally threaded bore at its forward end adapted to receive the screw-threaded rear end of the main shaft, a sleeve arranged to be secured upon the rear end of the housing, and a bearing in said sleeve for the stud shaft.

1,486,134. MEANS FOR TRANSMITTING SIGNALS FOR WIRELESS TELEGRAPHY. HANS GERDIEN, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Nov. 30, 1921. Serial No. 518,846. 3 Claims. (Cl. 250—19.)



1. Means for transmitting radio signals through an antenna, comprising an iron core having a coil, connected into the antenna circuit, a generator adapted to permanently supply radio frequency currents, a second coil on said iron core connected to said generator for supplying current to the antenna, a direct current coil on said iron core, means for supplying low potential direct current to said coil to vary the saturation of said core for tuning and detuning the antenna during the signaling operation, and a separate source of high potential direct current, and means for connecting it to said direct current coil for quickly raising the saturation of said core to the desired point before the low potential direct current supply is connected to said coil.

1,486,135. DISPENSING-SCOOP COUNTER. FRANK A. HAGEL, Newark, N. J., assignor of four-tenths to Walter H. Dickenhorst, Newark, N. J. Filed Dec. 1, 1922. Serial No. 604,130. 2 Claims. (Cl. 235—91.)

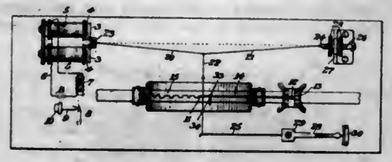


1. In a dispensing apparatus, the combination with a handle, a partially rotative element carried thereby and a counting register having a spindle extending at one end, of a pair of opposed prongs projecting outwardly from said spindle, means carried by said element adapted to engage said prongs near the limit of its movement to transmit a partial rotary motion to said spindle, and means actuated by said spindle for advancing said counting register.

1,486,136. INDICATOR. RAY EDWIN HALL, Chicago, Ill. Filed Jan. 8, 1920. Serial No. 350,162. 11 Claims. (Cl. 178—91.)

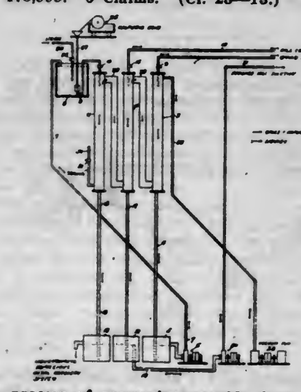
1. A receiving apparatus including a polarized electromagnet, an armature continuously attracted thereby; and means for varying the attraction of said electromagnet in accordance with the received signals, in combination with a flexible tension member stretched between the armature and a fixed abutment to restrain and limit movement of the armature toward the electromagnet

poles; and a delicately adjustable spring element laterally applied to deflect an intermediate portion of the



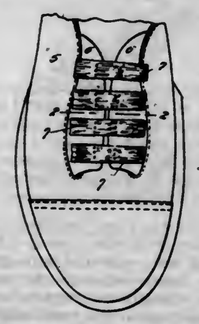
said tension member through a small angle and a non-resilient indicating element acuated by the magnified motion of the deflected portion of the tension member.

1,486,137. PROCESS OF RECOVERING CYANIDE. ARTHUR L. HALVORSEN, Perth Amboy, N. J., assignor to The Merrill Company, San Francisco, Calif., a Corporation of California. Filed June 20, 1921. Serial No. 478,995. 6 Claims. (Cl. 23—13.)



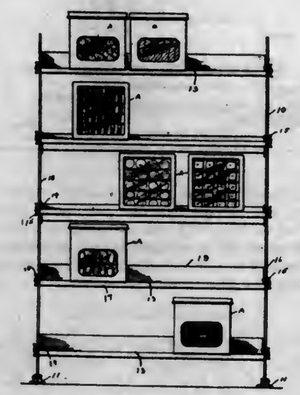
1. A process of recovering cyanide from cyanide-containing mill solution which comprises introducing a warm cyanide solution with sufficient acid to acidify the same, into a vacuum receptacle, and allowing the same to boil therein, bringing the resulting gases and vapors, while under pressure below atmospheric, into contact with an alkaline absorbent liquor to absorb the hydrocyanic acid therefrom, bringing the remaining vapors containing steam into contact with ingoing mill solution, each of said steps being operated continuously.

1,486,138. CLOSURE FASTENER FOR SHOES. ALBERT CLARENCE HANSON, Fort Wayne, Ind. Filed Sept. 27, 1923. Serial No. 665,050. 2 Claims. (Cl. 24—140.)



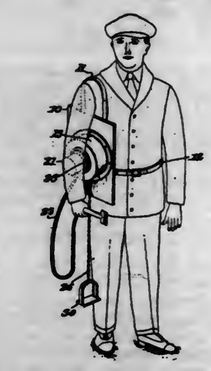
1. In a closure fastener for shoes, an elastic member having eye members attached to the under sides thereof inwardly of the ends of the same, said elastic member embodying a piece of elastic tape folded to provide a unit having three plies to simulate the appearance of a fold.

1,486,139. DISPLAY RACK. ROBERT Q. HERRING and ANDREW M. GRAY, Baltimore, Md., assignors to Maryland Biscuit Company. Filed Mar. 21, 1923. Serial No. 626,684. 2 Claims. (Cl. 211—14.)



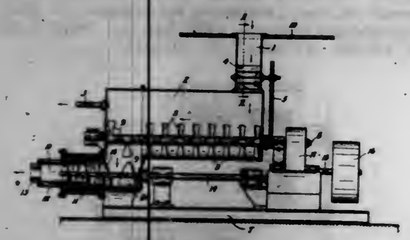
1. A metal display rack comprising a pair of substantially inverted U-shaped uprights, shoes secured to the terminals of said uprights, shelves including depending side flanges and front flange secured between the uprights, removable means extending through the uprights and side flanges of the shelves adjacent the forward ends thereof to support the shelves between the uprights, an upstanding rear flange on said shelves, side attaching flanges formed on said rear flange and at right angles thereto, and means extending through said side attaching flanges and uprights whereby said shelves may be moved and held in different adjusted positions relative to said uprights.

1,486,140. HEDGE TRIMMER OR THE LIKE. JOHN J. HICKEY, Washington, D. C. Filed May 21, 1923. Serial No. 640,500. 4 Claims. (Cl. 185—39.)



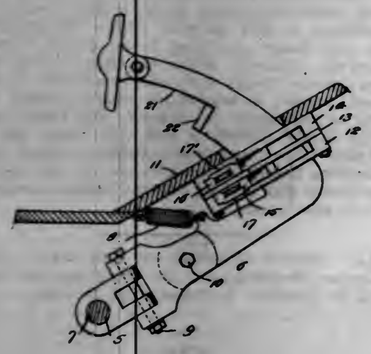
1. A hedge trimmer or the like comprising, in combination, a plate adapted to be supported upon the person of the user, a spring motor carried by said plate, a flexible shaft adapted to be operated by said motor, an implement upon said shaft, and means operable by the foot of the user for storing power for actuation of said motor.

1,486,141. PROCESS OF TREATING PEAT. HENRY H. HINDSHAW, St. Paul, Minn., assignor to Hindshaw Engineering and Development Company, St. Paul, Minn., a Corporation of Minnesota. Filed Mar. 2, 1922. Serial No. 540,440. 4 Claims. (Cl. 44—27.)



1. The process of treating raw peat, which consists in agitating and mixing the raw peat in a substantially closed vessel to break up the air and moisture cavities therein, drawing air from said vessel, artificially to dry said peat and then compressing the peat into a compact mass to form the final product.

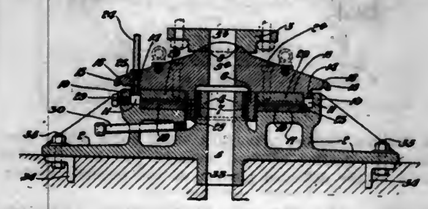
1,486,142. FOOT-OPERATED CLUTCH-RELEASE AND GEAR-SHIFT MECHANISM. ERNEST HOSCH, Ventura, Calif. Filed Aug. 29, 1923. Serial No. 659,949. 3 Claims. (Cl. 74—81.)



1. In combination with the usual transmission mechanism of a motor vehicle, wherein sliding of a pair of members in opposite directions effects change in forward speeds or reverse, a pair of slides, a depressible clutch pedal jointed to swing laterally, and means associated with said slides and with said clutch pedal for selectively changing said gears in response to a predetermined positioning of said clutch pedal by lateral swinging thereof.

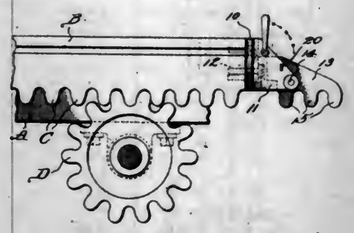
1,486,143. CENTER BEARING. OTIS E. HOVEY, New York, N. Y. Filed Mar. 24, 1923. Serial No. 627,441. 8 Claims. (Cl. 64—84.)

1. A center bearing comprising a housing composed of upper and lower box members, a centrally arranged cylindrical post formed integral with and projecting upwardly from the inside bottom face of said lower box member, a centrally arranged cylindrical hollow post formed integral with and depending from the inside top face of said upper box member and telescoping over said post on said lower box member, an annular bushing of anti-friction metal mounted around the post on said lower box member and adapted to form a bearing surface between said posts, an annular vertically extending flange formed on said lower box member adapted with said central posts to form an oil chamber, a pair of annular disks of anti-friction metal mounted in said housing, one of said disks being secured to the upper and the other of said disks being secured to the lower box member, radial



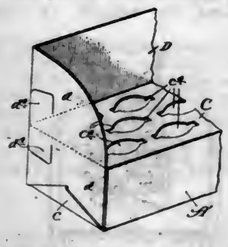
oil grooves formed in the contacting face of one of said disks, other oil grooves formed in the outer periphery of said annular bushing mounted on the post on said lower box, and means for supplying oil to said oil chamber and said grooves.

1,486,144. EXTENSION RACK. LEMUEL PIERCE JARRELL, North Birmingham, Ala. Filed July 25, 1923. Serial No. 653,797. 3 Claims. (Cl. 74—27.)



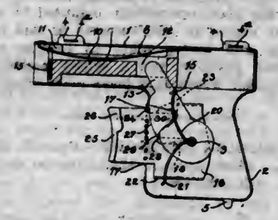
1. In combination with a planing machine table carrying a rack meshing with a drive gear; an extension rack structure comprising a bracket mounted upon the table, a yoke pivoted on the bracket, a rack member pivoted within the yoke and movable to form a continuation of the rack proper, and means for securing said rack member with respect to the yoke.

1,486,145. FOLDING PAPER CARTON. EDWARD W. JOHNSON, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a Corporation. Filed Sept. 20, 1920. Serial No. 411,453. 3 Claims. (Cl. 229—29.)



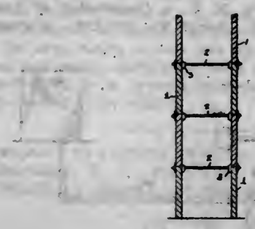
2. In a carton of the class described, the combination of a blank section comprising panels forming the top, bottom, front and rear walls of a rectangular shell, and having end flaps interlocked with one another, another blank section comprising three panels, one of which folds up against the rear wall of the rectangular shell and has a flap at each end extending forwardly along and interlocked with the corresponding end of the rectangular shell, another panel of said section extending over the top of the shell, and the third panel of said section being extended downwardly along the front wall of the shell and having a flap at each end interlocked with the corresponding end flap of the first mentioned panel of the latter section.

1,486,146. TOY PISTOL. ALFRED C. JONASSEN, New York, N. Y., assignor of one-fourth to Harold William Anderson, Auckland, New Zealand. Filed Nov. 21, 1923. Serial No. 676,058. 11 Claims. (Cl. 124—12.)



1. A toy pistol comprising a barrel, a plunger within said barrel, a pivotal actuating lever for said plunger, a member adapted to be moved relatively to said actuating lever, a spring associated with said actuating lever, means whereby said member is adapted upon an initial movement thereof to directly engage said lever and thereby to move the same into a cocked position and to impart tension to said spring, means whereby said actuating lever is adapted to directly engage said member when it is moved into its cocked position and thereby to mutually lock itself and said member in such position, and means whereby said member is adapted on further actuation thereof to further directly engage said actuating lever and thereby to move it into such a position that it may be freely actuated by said tensioned spring to effect the operation of said plunger.

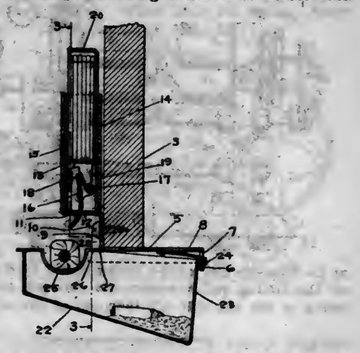
1,486,147. COMBINED BRACE AND TIE ROD FOR CONCRETE FORMS. THOMAS KELLY, Cleveland, Ohio. Filed Mar. 28, 1923. Serial No. 628,208. 4 Claims. (Cl. 25—131.)



1. In a device of the character described, the combination with a rod; of a lock adapted to secure an end of such rod to the wall of a form or the like, such lock including a housing, a keeper movably mounted therein, said keeper and such rod-end being formed for hooking inter-engagement in one position of said keeper, and positively acting means for maintaining said keeper in such position.

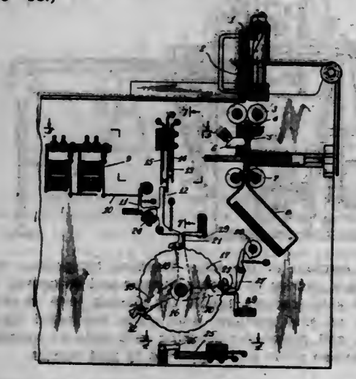
1,486,148. MATCH, CIGAR, AND ASH HOLDER. ARCHIE P. LAGO, Minneapolis, Minn. Filed June 6, 1921. Serial No. 476,267. 7 Claims. (Cl. 206—30.)

1. A device of the class described adapted to be attached to a vehicle instrument board and comprising a waste receptacle arranged beneath said board and extending in the front and the rear thereof, and removably connected thereto, the forward portion of said receptacle having an opening for the deposit of ashes and other waste, and said receptacle being mounted to direct such



waste to a point under said board where it will be concealed from the vehicle riders and a match holder above and adjacent the forward portion of said receptacle.

1,486,149. SINGLE BRUSH AUTOMATIC CONTROL FOR TABULATING MACHINES. CLAIR DENNISON LAKE, Binghamton, N. Y., assignor to The Tabulating Machine Company, a Corporation of New Jersey. Filed Apr. 30, 1921. Serial No. 465,869. 10 Claims. (Cl. 235—58.)

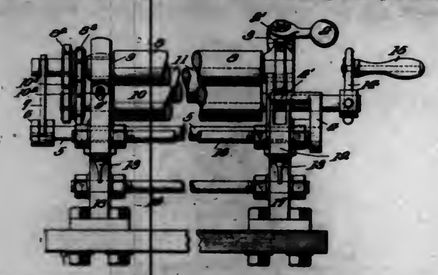


1. In a delayed action tabulator in which the result of a brush contact through one card is completed at a corresponding instant with reference to the next succeeding card, the combination with the means responsive to a brush contact for setting up the tabulator mechanism, and with the means for causing said set up mechanism to subsequently complete the operation corresponding to such brush contact, of circuit closing contacts, a motor control circuit which is controlled by such contacts and completed only when such contacts are not simultaneously closed.

1,486,150. SHEET-METAL-BENDING ROLL. CHARLES F. LANOUETTE, St. Albans, Vt., assignor to Foundry Manufacturing Co. Inc., St. Albans, Vt., a Corporation of Vermont. Filed Apr. 19, 1923. Serial No. 633,231. 4 Claims. (Cl. 153—61.)

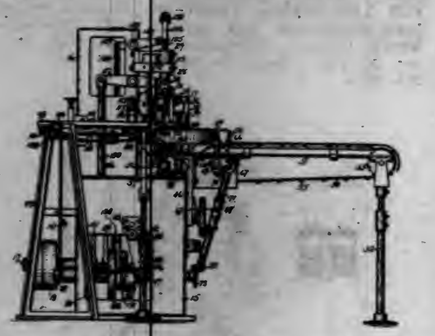
1. In sheet metal bending rolls, the combination with a frame, a tilting roll having a rocking bearing at one end, half bearings at the opposite or lifting end, and a vertically and forwardly swinging locking cap having one of said half bearings for said lifting end, and means for locking the cap in place, of a rock shaft journalled in the ends of the frame below the rolls and provided at

one end with a forwardly projecting crank arm or cam in the downward path of the swinging cap and provided



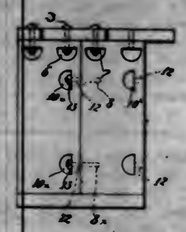
at its opposite end with a crank linked to the pivotal end of the lifting roll whereby the forward and downward swing of the cap will lift that end of the roll.

1,486,151. MACHINE FOR CLOSING THE ENDS OF CARTONS. REX W. MCINTYRE, South Manchester, Conn., assignor to The Orford Soap Company, Manchester, Conn., a Corporation of Connecticut. Filed Apr. 17, 1922. Serial No. 554,130. 32 Claims. (Cl. 93—55.)



1. A machine of the class described comprising carton stations, a carrier to receive cartons and to convey them between said stations, means for placing ends on cartons at one of said stations and while supported by said carrier, and means for securing said ends at another of said stations while still supported by said carrier.

1,486,152. CONCRETE-SLAB BUILDING. NICHOLAS J. MASCIO, New York, N. Y. Filed Mar. 12, 1923. Serial No. 624,329. 2 Claims. (Cl. 72—16.)



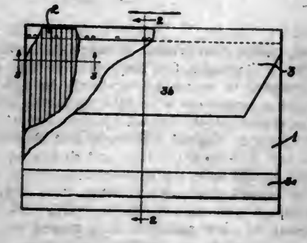
1. In a concrete slab building, a series of concrete slabs placed edge to edge, forming a wall construction, a bolt held by each slab and projecting from its side edge and also projecting into a side edge aperture formed in a contiguous slab, said contiguous slab having formed therein a side wall pocket into which said bolt projects, and a nut on said bolt and engaging a wall of said pocket.

1,486,153. LINGERIE CLASP. JAMES H. MILLIGAN, Highland Beach, R. I. Filed Oct. 29, 1923. Serial No. 671,389. 3 Claims. (Cl. 24—252.)



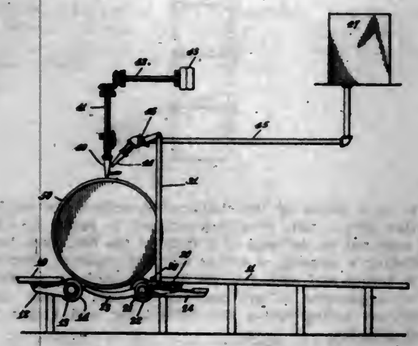
1. A lingerie clasp comprising a trough-shaped body, a back plate secured to said body and provided with an opening with laterally-extending hinge-receiving recesses, a spring plate operatively mounted in said body, a clamp lever hinged in said recesses in said back plate and engaging said spring plate to tension said lever when in closed position, and a raised member on said back plate against which said lever rests when closed.

1,486,154. MAILING ENVELOPE. PAUL F. MILNARIST, Joliet, Ill. Filed Aug. 7, 1922. Serial No. 580,275. 2 Claims. (Cl. 229—68.)



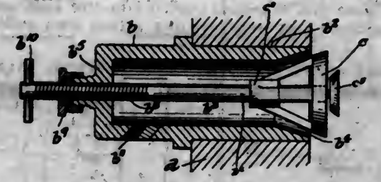
1. An envelope, comprising one wall formed of corrugated board, the other wall formed of flexible material fixed to said corrugated board so as to fold over and enclose one face of the latter, and supplemental reenforcing strips attached to the exterior of said board transverse of its corrugations.

1,486,155. BARREL-REAMING MACHINE. ARTHUR M. MORGAN, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Jan. 3, 1922. Serial No. 526,725. 4 Claims. (Cl. 144—93.)



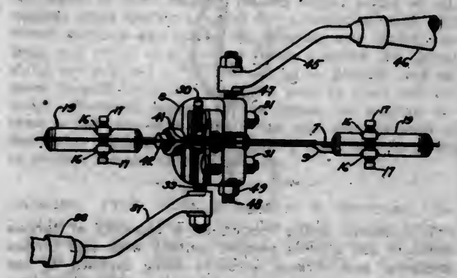
1. Apparatus for reaming the bung hole of a barrel comprising a reaming tool, driving means for operating the tool, rotatable rollers for positioning the barrel proximate to the tool, means for ejecting the barrel comprising a pair of arms positioned beneath the barrel, a lever for raising the arms to eject the barrel, and means for automatically applying a cleaning fluid to the reaming tool when said ejecting lever is operated.

1,486,156. HYDROCARBON BURNER. JOSEPH NEEDHAM, Passaic, N. J. Filed Aug. 13, 1919, Serial No. 317,251. Renewed Jan. 21, 1924. 1 Claim. (Cl. 299—136.)



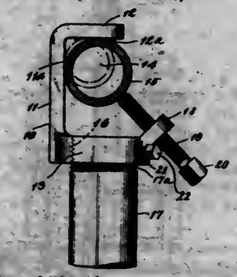
A hydrocarbon burner device provided with a fuel port or passage, means whereby a hydrocarbon mixture may be supplied to one end portion of said port or passage and discharged from the other end thereof, a valve device adjustable relatively to the discharge end of said port or passage and provided with an aperture, and a supplemental valve adjustable relatively to said aperture, said valve device and said supplemental valve being adapted to control the discharge of the hydrocarbon mixture from said port or passage.

1,486,157. SAW-TOOTH SHAPER. LOUIS OLSON, Minneapolis, Minn. Filed July 25, 1921. Serial No. 487,354. 5 Claims. (Cl. 76—60.)



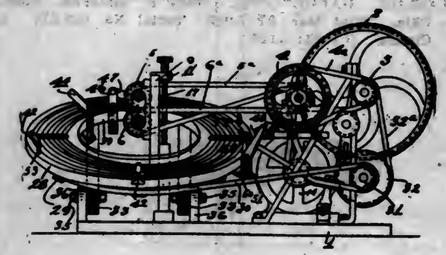
1. A saw-tooth shaper having a frame, means carried by the frame to attach the frame to a saw, a pair of co-operable dies mounted on the frame, said dies having convex tapered terminal working portions with their axes disposed in substantial parallelism with the plane of the saw, means to lock one die in adjusted set position, and means operable to move the other die to cause a saw-tooth to be pressed between the tapered portions and thereby to be shaped.

1,486,158. CLAMPING DEVICE. WILLIAM E. PRICE, Hartsdale, N. Y. Filed June 20, 1922. Serial No. 569,652. 5 Claims. (Cl. 287—54.)



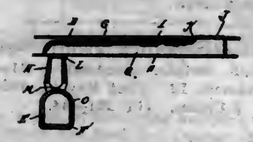
1. In a device of the character described, a pair of spaced jaws, one of said jaws having an opening therein adapted to receive a connecting element, and an angular lug member extending from said jaw and a clamping member adapted to operate in said lug member.

1,486,159. BREAST-TRIMMING MACHINE. GEORGE C. REEVES, JOHN C. HINTZ, and REES REYNON, Chicago, Ill., assignors to Dryden Rubber Company, a Corporation of Illinois. Filed May 11, 1922. Serial No. 559,988. 10 Claims. (Cl. 164—63.)



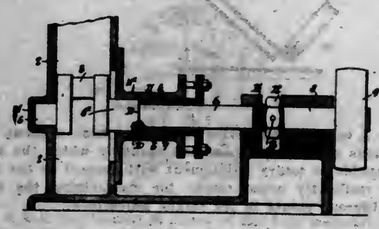
1. In the heel trimming machine, a rotary ring-like conveyer, means for adjustably supporting the same in inclined position, a plurality of rotary cutting elements supported within said ring-like conveyer, and means for operating said conveyer and elements for the purpose set forth.

1,486,160. GASLIGHTER. WILLIAM V. ROBINSON, Owosso, Mich., assignor to The Independent Stove Company, Owosso, Mich., a Corporation of Michigan. Filed June 12, 1922. Serial No. 567,638. 6 Claims. (Cl. 158—115.)



6. The combination with superposed ovens, of a hollow partition for separating the same, a burner arranged in the lower oven beneath and adjacent to said partition, said burner having an upwardly directed jet opening, and means within said hollow partition in communication with an aperture in the lower wall of said partition and with said jet opening, said means also being in communication with an aperture in the upper wall of said partition to discharge the jets into said upper oven.

1,486,161. SHAFT-BEARING SEAL. ARTHUR G. ROSS, Vancouver, British Columbia, Canada. Filed Oct. 11, 1922. Serial No. 593,932. 8 Claims. (Cl. 286—7.)



1. Means for sealing a shaft against leakage past it while its gland is being repacked, said means comprising the combination with a shaft and a bearing therefor which is gland-packed to prevent leakage past it and which is provided with a shoulder, said shaft having a shoulder adapted to seat against said shoulder in the bearing, and means on the outer end of the shaft for

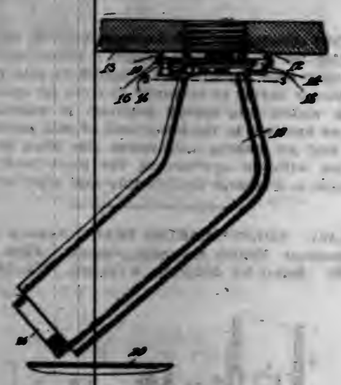
normally maintaining the shoulder of the shaft clear of the shoulder of the bearing and for drawing the shoulder of the shaft tightly into contact with the shoulder of the bearing.

1,486,162. GAUGE COCK. JOHN E. SHAFFER, Tulsa, Okla. Filed Mar. 31, 1923. Serial No. 629,017. 2 Claims. (Cl. 251—126.)



2. A gauge cock comprising a weighted handle provided with a cylindrical valve cavity therein and an elongated slot opening into said cavity, a spindle rigid with said handle and centrally positioned in said cavity, a valve loosely mounted on said spindle and provided with a radial flange adapted to bear against said handle about said cavity, a nut screwed on said spindle for clamping said flange against said handle whereby said valve is held suspended in said cavity without touching the walls thereof, and a steam discharge nozzle projecting in said elongated slot and adapted to bear against the periphery of said valve and to make indentations therein, and means for pivotally connecting said handle to said nozzle.

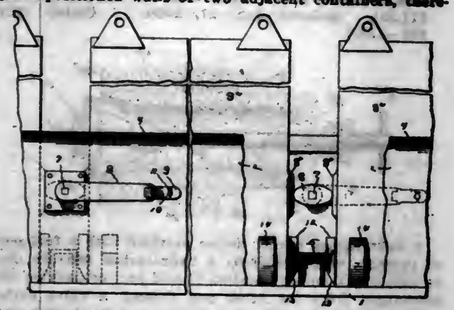
1,486,163. RAIL-SANDER SPOUT. FRANK SMELIK, Nokomis, Ill., assignor of one-half to Edward H. Hebenstreit, Nokomis, Ill. Filed May 21, 1923. Serial No. 640,504. 5 Claims. (Cl. 291—44.)



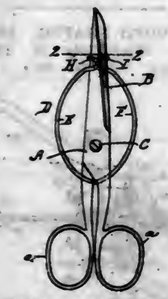
1. A rail sanding device including a base, a spout, connections between the base and spout by which the spout is capable of rotary adjustment with respect to the base, and resiliently urged means for maintaining the spout at different points in its rotary adjustment.

1,486,164. COMPARTMENT FREIGHT CAR. ALFRED H. SMITH, Chappaqua, N. Y. Filed Dec. 21, 1921. Serial No. 524,034. 9 Claims. (Cl. 105—366.)

1. The combination with a carrier having a platform, bulkheads extending vertically from said platform, containers on said platform back of said bulkheads, of means pivotally mounted on oppositely disposed bulkheads, and in locked position extending from one to the other of juxta-positioned walls of two adjacent containers, thereby spacing the containers apart and holding them against shifting and rocking on the platform.

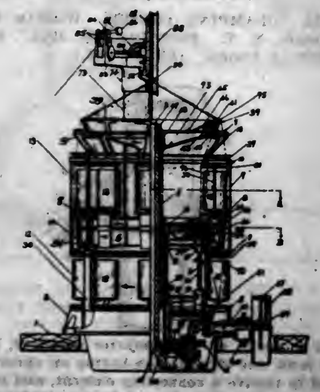


1,486,165. SCISSORS AND SHEARS. ALLAN W. SMITH, Brooklyn, N. Y. Filed May 5, 1920. Serial No. 379,004. 9 Claims. (Cl. 30—18.)



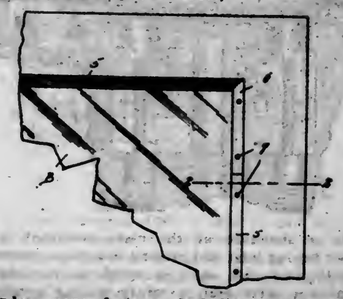
1. A shears spring comprising a plurality of torsion members and a cross member unitary with said torsion members, said torsion members being inclined to the length of said cross member and each torsion member being provided at its free end with a clip positioned in a different plane from the plane of the torsion member and engageable with a rear edge of a shears blade for twisting said torsion member and imparting a desired torque thereto.

1,486,166. BRAIDING MACHINE. EDWARD K. STANDISH, Dorchester, Mass. Filed Dec. 16, 1922. Serial No. 607,429. 40 Claims. (Cl. 96—7.)



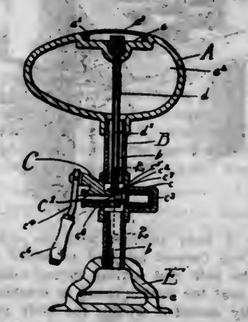
7. In a braiding machine having an inner and outer set of yarn supplies adapted to move in opposite directions; means permitting the yarn from said outer supplies to pass freely on either side of each inner supply during said movement; said means comprising rollers attached to the inner yarn supplies, pushing rollers contacting therewith, notches in the periphery of one set of rollers, discs with said rollers, notches in said discs, and a guiding plate moving with said inner yarn supplies.

1,486,167. WINDOWPANE FASTENER. PHILIP STEFAN, Moundsville, W. Va. Filed Feb. 26, 1923. Serial No. 621,450. 1 Claim. (Cl. 20—564.)



A window pane fastener including corner sections formed of angularly arranged portions of molded rubber triangular in cross section, molded rubber strips of triangular cross section adapted for association with said corner sections, and means for applying said corner sections and strips to a window frame whereby the corner strips are adapted to be first placed in position and secured to said frame for holding a pane in place and the strips afterward applied to the frame for holding the same so that the ends of the strips will abut the ends of the corner sections, said strips being adapted for cutting to various lengths for this purpose.

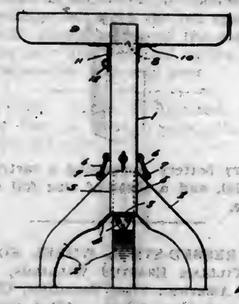
1,486,168. PUFF IRON. CLARENCE W. STRICKER, Cincinnati, Ohio, assignor to The Daly Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 9, 1920. Serial No. 394,959. 5 Claims. (Cl. 68—26.)



1. In a puff iron the combination with a head having a steam chamber therein and a steam spray discharge nozzle upon the face of the head whereby a spray chamber is formed between the head and the nozzle, of a tube extending through the steam chamber in the head and communicating at one end with the spray chamber, and a valve controlling the admission of steam to the tube.

1,486,169. TRESTLE. CHARLES M. TRAUTSCHOLD, Waco, Tex., assignor of one-half to Robert E. Pellow, Waco, Tex. Filed Sept. 9, 1922. Serial No. 587,120. 1 Claim. (Cl. 304—5.)

A trestle comprising a post, a plate connected with the bottom thereof, a leaf hinged to each edge of the plate, a leg at each side of the post having an inclined part below its inner end to which a leaf is attached, said inner end of each leg being beveled to engage the side of the post and each leg having a curved lower part, means



for holding the legs in extended position, a top piece hinged to the top of the post and a latch for holding the top piece in horizontal position.

1,486,170. FUSE. GEORGE R. TRUMBULL, Bantam, Conn., assignor to Volk Mfg. Co., Inc., Bantam, Conn., a Corporation of New Jersey. Filed May 17, 1921. Serial No. 470,257. 7 Claims. (Cl. 200—132.)



1. In a fuse, a tube of insulating material, a cap fixed at each end thereof and having a passage therethrough for a fuse strip, a screw hole in the end of said cap, a removable cap, a vent in the end of said removable cap, a baffle plate between the outer end of the fixed cap and the inner end of the removable cap, a screw for holding the removable cap in place, and a fusible element within said tube and secured at its ends by said caps, said baffle plate being seated on said fusible element and spaced thereby from said fixed cap, and a spacer between said baffle plate and said removable cap.

1,486,171. KNIT CAP AND METHOD OF MAKING SAME. WILLIAM E. WHITE, Milwaukee, Wis. Filed Jan. 14, 1924. Serial No. 686,116. 5 Claims. (Cl. 2—195.)



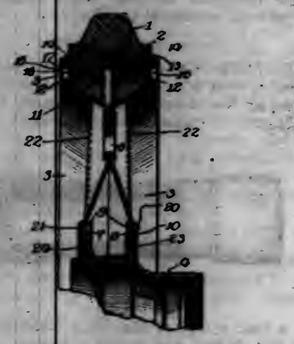
5. A knit cap formed of pieces of flat knit material comprising a body portion formed of a rectangular piece of material having side notches and having a front vertical seam joining portions of the upper edge of said rectangular piece, and having side vertical seams joining adjacent edges of said notches, and an auxiliary piece of material having its side edges secured in said side seams whereby all of said seams are hidden by said auxiliary piece of material.

1,486,172. PRIMARY BATTERY. HENRY WILHELM, Brooklyn, N. Y. Filed Mar. 22, 1920. Serial No. 367,692. 3 Claims. (Cl. 204—39.)



1. A primary battery comprising a cartridge, an electrolyte material, and a sheet of zinc foil rolled around such cartridge.

1,486,173. PRESSED-STEEL WHEEL FOR AUTOMOBILES. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 12, 1919. Serial No. 323,316. 5 Claims. (Cl. 301—64.)



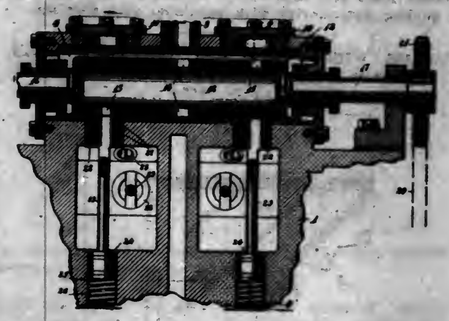
2. The combination with a hub and a broad relatively thick metal tread band centrally grooved peripherally and adapted to support a common metal tire base, of two wheel disks spaced at the hub, converging and joined together at some distance from the hub, diverging again, flanged inwardly over said band, bent marginally into said groove and integrally united by primarily fused metal filling the groove.

1,486,174. AUTOMOBILE WHEEL WITH DEMOUNTABLE RIM. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 19, 1922. Serial No. 595,592. 6 Claims. (Cl. 301—11.)



2. The combination with a pneumatic-tire rim having near one side of the tire seat a marginal gutter provided with a series of perforations, of a detachable side ring held in the gutter and having a series of perforations registering with those of the latter, a wheel body having an inclined peripheral flange fitting and detachably secured to the rear face of the gutter wall, lugs carried by the rear side of said flange, and bolts securing together the gutter, side ring, and lugs; whereby the rim and tire form a unit detachable from the body.

1,486,175. VALVE CONSTRUCTION. WYLIE GEMMEL WILSON, New York, N. Y., assignor to Sliding Valves, Incorporated, a Corporation of Delaware. Filed Mar. 3, 1920. Serial No. 362,082. 7 Claims. (Cl. 123—190.)



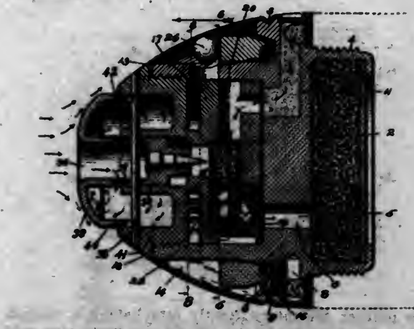
1. In a structure of the class described, a power chamber having inlet and exhaust chambers communicable therewith, and with each of which latter chambers is associated a valve seat, a rotary sealing member operable within each of the intake and exhaust chambers and cooperating with the seat associated therewith, the sealing face of said rotary sealing members being free from engagement with the walls of the chambers in which they operate, and means for effecting continuous resilient coaction between each rotary sealing member and its cooperating seat.

1,486,176. SAFE. CARL FREDRICK WOLTERS, Marietta, Ohio, assignor to The Safe-Cabinet Company, Marietta, Ohio, a Corporation of Ohio. Filed July 26, 1923. Serial No. 658,841. 1 Claim. (Cl. 109—2.)



In a safe, a body portion with an opening therein through the top thereof adapted to afford access to the interior of the safe and sealing means adapted to form a closure or seal for said opening in combination with a frame suitably mounted within the body portion of the safe to move in a plane perpendicular to that face of the safe in which is said opening, said sealing means mounted on and carried by said frame, means for operating said frame and sealing element comprising two shafts mounted at the base of the safe and carrying sprocket wheels mounted thereon, sprocket wheels, and a train of gears carried by said frame with endless chains interposed between said sprocket wheel and means to operate said train of gears to cause said chains to move in the same direction, and means carried by said chains to engage said frame so that the same will be elevated or lowered with the movement of the chains, said frame operating means being internal of the safe and operated by a crank arm externally of the safe through the medium of a shaft passing through a wall of the safe.

1,486,177. SUPERSENSITIVE FUSE. JOHN H. WOODBERRY, U. S. Army. Filed Dec. 10, 1918. Serial No. 266,147. 13 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



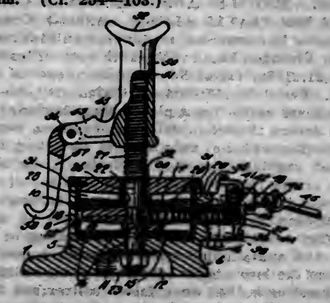
4. In a fuse for projectiles, a primer, and means for exploding the charge in a projectile, including a relatively stationary portion having a passage way or passage ways for communicating the detonating wave to the explosive in a shell, a relatively rotatable member provided with a passage way or passage ways adapted to be placed in alinement with the passage way or passage ways in the relatively stationary member, a detonator carried by the rotatable member, centrifugally releasable means for normally preventing alinement of the passage way or passage ways and means for normally locking such centrifugal means including means for priming the primer.

1,486,178. NOVELTY COIN CASE FOR BATHERS. GAETANO ANTELMI, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 615,554. 2 Claims. (Cl. 224—28.)



1. A bracelet of the class described comprising an annular threaded base portion adapted to form a coin receptacle; an annular threaded closure for the coin receptacle adapted for coin display when removed from the base; a washer interposed between the closure and the base; and a strap for attachment to the wearer's person.

1,486,179. LIFTING JACK. THOMAS JAMES BIRD, Seattle, Wash. Filed May 15, 1922. Serial No. 561,050. 1 Claim. (Cl. 254—103.)



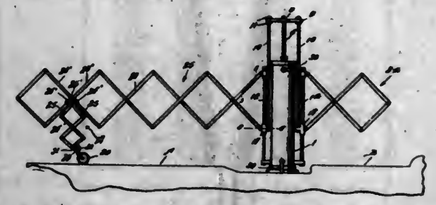
A jack having a central chamber, a lift shaft passing entirely through said chamber and being rotatably mounted in the top and bottom of the chamber, a gear secured to said shaft within the chamber and having inclined upper and lower surfaces, and roller bearings arranged between the upper and lower surfaces of the gear and the top and bottom of the chamber respectively, said roller bearings occupying the full space within the chamber in both directions beyond the gear, and means carried by the jack and arranged beyond the chamber for driving cooperation with said gear.

1,486,180. PUMP. JAMES C. DICKENS, Goose Creek, Tex. Filed Mar. 1, 1923. Serial No. 622,065. 6 Claims. (Cl. 103—221.)



1. In a pump, a standing valve structure including a ring like seat, a cage, a valve confined within the cage and cooperating with said seat to open and close the same, a device mounted in the valve structure and formed to engage with said valve, a yieldable seat on which said device is mounted, said device when in engagement with said valve operating to hold said valve elevated above the seat.

1,486,181. FOLDING TRAFFIC GATE. JESSE H. FALES, Los Angeles, Calif. Filed Oct. 19, 1922. Serial No. 595,662. 4 Claims. (Cl. 39—7.)



1. In automatic gates, a vertically disposed cylinder, having a piston freely movable therein; a rod carried by the piston and projecting outwardly of the upper end of the cylinder, a pair of vertically disposed rod members secured to the projecting end of the piston rod and being so connected to a pair of oppositely extending folding gate members as to actuate the same and an extensible roller carrying arm secured to one of the gate members and adapted to be extended to an operative position when the gate is open.

1,486,182. TEAT CUP. FRANK S. FROST, Chicago, Ill., assignor to Sears, Roebuck & Co., Chicago, Ill., a Corporation of New York. Filed Dec. 8, 1919. Serial No. 343,408. 8 Claims. (Cl. 31—102.)

1. A teat cup for milking machines having, in combination, a tubular rigid casing, a collapsible or compressible tubular inflation fitting within said casing, an air-tight

joint being provided between the respective ends of the casing and the inflation, means for connecting the interior of said inflation to an intermittent suction creating device, and means comprising a restricted opening which establishes constant communication between the



atmosphere and the space between said casing and said inflation but allows only a very gradual flow of air therethrough whereby the sudden collapse and expansion of said inflation is positively prevented, the atmospheric pressure being the sole agent by which external collapsing force on the inflation is effected.

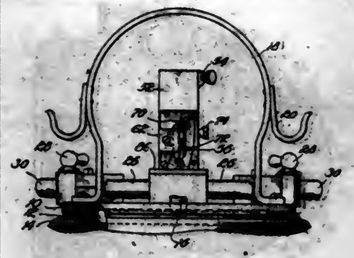
1,486,183. TEAT CUP. FRANK S. FROST, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed May 14, 1920. Serial No. 381,328. 4 Claims. (Cl. 31—102.)



1. In a device of the class described, a casing, an inflation within said casing, the walls of said inflation extending up and over the upper edge of the walls of said casing, a connector to permit the delivery of suction to the interior of said inflation, and said casing having an aperture communicating directly with the atmosphere and permitting air to enter between said casing and said inflation.

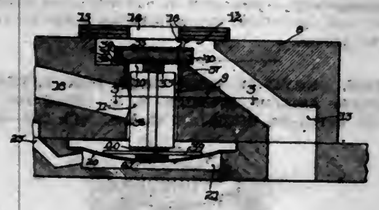
1,486,184. PULSATOR. FRANK S. FROST, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Dec. 3, 1920. Serial No. 428,107. 16 Claims. (Cl. 31—99.)

1. In a device of the class described, a reciprocatory valve plunger having a small end and a large end, means connecting the small end permanently to a predetermined vacuum, and means rendered effective by the movements



of the plunger for intermittently establishing a vacuum to act on the large end of the plunger and destroying said vacuum.

1,486,185. VALVE MECHANISM FOR PLAYER-PIANO ACTIONS. AXEL G. GULBRANSEN, Chicago, Ill., assignor to Gulbransen-Dickinson Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1918. Serial No. 259,614. 18 Claims. (Cl. 84—61.)

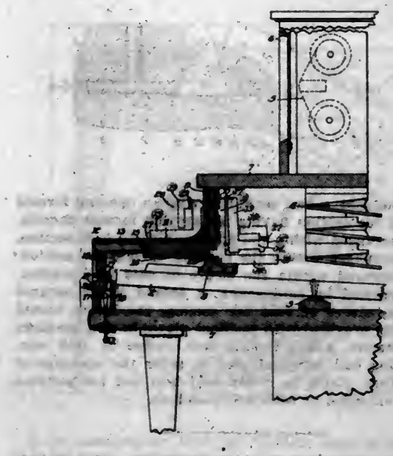


6. In a valve mechanism, a flexible diaphragm, a valve stem, a valve, a flexible compressible pad of a cross section less than that of said stem glued between said valve and the end of said stem and forming the sole connection therebetween, a flexible compressible pad at the other end of said stem, and a disc smaller than said flexible diaphragm and larger than the cross-section of said stem operatively disposed between said compressible pad and said diaphragm whereby the motion of said diaphragm is transmitted through said disc to said stem.

1,486,186. KEY-SLIP AND FALL-BOARD CONSTRUCTION FOR PLAYER PIANOS. AXEL G. GULBRANSEN, Chicago, Ill., assignor to Gulbransen-Dickinson Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1918, Serial No. 218,393. Renewed June 23, 1922. Serial No. 570,384. 1 Claim. (Cl. 84—80.)

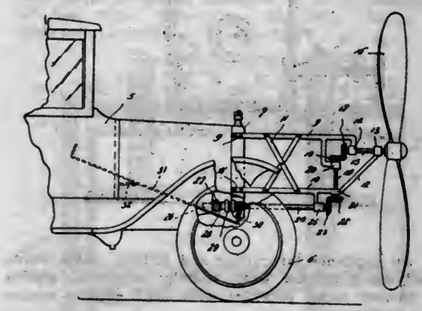
In a cover device for a player piano keyboard and the control levers thereof, a fallboard having a vertical leg and a horizontal leg of substantially equal length, a cover board of angular cross section having a horizontal leg hinged at its rear edge to the front edge of the fallboard and substantially as long as the horizontal leg of the fallboard, and a depending leg having an unfinished inner face and shorter than the vertical leg of the fallboard, and a key slip having an inner unfinished face hinged to the lower inner edge of said depending leg and of such a length that when folded will extend from said lower edge substantially to the under face of the horizontal leg of said cover board and in front of the inner unfinished face of said cover board, whereby said several

members are capable of completely enclosing the keyboard and control levers and of being nested into compact folded relation, and whereby when said members are in



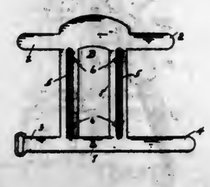
nested relation the inner surface of the depending leg of the cover board and the inner surface of the key slip are both hidden from view.

1,486,187. SNOWPLOW. ROBERT E. HAYNES, Poole, Nebr. Filed May 9, 1923. Serial No. 637,692. 1 Claim. (Cl. 37—43.)



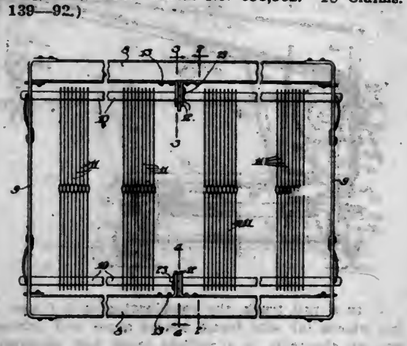
A snow plow attachment for motor vehicles including upper and lower frame members of triangular form arranged in parallel spaced relation, securing bars joining said frames together for holding them in spaced relation, the ends of the frame at the base portion thereof being formed with extensions adapted for removable attachment to the radiator of a motor vehicle for mounting said frame on the vehicle, the forward portion of the lower frame being formed with an upwardly inclined extension terminating in a horizontal bearing, the upper frame having a forward extension formed with a depending end portion terminating in a horizontal bearing in line with the first mentioned bearing, said upper frame member being also formed with a depending portion in the rear of said end extension terminating in a lateral extending end portion provided with a vertical bearing in line with the vertical bearing in the lower frame member, a propeller shaft mounted in the horizontal bearing, a vertical shaft rotatable in said vertical bearing, a propeller mounted on a horizontal shaft in front of the bearing carrying said shaft, gear connections between the horizontal and vertical shafts, said lower frame having a depending projection formed at the end with a horizontal bearing, a power shaft having a removable clutch connection with the crank shaft to the engine of said vehicle, and a gear connection with the vertical shaft, whereby rotative movement is transmitted thru said power shaft to said propeller shaft for rotating the propeller thereon.

1,486,188. ADVERTISING-CARD HOLDER AND MATCH SCRATCHER. FRANK JENSEN, Salt Lake City, Utah. Filed Apr. 9, 1923. Serial No. 631,000. 1 Claim. (Cl. 44—48.)



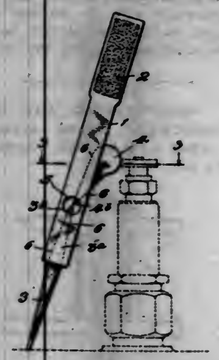
A match scratching device consisting of a sheet of metal having an elongated slot centrally therein, grooves struck into the metal adjacent said slot, card holding lugs struck from said metal and integral therewith, opposed straps extended from two corners of said sheet, and adapted to encircle the spoke of a steering wheel, another strap having a slit near its free end, and another integral strap extended from the opposite side edge of said sheet and adapted to be passed through the said slit and bent upon itself to secure said device on a spoke.

1,486,189. HEDDLE FRAME. JACOB KAUFMANN, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1923. Serial No. 633,362. 18 Claims. (Cl. 139—92.)



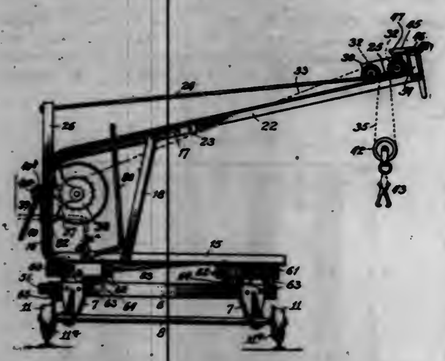
1. In a heddle frame, the means for supporting the heddle bars intermediate their ends comprising a bracket member secured to a portion of the frame, said bracket member having a vertically extending portion provided with a recess open toward the side and adapted to receive and support a heddle bar, and a slide member operatively associated with the vertically extending portion of said bracket member having a T-shaped recess the central portion of which is open toward the side and corresponds in width to the recess in the vertical extension of the bracket member, said T-shaped recess forming overhanging portions of said slide member above and below the central opening adapted to engage the heddle bar and thereby lock the same within the recess of the bracket member when said slide member is either in the upper or lower position.

1,486,190. SPARK-PLUG TOOL. JOSEPH LOPES, New York, N. Y., assignor to The Joseph Lopes Corporation, a Domestic Corporation. Filed Aug. 11, 1921. Serial No. 491,363. 3 Claims. (Cl. 7—1.)



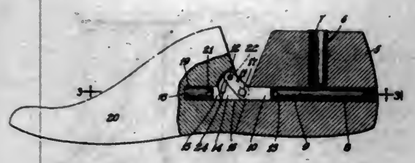
3. In a tool of the character described, a handle of insulating material, a scraping blade member, and a spark-gap gage member associated with said handle, each of said members being formed of sheet material partially embedded in the material of the handle and frictionally retained therein.

1,486,191. RAIL TRUCK. FRANK H. MARSHALL, Kilbourn, Wis., assignor to Patrick H. Madden, Sparta, Wis. Filed Sept. 13, 1920. Serial No. 410,049. 13 Claims. (Cl. 212—11.)



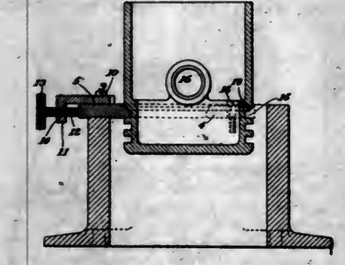
1. In a rail truck, the combination of a frame, carrying wheels for said frame spaced apart and arranged to run on the rails of a railway track and provided with means for retaining the truck on the track rails, a supporting structure sustained by said frame comprising vertically extending members disposed adjacent one side of the frame so as to leave clearance on the other side to permit rails to be laid on and supported by the frame between the carrying wheels and the track rails and an elevated supporting member projecting laterally from the vertical members over said clearance space and beyond the track rail at one side of the track, a rotatable connection between the frame and said structure whereby the latter may be swung to either side of the track vertically extending anti-friction devices to hold the supporting structure against bodily lateral movement on the truck, and rail-hoisting means whereby a load rail may be lifted from the ground at one side of the track and deposited onto the frame so it will be supported thereon between the track rails.

1,486,192. SHOE LAST. CLIFFORD KIRBY MACDONALD, Brockton, Mass. Filed Apr. 3, 1922. Serial No. 548,932. 1 Claim. (Cl. 12—136.)



In a shoe last, a heel section having an opening formed therein, a toe section having an opening formed therein, a sleeve arranged within the opening of said heel section, a sleeve arranged within the opening of said toe section, a shank secured within the sleeve of said heel section, an arm carried by said shank, a second shank secured within the sleeve of said toe section, the latter named shank being provided with resilient plates having openings formed therein, and a locking ball carried by said arm, said locking ball being adapted to enter the openings of said resilient plates to retain said heel and toe sections in either extended or collapsed positions.

1,486,193. APPLIANCE FOR CUTTING AND DRILLING PISTON HEADS. JOHN J. MCGUCKIN, Brooklyn, N. Y., assignor to Louis Schwab, New York, N. Y., doing business as Stevens & Company. Filed May 6, 1922. Serial No. 559,033. 4 Claims. (Cl. 82—4.)



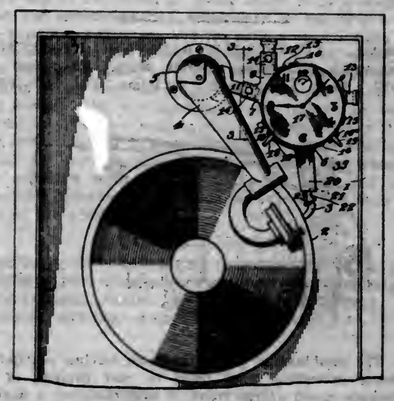
2. An appliance for cutting and drilling piston heads, embodying a tubular body, radially adjustable guides, one thereof being provided with drill guiding means, and an adjustable cutter.

1,486,194. MANUFACTURE OF CARTRIDGE SHELLS. MARTIN NEWCOMER, Perth Amboy, N. J. Filed Feb. 21, 1922. Serial No. 538,239. 1 Claim. (Cl. 29—1.3.)



The improvement in the manufacture of cartridge shells which consists in forming a rimmed cup or head, forming a shell body with a reduced end portion and an outwardly turned flange at its extremity, introducing the reduced portion of the body within the cup or head, and forcing the reduced portion of the body outwardly against the cup or head and the flange of the body into the rim of the cup or head.

1,486,195. TIME-CONTROLLED PHONOGRAPH STARTING DEVICE. EMILIO PROVENZANO, Philadelphia, Pa. Filed May 10, 1923. Serial No. 637,979. 9 Claims. (Cl. 161—23.)



1. In combination with the winding lever of an alarm clock and the stopping lever of a phonograph; a frame for horizontally supporting the clock; a plunger horizontally movable in the frame adapted to move the stopping lever, and means on the frame actuated by the winding lever to move the plunger.

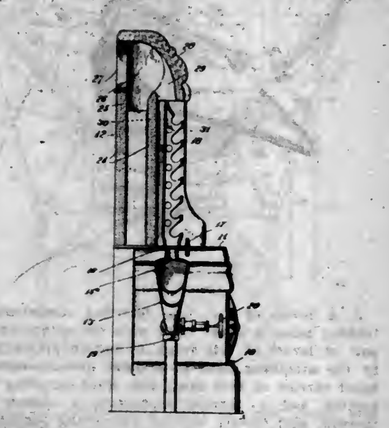
1,486,196. PHOTOGRAPHIC-PAPER HOLDER. CLIFFORD H. RUFFNER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 25, 1920. Serial No. 391,770. 10 Claims. (Cl. 88—24.)



1. In a bromide paper holder the combination of a base, with an L shaped margin gauge, the base having slots extending from one corner parallel to the sides of the base, the L shaped gauge being adapted to fit selectively into any of the slots to vary the position of the bromide paper relative to the base.

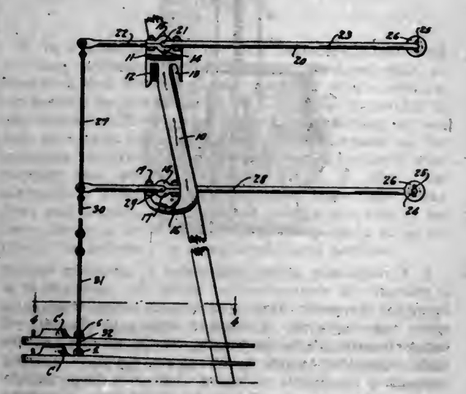
1,486,197. GAS HEATER. GUSTAVE F. SCHMIDT, Chicago, Ill. Filed May 11, 1922. Serial No. 559,991. 6 Claims. (Cl. 126—92.)

1. A gas heater of the character described, comprising a burner enclosing unit provided with an opening in its top, a main body unit superposed on said first unit and consisting of integral sides, top and back formed to provide a radiant-receiving recess on the front face thereof, the back consisting of integrally connected double walls spaced apart and having an outlet opening, while the sides are provided with aligned sockets adjacent to the top, a radiant-rest seatable in the top opening of the first unit on the tips of the burner, a plurality of radiants superposed on said rest and disposed vertically in the recess of said main body unit, the radiant-rest and back wall of the body unit being



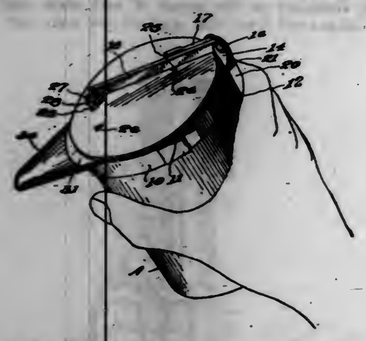
so arranged as to permit all circulation intermediate of the radiants and the back wall of said main unit, and a single element adapted to pass through the upper ends of the radiants, while the ends of said elements are adapted to engage and interlock in the sockets in the sides of the main body unit and permit all of the radiants to be simultaneously removed.

1,486,198. WRENCH SUPPORT FOR DRILLING EQUIPMENTS. GUY W. SEYBERT, Morris, Okla. Filed Jan. 8, 1923. Serial No. 611,336. 7 Claims. (Cl. 248—5.)



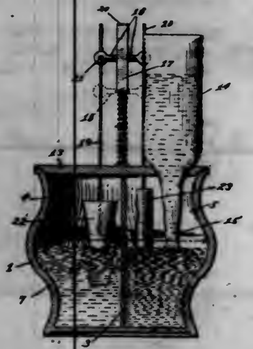
1. The combination with a supporting frame, of a bracket mounted thereon and having a bearing extending transversely of the supporting frame, a lever having intermediate its ends a laterally disposed cranked portion disposed in said bearing, one arm of the lever being disposed on one end of said cranked portion and the other arm of the lever being disposed on the other end of said cranked portion, a cable connected to the inner end of the lever and adapted to be connected to an implement to be manipulated, and counterweighting means engaged with the outer end of the lever.

1,486,199. COMBINATION PERFORATOR, CLOSURE, AND POURING ATTACHMENT FOR CONTAINERS. IRA T. SKILES, Long Beach, Calif. Filed May 19, 1919. Serial No. 298,030. 3 Claims. (Cl. 221—23.)



3. A device of the class described comprising an attaching band, a spout rigid with the attaching band, a pair of levers of bell crank formation pivotally carried by the attaching band at a point directly opposite the spout carried on said band, each lever including a handle portion and a portion supporting a closure member thereon, said closure member supporting portions of the levers being of different lengths, and spring means coacting in independent manner on said levers to normally urge the same in one direction.

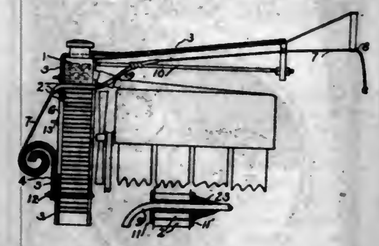
1,486,200. DISPENSING CONTAINER. MARY J. STEELE, San Francisco, Calif. Filed May 31, 1922. Serial No. 564,898. 8 Claims. (Cl. 221—95.)



1. A dispensing device comprising a container having a plurality of compartments; means for maintaining a liquid at constant level within each compartment; a spout communicating in common with said plurality of compartments; displacing means slidably mounted within each compartment; and means for moving the displacing means into the liquids contained within the compartments to raise the level of said liquids within their respective compartments whereby a portion of the liquids from each compartment may be simultaneously dispensed through the common spout.

2. A dispensing device comprising a container having a plurality of compartments; means for maintaining a liquid at constant level within each compartment; a spout communicating in common with said plurality of compartments; displacing means slidably mounted within each compartment; means for moving the displacing means into the liquids contained within the compartments whereby a portion of the liquids from each compartment may be simultaneously dispensed through the common spout; and means for independently adjusting the displacing means within each compartment to vary the quantity of liquid dispensed therefrom at each operation of the displacing means.

1,486,201. AUTOMOBILE RADIATOR PROTECTOR. FREDERICK C. SUTTER, Detroit, Mich. Filed Dec. 17, 1917. Serial No. 207,502. 7 Claims. (Cl. 257—132.)



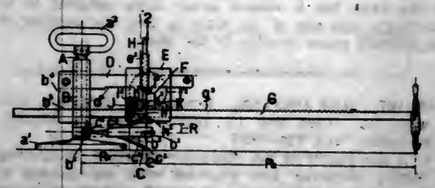
4. The combination with a radiator having ventilation passages extending from front to rear thereof, of an adjustable shield at the front of said radiator, a flexible member secured to said shield and passing through one of said ventilation passages, and a tube insertable in said ventilation passage and surrounding said flexible member to guide the same and prevent contact thereof with the wall of said ventilation passage.

1,486,202. SPRING OILER. WILLIAM S. SYLVESTER, Denver, Colo. Filed Sept. 11, 1923. Serial No. 662,056. 4 Claims. (Cl. 184—1.)



1. A spring oiler comprising a channel-shaped member of sheet metal, one end of the bottom of said member being longer than the sides, a pipe having one end flattened, said flattened end projecting through the oiler near the bottom thereof, a piece of felt within said member, and means for clamping the member to a spring.

1,486,203. APPARATUS FOR THE MEASUREMENT OF PLANE SURFACES. HERMANN THUN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 7, 1920. Serial No. 429,027. 6 Claims. (Cl. 33—122.)



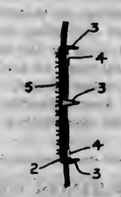
5. An apparatus for the measurement of plane surfaces comprising a tracer pin, means forming a pole or pivot, means connecting said tracer pin to said pivot whereby said pin is adapted for movement radially to said pivot and circumferentially about it, a registering device, a measuring wheel operatively connected to said device, an axially-elongated rolling body, circular in cross section and comprising a paraboloid, means supporting said body whereby its axis is maintained radial to said pivot and is controlled to swing about it in accordance with the circumferential movements of the tracer pin, the body being thus adapted for rolling upon a fixed surface and about the pivot, and means for so connecting said measuring wheel to a part of said pin-and-pivot-connecting means that the wheel will be maintained in rolling contact with the paraboloid and will be so bodily moved axially therealong, by the radial movements of the pin, as it is caused to trace the outlines of the area being measured, that the revolutions imparted to the wheel by the resulting rolling of the elongated body will be a quadratic function of the distance of said pin from the axis of the pivot.

1,486,204. DEVICE FOR USE IN FORMING CONCRETE CONDUITS. DANIEL N. TRULLINGER and HERBERT A. TRULLINGER, Aurora, Oreg. Filed June 2, 1923. Serial No. 643,128. 6 Claims. (Cl. 25—127.)



1. A device for the purpose set forth comprising a longitudinally split cylinder having its side edges overlapping, divided heads fitted within the cylinder adjacent the ens thereof, means for holding the members of the heads normally together, and a spreader bar passing between the members of the heads and engaging the opposed edges of the same.

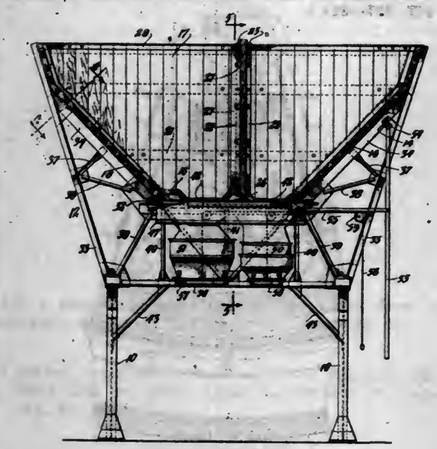
1,486,205. MATCH STRIKER. EDITH MAUD HAY LILLIAN TUFTS, Vancouver, British Columbia, Canada. Filed July 5, 1922. Serial No. 572,785. 3 Claims. (Cl. 44—48.)



1. A device of the character described comprising a disc of textile material having a coating of abrasive material on one side and means upon the opposite side for attaching the disc to a garment.

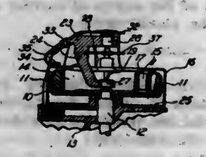
1,486,206. BIN. WILLIAM M. VENABLE, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Oct. 20, 1922. Serial No. 595,727. 30 Claims. (Cl. 20—1.2.)

1. A straddlingly mounted bin including supports separated to afford passage for vehicles between them under the bin, a containing shell, and sustaining framing for said shell comprising inclined members resting on said



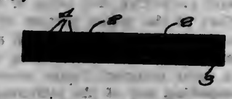
supports at an intermediate point in their length and braced together against rocking on said supports.

1,486,207. SPEEDMETER OR THE LIKE. CYRIL T. WALLIS, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 27, 1921. Serial No. 510,782. 9 Claims. (Cl. 264—18.)



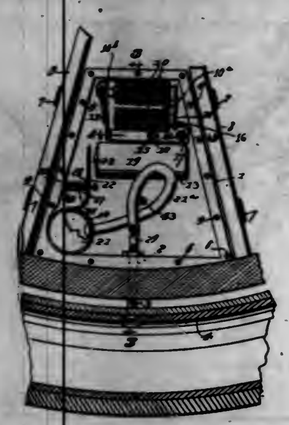
8. In a speedmeter or the like, the combination, with a rotary spring-controlled indicator provided with an abutment, and a frame-member provided with a removable bearing for the indicator, of a spring-strip pivoted to the frame-member between its ends and formed, at one end, as a stop to cooperate with said abutment on the indicator, the other end of the spring-strip normally overhanging said bearing and retaining it in place; the spring-strip being pivotably movable, when bent away from said bearing, to release the bearing and also to remove the stop from normal operative position so as to permit the indicator to move beyond zero position.

1,486,208. METHOD OF COLORING WHITE TRANSPARENT CRUSHED MARBLE, SILICA, OR THE LIKE FOR MAKING COLORED ART MARBLE, TERRAZA, OR THE LIKE. JACOB WEBER, Mansfield, Ohio. Filed Mar. 6, 1923. Serial No. 623,254. 7 Claims. (Cl. 18—48.8.)



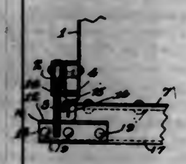
1. The herein described method, consisting in molding independent and artificially colored chips into an article form, and then finishing the surface of the article by removing the coloring from those portions of the chips at such surface.

1,486,209. AIR-PRESSURE ALARM DEVICE FOR PNEUMATIC TIRES. LOUIS F. WESCHE, Webb, Iowa. Filed Aug. 24, 1921. Serial No. 495,056. 6 Claims. (Cl. 177—311.)



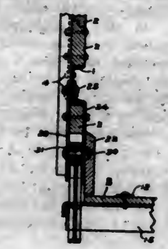
1. An air pressure failure indicating device comprising a support, a normally inflated flexible member mounted upon the support, a contractile band surrounding said inflated member and having an extension, a source of current having one terminal connected with an alarm device and its other terminal disposed in the path of said extension, the other terminal of the alarm device being grounded onto said support, a deflation of said inflated member permitting said extension to engage said second named terminal of the source of current to close the circuit through the alarm device.

1,486,210. DOOR ARRANGEMENT FOR RAILWAY CARS. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 12, 1922, Serial No. 528,654. Renewed Jan. 21, 1924. 13 Claims. (Cl. 105—308.)



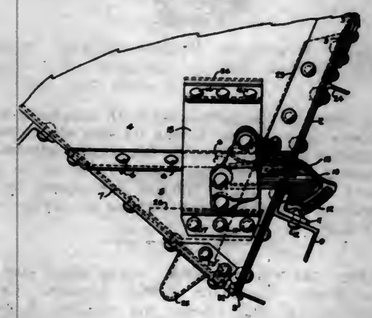
1. In a door arrangement for railway cars, a door hinged to the car body and having one edge lying along the car side, a stiffening member secured to the outer face of the door, the same having a web outstanding from the door and having a marginal flange extending continuously and uninterruptedly along one edge of the web, the said stiffening member having an end projecting outwardly beyond the edge of the door and beneath the side of the car, the said projecting end being of reduced depth compared to that of the major portion of said member and said reduction in depth being effected along the edge of the member opposite to that carrying the said marginal flange, a local marginal flange secured along the edge of the projecting end of the stiffening member and arranged to lie substantially parallel with the said continuous marginal flange and bordering the edge of the web opposite that carrying said continuous flange, and a door supporting hook pivoted to the side of the car and arranged to seat beneath the said local marginal flange.

1,486,211. RAILWAY CAR. WILLIAM E. WINE, Toledo, Ohio. Filed July 29, 1922. Serial No. 578,312. 5 Claims. (Cl. 105—280.)



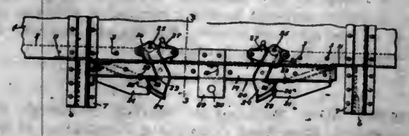
1. A railway car having a side sill with side planking arranged substantially in the same vertical plane as the side sill, a door hinged in the floor of the car and adapted to close against the lower edge of the car side, an arm extending outwardly beyond an edge of the door and beneath the side planking, a plate secured to the side planking and to the side sill thereof, the same carrying a pivoted door-supporting hook adapted to engage the said arm.

1,486,212. CAR-DOOR CONSTRUCTION. WILLIAM E. WINE, Toledo, Ohio. Filed Jan. 22, 1923. Serial No. 614,189. 5 Claims. (Cl. 105—249.)



1. A railway car having an inclined hopper sheet and a vertical hopper sheet extending downwardly from the foot thereof, a bracket lying in the exterior angle formed by said sheets and connected to at least one thereof, a door arranged to lie, when closed, with one edge near the said bracket, and door-supporting means operatively interposed between and cooperating with the said door and the bracket.

1,486,213. DOOR MECHANISM FOR RAILWAY CARS. WILLIAM E. WINE, Toledo, Ohio. Filed June 8, 1923. Serial No. 644,140. 16 Claims. (Cl. 105—280.)



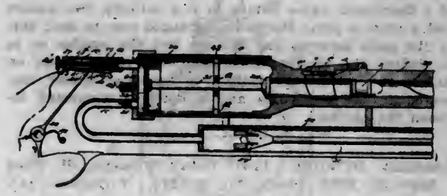
1. In car door mechanism, the combination with a hinged door provided with a marginal flange, of a flanged member rigidly secured to said door and overlappingly

engaging the marginal flange thereof, one of the flanges of said flanged member being disposed at an angle to the said door flange, an arm secured to said door and projecting outwardly beyond the said flanged member and door flange, said arm passing beneath and having engagement with the flange of said flanged member which is angularly disposed with respect to the marginal flange of the door, and means movably mounted upon the car body for cooperating with said arm to support said door in closed position.

1,486,214. COMPOSITE REFRACTORY METALLIC BODY. GEORGE FRED YBSSLER, Port Chester, N. Y. Filed Feb. 28, 1920. Serial No. 362,074. 5 Claims. (Cl. 106—9.)

5. The process of producing composite refractory metallic bodies consisting of tungsten containing iron alloyed therewith and having refractory oxides homogeneously incorporated therein, the said bodies having a melting point lower than that of substantially pure tungsten, which consists in incorporating oxids of iron and difficultly reducible refractory oxides with tungstic oxides, subjecting the mixture to a reducing operation, producing reduced materials of different density, compounding a mixture of such reduced materials of different density, forming a compressed body from the said mixture, subjecting the compressed body to a preliminary formation by heating it to a moderately high temperature, and completing the formation by heating it to a high temperature.

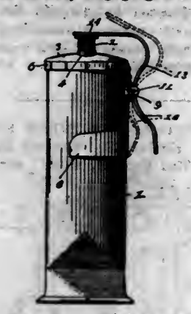
1,486,215. AIR GUN. LEIGH F. J. ZERBEE, Bellefontaine, Ohio. Filed Nov. 10, 1922. Serial No. 600,112. 4 Claims. (Cl. 124—8.)



1. In an air gun, a barrel, a chamber communicating immediately with the bore of the barrel at the breech end of the latter and being adapted to receive a pressure fluid, a valve controlling communication between the chamber and the bore of the barrel, and a piston operatively connected with the valve and adapted to reciprocate within the chamber, said piston having means to permit leakage of the pressure fluid therepast in a forward direction and being adapted to be actuated by excess pressure at the rear side thereof to prevent communication between the chamber and the bore of the barrel and by excess pressure at the forward side thereof to permit such communication, means for introducing pressure fluid into the chamber at the rear of the piston, whereby the piston will be moved forwardly within the chamber until the valve is in closing relation to the barrel, and means operable at will to permit escape of pressure fluid from the space within the chamber at the rear of the piston, whereby the piston will be moved rearwardly to open the valve.

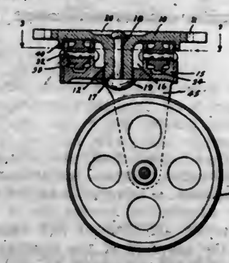
1,486,216. CAP FOR COLLAPSIBLE METAL CONTAINERS. JAMES EARL ANDERSON, San Francisco, Calif. Filed Jan. 3, 1923. Serial No. 610,446. 6 Claims. (Cl. 224—60.)

1. A cap for collapsible metal tubes and the like comprising a cover having a central aperture adapted to receive the dispensing tip of a tube, and provided with a flanged edge detachably engaging the top of said tube;



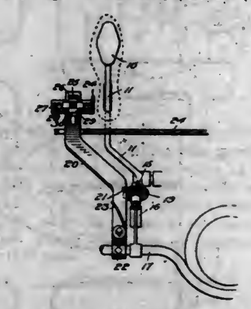
and a stopper pivotally mounted upon said cover for normally closing the opening in said dispensing tip.

1,486,217. CASTER. FRANK A. BAUM, Hamilton, Ohio. Filed Aug. 17, 1922. Serial No. 582,483. 6 Claims. (Cl. 16—28.)



1. A caster of the character described comprising a plate, constructed for attachment to a truck or the like, a depending stem carried by said plate; a wheel bearing housing having a centrally arranged passage therethrough for receiving said depending stem, means for locking the housing and the depending stem rotatably together, a wheel rotatably mounted upon said housing; said housing also having a circular pocket therein surrounding said passage but separate therefrom, and a plurality of rollers within said recess or pocket, constructed to rotatably support the said plate.

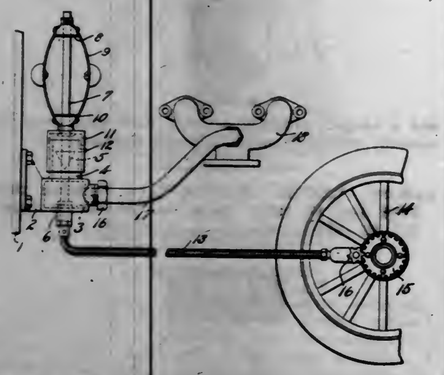
1,486,218. CLUTCH-PEDAL-LOCKING DEVICE. PETER B. BELCHER, St. Louis, Mo. Filed Aug. 6, 1923. Serial No. 656,119½. 8 Claims. (Cl. 74—81.)



1. In a motor vehicle, the combination with the lever operated gear shifting mechanism, of means for releasably locking said mechanism against movement from its neutral position, said locking means comprising a projection removably carried by one of the connections

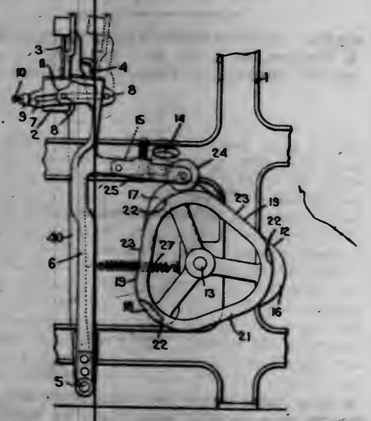
of said mechanism, said connection having a screw-threaded aperture therein for attachment of said projection, a catch pivoted at one side of said projection and movable toward and away from the projection, and means for yieldingly retaining said catch in the path traversed by said projection.

1,486,219. AUXILIARY AIR INLET FOR INTERNAL-COMBUSTION ENGINES. WILBER EARL ADAMS, Detroit, Mich. Filed Feb. 11, 1922. Serial No. 535,685. 2 Claims. (Cl. 123—124.)



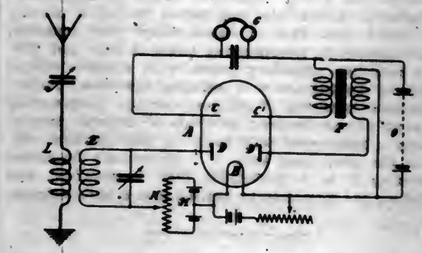
1. An auxiliary air inlet device for the manifold of an internal combustion engine, comprising a bracket having an air chamber, a valve body on the air chamber of said bracket adapted to receive air, a conduit attached to the bracket air chamber and adapted to conduct the air to the manifold of the internal combustion engine, a valve slidable exteriorly of said valve body controlling the admission of air to the valve body, a governor shaft extending through said bracket air chamber and said valve body and governor means on the upper end of said shaft adapted to adjust said valve.

1,486,220. PILE-FABRIC LOOM. JOSEPH F. BENOIT, Sanford, Me., assignor to Sanford Mills, Sanford, Me., a Corporation of Maine. Filed June 4, 1923. Serial No. 643,287. 5 Claims. (Cl. 139—39.)



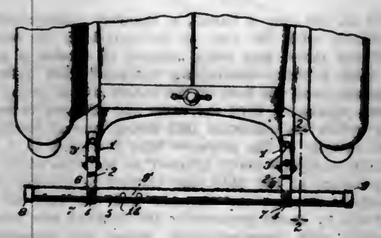
2. In a pile-fabric loom constructed to introduce pile wires in the shed at certain picks and filling in the shed at other picks, the combination with a lay, of a shuttle box supported independently of the lay, and lay-vibrating means operating to give the lay a greater amplitude of beating-up movement after the insertion of each filling pick than after the insertion of each pile wire, the shuttle box-vibrating means operating to give the shuttle box a uniform amplitude of movement.

1,486,221. MEANS FOR CONTROLLING THE FLOW OF ELECTRONS IN ELECTRIC DISCHARGE DEVICES. EDGAR BERRY, Buenos Aires, Argentina, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Mar. 5, 1921. Serial No. 450,052. 7 Claims. (Cl. 250—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a receiver for wireless signals, the combination of a thermionic valve having in it a cathode, two anodes and a pair of plate electrodes arranged one on each side of the path between the cathode and the anodes so as to deflect the electrons emitted from the cathode on to the two anodes alternately, a receiving circuit connected to the electrodes and a detector connected between the anodes.

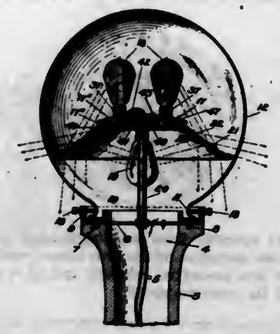
1,486,222. BUMPER. IRWIN BERRY, Wilmette, Ill. Filed Sept. 27, 1923. Serial No. 665,113. 7 Claims. (Cl. 293—55.)



1. An automobile bumper comprising an elongated metallic member having a gasoline chamber therein, and means whereby gasoline may be placed therein and removed therefrom.

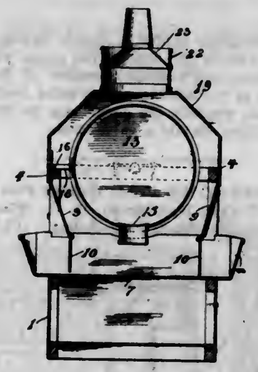
1,486,223. SAFETY-ISLAND LIGHT FIXTURE. FRANK BRUEGGEMAN, Chicago, Ill., assignor of one-half to William Ira Bell, Chicago, Ill. Filed Apr. 25, 1921. Serial No. 464,063. 5 Claims. (Cl. 240—25.)

1. A safety island light fixture embodying therein a one piece globe having a single opening therein, means positioned within the globe for lighting same, a reflector positioned within the globe and dividing the globe into upper and lower isolated light compartments both adapted



to be illuminated by said means, said reflector being larger than said opening in the globe and being split to enable passage thereof through said opening.

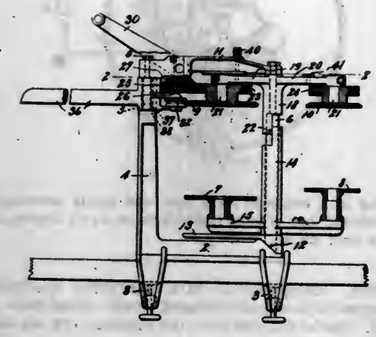
1,486,224. STOCK-WATERING TROUGH. CHARLES W. BRUGGEMAN and CARL W. BRUGGEMAN, Farmington, Iowa. Filed Mar. 23, 1923. Serial No. 627,185. 2 Claims. (Cl. 119—73.)



1. A stock-watering apparatus comprising a supporting structure, a trough extending through the supporting structure, a drum rotatably mounted on the structure above the trough and having a single central spout adapted in one position to discharge into the trough and in another position of the drum to constitute a filling opening, a hood fitted on the supporting structure and housing the drum and provided in its top with a central filling opening, a collar engageable at either end fitted around said opening to rest upon the hood, and a funnel carried by said collar and projecting through one end thereof.

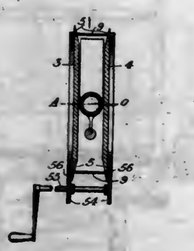
1,486,225. CAN-SEAMING MACHINE. FRANK W. BURPEE, Chicago, Ill. Filed Dec. 30, 1922. Serial No. 609,857. 6 Claims. (Cl. 113—23.)

1. A hand seamer for cans, comprising the combination with a suitable frame having provision for securing the same to a table or the like, a series of can supports rotatably mounted on the ends of arms radially projecting from a hub mounted to turn on a vertical axis, a series of can driving heads rotatably mounted in the ends of similar arms to be movable with the can supports about the same axis, each driving head and its can support being in axial alignment and supported at such distance from the common axis that the outer edges of the supports and driving heads are equidistant from the axis



about which they move, a seaming roller rotatably mounted in the approximate plane of the driving head, means for securing any one of the driving heads and its can support in a position where the circumferential cover seam of a can between the support and the driving head may be engaged by the seaming roller, and means for rotating the driving head that is in such position.

1,486,226. MOTION-PICTURE APPARATUS. JOHN G. CAPSTAFF and NEWTON B. GREEN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 17, 1922. Serial No. 575,596. 15 Claims. (Cl. 88—16.8.)

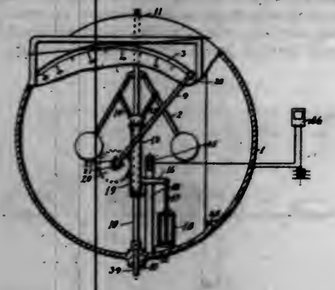


1. Means for advancing motion picture film comprising two, spaced, co-axial discs, having the margins of their facing surfaces beveled so that the edges of a long strip of film may ride thereon, separate means on each disc whereby it may be turned, and driving means operating on said means to rotate said discs at the same speed, said common driving means being the only operative connection between the discs.

1,486,227. VEHICLE SPEED INDICATOR. FREDERICK W. CARTER, Lemon Grove, Calif. Filed Nov. 28, 1921. Serial No. 518,179. 4 Claims. (Cl. 235—95.)

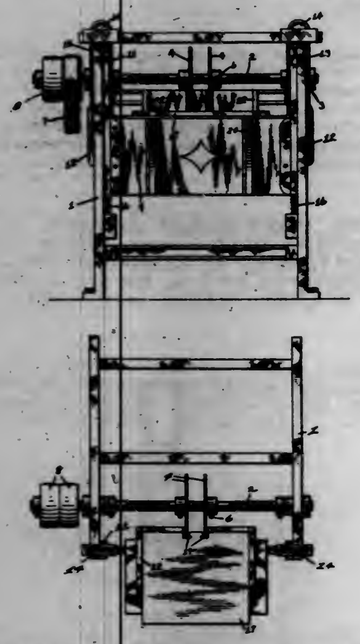
1. A speed indicator for vehicles, including a case, a shaft journalled in said case, a centrifugal governor op-

eratively connected with said shaft, a radial indicator arm operatively connected with said governor, dials



mounted in a series in said case, and pawls mounted at the extended end of said radial arm so as to engage and actuate said dials.

1,486,228. CARDBOARD-BOX-BOUTING MACHINE. EDMUND S. J. CHILD, Oakland, Calif. Filed Nov. 29, 1922. Serial No. 604,046. 12 Claims. (Cl. 93—58.)



1. A box routing machine comprising a routing disc having a plurality of knocking elements thereon; and means for rotating said disc to cause the knocking elements to engage and knock out die cut waste portions successively from a plurality of die cut blanks of cardboard boxes when moved into engagement therewith.

1,486,229. INTERRUPTER MECHANISM. HAROLD H. CLARK, Springfield, Mass., assignor to Wico Electric Company, Springfield, Mass., a Corporation of Massachusetts. Filed June 25, 1920. Serial No. 391,606. 13 Claims. (Cl. 200—36.)

5. Interrupter mechanism, comprising, co-operating and relatively movable breaker points, rotary timing mechanism for controlling the opening and closing of said points, means operable from said mechanism at predetermined times to move said points into engagement at a speed independent of its rotative speed, and means



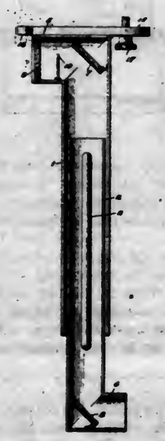
subsequently operable from said mechanism at a definite time after the operation of the first named means to move said points into separated relation and at a speed independent of its rotative speed.

1,486,230. TIRE-GAUGE HOLDER. DAVID H. COX, Roselle, N. J. Filed Mar. 15, 1923. Serial No. 625,335. 5 Claims. (Cl. 81—3.)



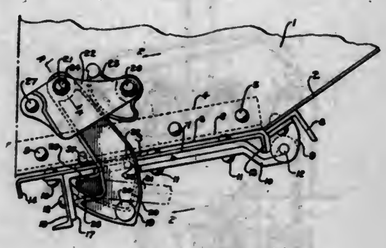
1. In a tire gauge holder, a handle having means fixedly secured therein for holding the gauge when applied to a valve stem, longitudinal movement of the gauge in one direction in the holding means being limited by said holding means, whereby the gauge may be forced in the opposite direction against a valve stem.

1,486,231. PERISCOPE ATTACHMENT FOR CAMERAS. WILLIAM C. COX, Washington, D. C. Filed June 16, 1920. Serial No. 389,514. 2 Claims. (Cl. 88—1.)



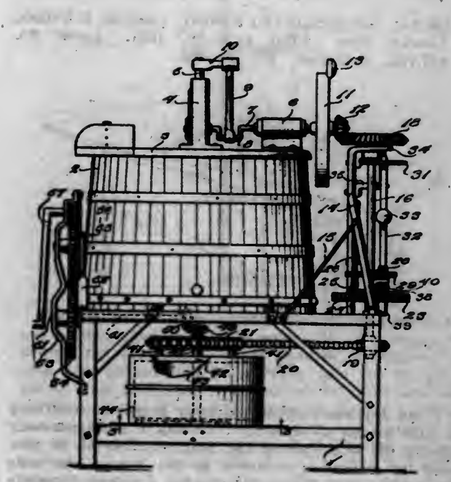
1. In combination with a camera, a periscope, a camera supporting shelf in fixed relation to the periscope, and means for adjustably fastening the camera to said shelf, the latter having indicating means to insure setting the focal axes of the camera and periscope in parallelism.

1,486,232. CAR-DOOR ARRANGEMENT. WILLIAM F. CREMMEAN, Toledo, Ohio. Filed Sept. 2, 1922. Serial No. 585,845. 12 Claims. (Cl. 105—308.)



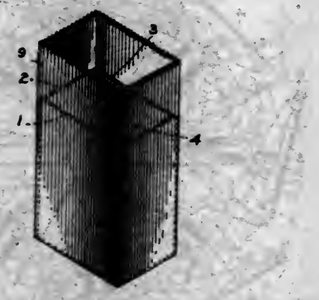
7. In a car door arrangement, the combination with a drop door hinged to the car body, of a pair of door-supporting hooks pivoted to the car body and arranged to swing into supporting engagement with said door, one of the hooks being arranged to support the door in a partly closed position and the other being adapted to support the door in a fully closed position, and a ledge or boss formed upon the said hook that is adapted to hold the door in partly closed position, said ledge being formed and arranged to provide a fulcrum for a removable lever operable between said ledge and the door for prying the door from a partly closed to a fully closed position.

1,486,233. WASHING MACHINE. BERNARD C. CURRY, Kankakee, Ill. Filed Sept. 25, 1922. Serial No. 590,475. 3 Claims. (Cl. 185—37.)



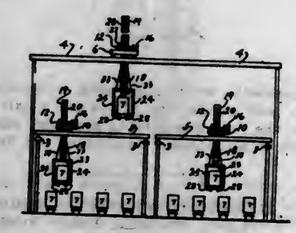
1. The combination of a crank shaft, operative connections between the crank shaft and a working element, a beveled gear carried by the outer end of the said shaft, a vertical shaft, a beveled gear carried by the upper end of said shaft below and meshing with the beveled pinion on the crank shaft, a spring motor arranged below the driven machine, and operative connections between the said motor and the vertical shaft for rotating the latter.

1,486,234. BOX. CROMWELL B. DICKEY, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Oct. 4, 1921. Serial No. 505,236. 2 Claims. (Cl. 229—55.)



1. A paper box comprising a folding knock down pasteboard carton having its side walls hinged together and having overlapping flaps hinged to the side walls and forming an end closure and stiffener for the carton when the sides of the carton are brought into position of use at right angles to each other, and a flat bottomed bag rectangular in cross section of greater length than the carton, into which the carton fits snugly with its closed end in opposition to the closed end of the bag, the other end of the bag being folded down and secured over the other end of the carton and the box being adapted to be filled after inserting the carton into the bag.

1,486,235. DEVICE FOR TRANSFERRING RAILWAY CARS. HERBERT BRISTOL DWIGHT, Hamilton, Ontario, Canada. Filed July 1, 1922. Serial No. 572,191. 5 Claims. (Cl. 212—11.)

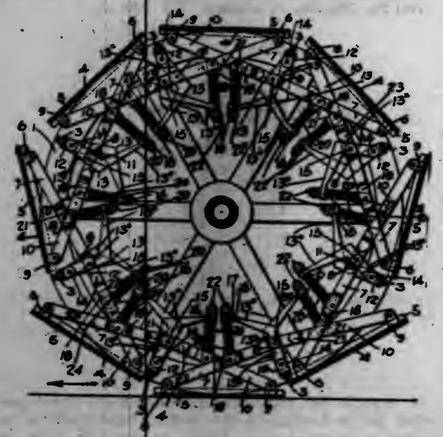


1. In a device for transferring railway cars the combination with a travelling crane adapted to lift a car bodily off the supporting rails, of car grappling elements carried by the crane and engageable with the running gear of a car to be lifted, inclined guide plates placed parallel with and on the outer sides of the rails, said plates being situated adjacent to and inclined downwardly towards the rails and adapted to engage the grappling elements as the crane is lowered to pick up a car.

1,486,236. TRACTOR WHEEL. WALTER GEORGE FISHER, Orangeville, Ontario, Canada. Filed June 19, 1922. Serial No. 569,205. 2 Claims. (Cl. 305—13.)

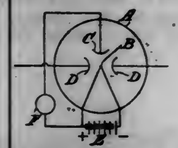
1. A tractor wheel comprising two wheel members, spaced apart, cross bars connecting the wheel members together and spaced suitable distances apart around the periphery of the wheel, tread plates located between each pair of bars, criss-cross levers pivotally mounted at

each end of the tread plate, an angular lever pivotally connected to each cross bar and intermediately of its



length to one of the aforesaid levers, and a yieldable connection between the opposite or outer end of the angular lever and the aforesaid criss-cross lever.

1,486,237. THERMIONIC DEVICE. JOHN AMBROSE FLEMING, London, England, assignor to The Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Nov. 6, 1919. Serial No. 336,029. 15 Claims. (Cl. 250—27.)



1. A thermionic device comprising a vacuous bulb, a filament, a pair of collecting plates and a pair of potential plates, the four plates being arranged substantially symmetrical to and closely surrounding the filament.

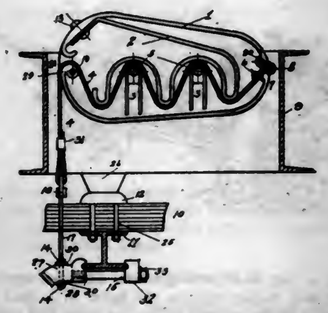
1,486,238. ELECTRICAL MEASURING INSTRUMENT. LESTER E. FRANCE, Cleveland, Ohio. Filed Aug. 18, 1919. Serial No. 318,106. 17 Claims. (Cl. 171—95.)



1. In an instrument of the class described, a dial plate, a permanent magnet, said magnet being yieldingly secured to said dial plate, and adjusting means for varying the distance of said magnet from said dial plate.

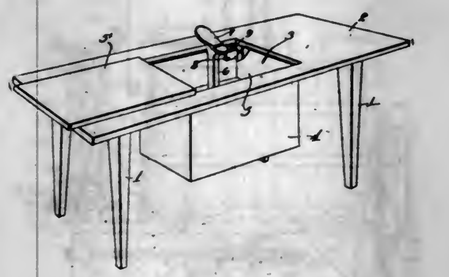
9. In an instrument of the class described, a frame comprising a stationary body portion and a yielding portion adapted to support a magnet, a magnet supported thereon, and means for varying the distance between said magnet and said stationary body portion of said frame.

1,486,239. SHOCK ABSORBER FOR AUTOMOBILES AND OTHER VEHICLES. CLAUDE M. GARLAND, Chicago, Ill. Filed Sept. 18, 1922. Serial No. 589,004. 5 Claims. (Cl. 267—10.)



1. In a device of the character described, a metallic case, means for rigidly attaching the said case to one of the vehicle parts to be controlled, a slot in each end of the said case, a flexible member passing through the said case and the slots therein, an enlargement in one end of the said flexible member whereby the enlarged end of the flexible member is held rigidly in the slot in one end of the said case, projections carried within the said case and adjacent to the said flexible member, resilient means tending to press the said flexible member between the said projections, and the opposite end of the said flexible member attached to the other vehicle part to be controlled.

1,486,240. SHOE-SHINING STAND. CHARLES J. GEISER, Lander, Wyo. Filed July 26, 1921. Serial No. 487,703. 3 Claims. (Cl. 15—265.)



1. An apparatus of the character described comprising a table having an opening in its top, a cover normally closing the said opening and adapted to swing to open position, a housing attached to the top of the table around and beneath the said opening, a sliding receptacle within the said housing, a foot rest mounted within the receptacle and adapted to project upwardly through the opening in the table top when the receptacle is elevated, and means to maintain the receptacle in elevated position.

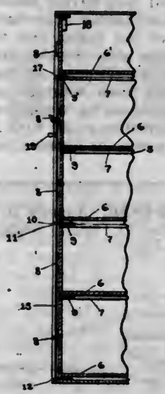
1,486,241. PNEUMATIC JACK. WILLIAM A. GIBSON, Detroit, Mich. Filed Mar. 13, 1922. Serial No. 543,230. 7 Claims. (Cl. 138—9.)

7. In a lifting device of the character described, the combination of an expansible fluid container, means for admitting fluid under pressure thereto, a base member, a hollow member slidable upon said base, said base and



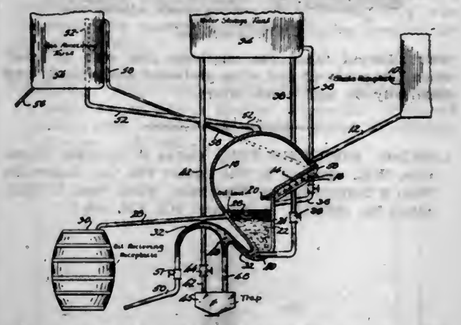
hollow member together forming a tight expansible casing to completely enclose the expansible fluid container, and a lifting member upon said slidable hollow member.

1,486,242. TRUNK-DRAWER LOCKING MEANS. FREDERICK J. GREENE, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed May 15, 1922. Serial No. 560,918. 1 Claim. (Cl. 45—94.)



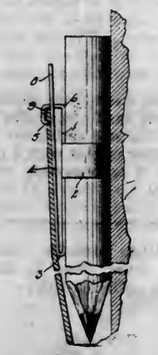
The combination with a trunk section having cross bars and drawers between some of said bars, of a means for locking the drawers in closed position, comprising an eyed arm projecting from a trunk part, an elongated slotted arm projecting from one of the cross bars and having a narrow entrance to its slotted portion, a locking bar extending in front of the drawers and entering the eye of the eyed arm and the slot of the slotted arm and having an upper downwardly turned hooked end which extends over and downwardly on the inner side of one of the cross bars, a medial portion of the locking bar being of less width than the other portion to permit the bar to lockingly enter the elongated slot of the arm and to be moved upwardly to locked position, and another trunk drawer having a locking means and positioned above the hooked end of the bar and having a front plate, the lower edge of which engages the bar to hold the hooked portion in locked position and is further provided with a bottom which is raised above the lower edges of the drawer sides and front plate to provide a space to permit the locking bar to be raised and disengaged from the cross bar and the arms when the said drawer is slightly withdrawn.

1,486,243. PROCESS FOR TREATMENT OF OIL SHALE AND APPARATUS THEREFOR. GEORGE C. HACKSTAFF, Denver, Colo. Filed Apr. 19, 1920. Serial No. 374,781. 6 Claims. (Cl. 196—25.)



2. A process for treating oil shale and the like, comprising feeding the shale along an incline, heating the same as it travels its inclined path, allowing it to fall after heating, and spraying it with water as it falls, collecting the shale water and resulting oil, and allowing the oil to accumulate on the surface of the water.

1,486,244. PENCIL HOLDER. ERICK O. HAMMERBERG, Chicago, Ill. Filed May 21, 1923. Serial No. 640,625. 1 Claim. (Cl. 24—11.)

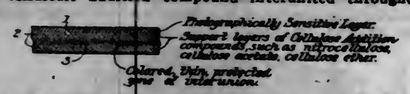


A pencil holder made from a single piece of material and comprising a body portion, clips carried by said body portion and adapted to yieldingly grip a pencil, a spring lever having an opening therein, and cloth engaging prongs projected through said opening and turned inwardly to determine the movement of said lever, and the distance to which the holder can enter the pocket, said prongs being spaced from each other so as to grip the cloth at spaced apart points to prevent said body portion from swinging with respect to the cloth, said prongs being adapted to enter the cloth to the depth of the prongs, the recess between the prongs preventing any further movement of the prongs into the cloth.

1,486,245. PHOTOGRAPHIC FILM WITH COLORED LAMINATED BASE. JAMES H. HASTE and ERWIN J. WARD, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 609,026. 1 Claim. (Cl. 95—9.)

As an article of manufacture, a pretinted photographic film comprising a photographically sensitive layer, and a flexible light-transmitting laminated support therefor

which includes two relatively thick transparent layers of cellulosic addition compound interunited throughout



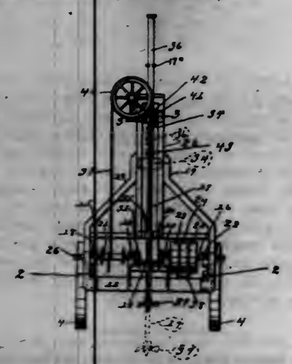
their adjacent faces, the relatively thin zone of interunion being colored and being protected mechanically and chemically by said thick layers.

1,486,246. FOUNTAIN PEN. OSCAR B. HJORTH, Janesville, Wis., assignor to The Parker Pen Co., Janesville, Wis., a Corporation of Wisconsin. Filed Sept. 1, 1922. Serial No. 585,815. 2 Claims. (Cl. 120—46.)



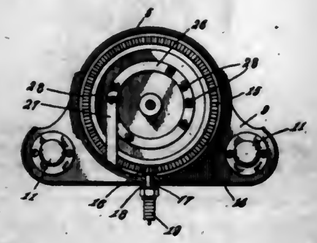
1. In a fountain pen, a self-filling mechanism comprising a pressure bar, a spring bar for operating the pressure bar, and means for operating said spring bar, said means comprising a hollow member formed with a plurality of resilient fingers whereby it is removably retained within a fountain pen barrel.

1,486,247. POSTHOLE DIGGER. DAVID S. HUNTER, Greensburg, Pa. Filed Mar. 7, 1919. Serial No. 281,170. 1 Claim. (Cl. 255—19.)



An earth boring machine comprising a frame, a vertically slidable shaft carried by said frame, the upper end of said shaft being slidably and rotatably mounted in a crosshead slidable in crosshead guides, the lower end of said shaft being slidably and rotatably mounted in spaced bearings, a bevel gear carried by said shaft and feathered thereon, driving mechanism for driving said bevelled gear, a drum located to one side of the bevelled gear carried by the shaft and operated through gear connections therewith, a pulley located adjacent the upper end of the shaft and carried by the frame, a cable connected to the crosshead and passing over the pulley and over the drum located adjacent the gear carried by the shaft, said cable forming means whereby the shaft may be lowered or raised as desired, a pin carried by the shaft above the crosshead for engaging the upper side of the crosshead and limiting the downward movement of the shaft, and an earth boring element carried by the lower end of the shaft.

1,486,248. SIGNAL. JOSEPH JEFFERY and HARRY SNYDER, Bangor, Me. Filed June 23, 1922. Serial No. 570,389. 2 Claims. (Cl. 116—43.)



1. In a device of the character described, a casing including a cylindrical body having display openings at its front and rear, and having a straight base projecting beyond the sides of the casing and terminating in upwardly rounded ends, side members for the base extensions connected to the periphery of the casing, and said extensions providing lamp housings, an indicia bearing drum journaled in the casing, means for turning the same to bring indicia thereof in a line with the sight openings in the casing, and means for illuminating the lamps in the lamp housings.

1,486,249. CAN OPENER. ANDREW M. JENSEN, Stockton, Calif. Filed May 31, 1923. Serial No. 642,710. 1 Claim. (Cl. 30—3.)

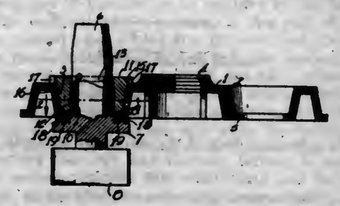


A can opener having at one end of a handle a blade and a support, said blade having two cutting edges, said support having two fulcrums located adjacent to but in front of said blade, the lower fulcrum being spaced from the blade but in substantial alignment with the upper cutting edge of said blade, said fulcrum being adapted to cooperate with the lower cutting edge of the blade to produce the initial incision, the upper fulcrum being adapted to cooperate with the upper cutting edge of the blade to finish opening the can.

1,486,250. ELECTRIC CONNECTION. MELVIN C. KING, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,215. 1 Claim. (Cl. 204—29.)

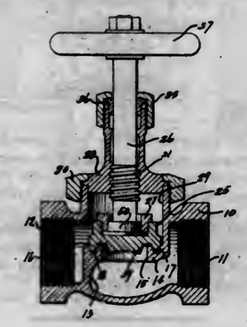
A device of the character described comprising a lead terminal member, a lead retaining nut, said terminal member and said nut being formed with a plurality of cooperating segmental threads of relatively low pitch on the contacting wall, whereby the terminal may be inserted into

the retaining nut and the latter moved into threaded engagement with said terminal when rotated less than a complete revolution, and means integral with said nut for



engaging the upper side wall of said terminal to occasion a liquid-tight contact between said nut and said terminal member.

1,486,251. VALVE. GEORGE KNIGHT, Sterling, Colo. Filed Dec. 31, 1921. Serial No. 526,136. 1 Claim. (Cl. 251—27.)



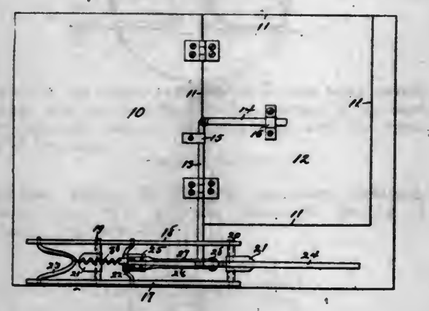
A valve comprising a body, a web partition mounted in said body including a horizontal seat provided with a passageway opening therein and having an annular groove concentric about said opening and upon the upper surface of said horizontal seat, said groove having a flat bottom surface and provided with upwardly extending diverging sides, a disc valve member of substantially the same material as said seat and including a depending annular extension providing a bottom surface and having upwardly diverging sides, and adjustable means mounting said valve disc member in said body for cooperation with said horizontal seat, and whereby the annular extension of said valve member may have the bottom surface and sides thereof in intimate contact with the bottom surface and sides of the groove in said seat, when said valve is closed.

1,486,252. LOCOMOTIVE WHISTLE. JOHN KRUTTSCHNITT, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,224. 3 Claims. (Cl. 116—137.)



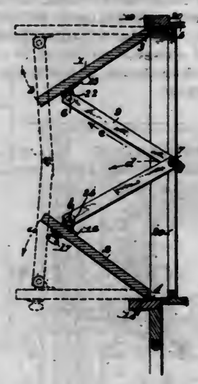
2. A locomotive whistle comprising a bell member; a steam connection; a valve-chamber member intervening and communicating with both the bell member and the steam connection; a valve within said chamber controlling said communication; a piston within said chamber connected with and spaced from said valve and exposed at all times to the fluid pressure of the steam connection oppositely to the pressure on the valve; a bypass connection of the valve chamber member around said valve and piston; a stem carrying said valve and piston and projecting from the valve chamber member; a spring-controlled, linearly-movable valve-operating wire connected with said stem; and a housing member for guiding said wire.

1,486,253. TRAPDOOR-OPERATING MECHANISM. FRANK A. KUNKEL, Marion Township, Plymouth County, Iowa. Filed July 3, 1922. Serial No. 572,568. 3 Claims. (Cl. 268—3.)



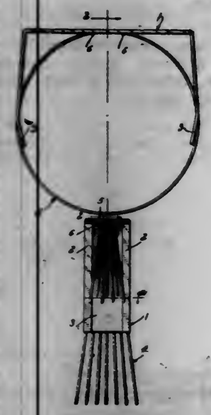
3. In a trap-door operating mechanism, the combination with a trap-door and a lever-operated rock-shaft slidingly engaging said door, of a frame adapted to be fixed to a floor in which the door is located and extending across said rock-shaft, spaced yokes pivoted in said frame, a clip carried by one yoke, a retractile coil spring connecting said clip to the other yoke, and twin rods connecting said clip adjustably to the lever.

1,486,254. LABIATE DOOR FOR PHONOGRAPH CABINETS. WILLIAM TROUPE LAKIN, Long, Md. Filed June 1, 1923. Serial No. 642,805. 6 Claims. (Cl. 274—2.)



1. Labiate doors, means by which they are mounted, an arm mounted on each door, means by which a rigid relation may be established between the arms and said mounting means only one arm assuming such rigid relation to the door upon an opening movement, and connecting means for said arms adapted to push the other arm and door to a corresponding degree of opening movement.

1,486,255. WIRE CHOPPER, PIE-CRUST MIXER AND FLAKER. CLARA BIRCHARD LAMBERT, Pasadena, Calif. Filed June 21, 1923. Serial No. 646,932. 4 Claims. (Cl. 107—53.)

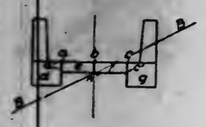


1. A pie crust mixer and flaker comprising a handle having a plurality of transversely alined laterally spaced mixers carried thereby, said mixers being bowed outwardly longitudinally and secured at their ends to said handle.

1,486,256. TREATMENT OF ORES. HUBERT MERRYWEATHER, Bethlehem, Pa., assignor to Bethlehem Steel Company, South Bethlehem, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1920. Serial No. 360,041. 7 Claims. (Cl. 75—18.)

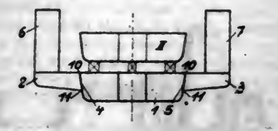
1. The method of treating an ore, which comprises submitting the ore in the presence of sulphur to a roasting temperature below the point of decomposition of the sulphates of the elements to be extracted, next leaching it and adding from the resulting solution to another charge of ore, then roasting and leaching the second-mentioned charge, whereby a larger proportion of one of the constituent elements contained in the second-mentioned and succeeding charge is recovered than from the first-mentioned charge.

1,486,257. FLOATING DOCK. MAX MÜLLER, Hamburg, Germany. Filed Mar. 30, 1922. Serial No. 548,232. 4 Claims. (Cl. 114—45.)



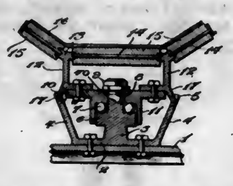
1. In a floating dock of the character set forth, side pontoons and an intermediate pontoon, the latter in rigid communicating connection with said side pontoons and its bottom face extending in a plane substantially higher than that of the alined bottom faces of said side pontoons.

1,486,258. FLOATING DOCK. MAX MÜLLER, Hamburg, Germany. Filed Dec. 22, 1922. Serial No. 608,406. 5 Claims. (Cl. 114—46.)



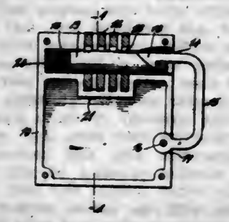
1. In a floating dock of the character set forth, in combination, a central pontoon and two side pontoons, the latter of less draft than said central pontoon and the decks of the several pontoons normally all in horizontal alinement.

1,486,259. IDLER FOR BELT CONVEYERS. GUS NELSON, Douglas, Ariz. Filed Mar. 23, 1923. Serial No. 627,110. 3 Claims. (Cl. 198—192.)



2. In a belt conveyer of the type described, the combination of a main support, a turntable mounted thereon, centering devices on the support and the turntable, antifriction devices arranged between the turntable and the support and housed by the centering devices, fixed stops on the support at one side of the turntable, a projection on the turntable playing between said stops to limit the pivotal movement of the turntable, and belt-supporting members carried by the turntable.

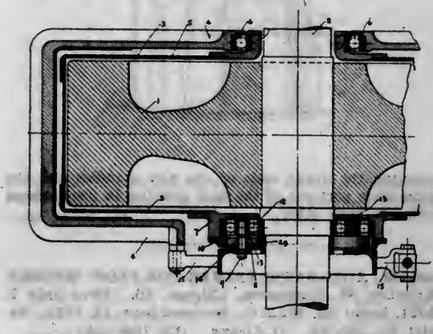
1,486,260. LOCK. WILLIAM E. NIE, Fort Erie, Ontario, Canada. Filed Aug. 8, 1921. Serial No. 490,789. 1 Claim. (Cl. 70—112.)



A lock comprising a casing of two half sections bolted or otherwise fastened together and presenting complementary portions co-acting to provide a bore extending parallel with the casing adjacent one end and a disc housing surrounding the bore intermediate the ends of the latter, said bore opening outwardly of the top face of the casing and the said casing having another and a smaller opening in the top face thereof arranged near the end opposite from that adjacent which the opening of the bore is located, a bearing pin mounted in the casing and extending crosswise of the latter immediately below the said other and smaller opening, a U-shaped shackle bolt having relatively long and short arms, the short arm of which extends thru the said smaller opening and is fulcrumed on the said bearing pin for swinging movement while the long arm is adapted to enter the opening of the said bore, said long arm having a barbed end and the said opening of the bore being enlarged to provide clearance for the said barbed end, a shackle-

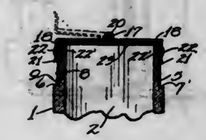
retaining member consisting of a cylindrical block movable longitudinally of the bore and having a notched end, a spring for normally positioning said block in the bore with its notched end adjacent the enlarged opening of the bore and in position to be engaged by the barbed end of the said shackle bolt, lugs on the said shackle-retaining member, and a plurality of numbered discs arranged in the said disc housing and provided, respectively, with a central opening thru which the said shackle-retaining member extends, each of said discs having its central opening notched to provide clearance for the lugs of the said retaining member only when the notches of all of the discs are in alignment with the said lugs.

1,486,261. GYROSCOPIC AND OTHER ROTORS. CARL L. NORDEN, Brooklyn, N. Y. Filed Nov. 24, 1916. Serial No. 133,118. 9 Claims. (Cl. 74—78.)



1. The combination of a rotor, a surrounding casing concentrically mounted with the rotor, connections between the rotor and the casing adapted to control the ratio of speed and the direction of rotation between them, whereby the fluid friction of the rotor may be controlled.

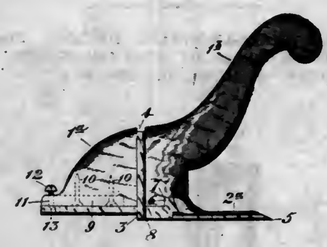
1,486,262. SALT AND PEPPER SHAKER. LUIS M. ORTIZ and SMITH E. GILMORE, Chama, N. Mex. Filed June 3, 1921. Serial No. 474,611. 1 Claim. (Cl. 65—45.)



A closure for a two compartment condiment container comprising a cylindrical member having a perforated closed end, and lugs projected upwardly from said end, two covers hingedly secured to said lugs and being adapted to swing independently of one another, a single spring adapted to swing said covers so that their outer surfaces abut one another, and spring clips carried by said covers and being adapted to engage with said closure to yieldingly hold said covers in closed position, whereby said spring is placed under tension, said spring being adapted to swing either of said covers, when released, into a superimposed position upon the other cover.

1,486,263. CHIPPING TOOL. FERDINAND PARCELLI, Mount Kisco, N. Y., assignor of one-half to Frank Pasquale, Mount Kisco, N. Y. Filed June 9, 1923. Serial No. 644,450. 3 Claims. (Cl. 145—24.)

1. A device of the character described, comprising a cutter having an upper and a lower shoulder, with a reduced portion extending forwardly from the lower shoulder; a handle with a notch in its upper edge; and a securing band surrounding the handle with its upper end received into said notch, and with its lower end projecting below the handle sufficiently to receive the reduced



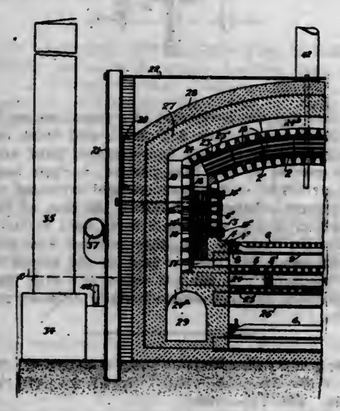
portion of the cutter, said reduced portion being passed through said downwardly projecting portion of the band with its under shoulder in engagement with the lower end of the band.

1,486,264. SEAL. EMANUELE J. PASSANISI, Cleveland, Ohio. Filed Nov. 29, 1922. Serial No. 603,914. 1 Claim. (Cl. 292—318.)



A seal of the character set forth comprising a strip of metal adapted to link the elements to be sealed and provided adjacent each end with an aperture, and a substantially rectangular hollow metal housing provided with an opening and having a latch positioned therein, said latch being formed from wire and having one end thereof fastened to said housing, said latch extending across the opening in said housing and along one side and across the wall opposite to said opening and thence forwardly and terminating in a hook, said hook contacting with the portion of said latch extending across said opening and adapted to engage in the apertures in the ends of said strip.

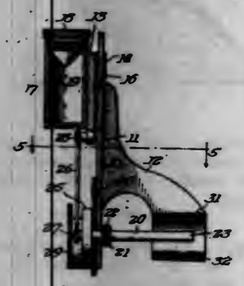
1,486,265. ANNEALING LEER OR FURNACE. ROBERT D. PIKE, San Francisco, Calif. Filed Oct. 25, 1922. Serial No. 596,732. 22 Claims. (Cl. 49—47.)



8. A glass annealing leer comprising a muffle, enclosed passageways formed in the walls of the muffle and communicating with the interior thereof, said passageways

being so arranged as to receive heat transmitted from the walls of the muffle so as to cause convection currents to be circulated over the articles within the muffle.

1,486,266. AMALGAM-MIXING DEVICE. JAMES S. ROSENBLATT, Chicago, Ill. Filed Jan. 25, 1922. Serial No. 531,598. 3 Claims. (Cl. 259—91.)



1. In an amalgam mixing device, the combination of a cylindrical container mounted for reciprocation in a direction along its length, a stationary closure head for an end of the container formed with a conical portion extending centrally into the cavity of the container and adapted to pierce and spread the material, and means for imparting reciprocation to the container; said closure head being removable without disassembling the reciprocating means.

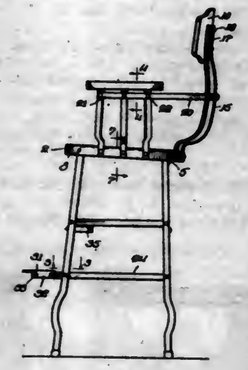
1,486,267. ATTACHMENT FOR FURNITURE LEGS. JOSEPH SALOMON, Chicago, Ill. Filed Mar. 29, 1919. Serial No. 286,145. 3 Claims. (Cl. 16—42.)



1. A shoe for the lower end of a furniture leg formed from a blank struck from flat metal, said blank embodying a substantially circular base portion, right angle extensions carried by the base portion, a right angle extension carried by each aforementioned extension and being of an area substantially half of the area of the first mentioned extension, said blank being bent at the points of connection between the base portion and the first named extension and further bent at the points of connection between the connected extensions with the adjacent extensions forming perpendicularly disposed gripping members.

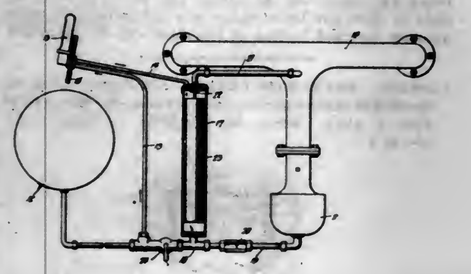
1,486,268. METAL CHAIR. JOSEPH SALOMON, Chicago, Ill. Filed June 23, 1921. Serial No. 479,721. 7 Claims. (Cl. 155—194.)

1. In a chair; a multiplicity of flattened resilient metal spindles attached to the sides of the chair seat, arms secured to the top of said spindles, flattened back spindles of resilient metal having their lower ends attached to the seat, a backboard attached to the free ends of said back spindles, and a unitary resilient tie bar attached to and



connecting the upper ends of the arm spindles and the intermediate portions of the back spindles in fixed spaced relation to each other.

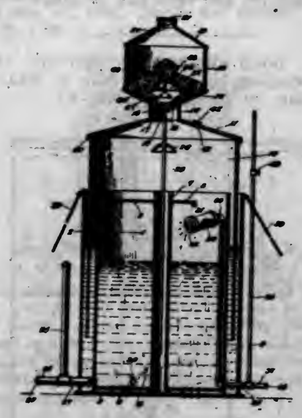
1,486,269. AUTOMATIC PRIMER FOR FLOW METERS. RUDOLPH W. SCHROEDER, Chicago, Ill. Filed July 2, 1921, Serial No. 482,276. Renewed Sept. 13, 1922. Serial No. 588,084. 11 Claims. (Cl. 158—36.)



1. The combination with a liquid burning engine having a source of fuel supply from which fuel runs by gravity to said engine, of a flow meter in the fuel circuit situated at a point above the fuel level of said source of supply, and a connection with said engine for exhausting gaseous material from said flow meter.

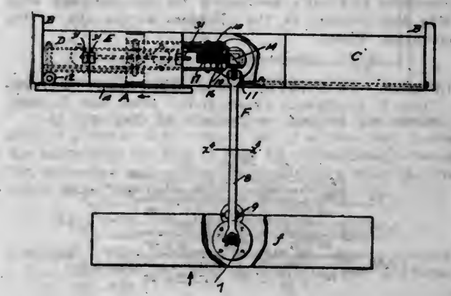
1,486,270. ACETYLENE-GAS GENERATOR. EDGAR E. SPRINKLE, Fort Smith, Ark. Filed Sept. 2, 1922. Serial No. 585,964. 4 Claims. (Cl. 48—58.2.)

3. The combination of a generating chamber, a bell fitted over said chamber and sealed against the same, a hopper carried by said bell and having an opening in its bottom to establish communication with the bell, a valve normally closing the opening in the bottom of the hopper, a stem depending from said valve and adapted to impinge against the bottom of the generating chamber whereby descent of the bell will unseat the valve and ascent of the bell will permit the valve to seat, a supplemental hopper within the first mentioned hopper, a valve normally preventing discharge from the supplemental hopper and arranged in vertical alinement with the first-men-



tioned valve, and means whereby said second-mentioned valve will be opened by contact with the first-mentioned valve in an extreme low position of the bell.

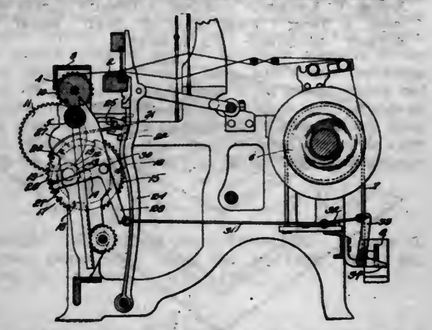
1,486,271. DOOR LOCKING, RELEASING, AND OPERATING MEANS. HARRY R. TSUTSUI, Los Angeles, Calif. Filed Apr. 12, 1918, Serial No. 228,215. Renewed Nov. 30, 1923. 1 Claim. (Cl. 268—8.)



In an automatic door operating mechanism, the combination with a slidably mounted door, of a rack carried by the door, an operating pinion for said rack and means for operating said pinion including a driving pinion operatively connected with said door rack operating pinion, a vertically shiftable actuating rack for engaging said driving pinion, a vehicle wheel-operated member located at one side of the door-way and adapted to be depressed, and a lever connecting said vertically shiftable rack and the wheel-operated member.

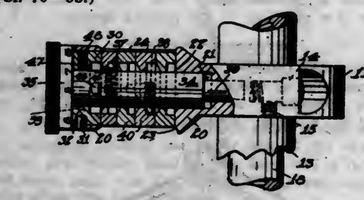
1,486,272. LOOM. JAMES A. ADAMS, Waltham, Mass., assignor to The Boston Manufacturing Company, 1901, Waltham, Mass., a Corporation of Massachusetts. Filed Dec. 5, 1922. Serial No. 605,063. 15 Claims. (Cl. 139—24.)

6. In a loom, the combination with a takeup mechanism including a cloth beam and a train of gears through which the takeup movement is imparted to said beam, of a ratchet wheel secured to one of the gears of said train and rotating therewith, said ratchet wheel having teeth in its edge separated by smooth faces, a pawl riding on the edge of said wheel, and means for reciprocating said



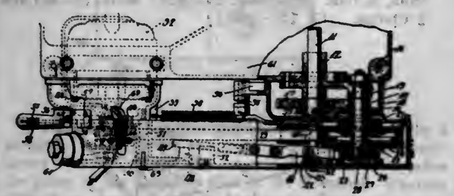
pawl, whereby said pawl is operative upon engaging a tooth of said wheel to impart a quick takeup movement to said roll.

1,486,273. PERMUTATION LOCK FOR STEERING COLUMNS. CHARLES M. ALLISON, Worcester, Mass. Filed Jan. 15, 1923. Serial No. 612,603. 4 Claims. (Cl. 70—53.)



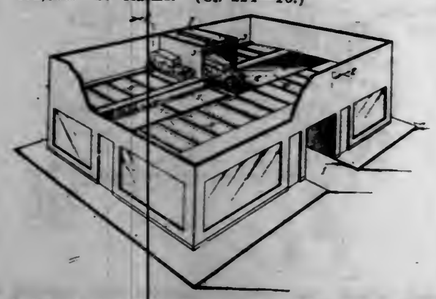
1. In a lock, the combination of a cylinder, a bolt extending through said cylinder and adapted to be projected therefrom to lock it, a collar in which said bolt is rotatably mounted and having a wall surrounding it, said wall being provided with a passage therethrough, the bolt having a series of staggered projections, one of which is adapted to enter said passage when the head is turned to a definite position to permit the bolt to be withdrawn, and a series of rings in said cylinder rotatably mounted on the bolt, each having a passage therethrough for one of the projections on the bolt.

1,486,274. DRIVING MECHANISM FOR SLICING MACHINES. RUDOLPH BACHMAN, Laporte, Ind., assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed July 22, 1922. Serial No. 576,681. 11 Claims. (Cl. 146—102.)



1. The combination with a slicing machine frame, of a drive shaft journaled in said frame, a motor mounted in said frame, a stud shaft mounted on said frame and having a sleeve journaled thereon, gearing connecting said drive shaft and sleeve, a pulley journaled on said sleeve, a friction clutch member splined on said sleeve, a belt connecting said motor and pulley, and a hand lever for controlling said friction clutch.

1,486,275. STORAGE AND HANDLING OF MOTOR VEHICLES. ALFONSE N. BECKER, Chicago, Ill., assignor to Alfonse N. Becker, Charles T. Jacobs, and Ernest V. Lundgren, trustees, Automatic Garage Systems, a Trust. Filed May 23, 1921. Serial No. 471,608. 13 Claims. (Cl. 214—16.)



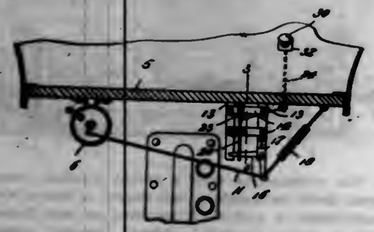
1. In a garage construction, the combination with two separated rows of individual parking spaces, of a transfer table positioned in the aisle between said rows and adapted to move lengthwise thereof, means arranged transversely to the aisle and between certain of the parking spaces for giving access to the table, and two loading spaces on said table either of which is adapted to move into alignment either with said means or with any one of a plurality of the parking spaces.

1,486,276. SKYLIGHT. BENJAMIN P. BLASKI, Chicago, Ill., assignor to Blaski Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1920. Serial No. 420,033. 6 Claims. (Cl. 108—31.)



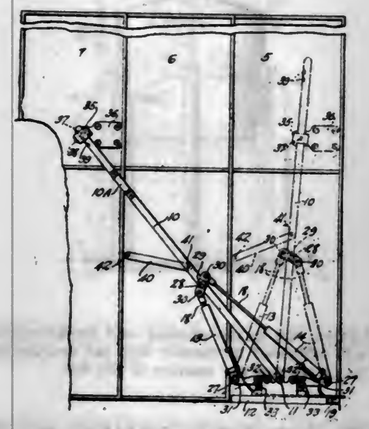
1. In combination, a supporting frame, closure means for said frame, means for moving said closure means relatively to said frame comprising a link pivoted at one end to said frame and at the other end to said closure means, means for swinging said link relatively to said frame, upwardly extending guide means associated with said frame, and means carried by said closure means and slidably engaging said guide means, for the purpose specified.

1,486,277. GAS-LINE CUT-OFF. CHRIS BORDEN, Burbank, S. Dak. Filed Mar. 27, 1923. Serial No. 627,969. 2 Claims. (Cl. 137—139.)



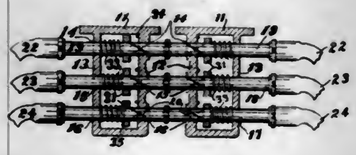
1. In a cut out for gas lines of motor vehicles, wherein the same is provided with a cut off valve, a bracket secured to the vehicle dash board, a bell crank pivoted to said bracket, a connection between one arm of said bell crank, and the said valve of the gas line, means for swinging said bell crank upon its pivot for closing said valve, and means for maintaining said valve crank in a position whereby said valve may be opened.

1,486,278. DOOR-OPERATING DEVICE. THOMAS BRADY, Woodcliff, N. J. Filed Nov. 3, 1919. Serial No. 335,542. 11 Claims. (Cl. 268—8.)



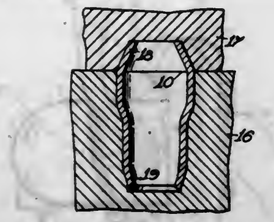
1. A door operating device, comprising a swinging lever arranged for connection with a door at one end, pressure operated power cylinders connected with opposite sides of said lever for swinging the same in opposite directions and valve mechanism for automatically trapping the pressure in the cylinders at the end of the operation thereof.

1,486,279. AUTOMATIC HOSE COUPLING. THEOPHILUS T. BURCHELL, Akron, Ohio. Filed Apr. 7, 1920. Serial No. 371,937. 1 Claim. (Cl. 284—6.)



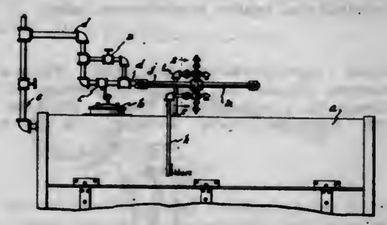
In combination with a car coupler, pipe supporting means attached to the underside thereof, said means comprising a box-like casing provided with spaced vertical parallel walls disposed at a right angle to said coupler, a horizontal bore extending through said walls, a pipe suitably mounted in said bore, the wall of the bore in the forward wall provided with a helically disposed groove, the pipe provided with a helically disposed flange adapted to fit in said groove, a collar positioned on said pipe between said walls, a spring mounted on said pipe between said collar and the rear wall of said casing, said spring adapted to normally hold said pipe in said bore with its outwardly extending end projecting beyond said coupler so that the same will be moved longitudinally in said bore upon being brought into contact with a like pipe similarly mounted, said pipe provided on its outwardly extending end with means to lock it to said like pipe when the said pipes are given a rotary movement by being forced longitudinally in said bore, a normally closed valve within said head and means adapted to automatically open said valve when the pipe is coupled to a like pipe.

1,486,280. METHOD OF MAKING CHUCK SLEEVES. HJALMAR G. CARLSON, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 22, 1922. Serial No. 602,636. 5 Claims. (Cl. 29—156.)



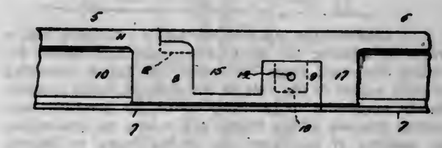
1. The method of making a hollow metal article having an open tapered end which consists in forming a tubular blank, forming an internal sharp shoulder near said open end, and then longitudinally compressing the metal blank in hollow dies, one of which has a conical cavity therein to bend inwardly the open end about said shoulder as a center.

1,486,281. STEAM-LINE CONTROL. EMMANUEL CHADWICK, Detroit, Mich. Filed July 19, 1923. Serial No. 652,656. 5 Claims. (Cl. 169—2.)



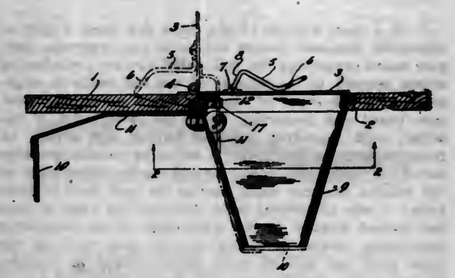
1. In apparatus for the purpose specified, the combination of a steam line, a waste line, a service line, means for controlling the flow of fluid by automatically closing the waste line and opening the service line when the live steam flows into the control device.

1,486,282. RAIL JOINT. MILES A. CROSBY, Glencoe, Pa. Filed Sept. 6, 1923. Serial No. 661,181. 2 Claims. (Cl. 238—235.)



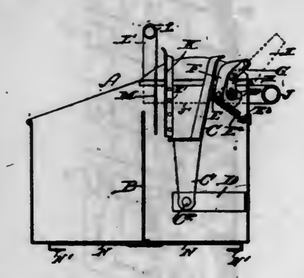
1. In a rail joint of the class described, a pair of rail sections, one of said rail sections having the end of its ball and web portions removed to leave the base thereof projecting, spaced integral upstanding block members formed upon said projecting base portion, one of said block members being extended from the web and ball portions of said rail sections and having a longitudinal groove in its upper surface, the other of said block members being disposed at the end of the projecting base portion and having a vertical socket opening through the top thereof, said socket being intersected by transverse openings, the other of said rail sections having the ends of its web and base portions removed to leave the ball portion thereof projecting the free end portion of said projecting ball portion being reduced at its under side for seating reception within the longitudinal groove, a relatively thick block member depending from the projecting ball portion of the second named rail section and located between the end of said projecting ball portion for seating reception between the block members of the first named rail sections, a plate like tongue depending from the projecting ball portion of the second named rail section inwardly of the depending block member thereof and adapted to snugly seat within said socket, said plate like tongue having a transverse opening adapted to align with the transverse opening in the socketed block member for reception of a bolt.

1,486,283. CUSPIDOR FOR VEHICLES. CALVIN O. DEIS, Dover, Ohio. Filed Oct. 20, 1922. Serial No. 595,792. 3 Claims. (Cl. 4—267.)



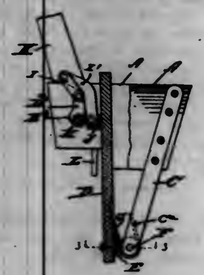
1. A cuspidor including an open ended casing, a hinged door normally closing the upper end of the casing, an angular arm rigidly fixed to the door and a lid rigidly fixed upon said arm for closing the lower end of the casing when the door is opened.

1,486,284. COMBINED MOP WRINGER AND PAIL. JAMES M. EIFFE, Fultonville, N. Y., assignor to White Mop Wringer Company, Fultonville, N. Y., a Corporation of New York. Filed May 24, 1923. Serial No. 641,116. 4 Claims. (Cl. 15—261.)



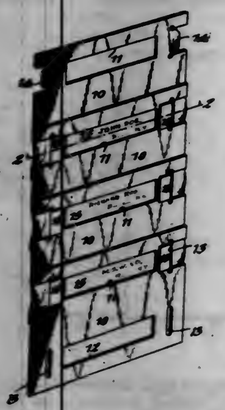
1. In a combined mop wringer and pail, a receptacle, a partition wall dividing the receptacle into two compartments with the upper edge of said partition wall below the plane of the inclosing wall of the receptacle, whereby a spout is provided for the discharge of water from one of said compartments, a mop wringer including a substantially vertical stationary pressure board, and a baffle plate located in spaced relation between one of the pressure boards and the partition wall and extending above the plane of the upper edge of the latter, whereby water expressed by the mop wringer may be directed into the compartment containing the wringer.

1,486,285. MOP WRINGER. JAMES M. EIFFE, Fultonville, N. Y., assignor to White Mop Wringer Company, Fultonville, N. Y., a Corporation of New York. Filed May 24, 1923. Serial No. 641,118. 2 Claims. (Cl. 15—261.)



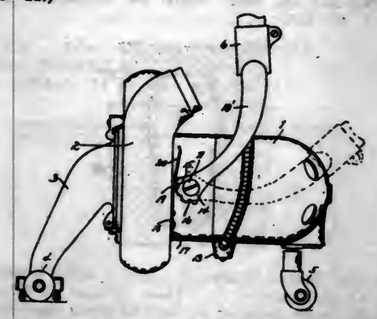
1. In a mop wringer of the class described, a pair of oppositely disposed wooden end walls; a transverse pressure board connecting the end walls together; reinforcing straps secured to the outside of the end walls in alignment with the edges of the transverse connecting pressure board and projecting below the lower edge of the latter, said depending portions having lugs struck up from the body of the metal; a swinging wooden pressure board; a reinforcing strap secured to the lower edge of the wooden pressure board having its ends bent to form hubs; a pair of pivotal bolts securing the hubs of said last named member to the lower ends of the depending reinforcing straps; a spring sleeved upon each of the hubs with one end of each spring lodged in recesses formed in the movable pressure board, the other end of each spring being engaged by the lugs struck up from the body of the depending portion of the reinforcing straps, and means for actuating the swinging pressure board.

1,486,286. STENCIL. GUY J. EVANS, Buffalo, N. Y. Filed Dec. 11, 1920. Serial No. 429,884. 3 Claims. (Cl. 101—127.)



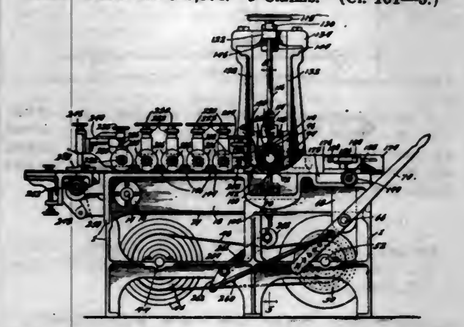
1. A stencil comprising two frame sections arranged side by side and provided with corresponding printing openings, and one of said frame sections being provided at opposite ends of its printing openings with locking openings, and the other frame section being provided at opposite ends of its printing opening with locking lips which engage with said locking openings, and a stencil sheet which is secured between said frame sections.

1,486,287. VACUUM CLEANER. ROBERT R. FIELD, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 5, 1921. Serial No. 449,779. 6 Claims. (Cl. 306—11.)



1. The combination with a vacuum cleaner having a motor casing and a fan casing, of a handle having a bifurcated end portion pivotally connected to said motor casing near its forward end, one of said furcations being formed of soft metal, a wear plate secured to one side of said furcation at the lower end thereof and corresponding in shape thereto, said wear plate having struck-out ears embedded in said furcation, and a latch mounted on said fan casing engageable with notches in said wear plate for holding said handle in different positions of rotative adjustment relative to said motor casing.

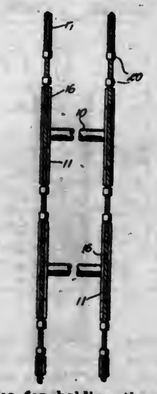
1,486,288. WOODWORKING MACHINE. WILLIAM H. FORSYTH, Chicago, Ill., assignor to Boynton & Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1923. Serial No. 620,874. 9 Claims. (Cl. 101—5.)



1. A woodworking machine having an embossing roll, a frame for guiding the work toward the roll, means for feeding the work alogn the frame, the frame extending at right angles to the axis of the roll and being approximately tangential to the roll, means for pivotally supporting one end of the frame, and means for controlling the position of the other end of the frame to thereby regulate the pressure of the embossing roll on the work.

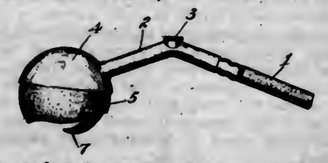
1,486,289. LADDER. WILLIAM P. GREEN, San Francisco, Calif. Filed Apr. 2, 1923. Serial No. 629,474. 2 Claims. (Cl. 228—40.)

1. A ladder of the character described comprising spaced side members, each side member including a plurality of sections and a single length of cable folded upon itself, and formed to provide a loop at one end of the latter, each section having a groove about the edge thereof and adapted to receive the adjacent portions of the cable, rungs connecting the corresponding sections of the respective side members, said sections having spaced openings to receive the reduced extremities of said rungs, and reduced bores arranged at a right angle to one of the openings and opening into said groove, and dowel pins



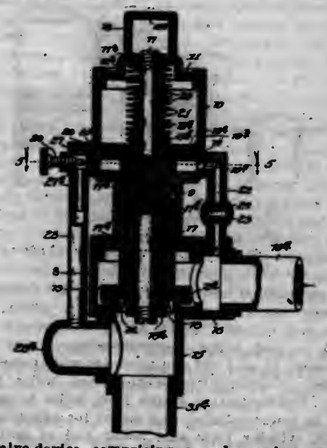
received by said bores for holding the rungs associated with the sections, said pins being held in position by the cable, and means for holding the adjacent portions of the cable in contacting engagement between said sections for spacing the latter.

1,486,290. NASAL MASK. ALFRED LITTAUER, New York, N. Y. Filed Jan. 21, 1918. Serial No. 212,882. 5 Claims. (Cl. 128—206.)



1. A nasal mask comprising a hollow member provided with a nasal aperture having resilient edges freely curling on contact with the face to form a resilient seal therewith.

1,486,291. VALVE DEVICE. MICHAEL J. MCANENY, Denver, Colo. Filed Oct. 18, 1922. Serial No. 595,338. 7 Claims. (Cl. 137—98.)



1. A valve-device comprising a valve-casing provided with an inlet and an outlet, piston-mechanism having spring-raised piston and an inlet and an outlet, a valve seating in the casing against its outlet and having a stem passing loosely through and confining the piston against the spring, said piston-mechanism inlet having valved communication with the casing-inlet for controllably introducing fluid under pressure from the supply thereto to the piston-mechanism to initially unseat it and compress said spring for fully opening by its recoil the valve in the casing.

1,486,292. PROCESS OF DYEING RAW SILK. EUGENE L. MAUPAI, New York, N. Y. Filed Apr. 23, 1923. Serial No. 634,177. 5 Claims. (Cl. 8—5.)

1. The process of treating raw untwisted silk, which consists in first dyeing it, then diazotising it to harden the gum in the silk and fix the color, and then subjecting it to a developing solution.

1,486,293. MINING SYSTEM AND APPARATUS. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed June 23, 1920. Serial No. 391,213. 60 Claims. (Cl. 262—1.)



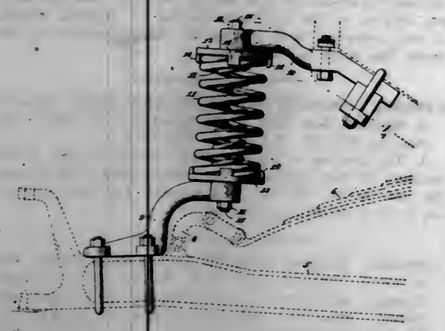
1. In a system of mining, the combination with a series of roof supports each having an elongated base adapted to engage the floor of the mine chamber over a comparatively large area, of means for connecting each roof support to the next adjacent roof support, and mechanism mounted on each roof support for shifting longitudinally the position of the next adjacent roof support by means of such connections.

1,486,294. COMBINATION POCKETKNIFE AND FOUNTAIN-PEN HOLDER. ROBERT W. MORRIS, Waupun, Wis. Filed Dec. 5, 1922. Serial No. 604,998. 4 Claims. (Cl. 7—16.)



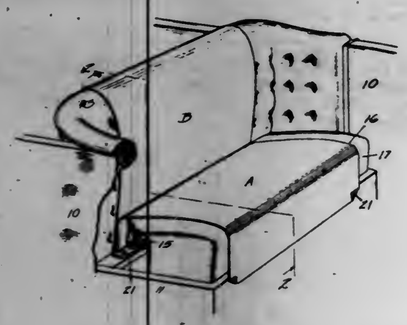
1. A device of the class described comprising a plate having recesses therein, one of said recesses being formed longitudinally of one face thereof, a hinged receiving member carried at one end of said plate in longitudinal alinement with said last-mentioned recess, an article carried thereby, and hinged means at the opposite end of said plate to secure said article in said longitudinal recess.

1,486,295. VEHICLE SPRING. CHARLES M. MULLEN, Kokomo, Ind. Filed Apr. 16, 1923. Serial No. 632,515. 2 Claims. (Cl. 267—28.)



1. In a vehicle spring appliance, an arm attached to the axle extending inwardly toward the center of the vehicle, another arm attached to the body of the vehicle and extending outwardly so as to lie in substantially the same vertical plane as the before-mentioned arm, bearing-plates attached to said arms, a load spring having its opposite ends bearing against said plates, and a coil tension spring enclosed within the load spring and having its opposite ends anchored to said plates.

1,486,296. SEAT COVER FOR AUTOMOBILES. ORVILLE B. OLSON, Webster City, Iowa. Filed July 23, 1923. Serial No. 653,170. 3 Claims. (Cl. 155—182.)

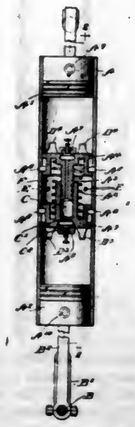


1. An automobile seat cover comprising a rectangular sheet of material having eyelets formed in its corners, a pair of intermediate flaps formed on said sheet of material and arranged on opposite sides thereof, said flaps having eyelets formed therein near their ends.

1,486,297. PROCESS FOR CONCENTRATING MIXED SULPHIDE ORES. ROLLIN A. PALLANCH, Victor, Colo., assignor, by mesne assignments, to Metals Recovery Company, New York, N. Y., a Corporation of Maine. Filed July 7, 1922. Serial No. 573,436. 1 Claim. (Cl. 83—85.)

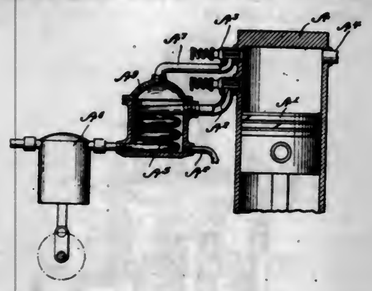
A process for separating lead sulphide from zinc sulphide in ores containing mixed lead and zinc sulphides which consists in submitting such ore to flotation separation in the presence of calcium sulfite to obtain a float concentrate of lead sulphide.

1,486,298. INTERNAL-COMBUSTION ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921, Serial No. 441,975. Renewed Aug. 17, 1923. 1 Claim. (Cl. 123—78.)



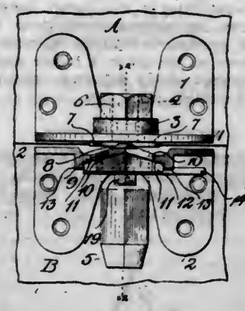
In an internal combustion engine, the combination of a power cylinder, a slidable power piston therein, a secondary piston having a male extension, a piston having a bore within which the said male extension slidably fits, operable check valves in said pistons, a spring, means whereby the pressure of said springs tends to force said pistons apart, means for introducing an explosive charge in the space between said check valves, means for intaking and compressing firing charges in the power cylinder, means for firing said charges by the heat of the exhaust of the minor compressed charge, and means for transmitting power to a crank shaft, substantially as described.

1,486,299. CARBURETOR. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921, Serial No. 441,982. Renewed Aug. 17, 1923. 1 Claim. (Cl. 123—34.)



In an internal combustion engine, the combination of a power means, a power cylinder, a piston, operable intake and exhaust valves, an air compressor, a boiler, a coil in said boiler, communicating means from air compressor to said coil and to an operable valve on power cylinder, communicating means from boiler to a fuel supply, communicating means from boiler to an operable valve on power cylinder, and means for admitting charges to said cylinder from said boiler and of igniting them by highly compressed air from said coil, substantially as described.

1,486,300. ALIGNING DEVICE FOR FLASKS. WILEY T. RABUN, Huntington Park, Calif. Filed Dec. 10, 1921. Serial No. 521,366. 2 Claims. (Cl. 22—100.)



1. A flask composed of sections, a plate fastened to one of said sections and supporting a vertical pin, a plate fastened to the other of said sections and formed with a slot to accommodate said pin, the under faces of the sides forming the slot inclining to the horizontal and constituting a slideway, a follower member operable in said slideway and having a cut-out portion and an elongated opening, and a wedge member in and operable laterally of said follower member, to move said follower member relatively to said pin and on the under side of said plate, and a means to connect said wedge and follower member.

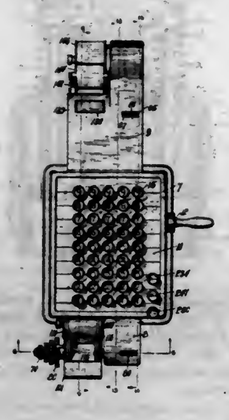
1,486,301. BOX. JOHN WESLEY RODGERS, Warrenton, N. C. Filed Jan. 17, 1923. Serial No. 613,216. 1 Claim. (Cl. 229—11.)



A box of the class described comprising a housing having open ends with a slot in one wall opening through one end, an inner member slidable in said housing on one wall thereof and normally extending throughout the length of the housing, said slidable member being in the form of a strip folded to provide an end closure for the housing with a flap in advance of said closure, the flap extending inwardly and engaging the other wall of the housing, the other end of said strip being folded to form parallel layers one of which is narrower than the other and adapted to lie flat upon each other when in closed position and forming a closure for one other end of the housing, said strip beyond said layers having a flap folded outwardly on the body portion of the strip and adapted to engage the slotted wall of the housing, said strip having an outstruck tongue adapted to extend through the slot in the housing, and a seal to extend over the slotted portion of the housing and hold the inner member encased within the housing.

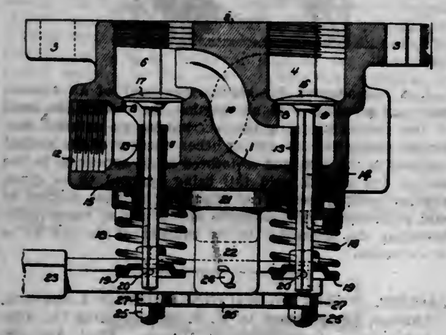
1,486,302. AUTOMATIC TICKET STAMPING AND RECORDING MACHINE. EDWARD B. ROHMER and LOUIS C. MUHLLER, Toledo, Ohio. Filed Mar. 13, 1922. Serial No. 543,174. 35 Claims. (Cl. 101—68.)

1. In a machine of the class described, a set of keys selectively movable from normal to operating position, movable means limited as to permissible movement by each key when in operating position and capable of a different predetermined movement for each key, a movable printing element having a different designating mark for each key, means connecting the first means and element for imparting movement from one to the other to place in printing position a designating mark on the



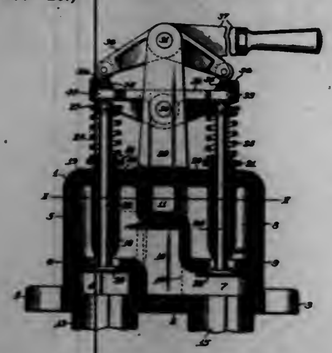
element, which mark corresponds to the key disposed in operating position, manually controlled means operable to move the first means, and means automatically operable to lock the first means and element in shifted position during a predetermined portion of the movement of the last means.

1,486,303. VALVE. CHARLES A. ROSS, Detroit, Mich. Filed May 7, 1920. Serial No. 379,510. 3 Claims. (Cl. 277—20.)



1. A valve of the type described comprising a rectangular body, having an intake chamber and an outlet chamber in each side portion thereof so that the arrangement of said chambers places the intake chambers in diagonal relation and the outlet chambers in diagonal relation, said body having ports disposed in parallel planes with each port connecting an intake chamber to an outlet chamber, said body having exhaust chambers adapted to be placed in communication with said outlet chambers, valves controlling the communication between the intake, outlet and exhaust chambers, means maintaining said valves normally closed, and operating means adapted for opening said valves.

1,486,304. VALVE. CHARLES A. ROSS, Detroit, Mich. Filed Mar. 5, 1921. Serial No. 449,707. 14 Claims. (Cl. 277—20.)



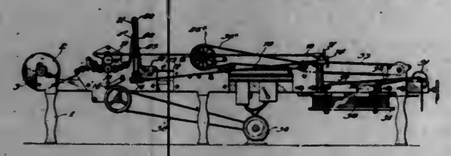
1. The combination of valves, a member adapted to operate said valves, and an operating member adapted to actuate the first-mentioned member, said members being arranged so that said members are automatically and positively held relative to each other by contact when in adjusted positions.

1,486,305. TRICK DEVICE FOR PERFORMANCES WITH ANIMALS. EDWIN SCHUBERT, New York, N. Y., assignor to Henry Grinbaum, New York, N. Y. Filed Dec. 14, 1922. Serial No. 606,886. 5 Claims. (Cl. 46—70.)



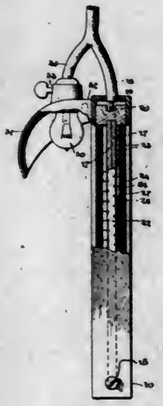
1. A box adapted for holding the body of an animal, such box provided with an opening thru which the head of the animal projects, the box having an exterior projection simulating the tail or other member of the animal confined in the box, and so located as to appear to be the tail of the animal, said tail being adapted to be given angular motion, means for imparting angular motion to said projection, and releasable means for so temporarily fastening the projection to the exterior of the box as to be concealed.

1,486,306. SHEETING MACHINE. HERMAN J. SCHULTZ, Chicago, Ill., assignor to W. F. Hall Printing Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1922. Serial No. 557,110. 10 Claims. (Cl. 164—68.)



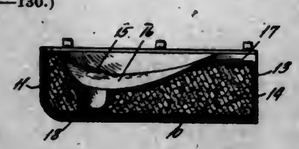
1. In a sheeting machine the combination with means for feeding a design printed paper sheet from a roll, of a severing mechanism for cutting the sheet into predetermined lengths, a speed regulator comprising two oppositely positioned belt driven cones operable to control the rate of travel of the sheet, a loop compensating mechanism comprising means for increasing or decreasing the size of paper loop for retarding or advancing the sheet to compensate for irregularities in the design, conveyor means adapted to carry the severed sheets from the cutting mechanism and gripping mechanism operable to deposit the severed sheets on the stack, a jogger mechanism for stacking the severed sheets delivered from the gripper mechanism in a straight sided pile.

1,486,307. FLYTRAP. CHARLES G. SEEFLUTH and JOHN BEBIOLKA, Pontiac, Mich.; said Bebiolka assignor to said Seefluth. Filed Mar. 1, 1923. Serial No. 622,116. 5 Claims. (Cl. 43—112.)



5. An electric fly and insect trap or destroyer of the class described comprising a channeled outer frame of insulating material, an inner frame of wood or other insulating material removably held therein and provided with a central groove in its inner walls, luring panels mounted in said grove, metal bars insulatingly supported in spaced parallel relation adjacent to the opposite faces of the inner frame, said metal bars having the intermediate portions thereof substantially Y-shaped in cross section and being disposed with the divergent arms thereof outermost to provide pockets adapted to receive bait, conducting distributors along the outer sides of the inner frame, conducting means connecting each distributor to alternate metal bars, and lead wires connected to said distributors.

1,486,308. KNEE PAD. THOMAS H. SHOOK, Mexia, Tex. Filed May 29, 1922. Serial No. 564,501. 1 Claim. (Cl. 2—130.)



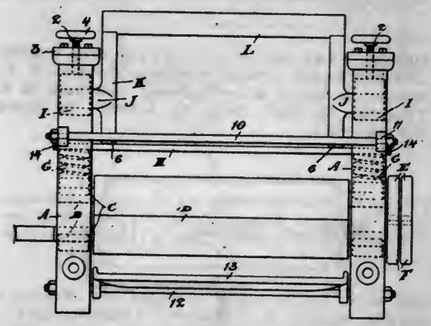
In a knee pad, a casing, a pad composed of a cover and filling material to maintain its configuration, said pad having a transverse supporting bridge at the rear and a concave portion extending forwardly therefrom to receive the knee cap with a further depression at the front of its base forming an air cushion and surrounded by an annular face disposed below the horizontal plane of said bridge to support the knee about the cap thereof, and means for securing the pad upon the leg of a wearer.

1,486,309. PLAITED BUTTON. NATHAN SPARER, Somerville, and MAX HALFERSON, Boston, Mass. Filed Jan. 18, 1923. Serial No. 613,530. 14 Claims. (Cl. 24—113.)



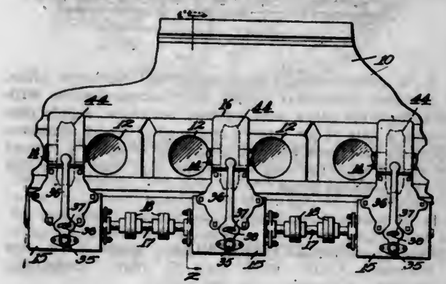
1. A button having a body portion and a face composed of unbolstered plaited material such as textile fabric.

1,486,310. SAFETY RELEASE FOR POWER-DRIVEN ROLLS OR CUTTERS. WILLIAM HENRY SUMBLING, Toronto, Ontario, Canada. Filed June 15, 1921. Serial No. 477,850. 1 Claim. (Cl. 68—32.)



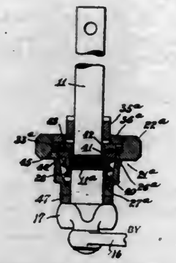
In combination a frame including end standards; a pair of rolls mounted to have bearing in said standards; a coiled-spring mounted in each of said standards to rest in contact with the upper of said rolls; a presser-bar resting upon said springs and adapted to be held in co-operative relationship to said standards; a box located within each of said standards near the top thereof; a screw associated with each of the said boxes and having threaded connection with the top of each of said standards, and pressure-exerting means journaled at each end in said boxes and normally in disengageable contact with said presser-bar the whole designed to co-act for the purpose set forth.

1,486,311. FURNACE FEEDING MECHANISM. IRVING A. TAYLOR, Worcester, Mass., assignor to Sanford Riley Stoker Co. Ltd., Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 21, 1919, Serial No. 278,472. Renewed Dec. 8, 1921. Serial No. 520,990. 6 Claims. (Cl. 110—109.)



5. In an underfeed furnace, a coal feeding ram, a crankshaft connected to reciprocate said ram, a driving shaft, change speed worm gear mechanism interposed between said driving shaft and said crankshaft, and controlling means by which said mechanism may be adjusted to drive said crankshaft continuously at a selected reduced speed.

1,486,312. STUFFING BOX, GLAND, AND PACKING THEREFOR. LOUIS ULLMAN, New York, N. Y. Filed Jan. 25, 1922. Serial No. 531,544. 5 Claims. (Cl. 286—7.)



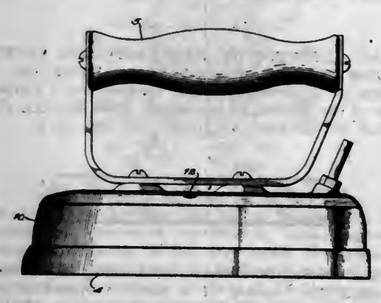
1. A stuffing box for a movable shaft, comprising a casing provided with a stepped opening, a compressible packing ring marginally engaged with a step in said opening, a member movable with said shaft and relatively to the packing ring, and a yieldably supported sleeve disposed about the inner marginal portion of said packing ring, whereby the latter may be held in contact with the member.

1,486,313. SCORE-CALCULATING DEVICE. EDITH VAN ANTWERP, Burlingame, Calif. Filed Feb. 24, 1923. Serial No. 620,879. 4 Claims. (Cl. 235—87.)



1. A game score calculating device comprising an outer slotted cylinder having the number of doubles longitudinally arranged thereon adjacent the slot, an inner cylinder having the possible base scores preferably arranged thereon and a plurality of circumferential columns of doubles arranged at intervals, each of said columns being arranged so as to be positioned adjacent the before mentioned doubles on the outer cylinder, the numbers of the base scores progressively increasing and the numbers in the respective circumferential columns forming permutation series with related columns.

1,486,314. ELECTRIC FLATIRON. ALBERT E. WAGGONER, Chicago, Ill. Filed Apr. 14, 1919. Serial No. 289,949. 6 Claims. (Cl. 177—311.)



6. In an electric flat iron, a casing, a plurality of plates, a heating element confined therebetween, one of said plates being provided with an opening to expose a

portion of said heating element and said casing being provided with a sight opening in alinement with said first named opening.

1,486,315. SNAP FASTENER. WILLIAM R. WILBY, Mount Clemens, Mich. Filed June 18, 1923. Serial No. 645,987. 5 Claims. (Cl. 24—208.)



1. A snap catch, having, in combination with a mushroomed head, an overengaging snap shell therefor, consisting of an apertured stamping having a straight edge on one side and an otherwise circular underturned edge constituting the remainder of its periphery, the points of union of the two portions of the edge of the stamping being formed as locking points for engagement under the edge of the mushroomed head, and that portion of the curved periphery of the stamping lying opposite its straight edge being provided with a similar locking point, said snap shell being adapted to be detached from engagement with said mushroomed head by being swung about the line joining said first named locking points as a center and being moved through a plane parallel with that of the mushroomed head.

1,486,316. COUPLING. HENRY J. ATTICKS, New York, and HENRY A. COUSSIRAT, Brooklyn, N. Y. Filed Apr. 26, 1922. Serial No. 556,643. 10 Claims. (Cl. 285—86.)



1. A hose coupling comprising a band having a compressible end portion, a clamp nut on the compressible end portion of the band, and a shank having a portion extending into the hose, the clamp nut cooperating with the shank and the compressible end of the band to compress a gasket between this end of the band and that portion of the shank which extends into the hose.

1,486,317. PROCESS OF MANUFACTURING SAFETY-RAZOR BLADES. JAMES F. BARRY, Dallas, Tex., assignor to Rival Safety Razor Corporation, a Corporation of the District of Columbia. Filed Mar. 21, 1923. Serial No. 626,549. 4 Claims. (Cl. 76—104.)



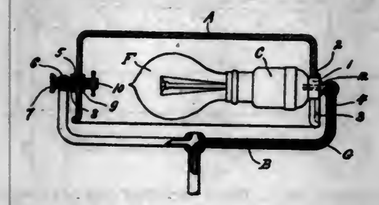
1. The process of manufacturing safety razor blades comprising the running of a strip or ribbon of steel through a punch to form central openings and adjoining end positioning slots or notches, tempering in a suitable bath, polishing on buffers, and finally sharpening on suitable hones.

1,486,318. CARLINE. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,652. 7 Claims. (Cl. 108—5.6.)



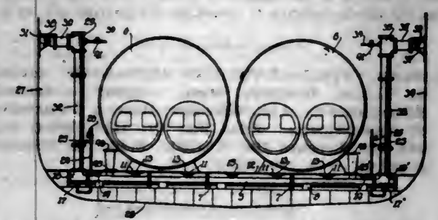
1. A sheet metal carline whose middle portion is made in the form of a hollow rib that tapers in width and in depth from ridge to ends and whose lateral base portions widen from ridge to ends, each lateral portion comprising a hollow rib that extends inwardly from the end thereof.

1,486,319. LAMP SHADE AND MEANS FOR MOUNTING THE SAME. AUGUST BOSTROEM, New York, N. Y., assignor to Samuel Robert Schwartz, New York, N. Y. Filed Nov. 23, 1920. Serial No. 426,068. 19 Claims. (Cl. 240—73.)



1. In a lamp, a shade, an opening in one end of the shade comprising a round portion and a slot portion and means on the other end of the shade whereby this end may be supported.

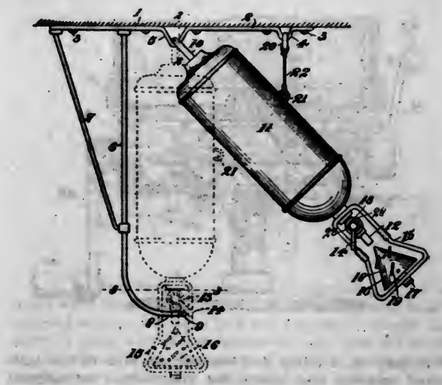
1,486,320. CONVEYER SYSTEM. CHARLES W. BROWN, Chicago, Ill. Filed Oct. 10, 1921. Serial No. 506,870. 3 Claims. (Cl. 302—28.)



1. In combination, a pair of vertical discharge pipes, a common horizontal supply pipe communicating with said discharge pipes, said common horizontal supply pipe having a pair of air intakes and a plurality of admission openings therebetween, and means for creating a current of air through the common supply pipe and either one of the discharge pipes.

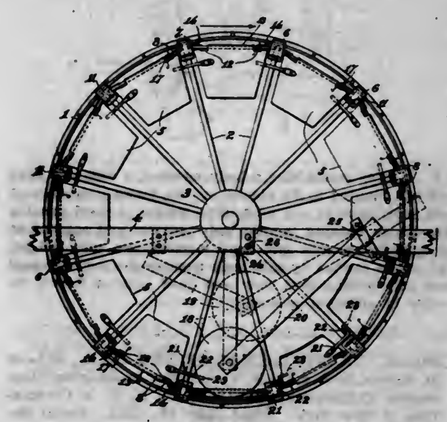
1,486,321. FIRE EXTINGUISHER. JAMES CASH, San Francisco, Calif. Filed May 27, 1922. Serial No. 564,009. 2 Claims. (Cl. 169—27.)

1. A fire extinguisher, including a closed elongated container provided at its upper end with a suspending yoke, a suspending bracket co-operating with the yoke permitting angular swinging movement of the container, a temperature controlled member connected with the container for suspending the same in an angular position, a discharge spout extending from the lower end of the container, a valve therein, a stem extending therefrom, an arm depending from said bracket for arresting the movement of the container on the release of said temperature



controlled member, and a finger extension at the lower end of said arm for operating said valve stem on said container assuming a substantially vertical position.

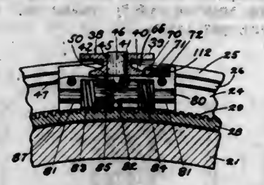
1,486,322. TREAD-INCREASING MEANS FOR TRACTION WHEELS. FREDERICK F. CHOITZ, Ellsworth, Kans. Filed Mar. 15, 1923. Serial No. 625,351. 8 Claims. (Cl. 301—48.)



1. A wheel including the spokes and rim, in combination with a series of wings hingedly mounted between the spokes adjacent the rim to swing outwardly from the wheel, a presser member for engaging the upper face of the lowermost wing when extended, and means on each wing for moving the succeeding wing into position to be engaged by said presser member, substantially as described.

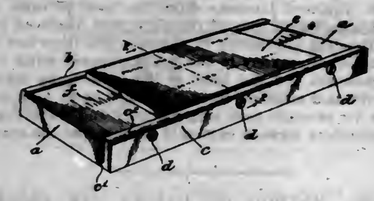
1,486,323. PRINTING-PLATE-SECURING MEANS. LESLIE W. CLAYBOURN, Milwaukee, Wis. Filed Dec. 27, 1922. Serial No. 609,287. 89 Claims. (Cl. 101—388.)

1. In a traveling hook device, the combination of a body having a cavity extending throughout the width of said body and provided with slots opening into said cavity from the side walls of said body, and a rotatable



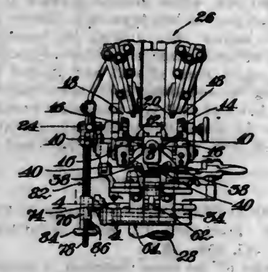
combined hook and wing-member comprising wings in said cavity arranged to project through said slots.

1,486,324. PRINTING PLATE. WILLIAM S. EATON, Sag Harbor, N. Y. Filed Dec. 13, 1921. Serial No. 522,016. 4 Claims. (Cl. 101—388.)



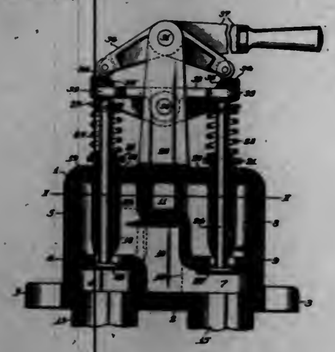
1. A printing plate embodying therein a thick metal base, a relatively thin metal face plate bearing an undersurface design thereon, means carried by said base and adapted to engage the edges of said face plate including therein a movable member, means whereby said member is adapted to have pivotal movement upon one edge of said base, and means whereby said movable member may be oscillated to permit it to be engaged with, or disengaged from the edge of the face plate to permit the mounting of a plate upon, or the removal of the plate from the base.

1,486,325. MACHINE FOR OPERATING ON SHOE BOTTOMS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 8, 1920. Serial No. 386,284. 19 Claims. (Cl. 1—18.1.)



8. A machine for operating on the bottom of a lasted unsoled shoe having, in combination, tacker mechanism, means for engaging in the welt crease to position the shoe for the operations to be performed thereon, devices for engaging the counter portions of the upper on opposite sides of the shoe to support the shoe while being operated upon, and means for operating the tacker mechanism to drive tacks into the shoe bottom while the shoe is thus supported.

1,486,304. VALVE. CHARLES A. ROSS, Detroit, Mich. Filed Mar. 5, 1921. Serial No. 449,707. 14 Claims. (Cl. 277—20.)



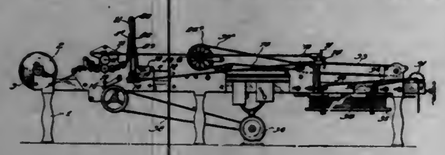
1. The combination of valves, a member adapted to operate said valves, and an operating member adapted to actuate the first-mentioned member, said members being arranged so that said members are automatically and positively held relative to each other by contact when in adjusted positions.

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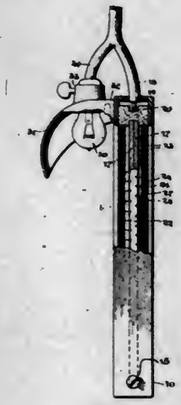
1. A box adapted for holding the body of an animal, such box provided with an opening thru which the head of the animal projects, the box having an exterior projection simulating the tail or other member of the animal confined in the box, and so located as to appear to be the tail of the animal, said tail being adapted to be given angular motion, means for imparting angular motion to said projection, and releasable means for so temporarily fastening the projection to the exterior of the box as to be concealed.

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1. In a sheeting machine the combination with means for feeding a design printed paper sheet from a roll, of a severing mechanism for cutting the sheet into predetermined lengths, a speed regulator comprising two oppositely positioned belt driven cones operable to control the rate of travel of the sheet, a loop compensating mechanism comprising means for increasing or decreasing the size of paper loop for retarding or advancing the sheet to compensate for irregularities in the design, conveyor means adapted to carry the severed sheets from the cutting mechanism and gripping mechanism operable to deposit the severed sheets on the stack, a jogger mechanism for stacking the severed sheets delivered from the gripper mechanism in a straight sided pile.

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1,486,308. KNEE PAD. THOMAS H. SHOOK, Mexia, Tex. Filed May 29, 1922. Serial No. 564,501. 1 Claim. (Cl. 2—130.)



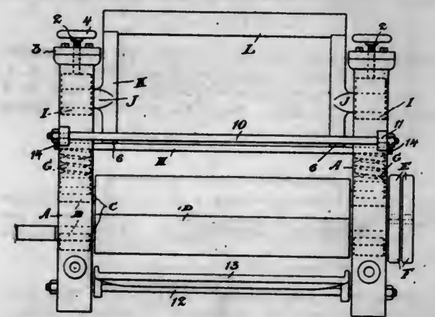
In a knee pad, a casing, a pad composed of a cover and filling material to maintain its configuration, said pad having a transverse supporting bridge at the rear and a concave portion extending forwardly therefrom to receive the knee cap with a further depression at the front of its base forming an air cushion and surrounded by an annular face disposed below the horizontal plane of said bridge to support the knee about the cap thereof, and means for securing the pad upon the leg of a wearer.

1,486,309. PLAITED BUTTON. NATHAN SPARER, Somerville, and MAX HALPERSON, Boston, Mass. Filed Jan. 18, 1923. Serial No. 613,530. 14 Claims. (Cl. 24—113.)



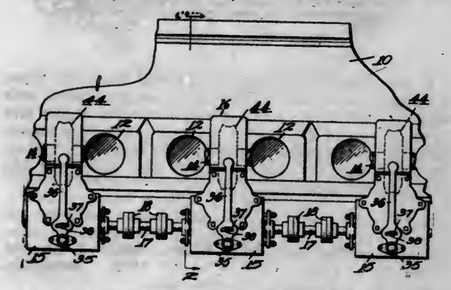
1. A button having a body portion and a face composed of unbolstered plaited material such as textile fabric.

1,486,310. SAFETY RELEASE FOR POWER-DRIVEN ROLLS OR CUTTERS. WILLIAM HENRY SUMBLING, Toronto, Ontario, Canada. Filed June 15, 1921. Serial No. 477,850. 1 Claim. (Cl. 68—32.)



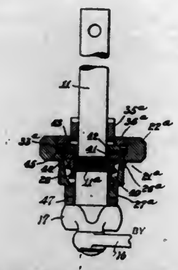
In combination a frame including end standards; a pair of rolls mounted to have bearing in said standards; a coiled-spring mounted in each of said standards to rest in contact with the upper of said rolls; a presser-bar resting upon said springs and adapted to be held in co-operative relationship to said standards; a box located within each of said standards near the top thereof; a screw associated with each of the said boxes and having threaded connection with the top of each of said standards, and pressure-exerting means journaled at each end in said boxes and normally in disengageable contact with said presser-bar the whole designed to co-act for the purpose set forth.

1,486,311. FURNACE FEEDING MECHANISM. IRVING A. TAYLOR, Worcester, Mass., assignor to Sanford Riley Stoker Co. Ltd., Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 21, 1919, Serial No. 278,472. Renewed Dec. 8, 1921. Serial No. 520,990. 6 Claims. (Cl. 110—109.)



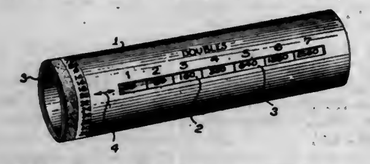
5. In an underfeed furnace, a coal feeding ram, a crankshaft connected to reciprocate said ram, a driving shaft, change speed worm gear mechanism interposed between said driving shaft and said crankshaft, and controlling means by which said mechanism may be adjusted to drive said crankshaft continuously at a selected reduced speed.

1,486,312. STUFFING BOX, GLAND, AND PACKING THEREFOR. LOUIS ULLMAN, New York, N. Y. Filed Jan. 25, 1922. Serial No. 531,544. 5 Claims. (Cl. 286—7.)



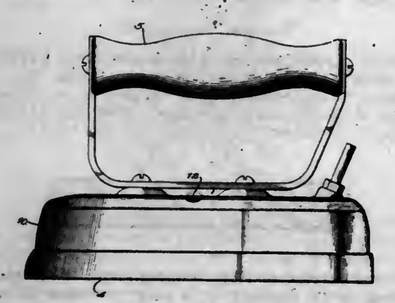
1. A stuffing box for a movable shaft, comprising a casing provided with a stepped opening, a compressible packing ring marginally engaged with a step in said opening, a member movable with said shaft and relatively to the packing ring, and a yieldably supported sleeve disposed about the inner marginal portion of said packing ring, whereby the latter may be held in contact with the member.

1,486,313. SCORE-CALCULATING DEVICE. EDITH VAN ANTWERP, Burlingame, Calif. Filed Feb. 24, 1923. Serial No. 620,879. 4 Claims. (Cl. 235—87.)



1. A game score calculating device comprising an outer slotted cylinder having the number of doubles longitudinally arranged thereon adjacent the slot, an inner cylinder having the possible base scores preferably arranged thereon and a plurality of circumferential columns of doubles arranged at intervals, each of said columns being arranged so as to be positioned adjacent the before mentioned doubles on the outer cylinder, the numbers of the base scores progressively increasing and the numbers in the respective circumferential columns forming permutation series with related columns.

1,486,314. ELECTRIC FLATIRON. ALBERT E. WAGGONER, Chicago, Ill. Filed Apr. 14, 1919. Serial No. 289,949. 6 Claims. (Cl. 177—311.)



6. In an electric flat iron, a casing, a plurality of plates, a heating element confined therebetween, one of said plates being provided with an opening to expose a

portion of said heating element and said casing being provided with a slight opening in alinement with said first named opening.

1,486,315. SNAP FASTENER. WILLIAM R. WILBY, Mount Clemens, Mich. Filed June 18, 1923. Serial No. 645,987. 5 Claims. (Cl. 24—208.)



1. A snap catch having, in combination with a mushroomed head, an overengaging snap shell therefor, consisting of an apertured stamping having a straight edge on one side and an otherwise circular underturned edge constituting the remainder of its periphery, the points of union of the two portions of the edge of the stamping being formed as locking points for engagement under the edge of the mushroomed head, and that portion of the curved periphery of the stamping lying opposite its straight edge being provided with a similar locking point, said snap shell being adapted to be detached from engagement with said mushroomed head by being swung about the line joining said first named locking points as a center and being moved through a plane parallel with that of the mushroomed head.

1,486,316. COUPLING. HENRY J. ATTICKS, New York, and HENRY A. CROSSIRAT, Brooklyn, N. Y. Filed Apr. 26, 1922. Serial No. 556,643. 10 Claims. (Cl. 285—86.)



1. A hose coupling comprising a band having a compressible end portion, a clamp nut on the compressible end portion of the band, and a shank having a portion extending into the hose, the clamp nut cooperating with the shank and the compressible end of the band to compress a gasket between this end of the band and that portion of the shank which extends into the hose.

1,486,317. PROCESS OF MANUFACTURING SAFETY-RAZOR BLADES. JAMES F. BARRY, Dallas, Tex., assignor to Rival Safety Razor Corporation, a Corporation of the District of Columbia. Filed Mar. 21, 1923. Serial No. 626,549. 4 Claims. (Cl. 76—104.)



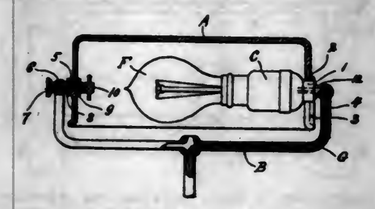
1. The process of manufacturing safety razor blades comprising the running of a strip or ribbon of steel through a punch to form central openings and adjoining end positioning seats or notches, tempering in a suitable bath, polishing on buffers, and finally sharpening on suitable hones.

1,486,318. CARLINE. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1922. Serial No. 538,652. 7 Claims. (Cl. 108—5.6.)



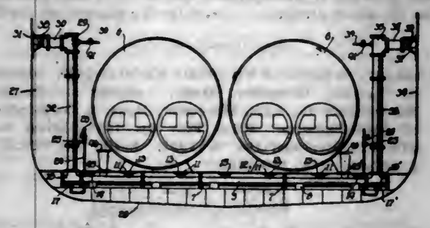
1. A sheet metal carline whose middle portion is made in the form of a hollow rib that tapers in width and in depth from ridge to ends and whose lateral base portions widen from ridge to ends, each lateral portion comprising a hollow rib that extends inwardly from the end thereof.

1,486,319. LAMP SHADE AND MEANS FOR MOUNTING THE SAME. AUGUST BOSTROEM, New York, N. Y., assignor to Samuel Robert Schwartz, New York, N. Y. Filed Nov. 23, 1920. Serial No. 426,068. 19 Claims. (Cl. 240—73.)



1. In a lamp, a shade, an opening in one end of the shade comprising a round portion and a slot portion and means on the other end of the shade whereby this end may be supported.

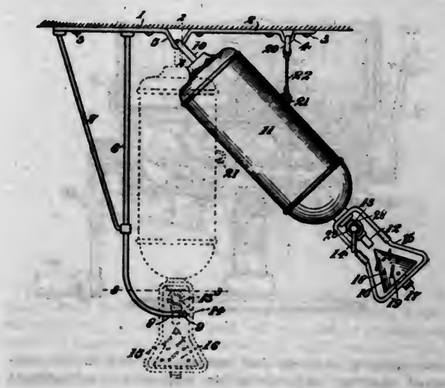
1,486,320. CONVEYER SYSTEM. CHARLES W. BROWN, Chicago, Ill. Filed Oct. 10, 1921. Serial No. 506,870. 3 Claims. (Cl. 302—28.)



1. In combination, a pair of vertical discharge pipes, a common horizontal supply pipe communicating with said discharge pipes, said common horizontal supply pipe having a pair of air intakes and a plurality of admission openings therebetween, and means for creating a current of air through the common supply pipe and either one of the discharge pipes.

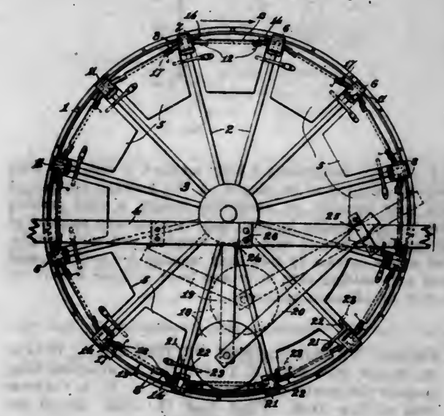
1,486,321. FIRE EXTINGUISHER. JAMES CASH, San Francisco, Calif. Filed May 27, 1922. Serial No. 564,009. 2 Claims. (Cl. 169—27.)

1. A fire extinguisher, including a closed elongated container provided at its upper end with a suspending yoke, a suspending bracket co-operating with the yoke permitting angular swinging movement of the container, a temperature controlled member connected with the container for suspending the same in an angular position, a discharge spout extending from the lower end of the container, a valve therein, a stem extending therefrom, an arm depending from said bracket for arresting the movement of the container on the release of said temperature



controlled member, and a finger extension at the lower end of said arm for operating said valve stem on said container assuming a substantially vertical position.

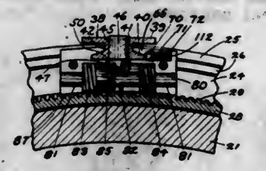
1,486,322. TREAD-INCREASING MEANS FOR TRACTION WHEELS. FREDERICK F. CHOITZ, Ellsworth, Kans. Filed Mar. 15, 1923. Serial No. 625,351. 8 Claims. (Cl. 301—48.)



1. A wheel including the spokes and rim, in combination with a series of wings hingedly mounted between the spokes adjacent the rim to swing outwardly from the wheel, a presser member for engaging the upper face of the lowermost wing when extended, and means on each wing for moving the succeeding wing into position to be engaged by said presser member, substantially as described.

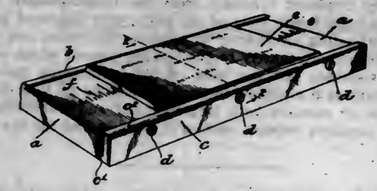
1,486,323. PRINTING-PLATE-SECURING MEANS. LESLIE W. CLAYBOURN, Milwaukee, Wis. Filed Dec. 27, 1922. Serial No. 609,287. 39 Claims. (Cl. 101—388.)

1. In a traveling hook device, the combination of a body having a cavity extending throughout the width of said body and provided with slots opening into said cavity from the side walls of said body, and a rotatable



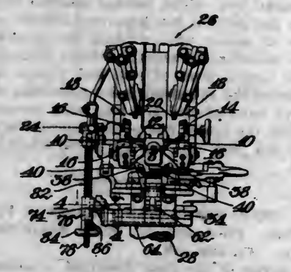
combined hook and wing-member comprising wings in said cavity arranged to project through said slots.

1,486,324. PRINTING PLATE. WILLIAM S. EATON, Sag Harbor, N. Y. Filed Dec. 12, 1921. Serial No. 522,018. 4 Claims. (Cl. 101—388.)



1. A printing plate embodying therein a thick metal base, a relatively thin metal face plate bearing an under-surface design thereon, means carried by said base and adapted to engage the edges of said face plate including therein a movable member, means whereby said member is adapted to have pivotal movement upon one edge of said base, and means whereby said movable member may be oscillated to permit it to be engaged with, or disengaged from the edge of the face plate to permit the mounting of a plate upon, or the removal of the plate from the base.

1,486,325. MACHINE FOR OPERATING ON SHOE BOTTOMS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 3, 1920. Serial No. 386,284. 19 Claims. (Cl. 1—18.1.)



2. A machine for operating on the bottom of a lasted unsoled shoe having, in combination, tacker mechanism, means for engaging in the welt crease to position the shoe for the operations to be performed thereon, devices for engaging the counter portions of the upper on opposite sides of the shoe to support the shoe while being operated upon, and means for operating the tacker mechanism to drive tacks into the shoe bottom while the shoe is thus supported.

1,486,326. RADIATOR. LOUIS FABER and PHILIP SCHNEIDER, Chicago, Ill., assignors to Faber-Schneider Radiator Company, Chicago, Ill., a Corporation of Illinois. Filed May 16, 1921. Serial No. 469,774. 2 Claims. (Cl. 257—130.)



1. A radiator structure comprising a series of juxtaposed water carrying members, and a single separator plate interposed between each adjacent pair of such members, the edges of the separator plates being formed with portions displaced laterally from the longitudinally extending imperforate body of the plate, said displaced portions extending alternately in opposite directions and being attached alternately to the two juxtaposed water carrying members and the body of the plate being spaced from both said members in such manner as to form continuous air passages both longitudinally and transversely of the members between each said member and the spacer plate.

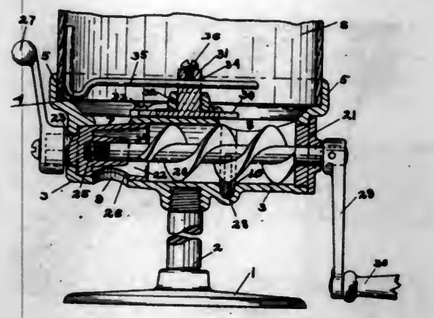
1,486,327. METHOD OF MAKING CAR TRUCKS. GEORGE G. FLOYD, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 30, 1922. Serial No. 532,576. 3 Claims. (Cl. 29—164.)



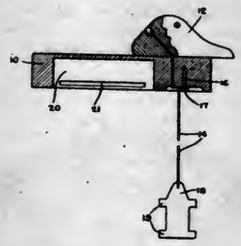
1. The method of making a six-wheel railway car truck including a side frame having two pairs of end journal box jaws, and two equalizing levers pivoted to said side frames on each side of said truck, one equalizing lever on each side having a pair of journal box jaws for an intermediate journal box, which method consists in first machining the end journal box jaws to a definite dimension from center to center, then drilling the equalizing lever pivot holes in said side frames a definite distance inwardly from the center lines of said end journal box jaws, then machining the equalizing lever jaws, and then drilling the pivot holes of said jaw equalizing levers an exact distance from the center line of the intermediate equalizing journal box jaws whereby all of the wheel axles will be parallel.

1,486,328. FOOD DISPENSER. ROBERT O. FRASER, Seattle, Wash. Filed Sept. 11, 1922. Serial No. 587,305. 3 Claims. (Cl. 259—43.)

1. In a device of the class described, a hollow body, a container, a seat for the container surmounting the body, an outlet opening through the seat and communicating with the container and the front portion of the body, an inlet opening through the seat and communicating with the container and the back portion of the body, a screw conveyor rotatably mounted in the body and having a spur projecting therefrom, means for actuating said conveyor, a discharge opening at one end of the body, means for closing said discharge opening and means for closing the adjacent outlet opening into the container, a sprocket wheel bracketed above the screw of the conveyor and adjacent the inlet opening in rotatable engagement with said spur, said wheel provided with a hub having a transverse opening, a mixer and scraper mounted in the last-named opening, and means for longitudinal adjustment of the mixer and scraper.

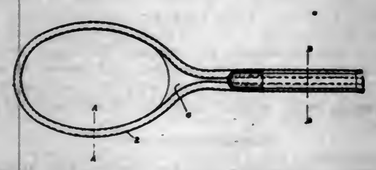


1,486,329. DECOY. GILBERT D. GEORGE, St. Paul, Minn. Filed Jan. 16, 1922. Serial No. 529,465. 5 Claims. (Cl. 43—3.)



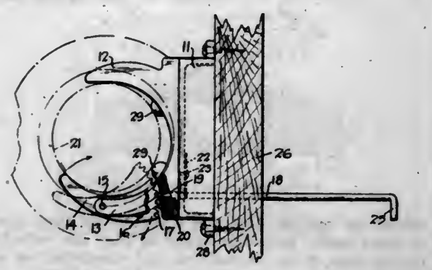
1. A decoy comprising a body member, a separate head member adapted to be placed on the forward portion of said body member, an anchoring weight, a cord passing through an opening in said body member and secured at its opposite ends to said head member and said weight, and means carried by said body member for securing said cord and holding said body and head member fixedly together in adjusted position.

1,486,330. TENNIS RACKET OR THE LIKE. ROLAND M. GLENN, New York, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed June 15, 1922. Serial No. 568,373. 3 Claims. (Cl. 46—24.)



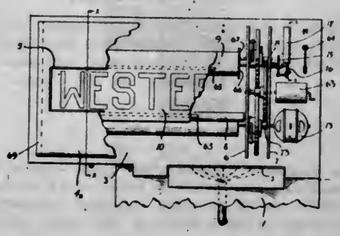
1. A tennis racket or like frame made of a section of magnesium having the requisite beam strength and rigidity as compared to the conventional ash frame of the same weight.

1,486,331. LOCKING DEVICE FOR MILK BOTTLES. HERMAN GOULD, FRANK ACKERMANN, and JOHN GEERING, New York, N. Y. Filed Feb. 3, 1923. Serial No. 616,685. 3 Claims. (Cl. 232—41.)



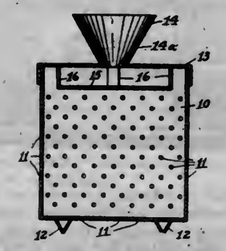
1. A locking device comprising a movable jaw, an opposed fixed jaw, said movable jaw being provided with a serrated edge, a rotatable lock bar adapted to engage said serrated edge, and means formed on said lock bar whereby the direction of movement of the jaw is limited depending upon the rotary position of said lock bar.

1,486,332. STREET-INDICATING DEVICE. JOHN F. HALVERSON, Madison, Wis., assignor of one-half to Charles E. Friday, Madison, Wis. Filed Oct. 10, 1921. Serial No. 506,741. 3 Claims. (Cl. 40—57.)



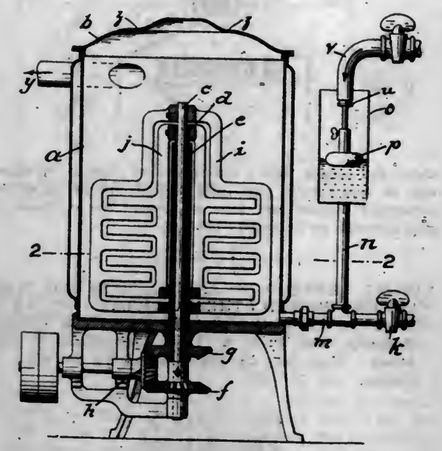
1. The combination with a vehicle of a belt carried thereby, said belt having names of streets and stations inscribed thereon, an electric motor for moving said belt, a trolley switch mechanism, an auxiliary two-way switch and a reversing switch, said auxiliary switch and reversing switch acting conjointly with said trolley switch mechanism for actuating said motor.

1,486,333. VEGETABLE AND FRUIT WASHER. ELLA HANFORD, Chicago, Ill. Filed Sept. 8, 1922. Serial No. 586,883. 14 Claims. (Cl. 146—200.)



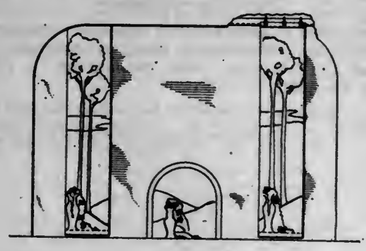
1. In combination, a receptacle cover having an admission opening permitting unconfined flow of a solid stream of liquid therethrough, and a spreader plate extending across the path of said stream and located sufficiently below said opening to prevent splash therefrom.

1,486,334. PROCESS AND MACHINE FOR WHIPPING CREAM. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 16, 1922. Serial No. 601,215. 11 Claims. (Cl. 259—7.)



1. The process of whipping cream, which comprises subjecting the cream to a whipping operation, continuously displacing whipped cream from the whipping zone, feeding additional cream to the whipping zone to replace the same weight of displaced whipped cream, and regulating the rate of feed to insure such displacement after conversion into whipped condition and before breaking into butter.

1,486,335. STAGE CURTAIN. HILER HARZBERG, Providence, R. I. Filed Mar. 10, 1922. Serial No. 542,631. 4 Claims. (Cl. 46—70.)

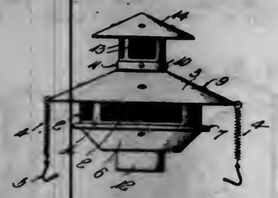


1. The combination with a stage curtain, of an adjustable decorative panel having means by which it may be detachably connected to said curtain whereby the panel may be adjusted to hang suspended in any desired position along the front face of the curtain to produce different decorative effects thereon.

1,486,336. MILK-CAN COVER. JULIUS HEUSSER, Clear Lake, Wis. Filed Feb. 21, 1923. Serial No. 620,534. 2 Claims. (Cl. 31—84.)

1. A milk can cover comprising an upstanding annular wall adapted to rest on and rise from a neck of a milk can, said wall having screened air inlet openings, a frusto-conical canopy secured to the upper edge of said wall and extending outwardly beyond said wall to exclude rain from said screened openings, said canopy having a central opening, an upright heat escape pipe

secured in said openings and extending from a point below said wall to a point above said canopy, the upper end of said pipe having screened air escape openings



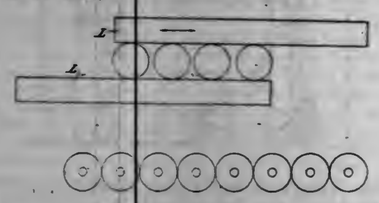
above the canopy, and a second canopy closing the upper end of said escape pipe, said second canopy extending outwardly beyond said pipe to prevent the entrance of rain through its screened openings.

1,486,337. METHOD OF AND MACHINE FOR MAKING GAUGES AND OTHER ARTICLES. WILLIAM E. HOKE, St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 28, 1918. Serial No. 242,482. 14 Claims. (Cl. 51—278.)



1. The method of reducing a series of similar blocks to identical sizes, the method consisting in arranging the several blocks in a group between two opposed flat laps, causing movement between the entire group of blocks and the laps, causing the blocks to simultaneously turn about individual axes, and positively limiting the relative approaching movement of the laps at a predetermined distance apart notwithstanding continued movement between the blocks and the laps.

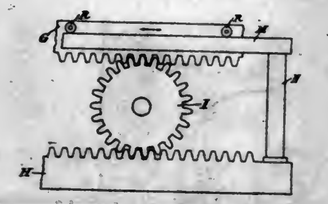
1,486,338. METHOD OF MAKING IDENTICAL ARTICLES. WILLIAM E. HOKE, Washington, D. C. Filed Aug. 30, 1918. Serial No. 252,073. 9 Claims. (Cl. 51—278.)



1. The method of making a multiplicity of identical articles which consists in simultaneously lapping a multiplicity of blanks, systematically interchanging the relative position of the blanks, and repeating the lapping until all and each of the articles are brought to the identical dimensions.

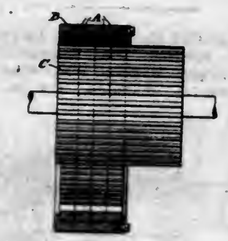
1,486,339. METHOD AND APPARATUS FOR MAKING GEARS. WILLIAM E. HOKE, Washington, D. C. Filed Mar. 20, 1919. Serial No. 283,868. 25 Claims. (Cl. 51—278.)

1. The method of finishing gears which consists in intermeshing a number of toothed gear blanks mounted on a common axis and held in frictional engagement, with a toothed lap having suitably shaped teeth, maintaining the lap and gear blanks in yielding engagement, causing relative longitudinally reciprocating movement between the lap and the gear blanks whereby the gear



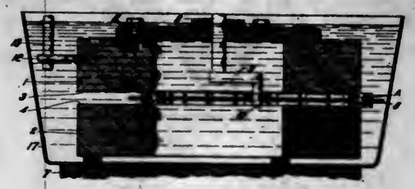
blanks are rotated, said gear blanks being also capable of other bodily movement except as they are restrained by the teeth of the toothed lap, and containing the lapping until the gears are brought to finished form.

1,486,340. METHOD OF MAKING GEARS. WILLIAM E. HOKE, Washington, D. C. Filed Mar. 20, 1919. Serial No. 283,869. 8 Claims. (Cl. 51—278.)



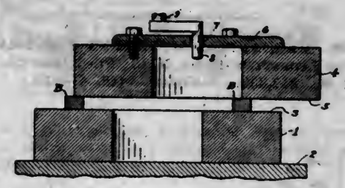
1. The method of making gears which consists in lapping a series of gear blanks by means of an intermeshed gear shaped lap, the lapping operation comprising repeated change in the position of the blanks relative to each other and to the lapping gear, and also relative longitudinal and rotative movements of the blanks and lapping gear.

1,486,341. METHOD OF AND MACHINE FOR MAKING GAUGES AND OTHER ARTICLES. WILLIAM E. HOKE, St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 12, 1919. Serial No. 289,591. 32 Claims. (Cl. 51—161.)



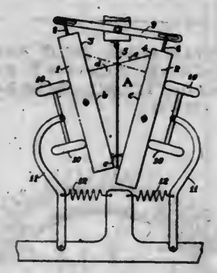
1. The method of reducing a number of similar blocks to produce parallel flat end faces and identical lengths, which consists in arranging the several blocks in a group between two opposed flat laps, force being applied to one of the laps to cause constant pressure between the laps and the blocks, causing movement between the entire group of blocks and the laps, and causing the blocks to simultaneously turn about individual axes perpendicular to the laps.

1,486,342. METHOD OF MAKING GAUGES AND OTHER ARTICLES. WILLIAM E. HOKE, St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 8, 1919. Serial No. 309,450. 7 Claims. (Cl. 51—278.)



1. The method of reducing a number of similar blocks to produce parallel flat end faces and identical lengths, which consists in placing the several blocks with one end face of each in engagement with a flat surface plate, placing a flat lap in engagement with the opposite end faces of the blocks, permitting the lap to adjust itself as to parallelism with the surface plate in accordance with the lengths of the blocks, moving the lap with respect to the blocks to effect lapping, interchanging some of the blocks on the surface plate to symmetrically distribute variations in length, and repeating the lapping operation.

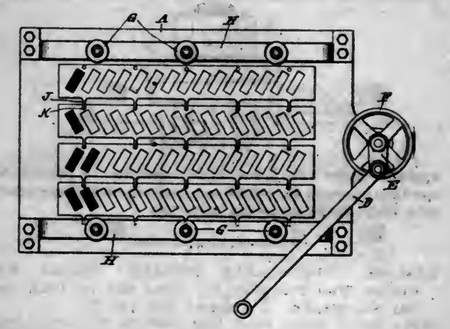
1,486,343. METHOD OF AND MACHINE FOR MAKING GAUGES AND OTHER ARTICLES. WILLIAM E. HOKE, St. Louis, Mo. Filed Mar. 13, 1920. Serial No. 365,458. 19 Claims. (Cl. 51—278.)



1. The method of reducing a number of similar but not necessarily identical blocks to produce opposite flat faces at identical angles to each other which consists in arranging the several blocks in a row with their relatively angularly disposed faces approximately in the same planes respectively and in engagement or approximately in engagement respectively with two relatively angularly disposed flat laps, permitting the laps to adjust themselves angularly in accordance with the angles between the block faces, and causing movement between the blocks and the laps to effect lapping while maintaining the blocks arranged in a row as aforesaid.

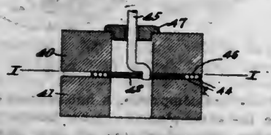
1,486,344. METHOD AND APPARATUS FOR FINISHING TAPER ARTICLES. WILLIAM E. HOKE, Baltimore, Md. Filed Aug. 10, 1920. Serial No. 402,603. 5 Claims. (Cl. 51—278.)

1. The method of finishing twist drills or the like which consists in subjecting a multiplicity of such articles to a simultaneous lapping between laps, one of which is freely floating, to which laps a relative movement of one lap with



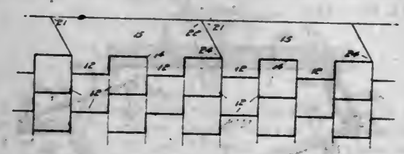
reference to the other is imparted, the articles to be lapped being arranged with their longitudinal axes at an angle to the direction of relative movement of the laps.

1,486,345. LAPPING MACHINE. WILLIAM E. HOKE, Baltimore, Md. Original application filed Aug. 30, 1918, Serial No. 252,073. Divided and this application filed Dec. 9, 1922. Serial No. 605,972. 5 Claims. (Cl. 51—111.)



1. A lapping machine comprising a pair of discs having spaced lapping surfaces, a work carrier between said discs having a plurality of apertures therein, and means for effecting bodily movement between the work carrier and the laps in a substantially circular path, said machine having one lap unrestrained in movement and each of the openings in the work carrier being of a size to loosely hold a plurality of articles to be lapped.

1,486,346. METHOD OF MAKING ROOFING SLABS. CICERO HOSKINS, Quincy, Ill. Filed Jan. 6, 1923. Serial No. 611,089. 5 Claims. (Cl. 164—17.)

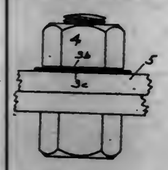


1. The method of severing a strip of prepared roofing material into units which consist in centrally severing the strip in a zig zag line to form two tabbed sections and in severing the sections into units by cuts making an angle other than a right angle with the edges of the strip.

1,486,347. LOCK WASHER. RICHARD THOMAS HOSKING, Wilmette, Ill., assignor to Shakeproof Screw & Nut Lock Company, Chicago, Ill., a Corporation of Delaware. Filed July 16, 1923. Serial No. 651,798. 3 Claims. (Cl. 151—31.)

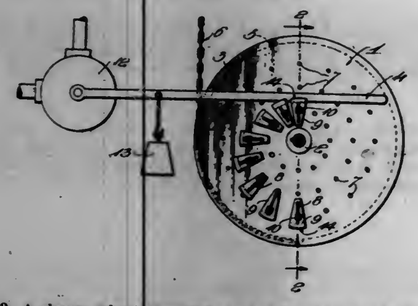
1. An annular washer of sheet metal formed to provide a plurality of radially disposed strips spaced apart cir-

cumferentially, each of said strips twisted axially at its middle, whereby to cause the middle parts of its diagonally



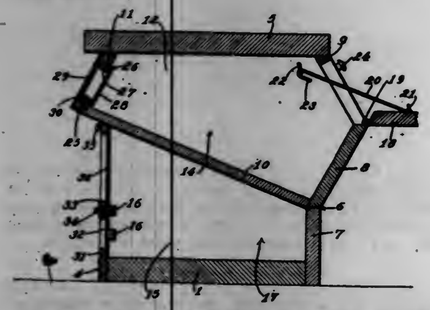
opposite upper and lower edges normally to project respectively beyond the upper and lower faces of the washer, said strips made of spring material.

1,486,348. ADJUSTABLE SHEAVE. NELSON ROY KINDER, West Frankfort, Ill. Filed May 10, 1923. Serial No. 638,056. 5 Claims. (Cl. 74—1.)



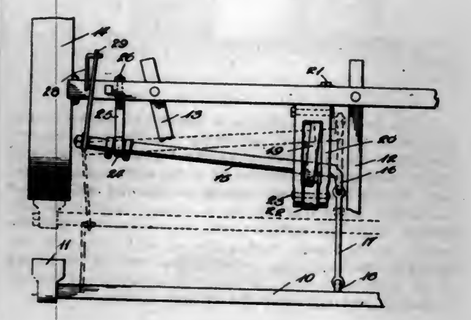
2. A sheave wheel comprising a hub-carried disk having a flat side in the same plane from the hub to its extreme peripheral edge, the other side of said disk having a peripherally grooved annular flange to receive a flexible operating element, said disk being formed with concentric rows of circumferentially spaced bolt holes, a plurality of segmental members for contact with any desired portions of said flat side, said segmental members having radial slots for registration with certain of said bolt holes, and clamping bolts passing through said slots and and holes to frictionally clamp said segmental members in place.

1,486,349. GROCERY AND VEGETABLE COUNTER, ERNEST R. KIPER and LAWRENCE B. KIPER, Gilbert, La. Filed Mar. 28, 1922. Serial No. 547,484. 2 Claims. (Cl. 211—11.)



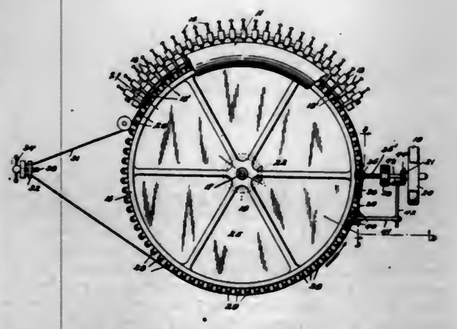
1. In a device of the class described, a back comprising a vertical base strip, an intermediate strip outwardly inclined from the upper edge of the base strip, and an upper strip inwardly inclined from the upper edge of the intermediate strip, the upper strip having an opening; a base member disposed parallel to the base strip and of greater height than the base strip, an inclined platform projecting forwardly from the upper edge of the base member and extended rearwardly to the juncture between the base strip and the intermediate strip, a front located at the forward edge of the platform and inclined rearwardly, in approximate parallelism to the intermediate strip, and a top supported on the front and on the upper strip.

1,486,350. MECHANICAL MOVEMENT FOR BRAKES. HIGGINS LEDBETTER, Dome, N. C. Filed June 23, 1923. Serial No. 647,332. 3 Claims. (Cl. 4—110.)



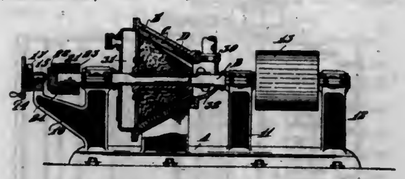
1. A mechanical movement for brakes, comprising, in combination, a shaft, means carried by said shaft adapted to be connected to brake mechanism, a cam upon said shaft providing quick initial and slow final pull upon said connection, a fixed abutment for said cam and means for causing rotation of said shaft and cam.

1,486,351. VEGETABLE AND FRUIT ROASTING AND CLEANING MACHINE. BENJAMIN F. MALONE, Monticello, Ga. Filed Oct. 15, 1921. Serial No. 508,016. 7 Claims. (Cl. 126—41.)



1. In a device of the class described, in combination, a heating chamber, a plurality of independently regulatable heating devices for heating said chamber, said devices being arranged longitudinally of the chamber, whereby the temperature of the chamber may be varied along its length, a rigid carrier, a plurality of rotatable articles supporting members mounted on said carrier, means for moving said carrier to cause said members to pass successively through said heating chamber, and means for rotating said members.

1,486,352. PULP GRINDER. GEORGE JAMES MANSON, Toronto, Ontario, Canada. Filed Mar. 15, 1919, Serial No. 282,781. Renewed Aug. 14, 1923. 2 Claims. (Cl. 92—27.)

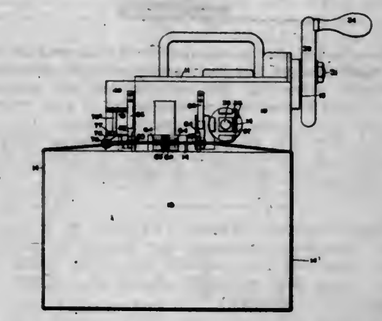


1. In a pulp grinder, a grinding element formed of cement, sharp sand and combustible material adapted to produce voids therein.

1,486,353. PROCESS OF DYEING CLOTH WITH FAST COLORS. GEORGE J. MESS and GORDON B. MESS, Indianapolis, Ind. Filed July 22, 1922. Serial No. 576,810. 8 Claims. (Cl. 8—5.)

1. The process of dyeing cloth with fast colors including applying the colors to the cloth, passing the cloth with the colors in it through a heated solution of caustic soda, afterwards submerging the cloth in cold caustic soda, then washing the cloth in cold running water, and finally subjecting the cloth to a bath of cold water containing sulphuric acid.

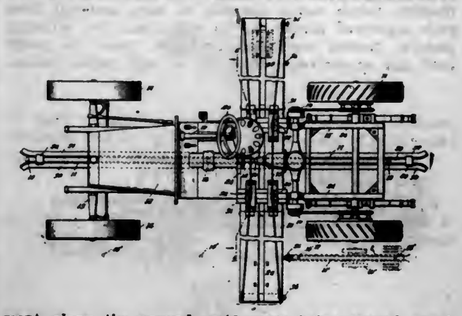
1,486,354. BOX-STRAPPING MACHINE. WILLIAM G. MUELLER, Chicago, Ill., assignor, by mesne assignments, to Alec J. Gerrard, Cicero, Ill. Filed Dec. 31, 1920. Serial No. 434,310. 23 Claims. (Cl. 140—93.)



1. In a machine of the character described, the combination with means for holding one end of a wire, of means for tensioning the wire a predetermined amount including a driven shaft, rotatable means normally in clutched engagement with said shaft and having attached thereto the other end of the wire, and means to unclutch the last mentioned means from said driven shaft when the tension of the wire reaches the predetermined amount.

1,486,355. AGRICULTURAL PRECISION DEVICE. HOWARD J. MURRAY, Brooklyn, N. Y. Filed June 21, 1919, Serial No. 305,940. Renewed Aug. 4, 1923. 35 Claims. (Cl. 104—243.)

1. In the art of mechanical agriculture where it is desired to direct an agricultural vehicle provided with a self-guiding device having a definite length over the ground and along a present path, the process which includes the step of staking off the ground with a series of spaced apart posts adapted to be engaged by said guiding device automatically to guide the vehicle, positioning the posts in such a direction relative to each other that an imaginary line connecting said posts in order will indicate substantially the path which it is desired that the vehicle should traverse in its move-



ment along the ground, said posts being spaced apart a distance less than said definite length of the vehicle guiding device.

1,486,356. MOTOR-VEHICLE ATTACHMENT. PATRICK NAGLE, San Francisco, Calif. Filed Dec. 19, 1922. Serial No. 607,858. 4 Claims. (Cl. 224—29.)



2. An attachment for a motor vehicle having a radiator at its front end with a neck rising therefrom, comprising a flexible member and a hood formed to correspond to the shape of the top portion of the radiator bearing against the front edge of the latter and recessed to engage the neck having the flexible member secured thereto.

1,486,357. LAMP CASING. ALFRED AUGUSTUS SANDBROOK, London, England. Filed July 20, 1923. Serial No. 652,764. 4 Claims. (Cl. 240—7.)



1. A vehicle lamp comprising a rigid transparent element and a free opaque housing made of a material stiff enough to stand up and maintain its form under normal conditions, flexible enough to be bent out of shape without breaking under external pressure and resilient enough to resume its original shape when such external pressure is removed, said housing being of such shape and amplitude as to completely enclose and house a source of light in such manner that the source of light lies wholly within the confines of said housing.

1,486,358. METHOD OF AND APPARATUS FOR CONDUCTING FURNACING OPERATIONS. LEWIS BAILEY SKINNER, Denver, Colo. Filed Feb. 19, 1920. Serial No. 359,955. 26 Claims. (Cl. 23—1.)

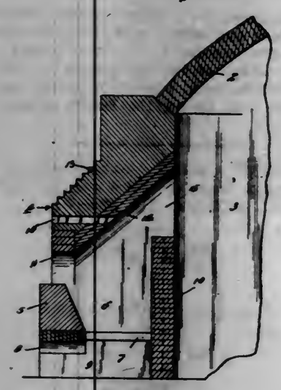
26. Furnace apparatus of the character described comprising the combination, with an elongated rectangular muffle hearth composed of refractory material and hav-

ing a roof composed at least in part of carborundum brick, said hearth having a depressed portion at one end sloping up to a main or calcining portion, of mechanical rabble means operable to move material from such depressed portion up to and along the calcining portion, driving mechanism arranged above the muffle roof and operatively connected to said rabble means,



firing means located at the end of said hearth farthest from said depressed portion, a stack, and flue means whereby hot gases from said firing means may be directed longitudinally of said muffle roof along its outer surface, thence wholly or in part under said depressed portion of the hearth and thence to said stack, without passing under said calcining portion.

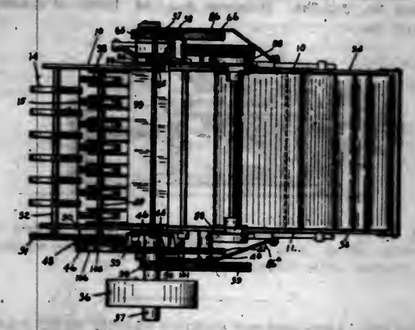
1,486,359. KILN. IKE BIVINS, Independence, Kans. Filed Feb. 26, 1923. Serial No. 621,216. 1 Claim. (Cl. 25—151.)



In a kiln, a pottery chamber having a top, an inclined arch extending to a point adjacent the upper end of the pottery chamber, a front wall having an opening therein arranged below the arch, a fire box below the arch, and a vertical baffle wall arranged between the fire box and the pottery chamber and extending above the opening, the crown being provided with a horizontally arranged sight opening above the baffle wall.

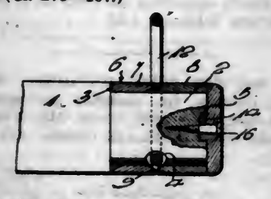
1,486,360. AUTOMATIC WIRELESS BALER. BRAZILTON T. BROWN, Indianapolis, Ind., assignor to National Automatic Wireless Baler Company, Indianapolis, Ind., a Corporation. Filed Jan. 10, 1922. Serial No. 528,170. 24 Claims. (Cl. 100—1.)

1. A baling machine for baling straw and the like, comprising a feeding mechanism for receiving straw and feeding it into said machine, a plurality of rollers through which the straw is fed for compressing it into a substantially uniform sheet, an endless belt positioned so as to engage the sheet and cause it to be rolled upon itself to form a substantially cylindrical bale, and a



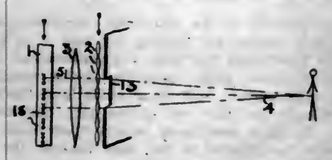
cut-off mechanism for cutting off the further feeding of straw into the machine upon said bale reaching a predetermined diameter.

1,486,361. HITCHING DEVICE FOR WHIFFLETREES AND THE LIKE. EVERETT N. BUTTERFIELD, Auburn, Nebr. Filed Oct. 12, 1922. Serial No. 594,080. 2 Claims. (Cl. 278—107.)



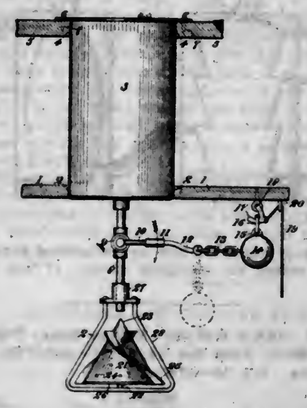
1. In a device of the class described, the combination of a whiffle-tree or the like having a notch extending transversely across one side adjacent one end thereof, a sleeve fitted and secured upon said end of said whiffletree, said sleeve having apertures in opposite sides in alinement with said notch, and a ring passing through said apertures and having a portion disposed in said notch and maintained therein by said sleeve.

1,486,362. OPTICAL SYSTEM. CHARLES W. R. CAMPBELL, Germiston, Transvaal, and FRANK G. A. ROBERTS, Parktown, Johannesburg, Transvaal, South Africa. Filed Nov. 30, 1915. Serial No. 64,327. 2 Claims. (Cl. 88—16.8.)



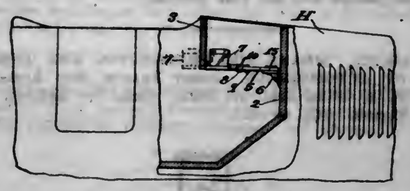
1. The combination of means for positioning a film, in a plane, a large stationary convergent lens positioned in front of the film plane with its axis at right angles to said plane, a group of smaller lenses positioned in a plane parallel with the film plane and in front of the large lens and with their axes at right angles to the film plane, said large lens and the group of lenses being so adjusted in regard to their distances perpendicular to the film plane as to be capable of producing in the film plane a group of images of an object in front of the system, one image for each small lens, which images are spaced from one another equally with their corresponding small lenses, and the film positioning means exposing a film area greater than that of a single image.

1,486,363. MANUALLY AND AUTOMATICALLY OPERATED FIRE-EXTINGUISHING APPARATUS. JAMES CASH and LESLIE F. RICHARDS, San Francisco, Calif. Filed June 10, 1922. Serial No. 567,329. 1 Claim. (Cl. 169—10.)



A fire extinguisher including a fixed fluid container provided with a controlled outlet, including a valve having a stem, a rigid arm detachably secured at one end to the end of said valve stem, a flexible connection secured at one end to the free end of said arm, a weight secured to the other end of said flexible connection, a fusible link carried by said weight, a pivotally suspended hook for passing through said fusible link for suspending said weighted member at a point beyond and in a plane substantially parallel with the end of said arm when said valve is closed, and means for operating the hook to withdraw the same from the link.

1,486,364. ADJUSTABLE SHELF. RICHARD B. CHAPMAN, Santa Barbara, Calif., assignor of one-half to Beverly C. Stephens, Los Angeles, Calif. Filed Dec. 29, 1922. Serial No. 609,671. 3 Claims. (Cl. 224—29.)



3. A carrying receptacle for attachment to automobiles comprising a shelf-like element having a spring hinge for attachment to the dash-board of an automobile, and a slidably mounted receptacle on said shelf-like element, whereby the shelf-like element is adapted to be depressed to permit the receptacle to be shifted from a concealed position on one side of the instrument board to an exposed accessible position at the inner front of the instrument board.

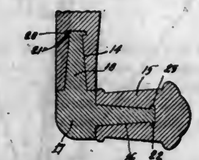
1,486,365. FORGING PROCESS. JOSEPH C. CUMMINGS, Detroit, Mich. Filed Nov. 30, 1920. Serial No. 427,276. 11 Claims. (Cl. 148—12.)

1. The process of forming articles from high-speed tungsten steel of the class described, which process includes working the cross-section of the metal of a billet to a thickness substantially that of the article to be made, and a width no greater than the maximum dimension of said article and exerting pressure substantially



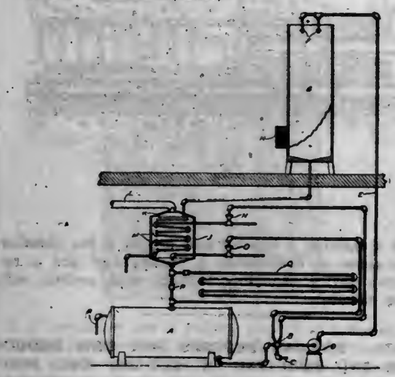
at right angles to the face of said metal of reduced thickness and at right angles to the grain of said metal to produce the finished article.

1,486,366. MANUALLY-OPERABLE CRANK. ALVIN A. DIETER, Melrose, Mass. Filed Apr. 19, 1923. Serial No. 633,283. 1 Claim. (Cl. 74—33.)



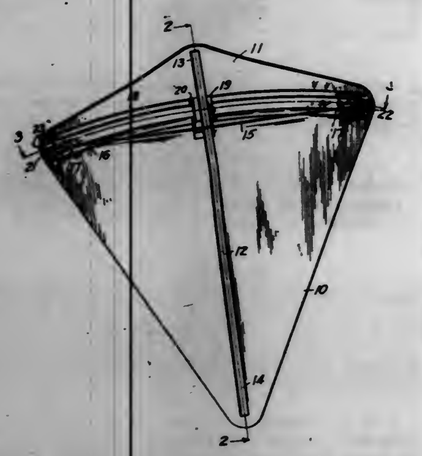
A crank comprising an arm having a socket in its outer end; a handle having a socket in its inner end; and an elbow including a body portion, a spindle projecting into and adapted to turn in the arm socket, and having an enlargement engaged with a groove in said socket to confine the elbow in engagement with the arm, and a wrist-pin projecting into the handle socket and having an enlargement engaged with a groove in the handle socket to confine the handle in engagement with the elbow, the handle being supported by the elbow substantially at right angles with the arm, and adapted to rotate on the wrist-pin, the elbow being movable to support the handle in an operative position, projecting outward from the arm, and in a non-interfering position projecting laterally in either direction from the arm.

1,486,367. METHOD OF CONTROLLING HUMIDITY OF WORKROOMS. MATTHEW E. DUNLAP, Madison, Wis. Filed Feb. 5, 1923. Serial No. 617,187. 1 Claim. (Cl. 183—121.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



The herein described method of controlling the humidity of the air by bringing the air into close contact with a sprayed solution of calcium chloride, the density of which is automatically regulated by the addition to said solution of water when the humidity of the air drops below normal and by the partial evaporation of said solution when the humidity of the air tends to rise.

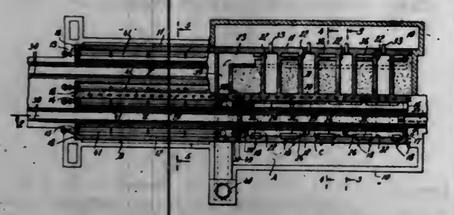
1,486,368. KITE. MAX ECKMANN, New York, N. Y. Filed Jan. 24, 1924. Serial No. 688,124. 15 Claims. (Cl. 244—22.)



1. In a kite of the character described, a flexible sheet, a removable cross bow member adapted to brace said sheet, a flexible loop secured to said sheet, and adapted to have said member passed therethrough, and means secured to said sheet for bowing said member.

4. In a kite of the character described, a flexible body member, and a paper loop having an inturned fold for separating the sides of said loop, secured to said member.

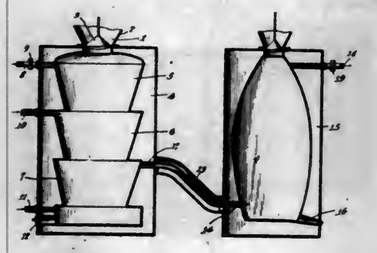
1,486,369. CONTINUOUS HEATING FURNACE. WILLIAM HENRY FITCH, Allentown, Pa. Filed July 27, 1921. Serial No. 487,887. 12 Claims. (Cl. 263—28.)



1. In a furnace, a heating unit having a flue chamber for the gases of combustion, a cooling unit and a recuperative device extending through said cooling unit and flue chamber.

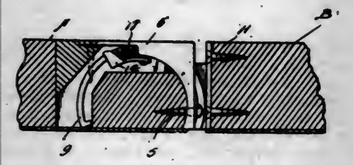
1,486,370. HOT-GAS PROCESS FOR THE REDUCTION AND SMELTING OF METALS. EMIL FLEISCHER, Dresden, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Sept. 10, 1917. Serial No. 190,664. 4 Claims. (Cl. 75—17.)

1. A method for the reduction of metal ores which comprises reducing the ores by means of hot-gas in a separate reducing furnace to the condition of spongy metal and gangue, mixing said spongy metal and gangue with suitable fluxing material, charging said mixture with coke into a metallurgical, hot-gas producer, and smelting the mixture to produce pig-iron and slag while



producing at the same time an amount of hot-gas sufficient to reduce an equivalent amount of iron from its ore.

1,486,371. DOOR HINGE. NELSON HARRY FORBES, Detroit, Mich. Filed Feb. 14, 1923. Serial No. 618,894. 4 Claims. (Cl. 16—178.)



1. A door hinge including a stationary member and a movable member, said stationary member being of substantially angular form having a side portion and edge portion to fit flush with the corresponding portions of the door jamb, and having an arcuate slot formed therein, the movable member being formed of a plate having an arcuate arm secured therethrough in spaced relation, said plates being mounted on the door and the arcuate arm slidably fitting in the slot of a stationary member for hinging the movable member and the door, and means for securing the stationary member to the door jamb at the side portion and the edge portion.

1,486,372. MEANS FOR PREVENTING THE THEFT OF AUTOMOBILES. LEROY FRANTZ, New Rochelle, N. Y. Filed Sept. 13, 1922. Serial No. 587,884. 2 Claims. (Cl. 40—2.2.)



2. An automobile body provided with a chamber having an opening to the outside, combined with an adjustable structure within the chamber and having thereon a number or numbers corresponding to the chassis number or motor number or both and also having thereon a legend to indicate that the automobile has been stolen, the adjustment of the structure adapted to bring the numbers or legend into view, and a lock for locking said structure in its adjusted position exposing the legend indicating theft.

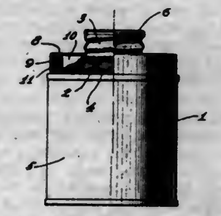
1,486,373. COMPOSITION OF MATTER TO BE USED FOR THE MANUFACTURE OF SALTS OF ACETYL-SALICYLIC ACID. OTTO GERNGROSS and HERMANN KAST, Charlottenburg, near Berlin, Germany, assignors, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Jan. 17, 1913. Serial No. 742,695. 3 Claims. (Cl. 167—7.)

1. A composition of matter comprising dry acetyl-salicylic acid, and a dry metal combination capable of reacting with acetyl-salicylic acid to form a metal acetyl-salicylate when brought into contact with a solvent.

2. A composition of matter comprising dry acetyl-salicylic acid, a dry metal combination capable of reacting with acetyl-salicylic acid to form a metal acetyl-salicylate when brought into contact with a solvent, and a dry moisture absorbing material.

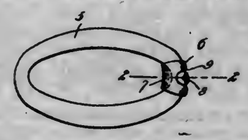
3. A composition of matter comprising dry acetyl-salicylic acid, and a dry metal combination of the alkaline-earth group capable of reacting with acetyl-salicylic acid to form a metal acetyl-salicylate when brought into contact with a solvent.

1,486,374. RECEPTACLE AND CLOSURE THEREFOR. WILLIAM H. GESELL, Montclair, N. J. Filed Apr. 26, 1922. Serial No. 556,701. 3 Claims. (Cl. 220—24.)



1. A device of the character described embodying a container provided at its top with an upstanding threaded outlet spout, projecting above the top of the body of the container, a threaded cap adapted to screw onto the outlet spout for the purpose of sealing the same and mounting the cap on the spout against inadvertent displacement, said cap being provided at its bottom with an outwardly extending substantially flat base flange, the outer periphery of which is provided with a depending skirt adapted to engage with the top of the container before the cap becomes fully seated on the spout thereof, whereby the bringing of the cap into fully seated position flexes the base flange and causes the skirt to be forced tightly against the top of the container.

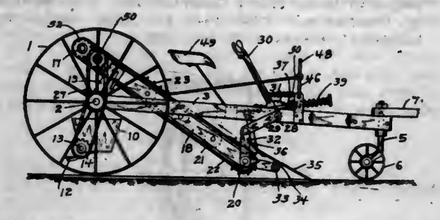
1,486,375. PROTECTOR FOR CHAIN LINKS AND THE LIKE. NICK HANSON, Prescott, Wash. Filed May 15, 1923. Serial No. 639,065. 1 Claim. (Cl. 59—84.)



In combination with a link element, a metallic plate formed with a pointed and yoked end, said metallic plate adapted to be positioned around said link at a desirable point thereon and in such a manner as to engage said pointed end between the legs constituting said yoked end.

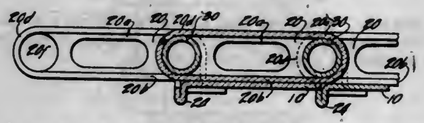
1,486,376. BROADCAST SEEDER. ELMER HASSELL, Crystal, N. Dak. Filed July 10, 1922. Serial No. 573,900. 5 Claims. (Cl. 111—13.)

1. A grain seeding machine having in combination, a wheel frame, a seed box extending transversely thereof, spaced seed spouts adapted to discharge grain from said box, spreading devices upon which said seed is discharged,



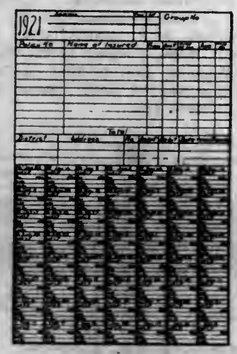
and means for lifting earth from in front of said machine, carrying it upward over said box and depositing earth on the said discharged seed.

1,486,377. TRACK BELT FOR TRACK-LAYING TRACTORS. CHRISTIAN F. HEINKEL, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Euclid, Ohio, a Corporation of Ohio. Filed July 23, 1920. Serial No. 398,456. 9 Claims. (Cl. 305—10.)



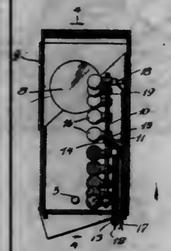
1. A track belt unit consisting of a shoe, and two similar pressed metal link sides, each comprising an elongated cup having an end portion with a substantially continuous marginal flange having flat parallel top and bottom portions and approximately semi-cylindrical end loops, and means for securing said link sides in parallel relation upon said shoe.

1,486,378. DEVICE FOR KEEPING ACCOUNT OF INDUSTRIAL LIFE-INSURANCE PREMIUM COLLECTIONS AND THE LIKE. HARRY HIRSCH, New York, N. Y. Filed Mar. 16, 1921. Serial No. 452,656. 3 Claims. (Cl. 283—66.)



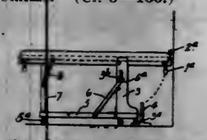
1. A device for use in keeping records of industrial life insurance premium collections, comprising a unitary sheet having a succession of identical severable tabs corresponding to the due dates of the successive instalments, each tab with appropriately designated blanks for entry of data thereon for authentic identification of that instalment collection by which the account was paid to the due date identifying the last unsevered tab on which the entry is made, whereby a multiplicity of the accounts may be readily classified according to the state of advance and arrears by superposition according to contours.

1,486,379. SPEED-INDICATING SIGNAL. MAXEY JACKSON, Portland, Oreg., assignor, by mesne assignments, to Motor Safety Indicator, Inc., a Corporation of Washington. Filed Feb. 11, 1922. Serial No. 535,686. 2 Claims. (Cl. 175—355.)



2. In a speed indicator signal, a rotary member, means for actuating the same in one direction or the other in accordance with the speed of the vehicle, and differently-colored means carried by the said member and arranged to display a differently colored light in accordance with the position of said member.

1,486,380. WALL OR RECESS BED. RUDOLF JACOBI, San Diego, Calif. Filed Apr. 21, 1921. Serial No. 463,380. 4 Claims. (Cl. 5—133.)



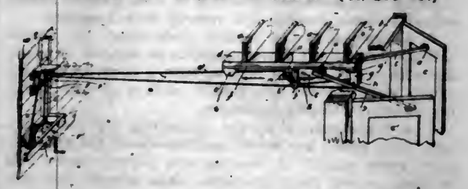
1. A bed of the class described adapted to be shifted to a vertical position adjacent a wall, including a spring frame, supports upon which said frame is pivotally mounted at its opposite ends intermediate its sides, and provided with rollers to facilitate the movement of said supports, stop members positioned a short distance from the wall adapted to engage the one side rail of the spring frame for tilting the same with the outward movement of the supports on the floor and means adapted to engage the wall of the room for retarding the movement of said frame on its pivotal mounting.

1,486,381. PISTON FOR DASHPOTS. LOUIS JANNICHEN, Detroit, Mich., assignor to The Standard Computing Scale Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 5, 1922. Serial No. 579,865. 8 Claims. (Cl. 188—100.)



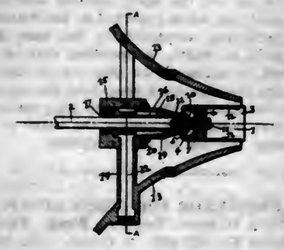
1. In a dash-pot, a cylinder, a piston therein having an opening to permit the passage of liquids, a valve to control the effective area of said opening, manually operable means to vary the position of the valve relative to said opening, and automatic means to vary the position of the valve relative to said opening independent of said manually operable means.

1,486,382. DOOR OPENING AND CLOSING MEANS. ERIK H. JOHNSON, Portland, Oreg. Filed Dec. 14, 1922. Serial No. 606,960. 1 Claim. (Cl. 268—9.)



A door opening and closing means comprising a supporting member adapted to constitute a guideway, a traveling block in said guideway, a keeper at one end of the supporting member, a latch bar pivoted to the traveling block and adapted to engage with said keeper, a spring holding said latch bar in its locking position, a cable element, one end of which is attached to said traveling block and the other being attached to said latch bar, said cable being arranged to effect the back and forth movement of the guide block, a drum on which said cable winds, a pulley on the forward end of said block, the end of said cable attached to said latch bar being led forward over said pulley and back under a second guide pulley located under the latch bar and secured to the block whereby a pull on that end of the cable will cause first the retraction of the latch bar from engagement with the keeper which will thus release the block and the continued pull will cause the retraction of the latter.

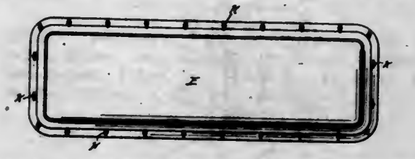
1,486,383. ROTARY OIL BURNER. JESSE C. JOHNSON, Oakland, Calif. Filed Dec. 7, 1922. Serial No. 605,470. 3 Claims. (Cl. 158—77.)



1. In combination with a rotary atomizing cup, a spider member, of cup-shaped contour, having a base and a contiguous body portion, said body portion being provided with a plurality of helically disposed slots and terminating in grooves through the said base.

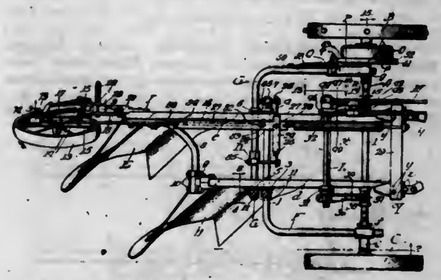
1,486,384. CASKET SEAL. JAMES A. KING, near New Paris, Ohio. Filed Oct. 11, 1922. Serial No. 593,704. 1 Claim. (Cl. 27—17.)

In combination with a sheet metal burial casket comprising a body, a horizontal face portion extending outward horizontally from around the upper edge of said body, a molding extending from the outer edge of said face portion to the body and united therewith at a point below said face portion, a lid for said body, a face portion extending out horizontally from the lower edge of said lid and adapted to contact flat with the face portion of the body, a molding extending from the outer edge of the face portion of the lid and secured to the lid at a point above said face portion of the lid, there being channels formed in each of said face portions which channels register with each other and extend entirely around the casket, an endless rubber band which is round in cross section resting in both of said channels and being of such



diameter in cross section as to normally space said faces from each other, and a plurality of thumb-screws by which said face portions may be clamped toward each other to compress said rubber band, all substantially as shown and described.

1,486,385. TRACTOR PLOW. ALVARO S. KROTZ, Janesville, Wis., assignor, by mesne assignments, to General Motors Corporation, a Corporation of Delaware. Filed June 29, 1916. Serial No. 106,562. 32 Claims. (Cl. 97—73.)



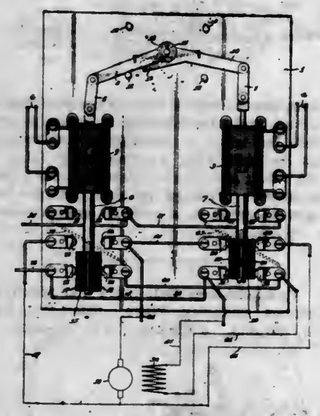
1. In a plowing machine, the combination of a plow and beam therefor, a caster wheel having mechanism for raising and lowering the plow at the rear end thereof, oppositely arranged land-side and front-furrow wheels, a rotatable crank axle extending between said land-side wheel and said front-furrow wheel, a bail having its forward ends mounted on said axle, bearings to pivotally support the transverse rear end portion of the bail on the plow beams, a clutch operated by the land-side wheel to rotate said crank axle, devices operated by said crank axle to raise and lower the forward end of the plow beam and thereby to move the plow into and out of the ground, a controller for said clutch, connections operated by the tilting of said bail to operate said mechanism, and means mounted on the plow beam to operate said devices without rotation of the crank axle; said devices including a pair of toggle joint connections for the opposite end portions of said crank axle to permit lifting of the plow over obstructions in a furrow.

10. In a plowing machine, two plow beams arranged alongside one another, a pair of bail sections pivotally mounted on said beams and which sections are independent of one another so that each may move independently of the other, said bail sections extending transverse to said plow beams and having bearings adjacent their free lower ends; a transversely extending crank axle rotatable in said last mentioned bearings; two lifting mechanisms intermediate said crank axle and said plow beams and which lifting mechanisms are yieldable so as to permit movement of each plow beam upward independently of the other, and means for imparting successive half rotations to said crank axle and for arresting the movement of the same at the ends of said half rotations.

19. In a plowing-machine, a plow, means including wheels to support the plow, and mechanism supported by said means and having an adjustable hand-lever to raise and lower the plow, said mechanism having a stop to support the plow against downward movement and being provided with yielding means to permit upward movement of the plow over an obstruction while said lever remains stationary in the adjusted position thereof.

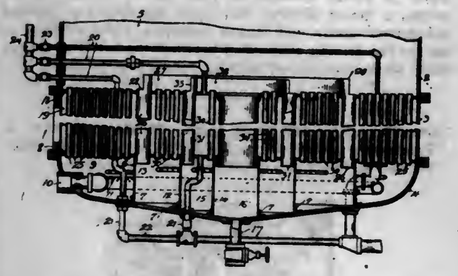
25. A structure as specified in claim 24, said crank having a shoulder to bear upon the top of said link, and having means to engage the bottom of said link, thereby to limit the movement of the link relatively to said crank.

1,486,386. ELECTRIC CONTROLLER. NORMAN B. LAING, Detroit, Mich. Filed Jan. 17, 1923. Serial No. 613,135. 10 Claims. (Cl. 172—179.)



1. In a circuit controller, a direct current motor, a forward operating circuit for said motor, a reverse operating circuit for said motor, a circuit for effecting a dynamic braking action for each forward and revese operation of said motor, movable switching elements adapted to be actuated by an external force to make and break such circuits, and means articulating said switching elements to cause either a coaction or independent action of said switching element under various circuit conditions.

1,486,387. EVAPORATOR. CLARK D. LEBERMUTH, Donaldsonville, La. Filed Jan. 17, 1920. Serial No. 352,113. 2 Claims. (Cl. 159—27.)



1. An evaporator comprising means for holding separate bodies of liquor under treatment, upper and lower tube sheets, tubes for each of said holding means arranged between said tube sheets and in which the liquor from said holding means is adapted to rise to the upper tube sheet, the tubes from one of said holding means being disposed concentrically relatively to those from an adjacent holding means, tubes larger than said first mentioned tubes between said tube sheets, adapted to receive

the liquor which rises from one of said holding means and to return it to another of said holding means whereby the liquor circulates progressively from one of said holding means to another, and means for heating said tubes in the same vapor or steam phase.

1,486,388. AEROPLANE. SUETO NONAKA, Naoiri Gun, Oita Ken, Japan. Filed Aug. 16, 1922. Serial No. 582,140. 6 Claims. (Cl. 244—12.)



2. An aeroplane having a main wing provided with a plurality of air passages adapted to produce a current of air within the wing, a plurality of members pivoted in openings in said wing and normally lying in the plane of the wing, and means adapted to be acted upon by the air current produced by said passages to cause said members to swing to a position approximately perpendicular to said wing.

1,486,389. VARIABLE-SPEED DRIVING MECHANISM. JOHN OCKFEN, Spanway, Wash. Filed Oct. 30, 1922. Serial No. 597,823. 4 Claims. (Cl. 74—26.)



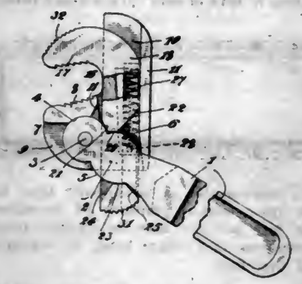
1. A transmission mechanism comprising in combination, a driving shaft, a driven shaft, a conically shaped, rotatably mounted bell, means for effecting a driving connection between the bell and the driven shaft, a friction wheel keyed for longitudinal shifting on the driving shaft and adapted to frictional driving contact with the interior of the said bell, means for shifting the friction wheel to obtain different driving speeds, means for effecting a direct driving connection between the driving and driven shafts and means operating automatically to release the driving connection between the bell and driven shaft when such direct driving connection is made.

1,486,390. COLLAPSIBLE FISH TRAP. TROELS J. PEDERSEN, Jersey City, N. J. Filed Apr. 11, 1923. Serial No. 631,253. 2 Claims. (Cl. 43—105.)



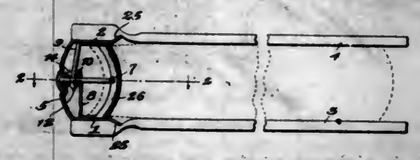
1. A device of the class described comprising a plurality of annular straps, legs extending from said straps, the legs of one member being adapted to telescope into the strap of the adjacent member, means for slidably guiding said legs into the strap of the adjacent member, and pins engaged in said guide means for locking the legs in extended position.

1,486,391. WRENCH. THOMAS H. ROSS, Brooklyn, N. Y., assignor of one-half to Robert K. Story, New York, N. Y. Filed Apr. 8, 1922, Serial No. 550,766. Renewed Jan. 31, 1924. 9 Claims. (Cl. 81—128.)



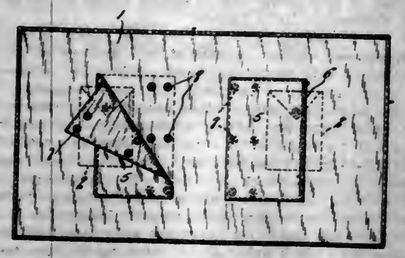
1. A wrench comprising a stock, a pivot carried thereby, a jaw mounted on the pivot, and a complementary jaw slidably mounted on the stock, behind the pivot, the stock having peripheral bearing surfaces in separate transverse planes respectively through the pivot and rearwardly thereof, which coact directly with the jaws to apply gripping leverage thereto.

1,486,392. LOOSE-LEAF LEDGER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership. Filed Sept. 19, 1922. Serial No. 589,080. 7 Claims. (Cl. 129—17.)



1. In a loose leaf ledger, angular back sections, a rod pivotally connecting the sections, latch members secured to the back sections and being disposed to substantially aline when the ledger is in closed position, one of the latch members having a substantially U-shaped free end formed with a lateral stop and the other latch member having a catch formed to engage with the stop, the second named latch member having a slot located adjacent to said rod, and a releasing member rigid on the rod and movable in the slot to engage said U-shaped end of the latch member to disengage same from the catch and having its movement limited by engagement with said stop.

1,486,393. ROBE. RUTH R. SMITH, Mack, Colo. Filed July 31, 1922. Serial No. 578,570. 2 Claims. (Cl. 2—80.)



1. In combination with an automobile lap robe comprising an elongated body, means for retaining said robe in position upon the user comprising a relatively small flap having one side edge permanently attached to the

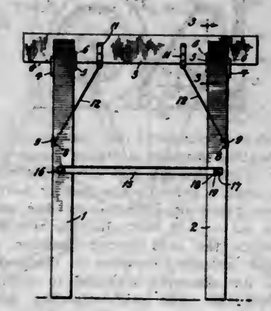
elongated body inwardly of the edges of the latter and having its other side edge detachably connected to said body inwardly of the edges of the latter, the top and bottom edges of the flap being free from connection with the body.

1,486,394. FOUNTAIN BRUSH. WILLIAM M. A. SMITH, Dallas, Tex., assignor of one-half to (Mrs.) Rose Barnett, Dallas, Tex. Filed Dec. 11, 1922. Serial No. 606,244. 1 Claim. (Cl. 151—137.)



In combination with a container having an internally and externally threaded neck, a brush head having a threaded portion for engagement with the external threads of the container neck, the internal portion of the neck being of conical formation whereby paste tubes having different sized threaded necks may be detachably engaged therewith for filling the container.

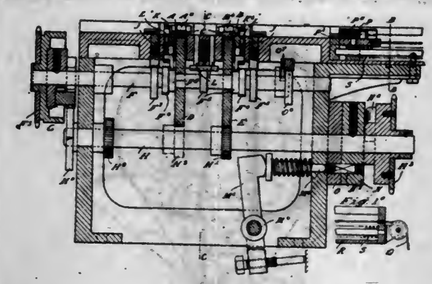
1,486,395. SCAFFOLD HORSE. WALTER SMITHERS, Brooklyn, N. Y. Filed Sept. 23, 1921. Serial No. 502,821. 7 Claims. (Cl. 304—5.)



1. A scaffold horse comprising two pairs of legs with a free space between the upper ends of the members of each pair, crossing plates connecting said members at their outer and inner edges and disposed in different horizontal planes and a detachable body fitting between and engaged by the upper ends of said pairs, said body and the edges of said plates having respectively notches for establishing interlocking engagement between said body and said plates.

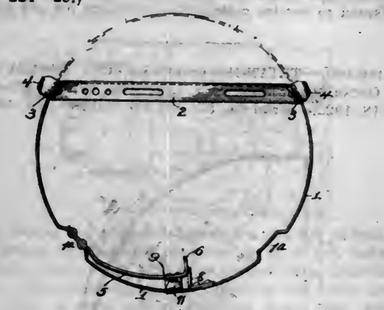
1,486,396. BINDING OR TYING OF BOXES, BALES, OR THE LIKE. ERNEST ALBERT INGOLD, London, England, assignor to the Firm W. & C. Pantin, London, England. Filed Mar. 13, 1923. Serial No. 624,838. 8 Claims. (Cl. 140—93.)

1. An apparatus for binding or tying boxes, bales or other packages with hoops of wire, comprising a plurality of slotted twisting pinions journalled in axial alignment, means for rotating said pinions in alternately opposite directions, and means automatically operating



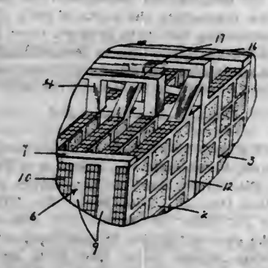
to disconnect the twisting pinions from said rotating means when a predetermined amount of twist has been imparted to the binding wire.

1,486,397. TIRE CARRIER FOR AUTOMOBILES. CHARLES C. STEEL and THOMAS H. LYNN, Williamsport, Pa. Filed Oct. 15, 1921. Serial No. 507,885. 7 Claims. (Cl. 224—29.)



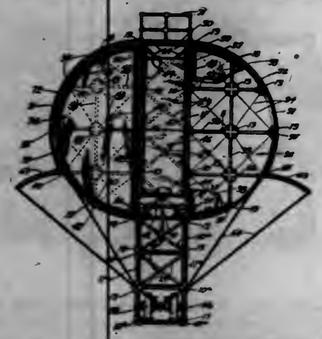
1. In a tire carrier, the combination of a supporting member having a plurality of rim supporting saddles, and a yielding support for one of said saddles the said support being carried by the supporting member.

1,486,398. STORAGE BATTERY. GEORGE F. TOWNSEND, Oakland, Calif., assignor, by direct and mesne assignments, to T. & T. Storage Battery Co., Inc., Los Angeles, Calif., a Corporation of California. Filed Oct. 6, 1921. Serial No. 505,699. 8 Claims. (Cl. 204—29.)



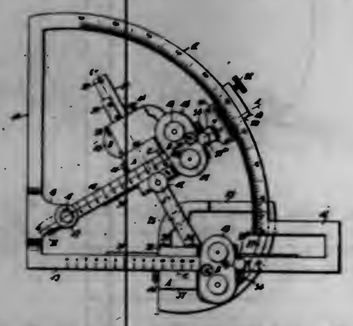
1. A storage battery comprising a plurality of plates, each of said plates formed of a plurality of sections, by having longitudinal slots therein, and means for spacing the outer ends of said sections, and intermediate spacing means received in said slots.

1,486,399. CELLULAR DIRIGIBLE AIRSHIP. SIMEON V. TRENT, Salt Lake City, Utah. Filed Mar. 31, 1921. Serial No. 457,227. 17 Claims. (Cl. 244—3.)



1. In an airship, a skeleton framework comprising a pair of trusses connected throughout their lengths to form a box girder, semi-circular ribs rigidly connected at both ends to the sides of said box girder, and the spaces between the trusses of the box girder and between said trusses and said ribs being divided into pockets that are adapted to receive collapsible containers for gas and air.

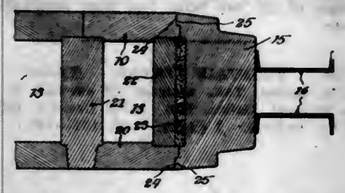
1,486,400. TRIANGLE-CALCULATING INSTRUMENT. OSCAR R. TURNER, Salt Lake City, Utah. Filed Apr. 18, 1922. Serial No. 554,502. 5 Claims. (Cl. 33—98.)



1. A triangle calculating device comprising a series of guide arms relatively pivoted and adjustable to reproduce a given triangle, means for indicating the angles to which the arms are adjusted, a two-part measuring slide geared to each arm for longitudinal adjustment thereon, and an adjusting screw connecting the parts of each slide for increasing or decreasing the space between them within predetermined limits corresponding to the pitch of the screw used, the said guide arms having graduations representing a predetermined number of threads of the said screw.

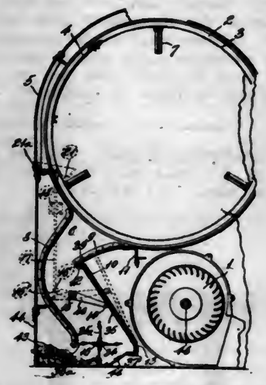
1,486,401. COKE-OVEN WALL STRUCTURE. JOSEPH VAN ACKEREN, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1919, Serial No. 333,358. Renewed July 24, 1923. 14 Claims. (Cl. 202—9.)

1. In a coke oven structure, in combination: a heating wall comprising spaced silica liner-brick sections connected together at intervals by silica tie-brick sections to form flame flues within said heating wall, the ends of said liner-brick sections being formed with jogged edges; a clay jamb-brick section positioned at the end of the heating wall and provided with companion jogged edges for engagement with the aforesaid jogged edges of the liner-brick sections; and a substantially co-extending vertical joint interposed between said jamb-brick section and the adjacent tie-brick section of the heating wall, said joint



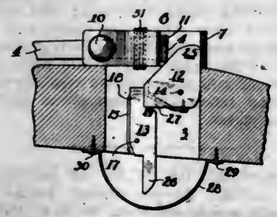
composed of silica sand, to accommodate heterogeneous expansion or contraction of the jamb-brick section and the heating wall; substantially as specified.

1,486,402. DELINTING DRYING TUMBLER. CHARLES E. WARREAM, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Apr. 23, 1920. Serial No. 376,086. 29 Claims. (Cl. 34—5.)



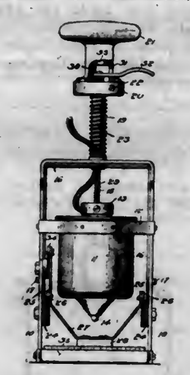
13. In a drying chamber, the combination of an air chamber, a heating chamber, a drying chamber, means for causing flow of air through said several chambers, a lint collecting member, a curved plate member having its concave face toward said lint collecting member, and arranged to deflect the air to said lint collecting member after its passage through the said drying chamber, means for operating said collecting member to discharge the lint therefrom, a lint conveyor arranged to receive the lint upon its discharge from said collecting member, and means for operating said lint conveyor.

1,486,403. SLING GUN. WILBUR J. WATKINS, South Pasadena, Calif. Filed May 7, 1923. Serial No. 637,258. 23 Claims. (Cl. 124—14.)



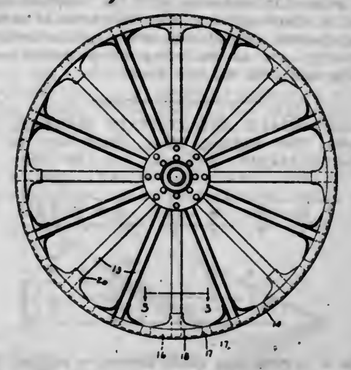
1. In a sling gun, a lock consisting of two pivoted elements adapted releasably to engage one another and secured to one another by an elastic band contacting only with said elements and tending to pull them toward one another.

1,486,404. ELECTRIC WAX SEALER. SAMUEL M. WEISBERGER, Scranton, Pa. Filed Aug. 19, 1922. Serial No. 582,929. 8 Claims. (Cl. 120—116.)



1. In a device of the character described, the combination of a supporting frame, a wax container supported in the frame and having an outlet therein, means for opening and closing said outlet, an operating handle, gear wheels mounted on said frame, a die normally positioned to one side of the frame and wax container, connections between said die and gears and connections between said gears and handle for rotating the gears and shifting the die to a position beneath the outlet opening of the wax container.

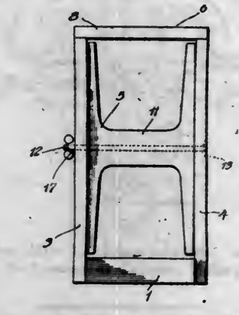
1,486,405. TRACTOR-WHEEL CONSTRUCTION. PAUL H. WHITE, Indianapolis, Ind., assignor to Indiana Silo and Tractor Co., Anderson, Ind., a Corporation. Filed Oct. 24, 1921. Serial No. 509,989. 4 Claims. (Cl. 301—66.)



4. In a wheel construction, the combination with a hub, and a channel-shaped rim, of a channel-shaped spoke secured to the hub and terminating within the rim channel, and a spoke securing gusset plate comprising a base portion adapted to be secured to the rim channel side, a complementary channel-shaped spoke embracing portion adapted to be secured to the spoke, and an intermediate channel-shaped portion between said base portion and said spoke portion.

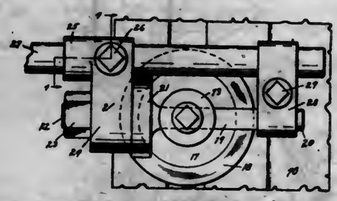
1,486,406. YARN HOLDER. WALTER WILSON, Jersey City, N. J. Filed Nov. 25, 1921. Serial No. 517,754. 4 Claims. (Cl. 242—141.)

3. A holder for yarn and the like comprising a relatively heavy base, uprights secured at their lower portions along opposite edges of the base, a cross-piece connected to the upper edge portions of the uprights, a reel fitting between said uprights, a non-rotatable shaft extending freely and removably through the reel and having means to readily engage with one of the uprights



and adapted to project through the other upright, and means on the projecting end of the shaft for drawing the two uprights frictionally against the side portions of the reel.

1,486,407. BORING-BAR HOLDER. DAVID S. ANTHONY, San Antonio, Tex. Filed July 18, 1922. Serial No. 575,901. 3 Claims. (Cl. 29—96.)



1. A boring bar holder comprising a bracket having a body portion designed to be mounted in a tool holder of a lathe, one end of said body portion being provided with a cylindrical support, the opposite end being provided with a transversely arranged head, said head being provided with a pivot pin, a swinging arm pivotally mounted on said pin, a clamp device pivotally mounted on said cylindrical member, means for detachably securing the boring bar in the free ends of said swinging arm, and said clamp device, and means for locking said swinging arm and said clamp member in any of their positions of swinging movement.

1,486,408. BORING BAR. DAVID S. ANTHONY, San Antonio, Tex. Filed July 18, 1922. Serial No. 575,902. 2 Claims. (Cl. 29—96.)

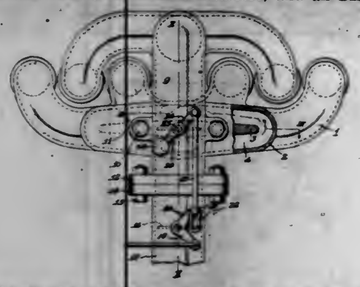


1. A boring bar comprising a shaft tapered at one end, the said tapered end being provided with a longitudinal opening, a tool slidably mounted within said opening, and a wedge designed to move longitudinally within the opening to secure the tool therein.

1,486,409. MANIFOLD. FRED E. ASELTINE, Dayton, Ohio. Filed May 6, 1922. Serial No. 558,848. 5 Claims. (Cl. 123—122.)

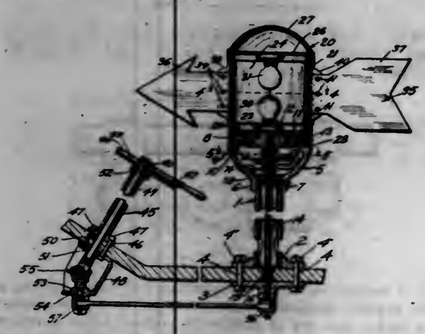
1. The combination of an intake manifold, an exhaust manifold, a casing carried by the outer side wall of said exhaust manifold and having its center portion communicating with said intake manifold so as to re-

ceive fuel therefrom to be heated in said casing by conduction from said exhaust manifold, and an auxiliary



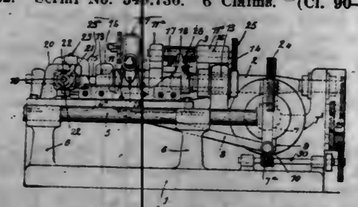
throttle at the central portion of said casing and in said intake manifold adapted to cause fuel to pass into said casing.

1,486,410. DIRECTION INDICATOR FOR MOTOR-DRIVEN VEHICLES. GUY P. BAGNALL, Los Angeles, Calif. Filed Feb. 5, 1920. Serial No. 356,435. 1 Claim. (Cl. 177—327.)



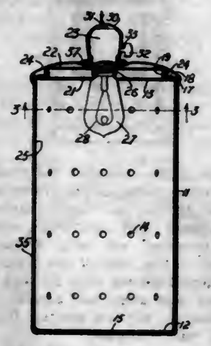
The combination with an automobile having a floor and a seat, of a tubular standard secured upright to said floor near said seat and surmounted by a bowl carrying bearings, a shaft rotatable within said tubular standard, signaling means secured to said shaft and comprising a lantern provided with a plurality of electric lights and mounted upon said bearings, there being an indicating means mounted upon said lantern, manually operable means within reach from said seat, means connecting said manually operable means and said shaft to rotate the latter and the indicating means therewith, and means whereby the operation of said manually operable means may cause current to flow alternately through one or another of said lights.

1,486,411. MACHINE FOR THE MANUFACTURE OF MILLING CUTTERS WITH CONSTANT PROFILE. HENRI LÉON BERTIN, Paris, France. Filed Mar. 25, 1922. Serial No. 545,736. 6 Claims. (Cl. 90—132.)



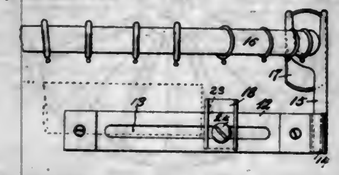
1. A machine for cutting and relieving milling cutters comprising a work carrying shaft adapted to support the milling cutter to be acted upon, means for rotating said work carrying shaft, a cutting tool, a rotary cam for actuating said tool, means for rotating said cam, a template, means actuated by said template for displacing the cutting tool along the axis of the work, means actuated also by said template for displacing the cutting tool in a plane at right angles to the axis of the work and means for imparting to said template a reciprocating movement.

1,486,412. ELECTRIC BED WARMER. ROY W. BIDDLECOM, Glendale, Calif., assignor to Biddlecom Mfg. Co., Glendale, Calif., a Partnership composed of Roy W. Biddlecom and George H. Schnell. Filed Jan. 29, 1923. Serial No. 615,706. 3 Claims. (Cl. 219—45.)



1. In an electrical warming device of the class described, the combination of: a cylindrical shell having an opening in one end thereof through which a lamp of limited size may pass, and ventilating openings for circulation of air through said shell; a cap screwed upon said shell in a position to cover said opening; a lamp socket secured in said cover with the receptacle opening thereof in communication with the inside of said cap; an incandescent globe in said socket and extending into said casing; and an insulating air permeable covering enclosing said shell and said socket.

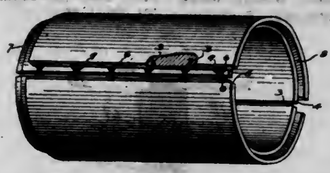
1,486,413. SHADE AND CURTAIN FIXTURE. MARY BORGES, New Bedford, Mass. Filed Nov. 10, 1921. Serial No. 514,219. 3 Claims. (Cl. 156—24.)



3. In a curtain and shade fixture, a support for attachment to a window frame, a curtain pole carrier maintained by the support the same having at its upper portion tines to provide a crotch for the reception of a curtain pole, the stem of said carrier being bent transversely to cause in use the crotch portion of the carrier to be pressed toward the window frame, for use with a curtain pole having ends provided with a flange or plate against which the tines of the carrier will abut to maintain the pole in a horizontal position.

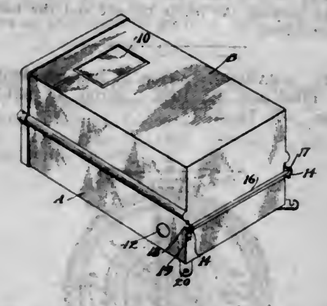
1,486,414. CONCRETE CASING FOR PILES. WILLIAM W. BRIER, Los Angeles, Calif. Filed Jan. 31, 1922. Serial No. 532,984. 3 Claims. (Cl. 20—100.)

1. An article of the character described comprising a casing of cementitious material longitudinally divided to form two parts, a circumferentially extending reinforcement of flexible material uniting said parts at one division so as to form a hinge joint and divided at



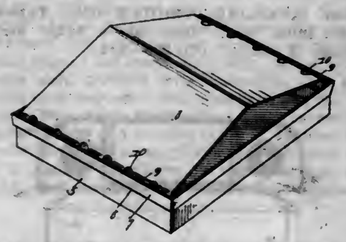
the other division to split the casing, and means to secure the ends of said reinforcement at said second division.

1,486,415. METER BOX. ALBERT CASPER, Vallejo, Calif. Filed Apr. 27, 1921. Serial No. 465,063. 5 Claims. (Cl. 220—41.)



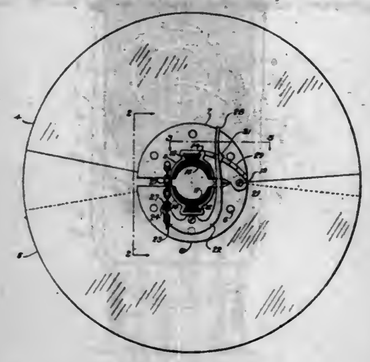
1. A meter box of the character described comprising a rectangular-shaped box vertically divided into two separable sections, a sliding connection formed between the two sections at the sides thereof, a fixed top extending between and projecting beyond the sliding connection, means for rendering the sliding connection at the adjoining upper and lower ends of the respective sections weather-proof, and means for supporting one section with relation to the other and for locking the same against separation.

1,486,416. COMBINATION SANITARY DISPLAY AND STORAGE TRAY. CLARENCE G. CATHER, Selma, Calif. Filed Sept. 12, 1921. Serial No. 500,036. 1 Claim. (Cl. 211—28.)



In a meat display rack and drain, a tray having sides provided with shoulders terminating in upwardly extending flanges, a meat supporting plate having angularly disposed portions, the end edges of the said angularly disposed portions resting on the said shoulders and at least one of said angularly disposed portions being inclined and terminating in a downwardly curved edge provided with apertures, the said edge of the plate having its curved portion free of the side of the tray above the shoulder on which it is supported.

1,486,417. RAT GUARD FOR SHIP CABLES. SAMUEL CHEELY, Lodi, Calif. Filed May 13, 1922. Serial No. 560,706. 2 Claims. (Cl. 114—221.)



1. A rat guard for ship cables or the like, comprising a pair of disc segments pivoted together at one end, flanges extending axially from said segments, a lever fulcrumed on one of said segments, a swinging member secured to the other of said segments and adapted to be adjustably and removably attached to the end of said lever whereby upon the oscillation of said lever the pairs of segments with their associated flanges and liners will be drawn together on said cable, and means for clamping the segments in said latter position.

1,486,418. HAIR-TRIMMING DEVICE. GEORGE D. CLARDY, Passaic, N. J., assignor to Gillette Safety Razor Company, Boston, Mass., a Corporation of Delaware. Filed Sept. 19, 1919. Serial No. 324,979. 12 Claims. (Cl. 30—12.)

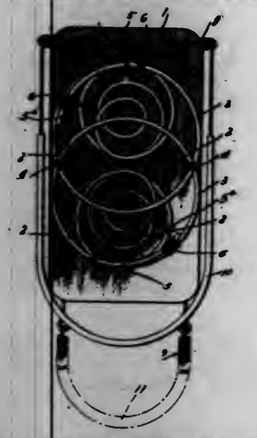


1. The combination with a safety razor including a blade support, a blade, means for clamping the blade on the support and a guard projecting beyond the edge of the blade, of a removable plate held by the blade-clamping means between the latter and the blade support and having a series of comb teeth projecting beyond the guard.

1,486,419. ANTIBUTTING ATTACHMENT FOR ANIMALS. VINYARD O. CRAWFORD, Heavener, Okla. Filed May 15, 1923. Serial No. 639,179. 1 Claim. (Cl. 119—142.)

In an anti-butting device for stock, a plate for application to the face of an animal, a plurality of prongs extending rearwardly from the rear face of said plate, a plurality of spiral springs secured to the rear face of said plate in lapping relation, and connected with each other, the springs being longer than the prongs when in normal position to hold the prongs out of engagement with the

face of the animal, attaching elements in the form of coiled springs connected at their ends with the corners of said plate to form means for securing the device to



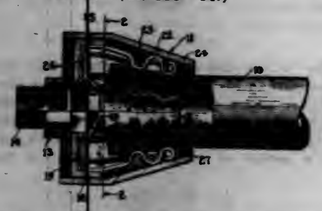
the head of the animal, a throat encircling member connected with one of said springs, the other spring forming a chin engaging member.

1,486,420. PACKING RUBBER. ERD V. CROWELL, Tulsa, Okla. Original application filed Aug. 13, 1921, Serial No. 492,054. Divided and this application filed Oct. 13, 1921. Serial No. 507,437. 2 Claims. (Cl. 288—3.)



2. In a device of the character described, a rubber member including sections and comprising an outer ring portion and an inner flexing portion tapered from the ring portion toward the inner periphery of the member and symmetrically formed with respect to the plane of the ring portion, said inner ring portion having a packing surface which constitutes the inner peripheral surface of the member.

1,486,421. HOSE COUPLING. GEORGE H. DYER, San Francisco, Calif. Filed Mar. 29, 1920. Serial No. 369,578. 5 Claims. (Cl. 285—86.)



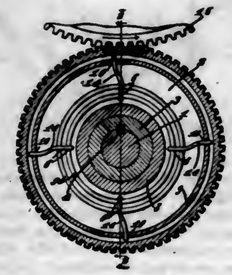
2. A hose coupling comprising a central tubular member adapted to be inserted in the end of a hose, said member having a plurality of circumferentially extending recesses formed in the outer surface thereof, a contractible clamping member adapted to embrace the end of the hose, said clamping member being circumferentially corrugated, the internal corrugations on said clamping member being disposed in radial alignment with said circumferential recesses in the tubular member when the device is assembled, and means for contracting said clamping member.

1,486,422. PRINTER'S QUOIN. OLOF A. ENSTROM and ADOLF E. DAHLIN, Lynn, Mass., assignors to Maxwell Edelman, Boston, Mass. Filed Dec. 14, 1922. Serial No. 606,949. 5 Claims. (Cl. 254—40.)



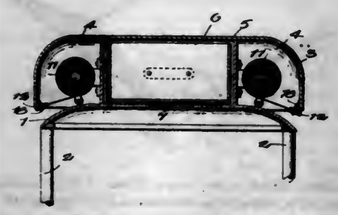
5. A quoin, the body of which is formed in two parts, one of which has a flange provided with an inclined portion, positioned in a groove in the other part, which part is provided with adjustable means coacting with the inclined portion of said flange for separating the parts; two headed studs secured to one part with the heads in depressions in the other part; and springs surrounding said pins between the heads thereof and the bottoms of said depressions.

1,486,423. GEARING. ANTON F. ERICSON, Philipsburg, Pa. Filed Apr. 12, 1923. Serial No. 631,704. 2 Claims. (Cl. 74—28.)



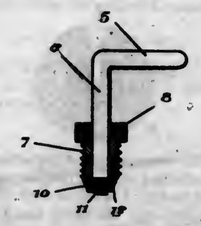
2. In a device of the class described, a pair of pinions located side by side and having a common axis, one pinion being rotatable with respect to the other pinion, for adjustment, the pinions being provided with oppositely projecting annular ribs, and a spring engaged with the ribs of the pinions.

1,486,424. AUXILIARY VEHICLE TOP. THEODORE G. FERNO, Dines, Wyo. Filed June 6, 1922. Serial No. 566,323. 2 Claims. (Cl. 296—143.)



1. In combination, a vehicle top including a main top and an auxiliary top mounted thereon and spaced thereabove, partitions supporting the auxiliary top above the main top for forming compartments, vehicle side curtains, and rollers in said compartments and mounted on said partitions for supporting said side compartments.

1,486,425. CYLINDER-HEAD LIFTER. VERNON LEE GIBSON, Sholes, Nebr. Filed Oct. 13, 1921. Serial No. 507,505. 2 Claims. (Cl. 16—125.)



1. A cylinder head lifter comprising a handle having downwardly extending terminal portions, screw plugs rotatable and slidable on said terminal portions to be individually engaged in and disengaged from the spark plug or similar holes in a cylinder head, and retaining members on said terminal portions under said plugs.

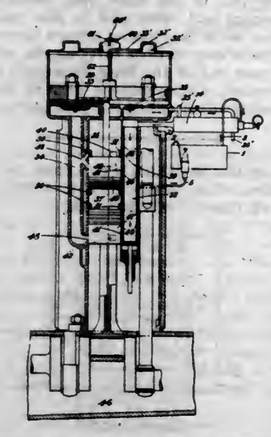
1,486,426. SCRIP-CUTTING MEANS. ALFRED R. GILLHAM, Cincinnati, Ohio, assignor to The A. H. Pugh Printing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 12, 1922. Serial No. 567,874. 9 Claims. (Cl. 33—83.)



1. A scrip-cutter of the character described, comprising a pair of severing strips, one of said severing strips being wider than the other and having a severing edge at one longitudinal edge thereof and another severing edge at one end thereof, the other of said severing strips having a severing edge at one longitudinal edge thereof, said wider severing strip provided with cross-slits, said narrower severing strip located in said cross-slits, and the walls of said cross-slits acting frictionally on said narrower severing strip to hold said severing strips in adjusted relation, and constructed and arranged whereby said wider severing strip is movable lengthwise on said narrower severing strip to adjust the severing relation of said severing edges.

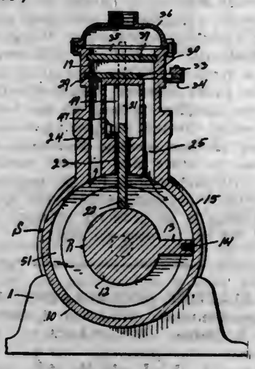
1,486,427. INTERNAL-COMBUSTION ENGINE. LEWIS THOMAS GODFREY-EVANS, West Norwood, London, England. Filed Feb. 9, 1921. Serial No. 443,644. 1 Claim. (Cl. 123—51.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

An internal combustion engine comprising a plurality of cylinders, upper and lower oppositely moving pistons in each cylinder explosion chambers between each pair of upper and lower pistons and above the upper pistons, a crank shaft, an air pump mounted above the cylinders, a pump cylinder, a perforated piston operating in said pump cylinder and connected to the upper pistons and to the crank shaft, a movable perforated disc mounted below said piston a perforated cover to said pump cylinder, a perforated disc rotatably mounted above said cover means for opening and closing the perforations in said cover by rotation of said last mentioned disc means connecting said



lower pistons to the said crank shaft, a carbureter, means whereby air is forced by said pump to said carbureter and into said explosion chambers, tubular timing valve operatively connected to the crank shaft a series of fuel inlet ports in the walls of said cylinders a series of ports in said tubular timing valve coacting with said fuel inlet ports and a series of exhaust ports in said cylinder walls.

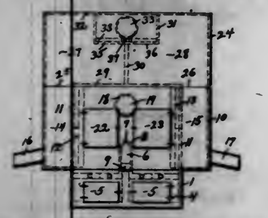
1,486,428. ROTARY ENGINE. EARL C. GROVES, Hobson, Mont., assignor of one-half to Waite Land & Livestock Company, Utica, Mont., a Corporation of Montana. Filed Mar. 22, 1920. Serial No. 367,912. 4 Claims. (Cl. 121—76.)



2. A rotary engine including a cylinder having open ends, a cylindrical rotor axially arranged within the cylinder and having a rigid radial vane or piston engaging the inner surface of the cylinder, said rotor being of lesser diameter than the diameter of the openings in the ends of the cylinder and being shorter than the cylinder, circular heads fixed rigidly to the ends of the rotor and rotatably fitting in the ends of the cylinder for supporting the rotor in its operative position and closing the ends of the cylinder, said cylinder having inlet and exhaust ports, a spring opened valve for controlling the inlet port, means embodying a cam on the outer surface of one of said heads for intermittently closing said valve, a sliding radial abutment arranged between said ports normally having its

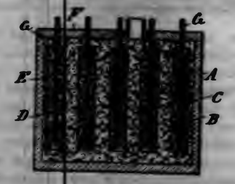
inner end engaging the periphery of the rotor and having its outer end projecting through the cylinder, a lever pivoted between its ends on the cylinder and having its inner end flexibly connected to the abutment, a vertically slidable member resting on the outer end of said lever and having a depending part provided with a roller, and a cam on the outer face of the other head arranged to intermittently engage said roller and to pass the roller outwardly of the latter for causing inward movement of the roller and the sliding member carrying the same so as to swing the inner end of the lever outwardly and cause a similar movement of the abutment whereby said abutment is intermittently lifted out of the path of the piston.

1,486,429. HOT-AIR FURNACE. JOHN A. HAGSTROM, Youngstown, Ohio. Filed Aug. 9, 1923. Serial No. 656,472. 1 Claim. (Cl. 126—99.)



In a device of the class described the bottom section of a furnace carrying two sets of grates, an ash pit formed underneath said grates, a preheated hot air manifold positioned between said grates, a fresh air inlet leading into one end of said preheated hot air manifold, a ridge portion formed on the upper portion of said preheated hot air manifold, a plurality of openings distributed in the above mentioned ridge, a second section positioned above said grates and connecting parts, an interior circular member within said second section, curved gratings secured to the sides of said interior circular section, a chamber communicating with said gratings, fresh air inlets leading into said chambers, a secondary outlet leading from the interior circular member, a damper functioning in said secondary outlet, a top section positioned above said second section, a circular cap member fitting securely over said interior circular member, two chambers formed in a top section, a vertical partition separating said chambers, a rectangular outlet chamber formed directly above said partition, two openings formed in the bottom of said rectangular outlet circular, one opening on one side of said partition and another opening diagonally disposed and positioned on the other side of said partition, a slide functioning with said opening for the purpose of regulating the direction of non-combustible gases, etc., escaping to an outlet leading to an ordinary chimney, substantially as described for the purpose set forth.

1,486,430. ELECTRIC ACCUMULATOR. KAJ HANSEN, Copenhagen, Denmark. Filed Nov. 5, 1921. Serial No. 513,047. 5 Claims. (Cl. 204—29.)



1. An electric accumulator comprising electrodes formed of granulated lead particles, and having glass-wool under pressure filling the spaces between the electrodes and absorbing the electrolyte, whereby the granules of the electrodes are subjected to a high mechanical pressure.

1,486,431. DEVICE FOR THE PLANTING AND TRANSPLANTING OF SEEDLINGS. JOHN NOEL HARVEY, Evesham, England. Filed Aug. 22, 1921. Serial No. 494,184. 1 Claim. (Cl. 47—37.)



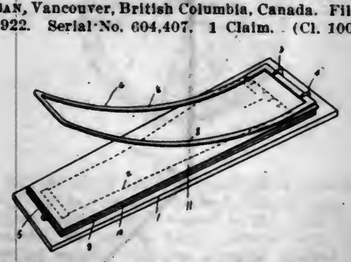
An article of the class described including an outer shell of fibrous material and a core of potting mold nested within said shell and having a seed or bulb receiving slot extending laterally through the same and also through the outer shell.

1,486,432. SUPPORT FOR FILAMENTS IN THERMIONIC VALVES AND OTHER TUBES. BENJAMIN HODGSON, Portsmouth, and STANLEY ROBERT MULLARD, Southfields, London, England. Filed Aug. 22, 1921. Serial No. 494,275. 3 Claims. (Cl. 250—27.)



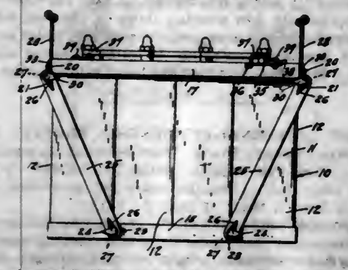
1. In combination, a vacuum tube envelope, a filament, a spring fastened to said filament, and means extending from said envelope whereby said spring maintains a uniform tension on said filament during abnormal heating of said envelope.

1,486,433. TROUSERS-PRESSING DEVICE. FRED HOGAN, Vancouver, British Columbia, Canada. Filed Dec. 1, 1922. Serial No. 604,407. 1 Claim. (Cl. 100—57.)



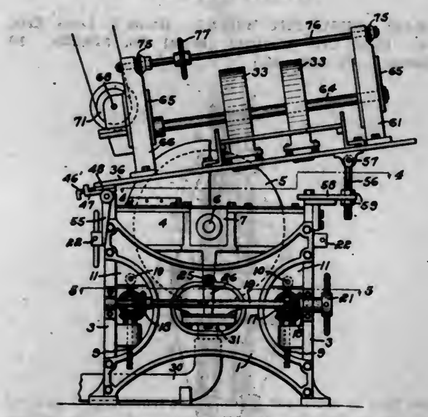
A trousers pressing device comprising, a flat base, a bowed spring open frame, hooks secured into the base adjacent one end under which one end of the said frame may be inserted, and a turnable hook secured into the base adjacent the opposite end capable of manipulation to hold down the opposite end of the frame when straightened.

1,486,434. STORAGE BATTERY. RICHARD J. HOLDEN, Fort Morgan, Colo. Filed Apr. 1, 1922. Serial No. 548,677. 11 Claims. (Cl. 204—38.)



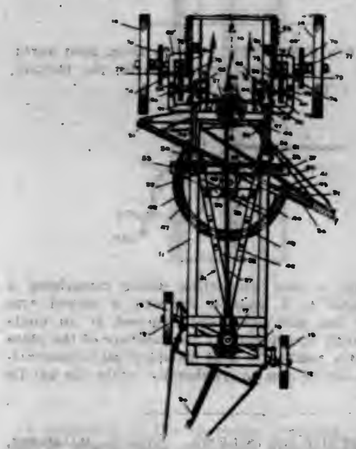
3. A storage battery comprising a cell container, a cell disposed within the container, a removable member abutting the upper ends of the container and cell, means for connecting the member and container for forcing the member into engagement with the upper ends of the container and cell, including pivoted links, cam plates pivoted to the links and engaging said member, and means for securing said cam plates in adjusted position.

1,486,435. ROD-GRINDING MACHINE. JONATHAN A. HUNT, Salem, Mass. Filed Aug. 17, 1920. Serial No. 404,110. 31 Claims. (Cl. 51—79.)



1. In combination, a work member, a housing substantially enclosing said work member, bearings in said housing within which said work-member is journaled to rotate, and means to raise and lower said housing together with said work member.

1,486,436. GRADING MACHINE. CHARLES H. JONES, Galva, Ill. Filed Feb. 5, 1923. Serial No. 617,093. 10 Claims. (Cl. 37—156.)



1. A grading machine comprising a main frame, a floating frame connected thereto, means on the main frame for raising and lowering the floating frame, a carrier pivotally connected with the floating frame for turning movement about a substantially vertical axis, and a scraper blade carried by said carrier and slidable longitudinally of itself with respect to the carrier.

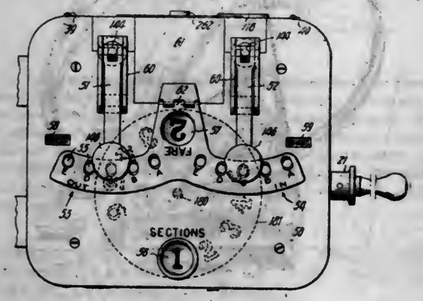
1,486,437. METAL SHANK FOR SHOES. HELMER G. JOSEPHSON, East Lynn, Mass., assignor, by direct and mesne assignments, to John L. Shevenell, Haverhill, Mass., and Helmer G. Josephson, Lynn, Mass., trustees. Filed Mar. 16, 1922. Serial No. 544,153. 5 Claims. (Cl. 36—76.)



1. A metal shank support adapted to be positioned between the insole and outsole of a shoe and having vertical side walls shaped to fit between the downwardly extending rib of the insole and provided with inturned flanges adapted to rest upon the under face of said insole.

5. A curved metal shank support adapted to be positioned between the insole and outsole of a shoe having a wide forward portion and a relatively narrow rear portion and provided with upwardly extending vertical sides extending from end to end and of equal depth throughout, said walls being shaped to fit between the downwardly extending rib of the insole and having inwardly extending flanges extending from end to end and forming flat bearing faces adapted to rest upon the under face of the insole.

1,486,438. VARIABLE-VALUE FARE-CHECK PRINTING AND COMPUTING MACHINE. GEORGE ALFRED JULIUS, Sydney, New South Wales, Australia. Filed Sept. 12, 1922. Serial No. 587,779. 23 Claims. (Cl. 235—31.)

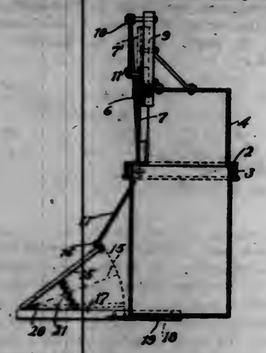


1. In a fare check printing machine, the combination of mechanism for printing of checks for particular sections only of a journey, manually controlled means for setting said mechanism, actuating means operatively dependent on and interlocked with said setting means, visible indicators for showing the journey sections for which the printing elements are set and for showing the fare charge relating thereto, counters intergeared with said indicators for registering the aggregate number of checks printed and the aggregate value thereof, typographical barrel printing elements for marking on a paper strip a list of journey sections and for cancelling the unrequired sections thereon, and means for severing the prints from the paper strip.

1,486,439. DUST COVER FOR ASH CANS. ALBERT D. KLAGES, Springfield, Mass. Filed Dec. 8, 1922. Serial No. 605,594. 5 Claims. (Cl. 220—36.)

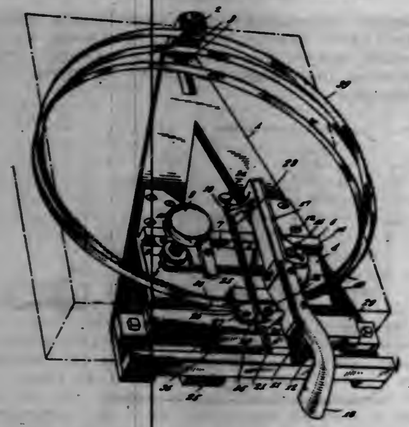
1. A device for the purpose described, comprising, a removable cover for a suitable receptacle and having an upwardly extending part, said cover having an opening in said part for gaining access to the receiving receptacle, a slidable closure for the opening, means for operating

the closure including a pedal device, connecting means between the pedal and the closure, the pedal device be-



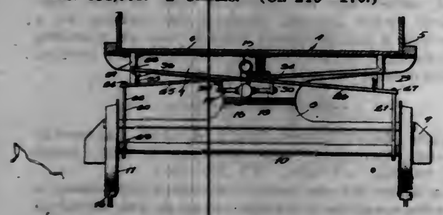
ing provided with means for automatically returning it to its normal position after operating the door to open the same.

1,486,440. SAW SHARPENER. WILLIAM H. KRAMER, Edinburg, Ind.; Emma Kramer administratrix of said William H. Kramer, deceased. Filed June 3, 1922. Serial No. 565,512. 15 Claims. (Cl. 76—33.)



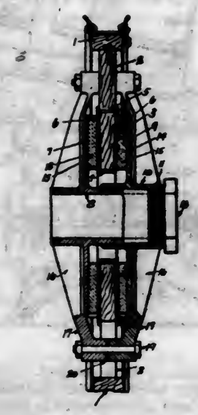
1. In a saw sharpener, the combination with means for holding at one point a plurality of sections of an endless band saw, one behind the other, with the teeth of said sections in alignment, of a cutting tool arranged to engage and sharpen said aligned teeth.

1,486,441. AUTOMATIC TRAIN BRAKE. JOSEPH J. LEVESQUE, Lewiston, Me. Filed July 26, 1923. Serial No. 654,003. 2 Claims. (Cl. 246—170.)



1. In an automatic train brake, the combination with a railroad train including a car body, a car truck including an axle and car wheels, and an air train pipe extending longitudinally of the car having a depending air bleeding valve connected therewith including an operating handle, of a brake applying device comprising depending arms receiving the axle, crossed connecting rods extending transversely across the entire width of the body pivotally secured at one of their ends to the car body and connected at their opposite ends to the axle engaging arms and means connecting the connecting rods with the handle of the valve.

1,486,442. RESILIENT WHEEL. HUGH C. LORD, Erie, Pa. Filed Oct. 8, 1919. Serial No. 329,239. 10 Claims. (Cl. 152—43.)



1. In a wheel, the combination of a hub member; a rim member, said members comprising parts overlapping radially; a resilient member comprising an axially extending resilient span rigidly secured to and forming a span between overlapping parts of the rim and hub members; and means acting on the members locking the ends of the span against axial movement toward each other.

1,486,443. BROOM HOLDER. PHILIP LUTZ, East Northport, N. Y. Filed Apr. 7, 1923. Serial No. 630,542. 2 Claims. (Cl. 24—254.)



1. A handle or tool supporting device comprising a plate attachable to a wall or support, a curved arm formed with the said plate and disposed at an angle thereto, inwardly struck ears at the juncture of the plate and arm, and a resiliently held clamping plate cooperating with the curved arm to frictionally retain the handle or tool.

1,486,444. STRUT OR COLUMN. NELS L. MALMGREN, Chicago, Ill. Filed Jan. 12, 1923. Serial No. 612,301. 3 Claims. (Cl. 248—2.)

1. A strut or column comprising a sleeve member consisting of flanged longitudinal members, transverse members which rigidly connect said longitudinal members together in spaced relation forming openings in the sides of said sleeve member across which said transverse members extend, a post member adapted to telescope within said

sleeve member, and a stop plate adapted to be inserted into said sleeve member with parts thereof projecting



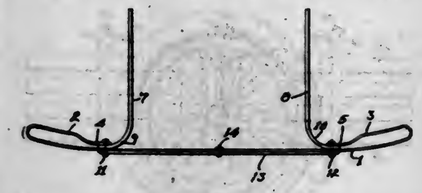
through longitudinal openings in the sides of said sleeve member so as to interchangeably interlock with transverse members of said sleeve, substantially as described.

1,486,445. CONFECTION CONTAINER. FRANK E. MAYOL, Salt Lake City, Utah. Filed June 28, 1922. Serial No. 571,333. 1 Claim. (Cl. 206—46.)



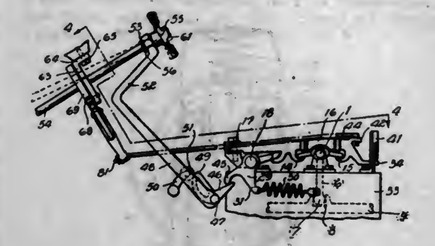
A container of the character described comprising a pair of semi-circular side walls having inturned flanges at the lower ends thereof, means for retaining said walls in a closed position to provide a closed space adapted to receive a confection, a bottom disposed within said container and normally resting on said inturned flanges, and means connected with the bottom whereby the same may be progressively raised to eject the confection through an opening in the upper end of the container.

1,486,446. SPRING BUMPER FOR AUTOMOBILES. DAVID M. MORGAN, San Francisco, Calif. Filed Nov. 29, 1922. Serial No. 603,961. 1 Claim. (Cl. 293—55.)



A vehicle bumper, comprising a pair of supporting brackets, a transverse bumper member having its ends doubled back thereon, and a bolt passing through the bumper member twice and through each supporting bracket.

1,486,447. AUTOMOBILE GEAR SHIFT. BERNARD HY. MOSSINGHOFF, Chicago, Ill. Filed Feb. 25, 1922. Serial No. 539,086. 23 Claims. (Cl. 74—58.)



1. In combination with a variable speed gear, a speed selecting device, including a pedal member, universally rockable into any of the positions of gear selection, independently of the actual gear-shifting movement; speed selector mechanism, actuated by said pedal member to determine the selected gear speed according to the position of said rockable pedal member; and means to shift said gears.

1,486,448. LOCK HOUSING. OLOF A. NORLUND, Williamsport, Pa. Filed Oct. 14, 1922. Serial No. 594,569. 10 Claims. (Cl. 85—32.)

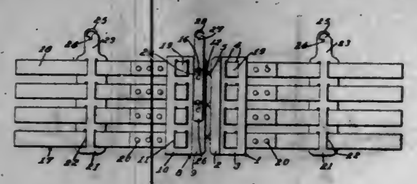


1. In a lock housing for the heads or nuts of screws and bolts, the combination with a swiveled housing or sleeve surrounding the nut or head and extending beyond the latter, and a revoluble guard ring also surrounding the nut or head and arranged within the housing or sleeve, said guard ring having engaging elements thereon.

1,486,449. BELT. ANDREW P. PANOS, Shreveport, La. Filed Nov. 22, 1921. Serial No. 517,061. 1 Claim. (Cl. 241—8.)

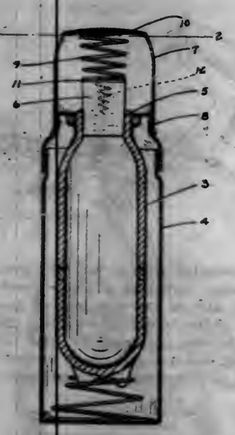
A belt comprising end members and means for connecting the end members releasably, main supports shiftable longitudinally of the belt, and extended above the

belt, an auxiliary support overlapped on one end member and extended thereabove, all of the supports being pro-



vided at their upper ends with button-holding elements, and means for connecting the auxiliary support releasably with said end member.

1,486,450. THERMOS-BOTTLE CLOSURE. JOHN W. PETERMAN, Cincinnati, Ohio. Filed Nov. 29, 1922. Serial No. 603,896. 1 Claims. (Cl. 215—13.)



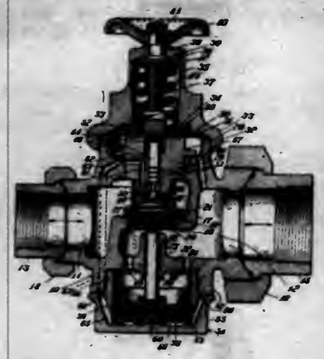
1. The combination with a closure such as a cork, of a spring, discs carried by the spring at its opposite ends, and a cork screw carried by one of the discs and extending into the closure whereby to positively fix the closure and the spring upon one another.

1,486,451. BUTTON. JAMES E. POTTER, Providence, R. I. Filed June 15, 1923. Serial No. 645,601. 4 Claims. (Cl. 24—101.)



1. A button formed of sheet stock folded to provide base and shank portions of double thickness, the free ends of the shank portions being enlarged to provide a hollow head, and a longitudinally-disposed stiffening rib in each of the shank portions abutting said base portion to assist in rigidly supporting the shank and base portion in substantially perpendicular relation.

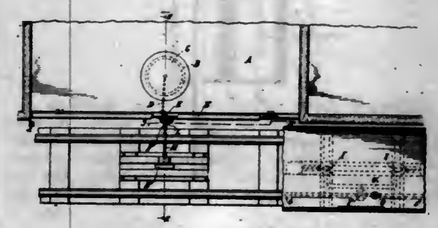
1,486,452. PRESSURE-REDUCING VALVE. EDWARD C. POST, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,170. 6 Claims. (Cl. 50—11.)



1. In a pressure reducing valve, the combination with a valve casing having inlet and outlet openings, a main valve between said openings, a cylinder detachably secured to said casing the outer or head end only of which is in communication with the inlet side of the valve casing and a free piston in said cylinder adapted by a stroke in one direction to open said valve.

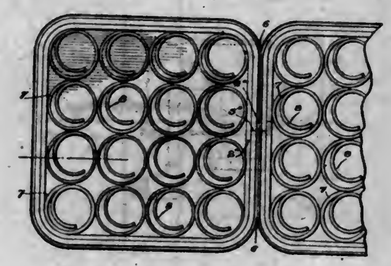
3. In a pressure reducing device, the combination with a main valve, a valve casing formed with a port controlled by the main valve and a duct leading from the high pressure side of the device, an auxiliary valve to close said duct and a pressure sensitive element subject to fluid pressure on the low pressure side of the device for operating the auxiliary valve; of a piston for operating said main valve and a cylinder removably attached to said casing in which the piston operates and provided with a duct leading to the face of the piston remote from the valve which duct communicates with the aforesaid duct in the casing and provides therewith the only opening as between the cylinder and the high pressure side of the device.

1,486,453. SAFETY DEVICE FOR PLATFORMS. JESSE RABB, Jr., Youngstown, Ohio. Filed Mar. 1, 1923. Serial No. 622,110. 7 Claims. (Cl. 104—30.)



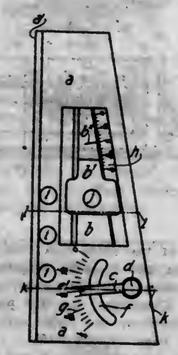
3. A safety apparatus for railroad platforms comprising a vertically movable safety guard located in proximity to the platform, said platform having a well therein, a weight adapted to travel in said well, said weight being connected with said guard to normally maintain the same in its operative upright position, and instrumentalities connected with an approaching vehicle adapted to automatically lower the guard when the vehicle is adjacent the platform.

1,486,454. EGG CARRIER. JOHN D. RIPSON, Rochester, N. Y., assignor of one-half to Alvah C. Remington, Rochester, N. Y. Filed Aug. 14, 1922. Serial No. 581,556. 5 Claims. (Cl. 217—35.)



1. An egg carrier comprising a compartment, and cylindrical cells having resilient walls fitted in said compartment in abutting relation, each cell having a relatively movable and resilient volute egg holding member connected at one end with the cell and extending in spaced relation to the inner face of the wall of the cell.

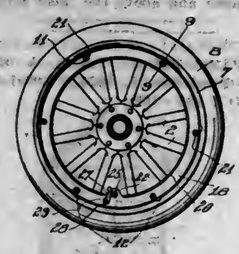
1,486,455. PARALLEL AND SECTIONAL RULER. ROCHFORT WYBRANTS ROBINSON, Marlow, England. Filed Jan. 11, 1922. Serial No. 528,486. 3 Claims. (Cl. 33—110.)



1. A ruler including a frame provided with a ruling edge and having an opening one side of which provides a gauge edge disposed at an angle with reference to the ruling edge, a scale on the said gauge edge, a shiftable gauge member carrying a marker adapted to be read in conjunction with said scale and said gauge member adapted to be shifted along the gauge edge to thereby be moved to a new position where it may be held while the frame is being adjusted to the new set position of the gauge member.

1,486,456. VEHICLE WHEEL. BROCK R. ROBLIN, Holley, N. Y., assignor to Lightning Change Auto Wheel Corporation, Rochester, N. Y., a Corporation of New York. Filed Mar. 25, 1921. Serial No. 455,383. 10 Claims. (Cl. 301—26.)

6. In combination with a wheel having a fixed rim and a demountable rim, bolts extending through the wheel, locking devices mounted to turn on said bolts, two rings supported on said bolts on opposite sides of the locking devices, an operating ring arranged between the first two named rings, and cooperating with the locking devices to effect the movement of the latter, a gear supported by



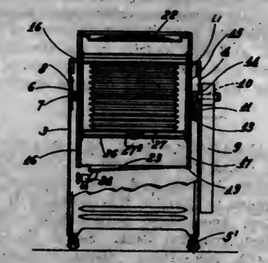
the first two named rings and cooperating with said operating ring to effect the movement of said operating ring, and means for locking said gear against turning.

1,486,457. VEHICLE WHEEL. BROCK R. ROBLIN, Rochester, N. Y., assignor to Lightning Change Auto Wheel Corporation, Rochester, N. Y., a Corporation of New York. Filed May 29, 1922. Serial No. 564,286. 7 Claims. (Cl. 301—29.)



6. In combination with a vehicle wheel having a fixed rim and a demountable rim, two ring members supported by the wheel, locking devices pivotally mounted between said two rings and adapted to be moved toward and from positions between the rings, an operating ring arranged between the rings and having notches in which the locking devices are adapted to be received, the walls of said notches cooperating with said locking devices effecting the movement of the latter toward and from locking position, said operating ring also having a notch, one wall of which is formed with gear teeth and an operating gear for the ring supported between the two rings in the notch and cooperating with the gear teeth to effect the movement of the operating ring.

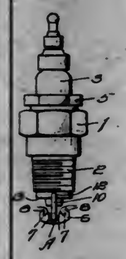
1,486,458. WASHING MACHINE. WILLIAM L. RODGERS, Pittsburgh, Pa. Filed Oct. 3, 1922. Serial No. 592,109. 4 Claims. (Cl. 68—21.)



1. A tub for an oscillating washing machine comprising a main body and end walls, a perforated corrugated false bottom spaced from the bottom portion of the main

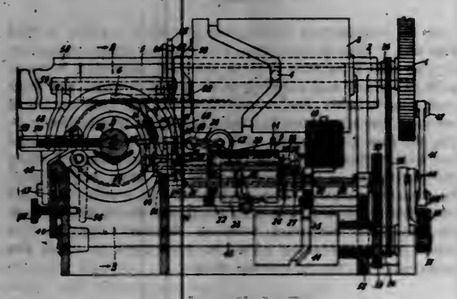
body and attached to said body and walls throughout substantially its entire perimeter, the main body being also corrugated throughout an appreciable extent immediately adjacent and above the false bottom.

1,486,459. SPARK PLUG. FLAVEL A. RUDOLPH, St. Louis, Mo. Filed Feb. 7, 1921. Serial No. 442,995. 6 Claims. (Cl. 123—169.)



1. In a spark plug, the combination of a conducting shell, an insulating core, a center electrode and a ground electrode depending from the lower end of the conducting shell pivotally connected thereto to freely swing in an arcuate path below the lower end of the center electrode, and a plurality of spaced tooth like members formed in the upper surface of the ground electrode.

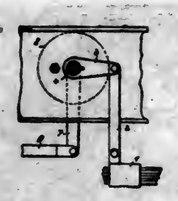
1,486,460. MACHINE FOR BINDING SAUSAGES. EDMUND SCHELLING, Dietikon, Switzerland. Filed Feb. 26, 1923. Serial No. 621,370. 2 Claims. (Cl. 17—1.)



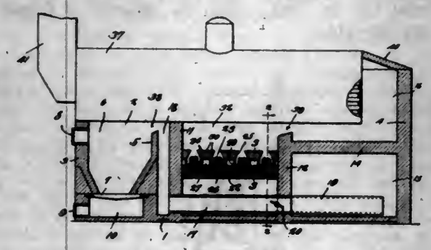
1. A machine for automatically binding sausages comprising a rotary sleeve, means to feed the stuffed skin through said sleeve, a ring-shaped shuttle rotatably mounted in said sleeve, a radial slot in said shuttle means to catch and hold the cord, means to rotate said rotary sleeve, and said shuttle in the sleeve, and means for feeding the cord, means to form two slings, and means for tightening the knot for the purpose specified.

1,486,461. APPARATUS FOR AUTOMATIC REGULATION OF BRAKING POWER ON VEHICLES. ALFRED SCHEUER, Vienna, and HUGO SCHEUER, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Netherlands, a Dutch Company. Filed Aug. 24, 1921. Serial No. 494,838. 6 Claims. (Cl. 188—195.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

5. In a brake-device, the combination of a brake-element to be actuated, a vehicle-spring, a coiled spring actuated by said vehicle-spring, and operative connections between said coiled spring and said brake-element responsive to load changes in the vehicle equipped with said brake-device, said connections including a shaft encircled by said coiled spring, and an annular body carried by said shaft and co-operating with said coiled spring for preventing transmission to said brake-element of jars incident to travel of the vehicle.



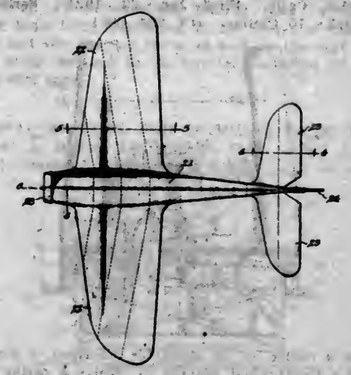
1,486,462. FURNACE. LINCOLN SHACKELFORD, Bonaparte, Iowa. Filed Oct. 17, 1921. Serial No. 508,211. 4 Claims. (Cl. 110—73.)



1. In a device of the class described, a boiler setting comprising a front and a baffle forming part of a fire pot; a forward cross wall disposed to the rear of the baffle and spaced therefrom, the fire pot communicating with the space between the baffle and the cross wall, across the upper edge of the baffle; a rear cross wall spaced from the forward cross wall and defining an intermediate chamber therewith; a back, spaced from the rear cross wall; a platform extended between the rear cross wall and the back and forming upper and lower chambers, the intermediate chamber communicating with the upper chamber across the upper edge of the rear cross wall; a flue extended through the intermediate chamber and establishing communication between the space at the rear of the baffle and the lower chamber; means for conducting the products of combustion from the lower chamber into the intermediate chamber; burners in the intermediate chamber, above the flue; and a boiler supported on the front and on the forward cross wall and extended into the upper chamber, the burners being disposed beneath the boiler.

1,486,463. TOY AEROPLANE. FRANK SHORT, Penn Yan, N. Y. Filed Mar. 13, 1923. Serial No. 624,744. 9 Claims. (Cl. 244—12.)

8. As a new article of manufacture, a toy aeroplane having a tapered U-shaped fuselage and integral wings pressed to form from a flat sheet of laminated material, said sheet being graduated in thickness by the use of superposed laminæ of graduated widths to cause said wings to taper from the front edge to the rear, said fuselage and wings, and the junctions of the wings with the fuselage, all being warped surfaces.



1,486,464. BURNER CLEANER. FRANK SMELIK, Nokomis, Ill. Filed Apr. 19, 1923. Serial No. 633,164. 5 Claims. (Cl. 158—220.)



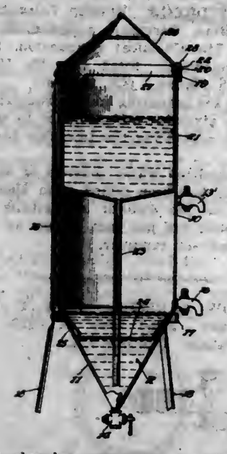
1. The combination with the burner of a miner's gas lamp, of a support movably carried by the burner and movable into positions depending from and in horizontal alinement with the burner, means on the support for movement toward and away from the burner and rotary cleaning movement within the opening of the burner, and reciprocable means in the first means for movement through the opening of the burner.

1,486,465. CONNECTING-ROD BEARING. RONALD ALYMER SMITH, Mount Pleasant, Pa. Filed June 4, 1923. Serial No. 643,377. 1 Claim. (Cl. 64—65.)



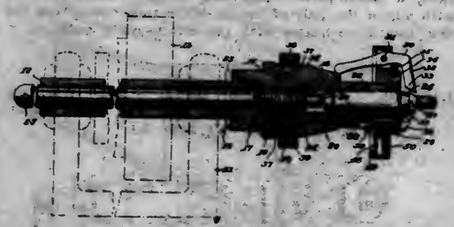
A connecting rod bearing having a fixed bearing block, a cap secured thereto, a movable bearing block arranged within the cap and having its underface inclined, a wedge fitted in between the inclined under face of the bearing block and the adjacent portion of the cap, a bowed spring having its ends engaging the wedge, and an abutment for the intermediate portion of said spring carried by said cap.

1,486,466. APPARATUS FOR CLEANING GASOLINE. JONAS A. SPARKS, Elk City, Kans. Filed Sept. 22, 1922. Serial No. 589,851. 1 Claim. (Cl. 210—47.)



In a fluid cleaning apparatus, a substantially cylindrical tank having an elongated conical bottom wall, a drain cock at the apex of said bottom wall, a container fitting telescopically in the cylindrical part of said tank and provided with a discharge pipe extending downwardly to within a short distance of said apex, a percolating strainer surrounding said pipe, an upturned flange on said strainer of different taper to said conical bottom wall and adapted to contact therewith along its top edge, and means for suspending said tank a suitable distance above the ground to permit its complete draining through said cock; said means including uprights, upper and lower annular bands connecting said uprights, said tank having an annular flange adapted to rest upon the upper of said annular bands, the lower ends of said uprights forming legs.

1,486,467. WORKHOLDER FOR SCREW-THREADING MACHINES. LOUIS SPITSFADEN, Elizabeth, N. J., assignor to Chrome Steel Works, Chrome, N. J., a Corporation of New Jersey. Filed May 28, 1921. Serial No. 473,510. 1 Claim. (Cl. 279—108.)



In a chuck of the class described, a chuck body having an axial opening extending therethrough, an abutment freely slidable in said body and projecting from the front end thereof, a bar threaded into and projecting from the rear of said chuck and forming a stop for the inner end of the abutment, jaws pivoted to the chuck body and having gripping ends arranged to move inwardly and toward the front end of said abutment, whereby to grasp an object and force it against the abut-

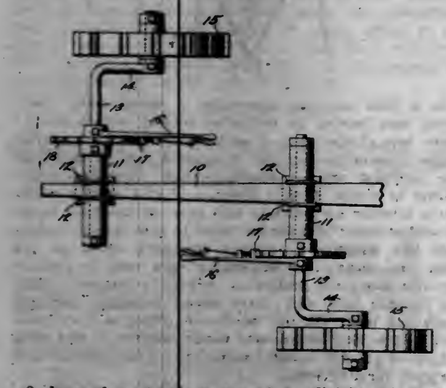
ment means to hold said abutment to rotate with the body, while permitting slidable movement therein, a projection on the end of the abutment arranged to co-operate with a recess in the article to be chucked and hold the same to rotate with the abutment, and means to operate said jaws.

1,486,468. PROCESS FOR RENDERING DURABLE EXTRACTS OF DRUGS. RUDOLF TAMBACH, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc., a Corporation of Delaware. Filed Jan. 25, 1917. Serial No. 144,516. 8 Claims. (Cl. 167—4.)

2. The process for preparing stable drug extracts which comprises adding glycerine and camphor to such extract, heating and then separating the insoluble from the soluble portions.

7. A new composition which consists of an extract of digitalis to which has been added from about 35 to 40 per cent—based on the amount of digitalis extract—of glycerine and about one per cent—based on the amount of glycerine added—of camphor.

1,486,469. PLOW CARRIER. ELVY T. UNDERWOOD, Field Creek, Tex. Filed June 29, 1923. Serial No. 648,599. 2 Claims. (Cl. 97—127.)



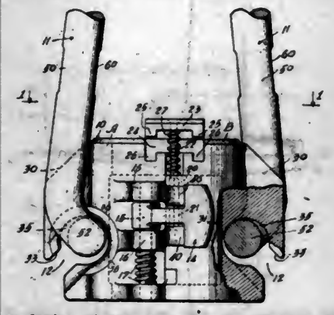
2. In a plow structure, spaced parallel beam carriers, an axle supported by each carrier, a wheel journalled on one end of each axle, a pair of spaced parallel beams independently supported by one of said carriers, an intermediate beam including a beam extension, said beam and its extension being supported by both of said carriers, a cross piece connecting the intermediate beam with one of the pair of beams, brace rods connecting the first mentioned beams with the intermediate beam.

1,486,470. FISHERMAN'S BELT. ROY WINSLOW WELCH, Kelso, Wash. Filed Apr. 18, 1922. Serial No. 554,578. 4 Claims. (Cl. 224—5.)



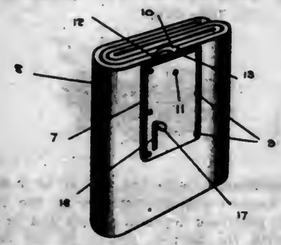
1. A fisherman's belt comprising a strip of flexible material, said strip being folded intermediately downwardly and then upwardly at each side to form a double intermediate portion, means at the ends thereof for adjustably connecting the same around the waist of the wearer, said belt having a series of pockets at the outside and a protector strip at the inside.

1,486,471. WELL-PIPE ELEVATOR. CHARLES E. WILCOX, Anaheim, Calif., assignor to E. C. Wilson, Los Angeles, Calif. Filed Jan. 29, 1921. Serial No. 440,933. 10 Claims. (Cl. 294—90.)



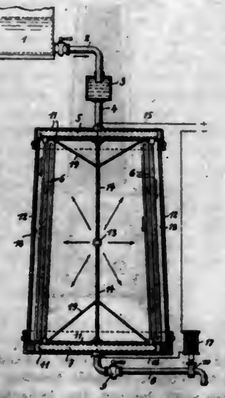
1. In a device of the character described, a structure having a longitudinal opening to receive a casing and a notch extending upwardly and inwardly in its side to the opening, and a supporting link carried in the inner part of the notch.

1,486,472. LOSS-PREVENTING DEVICE. MARTIN WINDECKER, Ponchatoula, La. Filed Aug. 5, 1922. Serial No. 579,837. 2 Claims. (Cl. 150—47.)



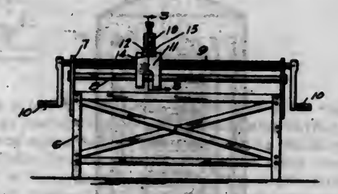
1. A loss preventing device comprising a case having an open end and a slot in one side, a claw pivoted in the case to be projected from said open end, a stud working in said slot and a link connecting said stud and claw.

1,486,473. APPARATUS TO STERILIZE LIQUIDS BY MEANS OF ULTRA-VIOLET RAYS. FABIEN AILHAUD, Beauvais, France. Filed Apr. 23, 1923. Serial No. 633,949. 2 Claims. (Cl. 99—15.)



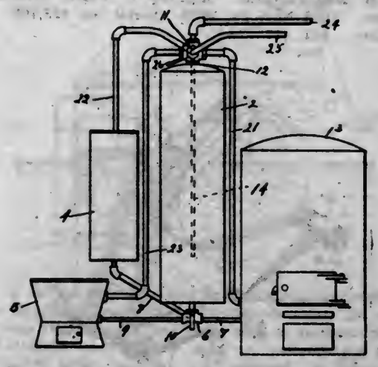
1. An apparatus to sterilize liquids, characterized by the arrangement of two circular tubes intercommunicating through a plurality of fine tubes made of cast quartz, bent several times, and fed by a main tank of liquid and an intermediate feeding tank; a mercury vapour lamp being positioned in the center of the apparatus, and the circular tubes as well as the cast quartz tubes being encased in an envelope adapted to retain ultra-violet rays.

1,486,474. MACHINE FOR TRIMMING SOLID TIRES. HARRY L. BAKER, Los Angeles, Calif. Filed Apr. 23, 1921. Serial No. 464,060. 4 Claims. (Cl. 82—4.)



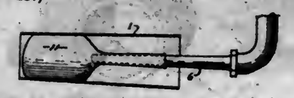
1. A machine for trimming solid tires comprising a frame, bearing plates secured to the ends of the frame, a plurality of rods rigidly connecting the bearing plates, a carriage slidable on the rods, a screw threaded shaft journaled in the bearing plates and threadedly engaging the carriage, cranks on the ends of the shaft, a tool holder having a tongue-and-groove connection with the carriage for sliding movement thereon, a screw threaded rod engaging the tool holder, a bearing plate secured to the carriage and rotatably supporting the rod, an operating crank fixed to one end of the rod, an extension formed on the tool holder having a tool receiving recess formed therein, and means for locking the tool within the recess.

1,486,475. HOUSEHOLD-BOILER CONNECTION. GEORGE C. BIENEY, Chester, Pa. Filed Dec. 11, 1922. Serial No. 606,101. 2 Claims. (Cl. 126—362.)



1. The combination with a hot water boiler and a plurality of heating devices of means for connecting a lead-in pipe with each of the heating devices, a boiler connection secured to the top of the boiler one stem of said connection opening into the boiler, a distributing pipe of smaller diameter than the interior of the stem connected with the boiler passing through said stem and connected with a stem directly opposite the first named stem, said pipe leading to a point adjacent the bottom of the boiler, a supply pipe connected to the same stem as the distributing pipe, a return pipe leading from each of the heating devices and each connected with a separate stem on the boiler connection, and a discharge pipe connected to another stem of the boiler connection.

1,486,476. PROCESS FOR UTILIZING HOG BLADDERS AS CASINGS FOR CHOPPED OR GROUND MEATS. ERNEST F. BLOSS, Wichita, Kans., assignor of one-half to Frederick W. Dold, Wichita, Kans. Filed Sept. 29, 1923. Serial No. 665,728. 1 Claim. (Cl. 17—45.)



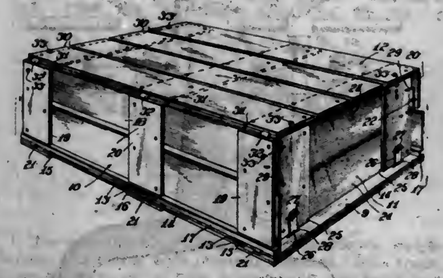
The process of producing a filled sausage, consisting in introducing a hog bladder in a hollow mold or form, having a substantially uninterrupted inner surface, filling the same while in said form, then applying heat to said mold and contained substances to cause said bladder to permanently conform itself to the shape of the mold and to adhere to the substance of the filling, and then removing said sausage longitudinally from said mold.

1,486,477. AUTOMOBILE SIGNAL. HERMAN BOCK, Milwaukee, Wis., assignor of one-half to John Sander, Milwaukee, Wis. Filed Feb. 4, 1922. Serial No. 534,120. 3 Claims. (Cl. 116—43.)



1. In a device of the class described, a cylindrical opaque casing having a window therein, a transparent casing rotatably mounted within the first mentioned casing and coaxial therewith, a spring normally holding the transparent casing in a predetermined position, signalling indicia on said transparent casing on each side of the window and normally concealed by the outer casing, means for oscillating the transparent casing in either direction to bring the indicia into view, and a lamp supported by one end of the outer casing and projecting within the transparent casing, said last named casing being provided with an arcuate slot through which the lamp projects and the ends of which limit the oscillation of the casing.

1,486,478. KNOCKDOWN CRATE. EDGAR T. BOND, Chicago, Ill. Filed Jan. 31, 1921. Serial No. 441,331. 7 Claims. (Cl. 217—47.)



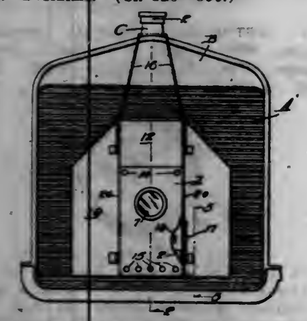
1. In a knock-down crate, the combination with a bottom and end pieces, of means pivotally connecting the end pieces with the bottom comprising staples secured to the bottom, straps looped through said staples and secured to the lower marginal portions of the end pieces, folding side pieces hinged to the bottom piece, and guide wires at the inner faces of the end portions of said side pieces, said end pieces having loops which embrace said guide wires.

1,486,479. METHOD FOR THE MANUFACTURING OF RADIATOR NIPPLES. WILHELM BÖTTGER, Biebesheim, Germany. Filed May 5, 1923. Serial No. 636,909. 2 Claims. (Cl. 29—156.)



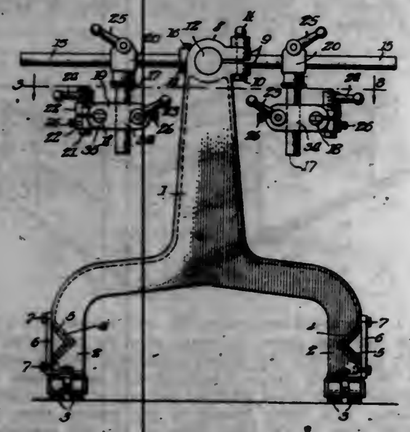
1. A method for the manufacturing of radiator nipples consisting in pressing into a piece of band iron two ribs designed to serve as abutments for the wrench, in rolling said piece of band iron to form a cylindrical body and in cutting threads into the outer surface of said cylindrical body.

1,486,480. AUTOMOBILE RADIATOR HEATER. SAM BREST, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 527,396. 2 Claims. (Cl. 126—350.)



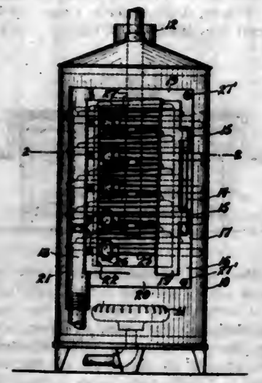
1. A heater for an automobile radiator comprising a housing open at one side and adapted to be mounted with said open side adjacent a vertical surface of the radiator, together with a heating device in the housing, and laterally extending wings hinged to the housing for extension in the plane of its open side for shielding the adjacent radiator surface from the wind.

1,486,481. MOTOR STAND. FRANK LEROY COLE, Chicago Heights, Ill., assignor to Canedy-Otto Mfg. Co., Chicago Heights, Ill., a Corporation of Illinois. Filed Nov. 10, 1921. Serial No. 514,182. 7 Claims. (Cl. 29—89.)



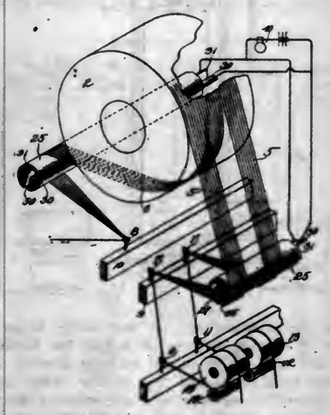
1. In a motor stand, the combination of a frame having a pair of spaced side rails independently pivoted thereon on aligning axes perpendicular to said rails, and means on said rails adjustable circularly thereabout and to and from the pivotal axes of said rails and adapted to be connected with a motor.

1,486,482. HOT-WATER HEATER. GEORGE COWLES, Sacramento, Calif. Filed Aug. 2, 1921. Serial No. 489,163. 4 Claims. (Cl. 122—250.)



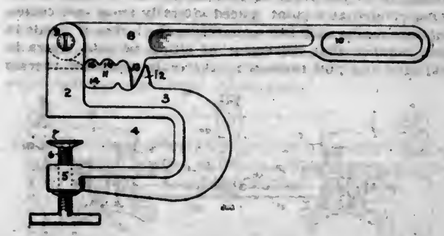
1. A hot water heater comprising an outer casing having a door opening formed therein, a plurality of circulating coils in the casing, and accessible through said openings, a one piece door frame secured around the marginal edge of said opening, a door hinged to the frame to close the opening, and a water distributing manifold formed as a part of said door frame and separably connected to each of said circulating coils.

1,486,483. AUTOMATIC THREAD-DETECTING AND STOP MECHANISM. MILLARD F. FIELD, Winthrop, Mass. Filed Nov. 12, 1920. Serial No. 423,703. 16 Claims. (Cl. 117—28.)



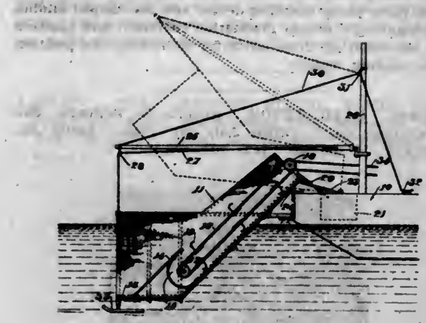
1. A machine of the kind described, comprising means from which a plurality of threads are unwound, a plurality of winding devices on which cords comprising a group of said threads are twisted and wound, and thread detector mechanism interposed between the unwinding means and the winding means operable on the breaking of a thread, in combination with a member enclosing said detector mechanism.

1,486,484. CHAIN-REPAIR TOOL. VICTOR A. FISCHER, New York, N. Y. Filed Jan. 25, 1922. Serial No. 531,582. 3 Claims. (Cl. 81—15.)



1. In a tool for repairing chains, two parts hinged together at one of their respective ends and having all the remaining operative portions extending in the same direction wholly to one side of the hinge, said two parts shaped to form clamping jaws in direct alinement, said jaws each provided with a prong respectively arranged at different distances from the hinge and overlapping, the total combined width across the two prongs being least when the ends of the prongs are in close relation and greatest when the prongs are in maximum overlapping relation, and wherein further, the two jaw parts of the tool intermediate of the prongs and hinge are respectively provided with opposing clamping portions and in which at least one of said portions is provided with two transverse grooves, said opposing portions and the prongs being all in the same plane.

1,486,485. SHRIMP-CATCHING DEVICE. JOHN H. FRISSELL, Oakland, Calif. Filed Jan. 19, 1921. Serial No. 438,368. 3 Claims. (Cl. 43—4.)



1. A device of the character described, comprising a cage member formed of reticulated material, the front and rear ends of said cage being open, a semi-cylindrical trap member formed in the cage, an inclined trap board associated with the trap and adapted to direct the shrimps within the trap, and a conveyor having one end positioned within and concentric with the trap and to elevate the shrimps from the trap through the rear end of the cage.

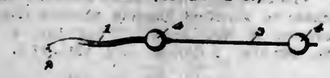
1,486,486. VIBRATOR. PHILETUS W. GATES, Chicago, Ill., assignor to Mumford Molding Machine Company, a Corporation of New Jersey. Filed Jan. 4, 1919. Serial No. 269,582. 2 Claims. (Cl. 121—17.)

1. A vibrator comprising a cylinder closed at the ends, a piston reciprocably mounted therein to impact at the ends of said cylinder, said piston being provided with an interiorly located duct, said cylinder being provided with a fluid supply inlet, means to maintain constant communication between said inlet and said duct, and ducts



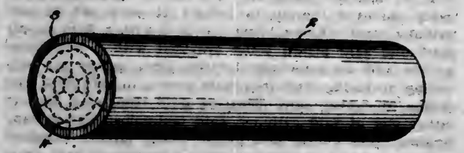
leading from said first-named duct to the respective ends of said cylinder, one of said second-named ducts being relatively larger than the other.

1,486,487. METHOD OF FORMING THREAD TIPS. CHARLES B. GUDEBROD, St. Davids, Pa., assignor to Gudebrod Bros. Silk Co., Inc., New York, N. Y., a Corporation of New York. Filed June 23, 1923. Serial No. 647,343. 2 Claims. (Cl. 24—143.)



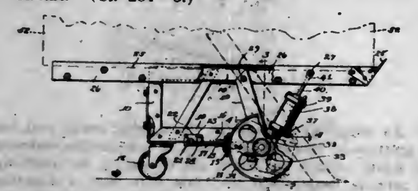
1. The method of forming a tip on a thread for use in stringing beads, consisting of immersing the ends of the thread in hot bone glue, after which the said ends are again immersed in a light solution of bees' wax.

1,486,488. ARTIFICIAL FUEL AND METHOD OF MAKING SAME. JOHN R. HINMAN, Indianapolis, Ind. Filed Dec. 3, 1923. Serial No. 678,187. 5 Claims. (Cl. 44—24.)



1. A combustible fuel comprising a compacted body portion of finely divided waste, oil, and clay; and a substantially hermetically sealed jacket surrounding said body portion.

1,486,489. TRUCK FOR HANDLING ROLLS OF PAPER. THOMAS JOHANSEN and EDWARD KEHOE, Baltimore, Md. Filed Dec. 27, 1922. Serial No. 609,278. 5 Claims. (Cl. 254—3.)



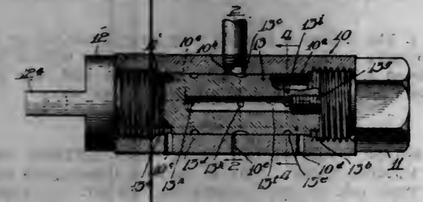
1. The combination with a truck-frame having wheels thereon, of a tilting table pivotally attached to the truck-frame so as to swing from a horizontal to an inclined position, a cylinder to contain a fluid and having a piston therein said cylinder and piston being interposed between the truck-frame and the tilting table and movable together with the table while the latter makes a preliminary movement and upon a further movement of the table the piston and cylinder being relatively moved to displace the fluid in the cylinder to check the movement of the table.

1,486,490. BAG FRAME. JOSEPH F. KITCHELL, Newark, N. J., assignor to The R. Neumann Hardware Co., a Corporation of New Jersey. Filed Oct. 21, 1920. Serial No. 418,436. 4 Claims. (Cl. 190—49.)



1. A bag-frame comprising an outer frame-section and an inner frame-section, and an auxiliary re-enforcing strip secured to the outer face-portion of said inner frame-section, said strip being formed with a marginal re-enforcing element in the form of a bead-like edge.

1,486,491. VIBRATOR. WILLIAM P. KRAUSE, Chicago, Ill., assignor to Mumford Molding Machine Company, a Corporation of New Jersey. Filed Jan. 4, 1919. Serial No. 269,579. 2 Claims. (Cl. 121—17.)



1. A vibrator comprising a cylinder, a piston reciprocably mounted therein to impact at each end of said cylinder, said cylinder being provided with a fluid supply inlet and said piston being provided with a peripheral groove and an interiorly located duct, means for conveying operating fluid from said groove to said duct, and means to convey said operating fluid from said duct to either end of said cylinder, said last-named means comprising cross ducts, said piston being further provided with peripheral grooves at the emergence of said cross ducts.

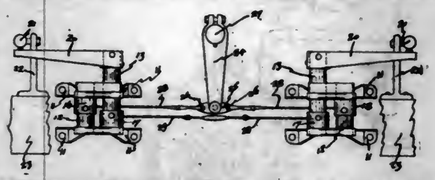
1,486,492. METHOD FOR THE IGNITION OF BLASTING CARTRIDGES. ADOLF MESSER, Frankfort-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 469,768. 2 Claims. (Cl. 102—6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. An improved method for the making ready and for the ignition of blasting cartridges of combustible material and liquid oxygen or liquid air consisting in inserting the priming device into the blast hole with a separate support which is not impregnated instead of dipping the same into the liquid together with the carbon cartridge in order to prevent premature ignition or misfiring.

1,486,493. CONTROL. LESSITER C. MILBURN, East Cleveland, Ohio, assignor to The Glenn L. Martin Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 4, 1923. Serial No. 655,740. 15 Claims. (Cl. 244—29.)

1. In combination, a pair of cables extending in propinquity to each other, a first pair of levers, a second pair of levers spaced longitudinally of said cables from said first pair of levers, one lever of each pair being connected to one of said cables and the other lever of each pair being connected to the other of said cables, each of said levers being pivoted at a point spaced laterally from said cables, separate means each interconnecting the levers of a pair in such manner that movement of either of said levers in response to a pull thereon by the cable connected thereto



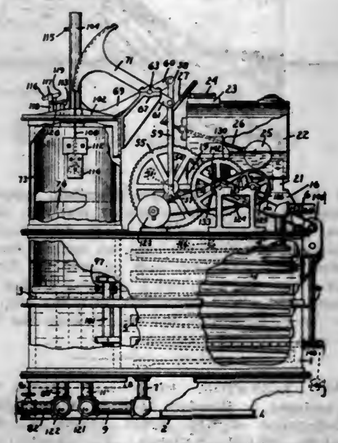
results in a pull by the other lever of that pair upon the cable connected thereto, a control stick acting upon one of said cables at an intermediate point thereof, an aileron pivoted adjacent each of said pairs of levers, and means connecting each aileron with the adjacent pair of levers in such manner that movement of said pairs of levers in one direction effects one movement of said ailerons and movement of said pairs of levers in the reverse direction effects reverse movement of said ailerons.

1,486,494. SLIDING-WEIGHT SCALE. GEORG OLLERT, Berlin-Neukolln, Germany. Filed May 31, 1921. Serial No. 473,981. 4 Claims. (Cl. 265—49.)



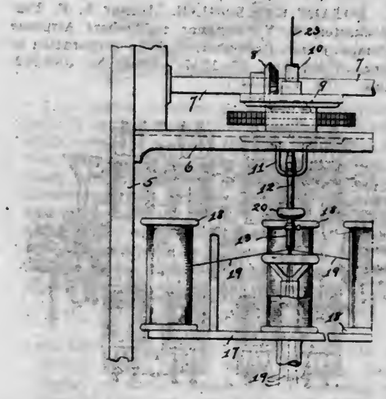
1. An improved sliding weight for scales comprising in combination with the scale beam, a guiding device on the weight beam, a rod-shaped sliding weight movably mounted in said guide, so that it can be shifted to either side, one of these parts (guiding device and rod-shaped sliding weight having a double graduation thereon), and markers upon the other of these parts for indicating the position of the sliding weight.

1,486,495. CARBURETOR. ALFRED E. ROBERTS, San Francisco, Calif. Filed July 28, 1919. Serial No. 313,810. 3 Claims. (Cl. 261—26.)



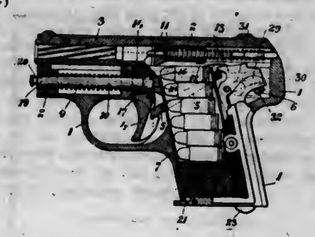
2. A carbureting machine, comprising a mixing chamber having an air inlet and a carbureted-air discharge outlet, means for introducing determinate quantities of gasolene into said chamber, a pair of vertically movable carbureted air induction and holding bells, water-sealed at their lower ends, the outlet from said chamber communicating through valved conduits with the interiors of said bells, elevating mechanism for lifting said bells alternately and holding each bell in elevated position to permit the vacuum created therein to be filled by carbureted air induced through said carbureter, and controlling means for causing said mechanism to release the elevated bell when the other bell has discharged its contents.

1,486,496. ATTACHMENT FOR THREAD-TWISTING MACHINES. FRANK M. ROGERS, Baltimore, Md. Filed Aug. 15, 1923. Serial No. 657,494. 4 Claims. (Cl. 117—21.)



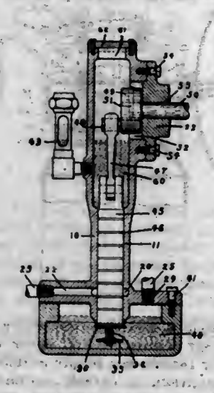
1. In a thread twisting machine the combination with a tubular guide, of means for delivering a series of thread strands to the guide, means for twisting the strands together and a basin closely fitting the exterior of the tubular guide above the entrance of the thread strands.

1,486,497. SELF-LOADING PISTOL WITH FIXED BARREL. HANS SCHMEISSER, Suhl, Germany. Filed Aug. 26, 1921. Serial No. 495,802. 2 Claims. (Cl. 42—3.)



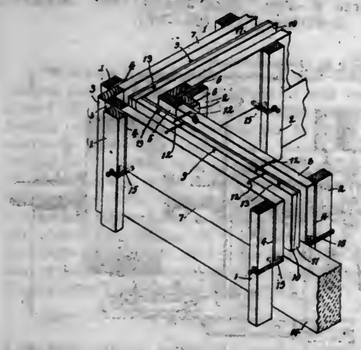
1. In an automatic pistol with barrel removably fixed in the handle, means for preventing the removal or insertion of the magazine unless a safety device has been brought by hand into the position for locking the sear said means comprising in combination with a cartridge magazine removably mounted in the pistol, a pivotable holder for locking said magazine in its position, a sear locking shaft having a shallow groove which determines the unlocked position and a deep groove which determines the locked position, a safety lever accessible from the outside designed to operate said locking shaft, a spring-controlled piston situated between said holder and said locking shaft, said piston having a groove in its outer face, an extension at the upper end of said piston designed to engage with one or the other groove of said locking shaft, a nose at the lower end of said pivotable holder designed to lock the magazine in its position, and a nose at the upper end of said pivotable holder designed to engage with said groove of the piston so that it holds the piston in the locking position until the lower nose of the holder has gripped behind the inserted magazine said holder being then pivoted by the action of its spring so that said nose disengages from the groove and releases said piston.

1,486,498. PUMP. HARRY F. SMITH, Dayton, Ohio, assignor, by mesne assignments, to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 10, 1921. Serial No. 436,236. 3 Claims. (Cl. 230—6.)



1. A pump of the character described comprising in combination, a vertical cylinder barrel, having a piston receiving bore therein; an enlargement at the upper end of said cylinder barrel, a chamber in said enlargement forming a continuation of the cylinder bore, a sealing liquid within said chamber; a piston in said cylinder bore, and spaced grooves around said piston, one end of the piston extending into said chamber, there being no packing glands surrounding said piston, the chamber in said enlargement being constructed to contain a sealing liquid which at all times covers the end of the piston within said chamber.

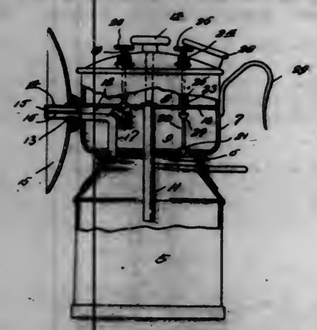
1,486,499. MOLD FOR CONSTRUCTING CONCRETE BUILDING WALLS. JOHN TAYLOR, Forest Grove, Oreg. Filed May 12, 1922. Serial No. 560,494. 2 Claims. (Cl. 25—131.)



2. In a mold of the character described, an outside series of flat rectilinear mold plates adapted to extend around a building on a horizontal plane, an inside series of similar mold plates, and an intermediate series of mold plates comprising, respectively, a pair of wedge-sections, and

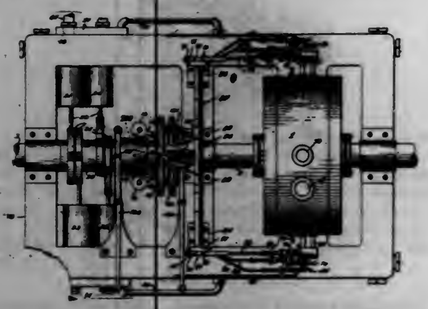
yokes for laterally spacing all of said plates and maintaining them in spaced relation, and ties for supporting the intermediate mold plates, and an upright framework, and clamps for removably supporting the inside and outside mold plates on said frame-wark, and spacing plates supported on said clamps and adapted for holding said plates in properly spaced relation.

1,486,500. ACETYLENE LAMP. SAMUEL G. THOMASSON, Jasonville, Ind. Filed Sept. 4, 1923. Serial No. 660,791. 2 Claims. (Cl. 48—4.)



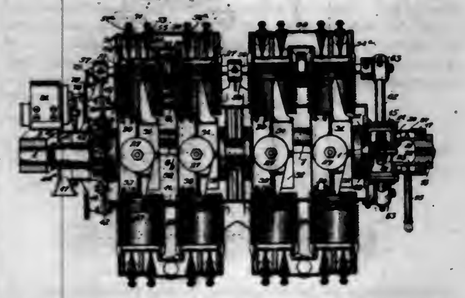
1. In an acetylene lamp of the character described, an upper container divided into an upper water compartment and a lower reserve gas supply chamber by means of a horizontal partition, a carbide container detachably joined to the lower end of said first named container, means for manually controlling the supply of water to the carbide container from said water chamber, a two passage burner tip supported by the first named container, means for establishing communication between one passage of the burner and the carbide container when said containers are joined, means for permitting the flow of gas from the carbide chamber or container to the reserve gas supply chamber at will, and manually operable means for controlling the supply of gas to the other passage of the burner from said reserve gas supply chamber.

1,486,501. ROTARY INTERNAL-COMBUSTION ENGINE. GROSCE W. TICE, Flint, Mich., assignor to Tice and Company, Indianapolis, Ind., a Copartnership composed of Irma A. Schroeder, Wilna L. Doepker, Angie F. Tice, and George W. Tice. Filed Jan. 9, 1920. Serial No. 350,307. 3 Claims. (Cl. 123—15.)



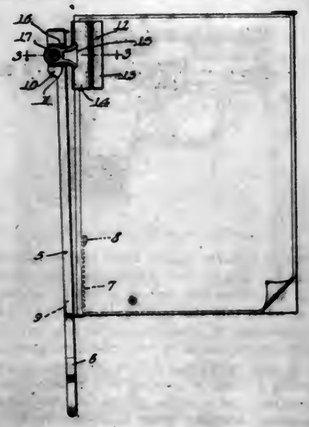
1. In an internal combustion engine, a stator and a rotor, the rotor having a series of pockets formed in the face thereof open to the inner face of the stator, a series of valve plates equal in number to the number of pockets and being pivotally supported on the stator, said stator having a recess for each valve plate, a fuel intake line and an air line for each valve recess opening directly therein behind the valve plate, a plurality of exhaust ports equal in number to the number of rotor pockets to which the said pockets open subsequent to ignition of the fuel charge, a valve for the fuel intake and a valve for the air supply line of each group, an operating mechanism therefor comprising a cam member rotatable in fixed relation with the rotor, a member riding on said cam, a rock lever actuatable by movement of the said cam riding member, the air supply valve being connected at one end of the rock lever, and the fuel control valve being connected with the other end of the rock member.

1,486,502. ROTARY GAS ENGINE. HENRY L. F. TREBERT, Rochester, N. Y., assignor to Trebert Airplane Motor Company Inc., Rochester, N. Y., a Corporation of New York. Filed Aug. 27, 1917. Serial No. 188,342. 12 Claims. (Cl. 123—44.)



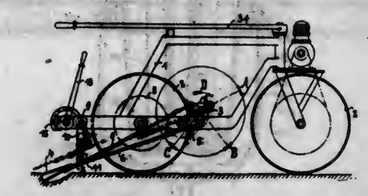
1. In a rotary engine the combination with a fixed crank shaft of a set of cylinders comprising two opposed pairs, a rigid connection between the pistons of a pair providing for operative connection thereof with the crank shaft, comprising a plane web and a reinforcing rib on one side thereof; the webs of the pairs lying substantially in contact.

1,486,503. BOOK OR MAGAZINE HOLDER. ALONZO F. TRIMBLE, Hoganasville, Ga. Filed July 9, 1923. Serial No. 650,498. 2 Claims. (Cl. 129—1.)



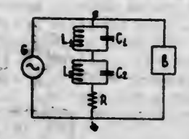
1. A book or magazine holding device comprising a holding member provided with a hand gripping part, a holding element secured to the holding member and extending longitudinally thereof toward the forward end of the member and adapted to be passed into the book or magazine, between the leaves thereof, and a spring clamp attached to the forward end of the holding member and having jaws extending toward the side of the holding member upon which said holding element is located.

1,486,504. HOEING MACHINE. ROBERT WADENBACH, Magdeburg, Germany. Filed May 6, 1922. Serial No. 559,098. 3 Claims. (Cl. 97—36.)



1. A hoeing machine in which a reciprocating movement is communicated to the hoeing knives from a crank shaft, eccentric shaft or the like, comprising in combination with the crank shaft, means for driving said crank shaft from the running wheels of the machine, hoeing tools, connecting rods one for each tool connecting said tool with the crank shaft, a shaft mounted in the machine frame, articulations composed of two or more articulated members for suspending the ends of the connecting rods to said shaft, and means for preventing the lateral displacement of said articulations.

1,486,505. STABILIZING OSCILLATION GENERATORS. KARL WILLY WAGNER, Berlin, Germany, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 28, 1923. Serial No. 648,310. 4 Claims. (Cl. 250—36.)



3. An arrangement for the stabilization of oscillation generators comprising in combination an oscillation generator, a primary load adapted to operate within a certain working frequency range and a supplemental stabilizing load connected to said generator external to the tuned load, said supplemental load comprising a plurality of oscillatory circuits tuned to exclude different frequencies within the limits of the working range whereby each of said tuned circuits is adapted to substantially exclude a portion of the frequencies within the working range and said combined circuits are adapted to impose an increased supplemental load on the generator outside the limits of the working frequency range.

1,486,506. STABILIZING OSCILLATION GENERATORS. KARL WILLY WAGNER, Berlin, Germany, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 28, 1923. Serial No. 648,311. 2 Claims. (Cl. 250—36.)



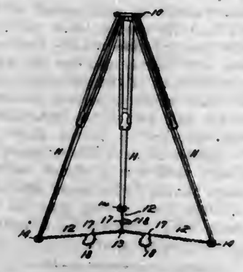
1. An arrangement for stabilization of oscillation generators comprising in combination an oscillation generator adapted to operate within a particular working frequency range, a primary load connected thereto which is substantially independent of said working frequency; a filter connected, between said load and said oscillation generator for passing the working frequency and excluding secondary harmonic or undesired frequencies produced by said generator whereby the load imposed on said generator assumes the characteristics of a load tuned to the working frequency, and a supplemental stabilizing load connected to said generator, said supplemental load consisting of an oscillation circuit for substantially excluding the working frequency and imposing an increased supplemental load on the generator at nearby frequencies.

1,486,507. ROPE CLAMP. FRANK E. WALKER, Elmhurst, N. Y. Filed June 15, 1922. Serial No. 568,471. 2 Claims. (Cl. 24—134.)



1. A rope clamping device of the class described comprising a block having a central partition extending from the top to the bottom thereof, said block being open on each side of the partition forming two compartments to permit of the passage of a flexible member therethrough and eccentrically pivoted means within each compartment and at the bottom thereof for cooperating with the partition so as to clamp said flexible member all in the manner and for the purpose specified.

1,486,508. TRIPOD. FRANK A. WEEKS, Plainfield, N. J., assignor to Laurence V. Coleman, Washington, D. C. Filed Apr. 6, 1921. Serial No. 459,074. 4 Claims. (Cl. 248—48.)

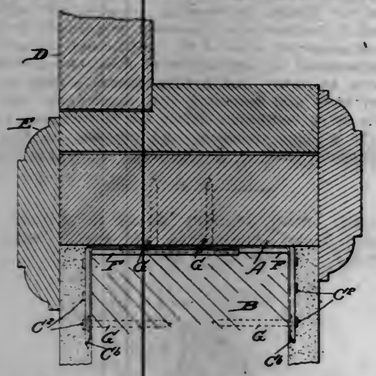


1. A triped having foldable legs, and means for positioning and controlling the spread of said legs and to be placed on the floor under the tripod, comprising three flexible chains connected together at their inner ends centrally below the tripod and thence extending outwardly to the lower ends of said legs, and means of ring character on the outer ends of said chains to receive and restrain the lower ends of said legs, said positioning and controlling means being a unitary structure separate from the tripod and resting on the floor and at the ends of the chains freely and detachably receiving and confining the extreme lower ends of the tripod legs and having no permanent connection therewith.

1,486,509. BUCK ANCHOR. JOHN A. WHITTAKER, Detroit, Mich. Filed Mar. 16, 1923. Serial No. 625,455. 9 Claims. (Cl. 72—98.)

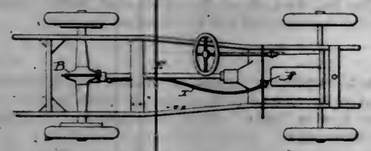
1. In a device of the character described, the combination of a pair of co-acting plates, each plate being bent at right-angles to its body portion, whereby when adjust-

ed in relation to each other they may be adapted to receive and overlap the sides and edge of walls of various



widths; and means for securing the plates to the buck of a door at any point along the buck or window casing, and at any point along the abutting edge of the wall.

1,486,510. INSTRUMENT DRIVE FOR MOTOR VEHICLES. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 17, 1922. Serial No. 544,649. 2 Claims. (Cl. 74—7.)



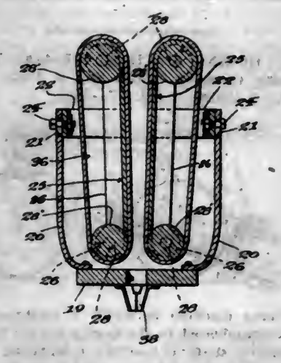
1. In a motor vehicle in combination with a differential mechanism and its casing, said casing having an aperture in the forward side of the bell which encompasses the main gear wheel, and the driving pinion carried by the intruded end of the propeller shaft, meshing with said main gear wheel; a second pinion on the propeller shaft within said bell of the differential casing; a closure for said aperture; a driven shaft journaled in said closure; a pinion on said driven shaft at the inner side meshing with said second pinion on the propeller shaft; the closure having at its outer side a terminal for connecting a flexible shaft casing, and the outer end of said driven shaft being adapted for coupling the rotating element on the flexible shaft.

1,486,511. DIVIDED LAST. GEORGE E. BELCHER, Orleans, Mass. Filed July 27, 1922. Serial No. 577,914. 2 Claims. (Cl. 12—136.)



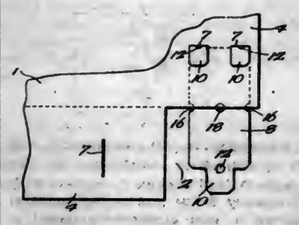
1. A divided last comprising a fore part and a heel part, said parts having curved contacting joint surfaces therebetween, a link pivotally connecting said parts, a spring pressed locking plunger having a rounded head and mounted in one of said last parts, the other last part having a locking bore rabbeted with said head and adapted to receive the same when the last is extended, said bore and locking plunger being disposed within the surfaces of continuous contact in all positions of the last parts and being offset laterally relative to said link.

1,486,512. PLANT-SETTING MACHINE. BUD W. BOON, Dardanelle, Ark. Filed Dec. 15, 1921. Serial No. 522,563. 2 Claims. (Cl. 111—3.)



1. In a plant setting machine, a frame, a horizontal yoke suspended below the frame, furrow opening means on the yoke, vertical spring arms mounted on the arms of the yoke, horizontally disposed yokes mounted on the upper ends of the spring arms, upwardly directed members disposed between and carried by the horizontal yokes and diverging upwardly with respect to each other, rollers supported by the upper and lower ends of the diverging members, and endless belts engaged around said rollers.

1,486,513. BOX CORNER. PETER D. CRAIG, Chicago, Ill. Filed Mar. 3, 1923. Serial No. 622,477. 3 Claims. (Cl. 229—49.)

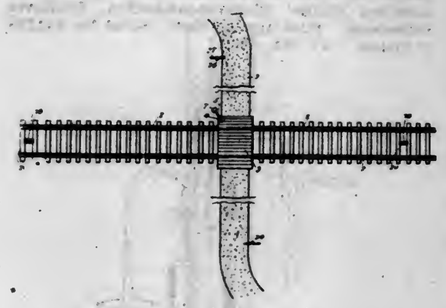


1. A box construction in which the box walls are of fibrous material and have slots formed in them near the corners, and a metallic corner plate adapted to pass around the corner of the box and having tongues at the ends adapted to penetrate the slots in the box walls for holding them in position, the metal being partially cut away between the ends of the plate and at the base of the tongues for thus defining the lines of bend and causing the plate to be self adjusting in the sense of bringing the tongues into register with the slots when the parts are assembled.

1,486,514. AUTOMATIC SIGNAL FOR RAILROAD CROSSINGS. BOYD B. CUNNINGHAM, Atchison, Kans. Filed Feb. 20, 1923. Serial No. 620,256. 4 Claims. (Cl. 246—125.)

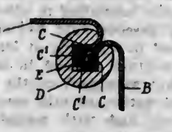
2. An automatic signal of the class described including a casing, spaced guide members in the top of said casing, trip members hingedly connected at their inner ends and movable between the said guide members, a reciprocating member connected to said trip members at the hinged connection therebetween, guides in the said casing for the said reciprocating member, a transverse shaft in the said casing, a rotatable member keyed

to said shaft and actuated by the said reciprocating member, a switch operated by said rotatable member,



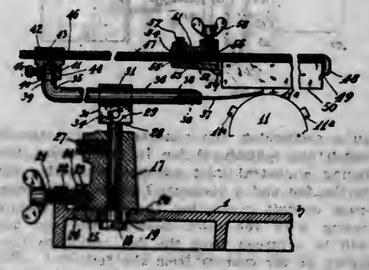
a visual signal operated by said switch, and a coil spring associated with the reciprocating member for returning the same to an operative position.

1,486,515. PIT TUB. ROBERT WILLIAM CUTHBERTSON, Chequerbent, near Bolton, England. Filed Aug. 22, 1921. Serial No. 494,445. 1 Claim. (Cl. 296—29.)



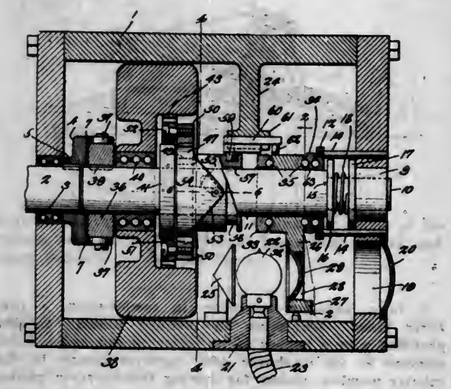
A corner joint for use in assembling plates to form a pit tub, comprising rounded inturned edges to said plates, an extension of each said inturned edges parallel to said plate, an integral lip offset from said extension, said extension and lip forming a V-shaped trough which with assembled plates produces a bead of square section, a clip around said bead and a filling within the bead tending to press the V-shaped portions outward against the clip.

1,486,516. SHARPENING MACHINE FOR REAMERS AND THE LIKE. THOMAS C. DONAHUE, Pittsburgh, Pa., assignor of one-half to Walter L. Johnson, McKeesport, Pa. Filed Mar. 1, 1923. Serial No. 622,058. 3 Claims. (Cl. 51—69.)



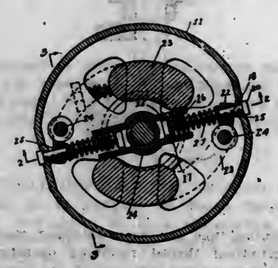
1. In a sharpening machine of the character described, the combination of axially aligned center supports for supporting the tool to be sharpened; manually operated reciprocating sharpening means; a guide rod therefor; adjustable means for securing said sharpening means to said guide-rod; a rest-bar disposed rectangularly to the axis of said center supports having a horizontal and a vertical portion; a horizontally rotatable guide for said guide-rod mounted upon the vertical portion of said rest-bar; a vertically adjustable rest for said rest-bar; a flexible push-blade secured and positioned at the end of the horizontal portion of said rest-bar and means for moving said rest-bar at right angles to the axis of said center supports for imparting to the tool to be sharpened a fractional part of a revolution required for producing the desired relief on the cutting edge of said tool.

1,486,517. TRAFFIC SIGNAL FOR AUTOMOBILES. FREDERICK M. GRIETEN, Baltimore, Md., assignor of one-fourth to Charles T. Anderson, Baltimore, Md. Filed Dec. 14, 1922. Serial No. 606,849. 3 Claims. (Cl. 776—38.)



1. In a device of the class described, a shaft supported for rotation and for longitudinal movement; means for rotating the shaft and for imparting longitudinal movement thereto; a signal mounted for swinging movement; means for coupling the signal to the shaft frictionally, when longitudinal movement is imparted to the shaft; a movable detent coacting with the signal to hold the signal in adjusted positions; a fly wheel journaled on the shaft; a member rotatable on the shaft; means for connecting said member operatively with the detent; and mechanism for connecting the fly wheel to the shaft and to the rotatable member, said mechanism being automatically releasable from the shaft and the fly wheel when the speed of rotation of the fly wheel exceeds that of the shaft.

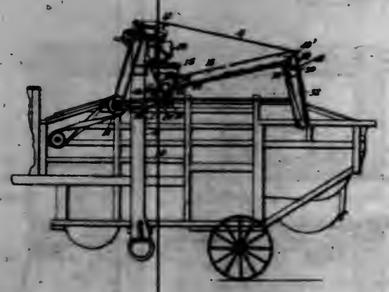
1,486,518. GOVERNOR. ARTHUR J. HARTLEY, Peoria, Ill., assignor to Hart Grain Weigher Co., Peoria, Ill., a Corporation of Illinois. Filed Apr. 7, 1921. Serial No. 459,417. 2 Claims. (Cl. 192—105.)



1. In a device of the class described, a driving shaft, a casing positively connected thereto, weight members pivoted within the casing, rod members slidably related to the inner ends of the weight members and engaging

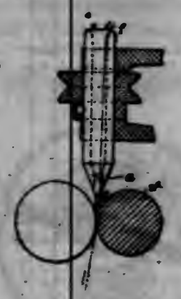
the casing, coil springs surrounding said rods and resisting outward movement of the weights, a driven member loosely mounted on the driving shaft and having a friction hub in connection therewith, a friction band surrounding said hub, and means for relating one of the weights with the friction band whereby movement of the weight will produce a tightening or releasing action of the friction band.

1,486,519. SWINGING CONVEYER. ARTHUR J. HARTLEY, Peoria, Ill., assignor to Hart Grain Weigher Co., Peoria, Ill., a Corporation of Illinois. Filed Feb. 3, 1919. Serial No. 274,762. 6 Claims. (Cl. 198—100.)



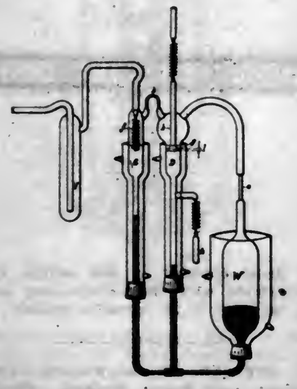
1. In a swinging conveyer, in combination, a conveyer reach, comprising an inclined tubular member provided with a hopper at its receiving end and a head-member at its discharge end, conveyer means in the tubular member, means for driving the conveyer means, means for supporting the tubular member at its receiving end in a pivotal manner means for supporting the outer end of the tubular member including a rod, its outer end connected with the tubular member and its rear end suitably supported and pivotally centered in line with and above the pivot member for the receiving end of the tubular member, a chute swivelly connected to the head-member of the tubular member, and a spout pivotally connected to the chute member.

1,486,520. SPINNING DEVICE. WALTER HENTSCHEL, Chemnitz, Germany, assignor to Sächsische Maschinenfabrik vorm. Rich. Hartmann, Aktiengesellschaft, Chemnitz, Germany. Filed Dec. 9, 1920. Serial No. 429,578. 2 Claims. (Cl. 19—154.)



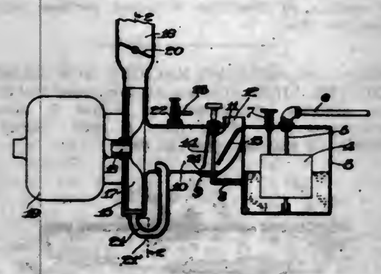
1. A spinning tube for yarn spinning machines having a longitudinal thread receiving opening and provided with means at one terminal of the opening responsive to rotation of the tube to produce an air current directed from the entering point toward the exit point of the thread whereby to automatically draw the thread through the tube.

1,486,521. METHOD OF SEPARATING GASES FROM A MIXTURE THEREOF. GUSTAV LUDWIG HERTZ, Eindhoven, Netherlands, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Apr. 17, 1923. Serial No. 632,798. 10 Claims. (Cl. 183—115.)



1. A method of separating the components of a gas-mixture by diffusion consisting in allowing a gas-mixture to diffuse into a gaseous fluid flowing with a predetermined velocity and in removing at least one of the components of the mixture diffused in said streaming gaseous fluid together with part of the latter from places where the concentration of said components to be collected is relatively high with regard to the concentration of the other components.

1,486,522. CARBURETOR. WALTER A. INMAN, Waukegan, Ill. Filed Aug. 26, 1920. Serial No. 406,175. 3 Claims. (Cl. 265—79.)



2. In a carburetor, the combination of a fan casing, a power-driven centrifugal fan in said casing, the casing having a central inlet passage conducting air and fuel to the fan and a tangential discharge passage, and a by-pass conduit connecting the outer portion of the fan casing with the inlet passage, whereby unmixed fuel will be returned from the fan casing to the inlet passage by an air current from the fan.

1,486,523. OIL-WELL APPARATUS. FRANCIS B. JACKSON, Tulsa, Okla. Filed June 30, 1922. Serial No. 571,856. 4 Claims. (Cl. 103—10.)

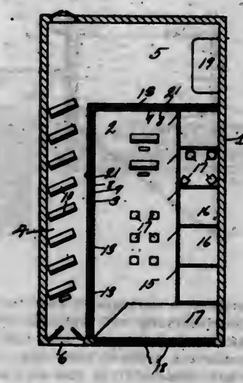
1. A device of the kind described, comprising a casing section adapted for closely fitting within a well, tubing extending through said section and having a gas tight

connection with said section, said tubing including a portion constituting a pump barrel and having a valve seat



immediately below the pump barrel section and having lateral perforations and a standing valve adapted to seat in said valve casing and close said openings.

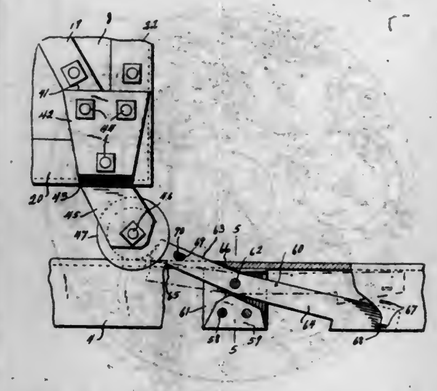
1,486,524. STORE ARRANGEMENT. BENJAMIN HIRAM JEFFERSON, Niles, Mich. Filed July 16, 1923. Serial No. 651,743. 5 Claims. (Cl. 20—1.)



1. The combination with a store, the interior of which is normally one room, of means whereby said store may be converted into a main display portion with a passage leading from the front of the store to a room at the rear of the store.

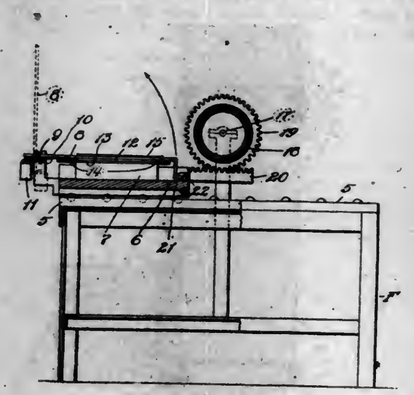
1,486,525. CAR-DOOR HANGER AND DOOR. MERRELL E. JONES, Prescott, Ariz., assignor of one-half to William P. Hassett, Ashfork, Ariz. Filed Feb. 2, 1922. Serial No. 533,613. 4 Claims. (Cl. 16—87.)

1. In combination with a car door mounting including tracks located above and below a door opening and further including a door carrying rollers traveling along the tracks, latching means comprising an elongated latch bar pivoted intermediate its ends within the lower track and having one end projectable through an elongated slot in the track, the other end being weighted whereby the latch bar will normally gravitate into operative position



with its active end extending in the path of travel of the rollers, said latch bar extending longitudinally of and being enclosed within the track.

1,486,526. METHOD OF AND APPARATUS FOR PRODUCING TAX RECORDS AND TAX BILLS. JOHN J. LANE, St. Louis, Mo. Filed Mar. 28, 1923. Serial No. 628,337. 4 Claims. (Cl. 101—281.)

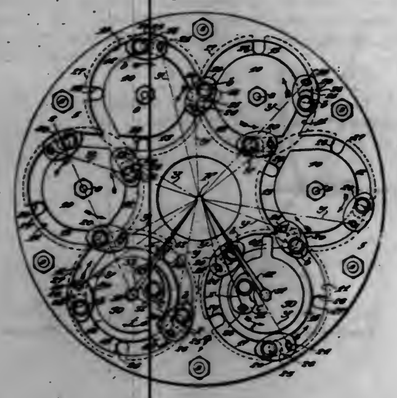


1. The method of producing tax-records and tax-bills comprising the assembling to type arranged to imprint a tax-record page; then printing a tax-record page therefrom; then printing individual tax-bills from portions of said type.

1,486,527. BRAIDING MACHINE. MICHAEL J. LARKIN, Pawtucket, R. I., assignor to Rhode Island Textile Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed Aug. 21, 1922. Serial No. 583,107. 10 Claims. (Cl. 96—8.)

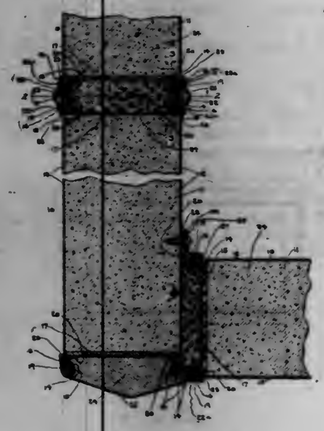
1. In a braiding machine, the combination with a plurality of bobbins, of means to move the bobbins in opposite directions in sinuous courses to cause them to intermesh the strands delivering therefrom, a supplemental bobbin mounted to revolve about an axis located between

the opposite courses of movement of the main bobbins, and means to revolve said supplemental-bobbin about said



axis during the passage of a main bobbin whereby to intermesh the extra strand therefrom with the other strands of the fabric.

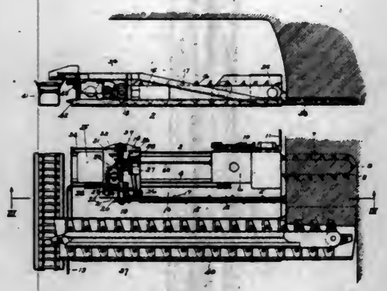
1,486,528. OVEN. GEORGE R. LAWRENCE, Chicago, Ill. Filed Feb. 3, 1922. Serial No. 533,860. 15 Claims. (Cl. 72—16.)



1. A section or unit for a wall of an oven comprising a casing, non-heat-conducting material between the sides of the casing and perforated tie plates transversely uniting said sides at edges thereof.

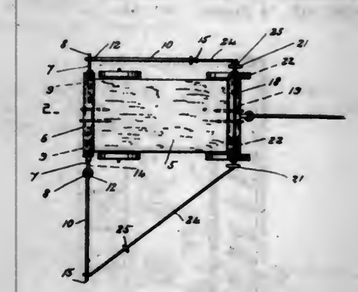
1,486,529. MECHANISM FOR MINING COAL. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffery Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 31, 1921, Serial No. 457,363. Renewed Aug. 6, 1923. 7 Claims. (Cl. 262—9.)

1. In a mechanism for breaking coal out of the solid, the combination with a main frame adapted to horizontal movement along the face of the vein, cutting mechanism attached to said main frame and adapted to form a horizontal kerf at the base of the vein, means to bodily move said main frame to cause said cutting mechanism to engage the coal to cut it, cutting mechanism mounted upon said main frame and movable relative thereto, means to



move said movable cutting mechanism relative to the main frame to form a vertical kerf in the coal above said horizontal kerf, and means carried by said movable cutting mechanism into said vertical kerf to exert pressure transversely thereof to dislodge the coal adjacent thereto.

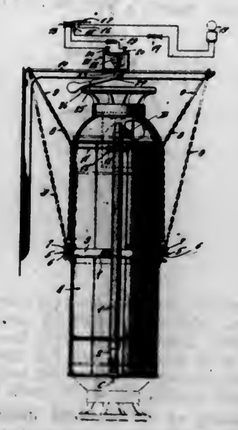
1,486,530. LAND MARKER. THOMAS PATRICK LONG, Harmon, Ill. Filed Aug. 7, 1922. Serial No. 580,164. 1 Claim. (Cl. 97—230.)



In a land marker, a carriage, a rear tube secured to the carriage, longitudinally and circumferentially adjustable stub shafts mounted in the rear tube and having downwardly projecting arms at their ends, marker arms pivoted to the said arms, a front tube also secured to the carriage, a rod circumferentially adjustable in the front tube and provided with upwardly projecting arms at its ends having guide eyes at their ends, and a flexible connection slidable in the said guide eyes and having its ends secured to the marker arms.

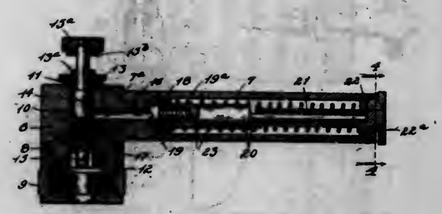
1,486,531. FIRE EXTINGUISHER. GEORGE P. MCDONNELL, St. Louis, Mo. Filed Oct. 1, 1919. Serial No. 327,647. 2 Claims. (Cl. 169—27.)

1. An automatic fire extinguisher comprising a chemical-mixing receptacle, a plurality of flexible suspension means secured to said receptacle whereby said receptacle is tiltably supported, a fusible means encircling said flexible suspension means above the center of gravity of said receptacle and retaining portions of said flexible means against the body of said receptacle, said flexible suspension means diverging upwardly from said receptacle above the encircling fusible means, and a support to which the divergent flexible means is secured, whereby



said receptacle is permitted to drop relatively to said support and be inverted when said fusible means is broken.

1,486,532. PNEUMATIC-TIRE PRESSURE GAUGE. MICHAEL J. MCANENY, Denver, Colo. Filed Oct. 18, 1922. Serial No. 595,335. 4 Claims. (Cl. 73—111.)

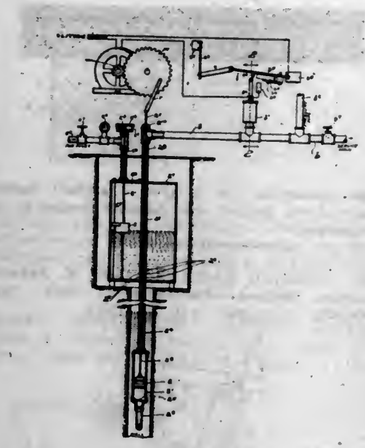


1. A device for ascertaining the amount of air-pressure in a pneumatic tire, comprising a hollow cylinder having a nozzle on its forward end and a closure on its rear end, there being a passage extending through the nozzle, a plunger in said passage provided with means for sealing the outer end of the passage by depressing the plunger, there being an air-passage connecting said plunger-containing passage with the cylinder and an air-passage in the nozzle connecting with each other said two first-named passages, a piston having a stem in said cylinder and spring-pressed to normally seat the piston against the adjacent end of the air-passage thereto, and a scale-bar in the cylinder, operatively engaged by said stem to move said bar to expose to view the pressure-indication thereon by air-pressure against the spring-resisted piston.

1,486,533. WATER-SUPPLY SYSTEM. GLENN MUFFLY, Cleveland Heights, Ohio. Filed June 22, 1922. Serial No. 570,069. 3 Claims. (Cl. 103—25.)

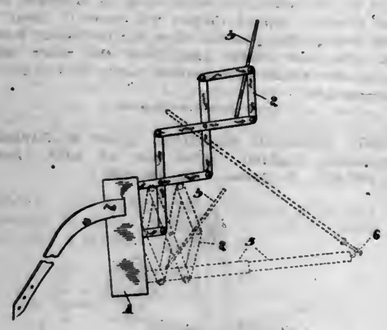
1. A water supply system comprising in combination an air-tight storage tank, a pump cylinder, a piston within said cylinder, pump valves for said cylinder and

piston respectively, a pipe connecting said pump cylinder with said tank, a rod passing through said pipe and con-



necting with said piston for the purpose of actuating same, a water outlet near the bottom of said tank, and a water delivery pipe connected with said outlet.

1,486,534. CARRIER FOR MIRRORS AND THE LIKE. NEIL D. MUNN, Dresden, Ontario, Canada. Filed Dec. 16, 1922. Serial No. 607,432. 6 Claims. (Cl. 45—97.)



1. In a support for mirrors and the like, the combination of a casing; an extensible member connected at one end to said casing; a mirror supported adjacent the other end of the member, said member, when retracted, adapted to be received with said mirror in the casing; and a post detachably supported on said base, said post being formed of a plurality of detachable sections adapted to be received in the casing.

1,486,535. HEAT-INSULATING PLASTER BOARD. TREADWAY B. MUNROE, Forest Glen, Md. Filed Apr. 21, 1923. Serial No. 633,764. 6 Claims. (Cl. 72—124.)

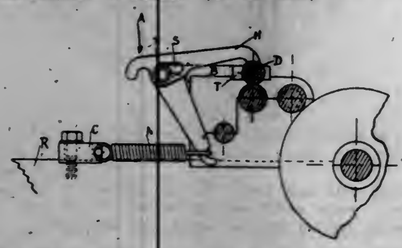
1. A heat insulating wall board composed of a heat insulating fibrous bagasse supporting member adapted to

bond with asphalt and pitch like materials, but not adapted to satisfactorily bond with cement and con-



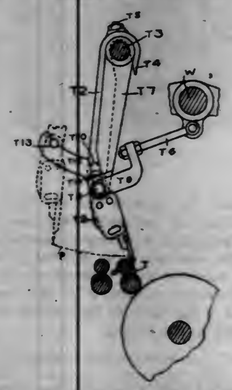
crete like substances, and a layer of asphalt material mixed with finely divided rock material bonded to said bagasse member.

1,486,536. COMBING MACHINE. JOHN W. NASMITH, Manchester, England. Filed Mar. 21, 1923. Serial No. 626,659. 2 Claims. (Cl. 19—120.)



1. Apparatus for applying pressure to the top rollers of textile machines, said apparatus comprising a lever operating in a fulcrum pin on the machine framing and bodily movable in relation to said fulcrum pin, and tensioning means applied to one extremity of the lever to apply pressure at the other extremity thereof around the fulcrum to the roller, the lever being so arranged that manual pressure applied thereto will move it about its fulcrum and in that position allow the tensioning means to pull the lever bodily away from the roller being weighted, the whole lever moving bodily in relation to its fulcrum pin.

1,486,537. COMBING MACHINE. JOHN W. NASMITH, Manchester, England. Filed Mar. 21, 1923. Serial No. 626,661. 5 Claims. (Cl. 19—120.)



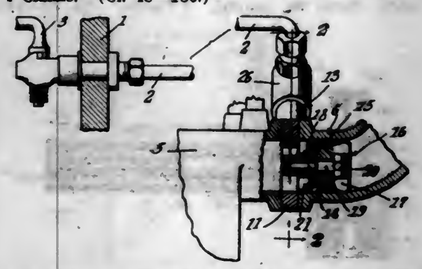
2. In a combing machine, a top comb resting on an independent centre, means for rocking the said comb, means for lifting and drawing the comb forward clear of the detaching rollers, and a support on which the comb may rest when so drawn forward.

1,486,538. PRUNING IMPLEMENT. BENJAMIN F. NIGHTLINGER, Washington, D. C. Filed Mar. 2, 1922. Serial No. 540,593. 5 Claims. (Cl. 30—11.)



4. In a device of the character described, a cutter member having a flat side or face, a blade movable over and upon the flat side or face of the cutting member, said blade having a convex cutting edge, and an extension at the outer end of said blade having an edge adapted to be disposed at an acute angle with respect to the associated cutting edge of the blade.

1,486,539. MIXING DEVICE. JAMES K. NORVELL, Wartrace, Tenn. Filed Aug. 24, 1923. Serial No. 659,137. 4 Claims. (Cl. 48—180.)



1. A device of the class described comprising a mixer for insertion between the carbureter and intake manifold of an internal combustion engine, said mixer having grooves and orifices arranged to intersect each other one to supply fuel and the other air and spiral blades on said mixer to impart a whirling motion to the mixture delivered by the mixer.

1,486,540. AUTO SAFETY DEVICE. SADAMA ORIOKA, Honolulu, Territory of Hawaii. Filed Oct. 5, 1923. Serial No. 666,782. 2 Claims. (Cl. 293—26.)



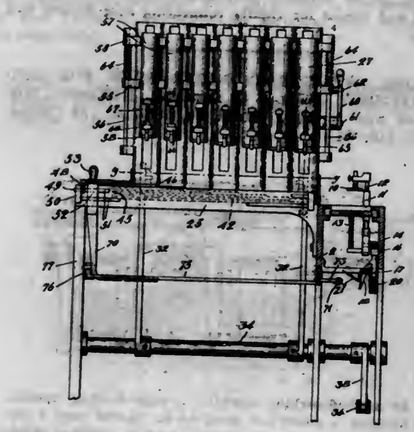
1. The combination with an automobile including a chassis having longitudinally extending side beams provided with guide ways, of a safety appliance therefor including a frame slidably and resiliently mounted in said guide ways, a fender pivotally secured to the forward end of the slideable and resiliently mounted frame, and a hand lever for raising and lowering the fender.

1,486,541. SECTIONAL WALL. HANS OTTOSSON-ELIOT, Stockholm, and MANNE JÖNSSON, Islinge, Lidingo, Sweden, assignors to Aktiebolaget Industribostader, Stockholm, Sweden, a Corporation. Filed Aug. 6, 1921. Serial No. 490,422. 4 Claims. (Cl. 20—4.)



1. A wall section for house building comprising a frame coated with boards, the edges of the frame extending entirely around and beyond the coating, thus providing marginal spacings and fillets adapted to be applied in the spacings when the wall sections are assembled the surface of said fillets being substantially flush with the coating substantially as set forth.

1,486,542. HEEL-LIFT CEMENTING AND ASSEMBLING MACHINE. ERVIN L. PAGE, Georgetown, Mass., assignor to Page Machine Co., Inc., Haverhill, Mass., a Corporation of Massachusetts. Filed Dec. 7, 1914, Serial No. 875,844. Renewed July 20, 1923. 58 Claims. (Cl. 12—50.)



1. In a heel-making machine, a series of superimposed lift-assembling plates, each plate having a lift-receiving recess in its front end, and a lift supporting face in the rear thereof, so arranged that a lift supported on the face of one plate will be held in the recess of the next above it, and said plates being forwardly movable to bring the recesses of the different plates into approximate register.

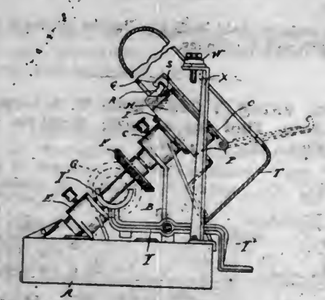
1,486,543. SULKY-PLOW ATTACHMENT. BENJIMAN PORATH and JAMES W. MCMILLAN, Buffalo, Wyo. Filed Jan. 30, 1923. Serial No. 615,895. 2 Claims. (Cl. 97—82.)

1. An attachment for converting a sulky plow into a gang plow, comprising a beam carrying a share at its rear end, a bracket beam connected to the forward end of said beam and attached to the corresponding end of the sulky plow beam, a bracket connected to the rear end



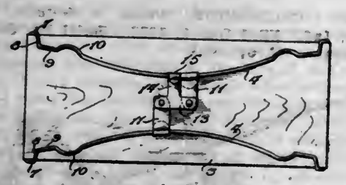
of the sulky plow beam and having a laterally offset rearward extension, and means for attaching the first-mentioned beam intermediate its ends to said extension.

1,486,544. CENTRIFUGAL CASTING APPARATUS. JOHN A. RATHBONE, Detroit, Mich. Filed Feb. 27, 1922. Serial No. 539,415. 12 Claims. (Cl. 22—65.)



1. An apparatus for centrifugally forming castings, comprising a revoluble annular mold having hollow walls, a hollow shaft on which said mold is mounted, and means for introducing a cooling fluid into said hollow mold through said hollow shaft and for forcing the heated fluid and vapor axially outward through said shaft by centrifugal action.

1,486,545. LID FASTENER. WILLIAM E. REEDER, Hot Springs, S. Dak. Filed Feb. 21, 1923. Serial No. 620,405. 4 Claims. (Cl. 217—56.)

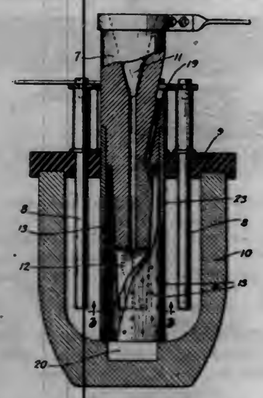


1. A lid fastener for boxes comprising arms adapted to extend over the lid, bridging members connecting the arms, and adapted to engage fixed portions of a box, and means disposed between and connecting the arms whereby to draw the same together over the lid.

1,486,546. ELECTROLYTIC SEPARATION. BRODDE E. F. RHODIN, Atlantic City, N. J. Filed May 26, 1922. Serial No. 563,763. 11 Claims. (Cl. 204—19.)

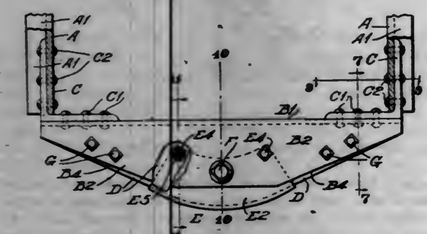
1. In electrolytic separation, an electrolytic cell having electrodes of different polarity separated by a parti-

tion of insulating material constructed with electrolytic passages therethrough, each inclined upwardly at its



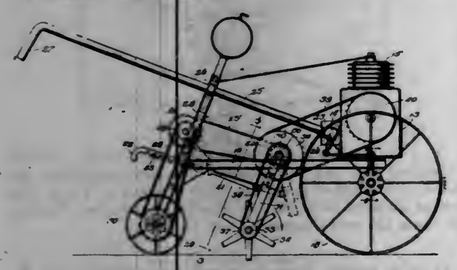
opposite ends to hold back the lighter products released at the different electrodes.

1,486,547. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Aug. 31, 1923. Serial No. 660,416. 35 Claims. (Cl. 105—364.)



3. A composite end sill for railway-cars, said sill comprising a plate metal channel member formed to present an upright back face and to present upper and lower horizontal flanges directed away from the car frame, and a filling member located between and reaching outward beyond said flanges, substantially as described.

1,486,548. CULTIVATOR. PETER N. SCHRUM, Hammond, Ind. Filed Dec. 8, 1922. Serial No. 605,605. 8 Claims. (Cl. 97—40.)



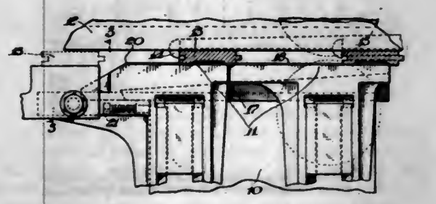
1. A cultivator, including a main frame, supporting wheels carried by the main frame, a motor mounted on the main frame, a counter-shaft mounted on the main frame, a depending tool frame rotatably mounted on the counter-shaft, a shaft rotatably mounted in the depending tool frame, cultivator tools mounted on said last-mentioned shaft, and means for driving said shaft from said motor.

1,486,549. PIPE JOINT. JOHANN SCHUETTE, Zeesen-Konigs Wusterhausen, near Berlin, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y., a Corporation of Maryland. Filed Feb. 20, 1922. Serial No. 537,667. 15 Claims. (Cl. 287—129.)



5. A pipe joint comprising divided or segmental sleeves each secured to the adjacent ends of the sections of a pipe, flanges projecting from each of said segmental sleeves, plates between said flanges and spacing them apart and means for rigidly connecting said flanges and plates.

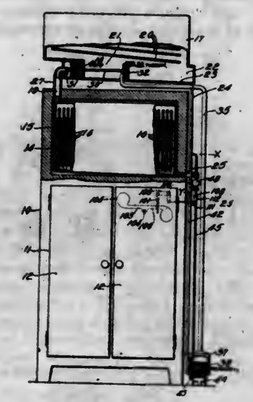
1,486,550. STATIONARY KNIFE EDGE FOR END MATCHERS. WILLIS S. SHERMAN, Milwaukee, Wis. Filed Apr. 1, 1919. Serial No. 286,715. 14 Claims. (Cl. 144—91.)



1. In a woodworking machine, a work-feeding passageway forming a guide for work as it travels past a cutting tool, comprising a fixed guide surface, yielding means pressing the work against the fixed guide surface, and an opposing stationary scoring guide spaced from the guide surface a distance less than the thickness of the work to score the work.

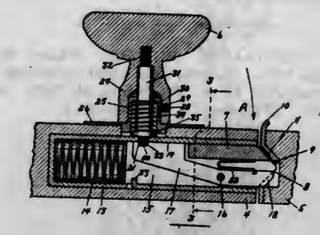
1,486,551. REFRIGERATING APPARATUS. CHARLES G. SMITH, Cambridge, Mass., assignor, by mesne assignments, of one-half to Laurence K. Marshall, Somerville, Mass. Filed Jan. 8, 1918. Serial No. 210,841. 9 Claims. (Cl. 62—4.)

9. Refrigerating apparatus including an evaporator for a cooling liquid of given density, a boiler for a liquid of greater density than said cooling liquid, means for supplying heat to said boiler, a condenser, means whereby vapor from the denser liquid propels the vapor of the cooling liquid into said condenser, said last means discharging the vapor of the denser liquid into said condenser, a discharge conduit from said condenser to said boiler, said conduit having an upright portion in which the denser liquid collects at the bottom with the cooling liquid thereabove, an outlet for the cooling liquid above the level of the denser liquid, said conduit including a reservoir in series between the condenser and boiler,



a pair of elastic coils in said conduit connected respectively to the upper and lower portions of said reservoir for supporting said reservoir in vertically movable relation to said boiler, and means responsive to variations in the level of said reservoir with variations in the pressure of said boiler to automatically vary the heat supplied to said boiler.

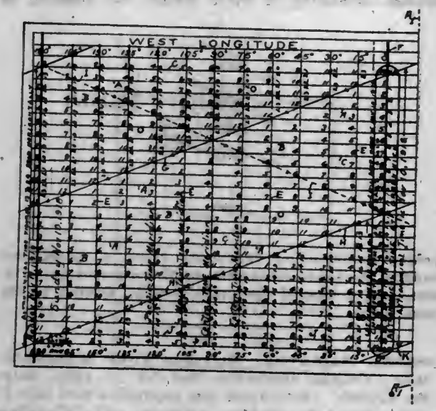
1,486,552. LATCH. FRANK M. SWANSON, Minneapolis, Minn. Filed Nov. 25, 1922. Serial No. 603,180. 6 Claims. (Cl. 292—150.)



4. In a device of the character described, a cylinder, a bolt slidably mounted therein, a bolt releasing member mounted in the bolt, a hand engaging member mounted near the cylinder and adapted to move toward and away from the same, said member having means normally engaging said bolt releasing member when in proximity to said cylinder.

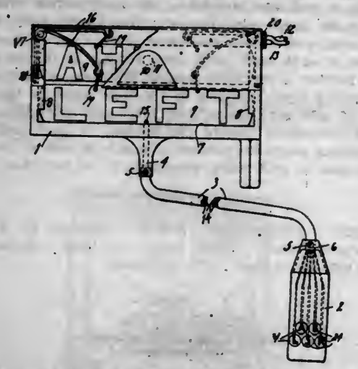
1,486,553. SIMPLIFIED TIME CHART. CHARLES MITCHELL THOMAS, Wytheville, Va. Filed Feb. 28, 1922. Serial No. 539,850. 1 Claim. (Cl. 283—1.)

A simplified time chart, of horizontal lines forming spaces representing the twenty-four hours of a day, a vertical sero dividing line separating chronometer and astronomical time and having meridional lines increasing to the right and left therefrom, diagonal lines intersecting said horizontal and vertical lines consisting of a middle midnight line and two noon path lines on each side thereof, of noon lines horizontally disposed at the top and



bottom of the chart, and designating numbers readable vertically and horizontally at the intersection of the said vertical and horizontal lines.

1,486,554. AUTOMOBILE SIGNAL. FRED WARREN WELLS, Jr., Springfield, Mass., assignor of one-half to William F. Sorenson, Springfield, Mass. Filed Oct. 5, 1922. Serial No. 592,480. 2 Claims. (Cl. 116—44.)



1. The combination, in an automobile signal, with a perforated casing having approximately vertical passages in the ends thereof, a plate arranged to slide up and down in said casing, transverse pins at the ends of said casing adjacent to said passages, and springs coiled around said pins and extending therefrom in one direction into said passages and in the other direction inwardly, said plates being supported from the inner terminals of said springs, and normally retained thereby out of registry with the perforation in said casing, of means to actuate said plate, against the resiliency of said springs, into registry with said perforation.

1,486,555. AIR-SUPPLY DEVICE FOR USE WITH CARBURETORS. ADOLPH WIKFELD, North Bergen, N. J. Filed June 28, 1923. Serial No. 648,352. 1 Claim. (Cl. 48—180.)

A device for use in connection with a carburetor, comprising a housing having a bore, and a surrounding groove formed upon its inner portion and in communication with the atmosphere and constituting an air supply chamber,

a sleeve valve slidable within the bore of the housing and serving to cover and uncover the air supply chamber, said sleeve valve being provided upon its rear end with tapered openings decreasing in width toward the direction of



opening movement of the sleeve valve, a spring surrounding the sleeve valve and opposing its opening movement, and a tapered apertured element secured to the sleeve valve.

1,486,556. RADIATOR. MEINHARD WITTE, Minneapolis, Minn. Original application filed Oct. 11, 1920, Serial No. 416,083. Divided and this application filed May 8, 1922. Serial No. 559,354. 2 Claims. (Cl. 257—125.)



1. In a radiator structure, the combination with an upper tank and a plurality of tubes having their upper ends terminated approximately at the bottom of the front portion of said tank, said tank having at its back and lower portion a centrally located inlet, and a circulation distributing plate attached at its upper edge to the back plate of said tank above said inlet and extending from thence downward toward the bottom of said tank and terminating above the bottom of said tank and at the rear of the ends of said tubes, substantially as described.

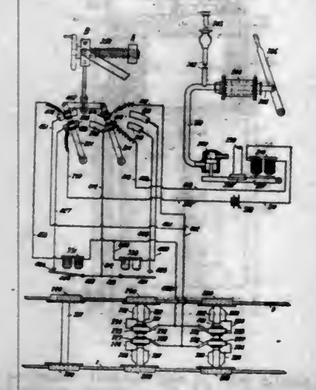
1,486,557. TIRE-CHAIN HOOK. JOSEPH D. YOUNG, Newport, Wash. Filed Sept. 11, 1923. Serial No. 662,127. 3 Claims. (Cl. 24—68.)



1. The combination with the end links of a chain, of a one piece connecting member between said links attached at one end to one of said links for swinging movement and having intermediate its ends an inwardly directed notch extending obliquely to the longitudinal axis of the member in which the other link is adapted to detachably seat, the member also having a notch formed therein for receiving the opposite end of the link from which is seated in said obliquely extending notch.

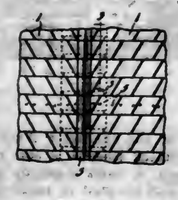
1,486,558. CONTROL OF RAILWAY TRAINS. ARTHUR REGINALD ANGUS, London, England. Original application filed Sept. 5, 1918, Serial No. 252,779. Divided and this application filed Mar. 25, 1922. Serial No. 546,795. 9 Claims. (Cl. 246—4.)

1. Train-controlling apparatus comprising on the track switching means adapted to be given different positions according to the directions in which a train is to be allowed to run, means adapted to cause the passage, from running rails on one side of the track to running rails on the opposite side through opposite train wheels and their conductively connecting axles, of electricity of two different frequencies in correspondence with said different positions of said switching means respectively, and on a train an electro-responsive device whose movable portion is adapted to occupy a line-clear or a danger position according to the condition as to energization of said electro-responsive device, a direction-corresponding part adapted to occupy different positions in accordance with opposite directions of running of said train, a receiving portion adapted to have produced in it by the passage of electricity as afore-



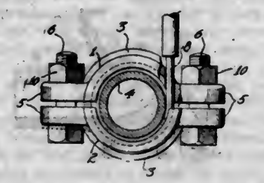
said through said axles variations of electric potential corresponding to the frequencies of the electricity so passing, and co-operating means adapted to co-operate with said direction-corresponding part to enable the occurrence of said variations of potential in said receiving portion to cause a condition as to energization of said electro-responsive means corresponding to the line-clear position of said movable portion but only in the case of correspondence between the frequency of the variations of potential in said receiving portion and the position of said direction-corresponding part.

1,486,559. ROOF-VALLEY SHINGLE. FRANK BASEL, Minneapolis, Minn., assignor of one-half to Patrick Halloran, Minneapolis, Minn. Filed June 14, 1922. Serial No. 568,167. 2 Claims. (Cl. 108—24.)



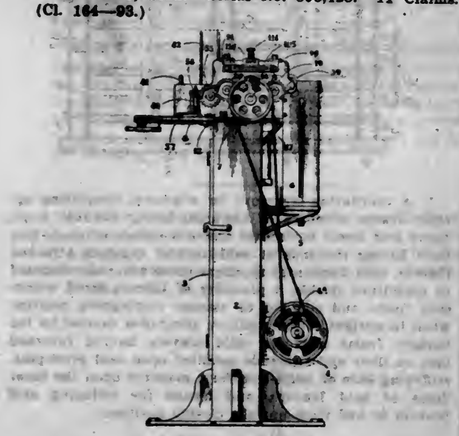
1. The combination with a roof valley structure comprising a gutter of sheet metal extending longitudinally of said valley, a series of overlapped shingles extending along each side of said gutter and superposed thereon, of a series of overlapped members bent along a longitudinal center line and having diverging top edges, which members are inserted under and in contact with the edge portions of the shingles adjacent each side of said gutter and are superposed in overlapping relation on said gutter whereby a renewed gutter is formed by said overlapping members without removing the shingles or the first mentioned gutter.

1,486,560. GROUNDING CLAMP FOR ELECTRIC WIRES. ROBERT A. BECKER, Poughkeepsie, N. Y. Filed June 22, 1921. Serial No. 479,612. 2 Claims. (Cl. 173—273.)



2. A grounding clamp including coacting members each comprising a body-portion; extensions disposed on each body-portion for the reception of securing means; and securing means including a clamping instrumentality operably associable with the extensions and adapted to draw the members together into engagement with the object to which they are to be secured; each of the co-acting members being provided with an inturned flange arranged at opposite sides thereof to constitute, with its coacting member, a housing for a portion of a grounding wire, said flanges also constituting a stop to limit outward movement of a portion of a grounding wire when said wire is coiled around an object between the coacting members, one of said members being provided with an opening for the insertion of the grounding wire.

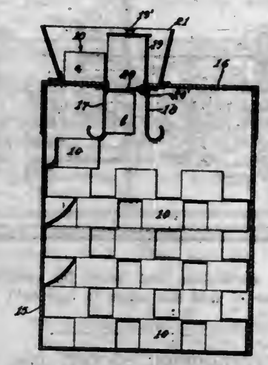
1,486,561. SELF-FEEDING GANG PUNCHING MACHINE. FERNAND BÉLISLE, Ottawa, Ontario, Canada. Filed Oct. 9, 1922. Serial No. 593,428. 11 Claims. (Cl. 164—93.)



1. In a perforating machine of the class described, a card holder, means for feeding the cards forward one by one in position to be perforated, a perforator comprising a die-plate, a plurality of punches mounted to move vertically in a punch holding plate positioned over said die-plate, means over said punch plate to arrest the vertical movement of the punches selected to perforate the card, means to arrest the travel of the card while being perforated and means to lead the card to a stacking receptacle.

1,486,562. DISPENSING APPARATUS FOR CONFECTIONS. CHARLES B. BEMIS, Athol, Mass. Filed Apr. 19, 1922. Serial No. 555,590. 6 Claims. (Cl. 221—8.)

2. In combination, a chain of pockets adapted to receive ice cream bars, a container for receiving said chain of pockets, a seat through which the pockets may be passed to the outside of the container, said seat comprising a wall depending into the container, a compartment slidable

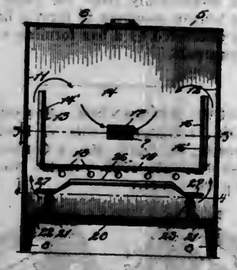


along said wall, and an upwardly swinging trap door in the bottom of said compartment, said door adapted to support one of said pockets.

1,486,563. COMPOSITION OF MATTER FOR USE AS A LUBRICANT FOR VEHICLE SPRINGS. PETER H. BERGEN, Goessel, Kans. Filed Dec. 27, 1920. Serial No. 433,400. 1 Claim. (Cl. 87—9.)

A composition of matter for use on vehicle springs and the like, including heavy mineral cup grease, two parts, whiting one part and a perfume.

1,486,564. RANGE. WILLIAM A. BUSIEK, Belleville, Ill. Filed Oct. 16, 1922. Serial No. 594,770. 3 Claims. (Cl. 126—39.)

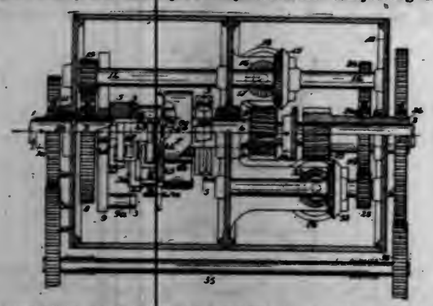


1. In a range, an oven, said oven positioned in said range so as to form flues in said range, a source of heat positioned beneath said oven, baffle extensions positioned on said source of heat so as to deflect heated air from the source of heat into the flues formed by the oven and the range, and separately underneath said baffle extensions underneath said oven.

1,486,565. VARIABLE-SPEED GEARING. WILLIAM THOMAS CARLING, Guildford, England. Filed Mar. 9, 1923. Serial No. 623,928. 10 Claims. (Cl. 74—34.)

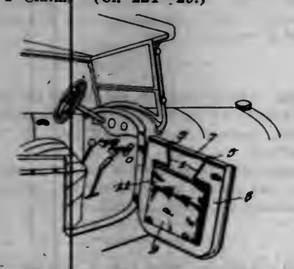
1. A variable speed gearing, comprising driving and driven shafts, alternative means for transmitting power between said driving and driven shafts, an epicyclic gear mechanism forming part of one of said alternative transmitting means, said epicyclic gear mechanism including

two co-axial sun gears and planetary members connecting said sun gears, said planetary members comprising an



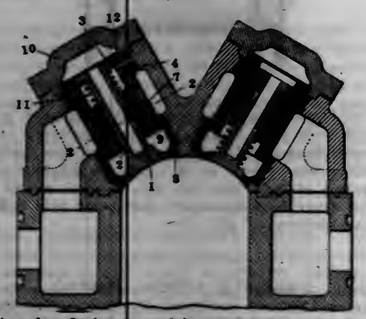
irreversible mechanism, and means for applying driving power to one of said sun gears to lock said irreversible mechanism.

1,486,566. AUTOMOBILE POCKET. CARL F. CRECELIUS, Falmouth, Ky. Filed Feb. 21, 1923. Serial No. 620,545. 1 Claim. (Cl. 224—29.)



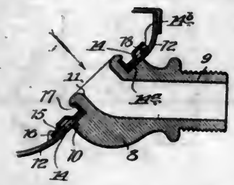
A bag supporting member comprising a horizontal bar having its ends bent inwardly and extending upwardly from the inner ends of the bent-in members and bent outwardly and downwardly from the plane of the horizontal bar and bent-in members to form a hook, the hook members being connected by a bar forming a continuation of the hook terminals.

1,486,567. VALVE MECHANISM. EDWARD F. DEACON, St. Louis, Mo., assignor to Gus V. Brecht Butchers' Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed July 25, 1922. Serial No. 577,438. 3 Claims. (Cl. 251—144.)



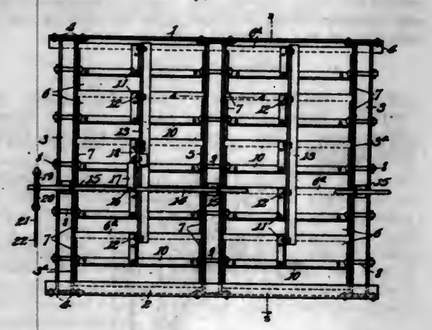
1. A valve device comprising a valve having its stem provided with an integral abutment, a one piece valve cage, a multipart sleeve therein forming a bearing for the valve stem, and a pin passing through the cage wall and through recesses in the sleeve parts to hold said parts in position.

1,486,568. ELECTRIC-LAMP SUPPORT. LOUIS H. DEBS, Chicago, Ill., assignor of one-half to Albert Cohn, Chicago, Ill. Filed May 3, 1922. Serial No. 558,191. 5 Claims. (Cl. 240—78.)



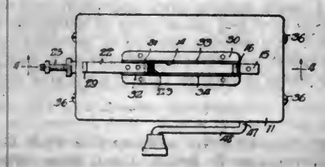
1. An electric-lamp fixture comprising, in combination, a vertical standard, a cup-shaped member carried by said standard and having an angular wall, an incandescent electric-lamp carrying nipple, and means for connecting said nipple to the wall of said cup-shaped member in simultaneous rotary and vertically adjustable relation thereto.

1,486,569. METALLIC VENTILATING SHUTTER FOR WINDOWS. GEORGE DINIACO, Steubenville, Ohio. Filed Apr. 3, 1922. Serial No. 549,016. 4 Claims. (Cl. 189—62.)



1. A ventilating structure for windows, comprising upright frame members of inwardly-facing channel form, upper and lower horizontal frame members of angle-iron form having the ends of said upright members attached thereto, said horizontal members being reversely disposed to constitute shields, a plurality of louvers fitted within said frame and adapted to assume overlapping relation when in upright closed position, pivot-pins carried by the upright frame members, said louvers having inturned lugs on their opposite ends mounted upon said pivot-pins, stiffening bars of angle-iron form mounted upon the inner faces of said louvers, and means for swinging said louvers to and from upright closing position.

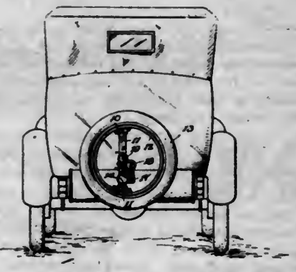
1,486,570. SHARPENING DEVICE. BENJAMIN FINE and DANIEL FINE, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,505. 4 Claims. (Cl. 120—94.)



4. In a sharpening machine of the class described, the combination of a housing having a longitudinal slot in its top for the insertion of chalk to be sharpened, guide rods extending longitudinally in said housing, a carriage

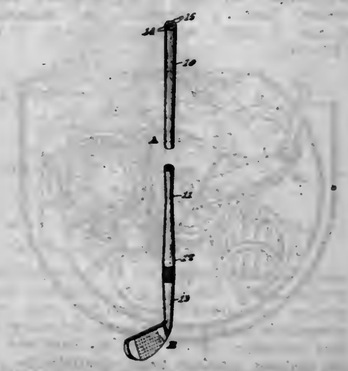
on said guide rods, crank mechanism for reciprocating said carriage on said rods below said slot, knife structures on said carriage having vertical blades extending towards each other with opposed edges cut on the bias in conformity with the shape of the chalk to be sharpened, springs behind one of said frames for forcing it towards the other frame whereby the inserted chalk will be clamped and sharpened during reciprocation of the carriage, a stationary abutment for said chalk extending through one end of the slot, a movable abutment at the other end of said slot extending downwardly therethrough and a spring behind said movable abutment tending to force it towards the stationary abutment whereby the chalk will be held against longitudinal displacement, said blades being sharpened to shave the chalk when the carriage is moving towards the stationary abutment.

1,486,571. TRAFFIC SIGNAL FOR MOTOR VEHICLES. HOWARD J. FISHER, Crestline, Ohio. Filed Apr. 13, 1923. Serial No. 631,876. 3 Claims. (Cl. 116—45.)



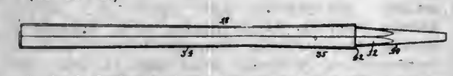
1. In a traffic signal, the combination of a circular tire carrier, clamps secured upon the inner circumference of the tire carrier, a bar extending between said clamps and having longitudinal slots at its ends, securing bolts inserted through said slots and the clamps, a swingingly mounted semaphore blade carried by the bar, and means for swinging said blade.

1,486,572. GOLF-CLUB SHAFT. WILLIAM R. FORSYTH, Swampscott, Mass., assignor to Cross Rod and Tackle Company, Lynn, Mass., a Corporation of Massachusetts. Filed Mar. 21, 1921. Serial No. 454,034. 15 Claims. (Cl. 46—4.)



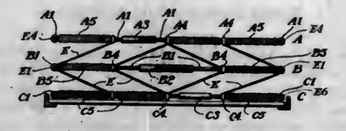
1. A golf club shaft having a plurality of longitudinally extended sections or members of bamboo cane firmly secured together and arranged with the hard layer of the cane forming the exterior surface of the shaft.

1,486,573. SHAFT FOR GOLF CLUBS AND METHOD OF MAKING THE SAME. WILLIAM R. FORSYTH, Swampscott, Mass., assignor to Cross Rod and Tackle Company, Lynn, Mass., a Corporation of Massachusetts. Filed June 8, 1923. Serial No. 644,154. 9 Claims. (Cl. 46—4.)



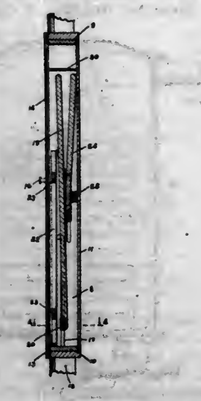
1. A shaft for golf clubs having a plurality of members of bamboo or like cane firmly secured together and each comprising an outer strip of cane of substantially uniform thickness throughout its length and an inner strip of cane having its pith layer reduced in thickness between its ends.

1,486,574. SPRING STRUCTURE. ORRIN G. FRANKS, Chautauqua, N. Y. Filed Mar. 30, 1923. Serial No. 628,902. 20 Claims. (Cl. 5—247.)



1. In a spring structure, the combination with an upper frame and a lower frame, of upright springs having their upper ends joined to the upper frame and having their lower ends joined to the lower frame and said springs being formed to cause sidewise movement between their ends during compression, the springs at each side of the upright primary plane of the structure being set to cause the said sidewise movement to be away from said plane, and means located between the upper and lower frames at each side of said plane and joined to the springs, whereby the springs at each side of said plane are held for movement in unison, substantially as described.

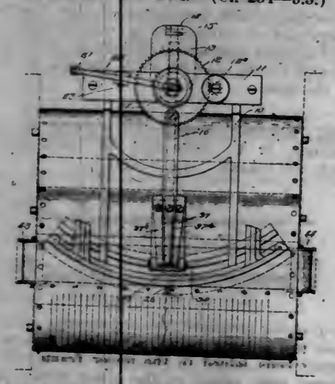
1,486,575. SUPPORTING MEANS FOR IRONING BOARDS. FREDERICK GRAF, Milwaukee, Wis. Filed Sept. 6, 1921. Serial No. 498,840. 2 Claims. (Cl. 68—10.)



1. In combination with a supporting member having opposite side members provided with vertically extending guide grooves terminating at their upper ends with rounded laterally offset and downwardly extending portions to form locking parts, an ironing board having inner end opposite trunnions which extend into said guide grooves, said trunnions automatically entering the locking portions of the grooves when the board is moved endwise in one direction and automatically disengaging said locking portions of the grooves when the board is

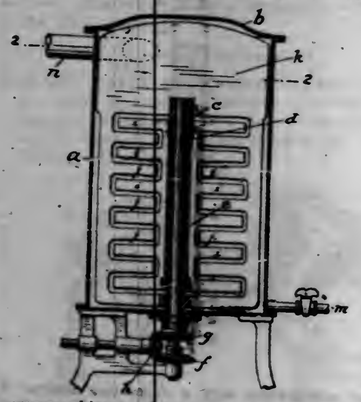
moved in the other direction, a leg member hinged at its lower end to the lower portion of the supporting member and having its upper end hinged to the outer end portion of the ironing board, and an auxiliary means for locking the board in operative position.

1,486,576. RECORDING AND SIGNALING MECHANISM. GUY M. HAFER, Detroit, Mich., assignor to Hoskins Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 14, 1921. Serial No. 500,715. 4 Claims. (Cl. 234—5.5.)



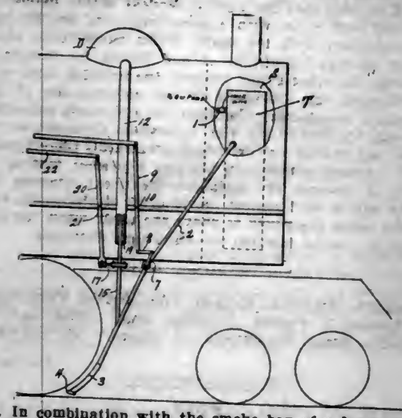
1. In apparatus of the character set forth, an instrument having an oscillating needle and a scale over which said needle swings, a pin carried by said needle, a ledge over which said pin oscillates, a member having a plurality of plungers slidably mounted therein, said plungers overlying the path of said pin, means for periodically depressing said member to cause said pin to actuate one of said plungers, and an electric circuit having a switch, which will be closed by said plunger as it is actuated.

1,486,577. PROCESS AND MACHINE FOR WHIPPING CREAM. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed June 6, 1923. Serial No. 643,623. 6 Claims. (Cl. 259—6.)



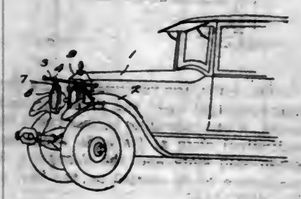
1. A cream whipper adapted to operate upon a continuously flowing stream of cream, comprising a container having an inlet for cream in its lower part and an outlet for whipped cream in its upper part, a whipping contrivance of substantially less height than the container and whose upper end is below said outlet, and a member in the upper part of the container above the whipping zone adapted to facilitate the discharge of whipped cream through said outlet.

1,486,578. LOCOMOTIVE. JOSEPH P. HARNEY, Altoona, Pa. Filed Mar. 8, 1922. Serial No. 542,094. 4 Claims. (Cl. 291—1.)



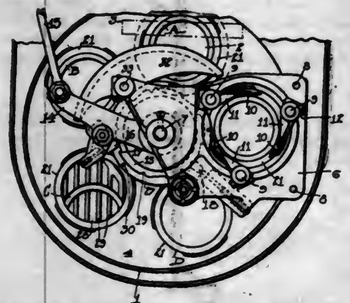
1. In combination with the smoke box of a locomotive and a supporting wheel for the locomotive, means within the smoke box for heating air under pressure, and means for discharging said heated air upon the surface over which the wheel traverses.

1,486,579. SAFETY ROD. THOMAS F. HARROLD, Indianapolis, Ind. Filed Apr. 24, 1923. Serial No. 634,359. 2 Claims. (Cl. 293—55.)



1. In combination, an automobile including a pair of fenders at its forward end, a rod, and means for mounting the rod on the fenders forwardly of the radiator and above the headlights of the automobile.

1,486,580. FEED MECHANISM FOR AUTOMATIC GRINDING MACHINES. JAMES N. HEALD, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1922. Serial No. 550,420. 9 Claims. (Cl. 51—215.)



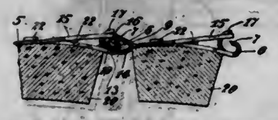
1. In a work feeding mechanism for automatic grinding machines, a magazine comprising a circular series of rigid supports, and an elongated stack confining member adjustably carried by each support for tangential contact with the work.

1,486,581. FISHING FLY. EDWARD R. HEWITT, Midvale, N. J. Filed Jan. 28, 1922. Serial No. 532,511. 4 Claims. (Cl. 43—48.)



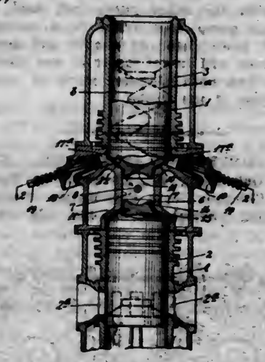
4. A feather wing for a fly having applied thereto a metallic coating of aluminum foil and a waterproof adhesive varnish applied to the feather and interposed between it and the foil.

1,486,582. LINK BELTING. HENRY A. HOUSE, Bridgeport, Conn. Filed Oct. 17, 1922. Serial No. 595,036. 11 Claims. (Cl. 74—64.)



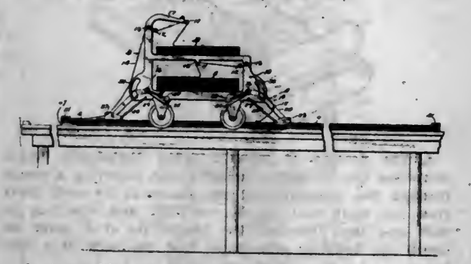
4. A belt connector comprising two rigid sheet metal plates having complementary interlocking means at one of their ends, the coacting interlocked portions of the plates constructed to permit of a relative lateral rocking movement of said plates, releasable means carried by one of said plates, for preventing accidental disconnection of their interlocked ends while permitting of such relative lateral rocking movement, stop lugs projected from one of said plates and opposed to the interlocked end of the other plate to prevent relative longitudinal shifting movement of said plates, and means for securing each of said plates to the body portion of a driving belt.

1,486,583. INTERNAL-COMBUSTION ENGINE. WILLIAM M. HUSKISSON, New Rochelle, N. Y. Filed Jan. 26, 1923. Serial No. 614,957. 3 Claims. (Cl. 123—51.)



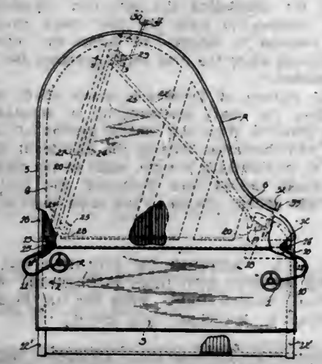
1. The combination, in an internal combustion engine having opposed cylinders; of a separate breech element fitted between said cylinders and having an opening therethrough cylindrical at each end and of a diameter substantially the same as that of the cylinders, said opening being of relatively small diameter towards the center with reference to the ends and having the central portion connected to said ends by frusto-conical portions, said breech being provided with tangentially disposed inlet ports at the junction of one of the frusto-conical portions of the opening in the breech and the adjacent larger cylindrical portion, and pistons moving in said cylinders and shaped to conform to the end portions of the breech whereby to cover said ports when the pistons are in their proximal positions.

1,486,584. CLOTH-LAYING-UP MACHINE. MOSES ISAACS, New York, N. Y. Filed Nov. 20, 1920. Serial No. 425,323. 6 Claims. (Cl. 270—31.)



1. A machine as characterized comprising a portable frame; a plurality of supports for separate supplies of cloth mounted on said frame; a plurality of guide frames for delivering cloth from said supplies to opposite ends of said frame; a plurality of holding members for retaining said cloth at the free end of each layer thereof; and means carried by said machine for alternately removing and temporarily transporting said holding members from the opposite ends of said cloth to return the same to holding position for the ply thereof next to be laid.

1,486,585. MUSICAL INSTRUMENT AND LIGHTING SYSTEM THEREFOR. BENJAMIN H. JEFFERSON and ROBERT H. WAUD, Chicago, Ill., assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois. Refiled for application Serial No. 266,858, filed Dec. 16, 1918. This application filed Mar. 23, 1921. Serial No. 454,748. 2 Claims. (Cl. 240—4.)



1. The combination with a musical instrument comprising a sound box mounted on suitable supports, and having a cover provided with a front hinged section, a sliding shelf under said hinged section, said section and the top portions of the side walls being spaced to provide openings, of a main feed circuit having two branches terminating adjacent the inner forward ends of said side walls, separable connectors forming the terminals of said branches, and mounted on the inner faces of said side walls, lighting devices on said hinged front section and flexible conductors passing through said openings to connect said lighting devices and separable flexible connectors when the section is closed, said conductors being of sufficient length to permit removal of the lighting devices from the instrument without disconnection to permit said section to be raised.

1,486,586. ART OF MAKING CONTAINERS. HARRY W. JONES, Bedford, Va., assignor to The American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 15, 1919, Serial No. 282,849. Renewed Dec. 9, 1922. 6 Claims. (Cl. 93—36.)



1. The process of manufacturing containers, which comprises first providing a body, then inserting a staple through the body, spacing the staple at its ends away from the main body of the container and clinching its ends and then inserting the hinged lip of a cover between the body of said staple and the body of a container.

1,486,587. MEANS FOR AND METHOD OF DROP-FORGING CRANK SHAFTS. HARRY H. KEEPORTS, Detroit, Mich. Filed May 17, 1919. Serial No. 297,848. 8 Claims. (Cl. 29—6.)



1. In a means for forming crank shafts, the combination of a die with impressions comprising recesses in which are projections for forming preliminary vertical bends to form intermediate crank throws, the end projections of which are inclined and disposed at an angle to the axial line thereof to give the initial lateral impulse to the corresponding crank throw, a second impression for completing the operation containing deep vertical recesses to form the end crank throws, and lateral recesses to receive and deflect the intermediate crank throws after the first bend, coacting for the purpose specified.

4. The method of forming a crank shaft consisting in bending the shaft preliminarily in substantially a vertical plane to form the central portion of the crank throws, and thereafter bending the additional end crank throws at substantially a right angle to the plane of the first formed throws and deflecting the first formed throws into oblique planes in the same operation.

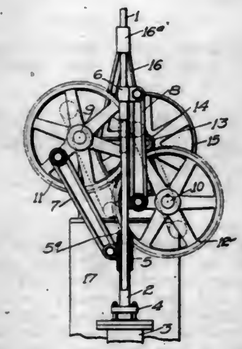
1,486,588. METHOD OF FORGING SIX-THROW CRANK SHAFTS AND DIES THEREFOR. HARRY H. KEEPORTS, Canton, Ohio. Filed Oct. 13, 1922. Serial No. 594,278. 3 Claims. (Cl. 29—6.)



1. The process of forming a six throw crank shaft consisting in, first, deflecting to one side the central portion for the central pair of crank pins and arms, second, forming the first and second and the fifth and sixth crank pins and arms at each end at right angles thereto, with a connecting crank between the first and second and the fifth and sixth pins, and third, subjecting the same to a forging action in which the central crank pins are roughly completed and the end two crank pins and arms are deflected from the right angle plane to an angle of 120 degrees and completely rough formed, as specified.

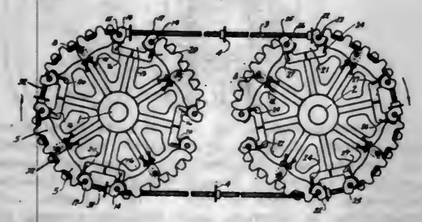
3. A series of dies for forming a crank shaft, one of which is formed with a central depression to deflect the central crank throws, another of which is conformed to produce crank throws at the ends of the shaft at right angles to the first deflected portion, and a final forming die with a vertical central portion to conform the central crank throw and deflected lateral portions to form the end crank throws, as specified.

1,486,589. DOUBLE-ACTING-PUMP POWER HEAD. CHARLES L. KESSLER, San Diego, Calif. Filed Oct. 13, 1919. Serial No. 330,181. 4 Claims. (Cl. 103—200.)



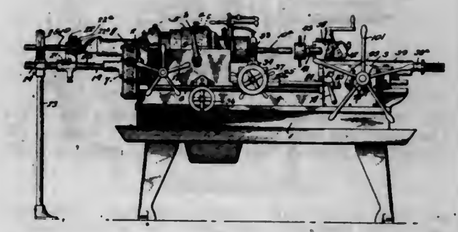
1. A power head for double acting pumps, including a supporting frame work, a pair of pump rods, a pair of intermeshing gears revolubly mounted one above the other on said supporting framework, an equal distance on opposite sides of one of the pump plunger rods, a connecting rod connected with the lower gear and extending upwardly and its upper end engaging one of the pump rods and a connecting rod connecting with the upper gear extending downwardly and its lower end connecting with the other pump rod, said connecting rods and said pump rods lying in a common plane, whereby said power head is simple and compact and the plunger rods will travel faster in one direction than in the other and both plungers move in one direction during a portion of one stroke.

1,486,590. CONVEYING APPARATUS. EUGENE E. LANDAHL, Oak Park, Ill., assignor to Webster Mfg. Company, Chicago, Ill., a Corporation of Ohio. Filed Feb. 23, 1922. Serial No. 538,469. 26 Claims. (Cl. 74—61.)



1. The combination of an endless belt, a wheel on which the belt is supported and devices on said wheel to in effect increase the circumference thereof, by forming successive straight stretches in the belt as it travels around the wheel, said devices being operative to force the straight stretches outward away from the axis of the wheel, without disturbing intermediate successive portions of the belt, thereby to take up slack and tighten the belt thereon.

1,486,591. STAY-BOLT TURNING AND THREADING MACHINE. COLUMBUS K. LASSITER, New York, N. Y.; Annie Frances Lassiter, administratrix of said Columbus K. Lassiter, deceased, assignor to Dale Machinery Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 31, 1921, Serial No. 441,276. Renewed Jan. 11, 1924. 26 Claims. (Cl. 10—87.)



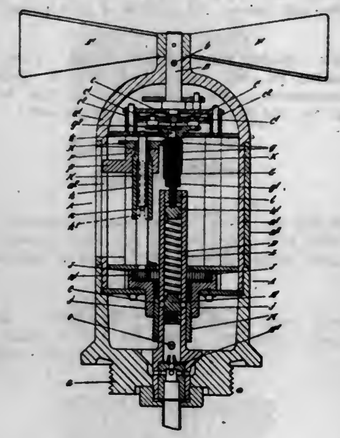
1. In a machine for turning and threading stay bolts, the combination of means for intermittently feeding up a continuous stock rod, successive portions of which are to be turned, threaded and severed from the remainder of the stock to form the bolts, means for rotating the stock rod while holding it from endwise movement during successive turning, threading and severing actions, a carriage having a working travel in one direction along the stock rod while said rod is being rotated and held from longitudinal movement, turning and threading devices mounted on the carriage and adapted to be employed on successive working travels of said carriage for intermediately turning and terminally threading a portion of the stock rod presented for treatment by a working movement of said devices lengthwise of said stock, power means for applying a positive working travel to said carriage, and means for cutting off the formed bolt from the body of the stock.

1,486,592. METHOD FOR PRODUCING HYDROCYANIC ACID. OTTO LIEBKNECHT, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1922. Serial No. 603,122. 7 Claims. (Cl. 23—1.)

1. The process of making hydrocyanic acid, which comprises treating an alkali metal cyanide and metal salts whose bases form unstable cyanides, with water, such quantities of metallic salts being treated that substantially all the water remaining when the reaction is over exists as water of crystallization.

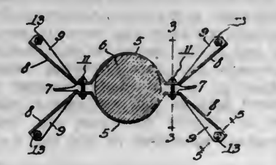
1,486,593. TIME FUSE. OWEN DAVID LUCAS, Bayswater, London, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Jan. 16, 1923. Serial No. 612,934. 11 Claims. (Cl. 102—36.)

8. In a mechanically operated long time fuse, a firing spring, initial fuse operating mechanism, a spring release device, a toothed change speed gear between the initial operating mechanism and the spring release device, which change speed gear comprises a rotatable spindle, a series of toothed rings on the said spindle, the number of teeth on any one of the second and succeeding rings being twice the number on the preceding rings, and a sliding



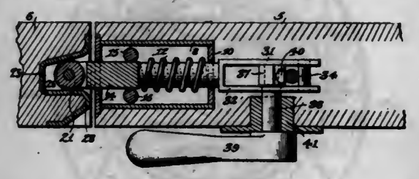
pinion adapted to be slid into gear with any desired ring, and means driven through the said change speed gear whereby the release device is operated.

1,486,594. SUPPORTING DEVICE. ADOLPHUS WILLIAM MALONE, Springdale, Pa., assignor of one-half to Albert H. Vestal, Anderson, Ind. Filed Dec. 14, 1923. Serial No. 680,705. 7 Claims. (Cl. 189—28.)



1. A support consisting of two elements joined together at points intermediate their ends and having an opening therethrough for the reception of the article to be supported, each of said elements being provided with diverging wings and each of said wings having laterally extending bearing portions thereon.

1,486,595. DOOR FASTENER. CLAUD A. MARCUM, Joplin, Mo. Filed Sept. 28, 1921. Serial No. 503,752. 2 Claims. (Cl. 292—169.)



1. In a door lock, a housing, a sliding bolt carried by the housing including a cylindrical body portion, an enlarged extension at one end having plain side faces and a slotted extension at its opposite end, a spring coiled about said cylindrical portion engaging the enlarged portion and one end of the housing for normally urging the bolt outward of the housing, guide rollers carried by the

housing engaging the plain side faces of the enlargement, a rotatable spindle extended through the slotted portion of the bolt, and means carried by the spindle for actuating the bolt against the tension of said spring means.

1,486,596. HANDING-IN MECHANISM. FRED MAUB, Shamokin, Pa., assignor to J. H. & C. K. Eagle, Inc., a Corporation of Pennsylvania. Filed Feb. 10, 1923. Serial No. 618,366. 7 Claims. (Cl. 28—43.)



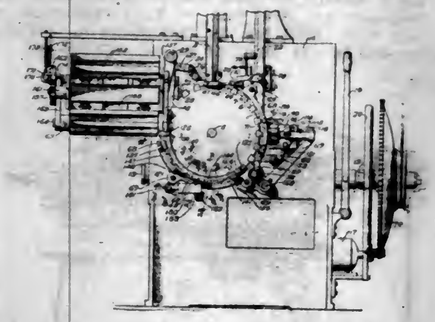
1. Handing-in mechanism for warp threads, comprising a substantially vertical support, a shaft mounted upon the support to move longitudinally thereof, a pedal arranged near the lower end of the support and having an operative connection with the shaft to effect its longitudinal movement, a casing mounted upon the upper end of the support, reciprocating elements mounted within the casing and having means for engaging with bunches of warp threads, rack bars extending longitudinally of the reciprocating elements and connected therewith, a gear arranged between the rack bars to simultaneously shift them in opposite directions, and means whereby the longitudinal movement of the rod serves to turn said gear.

1,486,597. CONVERTER ATTACHMENT FOR DRIVE WHEELS OF AUTOMOTIVE VEHICLES. ROYAL R. MILLER, Chicago, Ill., assignor, by mesne assignments, to Miller Traction Tread Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 18, 1920. Serial No. 431,741. 7 Claims. (Cl. 301—39.)



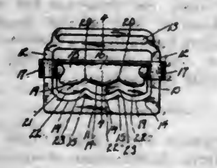
4. In a drive wheel converter, the combination with a flanged plate having driving gear teeth thereon, of brackets resting on the flange and extending beyond the gear teeth, and means rotatably mounted in the brackets and engaged between and over the gear teeth to removably secure said brackets thereto.

1,486,598. CARTONING MACHINE. MICHAEL J. MILMOE, Chicago, Ill. Filed Sept. 20, 1920. Serial No. 411,503. 95 Claims. (Cl. 93—6.)



1. In a cartoning machine, a magazine for containing collapsed cartons, a circular carrier having teeth thereon forming peripheral pockets, means for continuously rotating said carrier to cause the teeth thereon to extract cartons, one at a time, from said magazine and deposit said cartons in said pockets, and means cooperating with said teeth for opening and seating said cartons in said pockets.

1,486,599. SLIDE BUCKLE. ROSWELL A. MOORE, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,734. 1 Claim. (Cl. 24—194.)

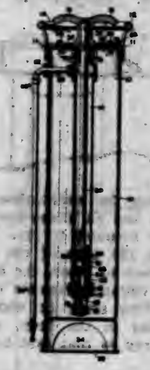


As a new article of manufacture, a slide-buckle having a substantially rectangular, flat, sheet-metal buckle-frame formed with a webbing-opening, with side-bars and with a lower bar, the upper edge of which is formed with a plurality of scallops and points, and a slide formed at its ends with mounting-fingers loosely embracing the side-bars of the frame, and forwardly struck up to form a longitudinal rib, the lower edge of which is embossed to conform to the scallops of the lower bar of the frame, and also formed with a depending skirt scalloped to conform to the scalloping of the said bar, and also to the scalloping of the lower edge of the struck-up rib of the slide.

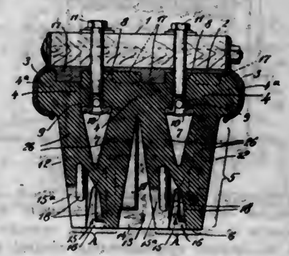
1,486,600. PUMP FIRE EXTINGUISHER. CHARLES NUHRING, Cincinnati, Ohio. Filed Oct. 18, 1921. Serial No. 508,498. 11 Claims. (Cl. 299—97.)

1. In a fire-extinguisher of the class described, the combination with a tank, of a cap therefor provided with a plurality of vent openings leading into the top of the tank, a pumping attachment associated with said cap and

arranged within said tank, means associated with said pumping attachment for closing said vent openings, locking means cooperating with said closing means to hold the latter in closed relation to said vent openings, and a discharge pipe connected to said pumping attachment.



1,486,601. CUSHION TIRE. MAX CYRUS OVERMAN, New York, N. Y. Filed Nov. 20, 1918, Serial No. 263,368. Renewed Mar. 7, 1922. Serial No. 541,868. 20 Claims. (Cl. 152—1.)



1. A cushion tire whose cross section, with the tread downwards, comprises a wheel-engaging upper portion and a lower portion integral with said upper portion composed of a plurality of integral lateral parts whose bottoms constitute the road-engaging tread of the tire, said lateral parts being severally longitudinally hollow, the hollows being contained between substantially straight side walls converging toward the tread of the tire, said lateral parts being separated laterally from each other by a circumferentially extending cleft which reaches upwardly from the tread to the upper part of the aforesaid hollows, each of said lateral parts alone being too unstable to serve as a tire, and cross webs extending at circumferential intervals across the cleft and uniting said lateral parts.

1,486,602. CUSHION TIRE. MAX CYRUS OVERMAN, New York, N. Y. Filed Mar. 11, 1919. Serial No. 282,027. 13 Claims. (Cl. 152—1.)

1. A cushion tire whose cross-section with the tread downwards comprises a wheel-engaging upper portion; and a lower portion whose bottom is the road-engaging tread of the tire,—said tire being hollow by means of a plurality of spaced apart longitudinally extending hollows which are severally substantially V-shaped in cross-section with the top of the V's at said upper portion of the tire and with the bottoms of the V's in said lower portion of the tire directed towards the tread, said lower portion of the tire being divided into lateral parts by a cleft extending up through it from the tread between said V-shaped hollows, said tire, due to said cleft and hollows, having pairs of side-walls, each pair thereof converging steeply towards the tread with one of the hollows contained between them, the outer walls of said pairs being more inclined to the vertical than the inner walls.

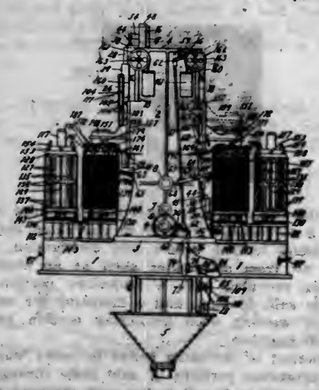


1,486,603. CUSHION TIRE. MAX CYRUS OVERMAN, New York, N. Y. Filed Jan. 18, 1921. Serial No. 438,119. 16 Claims. (Cl. 152—1.)



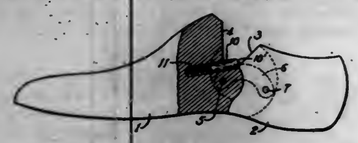
9. A cushion tire comprising a wheel-engaging base portion and a flange-free lower portion formed integrally therewith, said lower portion comprising inner and outer substantially straight space-separated force-resisting and transmitting members united by a tread portion, all of said members converging towards one another in the direction of said tread portion which has a wide ground contact to deliver the thrusts from the tread well under all of said inner and outer members, all of which thicken laterally under load and expand into said spaces without bending collapse.

1,486,604. BROACHING MACHINE. JULIAN L. PERKINS, West Springfield, and JOHN OAKLEY, ROBERT A. WILSON, and HIRAM D. CROFT, Springfield, Mass., assignors to Perkins Appliance Company, Springfield, Mass., a Corporation of Massachusetts. Filed Feb. 13, 1922. Serial No. 536,160. 121 Claims. (Cl. 90—8.)



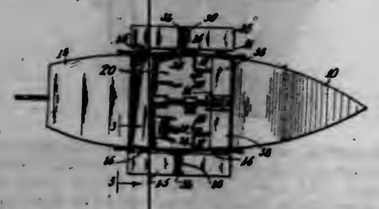
1. In a broaching machine, independent broach elements, means to reciprocate the same, and means to move them alternately into the work plane.

1,486,605. DIVIDED LAST. OTTO A. PETERSON, Stoughton, Mass. Filed July 27, 1922. Serial No. 577,915. 2 Claims. (Cl. 12—136.)



1. In a divided last, a fore part and a heel part having a central knuckle joint comprising a convex member on one part and a concave member on the other part, a spring pressed follower having a rounded head disposed in a longitudinal bore in the convex part adjacent its intersection with the secant face and adapted to project against the opposite secant face of the cut of the other part when the last is in extended position and engageable with the concave of the other part of the knuckle when the last is in collapsed position.

1,486,606. SAFETY PORTABLE BOAT. MARIANO PIMPINELLA, Ambler, Pa. Filed May 21, 1923. Serial No. 640,292. 3 Claims. (Cl. 14—123.)



1. In a boat, a float hinged to the side thereof, means normally holding said float above the water level and means for swinging said float downward to engage the water, said last means comprising a longitudinally expansible thrust bar, consisting of a number of telescopic tubular sections, and means for supplying compressed air to the interior of said thrust bar.

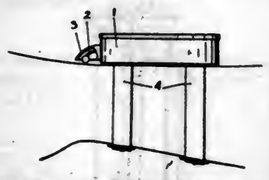
1,486,607. TANK AND METHOD OF MAKING. RUDOLF R. REISSIG, Roosevelt, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Mar. 7, 1923. Serial No. 623,563. 7 Claims. (Cl. 29—148.)



1. A tank comprising an outer shell provided with an opening, a corrugation formed in the outer shell, said opening being formed within said corrugation, a part extended off from said outer shell at an angle, said part being provided with a projecting portion which engages in said opening, and a fastening for said part formed by welding such projecting portion and said outer shell together.

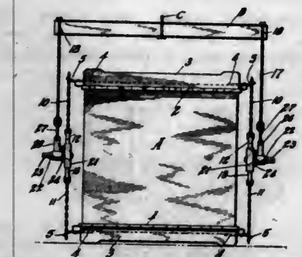
4. A method of fastening baffles in tanks which consists in extending portions of said baffle through openings in the tank wall and fusing such extended portions until a welded joint between the baffle and the tank and closures for said openings are provided.

1,486,608. ALARM DEVICE. LULU S. SCHROEDER, Lansing, Mich. Filed Apr. 29, 1922. Serial No. 557,476. 1 Claim. (Cl. 58—67.)



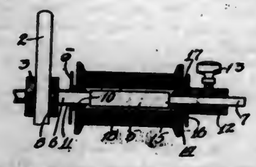
In an alarm device, the combination of a time piece comprising a casing and an alarm mechanism including a vibrating member actuated by the alarm mechanism and projecting from the edge of the casing to engage the body of the person to whom the device is attached, a housing for said vibrating member open on its under side, and an attaching strap on which the casing is mounted for securing to the body, said casing being mounted on said strap so that said housing lies at one edge of the strap.

1,486,609. TURNOVER MECHANISM. LOUIS J. SCHWAB, Peoria, Ill. Filed Dec. 29, 1922. Serial No. 609,716. 9 Claims. (Cl. 214—130.)



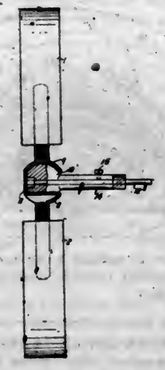
1. In a turn-over mechanism for a stack of sheets, the combination with base-boards between which the stack of sheets is compressed, of an operating means adapted to be located approximately central of a line passing axially through the stack and arranged for pivotal attachment to a supporting means to be supported thereby and the stack of sheets turned thereon, and means to connect the boards and operating means, being adapted to be moved by said operating means to compress and hold the stack of sheets between said base-boards.

1,486,610. SEWING-MACHINE THREAD CONTROLLER. EDWARD N. SIMMONS, Chicago, Ill. Filed May 5, 1923. Serial No. 636,833. 9 Claims. (Cl. 242—134.)



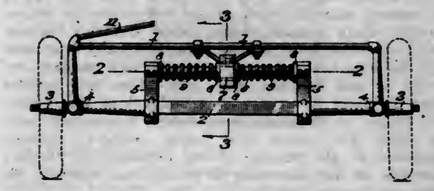
1. A sewing machine thread controller comprising a sleeve, a set screw for holding the same in position on a sewing machine spool spindle, a shaft secured to said sleeve, a bearing member rotatable and slidable on said shaft, a spring on said shaft governing said bearing member, a collar adjustable on said shaft, a set screw for holding said collar in a set position, and a second bearing member rotatably engaged on said collar and adjustable therewith.

1,486,611. BRAKE FOR ROAD VEHICLES. JOHN WALKER STEWART, Crawford, Scotland. Filed Feb. 20, 1923. Serial No. 620,198. 5 Claims. (Cl. 188—78.)



1. In a brake, the combination with a pair of shoes of two screws threaded into ends of the shoes, each screw presenting a cup-shaped head formed as a toothed crown, a ball joint accommodated in the cup-shaped heads, an adjusting rod passing through the ball joint, and a bevel gear on the adjusting rod engageable with each toothed crown.

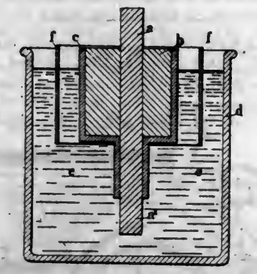
1,486,612. STEERING CONTROLLER AND SHOCK ABSORBER FOR VEHICLES. PERCY STOKES, Philadelphia, Pa. Filed Nov. 19, 1917. Serial No. 202,686. 3 Claims. (Cl. 280—94.)



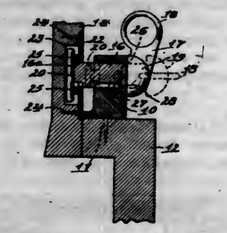
1. In a steering device and shock absorber for a vehicle having a tie rod and axle bar, the combination therewith of an auxiliary bar and stop member and arms carrying said auxiliary bar, said auxiliary bar carrying a resilient member adapted to engage a traveller connectible with said tie-rod, said stop member being adapted to prevent the action of said resilient member against said traveller in more than one direction at a time, said auxiliary bar being formed of separate sections spaced apart and secured together, said stop member and arms being between said sections and connected therewith.

1,486,613. ELECTRIC BATTERY. ERNEST AUGUSTE GEORGE STREET, Levallois-Perret, France, assignor to Société Anonyme le Carbone, Levallois-Perret, France. Filed June 30, 1922. Serial No. 571,940½. 5 Claims. (Cl. 204—38.)

1. An electric battery capable of localizing and concentrating the precipitates or insoluble products formed in the course of its operation and also capable of regenerating its electrolyte comprising a vessel containing an electrolyte, a positive electrode including a conducting porous body, a central conducting carbon stick extending through the porous body and having one of its ends exposed to the atmosphere and its other end located in close proximity to the bottom of said vessel, said porous body having its lower portion extending into said electrolyte, a coating of colloidal material covering the surface of the portion of the porous body immersed in the electrolyte and also covering the portion of the carbon stick extending below the porous body, on a portion of the height of said stick, the lower end of said stick being uncoated and being in electric contact with the electrolyte, and a negative electrode extending into said electrolyte, the whole combined in such a manner that the precipitates and insoluble products formed in the course of the operation of the battery collect on the lower end of the carbon stick.

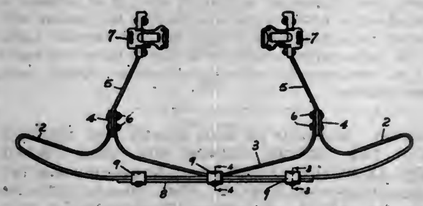


1,486,614. WINDOW FASTENER. HAROLD H. SULLWOLD, St. Paul, Minn. Filed Nov. 26, 1921. Serial No. 517,884. 2 Claims. (Cl. 292—57.)



1. In a window fastener a support adapted to be secured to one sash of a window adjacent to a vertical member of the other sash, said member having a plurality of recesses therein, a bolt slidable and revoluble in said support and having grooves therein, a handle mounted on one end of said bolt, a cross bar arranged on the other end of said bolt to be selectively inserted into said recesses, a plurality of abutment plates mounted over said recesses, each of said plates being formed with a horizontal slot, cam surfaces formed on the longitudinal edges of said slots to be engaged by said cross bar, and a stop extending into the grooves in said bolt whereby turning and sliding movement of said bolt is limited.

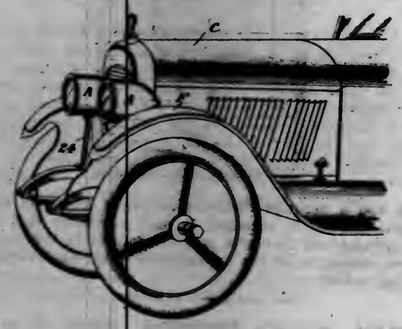
1,486,615. BUMPER. LEO H. TAFFEE, Hastings, Mich., assignor to Hastings Manufacturing Co., Hastings, Mich. Filed June 7, 1923. Serial No. 643,990. 2 Claims. (Cl. 293—55.)



2. A bumper comprising a horizontally disposed main bumper bar, a reinforcing bar superimposed upon said main bumper bar to project substantial distances at

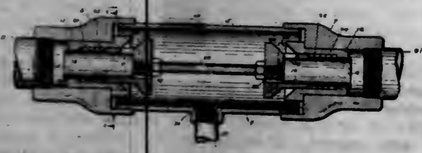
each side of the center thereof, a plurality of upright bumper members, and clips for securing said upright bumper members embracing said main and reinforcing bars, whereby the said upright bumper members are secured in position and said bars connected.

1,486,616. HEADLIGHT. THURMON H. TALLEY, Plainview, Tex. Filed Dec. 26, 1922. Serial No. 609,107. 6 Claims. (Cl. 240—41.)



1. A headlight, comprising a casing, a reflector pivotally supported within a rear end of said casing, a lamp supported within said reflector, a ring carried by the forward end of said reflector, said ring carrying a transparent lens, a plurality of integral fingers extending forwardly from the ring, and a plurality of horizontally disposed reflector plates supported by said fingers.

1,486,617. AUTOMATIC AIR VALVE. ROBERT M. TEEGARDIN, Seattle, Wash. Filed Oct. 5, 1920. Serial No. 414,888. 6 Claims. (Cl. 303—84.)



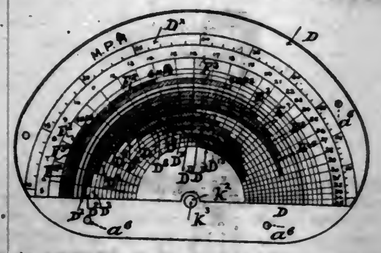
1. An automatic air valve embodying a valve casing, a valve chamber having a port in each end thereof, said ports being disposed to function either as an inlet or outlet port as circumstances may require, a double valve member slidably disposed in said chamber, and means to maintain normally said valve in open position.

1,486,618. MANUFACTURE OF CALCIUM-CARBIDE CAKES. HERMANN THEM, Dinglingen, Baden, Germany, assignor to Carbic Limited, London, England, a British Company. Filed May 8, 1923. Serial No. 637,593. 11 Claims. (Cl. 23—11.)

1. A process for the formation of calcium carbide blocks from granulated carbide by the aid of sulphur in a fused state, which consists in treating the carbide with a small percentage of a soluble metallic chloride stable at the temperature employed in the sulphur treatment and in subsequently coating the treated carbide with fused sulphur.

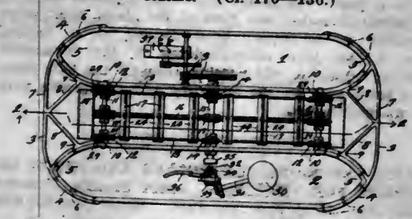
1,486,619. METHOD OF AND MEANS FOR INDICATING THE PROPER PERIOD FOR GEAR CHANGING IN MOTOR VEHICLES. CHARLES GUTHRIE TOLSON, Manchester, England. Filed June 5, 1923. Serial No. 643,558. 6 Claims. (Cl. 235—103.5.)

1. The method of indicating the proper period for gear changing up or down in motor vehicles according to which revolution counters or speed indicators are used combined within or with an instrument and arranged to work two pointers or fingers moving over a dial which is graduated and marked by segments or arcs of different



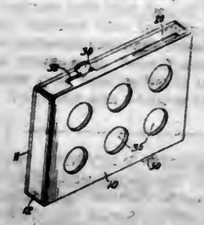
colour in manner to permit a change at sight when the pointers are in proper relative positions on and indicated at sight on the dial.

1,486,620. DIVIDED-HULL VESSEL. CHARLES D. ADAMS, St. Augustine, Fla. Filed Feb. 1, 1922. Serial No. 533,161. 3 Claims. (Cl. 170—136.)



1. The combination with an endless propelling means for vessels, said propelling means comprising an endless sprocket chain extending over spaced sprockets, endless cables extending over flanged pulleys in axial alignment with the sprockets, of transversely disposed paddles connected to said sprocket chain and cables, said paddles being T-shaped in cross section and having their opposite flanges in the same plane and in engagement with the chain and cables, said cables extending through apertures in the flanges of the paddles and through apertures in the main body of the paddles adjacent the inner sides of the flanges.

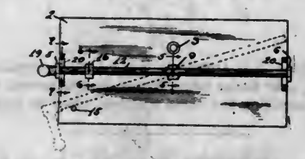
1,486,621. COIN RECEPTACLE. MILTON D. ADLER, New York, N. Y. Filed Apr. 17, 1922. Serial No. 553,890. 3 Claims. (Cl. 133—6.)



1. A coin receptacle comprising side walls and a central partition spaced from said side walls by laterally projecting flanges at its edges extending therefrom in opposite directions at the ends and along a portion of each side, said side walls being provided with complementary flanges extending along a portion of each side and forming, with said partition flanges, slots for the insertion and removal of coins and recesses in which spring pressed stop members are positioned, and spring pressed stop members positioned and enclosed in said recesses and slidable longitudinally therein, said stop members normally projecting at one end partially into

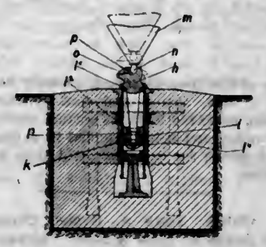
said slots and being provided with means for operating the same from the exterior of the receptacle to selectively slide the projecting end of either of said stop members out of said slot to permit a coin to be inserted or withdrawn from either side of said central partition.

1,486,622. CLAMP FOR LEAD MOLDS. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, a Corporation of Illinois. Filed Nov. 25, 1921. Serial No. 517,447. 3 Claims. (Cl. 22—156.)



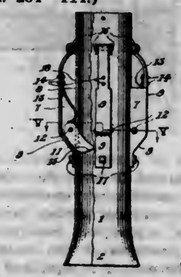
1. A mold, a casting swiveled upon said mold, a bar rotatably mounted in said casting, and stops for limiting the motion of the bar about said swivel and for limiting the motion of the bar about its axis.

1,486,623. ANCHORING MEANS FOR AIRSHIPS. KARL ARNSTEIN, Friedrichshafen-on-the-Bodensee, Germany, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschränkter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Filed Aug. 1, 1922. Serial No. 578,953. 5 Claims. (Cl. 244—2.)



3. Anchoring means for air ships and the like, comprising an air ship, a disembarking door on said air ship substantially adjacent one of its ends, transporting truck means secured to the ship in the vertical plane of said door and supporting said air ship, means rigidly secured to said transporting truck means for pivoting them to the ground, a circular track upon the ground surrounding said pivoting means as a center, and means to support the air ship on said track.

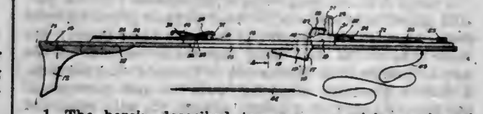
1,486,624. OIL-WELL GRAPPLE. JOHN BAJUS, Canaanville, Ohio. Filed Dec. 28, 1922. Serial No. 609,489. 1 Claim. (Cl. 254—114.)



In an oil well grapple, a tubular casing having an outwardly flaring lower end, suspending means for the casing, said casing having a series of circumferentially arranged longitudinally extending equi-distantly spaced

openings formed therein, a housing member pivotally secured to the outer wall of the casing in proximity to the upper end of each opening adapted to cover the same, said members each having a downwardly inclined lower end wall, a gripping arm pivotally mounted in each member adjacent its lower end adapted to normally rest upon said lower inclined wall, a spring element engaging each gripping arm forcing downwardly thereon, and means for securing the lower ends of the housing members to the casing wall so that said gripping arms will normally extend downwardly into said casing through said openings with their outer ends positioned in proximity to each other.

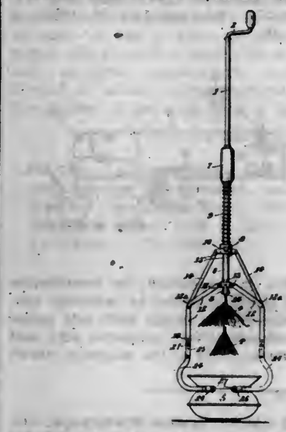
1,486,625. TOY GUN. JOHN BELLOCCHIO, New York, N. Y. Filed May 24, 1923. Serial No. 641,062. 2 Claims. (Cl. 124—14.)



1. The herein described toy gun comprising a barrel portion having a guide way, a follower movable along said guide way, resilient means for urging the follower forward forcibly, the follower including a notched member having a resilient keeper spaced thereover, a fulcrum member having a notch at its forward end, and a trigger means including a member pivoted between its ends upon said fulcrum member, one end of the trigger co-operating with the first mentioned notched member and held in engagement by said keeper, while the rear end of the trigger member is manually operatable for releasing the follower, the notched end of the follower extending into the fulcrum member notch, substantially as set forth.

2. The herein described toy gun including a slotted rib member, a follower movable along said slot, elastic means conected with the follower for driving it forward forcibly when released, said follower including a hammer having a notch in one end and an upwardly projecting guard toward its other end, said guard having a peep hole formed therethrough, and an anvil co-operating with the hammer in front of said guard.

1,486,626. SPITTOON CLEANER. STANISLAW J. BETLEY, Philadelphia, Pa. Filed Oct. 19, 1922. Serial No. 595,575. 4 Claims. (Cl. 15—73.)



1. In a spittoon cleaner, a handle rod, a brush head carried by the inner end thereof, a tubular casing through which the handle rod is slidable and rotatable, sliding and fixed collars mounted on the tubular casing, a hand grip carried by the outer end of the casing, gripping jaws pivotally connected to the fixed collar, link connections be-

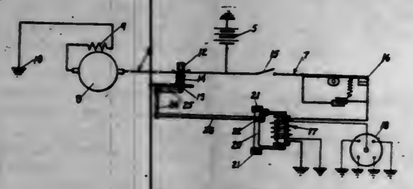
tween the pivoted jaws and the sliding collar, and a spring device associated with the hand grip and sliding collar for holding the jaws in closed position.

1,486,627. CHAIN FASTENER. OLOF BODBEN, Port Wing, Wis. Filed Sept. 15, 1923. Serial No. 662,833. 1 Claim. (Cl. 24—241.)



A chain fastener comprising a plate member having parallel spaced side portions provided at their points between their ends with slots leading in from the edges thereof, the inner ends of the slots being disposed to one side of the median longitudinal dimensions of the said side portions, a shackle pivotally connected with the side portions of the plate member at a point between the said slots and the ends of the side portions of the plate member and between the median longitudinal dimension of the side portions of the plate member and the intermediate portion of the plate member, a locking plate pivotally connected with the side portions of the first mentioned plate member for swinging movement between the side portions thereof and having a slot leading in from one edge and adapted to register with the slots in the side portions of the said plate member, the inner end of the slot in the said locking plate when the said locking plate is in a closed position with relation to the said plate member being disposed approximately in alinement with the median longitudinal dimensions of the side portions of the first mentioned plate member, the slots of the side portions of the plate member and the locking plate having arcuate inner end walls adapted to receive between them a link of the chain and a pin passing transversely through the side portions of the plate member and the locking plate at a point between the slots and the shackle.

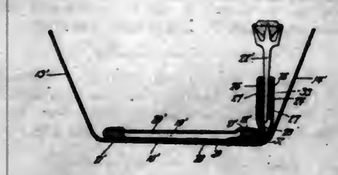
1,486,628. STARTING AND IGNITION SYSTEM. ALVIN E. BUCHENROTH, Toledo, Ohio, assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed May 21, 1919, Serial No. 298,670. Renewed July 26, 1923. 4 Claims. (Cl. 290—38.)



1. In a system of the class described, the combination of a starting motor, a switch therefor, an induction coil, a source of energy connected to supply both said motor and said coil, and means operatively connected with said switch for varying the reluctance of the magnetic circuit of said coil.

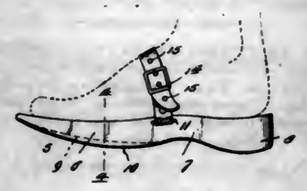
1,486,629. JEWELRY CASE. SAMUEL BUCHSBAUM, Chicago, Ill. Filed Apr. 11, 1921. Serial No. 460,260. 8 Claims. (Cl. 206—6.)

1. A device of the character described comprising a body portion of flexible material provided with a plurality of pairs of flaps, the flaps of each pair being adapted to be folded into overlapping position, means for holding said flaps in overlapped relation, a recessed stiffening member secured to said body portion, and a lining of flexible ma-



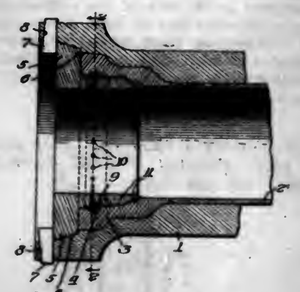
terial covering said stiffening member and extending over said recess, said lining being free over said recess, whereby an article engaging the same will seat itself in said lining.

1,486,630. BATHHOUSE SHOE. GEORGE T. BURNETT, Zeigler, Ill. Filed Apr. 2, 1923. Serial No. 629,297. 1 Claim. (Cl. 36—1.)



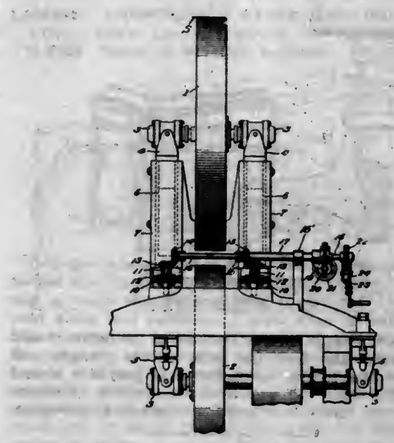
In a shoe of the class described, a single length of wood comprising a sole, instep and heel portion, said sole portion being concaved upon its bottom surface at the toe and ball portion and being rounded in a longitudinal direction, and means for retaining said shoe upon the foot of the wearer.

1,486,631. CORE. JOHN A. BYRNS, Chicago, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1922. Serial No. 577,844. 1 Claim. (Cl. 22—166.)



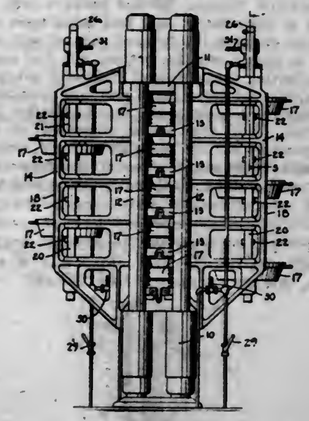
The combination of a tubular metal mold having its internal surface formed to mold the exterior surface of a pipe, a tubular metal core removably secured to the mold and having its exterior surface formed to mold the internal surface of a pipe and having a surface intersecting the mold surfaces of the mold and core and formed to mold the end of a pipe, and a ring of combustible material projecting from the exterior molding surface of the core, the core being formed with a plurality of vents extending from the ring to the bore of the core.

1,486,632. TILT SHAFT FOR BAND MILLS. GEORGE E. CAMPBELL, Chattanooga, Tenn., assignor to The Wheland Company, Chattanooga, Tenn., a Corporation of Tennessee. Filed Mar. 31, 1922. Serial No. 548,351. 6 Claims. (Cl. 143—31.)



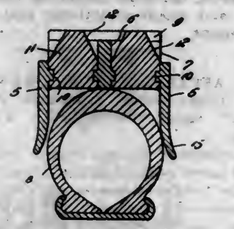
1. Means for tilting a saw-shaft, including movable supports for the opposite ends thereof, horizontal concentric shafts connected with said movable supports, and means for turning one or both of said shafts for raising or lowering said movable supports.

1,486,633. EJECTING APPARATUS FOR PRESSES. FRED S. CARVER, East Orange, N. J. Filed Dec. 22, 1920. Serial No. 432,439. 9 Claims. (Cl. 100—50.)



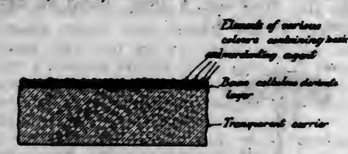
9. In a press, a frame having pot runways, press pots mounted to slide in the runways, each arranged to be moved into an ejecting position with the pots arranged along the same axial line, an ejecting device arranged for up and down movement, said ejecting device comprising a plurality of projections adapted to be simultaneously introduced upwardly into the press pots from beneath, and pressure means on the press frame for raising said ejecting device, whereby said projections operate to eject press cakes from the press pots.

1,486,634. ANTISLIPPING DEVICE FOR VEHICLE WHEELS. WAYNE CASKEY, Walkerville, Mich. Filed Aug. 10, 1923. Serial No. 656,745. 2 Claims. (Cl. 152—14.)



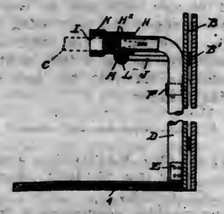
1. An anti-slipping device of the class described comprising a pair of spaced parallel rings, an annular partition disposed midway between said rings, a circular series of uniformly spaced transverse partitions rigidly connecting the rings and the partition at intervals, the rings projecting inwardly beyond the inner edges of said partitions, the partitions projecting outwardly beyond the outer edges of said rings, ribs upon opposed faces of the annular partition and the rings, and cushion tread blocks disposed within the spaces provided between the rings and the partitions and having side grooves in which said ribs are seated, said rings and the annular partition being constructed in arcuate sections detachably and pivotally joined in end to end relation.

1,486,635. MULTICOLOR SCREEN AND METHOD OF PRODUCING THE SAME. JENS HERMAN CHRISTENSEN, Holte, Denmark. Filed May 18, 1921. Serial No. 470,699. 3 Claims. (Cl. 95—81.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of producing multicolor screens consisting in comminuting various liquids each containing at least one dye, at least one mordant, and a substance which will prevent precipitation of the said dyes by the said mordants, causing the coloured elements thus formed to adhere to an underlayer and causing the mordanting of the said dyes to take place.

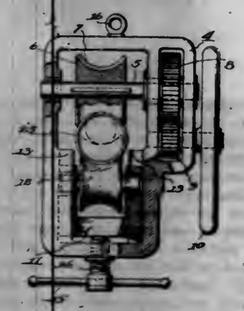
1,486,636. AUTOMOBILE DECKING DEVICE. ALFRED COPONY, Detroit, Mich., assignor to Copony Auto Loading Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 6, 1919. Serial No. 336,209. 11 Claims. (Cl. 105—368.)



8. A motor vehicle decking apparatus, comprising a sleeve for engaging an extremity of a vehicle axle, a supporting brace for said sleeve pivotally connected

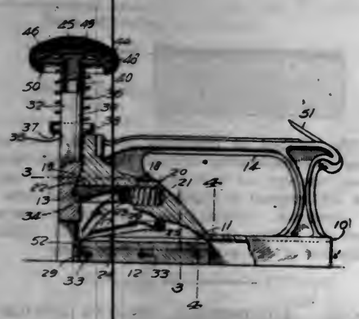
thereto and extending downwardly therefrom, a vertical member abutting against a side wall of a conveyance, engaged by the lower end of said supporting brace and transmitting the stress therefrom to the floor of the conveyance, and means restraining said sleeve against lateral movement.

1,486,637. APPARATUS FOR DRAWING BOILER TUBES. PETER COVAL, Pittsburgh, Pa. Filed May 16, 1923. Serial No. 639,358. 4 Claims. (Cl. 29—88.2.)



1. In a device of the character described, a casing formed with an apertured abutment at one end, relatively adjustable gripping rolls within said casing, a bracket fixed to one side of said casing, gearing mounted in said bracket for rotating said rolls, and exterior means for operating said gearing.

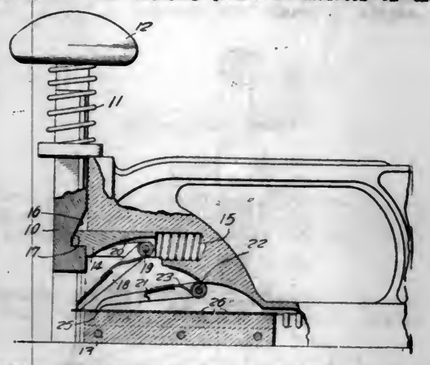
1,486,638. STAPLING MACHINE. JOHN B. CROFOOT, Chicago, Ill. Filed Sept. 8, 1922. Serial No. 587,024. 6 Claims. (Cl. 1—2.3.)



6. A stapling machine comprising a frame, a setting plunger mounted to slide in the frame, a bolt arranged perpendicular to the plunger and mounted to be reciprocated in the frame by the plunger, springs tending to move said plunger and bolt to one limit of their movement, said plunger and bolt being so formed that each limits the movement of the other against the tension of its respective spring, a feed pawl carried by the bolt, and means to maintain the bolt out of limiting action upon the plunger.

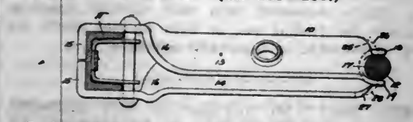
1,486,639. STAPLING MACHINE. JOHN B. CROFOOT, Chicago, Ill. Filed Oct. 27, 1922. Serial No. 597,358. 7 Claims. (Cl. 1—2.3.)

7. A stapling machine comprising a frame, a plunger therein, a staple strip support comprising a knife edge adapted to receive a staple strip composed of a plurality of staple units connected by integral connecting portions and provided with perforations in the backs of the staple units, a spring-pressed bolt reciprocated by the plunger, a bifurcated pawl carried by said bolt having spaced unit engaging points so mounted on the



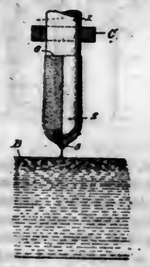
frame as to engage the perforations in the backs of said staple units and feed the same to the plunger, and adapted in its feeding movement to be projected beyond said knife edge, and a detent proportioned to engage between the units and prevent retroactive movement.

1,486,640. RAILWAY BRAKE BEAM. SETH A. CRONE, East Orange, N. J. Filed June 6, 1923. Serial No. 643,626. 10 Claims. (Cl. 188—231.)



5. A brake-beam strut in one integral bar of forged metal folded to form a U-bend at the forward end of the strut and having parallel angularly set spaced apart sides connected together by said forward fold, the forward end of the strut at said fold being inset on a line horizontally crossing the forward ends of said angularly set sides to form a seat for a truss rod, and said end of the strut having arms integral therewith extending forwardly above and below said seat and pointing in reverse directions to deepen the seat and retain the truss rod thereon, said arms being composed of reversely tapered portions slit on inwardly inclined reverse lines from diagonally opposite edges of the forward end of the strut and bent forwardly to lie above and below the truss rod.

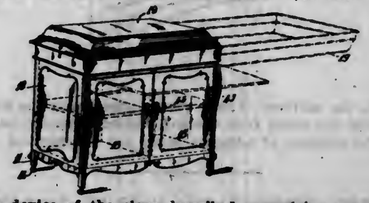
1,486,641. POUCH-MAKING PROCESS. CHARLES H. DASHER, East Orange, N. J. Filed Dec. 2, 1922. Serial No. 604,569. 8 Claims. (Cl. 18—58.)



1. The art of making a viscose article which consists in first depositing on a mandrel a coating of fluid viscose; then predetermining the ultimate length of the finished product by pressing the edge of the fluid back somewhat

with a follower; then producing a flexible tenacious film by effecting a coagulation of the coating while retaining the follower in said position; and subsequently detaching the flexible film from the mandrel.

1,486,642. COMBINATION STOVE AND REFRIGERATOR. LOUIS DOBAY, Benwood, W. Va. Filed July 6, 1923. Serial No. 649,894. 4 Claims. (Cl. 126—37.)



1. A device of the class described comprising a casing divided into upper and lower compartments by a partition, a board slidably supported in the upper compartment above said partition, a stove fixed on said board, leaves extending between the ends of said board and the end walls of the casing and normally covering openings in said partition, and means effecting an operative connection between said board and the said leaves whereby movement of the board in one direction moves a selected leaf to expose the opening under the latter, said means comprising a pair of levers fulcrumed to the casing wall and engaged both with said board and said leaves.

1,486,643. VEHICLE HEADLIGHT. DANIEL C. DOZIER, Norfolk, Va. Filed Nov. 5, 1923. Serial No. 672,899. 4 Claims. (Cl. 240—48.6.)



1. In combination with an electric incandescent lamp, of a shade adapted to be spring fitted around the bulb of the lamp, a segmental opening therein, a multi-colored light emitting medium thereover, and spring means for holding the multi-colored medium over said opening.

1,486,644. DEVICE FOR CONTROLLING THE COOLING AIR, ESPECIALLY FOR THE GONDOLAS OF AIRCRAFT. LUDWIG DÜRR, Friedrichshafen, Germany, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Filed Sept. 27, 1923. Serial No. 665,239. 6 Claims. (Cl. 244—31.)



1. Device for controlling the cooling air, especially for the gondolas of aircraft, comprising a radiator, an opening in the stream-line-shaped front part of the gondola, two curved and two plane walls, connecting the frame of the radiator with the circumference of the said opening, movable covering parts, guided in the plane walls and curved in such a manner, as to give in each position together with the stationary curved walls a satisfying form of nozzle for the air, flowing through the radiator.

1,486,645. SOCKET FOR ELECTRIC LAMPS OR FUSES. ROBERT EBERHARDT, New York, N. Y., assignor of one-fourth to Emil J. Peskar, New York, N. Y. Filed Mar. 30, 1923. Serial No. 628,795. 4 Claims. (Cl. 173—358.)



1. In an electric lamp socket, an expansible bulb holding member, said bulb holding member being in the form of a sleeve formed in two semicylindrical sections, said sections being hinged to swing on a common axis, and a spring urging said sections toward one another, and means accessible from the exterior of the socket for swinging said sections away from one another.

1,486,646. ALCOHOL, ETC., AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J., and MORTIMER J. COHEN, New York, N. Y., assignors, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Apr. 25, 1918. Serial No. 230,079. 29 Claims. (Cl. 260—156.)

1. The process of producing a reactive acid liquor from olefines in relatively low concentrations, such as occur in cracked petroleum and the like, which comprises the step of bringing sulfuric acid of about 1.8 sp. gr. into contact with the olefine containing material gradually, so that substantially less than all of the olefines available will react with the acid at any one time, while agitating and cooling the reaction mixture so that the temperature will be maintained under 30° C., allowing the extract to settle and drawing off the extract.

11. The process of producing alcohols from cracked petroleum which comprises the steps of reacting on the olefines of such petroleum while mixed with the other ingredients thereof with sulfuric acid of less than 1.84 and more than 1.57 sp. gr. under sulfating conditions whereby a sulfated extract of the olefines is formed with a minimum formation of sulfonated bodies, separating the sulfated extract from the residual hydrocarbons and reacting thereon with a hydrolyzing agent.

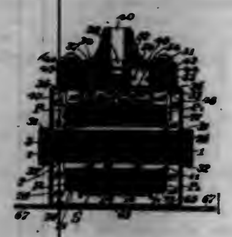
22. A liquid reaction product of sulfuric acid and hydrocarbon material containing olefines and saturated hydrocarbons, a major proportion whereof consists of sulfated derivatives of olefines of over two carbon atoms, which product also comprises a minor proportion of oily polymers and is free from derivatives of ethylene.

1,486,647. PRODUCTION OF ACID EXTRACT AND ALCOHOLS FROM HYDROCARBON GASES. CARLETON ELLIS, Montclair, N. J., and MORTIMER J. COHEN, New York, N. Y.; George Cohen, Adolph Breslauer, and Herman Asher executors of said Mortimer J. Cohen, deceased; said Ellis and the executors of said Cohen, deceased, assignors, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Original application filed Mar. 20, 1917, Serial No. 156,197. Divided and this application filed Apr. 19, 1920. Serial No. 375,083. 9 Claims. (Cl. 260—98.)

2. The process of separating olefine material of over two carbon atoms, in reactive form, from a mixture of saturated and unsaturated gaseous hydrocarbons, which consists in treating such gases with sulfuric acid of reactive strength below that of acid of 1.84 specific gravity, while subjecting the reaction mixture to cooling to a temperature such that unsaturated hydrocarbons having less than three carbon atoms are not absorbed and which produces, in liquid form, sulfated derivatives of the olefines having three or more carbon atoms as a major proportion of the product of reaction of the sulfuric acid on such gases and avoids undue conversion of such olefines into tars and the like.

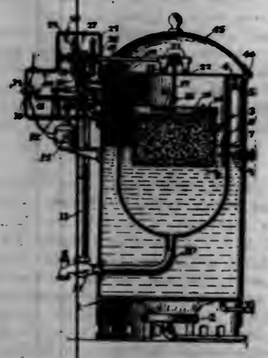
5. As a new article of manufacture, a product consisting of a mixture of monohydric alcohols derived from gaseous olefines of cracked petroleum, said gaseous olefines comprising propylene and olefines higher in the olefine series than propylene, said product comprising secondary alcohols and being free from ethyl alcohol.

1,486,648. INDUCTION COIL. WILLIAM A. EVANS, Fort Washington, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1919. Serial No. 348,603. 29 Claims. (Cl. 175—357.)



1. Ignition apparatus comprising primary and secondary circuits, core structure comprising superposed laminæ each having a yoke portion and a transversely extending tongue, primary coils in said primary circuit spaced from each other on said tongue, a secondary coil in said secondary circuit disposed on said tongue between said primary coils, a source of unidirectional current in said primary circuit, and an interrupter of the closed circuit type in said primary circuit.

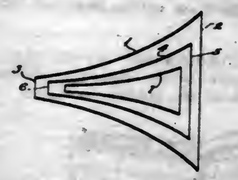
1,486,649. COFFEE PERCOLATOR. HENRY EWBET, Los Angeles, Calif. Filed Jan. 31, 1923. Serial No. 616,050. 10 Claims. (Cl. 53—3).



1. A percolator including a percolating receptacle and a liquid chamber surrounding the same and communicating with said receptacle and arranged for gravity flow of liquid from said chamber to said receptacle.

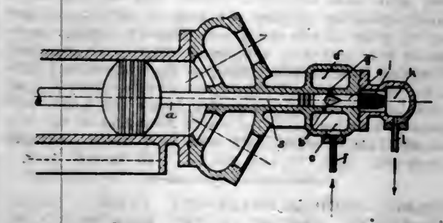
1,486,650. HORN FOR SOUND INSTRUMENTS. ARTHUR L. FOLEY, Bloomington, Ind., assignor to George Fabyan, Riverbank, Ill. Filed Mar. 3, 1923. Serial No. 622,472. 1 Claim. (Cl. 181—27.)

In a sound-conveying device, a plurality of nested spaced horns of successively diminishing length, the shorter being inside and terminating as to both ends of each horn short of the corresponding end of the next outer



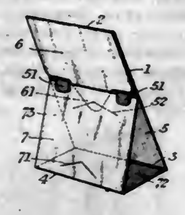
horn, the surfaces of said horns approaching one another toward the small ends thereof, whereby opposed portions of the surfaces of adjacent horns are non-parallel.

1,486,651. REFRIGERATING MACHINE. ERICH FREUNDLICH, Dusseldorf, Germany. Filed May 5, 1921. Serial No. 467,229. 3 Claims. (Cl. 103—9.)



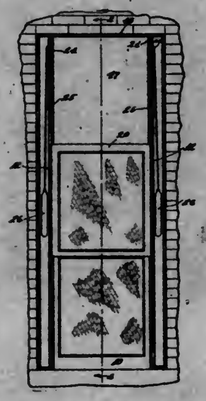
1. In a refrigerating machine in combination, a compressor, a piston and piston rod in said compressor, a liquid feed pump connected with said compressor, an extension of said piston rod projecting into said pump and forming the piston therein, a suction port in said pump disposed near the end of the pressure stroke of said pump piston corresponding to the minimum velocity thereof and a pressure valve closing said pump, the section of said port being reduced in the direction towards said valve.

1,486,652. COMBINED PHOTOGRAPH FOLDER AND EASEL. JOSEPH J. FROELICH, Kaukauna, Wis., assignor to Taprell Loomis & Company, Chicago, Ill. Filed Aug. 6, 1923. Serial No. 655,953. 3 Claims. (Cl. 40—149.)



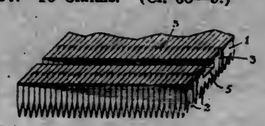
1. A photographic folder and easel comprising a panel having a front photograph-receiving face and flaps joined to opposite edges of said panel by connections bendable through more than 180°, said flaps being of a size to substantially cover said front face when folded thereover, and one of said flaps having a transverse fold, the portion of said flap between said fold and said panel serving as a supporting base and the rest of said flap serving as a brace to support said panel when said flap is folded back and engaged with the rear face of the panel to form a triangular easel therewith, there being means to retain said parts in the form of said easel, said means being invisible at said front face.

1,486,653. WINDOW. STEV GEROUX, Chicago, Ill. Filed Aug. 12, 1922. Serial No. 581,299. 1 Claim. (Cl. 20—52.1.)



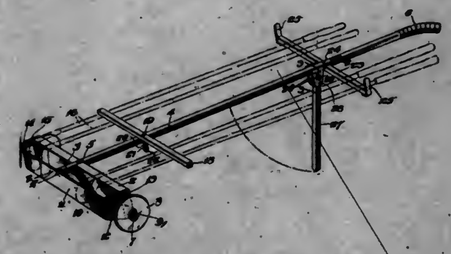
A building wall having a window opening, an upper sash, a lower sash, said wall having a space above said opening into which said sashes may be moved, and an upwardly movable closure between said window opening and said space, said closure spanning the path of travel of the lower sash only, and adapted, when said lower sash is moved into said space, to be lifted by said lower sash to a position removed from the paths of travel of both sashes.

1,486,654. PRESSING DEVICE. BENJAMIN D. GOLDBERG, Brooklyn, N. Y. Filed May 16, 1923. Serial No. 639,257. 16 Claims. (Cl. 68—9.)



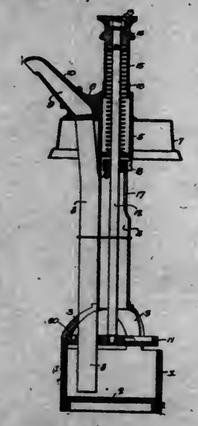
1. A pressing device consisting of thin metal plates each having an edge formed into a series of fine teeth and assembled together as a mass of plates engaged with one another and held firmly in position to present a fabric supporting surface consisting of a multiplicity of compactly arranged metal points.

1,486,655. GOLF-CLUB CARRIER. HARVEY GOURLEY, Cheltenham Township, Montgomery County, Pa. Filed Dec. 9, 1922. Serial No. 605,784. 12 Claims. (Cl. 280—53.)



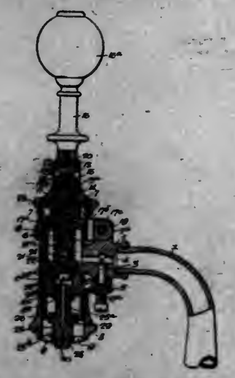
1. A golf club carrier, consisting of a wheeled frame having at front a transversely extending support for the club shafts near their heads, a transverse pocket in front of said support for the reception of the club heads, a rear transverse support for the club shafts near their handles, and a movable locking device carried by said frame for frictionally engaging the club shafts to secure them in fixed position on said frame.

1,486,656. SIRUP PUMP. ROBERT M. GREEN, Jr., Philadelphia, Pa., assignor to Robert M. Green & Sons, Philadelphia, Pa., a Firm consisting of Robert M. Green, jr., Philadelphia, Pa., and Edgar L. Green, Devon, Pa. Filed Dec. 2, 1920. Serial No. 427,739. 3 Claims. (Cl. 225—35.)



3. The combination in a pump for liquid of a cap; a cylinder; a piston therein; a delivery pipe for the cylinder; a member connected to the cylinder and to the cap; a piston rod; a collar adjustably mounted on the rod, arranged to come into contact with the member connected to the cylinder and cap so as to limit the downward movement of the plunger which regulates the amount of fluid discharged from the cylinder.

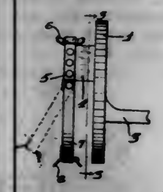
1,486,657. SODA-WATER DRAFT. ROBERT M. GREEN, Jr., Philadelphia, Pa., assignor to Robert M. Green & Sons, Philadelphia, Pa., a Firm composed of Robert M. Green, jr. Filed July 21, 1921. Serial No. 486,457. 1 Claim. (Cl. 225—23.)



In a soda water draft, the combination of a casing, valve means therein for causing the delivery of fine or coarse streams of water, automatic means tending to actuate said valve means to prevent the discharge of water, a handle movable to either of two positions to actuate said valve means, and means for temporarily retaining said handle in a position in which the valve

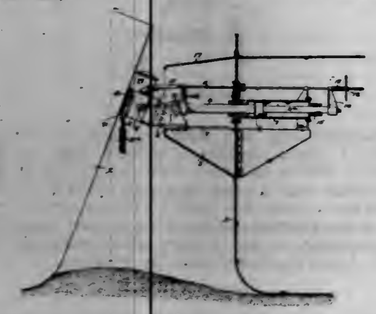
means permits delivery of a coarse stream comprising a spring-pressed plug mounted in said casing independent of the valves and adapted to engage a portion of said handle.

1,486,658. TIRE CARRIER FOR AUTOMOBILES AND THE LIKE. WALTER R. GREEN, Chicago, Ill. Filed Feb. 1, 1922. Serial No. 533,206. 4 Claims. (Cl. 224—29.)



1. The combination with a main tire carrier, of an auxiliary carrier having a pivoted tire carrying portion swingable away from the main carrier, and means for supporting said auxiliary carrier on the main carrier.

1,486,659. ART OF CONNECTING SUBMERGED OBJECTS. WILLIAM J. HAGMAN, Philadelphia, Pa. Filed Mar. 7, 1919. Serial No. 281,257. 36 Claims. (Cl. 61—69.)



18. The combination of a driving spindle; a drill; and a structurally weak element connecting said spindle and said drill.

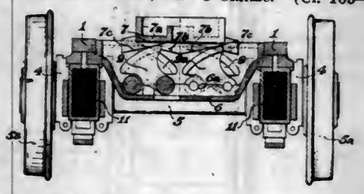
34. The combination in a drilling and bolting machine of a bar having a drill portion and a tap portion; means including a spring, for rotating the bar and feeding it longitudinally; a split yieldable ring positioned to temporarily arrest movement of the bar after it has drilled a hole and designed to yield after said spring has been compressed to a predetermined extent.

1,486,660. AUTOMOBILE. JOHN HAJDU, Mercer, Pa. Filed Feb. 17, 1923. Serial No. 619,550. 3 Claims. (Cl. 280—95.)



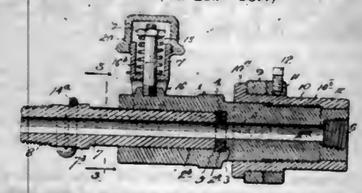
1. In an automobile, wheels, a wheel frame resting thereon, a body longitudinally movable on said frame, steering means applied to certain of said wheels comprising a pair of transverse rods spaced longitudinally one behind the other, the front rod being supported by the wheel frame and the rear rod by the said body, and an operative connection between said rods whereby they are caused to move oppositely in unison, comprising a rock arm pivoted between its ends and engaged at opposite ends with the respective rods, said rock arm being of telescopic construction to permit of relative displacement, longitudinally of the automobile, of the said rods without disengagement of the rock arm therefrom, said rock arm also including two parts hinged together on a horizontal axis to accommodate relative vertical displacement of the said rods.

1,486,661. TRUCK FOR RAILROAD ROLLING STOCK. ROBERT F. HALL, Schenectady, N. Y. Filed Aug. 31, 1923. Serial No. 660,371. 8 Claims. (Cl. 105—187.)



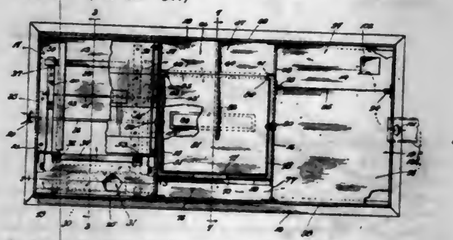
1. In a railroad truck, the combination of a main frame; a bolster, adapted to traverse laterally, relatively thereto; a plurality of bearings, disposed in pairs, the units of which are oppositely inclined, on opposite sides of the longitudinal central plane of the bolster; a swing frame, fixed to the main frame; and a plurality of swinging rockers, each journaled in the swing frame, and having two curved cam faces, each adapted to work against a unit of a pair of bolster bearings.

1,486,662. FLUID COUPLING. CHARLES HAMILTON, New York, N. Y. Filed June 21, 1922. Serial No. 569,898. 9 Claims. (Cl. 285—169.)



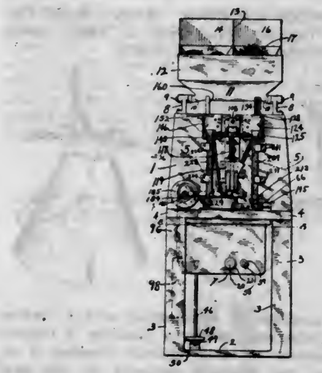
4. A coupling comprising a body having a bore adapted to receive a tubular member having a shoulder, a washer within the bore to co-operate with said member, a bail having means at one end to engage said shoulder, a nut operative upon said body, a ring journaled on the nut, and means movably connecting the bail with said ring.

1,486,663. ANIMAL TRAP. IRAD W. HILLS, Stanley, Wis. Filed Apr. 6, 1923. Serial No. 630,329. 18 Claims. (Cl. 43—67.)



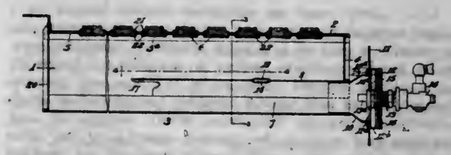
6. An animal trap including a trap body having an entrance chamber and a cage accessible from said chamber, a mirror in the chamber, a picture carrying member shiftable by an animal in said chamber to a position for displaying a frightening picture to be reflected in the mirror for frightening the animal from said chamber to enter the cage, and automatic trapping means interposed between said chamber and the cage.

1,486,664. ASSEMBLING MACHINE FOR INSULATOR KNOBS. JOHN EDGAR HIRES, Langhorne, Pa., assignor to Automatic Machinery and Equipment Company, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed May 12, 1921. Serial No. 469,016. 19 Claims. (Cl. 10—158.)



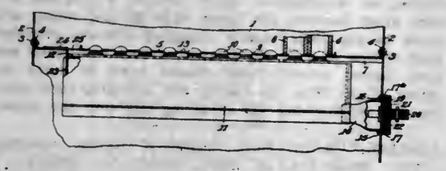
3. A machine adapted to assemble parts of an insulator knob, having two parts with a hole through each, a flexible washer, and a holding member for holding said parts together, said machine comprising, a frame, a main shaft, means for driving said main shaft, a receptacle on said frame, adapted to hold and individually discharge said washers and said members, a washer feeding means, a member feeding means, each adapted to receive respectively, washers and members from said receptacle, means for actuating both of said feeding means simultaneously, a member positioning device, a knob top part compartment, a knob base part compartment, knob part positioning means, adapted to take said knob parts individually from said compartments and bring them in registration with one another, said compartments being so fixed on said frame, to be positioned to feed knob parts to said knob part positioning means, said washer feeding and said member feeding means being adapted to bring a washer and a holding member in line with said registered knob parts, whereby said member feeding means assembles said member with said washer and with said knob parts, means for distorting said member to prevent its withdrawal from said knob parts, means for guiding the assembled knob parts to said distorting means, and gearing synchronously connected with various parts of said machine to cause said machine parts to function co-ordinately in a cycle, whereby said knob parts, said washer and said holding means are assembled.

1,486,665. BURNER FOR RADIANT GAS HEATERS. WILLIAM W. HOLLOWAY, Wheeling, W. Va., and HENRY KIELBERG, Martins Ferry, Ohio, assignors to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed July 26, 1922. Serial No. 577,723. 7 Claims. (Cl. 158—104.)



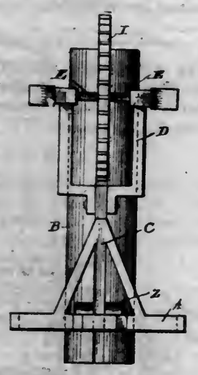
7. A burner for radiant gas heaters, comprising a sheet metal casing having an upper portion of approximately U-shape, inverted, providing a top and depending side walls, a semi-cylindrical bottom attached to said side walls, and a member arranged complementally with respect to said bottom to form an intermediate fuel passage, said side walls and said member having flanges, and said bottom having hook-like lateral edges disposed in clamping relation to said flanges.

1,486,666. BURNER AND RADIANT SUPPORT FOR GAS HEATERS. WILLIAM W. HOLLOWAY, Wheeling, W. Va., and HENRY KIELBERG, Martins Ferry, Ohio, assignors to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed July 26, 1922. Serial No. 577,724. 1 Claim. (Cl. 126—92.)



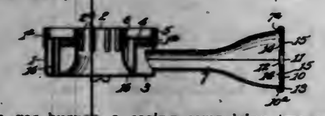
In a radiant heater, the combination with a stove casing and a horizontal radiant support mounted within said casing, said support having therein a plurality of apertures adapted to be embraced by radiants seated upon said support, and also having an elongated opening in an end thereof, of a tubeless hollow sheet-metal gas burner underlying said support and having a flat top, grids mounted on said top and adapted for directing gas upward through said apertures, an induction tube upon which the inlet end of said burner is carried and which is detachably mounted upon said casing, and a laterally disposed tongue carried by the opposite end of said burner above the level of said top and disposed in seated relation to said radiant support whereby said end of the burner is supported, said tongue being projected through the elongated opening of said support and being movable along said opening in positioning said burner.

1,486,667. GAUGE FOR CENTERING SHAFTS. WILLIAM J. JERMAN, Cleveland, Ohio. Filed Nov. 20, 1920. Serial No. 425,386. 2 Claims. (Cl. 33—189.)



1. In a device for accurately positioning a scribing cutter with reference to a shaft upon which the cutter is to operate, in combination, a base member having diverging arms, a bar connecting the outer extremities of said arms, a radial securing means in said bar, a vertical support mounted upon said base at the junction of said arms, a fork at the free extremity of said support, and transversely adjustable gauge screws in the arms of said fork.

1,486,668. GAS BURNER. HENRY KIELBERG, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of West Virginia. Filed Sept. 27, 1923. Serial No. 665,087. 5 Claims. (Cl. 158—116.)



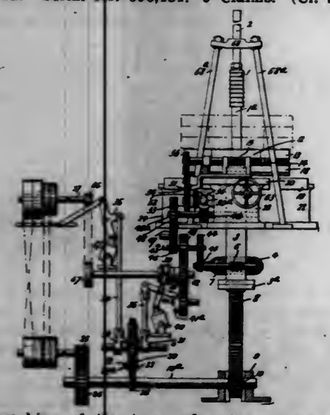
1. In a gas burner, a casing comprising two substantially cylindrical upright concentrically related walls having an intermediate closed bottom, a ring-like closure fitted between the upper ends of said walls, said walls having their closure engaging surfaces provided with crimps whereby are formed between said walls and said closure concentrically related rows of ports for egress of gas from the casing, and a mixing tube opening into said casing for supplying gas into the latter.

1,486,669. CARROUSEL. JAMES F. KLINE, Amarillo, Tex. Filed Feb. 26, 1923. Serial No. 621,279. 3 Claims. (Cl. 46—27.)



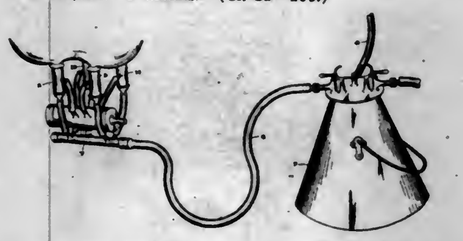
2. In a device of the class described, a base block having radial sockets, radial feet in the sockets, a standard carried by the block, a gear fixed on the standard, spider arms mounted to rotate about the standard, rock shafts in the spider arms, gears on the rock shafts for engaging the fixed gear on the standard, rings on the ends of the spider arms having slotted portions, links engaging the crank shafts and passing through the slots, brackets on the rings, seats on the brackets, and rocking levers on the brackets engaging the links.

1,486,670. GEAR-CUTTING MACHINE. ROBERT JAMES MCLEOD, West Drayton, England. Filed Dec. 12, 1922. Serial No. 606,451. 9 Claims. (Cl. 90—1.)



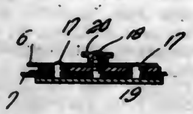
1. A machine of the type referred to, comprising a single reciprocating member provided with cutting teeth rigidly secured thereto and a plurality of blank holders common to and adapted to be arranged at equal distances from said member so that a number of blanks can be acted upon by the teeth of such member at one operation substantially as described.

1,486,671. MILKING MACHINE. ROBERT MABS, Calgary, Alberta, Canada. Filed June 23, 1921. Serial No. 479,841. 5 Claims. (Cl. 31—100.)



1. A milking machine, in combination with a teatcup and a vacuum extracting device, a pulsator, a teatcup claw disposed beneath the said pulsator chamber, a reciprocable piston rod disposed centrally in the said chamber and provided with a piston subject to atmospheric pressure, a cam configurated on the said piston rod in relation to a cylindrical sleeve slidable within the said chamber, an annular coil spring interiorly fitted to the said slidable sleeve and adapted to expand when the said cam engages it and to travel along the said cam as the result of contraction of the said annular coil spring, the said annular coil spring carrying the said slidable sleeve in the direction opposite to that of the said piston, a main port positioned to connect the said chamber with the said teatcup claw, a secondary port connecting the said chamber with the atmosphere, grooves configurated in the said slidable sleeve, upper and lower transverse grooves connecting the said upper and lower longitudinal openings positioned in the said chamber, the flexible inner chamber of the said teatcups connected to the said teatcup claw, the outer rigid casing of the rear teatcups connected to the said chamber, the outer rigid casing of the front teatcups connected with the said grooves configurated in the said slidable sleeve, the said sleeve slidable within the said chamber functioned to open and close ports inmparting a draw or suction on the front teats disposed in the front teatcups and a massage on the rear teats disposed in the rear teatcups simultaneously and alternately.

1,486,672. SAFETY RAZOR AND BLADE HOLDER. GIUSEPPE MAZZONI, Chicago, Ill. Filed July 27, 1923. Serial No. 654,115. 1 Claim. (Cl. 30—12.)



In a safety razor an elongated handle formed of a single strip of springy sheet metal centrally return-bent to provide a pair of integrally connected normally separated handle members having a plurality of longitudinally alined opposed openings in the free end portions thereof, one of said handle members having hollow studs projecting inwardly therefrom about certain of said openings and entering the opposed openings of the other handle member when said handle members are brought together, said hollow studs being adapted to enter the openings of a conventional safety razor blade, said handle members being further provided with alined transverse slots inwardly of the openings, a catch of substantially L shape attached to the outer surface of one of the handle members and extending forwardly and

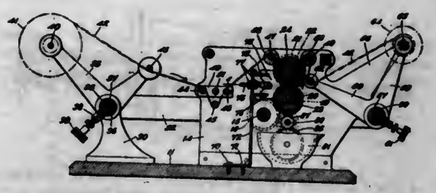
then laterally through said slots and terminating in a hooked free end adapted to engage the other handle member adjacent its slot for retaining the handle members in clamping engagement with a blade disposed therebetween, a transversely curved tension plate disposed against the outer surface of one of the handle members and having a central clamping screw and end pins projecting through the openings of the handle members, a toothed guard plate disposed between the other handle member and the razor blade and provided with openings through which said clamping screw and pins project, and a nut upon said clamping screw engaging the outer surface of the last-named handle member for clamping the parts together.

1,486,673. GARMENT AND METHOD OF CUTTING THE SAME. DAISY W. MELL, Athens, Ga. Filed Mar. 29, 1923. Serial No. 628,464. 4 Claims. (Cl. 2—113.)



2. A body garment for infants, having at its lower edge two projecting tabs located at opposite points, and at its upper edge provided with arm holes, and front and back neck openings of the same depth as the depth of the arm holes, said arm holes and said openings being separated by strips which are adapted to be overlapped in pairs and fastened together to form shoulder straps, and fastening means on said straps, such fastening means arranged so that front and back strips on either side of the central opening may be fastened together, or two front strips and two back strips may be fastened together to permit the garment to be arranged on the wearer with the tabs at front and back, or with the tabs at the two sides.

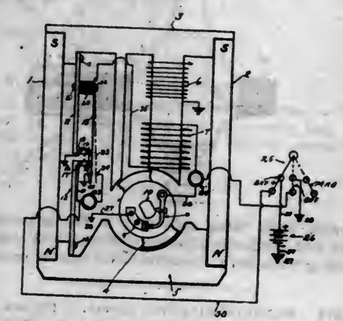
1,486,674. RIBBON-INKING MACHINE. FREDERICK GEORGE MEYER, Washington, D. C. Filed June 8, 1922. Serial No. 566,890. 8 Claims. (Cl. 91—50.)



1. A device of the class described comprising a solid inking roll having an unbroken surface, means for supplying ink at a plurality of points on said surface, and a plate member resiliently engaging said surface for preventing the mixing of said ink prior to its application to the ribbon.

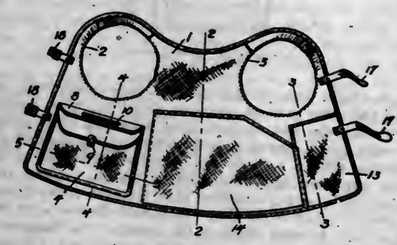
8. A machine of the class described comprising a frame; a pair of inking rolls rotatably mounted in said frame; a readily removable ink reservoir carried by said frame; a drum provided with a gear rotatably mounted in said reservoir, both adapted to pick up ink therefrom; a gear meshing with said first named gear and engaging the surface of one of said rolls, adapted to transfer ink from said drum and first named gear to the surface of said roll at separated points thereon; and means for driving said rolls and said second named gear.

1,486,675. REVERSE-CURRENT CONTROLLER. WILLIAM C. NEIN, New York, N. Y. Filed Mar. 15, 1920. Serial No. 365,803. 5 Claims. (Cl. 290—41.)



2. In an ignition system, the combination of an ignition current generator having permanent field magnets, an auxiliary source of current adapted to supply unidirectional current, manual means for connecting the generating winding of the generator to said auxiliary source of current, and automatic means for preventing all flow of current from the auxiliary source through the generating winding except when said current flows in a predetermined direction.

1,486,676. FISHING VEST. HANS N. NILSSEN, Duluth, Minn. Filed Apr. 16, 1923. Serial No. 632,307. 2 Claims. (Cl. 2—102.)

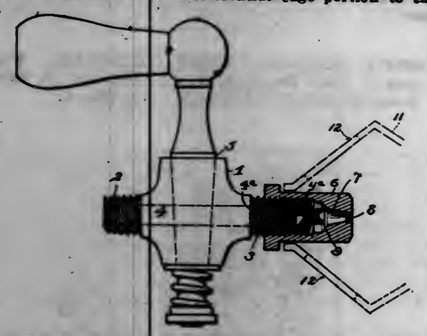


1. The combination with a vest of the class described of a fish basket permanently fixed thereto, a removable metal bottom within said basket, and drain holes within the bottom of the basket in the outermost edge thereof beneath the removable bottom.

1,486,677. VALVE. HENRY W. O'DOWD, Jersey City, N. J., assignor to William M. Crane Company, a Corporation of New York. Filed Oct. 15, 1921. Serial No. 507,935. 5 Claims. (Cl. 158—118.)

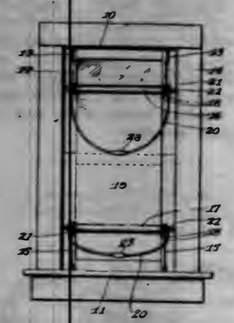
5. In combination with a valve casing having a passage therethrough provided with a discharge end, a valve mounted in the casing to control the flow of fluid through the passage, a cap applied to the casing over the discharge end of the passage and adjustable axially, said cap being formed with a discharge aperture and with a chamber whose walls converge towards said aperture, and a member on the casing projecting axially from the discharge end of the passage and having its terminal end formed with a circumferential edge portion adapted to

cooperate with the converging walls of the chamber in forming a circular constricted passage between the two, the relation of said circumferential edge portion to the



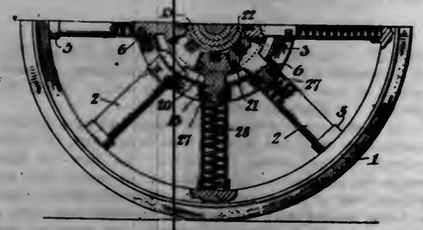
converging walls being such that in the adjustment of the cap said circumferential edge portion will engage the converging walls in a circumferential line of contact.

1,486,678. WINDOW SHADE. EDWIN T. PETERS, Havre, Mont. Filed June 2, 1922. Serial No. 565,391. 3 Claims. (Cl. 156—10.)



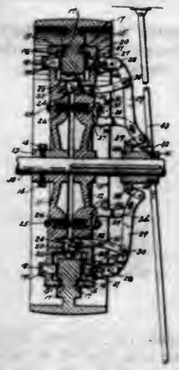
1. A shade comprising a pair of rollers disposed one above the other and in parallel relation, cords secured above one roller and cords secured below the other roller, the cords being secured to and wound on the ends of the respective rollers, a shade web secured at its ends to the rollers and extending therebetween, flanges on the ends of the rollers, and a weighted yoke for each roller having its arms formed with eyes embracing the ends of the rollers and bearing frictionally against the flanges to maintain the rollers in adjusted positions.

1,486,679. CUSHION WHEEL. GEORGE M. PETERS, Kirkwood, Mo. Filed Sept. 13, 1920. Serial No. 409,929. 5 Claims. (Cl. 152—53.)



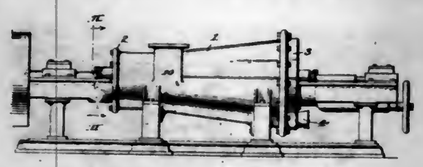
5. A resilient wheel for vehicles comprising a hub having a portion mounted on an axle of the vehicle and provided with pairs of inboard and outboard flanges and a spoke-engaging part having side plate extensions interposed between each pair of flanges and radially movable relatively thereto, a rim, a plurality of tubular spokes connecting said rim and the hub part, plungers adapted to reciprocate in said spokes, said plungers having side and end recesses formed therein, roller bearings mounted in said recesses for engaging the spokes and said hub respectively and spring means acting between said rim and plungers for yieldingly supporting the axle portion.

1,486,680. POWER-TRANSMISSION MECHANISM. WILLIAM H. PETER, Cleveland, Ohio. Filed Dec. 17, 1921. Serial No. 523,022. 11 Claims. (Cl. 192—53.)



10. A transmission mechanism of the character described comprising spaced rotatable disks, an annular element disposed between the margins of said disks, the disks being formed with inwardly turned flanges and the member with grooves receiving said flanges whereby the member is supported, and manually controlled means for first frictionally engaging the disks with said member and then positively engaging the disks with said member.

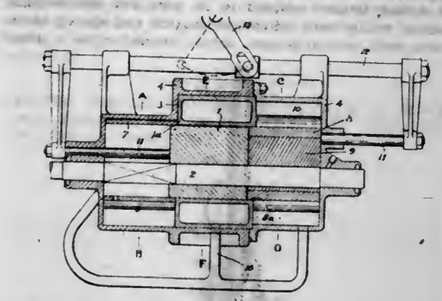
1,486,681. JORDAN ENGINE. WALTER EDWIN PETTINGILL, East Providence, R. I., assignor to Bird & Son, Inc., East Walpole, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1923. Serial No. 623,733. 4 Claims. (Cl. 92—27.)



4. In a Jordan engine, the combination of a shell having a neck portion; a feed opening arranged tangentially thereof and at a point removed from the neck, said opening discharging directly onto the adjacent wall of the shell; knives located interiorly of the shell except at that portion where the feed opening is located; a plug mounted for rotation in the shell; and knives carried by the plug.

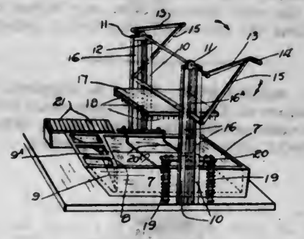
1,486,682. ROTARY PUMP. HARRY C. PHILLIPS, Gloucester, England. Filed June 11, 1923. Serial No. 644,687. 10 Claims. (Cl. 103—120.)

1. A rotary pump, compressor, prime mover, or the like, having in combination a revoluble inner element with a plurality of radial projections, an eccentrically disposed revoluble outer element with exterior pockets, an outer casing for the outer element, said revoluble inner member being adapted to traverse axially of the revoluble outer



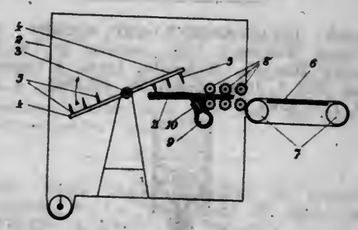
element, and a complementary block movable correspondingly with the inner element so as to take up displacement, whereby the capacity of the pockets is varied for admission or discharge of fluid.

1,486,683. MACHINE FOR COATING CONFECTIONERY AND OTHER EDIBLE MATERIALS. JOHN EDWARD SELVES PLUMRIDGE and HERBERT EASTON, Brisbane, Queensland, Australia. Filed Dec. 2, 1921. Serial No. 519,422. 3 Claims. (Cl. 91—4).



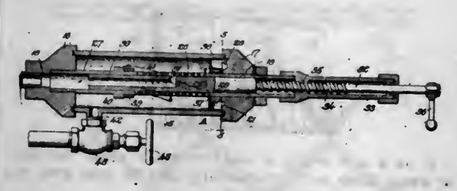
2. In machines of the class described, a trough containing a coating preparation, a tray adapted to carry articles to be coated, a vertical slidable plate provided with projections on its underside and adapted on its descent to force the tray into the trough containing the coating preparation, said projections being so fixed at points that they will not contact with said articles substantially as described.

1,486,684. MEANS FOR SCUTCHING AND BREAKING FIBROUS PLANT STALKS. FRANTIŠEK A. POŽÁR, Ceska Bela, Czechoslovakia. Filed May 22, 1922. Serial No. 562,754. 4 Claims. (Cl. 19—9.)



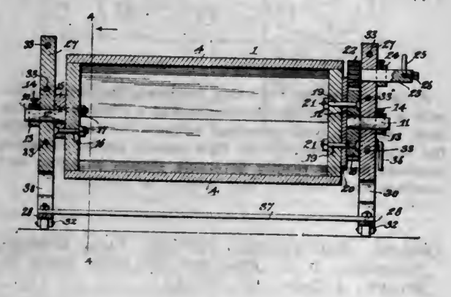
1. The improved scutching of fibrous plant stalks, comprising means for submitting plant stalks to the force of a blast and thereby keeping them in a substantially horisontal position, and means adapted to submit them to a scutching action while in this position.

1,486,685. LIQUID-FUEL BURNER. GEORGE D. REINHARDT, Tulsa, Okla. Filed May 19, 1922. Serial No. 562,109. 21 Claims. (Cl. 158—75.)



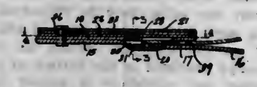
1. In a liquid fuel burner, a casing having a liquid fuel inlet, an apertured tube for conveying fuel from the casing, and rotatable means to remove accumulated deposits of fuel from the tube.

1,486,686. DOUGH PUNCHING AND FOLDING MACHINE. WILLIAM ROECKER, Marion, Ohio. Filed May 2, 1923. Serial No. 636,249. 2 Claims. (Cl. 259—8.)



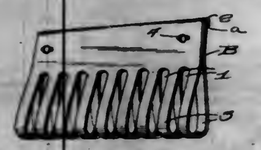
1. In combination, a pair of opposed vertical skeleton supports, a rectangular bearing block secured within the upper portion of said supports, receptacle bearing trunnions extending into said blocks intermediate the ends thereof, a power shaft mounted in one of said blocks, a pinion carried on the inner end of said shaft, a gear moving with one of the trunnions and meshing with said pinions, and means extending through one of the blocks and engaging the gear to lock the trunnions.

1,486,687. RAILROAD-CAR-DOOR SEAL. JOHN A. ROELL, West Jackson, Miss. Filed Feb. 12, 1923. Serial No. 618,653. 6 Claims. (Cl. 292—322.)



1. A car seal comprising an attaching head having a passageway therein open from an end thereof, said attaching head providing a locking barb extending transversely across said passageway and having a retaining lug extending laterally of the plane of said barb, and a flexible shackle portion connected at one end to said attaching head and having the free end thereof provided with an opening which when the free end is inserted into the passageway of said attaching head will receive said barb therethrough whereby the lug of said barb will be snapped into position to prevent detachment of the free end of the shackle from said barb.

1,486,688. COMB. FRIEDRICH ROSCHER, Washington, D. C. Filed Mar. 1, 1923, Serial No. 622,130. Renewed Jan. 31, 1924. 6 Claims. (Cl. 132—18.)



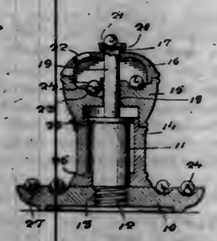
1. As a new article of manufacture, a comb, the teeth of which being each substantially oval in form with the wider end outwardly disposed.

1,486,689. PASTEBOARD-BOX CLOSURE. FRANK HENRY SCHADE, Cudahy, Wis. Filed Apr. 13, 1922. Serial No. 552,239. 8 Claims. (Cl. 229—47.)



5. In a device of the class described, the combination with a relatively rigid container and a closure therefor, each provided with openings adapted to register with the other, of substantially rigid double headed fastening members having readily severable shanks engaging said openings and retaining said closure in position.

1,486,690. EDUCATIONAL DEVICE. PAULO SCHELIGA, Washington, D. C. Filed Sept. 21, 1923. Serial No. 664,104. 1 Claim. (Cl. 35—2.)



A device of the class described embodying a base, a standard rising from the base, a container having an opening therein, means connecting the standard and container whereby the latter may be supported for vertical movement, a seat at the upper end of the standard, a plurality of movable elements within the container and a spiral raceway provided in the bottom of the container, whereby, when the container is moved vertically the movable elements will be deposited singly upon the seat for passage through the opening of the container.

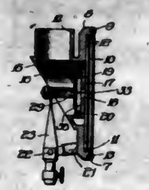
1,486,691. ELECTRICAL CONNECTER. EDWARD SCHWARTZ, New York, N. Y., assignor to Manhattan Electrical Supply Company, Jersey City, N. J., a Corporation of Massachusetts. Filed Sept. 7, 1918. Serial No. 253,076. 1 Claim. (Cl. 173—332.)

An electrical connecter comprising an insulating tubular casing, an insulating button adapted to enter said casing and be secured within the same, together with contacts carried by said button and comprising a cylindrical contact of spring metal having projecting from one edge thereof a combined securing strap and binding screw terminal, and a second contact comprising a pair of spring fingers adapted to be arranged substantially axially within said cylindrical contact and spaced therefrom, said spring fingers being integral with a sheet



metal strap arranged in extension thereof and forming a combined attaching strap and binding screw terminal, said straps being arranged on opposite sides of the insulating button and secured thereto, the contacts projecting in the same direction from said button and being housed within the surrounding insulating casing.

1,486,692. SOUND BOX. LOUIS K. SCOTFORD, Chicago, Ill., assignor to The Oro-Tone Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1919. Serial No. 274,412. 17 Claims. (Cl. 274—35.)



1. In a sound box, in combination, a main diaphragm, a secondary diaphragm, said diaphragms forming opposite walls of directly communicating sound chambers, a needle, separate means associated with each of said diaphragms and said needle for causing positive movement of one diaphragm in one direction only and positive movement of the other diaphragm in an opposite direction only.

1,486,693. INCANDESCENT-LAMP SOCKET. IRA R. SELTZER, Waterbury, Conn., assignor to The Gordon Electric Mfg. Co., Waterville, Conn., a Corporation. Filed May 7, 1921. Serial No. 467,760½. 4 Claims. (Cl. 173—358.)



1. In an incandescent lamp-socket, the combination with a molded body formed with internally-arranged passages for the current-receiving wires, of an internally-threaded coupling-sleeve anchored in the said body when

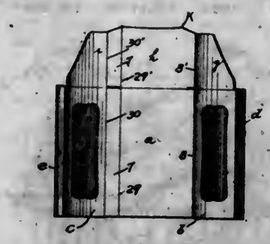
the same is molded, and having its inner end open to communicate with the passages thereof, terminal plates and a spring-contact applied to the body within the periphery thereof, and an insulating shell applied over the body, whereby the current-carrying wires are located within the periphery of the body and their abrasion prevented.

1,486,694. LADLE STOPPER ROD. JAMES E. SHEAFFER, Burnham, Pa. Filed Sept. 6, 1923. Serial No. 661,238. 3 Claims. (Cl. 22—85.)



1. The combination of a stopper rod having a supporting rod; a sleeve brick enclosing the rod; a graphite head; and a protecting sleeve extending over the joint between the graphite head and the sleeve brick.

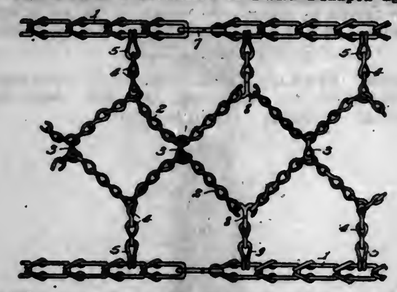
1,486,695. FOLDING DISPLAY DEVICE. JOSEPH B. SINOBB and ARTHUR B. LEVY, New York, N. Y. Filed Apr. 1, 1921. Serial No. 457,662. 6 Claims. (Cl. 206—44.)



1. In a display device, a pair of oppositely disposed containers, and an intermediate section hingedly connecting the containers and having a fold line between its hinged side edges to admit folding of the containers in superposed relation upon each other and upon the intermediate section.

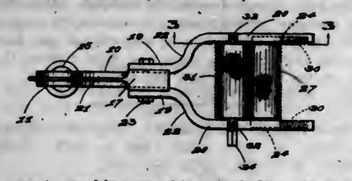
1,486,696. TIRE CHAIN. CHARLES W. SNODGRASS, Mannington, W. Va. Filed June 23, 1922. Serial No. 570,439. 1 Claim. (Cl. 152—14.)

A tire chain comprising circular side chains, a pair of continuous twisted-link chains intermediate said side chains, a single cross link coupling together said twisted-link chains at regular intervals throughout the lengths of the latter, and a series of alined cross links connecting said side chains to said twisted-link chains at points midway between said single-link couplings, thereby to form a succession of diamond-shaped figures



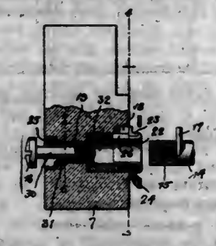
located remote from said side chains and adapted to rest in substantial entirety upon the tread portion of a tire.

1,486,697. MACHINE FOR MASHING BEEFSTEAK AND THE LIKE. FLOYD STILLSON, Williamsburg, Ontario, Canada. Filed Nov. 15, 1922. Serial No. 601,184. 3 Claims. (Cl. 17—26.)



1. A meat mashing machine including frame members; rollers mounted in said frame members for rotation; said rollers having circumferential rows of teeth formed thereon; means for resiliently forcing one of said rollers toward the other roller; a bracket for supporting said frame members; a block formed at one end of said bracket and having recesses in the sides thereof; said frame members having inwardly offset ends engaged in said recess; means for securing said ends in said recess; a substantially U-shaped bracket member carried at the other end of said standard; and an adjustable clamping member carried by said substantially U-shaped bracket member to clamp the standard on a support; said standard having a reinforcing rib extending practically the entire length thereof.

1,486,698. SWITCH HANDLE. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 22, 1921. Serial No. 502,437. 7 Claims. (Cl. 200—172.)

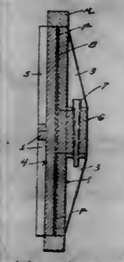


1. A handle for rotary snap switches comprising a button recessed to receive a switch spindle, a sleeve secured within said recess, and a cover-pressing spring washer secured by said sleeve to the button.

7. A handle for rotary snap switches, comprising a button pierced by a hole, a sleeve secured against rota-

tion in said hole, a screw having a rolled thread spaced from the head of the screw, and means associated with the sleeve and forming an abutment engaged by the screw thread to prevent the escape of the screw from the button when the latter is detached from the spindle.

1,486,699. FURNACE DOOR. CHARLES H. THORNDELL, Connellsville, Pa. Filed Aug. 28, 1922. Serial No. 584,762. 3 Claims. (Cl. 110—173.)



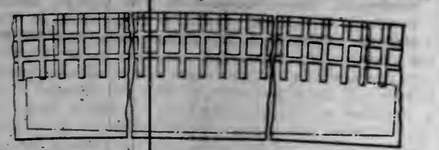
3. In combination with a furnace door provided with an outwardly projecting boxing of non-circular cross-section, a liner positioned adjacent to the inner face of the door and provided with an integral outwardly projecting element fitting snugly into said boxing, and a member inserted through said element of the liner and the boxing and acting to force the liner toward the door and to secure the door and the liner together.

1,486,700. EXTENSION RAIL. HAROLD P. TOMPKINS, Charleston, W. Va. Filed June 8, 1923. Serial No. 644,226. 5 Claims. (Cl. 238—10.)



5. An extension for the tracks in mines, etc., comprising a pair of channeled members having inner straight portions to rest on the heads of the car rails and outer inclined portions to rest on the floor of the mine, and each of said rail extensions being centrally and longitudinally channeled to receive the flanges of car wheels therein.

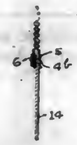
1,486,701. COLLAR. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed Jan. 25, 1922. Serial No. 531,757. 8 Claims. (Cl. 139—386.)



2. A folding collar made of multiple ply interwoven fabric comprising a neckband portion and a turn-down portion, said collar having woven in at least one of said portions a plurality of relatively narrow thickened zones which tend to stiffen the collar and which are adapted to facilitate the folding of the collar along a longitudinal curvilinear line of fold.

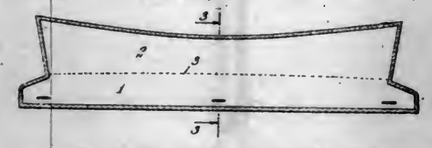
1,486,702. COLLAR BAND. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass. Filed Jan. 25, 1922. Serial No. 531,758. 2 Claims. (Cl. 2—41.)

2. In the manufacture of shirts, the method of attaching a collar band made of multiple-ply interwoven fabric having two integral extensions from the lower edge thereof, one of said extensions being longer than the other, which consists in placing the collar band and the shirt fabric together with the edge of the longer extension coincident with the edge of the shirt fabric, passing a row of stitches through the longer extension and the shirt fabric, said row of stitches being beyond



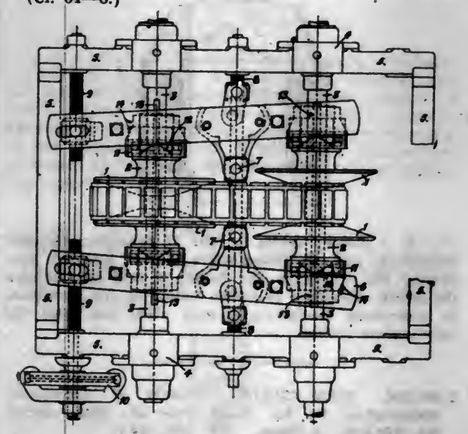
the edge of the shorter extension; folding the neckband over so that it lies in the plane of the shirt fabric, placing the shorter extension over the other side of the shirt fabric and passing a row of stitches through both the longer and shorter extensions and also through the shirt fabric.

1,486,703. COLLAR AND COLLAR FABRIC. JOHN MANNING VAN HEUSEN, Jamaica Plain, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed Feb. 6, 1922. Serial No. 534,328. 8 Claims. (Cl. 139—386.)



1. A collar fabric or collar of straight multiple ply interwoven fabric having a fold portion extending longitudinally of the fabric and being longitudinally curved in the plane of the fabric, the warp threads of the fabric on each side of and adjacent to the fold portion having the same curvilinear arrangement as the fold portion, and the weft threads of the fabric being parallel and uniformly spaced from each other.

1,486,704. VARIABLE-SPEED GEAR. THOMAS VICARS and EDWARD LYNTON VICARS, Earlestown, England. Filed July 7, 1921. Serial No. 482,984. 1 Claim. (Cl. 64—8.)



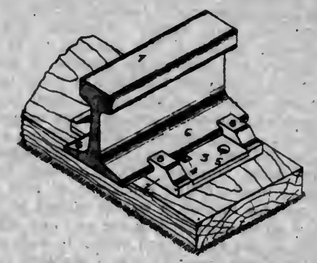
In a variable speed gear, the combination of a frame, two parallel shafts mounted therein, a spline on each shaft extending substantially the full length of the same, a pair of cone-shaped driving elements held on said shaft by the spline and adapted to slide toward and away from each other, a reduced portion on the outer end of the bearing of each driving element to provide a shoulder, a ball thrust bearing mounted thereon, V-shaped elements associated with said ball thrust bearing, levers pivoted between the parallel shafts and having their relatively inner edge portions engaging the said V-shaped elements, said levers being otherwise free of connection with the driving elements, and means cooperating with the levers for operating the same to cause said levers to exert endwise pressure on the V-shaped elements of one pair of driving elements while freeing pressure on the V-shaped elements of the other pair of driving elements.

1,486,705. DECORATIVE COATING AND METHOD OF FORMING THE SAME. CHARLES E. WALKER, Hamilton, Ohio. Filed Mar. 6, 1922. Serial No. 541,475. 2 Claims. (Cl. 41—35.)



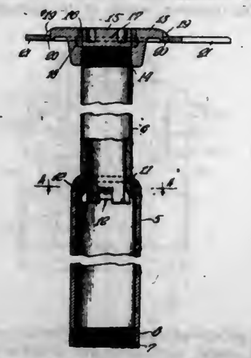
1. A method of decorating consisting in applying a stiff body of dyed paper pulp containing dye decementitious substances to one face of the article to be decorated, then treating the coating to simulate bark, then adding knots to the coating, then drying the article, then subjecting the article to baking to the desired degree, then dipping the baked article into glycerine and silica, then stroking the article with a brush, and then heating the article for a predetermined period.

1,486,706. TIE PLATE. JOSEPH A. WALSH and JAMES F. KENNEDY, Pittsburgh, Pa.; James J. Walsh executor of the said Joseph A. Walsh, deceased. Filed Dec. 4, 1922. Serial No. 604,696. 1 Claim. (Cl. 238—290.)



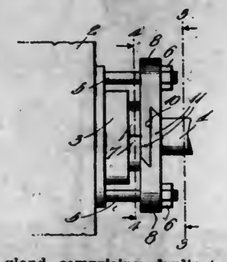
A tie plate for rails comprising substantially flat top and bottom sections, said top section having flange engaging lugs at one edge thereof in the corner portions, the opposite end of the top plate being reduced in width, projections at each corner of the bottom plate at one end thereof of a thickness equal to the thickness of the first plate, said reduced end of the top plate fitting between said projections, and a flange engaging lug on each projection, said plates having registering spike holes therein at each end thereof and located between the lugs, said top section only providing the seat for a rail when laid thereon.

1,486,707. GATE BOX. ARTHUR L. WARNER, Elgin, Ill., assignor to Illinois Iron and Bolt Company, Carpentersville, Ill., a Corporation of Illinois. Filed Mar. 1, 1920. Serial No. 362,486. 2 Claims. (Cl. 137—18.)



1. A gate box comprising two telescopically arranged pipe sections, the outer section having one of its end edges inturned to restrict the bore and the inner section being slightly smaller than the restricted bore and having outwardly projecting resilient tongues which engage the inner wall of the outer section to hold the two sections in any longitudinally extended position.

1,486,708. TWO-PIECE PACKING GLAND. ANDERSON J. WELLS, South Greensburg, Pa. Filed Jan. 20, 1921. Serial No. 438,766. 1 Claim. (Cl. 286—33.)

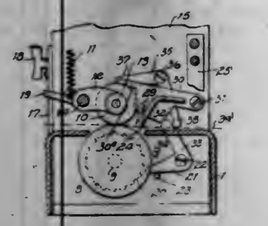


A packing gland comprising duplicate separable sections each having a sleeve forming portion and a collar forming portion at the outer end of its sleeve forming portion, the collar forming portions having extended outer end portions having openings for receiving fasteners to hold the gland in place about a shaft, and tongues extending longitudinally from the inner end of each collar forming portion at opposite sides of the sleeve portion and extending beyond the sleeve forming portion and having beveled ends with the end of the tongue at one side of the sleeve portion beveled in an opposite direction to the end of the tongue at the opposite side of the sleeve, the collar forming portion having recesses extending longitudinally of the collar from the inner ends of the tongues and under cut at their inner ends and adapted to receive the tongues of the other section when the sections are put together with the edges of the sleeve forming portions contacting and the tongues extending in overlapping relation.

1,486,709. ANTISPINNING DEVICE. JOHN L. WHEELER, St. Louis, Mo., assignor to The Measuregraph Company, a Corporation of Delaware. Filed May 19, 1922. Serial No. 562,253. 5 Claims. (Cl. 33—130.)

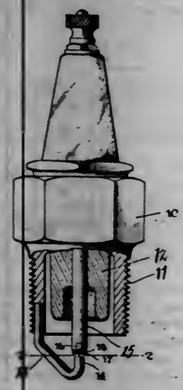
1. In an anti-spinning device, the combination of a measuring roller, a detent wheel mounted to rotate therewith, a detent pawl, a movably mounted presser

roller to press the fabric against the measuring roller during the measuring movement, a movable member mounted so as to be supported by the fabric when being pulled past the measuring roller, means actuated by said movable member when it is unsupported by the



fabric, for actuating the detent pawl to co-operate with the detent wheel and stop the measuring roller, and automatic means for disengaging the detent pawl from the wheel when the presser roller is moved away from the measuring roller.

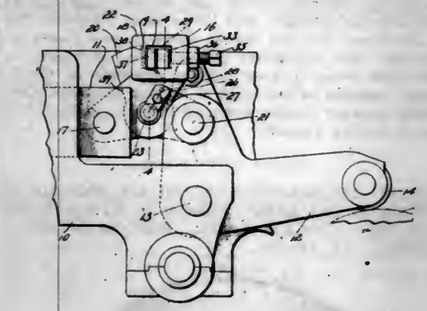
1,486,710. SPARK PLUG. JOSEPH S. WHITTIER, Houlton, Me. Filed June 15, 1923. Serial No. 645,682. 4 Claims. (Cl. 123—169.)



1. A spark plug having opposed terminals one terminal having a hollow cylindrical conformation and being externally grooved to form a sharp annular fin adjacent to its lower end, substantially as set forth.

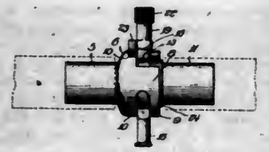
1,486,711. CONNECTION MECHANISM. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 4, 1921. Serial No. 475,091. 6 Claims. (Cl. 74—48.)

4. In a connection mechanism, companion members comprising an arm member and a shearing member, operatively connected with each other, a shearing element having a section at one end separated from the remainder of said shearing element by a weakened portion; and movable means for securing said shearing element in said arm member, all of said parts being so associated that said shearing member is held against relative movement by said shearing element and a projecting portion of said arm member whereby said members and element operate as a unit under normal strains, but move relatively to each other under abnormal strains, at which



time the projecting section of said shearing element will be broken off at said weakened portion and released from engagement with both of said members, the pressure of the shearing member thereon being applied at a point beyond its securing means.

1,486,712. HOSE COUPLING. RICHARD J. WILLIAMS, Virginia, Minn. Filed Mar. 28, 1921. Serial No. 456,451. 1 Claim. (Cl. 285—177.)

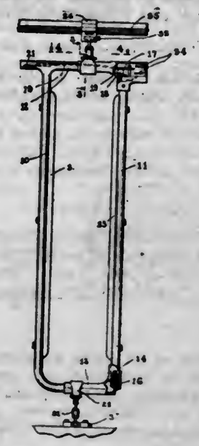


In a pipe coupling, an enlarged socket member having a seat therein, a compressible packing in said seat, oppositely positioned axially and circumferentially extending arms carried by the member, the surface of the arms adjacent the body portion of the member being inclined inwardly toward the point of junction with the body, the body opposite said inclined portion of the arms being provided with axially extending serrations, a second member having a face adapted to fit into said socket member and engage the packing, a shoulder on said member, a rotatable locking ring fitted behind said shoulder and retained in place by a fixed ring secured to the member, oppositely located arms extending from the locking ring and provided with surfaces adapted to engage the inclined surfaces of the body member arms, said arms being provided with extensions for manual operation, a sleeve fitting about one of said arms and radially movable thereon, a washer carried by the end of the arm, a spring surrounding the arm and engaging the inner face of the washer and spring in such manner as to urge the sleeve inwardly, and a serrated foot carried by the sleeve and adapted to engage the serrations upon the body member to automatically and adjustably lock the ring and thus the second member to the socket member.

1,486,713. STANCHION. LEWIS KEMPER WILSON, Waukesha, Wis. Filed June 9, 1922. Serial No. 567,095. 7 Claims. (Cl. 119—149.)

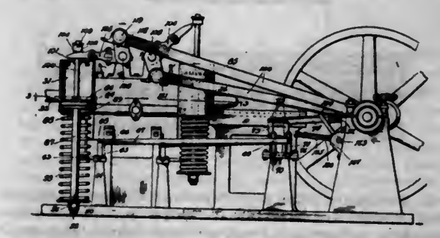
1. In a stanchion, a fixed stanchion member, a movable stanchion member pivotally and slidably connected at its lower end portion to the lower end portion of the

fixed stanchion member and having a locking engagement at its upper end with the upper end of the fixed stanchion



member, said movable stanchion member being unlocked by a downward movement of the movable stanchion member.

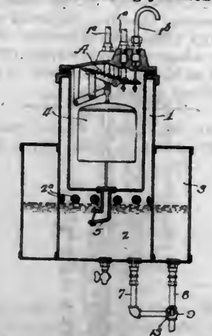
1,486,714. INTERNAL-COMBUSTION ENGINE. ROBERT S. WITTMEIER, Portland, Oreg. Filed Aug. 23, 1921. Serial No. 494,479. 10 Claims. (Cl. 123—61.)



7. In an internal combustion engine of the precompression type, an explosion cylinder, and means for compressing a gaseous charge prior to delivery to the said cylinder comprising a charge compression cylinder having a charge intake and a port in communication with the explosion cylinder, a piston working in the charge compression cylinder, means urging the said piston in the direction of its compression stroke, the piston having a stem extending exteriorly of the cylinder, a tappet head upon the stem, and means coacting with the tappet head to move the piston on its intake stroke, said means comprising an oscillatory tappet arm including pivotally supported relatively separable members, and means yieldably resisting separation of the members, the members, in the movement of the arm in one direction, being arranged to ride over and past the tappet head and engage behind the same, and in the movement of the arm in the other direction being arranged to act against the head to exert force upon the said stem and finally disengage from the head to release the piston for actuation by the said urging means.

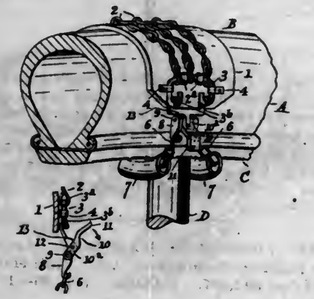
1,486,715. VACUUM FUEL-FEED RESERVE SYSTEM. ANDREW C. WOOD, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 11, 1922. Serial No. 560,090. 5 Claims. (Cl. 158—46.5.)

1. In a vacuum fuel feeding device having connections for supplying a carbureter and for deriving fuel for such supply, a three-chambered receptacle having its three chambers connected for fuel delivery from the first into the second and from the second into the third; conduits from the second and third chambers for delivery to the carbureter, said conduits making junction with each other



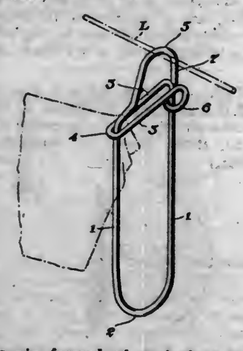
for ultimately supplying the carbureter through the same passage, and a valve at their junction adapted to be adjusted for delivery to the carbureter alternatively either from the second chamber or from the third chamber.

1,486,716. ANTISKID TIRE SHOE. EDWARD CHARLES WOOD, Nyah West, via Swan Hill, Victoria, Australia. Filed Nov. 14, 1922. Serial No. 600,842. 2 Claims. (Cl. 152—14.)



1. An anti-skid shoe for wheel tires, comprising a flexible saddle disposed over the tire, chains disposed over said saddle and adapted to tread on the road, stirrups connected to the chains and to the saddle, and spring fitted means connected to the stirrups on opposite sides of the shoe whereby the latter will embrace the tire.

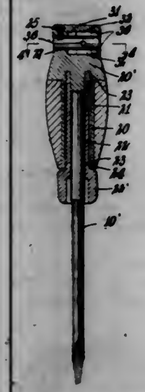
1,486,717. CLOTHESPIN. FRANK YOUNG, Phoenix, Ariz. Filed May 12, 1923. Serial No. 638,551. 1 Claim. (Cl. 24—139.)



A clothes pin formed of a single strand of material comprising a pair of arms conected at adjacent ends, the free end portion of one of the arms being continued by

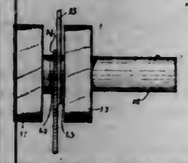
inwardly inclined reverted arms, the free end portion of the second arm extending between the reverted arms and terminating in an inwardly facing hook member, said second arm possessing inherent resiliency and constantly urging toward the intermediate portion of the reverted arms, said hook member being inwardly offset, said offset being positioned adjacent to the lower or outer end portions of the reverted arms.

1,486,718. TOOL HANDLE. FRANK ZYGMUNT, Plantsville, Conn. Filed Oct. 4, 1922. Serial No. 592,275. 3 Claims. (Cl. 145—61.)



1. A tool of the type specified comprising an elongated handle, a hammer head slidable in one end of said handle transversely to the latter, said hammer head being adapted to be confined entirely within the handle when not in use and to be projected partially from the handle for use, and integral lugs on said hammer head adapted to engage abutment shoulders on said handle to hold the hammer head projected.

1,486,719. LICENSE-TAG FASTENER. ANTHONY BENNETT ALDRICH, Washington, D. C. Filed May 25, 1923. Serial No. 641,447. 1 Claim. (Cl. 85—1.)



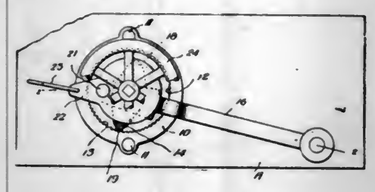
A fastening comprising a screw threaded member having a transversely elongated head arranged for gripping between the fingers, and a cooperating internally threaded socket member closed at one end and having a transversely elongated enlarged finger grip at its other end.

1,486,720. LENS. WILLIAM BAUSCH and MAX POSER, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,585. 4 Claims. (Cl. 240—48.4.)



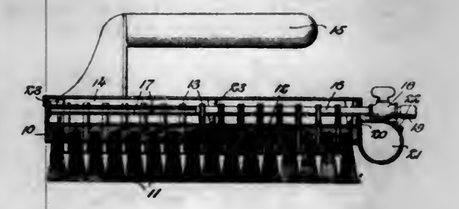
1. A prismoidal refracting headlight lens of uniformly increasing thickness from top to bottom and having its entire incident and emergent surfaces uniformly continuous from apex to base, one of said surfaces being formed of a series of uniform contiguous astigmatizing cylindrical lenses with a dispersing power in the horizontal meridian only.

1,486,721. LEVER. HENRY A. BENNETT, Aurora, Ill. Filed Mar. 28, 1922. Serial No. 547,435. 4 Claims. (Cl. 74—118.)



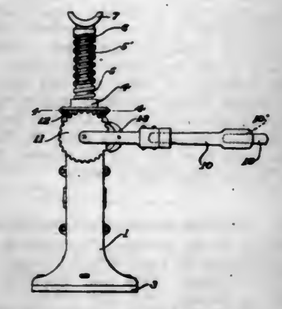
1. In a device as set forth, an operating rod, a lever, a pawl carried by said lever, said pawl and lever provided with registering slots receiving therethrough said rod, said pawl provided with opposed operating tips, and a double toothed internal ratchet cooperating with said pawl.

1,486,722. BRUSH. AARON G. BERNÁT, San Diego, Calif. Filed Nov. 12, 1921. Serial No. 514,732. 7 Claims. (Cl. 26—7.)



1. A brush including a brush back provided at its bottom with bristles and carrying at its top a chamber, tubes extending through said brush back and having their upper ends opening into said chamber, whereby steam delivered to the chamber is supplied to said bristles, and means for delivering steam to the chamber below the upper end of said tubes whereby waters of condensation are prevented from reaching the bristles.

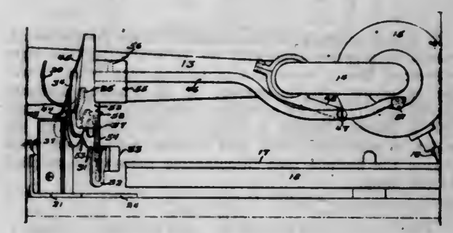
1,486,723. JACK. MAURICE F. BERNSON, Canadian, Tex. Filed July 12, 1921. Serial No. 484,111. 2 Claims. (Cl. 254—102.)



1. A jack of the class described comprising a standard having a bore therein and vertical grooves in the walls of the bore, the ends of the bore being of larger diameter

than the major portion thereof with sloping shoulders connecting the enlargements with the walls of the grooves, a nut rotatably connected with the top of the standard, a screw threaded member located in the bore of the standard and passing through the nut, a projection at the lower end of the member for engaging the grooves to prevent rotary movement of the member until the projection reaches the enlargements, ratchet means for rotating the nut, a second screw threaded member located in the first member and having screw threads thereon, the first member being interiorly screw threaded to receive the second member and a supported head on the upper end of the second member.

1,486,724. REPEATING DEVICE FOR SOUND-REPRODUCING MACHINES. CHARLES WILLIAM BLOEMKER, Philadelphia, Pa. Filed May 9, 1921. Serial No. 467,850. 7 Claims. (Cl. 274—15.)



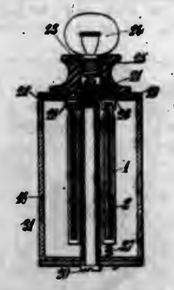
1. In a sound reproducing machine, a member movable in opposite directions and having record engaging sound reproducing means thereon whereby said member is moved in one direction due to engagement of the sound reproducing means with the grooves of the record; means for raising the sound reproducing means out of engagement with the record; means actuated under tension and embracing said first member for moving said member in an opposite direction; and means actuated by said first named member and operative on said raising means to permit lowering of said sound reproducing means into engagement with grooves of the record.

1,486,725. KNIFE. WALLACE R. BROWN, Olean, N. Y. Filed Feb. 3, 1923. Serial No. 616,744. 3 Claims. (Cl. 30—10.)



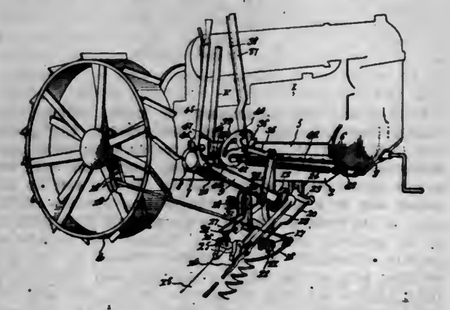
1. A knife of the class described comprising a handle, a sheath pivoted thereto to swing into or out of the handle, a blade pivoted to the sheath near one end to fold into the sheath or to swing outward in line with the sheath, and means on the handle to hold the sheath in the folded position with the blade closed or to engage the blade and hold the same in the open position, said means comprising a bail, the bail having a locking lip and said blade having a notch to receive said lip when the blade is in the open position and the sheath folded into the handle, the bail being swingable over the back of the sheath when the blade is folded into sheath and the sheath folded into the handle.

1,486,726. RECUPERATION CELL. CHARLES FRANÇOIS BUFFARD, Paris, France. Filed Sept. 9, 1922. Serial No. 587,206. 4 Claims. (Cl. 204—29.)



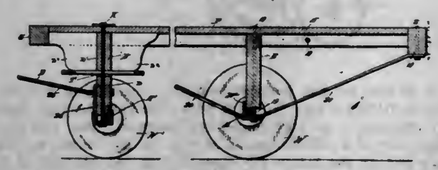
1. In a recuperation cell, a silver chloride electrode, a diaphragm enclosing this electrode, a zinc electrode surrounding the silver chloride electrode, perforations in the said zinc electrode, means for controlling the opening of the zinc electrode.

1,486,727. MOWER ATTACHMENT FOR TRACTORS. FRED CHANDLER, Yakima, Wash. Filed Aug. 31, 1920. Serial No. 407,161. 5 Claims. (Cl. 56—25.)



1. An attachment for tractors comprising a mower including a mower shoe, a slotted bracket carried by said shoe, a link engaging slidably through said bracket and having attachment at its outer end to the mower, means attached to the inner end of the link for raising the mower, and brace means connected longitudinally and transversely of the tractor and between the tractor and said shoe.

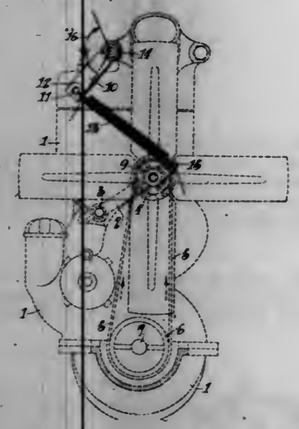
1,486,728. TOBACCO TRUCK. ANDREW JACKSON CHESSON, Kinston, N. C. Filed Sept. 18, 1920. Serial No. 410,002. 4 Claims. (Cl. 280—29.)



1. In a truck, a front bolster comprising a stationary section and a movable section, blocks for bracing the stationary section, a fifth wheel secured to the stationary section, a king bolt extending through said stationary section for rotatably supporting the movable section on the stationary section, said king bolt projecting beyond the lower edge of the movable section, an axle ar-

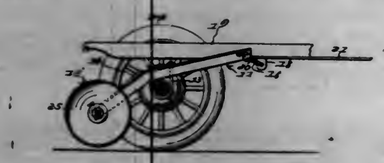
ranged at the lower edge of the movable section, wheels journaled on said axle, and an L-shaped bar carried by the king bolt and confining the axle in one of its lower corners between the king bolt projecting therethrough and the upstanding end of the L-shaped bar.

1,486,729. FAN-BELT ADJUSTER. JAMES H. CLARK, Richmond, Va., assignor to Henry J. Cohn, Richmond, Va. Filed Mar. 8, 1923. Serial No. 623,748. 2 Claims. (Cl. 64—52.)



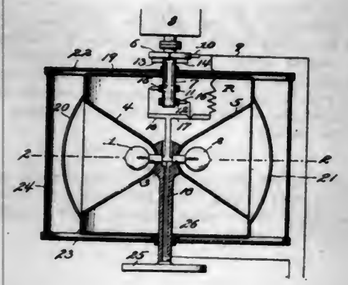
1. In a fan belt adjustment for motor vehicles, the combination with the pivoted fan bracket, the grease cup of that bracket, and one of the securing bolts commonly used to secure the top water connection with the motor, of an arm plate secured to the fan belt by the grease cup in a manner for permitting arcuate adjustment of the position thereof, a second arm plate adapted to be securely clamped, in a manner for permitting arcuate adjustment of the position thereof, by the said securing bolt of the water connection, and bent out at right angles and back to provide an ear, the said ear being apertured, and a coil spring connecting the said apertured ear and arm plate for the purposes specified.

1,486,730. ANTISKID AND GRIP DEVICE FOR MOTOR-DRIVEN VEHICLES. LOUIS COLLETTE, Spencer, Mass. Filed Nov. 1, 1921. Serial No. 512,090. 1 Claim. (Cl. 188—[illegible])



A device for the purpose indicated comprising a rocking or tilting frame provided with side bars having clips for effecting a pivotal connection between them and the rear axle of a vehicle, shoes carried by the frame at the rear end of the latter for contact with the surface of a roadway or street, the side bars beyond the clips being arranged on converging lines, a crank shaft mounted for rocking movement and provided with terminal arms pivotally connected with the extremities of the side bars of the frame and having an intermediate crank, and a longitudinally movable operating rod terminally connected with said intermediate crank for rocking the crank shaft and thereby tilting the frame.

1,486,731. ELECTRIC ILLUMINATING DEVICE. WALTER H. COOK, New Orleans, La. Filed July 1, 1920. Serial No. 393,274. 12 Claims. (Cl. 240—49.)



1. An illuminating device comprising an electric lamp, means cooperative therewith for concentrating the light therefrom into a beam and projecting such beam, means for supplying electric current of illuminating strength intermittently but at a regular frequency to said lamp, and a shutter having a blade of less width than the width of said light beam and movable across said beam during the periods that illuminating current is supplied to the lamp.

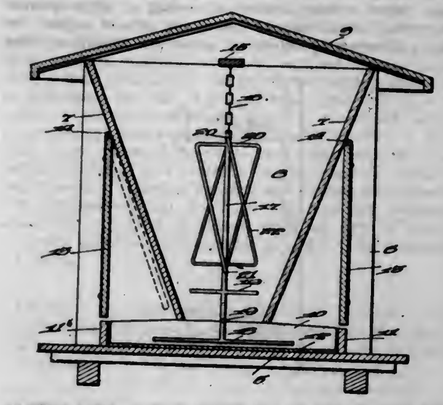
1,486,732. EXERCISING APPARATUS. JOHN J. COOPER, Stamford, Conn. Filed Sept. 24, 1921. Serial No. 502,941. 10 Claims. (Cl. 46—69.)



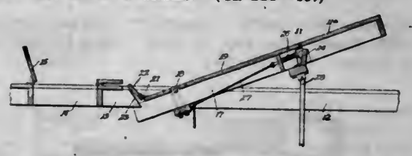
1. An exercising apparatus comprising treads arranged one alongside the other for a person to stand on to move the treads alternately in a downward direction, inclined guideways for the treads to slide on up and down, and resistances connected with the treads to resist the downward movement of the treads and assist in the upward movement thereof.

1,486,733. STOCK FEEDER. CHARLES W. CORL, State College, Pa. Filed Oct. 25, 1922. Serial No. 596,846. 2 Claims. (Cl. 119—54.)

1. In a feeder, the combination with a trough and a hopper delivering thereinto, of an upright shaft in the hopper having actuating means in the trough, upper and lower cross arms respectively projecting from different sides of the shaft within the upper and lower portions of the hopper, diagonally disposed rod portions connecting said upper and lower cross arms, and outstanding agitator fingers carried by the shaft below the lower cross arms and located in the lower end of the hopper adjacent to its outlet into the trough.

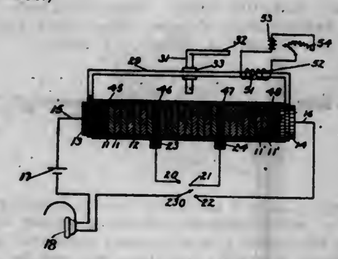


1,486,734. DUMP. MATHEW M. EGAN, Fort Worth, Tex. Filed May 10, 1922, Serial No. 559,858. Renewed Jan. 29, 1924. 3 Claims. (Cl. 214—49.)



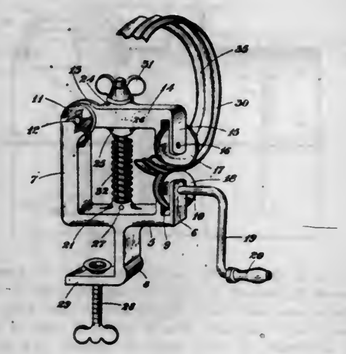
1. A dump comprising a platform including a stationary portion and a movable portion, means located adjacent one end of the movable portion for pivotally mounting the same to permit of said portion being tilted, a hinged member secured to one end of the movable portion and means formed on the stationary portion and engaging the hinged member, whereby, when the movable portion is inclined the hinged member will be inclined in a reverse direction to define a stop.

1,486,735. APPARATUS FOR PRODUCING AND RECEIVING SIGNALS. REGINALD A. FESSENDEN, Brookline, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Aug. 15, 1918. Serial No. 249,943. 7 Claims. (Cl. 177—386.)



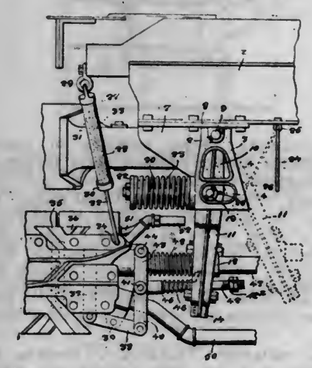
1. Means for submarine signaling comprising a plurality of plates of microphonic material, arranged as a column, and exposed to the action of the impulses to be received.

1,486,736. MACHINE FOR RETHREADING FRUIT-JAR RINGS. THOMAS J. FOSTER, Guelph, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,828. 2 Claims. (Cl. 153—72.)



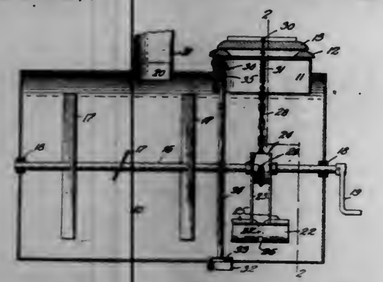
1. A rethreading apparatus for jar closure rings, comprising a frame, said frame formed with vertical arms one of which is of less length than the other and bifurcated, a bracket member formed on said frame, a clamp screw carried by said bracket member, a member hingedly mounted on one of said arms and having depending bifurcated portion, a roller revolvable in the bifurcation of said member, a roller mounted in the bifurcation of the short arm of said frame, the first mentioned roller formed with a convexed outer edge portion, the other of said rollers formed with a peripheral groove registering with the edge portion of the said first mentioned roller, a bolt connected to said frame and extending through said hingedly-mounted member, and a spring arranged on said bolt for tensioning the rollers into engagement with the ring to be threaded.

1,486,737. AUTOMATIC COUPLING FOR RAILWAY CARS. THOMAS J. FUTRELL, Streator, Ill., assignor to Futrell Coupler Company, Inc., Seattle, Wash., a Corporation of Washington. Filed July 23, 1920, Serial No. 398,331. Renewed July 31, 1923. 14 Claims. (Cl. 285—24.)



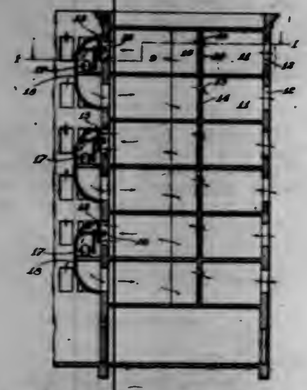
4. In a railway car coupling construction, the combination of the frame of a car body, pendent spaced brackets thereon, and a U-shaped swinging hanger having arms pivotally connected with said brackets.

1,486,738. TOILET. JOHN F. GEIBEL, Buffalo, N. Y., assignor to Kaustine Company, Inc., Buffalo, N. Y. Filed Sept. 17, 1920. Serial No. 410,859. 9 Claims. (Cl. 4—115.)



1. In a toilet, the combination of a sewage tank adapted to contain a disinfecting solution, a toilet seat mounted on said tank, a cover for said seat, a device in said tank movable into a position out of said solution adjacent to said seat to receive sewage passing into said tank and adapted to swing by its own weight into a position in which said device is immersed in said solution, and a connection between said seat cover and said device whereby the opening of said seat cover moves said device into its upper position adjacent to said seat and whereby the weight of said device moves said seat cover into closed position.

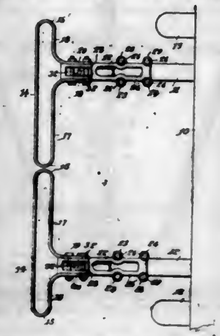
1,486,739. VENTILATING SYSTEM. ERNST GLANTZBERG, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,824. 2 Claims. (Cl. 98—27.)



1. A ventilating system including in combination with a building having adjacent floors presenting corridors, chambers communicating with said corridors and windows in the outer walls of said rooms, of a fan, and means for connecting said fan to different floors whereby to cause air to be sucked through said windows, rooms and corridors of one floor and to be expelled into the corridors, rooms and through the windows of the second floor with which said fan is connected.

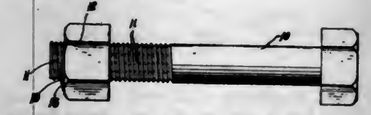
1,486,740. BUMPER. CLARENCE V. GESSLER, Indiana, Pa. Filed Mar. 28, 1923. Serial No. 628,306. 2 Claims. (Cl. 293—65.)

1. A bumper for the purpose set forth comprising a skeleton impact element formed of a strip of spring steel and T-shaped in contour, a clamping element formed of an upper and a lower section, said upper section including a rearwardly extending and upwardly curved shank having its lower face curved throughout for seating on the upper face of the vehicle spring and said upper section further including a body portion completely extending into the shank of said impact element, transversely extending means for fixedly securing



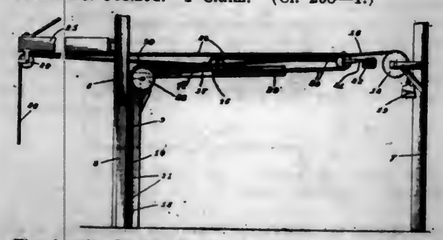
said body portion to the shank of said impact element, said lower section having its upper face curved throughout and adapted to be positioned against the lower face of the vehicle spring, and vertically disposed means arranged at each side of and extending through said sections for securing them together and for connecting the vehicle spring therewith.

1,486,741. NUT LOCK. WALTER P. GROVES, Edwardsville, Kans. Filed Feb. 10, 1923. Serial No. 618,413. 2 Claims. (Cl. 151—12.)



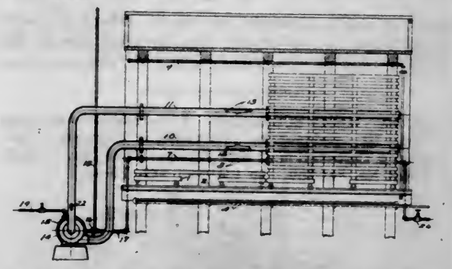
1. In combination, a bolt provided with a plurality of longitudinally extending grooves, a nut threaded onto the bolt and having its outer face formed with a recess, a pawl pivoted at one end within said recess and having a chisel point engaging the periphery of the bolt, said pawl being swingable in a plane at right angles to the face of the nut, and a leaf spring pivoted at one end upon the face of the nut and swingable in substantially the same plane with the face of the nut whereby to be selectively engaged upon or disengaged from the pawl, said spring normally operating to hold the spring within the recess, and means for preventing the spring from moving casually out of engagement with the pawl.

1,486,742. GARAGE DOOR. PETER W. HAGAN, Saskatoon, Saskatchewan, Canada. Filed June 14, 1922. Serial No. 568,291. 1 Claim. (Cl. 268—1.)



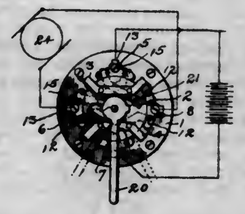
The herein described door for garages including the combination with a building having a door opening therein, of vertical tracks secured to the opposite sides of the door-way, horizontal tracks extending from the upper ends of the vertical tracks, rollers interposed between said tracks, a door including a plurality of hinged slats mounted in the vertical tracks and movable over the rollers to the horizontal tracks, flexible members passing through the slats for pivotally connecting the slats together, a pulley attached to these flexible members, a cable attached to the pulley for forcing the door to lowermost position, a second cable attached to said pulley, a weight attached to the last mentioned cable, an additional pulley mounted in spaced relation to the door, a cable passing over said pulley and over the first mentioned pulley and attached at one end to a stationary member within the building and having its opposite end extended within reach of the operator whereby when the said cable is pulled, the door will be moved to raised position, substantially as and for the purposes set forth.

1,486,743. DRYING KILN. EDWIN A. HALLAM, Portland, Oreg., assignor to (Mrs.) Mary B. Hallam, Portland, Oreg. Filed Mar. 15, 1921. Serial No. 452,609. 5 Claims. (Cl. 34—46.)



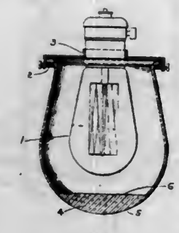
1. A drying kiln including walls forming a chamber, certain of said walls cooperating with material contained in said chamber to define a peripheral space within said chamber, and air inlet and exhaust pipes communicating with said chamber and connected to opposite sides of an air impeller to form with said chamber a closed circulation system, said inlet and exhaust pipes being provided with orifices opening into said peripheral space and arranged to avoid a directional flow from said orifices against the contents of said chamber but to induce a distributive drift of the relatively stagnant body of air in said chamber through interstitial spaces in the material contained therein.

1,486,744. ELECTRIC SWITCH. FOREST H. HARTZELL, Dayton, Ohio. Filed Nov. 14, 1916. Serial No. 131,809. 7 Claims. (Cl. 200—164.)



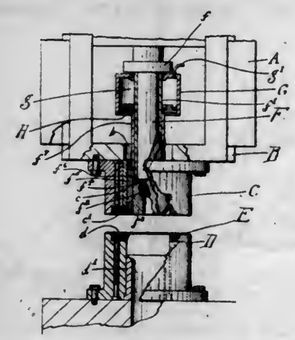
7. An electric switch comprising a plate of insulating material having a circular opening therein, a second plate of insulating material located within the circular opening of the first mentioned plate said plates being relatively rotatable in a common plane, resilient fingers carried by one of said plates and extending beyond the periphery thereof, into overlapping relation with both faces of the other plate, whereby said overlapped plate will be located intermediate the planes of said overlapping resilient fingers, and electrical contacts carried by the overlapped plate, with which certain of the said resilient fingers make contact upon relative rotation of the plates.

1,486,745. INCANDESCENT-ELECTRIC-LAMP GLOBE. LEE HASELTON, Eugene, Oreg. Filed Jan. 28, 1922. Serial No. 532,355. 1 Claim. (Cl. 240—100.)



As a new article of manufacture, a globe for incandescent electric lamps, formed in one piece and closed at one end and having at said end a solid body or bull's eye of clear glass with a convex exterior surface and a plane interior surface and also having frosting between the bull's eye and said open end.

1,486,746. POWER PRESS. JOHN HEISEL, Mount Healthy, Ohio, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 14, 1921. Serial No. 500,489. 4 Claims. (Cl. 113—46.)

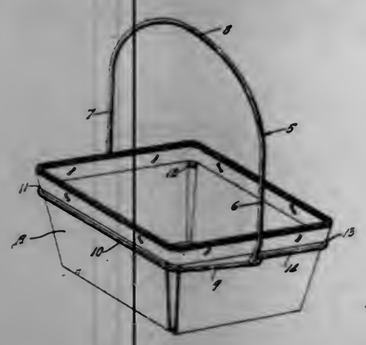


1. In a device of the class described the combination of concentric fixed dies, concentric movable dies, a reciprocating shaft upon which the movable dies are mounted adapted to carry the movable dies into cooperative relationship with the fixed dies, a fluid tank containing fluid under constant pressure, a piston reciprocally mounted in the fluid tank, and means connecting a movable die and the piston, whereby the last mentioned die may yieldingly engage one of the fixed dies during movement of a second of the movable dies.

1,486,747. BASKET CARRIER. LOUIS HIBBARD, Sayre, Pa. Filed Sept. 25, 1922. Serial No. 590,431. 1 Claim. (Cl. 224—48.)

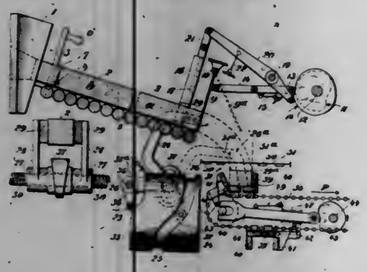
A fruit basket carrier formed from a single length of resilient wire bent intermediate its ends to define an inverted substantially U-shaped bail constituting a handle,

and having its end portions extended laterally in opposite directions and then in parallel relation, with the terminal portions bent inwardly at right angles to said parallel portions and coiled about the lower ends of the bail whereby to define a substantially rectangular frame adapted to receive a basket and to engage beneath the usual



thickened upper edge thereof, the lower ends of the U-shaped bail portion being inwardly offset with respect to the major portion whereby the arms of the bail will clear the upper edge of the basket while the junctures of the arms of the bail with the terminals of the bail will closely hug the basket.

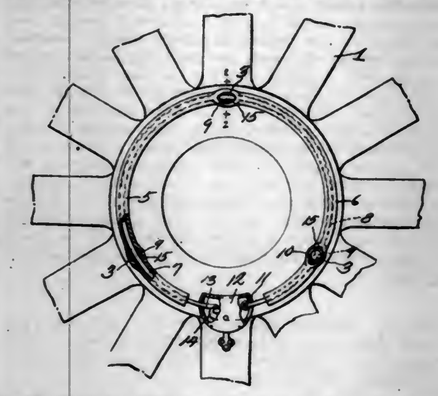
1,486,748. COMBINED MOLDING AND WRAPPING-UP MACHINE FOR BUTTER, MARGARINE, AND THE LIKE. WILHELM HILGERS, Dusseldorf, Germany. Filed Oct. 29, 1921. Serial No. 511,524. 5 Claims. (Cl. 93—2.)



1. A combined molding and wrapping-up machine for butter, margarine, and the like, comprising, in combination, a press adapted to deliver a beam of the material to be proceeded with; a wrapping-up machine arranged in front of the delivery opening of said press on a lower level; a set of rollers so arranged as to be adapted to allow pieces of said beam of material to roll down to said wrapping-up machine; a flap arranged at the lower end of said set of rollers; means located near to the said press and being adapted to cut off a comparatively long piece of the beam of material; and means located near to said flap and being adapted to cut off from said long piece such short pieces as are to be wrapped up.

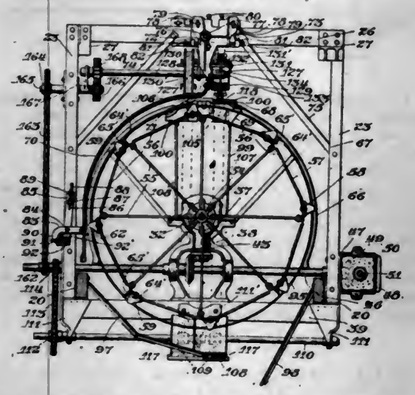
1,486,749. LOCK FOR ODOMETERS. DOYLE HILL, Omaha, Nebr. Filed Oct. 3, 1922. Serial No. 592,128. 2 Claims. (Cl. 235—96.)

1. The combination with a hub odometer, an annular flange carried by said odometer, said flange engaging the outer side of a wheel, securing bolts extending through the wheel and the odometer flange and concentrically dis-



posed, of means connecting the inner ends of the bolts and disposed in engagement with the inner side of the wheel for locking said bolts against removal.

1,486,750. HEMP SCUTCHER. LUD. HOLLAND-LETZ, Oak Park, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 1, 1919. Serial No. 341,756. 15 Claims. (Cl. 19—3.)

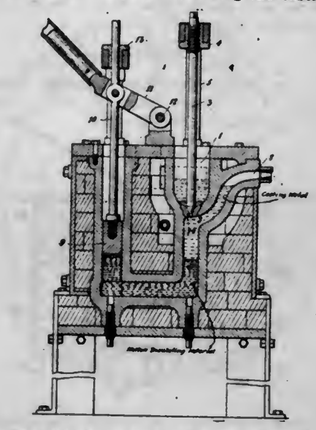


5. A scutching machine, including in combination, a plurality of cleaning members and feeding mechanisms, including a pair of endless conveyors, one of said conveyors being disposed longitudinally with respect to the axis of one of said cleaning members and travelling entirely around said cleaning member, with one lap located in close proximity with the other member, and another of said conveyors traveling entirely around the last mentioned member with one of its laps located in close proximity to the first mentioned member, and the other of said conveyors being positioned above said first-named conveyor and being adapted to cooperate with said conveyor in gripping the fiber between said conveyors.

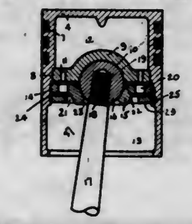
1,486,751. METHOD OF PRESS CASTING AND MEANS THEREFOR. CARL JOHAN HULT, Stockholm, Sweden, assignor to Aktiebolaget Svenska Pressgjuteriet, Stockholm, Sweden, a Corporation. Filed Apr. 22, 1922. Serial No. 556,081. 2 Claims. (Cl. 22—70.)

1. A method of pressure casting consisting in interposing between the molten casting metal and the pressure

medium, a substantial insulating molten material which remains at a lower temperature during the casting operation than the casting metal so as to protect the pressure medium against the high temperature of the casting metal.

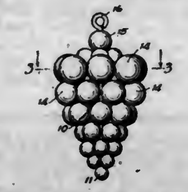


1,486,752. UNIVERSAL JOINT FOR PISTONS. JOHN B. HUMPERT, San Francisco, Calif. Filed Mar. 8, 1922. Serial No. 542,180½. 2 Claims. (Cl. 74—108.)



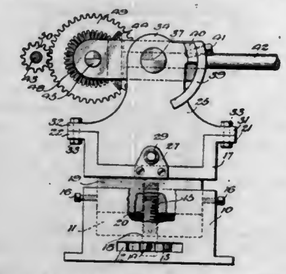
1. A universal joint for a piston and rod, consisting of a concave member adapted to position centrally within the piston, a co-operating ball mounted on the end of the rod, a concave member adapted to enclose the remaining portion of the ball and provided with an opening through which the rod is adapted to reciprocate about the center of the said ball; holding means securing and locking the two said concave members about the ball, said means comprising a washer having a projecting key engaging a slot cut within said piston and a locking nut in screw thread engagement with the said piston, and holding said washer in its locked position.

1,486,753. ORNAMENTING DEVICE. RUFUS C. HYNDS, Brooklyn, N. Y. Filed Feb. 21, 1923. Serial No. 620,493. 10 Claims. (Cl. 41—10.)



1. A device of the character described, comprising a vertical member, a plurality of arms rotatably mounted on the vertical member, and ornaments carried by said arms.

1,486,754. POWER-TRANSMISSION DEVICE. JOSEPH IMPELLIZIERI, Brooklyn, N. Y. Filed Aug. 1, 1922. Serial No. 578,928. 7 Claims. (Cl. 74—101.)



1. An adjustable power transmission mechanism of the character described, comprising a hollow base, a plunger carrying a guide plate mounted in the hollow base, means for operating the plunger along vertical lines, a bearing block slidably mounted in the guide plate, means for adjusting the bearing block in a horizontal plane provided in conjunction with the guide plate, a shaft carried by the bearing block, and means mounted on the shaft for connecting it to a prime mover.

1,486,755. WEEDING TOOL. FRANK INGERSOLL, Hannibal, Mo. Filed Sept. 19, 1922. Serial No. 589,226. 3 Claims. (Cl. 55—65.)



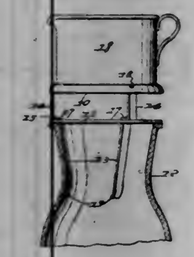
1. A weeding tool having a stem, pivotally mounted cooperating jaws carried by the stem and provided with terminal soil penetrating edges, a sleeve slidingly mounted on the stem, and means actuable by said sleeve for closing the jaws and consisting of arms carried by the jaws and extended longitudinally of the stem and a spreader carried by the sleeve for engagement with said arms.

3. A weeding tool having a tubular stem, cooperating earth penetrating jaws carried by and pivotally mounted upon said stem and provided with cam faced operating arms, a plunger slidingly mounted in the stem and terminally disposed between said jaws, and a sleeve slidingly mounted upon the stem, having a spreader for cooperation with the cam faced jaw operating arms and having a pin and slot connection with said plunger.

1,486,756. CUP STAND FOR LAMPS. JOHN J. JASKE, Michigan City, Ind. Filed Feb. 9, 1922. Serial No. 535,247. 2 Claims. (Cl. 126—258.)

1. A receptacle supporting stand for lamp chimneys having spaced seat and bearing rings and yielding arms depending from the bearing ring for engagement with

the lamp chimney, the bearing arms being extended between and secured to said rings to form spacing mem-

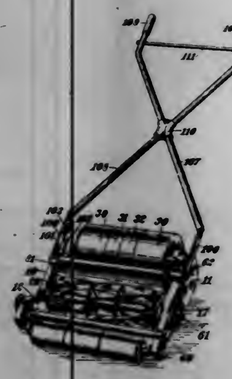


bers or standards, and having outwardly directed shoulders or offsets resting upon and secured to the upper surface of the bearing ring.

1,486,757. METHOD OF AUTOMATIC REGULATION OF THE SUPPLY OF OXIDIZING AGENTS, SUCH AS NITRIC ACID, NITRATE SOLUTION, OR OTHERS IN THE MANUFACTURE OF SULPHURIC ACID. ERNST JENSEN, The Hague, Netherlands. Filed May 31, 1923. Serial No. 642,682. 5 Claims. (Cl. 23—1.)

3. In the process for the manufacture of sulphuric acid by the chamber process the step which consists in maintaining a substantially constant temperature gradient in the reacting gases by varying the supply of oxidizing gases to the chambers.

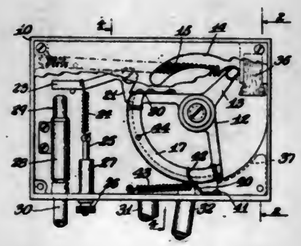
1,486,758. LAWN MOWER. ARTHUR ERNEST JERRAM, Leicester, England. Filed Aug. 16, 1920. Serial No. 403,899. 15 Claims. (Cl. 56—252.)



1. In a lawn-mower the combination of two frame members, a bearing in one of them, a hollow driving-member rotatable in said bearings, a shaft mounted at one end within said driving member and extending therefrom to the other frame-member, a cutting reel supported at one end by and rotatively engaged with said driving-member, and supported at the other end by said shaft, a bearing in said other frame-member for the other end of said shaft, said bearing having an opening to permit endwise withdrawal of the shaft through it from within the cutting reel and driving member.

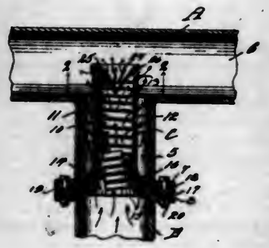
5. In a lawn mower the combination of a driving roller, a sprocket wheel, an epicyclic multiplying gear coupling said driving roller to said sprocket wheel, a rotary cutting reel, a second sprocket wheel operatively connected to said cutting reel and a chain connecting the two sprocket wheels.

1,486,759. FLASH-LIGHT GUN. EVERARD L. JOHNSON, Patchogue, N. Y. Filed Sept. 2, 1922. Serial No. 585,860. 5 Claims. (Cl. 67—28.)



1. A flash-light gun of the class described comprising a suitable casing, a trough at one side of the casing and extending longitudinally thereof, one corner portion of the casing being recessed to provide a pocket opening outwardly into said trough, and said casing being provided with an aperture opening into said pocket and the interior of the casing, and spark generating elements mounted within the casing and adapted to discharge sparks into the pocket and trough of said casing.

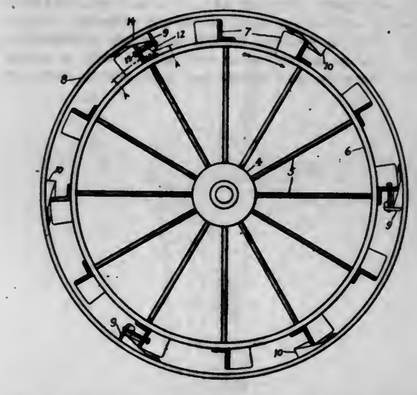
1,486,760. INTAKE-MANIFOLD ATTACHMENT. FRANK A. JOHNSON, Aurora, and JOHN AHLGREN, Batavia, Ill. Filed Mar. 17, 1923. Serial No. 625,806. 5 Claims. (Cl. 48—180.)



5. As a new article of manufacture, a charge refining device for an internal combustion engine comprising a spirally wound body of substantially the same diameter throughout its entire length, a cap carried by the outer end of the body, a pair of clamping plates, compression gaskets disposed between the plates, means for bringing the plates toward each other, and frusto-conical shaped flanges formed on the inner edges of the plates for receiving the inner end of said coiled body.

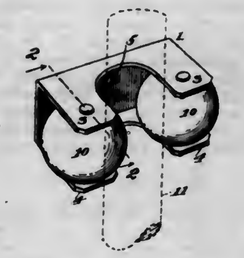
1,486,761. SLIP-OVER TIRE. EDWARD A. JOHNSTON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 9, 1920. Serial No. 387,719. 6 Claims. (Cl. 301—39.)

2. In combination, a wheel provided with traction lugs, a slip-over tire having a plurality of cams on its inner periphery for engagement with the traction lugs, whereby rotation of the wheel in one direction will tend to tighten the tire on the lugs and rotation in the oppo-



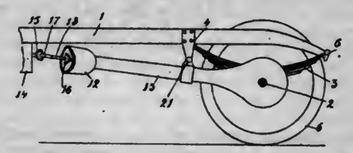
site direction will tend to loosen the tire from the lugs, and means for detachably securing one of the cams to a traction lug.

1,486,762. BROOM RATCHET OR HOLDER. THEODORE S. JONES, Noxen, Pa. Filed Feb. 28, 1923. Serial No. 621,878. 3 Claims. (Cl. 24—249.)



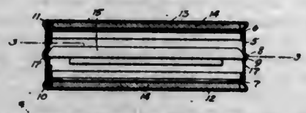
1. In a broom holder the combination of a casing, shafts on said casing spaced transversely of each other and adapted to have a slight longitudinal movement, and balls on said shafts adjustable longitudinally thereof.

1,486,763. SUSPENSION DEVICE FOR AUTOMOBILES OR OTHER VEHICLES. LUCIEN JOUBERT, Paris, France. Filed Oct. 23, 1922. Serial No. 596,533. 3 Claims. (Cl. 180—1.)



1. A suspension for automobiles and other vehicles having springs supporting the frame or body upon an axle and road wheels, comprising a member connected at one end to the axle and having a weight-mass acting on its other end, the said member being connected to the vehicle frame and operative under the influence of said weight-mass to dampen the reactions of the springs, axle and wheels.

1,486,764. VANITY CASE. WILLIAM G. KENDALL, Newark, N. J. Filed Dec. 13, 1922. Serial No. 606,658. 3 Claims. (Cl. 132—83.)



1. A vanity case comprising a body portion having two open sides, a centrally disposed channel formed in said body portion, and a rigid compact carrier, said rigid compact carrier adapted to be removably secured in the channel of the body portion of the vanity case.

1,486,765. REFILL FOR VANITY CASES. WILLIAM G. KENDALL, Newark, N. J. Filed Apr. 23, 1923. Serial No. 634,076. 6 Claims. (Cl. 132—83.)



1. In a vanity case, a body, a strap extending transversely of the body and pivotally connected thereto, and a compact carried by said strap.

1,486,766. BARREL-HEADING PRESS. NOAH S. KIBLER, Woodstock, Va. Filed Feb. 15, 1923. Serial No. 619,151. 2 Claims. (Cl. 147—6.)

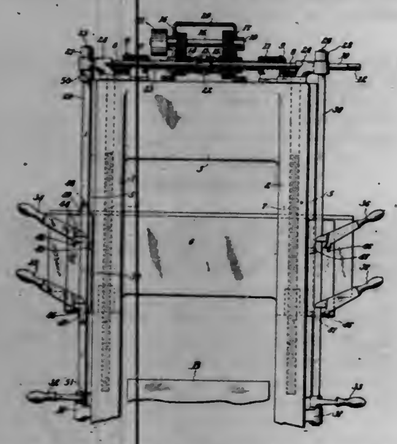


1. A barrel heading press comprising a base, a pivoted supporting frame carried thereby and shiftable to and from vertical position, a releasable device for holding said frame in vertical position, a barrel head carrying and pressure applying plunger element slidably connected with said frame and provided with means for detachably connecting the barrel head therewith for carrying it to closure position with respect to the end of a barrel, means for operating the plunger element in one direction to secure the barrel head in closure position and for operating the element in the opposite direction to separate said connecting means from the barrel head, and means operated from the plunger element for releasing said holding device.

1,486,767. GENERAL SAFETY INTERLOCK. DAVID C. KLAUSMEYER, Cincinnati, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 9, 1923. Serial No. 631,008. 8 Claims. (Cl. 90—87.)

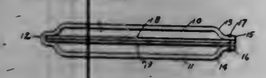
7. In a metal-planing machine, a supporting structure, comprising stanchions and a bridge-member, combined with a cross-head mounted slidingly on ways formed

upon said stanchions; duplex adjusting devices, comprising lead-screws connected with, and rotatable to elevate, said cross-head; a powder-operated shaft on said bridge, geared to actuate said adjusting screws; quadruplex clamping-means, comprising bolts with hand-levers, mounted on, and operable to secure, said cross-head to said stanchions in adjusted position; and in combination therewith, a general safety interlock co-ordinating the operation of said adjusting devices and clamping-means, said interlock comprising duplex rock-shafts extending along said stanchions respectively past said cross-head adjacent to said hand-levers, and connected over-head, for co-rotation, by a link having a power-control element,



each of said rock-shafts having manually operable means by which they may be rocked simultaneously to shift said power-control element into high-speed, low speed and neutral positions, and said interlock comprising also a structure and relative arrangement of said rock-shafts and clamp-hand-levers such that when set to clamp said cross-head to said stanchions, a portion of each of said hand-levers will act to prevent rocking of said shafts, and so that each hand-lever must relax its bolt before said power element can be shifted from neutral position, and conversely none of said hand-levers can be operated to set its bolt, for clamping said cross-head, while said power-control-element is set for movement of said adjusting devices.

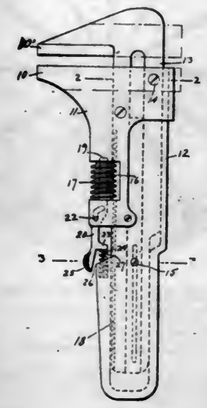
1,486,768. HAIR CURLER. ANNIE KRAKOWIECKA, New York, N. Y. Filed Feb. 9, 1922. Serial No. 535,322. 1 Claim. (Cl. 132—41.)



A hair curler, comprising an open frame, a pair of bars pivotally supported at one end on the frame and adapted to extend longitudinally of the frame, said frame being formed at one end with an offset recess to house the free ends of the bars, said bars normally projecting beyond their pivotal support in contact for a portion of their length and being inherently divergent beyond said point of contact toward their free ends.

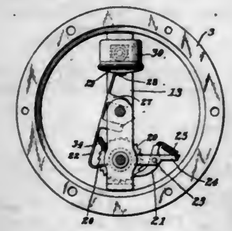
1,486,769. WRENCH. KAZIMIERZ J. KRUKOWSKI, West Hammond, Ill. Filed June 2, 1922. Serial No. 565,369. 1 Claim. (Cl. 81—157.)

A wrench, comprising a fixed jaw and a movable jaw, said fixed jaw having a handle extension and said movable jaw having an extension slidably fitted within said handle extension, said fixed jaw being formed with a rectangular recess to expose a rack formed on the extension of the movable jaw, a worm arranged in said recess to cooperate with the teeth of said rack, a pin rotatably supporting said worm, said pin being extended in part beyond the fixed jaw and formed to provide a handle, to permit endwise movement of said pin at will, a spring arranged between said handle and fixed jaw to move the



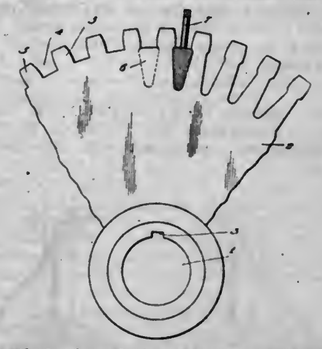
handle and thereby the pin in one direction, said pin being formed with an angularly related slot having a lower portion in parallelism with the pin and an upper portion at an angle thereto, and a member carried by the fixed jaw to engage in said slot, whereby in the movement of the pin by the handle that portion of the pin carrying the worm and the worm is moved laterally to disconnect the worm and rack to permit quick readjustment of the movable jaw relative to the fixed jaw.

1,486,770. GASOLINE REGISTER. HARRY G. LEE, New York, N. Y., assignor of one-third to Wilson E. Porter, New Haven, Conn., and one-third to Richard H. Whitehead, New York, N. Y. Filed Aug. 3, 1922. Serial No. 579,315. 2 Claims. (Cl. 235—91.)



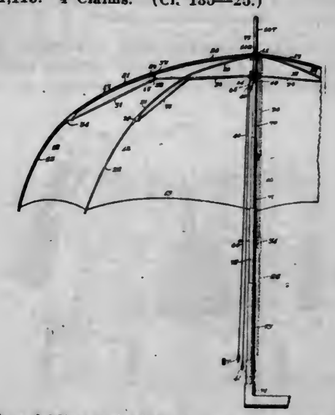
2. In a gasoline register of the character described, a casing, a vacuum cup located in the upper portion of the casing and having a movable diaphragm across its lower side, a shaft journaled in the casing, a dial secured to the shaft, a second shaft journaled in the casing, a ratchet wheel on the second shaft, gears connecting the shafts, and an actuating pawl suspended from said diaphragm and arranged to straddle and engage the ratchet wheel to produce a step by step rotary movement to the ratchet wheel and thereby actuate the said gears, the shafts and the dial.

1,486,771. METHOD OF PRODUCING DEEPER TOOTH SPACES IN TOOTHED WHEELS AND MEANS THEREFOR. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a Corporation. Filed Sept. 19, 1922. Serial No. 589,245. 3 Claims. (Cl. 90—15.)



1. A method of producing deepened tooth spaces in toothed wheels, comprising producing first teeth and tooth spaces of substantially normal shape according to any suitable method and then deepening the tooth spaces by means of an end mill.

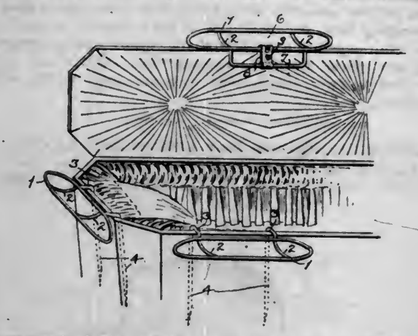
1,486,772. FOLDING UMBRELLA. ANGEL LOPEZ, Brooklyn, N. Y. Filed Nov. 1, 1920. Serial No. 421,115. 4 Claims. (Cl. 135—25.)



1. In a folding umbrella, a stick, a crown held thereon, ribs pivoted on the crown and each made of an inner section, an outer section and a middle section, links connecting the sections with each other, a runner slidable on the stick, braces each made of an inner and outer section, the inner section being pivoted on the runner, a link connecting the sections of the brace with each other, a link connecting the brace link with the link connecting the inner and middle sections of the rib with each other, and a slide connected with the outer end of a brace and adapted to slide over the link connecting the middle and outer rib sections with each other.

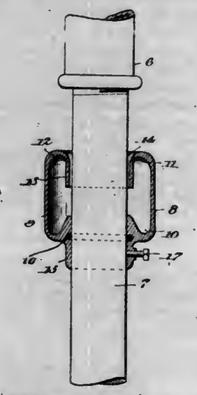
1,486,773. FLOWER RACK FOR BURIAL CASKETS. ALLEN MCCLAIN, Xenia, Ohio. Filed Apr. 22, 1919. Serial No. 291,873. 2 Claims. (Cl. 211—14.)

2. Means for supporting flowers upon a burial casket, comprising a bracket shelf for the flowers adapted to fulcrum upon the edge of the supporting portion of the casket, and angularly disposed legs to be projected beneath the upholstering of the casket to resist the tilting



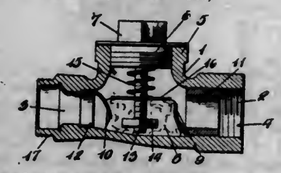
movement of the device upon the edge of the casket under the influence of the weight of the flowers.

1,486,774. OIL COLLECTOR FOR TOOL STOCKS. PHILIP H. MCDERMOTT, New York, N. Y. Filed Aug. 19, 1922. Serial No. 583,027. 5 Claims. (Cl. 10—126.)



1. The combination with a tool stock, of cups mounted on the handles of the stock and each having a plurality of communicating wells, the walls of one of the wells of each cup being curved inwardly toward the adjacent handle and then extended along one side of the handle in spaced parallel relation thereto.

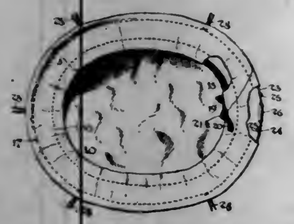
1,486,775. SOAP-MIXING DEVICE. WILLIAM R. MCGRATH, Atlanta, Ga. Filed June 20, 1923. Serial No. 646,642. 1 Claim. (Cl. 299—83.)



A device of the character described comprising a body having inlet and outlet ways therein, a soap receiving and storage chamber within the intermediate portion of said body, oppositely disposed curved baffles fixedly mounted within the chamber adjacent the inlet and outlet ways and adjacent the opposite sides of said chamber, said baffles being of lengths and widths less than the internal area of said chamber and inlet and outlet ways,

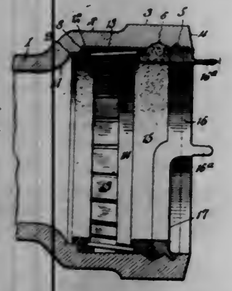
the upper intermediate portion of the body having a neck-like extension formed integral therewith, a closure plug for the open end of said neck-like extension, a shank depending from the inner side of said closure, an adjustable stop engaged with said shank, and a spring pressed follower plate movably engaged with said shank and adapted to have engagement with the soap within said chamber.

1,486,776. COMBINED HAT LINING AND BANDEAU. JANIE A. MCKNIGHT, Lincolnton, N. C. Filed Dec. 3, 1923. Serial No. 678,285. 4 Claims. (Cl. 2—190.)



1. An attachment for hats for the purpose set forth, comprising a crown-shaped lining provided with a pocket at its lower end, an adjustable loop formed of spring wire mounted in said pocket, a bandeau arranged within the lining and projected away from the lower portion thereof and provided with means within its upper end for adjusting its size, means for securing the lower end portion of the bandeau and the lower end portion of the lining together, said adjusting means projecting from the bandeau to provide for the adjusting of said means, and a series of independent removable elements extending through the lower portion of the bandeau and lining in proximity to said loop for detachably securing them in position within the crown of a hat.

1,486,777. PRECALKED JOINT FOR CAST-IRON PIPES AND METHOD OF MAKING SAME. JAMES R. MCWANE, Birmingham, Ala. Filed June 10, 1922. Serial No. 567,334. 14 Claims. (Cl. 285—115.)

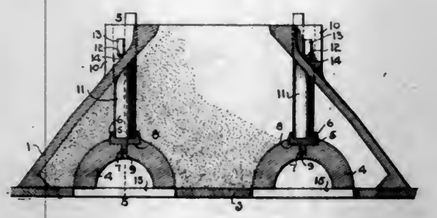


1. A prepared joint for pipe, comprising bell and spigot portions, with a series of filler blocks constituting a backing for the sealing material, fibrous packing material lodged against the filler blocks, and sealing lead at the mouth end of the joint in compacting relation to the fibrous packing material, said lead having substantially one-half of its circumference calked, by compressing the lead against the fibrous packing material.

11. The method of forming pre-calked joints for bell and spigot pipes, consisting in inserting a mandrel within the bell end of one of the pipes and supporting the same in spaced relation, with the inner end of the mandrel abutting the inner end of the belt, then placing packing material within the bell and between it and the mandrel, then pouring lead material into the outer end of the space between the mandrel and the bell so as to cause it to engage the packing material, and then with the mandrel still in position calking the lead material substantially half way around by pressing the lead and forcing the same into the adjacent packing material.

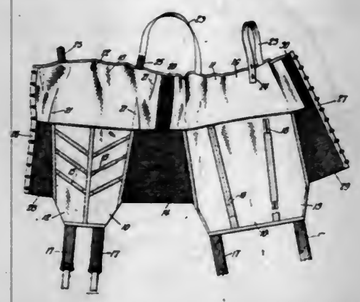
14. A prepared joint for bell and spigot pipes, provided with a sealing lead at the mouth end of the joint, said sealing lead being provided with bendable tongues formed thereon.

1,486,778. MEANS FOR CASTING PIPE. JAMES R. MCWANE, Birmingham, Ala. Filed Oct. 18, 1922. Serial No. 595,391. 19 Claims. (Cl. 219—184.)



1. In means for casting pipe horizontally, a flask and core, means for supporting the intermediate portions of the cores in the flask, including a plurality of chaplets, said supporting means having metal-to-metal contact throughout the cope and drag sections and the core.

1,486,779. GIRDLE BRASSIÈRE. CLARENCE MAYER, Chicago, Ill. Filed Mar. 17, 1922. Serial No. 544,454. 5 Claims. (Cl. 2—73.)

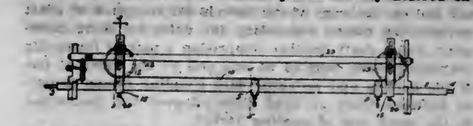


1. A garment comprising a girdle constructed and arranged to encircle the figure from the waist downwardly over the hips; said girdle comprising fabric front and back portions to cover respectively the abdominal and back portions of the figure, and elastic webbing hip-covering portions at the sides secured to said front and back portions respectively and constructed and arranged to conform to the contour of the figure at the hips; one of said elastic webbing portions being divided longitudinally and having cooperating fastening means along its adjacent edges for securing the girdle about the figure.

1,486,780. YARN-GUIDE RECIPROCATING MECHANISM. MAX MAZIK, New York, N. Y. Filed Jan. 17, 1923. Serial No. 613,197. 6 Claims. (Cl. 66—12.)

1. An attachment for a knitting machine provided with a tube bar and two carrying plates, of a flexible member

connected to said plates, and means for moving said flexible member so as to shift said plates to any desired ex-



tent, said means including a multiplying mechanism operated through said tube bar and provided with a pair of winding member for said flexible member.

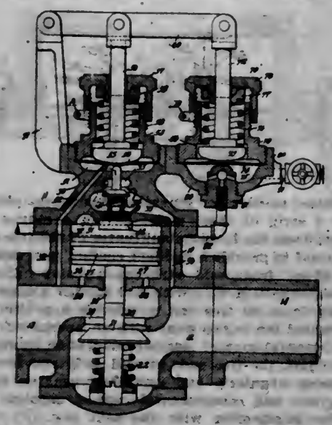
1,486,781. CATALYTIC MATERIAL FOR THE OXIDATION OF AROMATIC COMPOUNDS BY MEANS OF OXYGEN-CONTAINING GASES. JOSEPH V. MEIGS, Montclair, N. J., assignor, by mesne assignments, to Carleton Ellis, Montclair, N. J. Filed Feb. 11, 1919. Serial No. 276,380. 11 Claims. (Cl. 23—28.)

1. A catalyzer mass comprising ferric vanado chromate and adapted for use in oxidizing aromatic hydrocarbons.

9. A catalyzer consisting essentially of a chromate compound of iron, such chromate being in a solid vesiculated condition.

11. A salt of an oxid of a metal of the eighth group of the periodic system having an atomic weight of about 56 to 59, with an acid-forming oxid of a metal of the fifth to sixth groups of the periodic system, such latter metal having an atomic weight between 51 and 96, such salt being in an intumesced condition and capable of serving as a catalyst for oxidation reactions.

1,486,782. COMBINED PRESSURE REGULATING AND GOVERNING APPARATUS. JULES P. METZGER, Carlstadt, N. J., assignor to The Leslie Company, Lyndhurst, N. J., a Corporation of New Jersey. Original application filed Jan. 14, 1920, Serial No. 351,352. Divided and this application filed July 13, 1920. Serial No. 395,987. 5 Claims. (Cl. 181—153.)

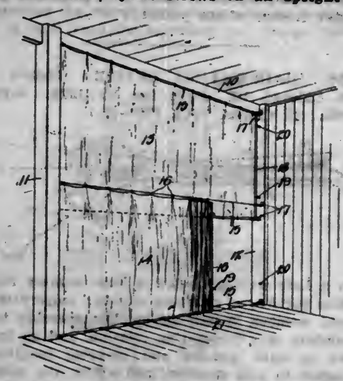


1. A device of the character described including a fluid pressure regulating device, a diaphragm for controlling said device, a casing, a second diaphragm within said casing, an adjusting spring regulating means associated with each of said diaphragms, an equalizing means connected to said regulating device, and fluid pressure means acting upon one of the faces of each of said diaphragms.

1,486,783. PORCH AWNING. HENRY W. MILLER, Miami, Fla. Filed Feb. 12, 1923. Serial No. 618,674. 2 Claims. (Cl. 156—10.)

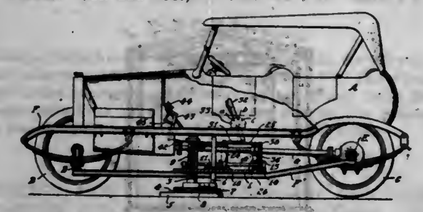
2. A porch awning comprising overlapping upper and lower sections, a pair of guide-wires for each section,

rings at the upper and lower edges of each section slidable on said wires, eyelet screws on an upright at one



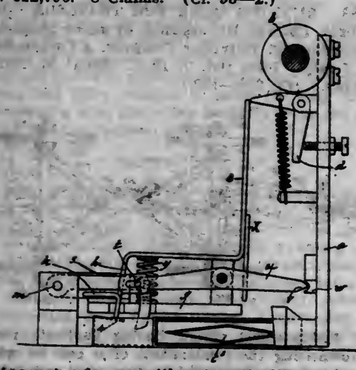
end of the sections and hooks secured to the sections for engagement with said eyelet screws, substantially as set forth.

1,486,784. AUTOMOBILE JACK. MAJOR MINGO, Dodge City, Kans. Filed Nov. 7, 1922. Serial No. 599,558. 8 Claims. (Cl. 254—86.)



4. An automobile jack comprising a frame member adapted to be carried by the vehicle, a counter shaft thereon adapted to be driven from the main driving shaft of the vehicle, means adapted to be connected with the counter shaft to raise the vehicle, manually operated means also adapted to raise the vehicle at will, and means driven from the counter shaft to rotate the vehicle when raised.

1,486,785. FILLING MACHINE AND THE LIKE FOR USE IN THE AUTOMATIC PACKING OF CIGARETTES AND OTHER ARTICLES. WALTER EVERETT MOLINS, London, England. Filed Jan. 15, 1923. Serial No. 612,706. 8 Claims. (Cl. 93—2.)



1. Apparatus for use with automatic filling and packeting machines for the purpose of indicating an improperly

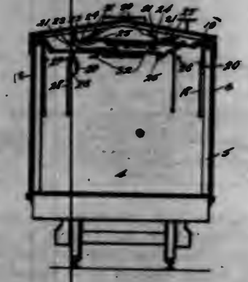
filled packet comprising a detecting member adapted to enter the improperly filled space in a packet to prevent the proper closure of the packet.

1,486,786. HAIR-WAVING DEVICE. JOSEPH MORDNILLA, Chicago, Ill. Filed Jan. 25, 1923. Serial No. 614,863. 13 Claims. (Cl. 132—37.)



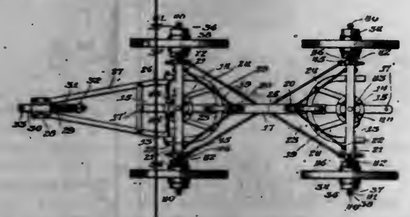
1. In a hair waving device, a base member having a troughlike portion, a clamping member cooperating with said base member, a pair of handles operable to move said members into cooperating relation, and an iron also actuated by said handles and movable longitudinally with respect to said members and within the confines of the trough-like portion of said base member when said members are operated.

1,486,787. INSIDE CAR DOOR. HARVEY H. MOTT, Astoria, Oreg. Filed June 24, 1920. Serial No. 391,374. 4 Claims. (Cl. 20—27.)



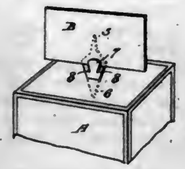
1. The combination with a freight car having a doorway in each side thereof, of suspension hooks carried by the car roof, a door adapted to be swung inwardly for each door-way, each door having a loop on the inner side thereof and a hook whereby the hook of the car may be engaged with the loop of the door and the hook on the other door engaged with the loop of the first mentioned door.

1,486,788. RUNNING GEAR FOR TRAILERS. JAMES A. MOXEY, Chicago, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed Oct. 7, 1918. Serial No. 257,121. 3 Claims. (Cl. 280—102.)



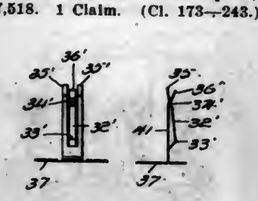
1. A double ended trailer having duplicate running gears comprising the combination of a pair of wheeled axles, a reach bar connected to the axles and extended equal distances beyond them at each end, hounds connected to the axles and having arms the ends of which project beyond the axles, means on the ends of the reach bar and on the arms of the hounds for reception of draft connections, means connecting the axles for joint movement, and a draft member comprising a pair of forwardly converging bars coupled at one end to the arms of one of the hounds and provided with coupling means mounted between their forward ends adapted for connection to the reach bar of another trailer.

1,486,789. CARD HOLDER. LEONARD L. NICKEL, Englewood, N. J. Filed Apr. 18, 1922. Serial No. 554,745. 3 Claims. (Cl. 40—11.)



1. As a new article of manufacture, a card holder formed of a single blank of bendable material having a plurality of oppositely extending points arranged normally in the same general plane and a springy tongue struck from the blank between said points, and associated with one of said points to co-act therewith in the manner of a clamp and to secure a card between said tongue and said one point, the other of said points adapted to penetrate an object to hold the device secured thereto.

1,486,790. SEPARABLE ATTACHMENT PLUG. NORMAN W. NUTT, Trenton, N. J. Filed Sept. 1, 1921. Serial No. 497,518. 1 Claim. (Cl. 173—243.)

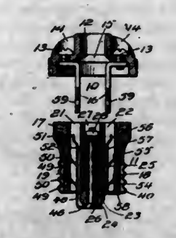


A contact member for separable attachment plugs, comprising a strip of sheet metal having a tongue portion displaced from the longitudinal center of the free end portion thereof to provide a resilient contact jaw, said tongue being off-set from said strip at a point adjacent its point of connection therewith and further angularly bent inwardly from its free end to provide a projecting portion adapted for engagement with an aperture formed in a complemental contact member adapted to be engaged in the said jaw, the free ends of said strip and tongue portions being angularly and oppositely bent or flared for guiding the said complemental contact member into cooperative engagement with the said jaw.

1,486,791. SEPARABLE ATTACHMENT PLUG. NORMAN W. NUTT, Trenton, N. J. Original application filed Sept. 1, 1921, Serial No. 497,518. Divided and this application filed Jan. 12, 1923. Serial No. 612,189. 1 Claim. (Cl. 173—343.)

A contact member for separable attachment plugs, comprising a strip of sheet metal having a plurality of tongue portions displaced from and to one side of the opposite longitudinal edges thereof and arranged to tension the strip into operative contacting position, the free end portion of the said strip being angularly bent in a manner to act as a guide for the cooperative engagement with the

strip of a complementally disposed contact member, and a projection formed on said strip inwardly from the angularly bent end portion thereof and on the side of the same opposite to that from which the tongue portions are

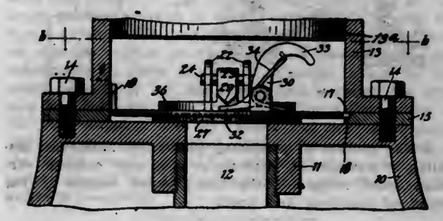


projected, said projection being adapted for engagement in an aperture formed in the said complemental contact member for retaining the same in cooperative contacting engagement with the said strip.

1,486,792. PROCESS OF MAKING A COFFEE SUBSTITUTE. HINRICH OHLHAVER, Sande, near Bergedorf, Germany. Filed Mar. 16, 1923. Serial No. 625,617. 2 Claims. (Cl. 99—11.)

1. A process for the production of a coffee substitute from albumino-starch compounds, consisting in impregnating the compound with a solution of phosphates and heating to temperatures at which the albuminous substances coagulate and the starch is changed into paste, previous to roasting.

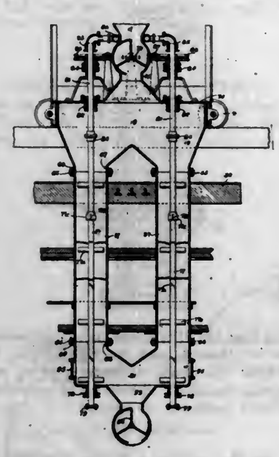
1,486,793. PUMP-VALVE LIFTER. ERNEST DUTTON ORTON, Farmersville, N. Y. Filed Mar. 2, 1922. Serial No. 540,500. 2 Claims. (Cl. 137—34.)



2. The combination with a pump including a plunger and a flap check valve, of means disposed in the path of movement of and engageable by the plunger upon movement of said plunger to the lower limit of its stroke for effecting the opening of said valve to release water imprisoned thereabove, said means comprising an arm extending diametrically across the valve and having a V-shaped lower edge, a trip arm pivotally supported within the pump barrel and having a foot disposed beneath said edge of the arm on the valve, a spring for holding said foot normally out of engagement with the arm, and a terminal projecting above the valve structure and for engagement by the pump plunger to throw the arm against the action of its spring for effecting lifting engagement of the foot with the arm of the valve to open the same.

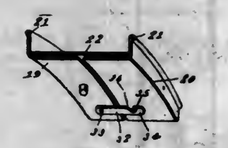
1,486,794. APPARATUS FOR THE TREATMENT OF COAL OR SIMILAR CARBONACEOUS SUBSTANCES. ERNEST OWEN, New York, N. Y. Filed Jan. 28, 1921. Serial No. 440,730. 6 Claims. (Cl. 202—9.)

2. In an apparatus of the character described, a plurality of coking tubes, a furnace having a heating chamber through which said tubes extend, means connected with the heating chamber for utilizing the heat passing therefrom to effect the preheating of the charge prior to the introduction of the same to said coking tubes, means for conveying the charge from the preheater to the tubes, means in each tube for agitating the charge during its



passage therethrough and means in each tube for effecting the collection and removal of the gases evolved therefrom, and means surrounding the lower portion of said tubes disposed exteriorly of the furnace for cooling the residue of the charge prior to its discharge from the tubes.

1,486,795. RIM. HARRY OWEN, Roosevelt, Utah. Filed Jan. 30, 1920. Serial No. 355,272. 1 Claim. (Cl. 301—35.)

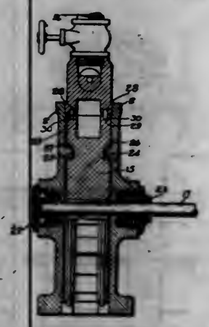


A rim of the character described comprising a pair of detachably secured circumferentially divided sections, means for securing the sections in cooperative association, a ring bridging the secured sections and arranged on the outer side thereof, a plurality of diametrically arranged equi-distantly spaced lugs projecting inwardly from the ring and being adapted to space the ring from the sections and a stud projecting inwardly from one of said sections for the purpose specified.

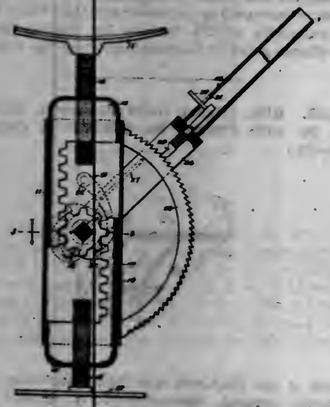
1,486,796. ROTARY MOTOR. RIENZI EVELYN PENISTON, Lake City, Colo. Filed May 10, 1921. Serial No. 468,215. 1 Claim. (Cl. 64—36.)

In a motor of the class described, a casing having aligned openings and provided with tubular bosses surrounding said openings, the bores of the bosses being larger than the said openings and having their outer ends screw-threaded, a rotor in the casing, a shaft upon which the rotor is mounted, said shaft extending through the openings of the casing with one end within one of the tubular bosses and its other end extending beyond the other boss, a bearing sleeve in the inner portion of the bore of

each boss, bearing sleeves on the shaft within the bosses and having flanged outer ends, balls within the said sleeves, a flanged cap screwing into the boss through which the end of the shaft does not project and into engagement with the bearing sleeve therein, a flanged member screwing into the other boss into engagement with the bearing sleeve therein and provided with an opening through which the shaft extends, and a packing box through which the shaft extends and screwing into the opening of said member.



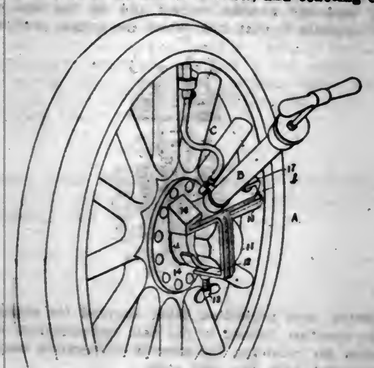
1,486,797. JACK. GEORGE A. PIPER, Bridgewater, S. Dak., assignor of one-half to George W. Laing, Bridgewater, S. Dak. Filed May 18, 1923. Serial No. 639,841. 5 Claims. (Cl. 254—95.)



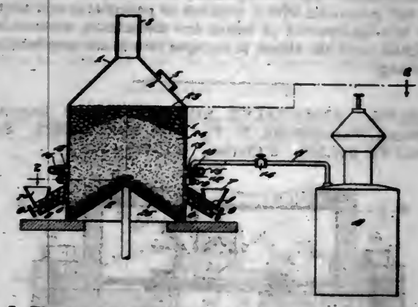
1. A jack including a hollow body oblong in cross section and formed in one piece to present walls of unbroken continuity in cross section, heads fitting in the body at the top and bottom to lie adjacent to the walls thereof at all sides, rack bars on said heads disposed oppositely and lying in the opposite ends of the body to have guided movement in the latter, said heads having threaded bores coaxial with the body, a threaded stem engaging in said bore of the lower head, a base plate from which said stem rises, a load element, a stem threaded into the bore of the upper head and carrying said load element, a pinion disposed between and meshing with said rack bars, and means to turn said pinion.

1,486,798. PUMP-SUPPORTING ATTACHMENT FOR VEHICLES. VOLNEY GLASS REED, Osmond, Nebr. Filed Mar. 13, 1923. Serial No. 624,783. 6 Claims. (Cl. 103—218.)

1. A pump supporting attachment for wheels comprising a transverse head forming a pump seat, a yoke supporting said head and adapted to be disposed with its lower end beneath the hub of a wheel, and coacting clamp means on the under side of said head and on said yoke at the lower end.



1,486,799. PROCESS OF GENERATING GAS. JAMES HENRY REID, Readsboro, Vt., assignor to International Nitrogen Company, Cleveland, Ohio, a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,498. 8 Claims. (Cl. 48—202.)

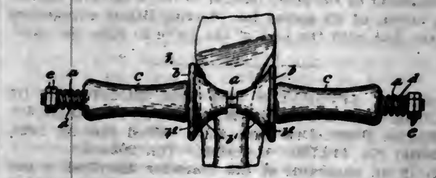


5. The process of producing gas which comprises distilling a mixture of bituminous coal and calcium carbonate, and subjecting the incandescent residue to the action of acetylene and water.

1,486,800. WATER-RESISTANT ROPE. FELIX RIESENBERG, Tuckahoe, N. Y. Filed Apr. 24, 1923. Serial No. 634,327. 1 Claim. (Cl. 19—145.)

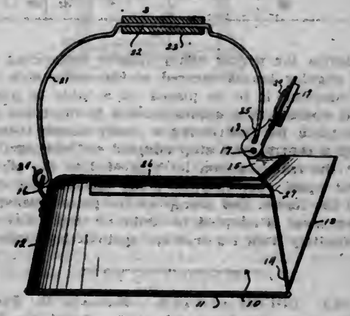
The method of forming waterproof cordage which consists of combining with the fiber from which the cordage is formed and in spun relation therewith, down of the "*Ceiba pentandro*" and known as "kapok."

1,486,801. SHOE-SHANK FORMER. JOSEPH E. ROUSSEAU, Haverhill, Mass. Filed May 1, 1922. Serial No. 557,498. 5 Claims. (Cl. 12—34.)



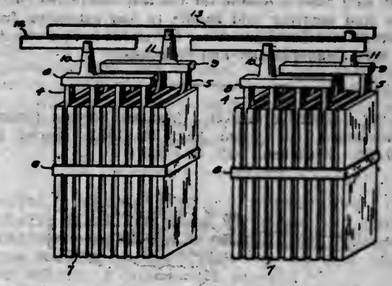
5. A tool for forming the shanks of shoes comprising a shaft, a pair of rolls mounted on said shaft and axially movable thereon from a normal position in which their adjacent ends abut, said rolls having corresponding, longitudinally concaved shank-forming surfaces tapering from their opposite to their abutting ends and extending continuously from one to the other when in said normal position, a pair of handles mounted for axial movement on said shaft and respectively engaged at their adjacent ends with the opposite ends of said rolls, the opposite end portions of said handles being chambered and having coiled springs arranged therein about said shaft, so that the adjacent ends of the springs engage the handles at the bottoms of the chambers thereof, and means on the shaft to engage the opposite ends of the springs to hold them under tensional engagement with the handles.

1,486,802. TEAKETTLE. BENJAMIN R. ROYER, Dodge City, Kans. Filed Oct. 13, 1923. Serial No. 668,321. 1 Claim. (Cl. 53—9.)



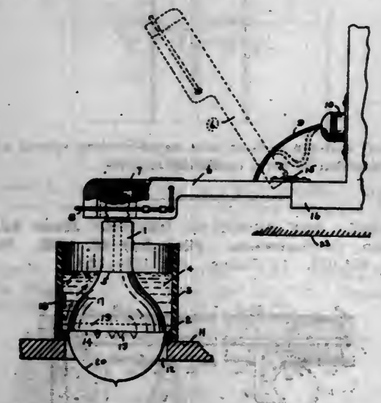
A kettle comprising a shell-like body having a closed top, a spout on one side thereof having communication with the interior of the kettle through the body at the lower portion thereof, a steam escape pipe located entirely within the top of the body having one end about an opening formed in the side wall of the body and communicating with the spout whereby steam in the upper portion of the body may pass through the pipe and into the spout, said pipe extending diametrically of the body adjacent the top thereof and having its opposite end disposed adjacent the portion of the wall of the kettle remote from the spout whereby passage of water through the pipe to the spout upon tilting of the kettle is prevented.

1,486,803. METHOD OF CONNECTING STORAGE BATTERIES FOR ELECTROLYTIC FORMATION. FRED D. RUCKMAN, Cleveland, Ohio. Filed Jan. 17, 1921. Serial No. 437,686. 4 Claims. (Cl. 204—29.)



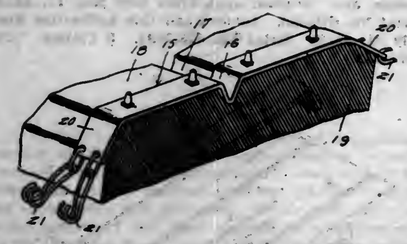
2. The method of manufacturing and charging a series of storage battery plates wherein the positive and negative terminals of the plates are connected to bus bars which includes the steps of casting terminal posts to obtain bifurcated upper ends thereon, autogeneously welding the terminal posts to the plates and connecting the welded plates to the bus bars by compressing and deforming the bifurcated portion of the terminal post whereby connections of intimate contact are formed between the bus bars and the terminal posts without resorting to lead burning or welding.

1,486,804. APPARATUS FOR SILVERING. CHARLES H. RUDDE and GEORGE M. D. SHADWICK, San Francisco, Calif. Filed Aug. 19, 1922, Serial No. 583,000. Renewed Jan. 14, 1924. 3 Claims. (Cl. 91—12.4.)



2. Apparatus for silvering an incandescent lamp consisting of a cup provided with an open bottom having a soft gasket adapted to snugly hold the equatorial portion of an incandescent lamp and leaving a portion of the glass surface exposed within the cup and above the lamp filament, and movable contacts adapted to engage and energize the lamp.

1,486,805. NONSKID DEVICE. HOWARD SAMUELS and ROBERT BRIGGS, Delhi, N. Y. Filed Apr. 4, 1922. Serial No. 549,422. 1 Claim. (Cl. 152—14.)

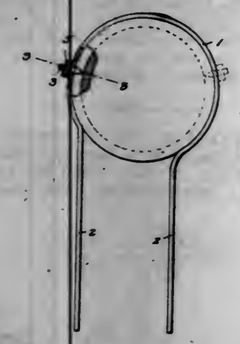


An anti-skid device comprising a bar, said bar bent to provide a V-shaped inwardly deflected portion midway its length, said V-shaped portion adapted to fit snugly within the V-shaped groove in the tread of a double tread tire, traction lugs carried by the portions of the bar intermediate the V-shaped portion and the ends of the bar, and said bar having its end portions inwardly and laterally inclined to snugly engage the inclined edges of the tire.

1,486,806. PISTON-GROOVE CLEANER. ARVINE SHEPARD, Duncan, Okla. Filed May 7, 1920. Serial No. 379,580. 2 Claims. (Cl. 15—104.01.)

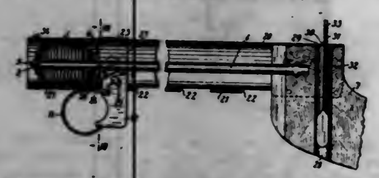
1. A piston groove cleaning tool comprising a resilient, curved scraper carrying member adapted to partly en-

compass a piston, a scraper mounted on said carrying member and normally urged inwardly by the resiliency



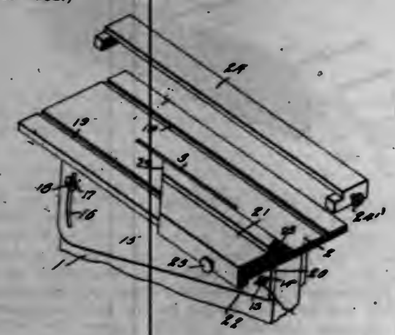
thereof, and the ends of said member being spaced apart and extended to form operating handles.

1,486,807. TOY SHOOTING DEVICE. JOSEF SKÁLA, Pizen, Czechoslovakia. Filed July 16, 1923. Serial No. 651,933. 12 Claims. (Cl. 124—12.)



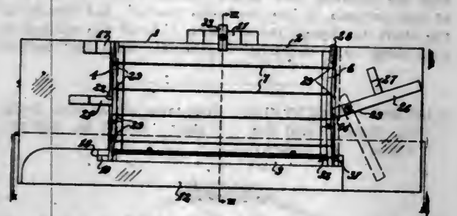
1. A shooting device, comprising a coiled spring projectile, a carrier concentrically disposed relatively to the projectile, said carrier affording an abutment for engagement by the forward end of the projectile, means for applying tension to the projectile in opposition to the abutment and means for releasing the tensioned projectile.

1,486,808. PORTABLE SAW. CURTIS E. SMITH, St. Joseph, Mo. Original application filed May 17, 1921, Serial No. 470,333. Divided and this application filed July 31, 1922. Serial No. 578,719½. 5 Claims. (Cl. 143—132.)



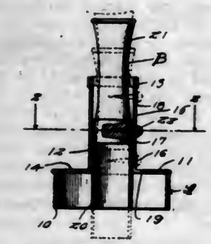
1. In a portable saw, a housing, a bed plate mounted on the housing and adjustable vertically and longitudinally of the top of said housing, longitudinal grooves in the bed plate, a mitre gage having a depending tongue slidable in a groove, means on the gage embracing a longitudinal edge of the bed plate and cooperating with said tongue sliding in the groove for maintaining said gage in position on the bed plate, said gage having an an inclined face adapted to support a piece of material to be sawed and a saw slot centrally disposed in the bed plate and in line with the inner edge of the gage.

1,486,809. FRAME-WIRING DEVICE. LOUIS E. STARR, Santa Paula, Calif. Filed Mar. 20, 1922. Serial No. 547,910. 1 Claim. (Cl. 140—93.)



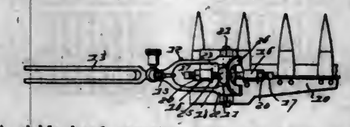
A device for wiring honey frames comprising a base plate, angular braces secured to the under side of said plate adapting it to be placed on a table to present a slanted working face, guides secured to the upper surface of the plate for positioning a honey frame thereon including a central end stop adapted to bear against one end of the frame, a cam lever pivoted to the plate, and adapted upon operation to press against the opposite end of the frame, and a stop on the plate against which the cam lever is adapted to strike to stop its movement and definitely limit its pressure against the frame.

1,486,810. DOUGH CUTTER. WALLACE W. STAUFFER, Akron, Ind. Filed Oct. 27, 1922. Serial No. 597,332. 2 Claims. (Cl. 107—51.)



1. A cutting article of the class described including a cutter having a depending cutting wall, a disk from which said wall depends, a tube rising from said disk and provided with an elongated slot and branch slots extending therefrom, a cutter slidably and axially movable in said tube, a handle for the last mentioned cutter, and a stud securing said handle to and extending from the second mentioned cutter for movement in and coaction with said elongated slot and branches.

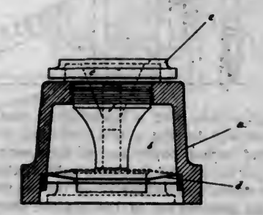
1,486,811. SICKLE HEAD. CHARLES BENTON STRANG, Lindenwood, Ill. Filed Aug. 29, 1921. Serial No. 496,623. 3 Claims. (Cl. 56—303.)



2. A sickle head carrying a journal block, a pitman engaging clip, and a link connecting the clip with the journal block, the journal block having a longitudinal axis of movement on the pitman head, and the link having a transverse axis of movement with relation to the

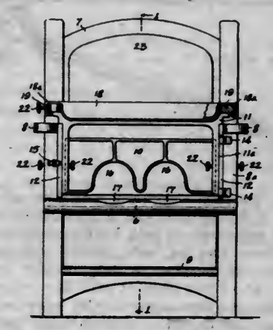
journal block and having a pivotal connection with the said clip with the axis of said movement in a plane perpendicular to the axis of the movement with respect to the block, the link being of looped construction arranged in straddling relation with the block, and provided at its inner end with an upwardly directed looped guard finger.

1,486,812. INK BOTTLE AND INK POT. GEORGE SWEETSER, London, England. Filed June 24, 1922. Serial No. 570,561. 2 Claims. (Cl. 120—63.)



1. An ink pot and well, comprising a reservoir having its lower inner surface enlarged forming an annular shoulder spaced from the lower end and provided with an opening in its top, an elastic diaphragm secured upon the shoulder, an ink well extending into the reservoir, and a removable cover for the ink well, said cover being smaller than the enlarged lower end of the reservoir and upon which, when removed, the reservoir is adapted to be placed with its diaphragm in contact therewith, substantially as and for the purpose set forth.

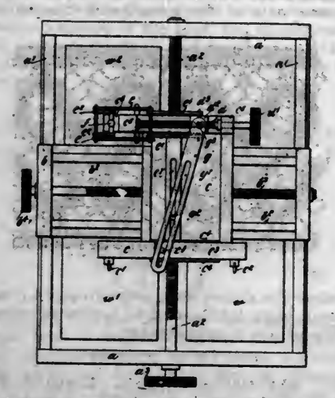
1,486,813. CHAIR. JOHN ATLEE TALLMAN, Toledo, Ohio. Filed Mar. 20, 1923. Serial No. 626,335. 5 Claims. (Cl. 155—189.)



1. In a chair for a child, the combination with a seat member and a superstructure comprising back and side retainers for such seat member, of an auxiliary superstructure adjustable on the first-mentioned superstructure, a tray structure horizontally slidable on said auxiliary superstructure, and a stock structure vertically slidable on said auxiliary superstructure.

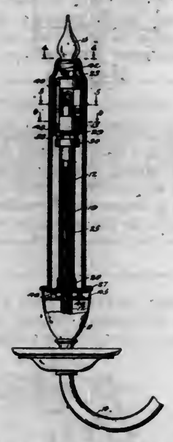
1,486,814. MECHANICALLY REPRODUCING PORTRAITS IN RELIEF FROM STEREOSCOPIC PHOTOGRAPHS. ELIZABETH EDITH TOWNSEND, Northdown, near Margate, England. Filed Nov. 25, 1922. Serial No. 603,380. 6 Claims. (Cl. 41—25.)

1. A method of reproducing a copy of the surface of a three-dimensional figure, in the round, in relief or in intaglio from a pair of stereoscopic photographs of said figure characterized in that means utilizing the detail in one photograph are employed to control the movements of the cutting tool of a carving machine in two dimensions (e. g. height and breadth) and means for utilizing



the variations between the two photographs to control the movements of the tool in the third dimension (e. g. depth), as set forth.

1,486,815. ELECTRIC FITTING. JOHN THOMAS TROTTER, Brooklyn, N. Y. Filed Apr. 28, 1922. Serial No. 557,154. 4 Claims. (Cl. 173—349.)

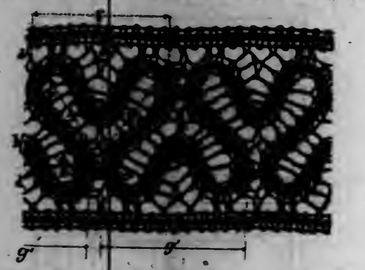


1. A device of the character described comprising a tubular member, a second tubular member rotatably mounted thereon, an insulated block carried by said first-mentioned tubular member, electrical conductors extending through the first-mentioned tubular member, a lamp socket carried by said block, a plurality of contact plates carried by said block, one of said conductors being in circuit with the lamp socket, the other conductor being connected to one of said contact plates, and means carried by the second-mentioned member and adapted upon rotation thereof to engage two of the contact plates and establish a circuit from the conductors through the lamp socket.

1,486,816. MACHINE-MADE LACE. EMIL BÖSEBECK, Barmen, and EUGEN TÜRCK, Langerfeld, near Barmen, Germany. Filed Aug. 26, 1921. Serial No. 495,725. 4 Claims. (Cl. 96—24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

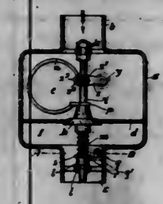
1. An all-machine-braided lace, comprising a groundwork and an element resembling a continuous miniature ribbon of substantially uniform width and texture

throughout, running sinuously to and fro within the lace, said ribbon-like element being formed integral with said ground-work, part of the ground-work threads, at the



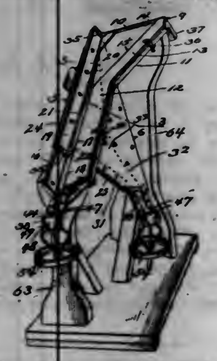
points where the ground-work is interrupted by said ribbon-element, being interbraided in a manner corresponding to the texture of said element.

1,486,817. EXPLOSION ENGINE. HERMANN WARTENBERG, Charlottenburg, near Berlin, Germany. Filed Oct. 18, 1922. Serial No. 595,307. 9 Claims. (Cl. 236—93.)



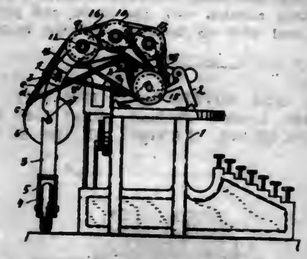
1. In a device of the character described, the combination with a casing, of a valve adapted to control the passage through said casing, a resilient member acting to yieldingly support said valve, a valve rod loosely carrying the valve, and a thermostatic member connected with said rod and mounted in the casing to act upon the valve in counteraction to the action of the said resilient member.

1,486,818. WASHER SORTING AND ASSEMBLING DEVICE. LEO S. WHITEHEAD, Akron, Ohio. Filed July 11, 1922. Serial No. 574,336. 9 Claims. (Cl. 83—92.)



1. In a washer sorter and assembling device of the class specified, a main chute disposed at an angle of inclination for gravitating operation and provided with an inlet opening at the upper end, and a laterally projecting chute intersecting the main chute at an angle and having communication with a portion of one side of said main chute, both chutes being provided with lower independent outlet means.

1,486,819. TYPEWRITER ATTACHMENT. WILLIAM H. WIRM, Grand Rapids, Mich. Filed May 8, 1922. Serial No. 559,468. 3 Claims. (Cl. 197—127.)



1. In combination with a typewriting machine, and an auxiliary carriage having a reel arranged to carry writing paper and carbon paper and to feed such paper properly to the platen on the machine, said auxiliary carriage arranged to move longitudinally of the machine with the corresponding movements of the platen, shafts revolubly mounted upon said auxiliary carriage for receiving and storing each used sheet of carbon paper separately from the others, a pulley mounted upon the end of each of said shafts and a corresponding pulley mounted upon the platen shaft, a belt engaging said pulleys in such a manner that the revoluble movements of the platen will revolve all of said shafts, said shafts so arranged that the several used sheets of carbon paper may be automatically separated from each other after printing, and each sheet stored upon its respective shaft and the printed paper may be stored separately from the carbon paper.

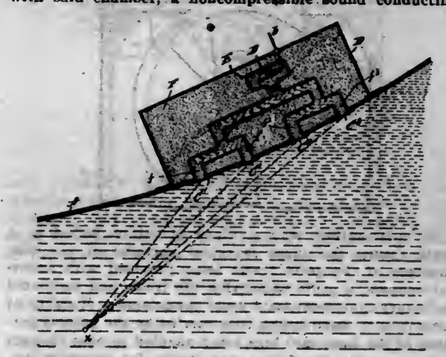
1,486,820. WRECKING TOOL. JAMES LOUIS WILDER, Concord, N. H. Filed Jan. 11, 1922. Serial No. 528,482. 1 Claim. (Cl. 254—25.)



A tool of the class described consisting of a metallic bar having a handle portion, a tool member disposed transversely relatively to said handle portion, the longitudinal median line of said handle portion passing through said tool member, a substantially semicircular crook offset out of and open at said line connecting said handle portion and tool member, the outer main surface of said tool member being substantially flat from the distal end of said tool to said line and being in a plane substantially at a right angle to the handle, the outer curved surface of the crook merging into said flat main wall substantially at said median line, the inner surface of said tool member extending from substantially said line towards the first surface to provide a chisel, and said tool member having its distal end on the side of said line opposite to the crook and being widened and having a slot to permit it to function as an extracting claw.

1,486,821. SUBMARINE SIGNALING. ROBERT L. WILLIAMS, Newton, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Apr. 25, 1918. Serial No. 230,802. 6 Claims. (Cl. 181—26.)

5. In a device for determining the direction of subaqueous sound signals, a plurality of receiving units mounted on the port and starboard side of a vessel, positioned so as to be screened from one another by the vessel itself, a plurality of diaphragms spaced substantially in a horizontal plane in the skin of the vessel, a plurality of sound conducting tubes, said diaphragms each closing an end of a conducting tube, a receiver, a chamber, said receiver being positioned in said chamber, the other end of said conducting tubes communicating with said chamber, a noncompressible sound conducting



medium connecting said receiver with said diaphragms through the sound conducting tubes, the length of said conducting tubes being proportioned so that only sounds from directly ahead of the vessel will be transmitted in phase to the receiver whereby the direction of the sound source may be determined by both port and starboard receivers or either receiver.

1,486,822. NECKTIE. ISADORE DAVID WOLFSON and FAY EVELYN WOLFSON, New York, N. Y. Filed Oct. 17, 1922. Serial No. 595,119. 7 Claims. (Cl. 2—11.)



1. As a new article of manufacture, a necktie including terminal members formed of flexible material arranged in two plies, and a continuation of one of said terminal members constituting a band for connecting the terminal members, said continuation being adjustable to vary the length of the necktie and including two plies of flexible material, one of which is an integral prolongation of one of the plies of the last-mentioned terminal member and the other of which is a strip of flexible material stitched at one end to the inner end of the other ply of said member and stitched at its sides to the sides of said prolongation, said strip being of thinner material than the material of either of said plies.

1,486,823. GOLF CLUB. EDWIN C. ALLEN, Chicago, Ill. Filed Nov. 6, 1922. Serial No. 599,423. 14 Claims. (Cl. 46—4.)



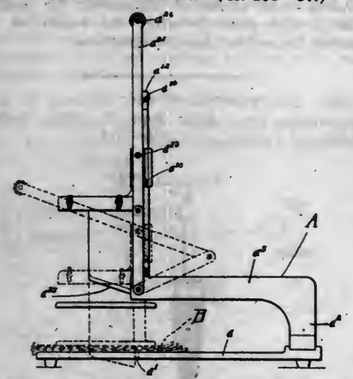
4. A golf club including a shaft, a head provided with two striking faces arranged so that when either face is in a substantially horizontal position the other face is in striking position and having its weight distributed so that the center of gravity thereof is disposed substantially different with respect to the ball striking point in the several positions of the head, and an adjustable connection between the shaft and head permitting adjustment of the head to position either striking face in striking position.

1,486,824. SELF-ADJUSTING DOORKNOB. AUGUSTUS ANDERSON, Terre Haute, Ind. Filed July 28, 1922. Serial No. 578,254. 1 Claim. (Cl. 292—352.)



A device of the class described comprising a knob and its shank with a longitudinally directed socket and a laterally directed guideway in the shank communicating with the socket and an obliquely directed guideway communicating with the laterally directed guideway, a spindle movable in the socket and having a plurality of ratchet teeth, a plug movably engaging in said laterally directed guideway and with a tooth at the inner end to engage the teeth of the spindel one at a time and laterally enlarged at the outer end to bear upon the shank when in operative position to hold the plug from abnormal inward movement, said plug having a V shaped recess registering when in one position with the obliquely directed guideway, a spring within the guideway and engageable at one end in the recess of the plug, and means for holding said spring within the guideway.

1,486,825. MACHINE FOR SLITTING PLIES OF FABRICS. DAVID B. ASHMAN, Baltimore, Md., assignor to The Goldberg Padding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 28, 1921. Serial No. 503,762. 8 Claims. (Cl. 164—57.)

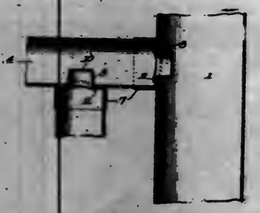


1. In a device for slitting plies of fabrics the combination with a flat base having two spaced apart tubes extending vertically thereabove, of a knife support having a tubular bearing at each end which bearings slide on the exterior of the tubes so as to sustain the support in horizontal position between the tubes, means to reciprocate the knife support upon the tubes, and a depending knife mounted on the support.

1,486,826. METAL FITTING. WILLIAM J. ATKINSON, Atlanta, Ga. Filed June 28, 1923. Serial No. 648,260. 8 Claims. (Cl. 5—283.)

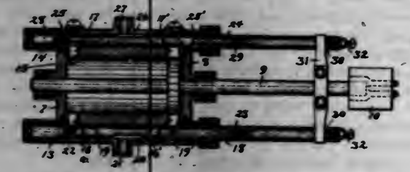
1. A fitting for the tubular members of metal beds and the like comprising, in combination, a cup shaped, sheet metal ferrule having an opening in its lower end, and a

tapered extension secured in said opening adapted to enter and be held in frictional engagement with the wall of an opening of the same shape in a transverse tubular



element, said ferrule having a curved bottom to conform to the periphery of the tubular element adjacent said extension.

1,486,827. DRIVING MECHANISM FOR ORE CONCENTRATORS. EDWARD A. BARNES, Fort Wayne, Ind., assignor to The Deister Concentrator Company, a Corporation of Indiana. Filed Feb. 12, 1919, Serial No. 276,518. Renewed July 30, 1923. 2 Claims. (Cl. 121—164.)



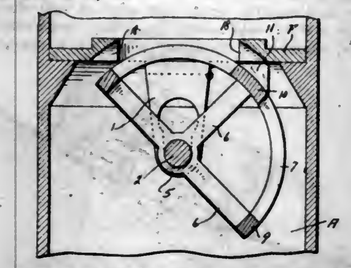
1. In apparatus of the class described, a driving-head with piston rod a cylinder with a reciprocating piston therein and feed and exhaust valves through which fluid under pressure is applied to and exhausted from the cylinder; an actuating bar fixed on the piston rod and having independent driving relation respectively with said valves; and means of adjustment for each valve adapted to independently effect the regulation of the movements thereof in opposite directions.

1,486,828. DISPENSING PUMP. HAROLD W. BARNES, Indianapolis, Ind. Filed Sept. 7, 1922. Serial No. 586,598. 6 Claims. (Cl. 103—218.)



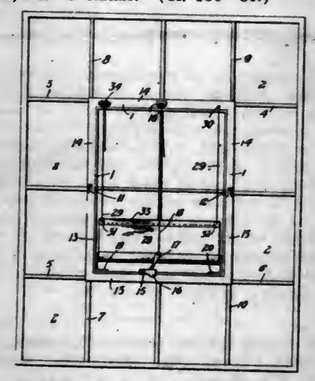
1. In a dispensing pump, the combination with a pump structure having a barrel, of a sleeve through which said barrel is movable, a collar associated with the sleeve and means for distorting the collar to lock the sleeve in engagement with said barrel.

1,486,829. REVOLVING GRATE AND FRAME FOR STEEL RANGES. JULES A. BASTIEN, Gloucester, N. J. Filed Dec. 9, 1922. Serial No. 605,853. 1 Claim. (Cl. 126—177.)



In combination with a stove structure including a grate frame, the inner marginal portions of the side members of the grate frame being provided with undercut recesses, a grate underlying the frame and supported for rotary movement, said grate comprising a plurality of arcuate bars, outstanding lugs carried by the central portions of the bars, said lugs being adapted to pass through the recesses of the frame, and means for normally limiting the movement of the grate with respect to the frame, said bars having portions at all times extending partially within the frame but below the upper surface of the adjacent portions of the frame, the lugs being of a length to extend above the frame when moving between the side members of the frame.

1,486,830. SHADE FITTING. AUSTIN D. BRIXEY, New York, N. Y., assignor to Ordinator Company, Inc., a Corporation of New York. Filed Mar. 8, 1917. Serial No. 153,230. 6 Claims. (Cl. 156—30.)

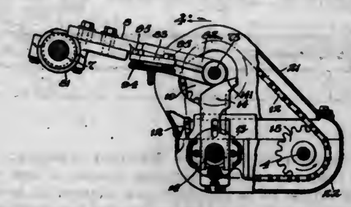


6. The combination with a window sash, of shade roller brackets secured to the interior of the sash, said brackets each having a foot and a support extending at substantially right angles therefrom, said support having its free end laterally offset outside the planes normal to said foot and passing through the edges thereof, the right angled portion of each bracket being fitted into a corner of the said sash with the offset portion extending away from the window pane.

1,486,831. CHAIN-DRIVE MECHANISM FOR BOBBIN SHAFTS OF ROVING FRAMES. HARRY BROOK, Woonsocket, R. I., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I., a Corporation of Rhode Island. Filed Oct. 29, 1923. Serial No. 671,404. 2 Claims. (Cl. 118—41.)

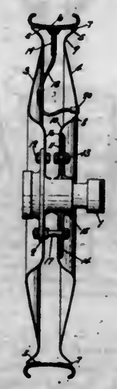
1. Bobbin-shaft chain-drive mechanism for roving frames comprising in combination with the two bobbin-

shafts of a roving frame, sprocket-wheels respectively fixed on the respective bobbin-shafts, a sprocket-wheel connected with the sleeve of a roving frame compound, an intermediately located jackshaft, sprocket-wheels on



said jackshaft, a sprocket-chain extending from the sprocket-wheel of the compound to one of those on the jackshaft, and a second sprocket-chain connecting another sprocket-wheel on the jackshaft directly with each of the sprocket-wheels upon the respective bobbin-shafts.

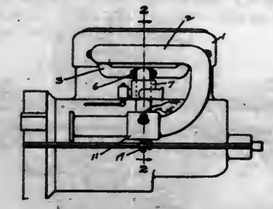
1,486,832. VEHICLE WHEEL. GEORGE F. DRADY, Dayton, Ohio, assignor to The Dayton Disc Wheel Company, Dayton, Ohio, a Corporation of Ohio. Filed June 6, 1922. Serial No. 566,248. 6 Claims. (Cl. 301—63.)



1. In a vehicle wheel, a pair of oppositely disposed discs spaced apart, the outer faces of the discs being convex but having external concave central depressions, inturned peripheral flanges on the discs converging slightly inwardly, an annular rim, said flanges having a wedging engagement within the inner circumference of the annular rim, a flanged hub extending centrally through the discs with its flange bearing against the outer face of one disc within the central concave depression thereof, bolts connecting the hub flange to the adjacent disc independent of the opposite disc, a collar surrounding the hub and bearing against the outer face of the other disc within the external concave depressions thereof, bolts connecting said collar to the adjacent disc independent of the opposite disc and a plurality of additional bolts extending through both discs and connecting the hub flange and the collar by the adjustment of which the discs are drawn one toward the other to force the tapered flanges of the disc deeper within the annular rim upon which they exert radial expanding pressure, substantially as specified.

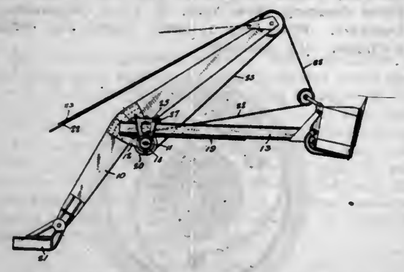
1,486,833. METHOD AND MEANS FOR VAPORIZING FUEL IN INTERNAL-COMBUSTION ENGINES. GEORGE LAWRENCE ERTS, New York, N. Y. Filed Aug. 25, 1921. Serial No. 495,275. 12 Claims. (Cl. 123—122.)

1. The method of vaporizing liquid fuel for an internal combustion engine which consists in mixing fuel with air, segregating unvaporized portions of the fuel and then agitating the segregated portions without substantial



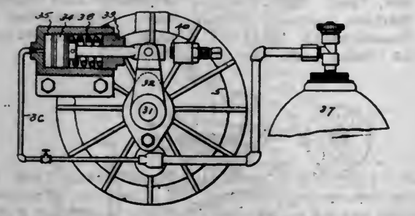
atomization by passing therethrough a gas whereby the same are vaporized and again mixed with the air.

1,486,834. SADDLE-BLOCK STRUCTURE FOR POWER SHOVELS. MITCHELL L. FYKSE, Milwaukee, Wis., assignor to Bucyrus Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 21, 1923. Serial No. 620,369. 7 Claims. (Cl. 214—135.)



1. In a power shovel the combination of a boom, a bifurcated dipper handle having limbs straddling said boom, a pair of separate saddle block structures, one at each side of said boom overhanging a limb of said dipper handle, a shaft carried by said boom supporting said dipper handle and connecting said saddle block structures to retain them in proper working relation with respect to said dipper handle.

1,486,835. ROTARY PUMP. EBENEZER HILL, Norwalk, Conn. Filed Oct. 12, 1922. Serial No. 594,028. 16 Claims. (Cl. 230—30.)

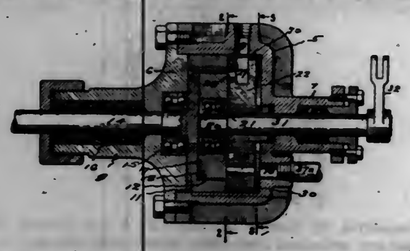


1. A rotary pump comprising a casing having intake and discharge openings, co-acting pump gears rotatable in the casing, a valve plate with intake and discharge ports in the casing, and means for altering the relation of the discharge port to the compression spaces between the gear teeth.

1,486,836. ROTARY-PUMP PRESSURE CONTROL. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 28, 1923. Serial No. 635,372. 13 Claims. (Cl. 230—30.)

1. A rotary pump comprising a casing having an intake and a discharge, co-acting eccentrically mounted pump members having a compression space between them,

a plate in juxtaposition to the side faces of said members having a discharge port in communication with the



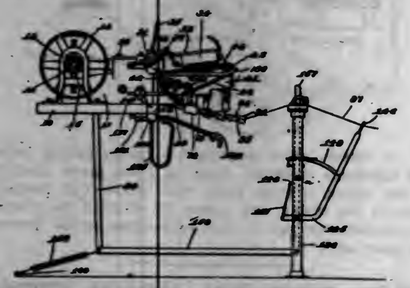
compression space, and means for advancing and retracting the compression spaces with relation to the discharge port.

1,486,837. ROTARY PUMP. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed May 1, 1923. Serial No. 635,850. 8 Claims. (Cl. 230—30.)



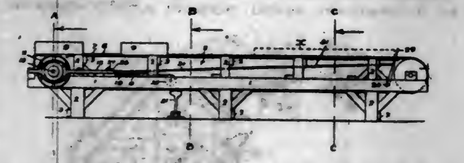
1. A rotary pump having a casing with a pumping chamber, and a rotatable pumping element within the chamber, said chamber having an annular cavity adjacent to the periphery of the pumping element, and said pumping element having means for causing lubricant to flow under centrifugal action to and exert pressure in said annular cavity.

1,486,838. LACE-TIPPING MACHINE. CARL A. MATSON, Lynn, Mass., assignor to Matson Lace Tipping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1922. Serial No. 592,814. 16 Claims. (Cl. 12—1.)



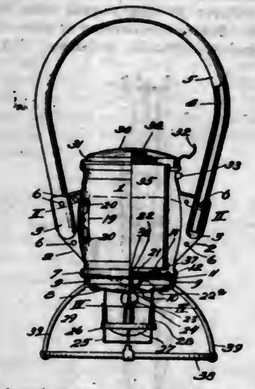
1. In a machine of the class described, the combination of means for looping an indeterminate length of lacing into loops of predetermined length, means for grasping each loop at a plurality of points, means for impregnating a section of each loop with a solution of molded or moldable material, and means for shaping and setting the impregnated portions of the loops.

1,486,839. CONVEYER. DAVID G. MORRISON, Warren, Ohio. Filed Nov. 18, 1922. Serial No. 601,709. 3 Claims. (Cl. 191—232.)



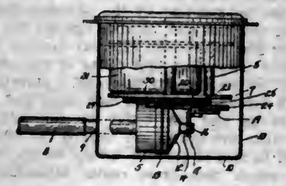
3. A conveyer of the class described consisting of a suitable frame, a conveyer mounted thereon of less width than the article to be conveyed and adapted to be operated intermittently, clutching mechanism for starting the conveyer automatic stopping mechanism for stopping the conveyer and gauges for positioning the articles upon the conveyer.

1,486,840. ELECTRIC LANTERN. HENRY B. PATCH, Kansas City, Mo. Filed June 19, 1922. Serial No. 569,529. 2 Claims. (Cl. 240—8.5.)



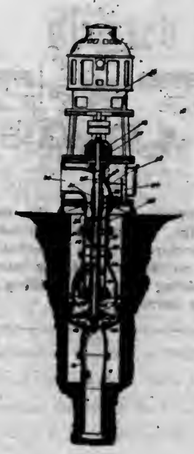
1. In an electric lantern, a body, an underlying skeleton guard therefor, an electric lamp depending from the bottom of the body, a pair of U-shaped frames depending from the body, a lens holder slidable on the U-shaped frames toward and from the lamp, and clamp springs carried by the lens holder and frictionally engaging the leg-portions of the U-shaped frames.

1,486,841. VACUUM-WIND AUTOMOBILE CLOCK. WILSON E. PORTER and RICHARD H. WHITEHEAD, New Haven, Conn., assignors to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Apr. 4, 1923. Serial No. 629,854. 2 Claims. (Cl. 58—47.)



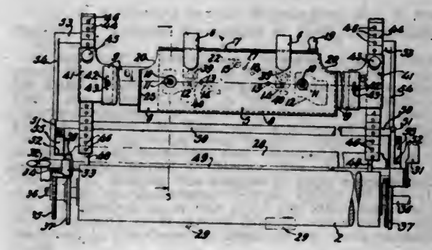
1. In a vacuum-wind automobile clock, the combination with a clock-movement having a main-spring-arbor, of a vacuum-chamber adapted to be connected with the intake manifold of an internal combustion engine, a diaphragm applied to the said chamber, and connection between the said diaphragm and arbor including a spring-retracted lever whereby the arbor is rotated step-by-step by the movement of the diaphragm, due to the pulsations created in the vacuum-chamber.

1,486,842. LUBRICATING SYSTEM FOR DEEP-WELL PUMPS. VICTOR SCHLEYER, Anderson, Ind., assignor, by mesne assignments, to Midwest Engine Corporation, Indianapolis, Ind., a Corporation of Delaware. Filed Oct. 30, 1920. Serial No. 420,693. 18 Claims. (Cl. 103—102.)



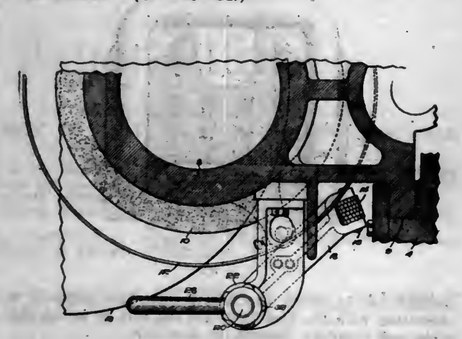
1. In a deep-well pump, the combination of a shaft extending down into the well, a rotary pump having a runner on said shaft, a water-discharge pipe extending upward from the pump and surrounding said shaft, intermediate bearings for said shaft, pipes interconnecting said bearings and surrounding the shaft within said water-discharge pipe, a lubricant-pump with which the lower end of the series of the bearing-connecting pipes connects, and a lubricant-return pipe connected with the discharge of said lubricant pump and leading upward to a point outside the well.

1,486,843. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 2, 1920, Serial No. 427,686. Renewed Nov. 13, 1923. 26 Claims. (Cl. 197—127.)



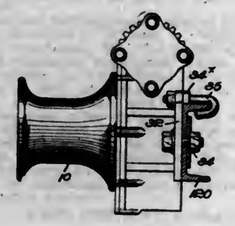
1. In a front-strike typewriting machine, the combination with a platen, of a paper-table or tablet at the front of the platen above the printing line, means for holding a work-sheet on the tablet, a leading-edge gage for the work-sheet, a finger-piece, finger-piece actuated means for shifting said leading-edge gage relatively to the tablet and said sheet-holding means, whereby the work-sheet may be adjusted on the tablet to different line-space positions, and means for detaining said leading-edge gage at its different line-space positions.

1,486,844. ABRASIVE-WHEEL DRESSER. HENRY K. SPENCER, Watertown, Mass., assignor to The Blanchard Machine Company, Cambridge, Mass., a Corporation of Massachusetts. Filed May 10, 1921. Serial No. 468,252. 16 Claims. (Cl. 125—11.)



1. In a vertical grinding machine, the combination of a horizontal work-support, a vertical abrasive wheel having a lower, horizontal end face which operates on the upper side of work held on the upper face of said work support and having a portion which projects laterally beyond the margin of said work support, a carrier which carries said wheel axially and means also carried by said carrier for dressing said lower, horizontal end face during the grinding operation, comprising a dresser mounted to travel horizontally across and beneath the laterally projecting portion of said end face.

1,486,845. AUTOMOBILE WINCH. ARTHUR M. STANLEY, Lynn, Mass., assignor to Mead-Morrison Manufacturing Company, East Boston, Mass., a Corporation of Maine. Filed Apr. 3, 1919. Serial No. 287,287. 7 Claims. (Cl. 254—166.)

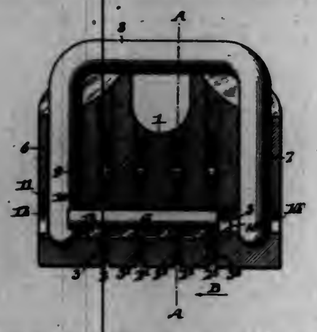


1. A winch attachment adapted to be mounted on the frame of an automobile and comprising a reversible support, a winch head and reversible driving gearing therefor including a worm and worm gear supported by said support, flexible driving means for said worm; and means providing for the reversible attachment of said support to the automobile frame in either one of two positions, in one of which said winch head and its driving means are at a different height as compared with the other position.

1,486,846. COMBINATION OR PERMUTATION LOCK. ALESSANDRO VALENTE, London, England. Filed June 8, 1922, Serial No. 566,799. Renewed July 12, 1923. 6 Claims. (Cl. 70—113.)

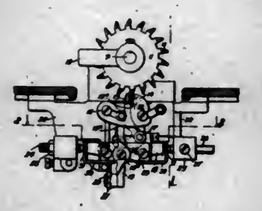
1. A lock, including a casing, a locking bolt within the casing slidable axially by gravity to locking and unlocking

positions, lugs carried by the bolt, stopping means cooperating with the end lugs to limit movement of the



locking bolt in either direction, permutation elements cooperating with the lugs to retain the bolt in locked position, and a shackle lockable by said bolt.

1,486,847. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 12, 1922. Serial No. 567,564. 7 Claims. (Cl. 197—88.)



1. In a typewriting machine, the combination of a traveling carriage, escapement devices therefor comprising a dog carrier having a detachable yielding part, and a support on which said dog carrier is mounted through said yielding part, said yielding part wholly supporting said dog carrier.

Patents Nos. 1,486,848 to 1,487,697.

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Prints	7—No.	7,250 to No.	7,256, inclusive.
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Designs	64—No.	64,230 to No.	64,293, inclusive.
Patents	850—No.	1,486,848 to No.	1,487,697, inclusive.
Total	1319		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Mar. 3, 1924.*

Clarence E. Kenyon, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Eckman Chemical Company, 926 Paxton Block, Sixteenth and Farnam Streets, Omaha, Nebr., for registration of a trade-mark and trade-mark registered October 12, 1915, No. 106,110, to Clarence E. Kenyon, Great Falls, Mont., and a notice of such declaration sent by registered mail to said Clarence E. Kenyon at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Clarence E. Kenyon, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Mar. 4, 1924.*

William P. Sumner, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kinney Brothers, 243–245 Water Street, Binghamton, N. Y. for registration of a trade-mark and trade-mark registered January 15, 1907, No. 89,624, to William P. Sumner, Jacksonville, Fla., and the Office having been unable to secure service upon said party, notice is hereby given that unless said William P. Sumner, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Mar. 4, 1924.*

The Lithotone Colortype Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Niagara Lithograph Co., 209–219 West Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 10, 1900, No. 34,443, to The Lithotone Colortype Company, Chicago, Ill., and a notice of such declaration sent by registered mail to The Lithotone Colortype Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless The Lithotone Colortype Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Feb. 21, 1924.*

Calista O. Van Slyck, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of William A. Whitmore, 810 West Pratt Street, Baltimore, Md., for registration of a trade-mark and trade-mark registered March 19, 1895, No. 26,243, to Calista O. Van Slyck, Lomaada Park, Calif., and a notice of such declaration sent by registered mail to said Van Slyck at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Van Slyck, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,259,310, R. von Reppert, Calculating machine, decided January 25, 1924, claims 30, 34, 48, and 81.

Pat. 1,276,864, M. C. J. Billingham, Paper-stock-treating machine, decided March 1, 1924, claims 23 and 24.

Pat. 1,459,890, E. B. Hine, Strip feeding and punching apparatus, claim 6.

Condition of Applications Under Examination at Close of Business March 7, 1924.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 82,010; Trade-Mark Division, 1,747. Oldest new case, June 3, 1923; oldest amended, June 9, 1923. The dates given are 1923 except where * indicates 1924.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 5	Aug. 6	1,086
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	June 18	Aug. 9	1,116
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 30	Oct. 5	880
234	4. MERRITT, A. P., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	July 26	July 23	1,169
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	June 28	July 7	1,358
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	June 2	July 20	1,761
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Aug. 15	Aug. 17	2,472
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Oct. 1	Nov. 22	1,551
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	July 20	*Jan. 9	682
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	July 21	Aug. 7	1,401
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct. 18	Oct. 13	750
322	12. PIERCE, P. P., Machine Elements	July 27	Sept. 17	1,137
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	July 9	Sept. 6	1,100
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 9	*Feb. 2	980
306	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	June 23	July 12	2,018
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	July 9	July 9	2,655
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	July 21	Nov. 1	1,273
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	June 12	June 9	1,972
236	19. GLASCOCK, E. P., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 2	Dec. 31	941
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Sept. 4	Sept. 5	1,257
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	June 19	Nov. 28	921
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices: Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 24	Nov. 2	380
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	June 29	June 16	569
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	July 18	Aug. 14	1,054
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Nov. 15	Nov. 20	704
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	June 26	July 21	960
214	27. ANDERSON, L. F., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Aug. 8	Aug. 21	1,214
225	28. BENSON, A. R., Internal-Combustion Engines	Sept. 1	Sept. 1	1,258
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	July 13	July 13	1,191
152	30. SULLIVAN, M. B., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	July 24	*Jan. 8	1,035
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Aug 24	Aug. 11	1,339
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	July 11	July 12	1,171
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Aug 30	Aug. 16	1,256
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 24	Sept. 13	800
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 20	Nov. 10	844
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Sept. 1	Aug. 22	1,775
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	July 16	July 18	1,650
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	July 2	June 25	1,541
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 18	June 15	930
271	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	June 25	Dec. 7	1,792
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	July 2	Aug. 22	926
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	July 2	Aug. 1	1,761
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	July 25	July 11	1,678
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	July 30	Oct. 27	1,081
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Oct. 3	Aug. 21	1,368
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Sept. 22	Oct. 9	1,034
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Aug. 27	Nov. 2	945
116	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	July 2	June 25	2,410
383	49. EDINBURG, F. T., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Sept. 4	Sept. 21	460
102	DESIGNS: C. O. MARKHAM (Acting)	*Feb. 11	*Feb. 16	412
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. {Trade-Marks	*Jan. 30	*Feb. 10	1,605
	{Labels and Prints	*Feb. 28	*Mar. 1	52

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

ART METAL CONSTRUCTION CO., INC., *v.* TEXTILE PUBLISHING CO., INC.

No. 1,818. Decided January 7, 1924.

1. TRADE-MARKS — OPPOSITION — "THE OFFICE ECONOMIST"—"DRY GOODS ECONOMIST."

The decision of the First Assistant Commissioner, sustaining the opposition, affirmed.

Decision of First Assistant Commissioner.

2. SAME—SAME—WAIVER OF APPEAL.

The presentation of an amendment limiting the use of applicant's mark, after a judgment sustaining an opposition, and made to avoid such judgment, constitutes a waiver of the right of appeal from the judgment.

3. TRADE-MARKS—OPPOSITION—AMENDMENT AFTER JUDGMENT.

In an opposition proceeding in which a judgment sustaining the opposition has been rendered, an amendment made inter partes limiting the applicant's use of the mark should not be admitted without an inter partes hearing, and then only when it appears to clearly relate to matters not concluded by the judgment and not requiring additional evidence.

4. SAME—SAME—AMENDMENT INSUFFICIENT.

Where an opposition to the registration of applicant's trade-mark for a periodical was sustained, an amendment merely restricting the periodical to a house organ published less frequently does not escape the judgment.

Mr. C. W. Parkes for Art Metal Construction Co. Inc.

Mr. Joseph L. Levy for Textile Publishing Co. Inc.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.:*

The Art Metal Construction Co., Inc., applied to the Commissioner of Patents for the registration of the words "The Office Economist" as a trade-mark for a "Magazine or journal issued monthly." Opposition to the registration was offered by the Textile Publishing Co., Inc., who owned the registered mark "Dry Goods Economist," which it applied to a weekly periodical, on the assumption that the goods of the parties possessed the same descriptive properties and that the marks were deceptively similar. Testimony was taken.

The Examiner of Trade-Mark Interferences held that the opposition should be sustained on the ground stated by the opposer, but gave leave to the applicant to amend its description of the goods and suggested that the words "House organ" be substituted for the phrase a "Magazine or journal issued monthly." He further said that if such an amendment was made the mark would then be entitled to registration. From this decision the Art Metal Construction Co. did not appeal but amended substantially as suggested. Then the Examiner dismissed the opposition.

[1] Opposer appealed to the Commissioner, who reversed the Examiner so far as his decision granting leave to amend was concerned, stating that an opportunity should have been given to the opposer to offer testimony relative to the right of the applicant to make the amendment. He also ruled that the presentation by the applicant of the proposed amendment should be considered as a waiver of the right to register the trade-mark for "A magazine or journal issued monthly," and a waiver of the right to appeal from the decision of the Examiner of Interferences "sustaining the opposition, as to these goods." A hearing before the Examiner followed. He found that the applicant had a right to make the amendment, was entitled to have the mark registered, and he dismissed the opposition. On appeal this decision was reversed by the First Assistant Commissioner, who ruled that the first judgment of the Examiner in which he held tacitly that the goods were of the same class, and that the marks were so similar that if used they would be likely to confuse, was res judicata, and that, since it had not been appealed from, it was binding on the applicant. The amendment, he held, did not change the situation, for the reason that applicant's periodical would have the same appearance and would contain the same matter whether sold on the news stands, distributed as a house organ, or published monthly or weekly; that it so closely resembled the opposer's publication that the reader would be liable to confuse the two, and that it was plain that if the mark was registered injury would be done the opposer.

In these views we concur and hence affirm the decision of the Commissioner.

Affirmed.

The decision of First Assistant Commissioner Kinnan, rendered in this case January 11, 1923, is as follows:

This is an appeal from the decision of the Examiner of Trade-Mark Interferences dismissing the opposition and adjudging that the applicant is entitled to the registration of "The Office Economist" as a trade-mark for a periodical published monthly as a house organ.

The opposer's mark is the notation "Dry Goods Economist". It is registered in this Office as a trade-mark for a weekly periodical.

Applicant originally applied for registration of its mark as a trade-mark for a magazine or journal issued monthly, and the opposition was instituted to the registration of the mark on this class of goods. Testimony was duly taken, and on April 29, 1921, the Examiner of Trade-Mark Interferences rendered decision sustaining the opposition

and adjudging that the applicant is not entitled to the registration for which it has made application. The last paragraph of this decision reads as follows:

It is further adjudged, however, that if upon the final determination of this proceeding the applicant should amend its particular description of goods in such a way as to define the periodical disclosed in its Exhibits 1, 2, and 3, the applicant would then be entitled to the registration for which it has made application. The substitution of the words "house organ" for the language "a magazine or journal issued monthly" would be such an amendment.

Between the date of final hearing before the Examiner of Trade-Mark Interferences and the date of his decision the applicant proffered an amendment to its description of goods so that its mark would apply only to a periodical published monthly as a house organ. Following the decision the opposer petitioned the Commissioner requesting him to exercise supervisory authority and praying—

that the case be remanded to the Examiner of Interferences for Trade-Marks with directions to strike from the record the papers irregularly filed as aforesaid while the case was awaiting decision, to reconsider his decision and decide the case on the record without adjudication or recommendation based on matters in futurity.

[2] In answering the petition the Commissioner cited decisions sanctioning the practice of considering the proposed amendment inter partes, but called attention to the fact that there had been no inter partes hearing on the matter. He accordingly rendered the following decision:

Presentation by the applicant of the proposed amendment is considered a waiver of the right to register the trade-mark for a "magazine or journal issued monthly," and a waiver of the right to appeal from the decision of the Examiner of Interferences sustaining the opposition, as to these goods.

The case is remanded to the Examiner of Interferences with directions to set down for inter partes hearing the question whether the amendment is supported by evidence in the case, and if the amendment is entered, the merits of the opposition as directed against the case as amended.

If the facts warrant the Examiner of Interferences will enter the amendment and make such order in the opposition as seems proper.

The petition to strike from the record was denied. After an inter partes hearing the Examiner of Trade-Mark Interferences entered the amendment and rendered a decision dismissing the opposition.

[3] In opposer's brief, filed with this appeal, the contention is vigorously made that after final hearing the amendment of the applicant's case inter partes was improper. The authorities cited and the new equity rules have been kept in mind. A court has a wide discretion in suggesting amendments on its own motion when it thinks substantial justice requires such action. Truly enough, however, what has been adjudicated and concluded by the decree must not be disturbed. The amendment should not be admitted without an inter partes hearing, and then only if it clearly appears to relate to matters not concluded by the judgment and which can be determined without further evidence being submitted. This matter loses its importance, however, in view of my disposition of the case.

It is not believed the amendment justifies the dismissal of the opposition or avoids the probability of confusion.

The mere fact that applicant's magazine is circulated as a house organ does not, as I view the matter, entitle applicant to the registration of a trade-mark which otherwise would not be registrable.

[4] By presenting the amendment and failing to appeal from the decision of the Examiner of Trade-Mark Interferences sustaining the opposition to the registration of the mark for a "magazine or journal issued monthly" applicant admits that it is not entitled to such registration. Applicant's periodical has the same appearance and contains the same matter whether it is sold on the news stands or distributed as a house organ or is published monthly or weekly. If it so closely resembles the opposer's periodical that the reader is liable to confuse the two, it is plain injury may be done the opposer. While distribution as a house organ may tend to reduce the probabilities of confusion in some cases, it does not follow that it will in all cases or that all readers will be cognizant with the manner of distribution. I am unable to reach any other conclusion than that the mere fact that one periodical is published at more widely separated times than another is restricted to one class of readers, but which class may fairly include those classes reached by the periodical of such another, and is distributed as a house organ does not entitle the applicant to the registration of a trade-mark that is so similar to that of a prior owner and registrant as to otherwise cause confusion of origin. The opposition should, in my judgment, be sustained.

The decision of the Examiner of Trade-Mark Interferences is reversed.

Court of Appeals of the District of Columbia.

CALIFORNIA PACKING CORPORATION *v.* SANTA ANA PRESERVING CO.

No. 1,577. Decided January 7, 1924.

1. TRADE-MARKS—"DEL SUR" AND "DEL MONTE"—NOT DECEPTIVELY SIMILAR.

Where the marks neither sound alike nor look alike and one familiar with the one would not be likely to confuse it with the other and purchase goods bearing it on the assumption that, because they did bear it they originated with the opposer, and where, when each mark is considered as a whole, the marks are not sufficiently similar to deceive either the eye or the ear, although both marks commence with the same Spanish word "Del," *Held* that the marks are not deceptively similar.

Decision of Assistant Commissioner.

2. SAME—SAME—SAME—USE OF THE PREFIX "OF THE" IN SPANISH.

Where the sole ground of similarity as far as the words are concerned is the Spanish prefix "Del," meaning "of the," and no one would think of suggesting interference if the parties had chosen the words with the prefix "The," *Held* that a translation of the article into the Spanish language is not materially different from the article in English.

Mr. Archibald Cox and *Mr. W. G. Henderson* for California Packing Corporation.

Mr. A. E. Wallace for Santa Ana Preserving Company.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

The question here concerns the right of Santa Ana Preserving Company to have registered as a trade-mark, for use on jellied fruits, fruit jelly, fruit preserves, and canned fruit, the words "Del Sur," inclosed within a border of somewhat irregular but symmetrical outline. Opposition was interposed by California Packing Corporation on the footing that it was the owner of "Del Monte," a mark applied by it to goods of the same character as those of the applicant, long before the latter had adopted its mark. The Examiner of Interferences found there was no similarity between the marks and dismissed the opposition. This action was affirmed by the Assistant Commissioner on appeal, and the opposer brings the case here asking us to reverse him.

It is conceded that the opposer adopted and applied its mark first, and, of course, that the goods of the parties have the same descriptive properties. This leaves but one question for determination, viz, are the marks so similar that if both were used in commerce they would be likely to produce confusion in the minds of prospective purchasers. The marks neither sound alike nor look alike. One familiar with the mark "Del Sur" would not be likely to confuse it with the other mark and purchase goods bearing it on the assumption that, because they did bear it, they originated with the opposer. To be sure both marks commence with the Spanish word "Del," meaning "of the," but we must consider each mark as a whole, and, when we do, the marks are not sufficiently similar to deceive either the eye or the ear. It has been ruled that "Don Caesar" was not an infringement of "Don Carlos" (*Chance v. Gulden*, 165 Fed. 624), and that "Union World" did not infringe "Union Leader" (*American Tobacco Co. v. Globe Tobacco Co.*, 198 Fed. 1015); yet in each mark the first word, as here, was the same.

While the outlines of the marks before us have something in common, this is not sufficient to justify the conclusion that they are deceptively similar.

The courts look with disfavor upon any mark which indicates that its owner, being the last comer, is bent upon appropriating a part of his business rival's goodwill, but we are convinced that applicant's mark would not serve such a purpose, and therefore affirm the Commissioner.

Affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case July 7, 1922, is as follows:

[2] The California Packing Corporation appeals from the action of the Examiner of Interferences dismissing an opposition filed by it against the application of the Santa Ana Preserving Company for registration of its trade-mark consisting of the words "Del Sur," surrounded by a fanciful border. Opposer's mark is "Del Monte," surrounded by a fanciful border. The goods of the parties are the same. So far as the words are concerned, clearly the sole ground of similarity is "Del." This is Spanish for "of the." Obviously if the parties had chosen the marks "The Monte" and "The Sur" no one would be so bold as to suggest interference between them. I am unable to see why a translation into the Spanish language of the article should be considered materially different from the use of the article in English. It is suggested that one desiring to purchase goods bearing the mark "Del Monte" might ask for "Del" something and be given "Del Sur," but if one asked for "the" something, he might get almost anything. The opposer's mark is generally in Gothic or Old English type, whereas applicant's mark is in block type. The contours of the outlines surrounding the two marks are notably different, and I am unable to see that there is a similarity of appearance between them. Opposer prints its words on a red background, and in one label applicant does the same; but that fact is not sufficient to cause confusion. It is suggested that both words are Spanish words, and therefore one desiring to purchase "Del Monte" goods may merely say he wants the thing with the Spanish name; but that doctrine would easily lead to limiting the number of trade-marks available to the trade to the number of foreign languages in existence. Such a doctrine can not appeal to the conscience.

The Examiner of Interferences is affirmed and the opposition is dismissed.

Court of Appeals of the District of Columbia.

WILLIAMS EVANGELINE CONFECTION CO. *v.* U. R. S. CANDY STORES.

No. 1,652. Decided January 7, 1924.

1. TRADE-MARKS—"EVANGELINE"—GRADE MARKS.

The fact that the mark was used only on one class or grade of the goods put out by a registrant does not establish that it is to be treated merely as a grade mark.

2. SAME—TRANSFER OF PROPERTY OF A CORPORATION BY THE STOCKHOLDERS AS SUCH—MARK NOT ABANDONED.

Where the stockholders of a corporation entered into an agreement with the appellee by which they conveyed or purported to convey to it all their interest in the capital stock which they owned and attempted to transfer all contracts, trade-marks, brand names, etc., owned by the corporation to the appellee and where the corporation continued to use the mark as before, *Held* that the act of the stockholders did not amount to an abandonment of the mark by the corporation, since the stockholders of a corporation as such can not convey the property of the corporation.

Mr. F. S. Maguire, *Mr. W. T. Estabrook*, and *Mr. John F. Corcoran* for Williams Evangeline Confection Co.

Mr. E. T. Fenwick for U. R. S. Candy Stores.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

This is an interference proceeding in which are involved two applications—one by the appellant,

and the other by the appellee—for registration of the word "Evangeline" as a trade-mark for candies. The Examiner of Interferences held that neither party was entitled to registration because, as he found, the claimed mark was owned and used by Fuerst & Kraemer, Ltd., a corporation, long before either of the applicants had adopted it. From his decision the Williams Evangeline Confection Company, but not the U. R. S. Candy Stores, Inc., appealed to the Commissioner of Patents, who sustained the Examiner.

If the Examiner's facts be correct, his view of the law is sound. Section 7, Trade-Mark Act, 33 Stat. 726; *Schierling v. Schulze Baking Co.*, 46 App. D. C. 50; 240 O. G. 642.

Appellant concedes that the mark was used by Fuerst & Kraemer, Ltd., long before it had adopted the mark, but contends that it was used as a grade mark and not as a trade-mark. In addition it asserts that if it be found that this contention is not correct and that the use made of it was a trade-mark use, then that Fuerst & Kraemer, Ltd. had abandoned it.

[1] The mark, it is true, was used only on one class or grade of the candy put out by Fuerst & Kraemer, Ltd., but this does not establish that it is to be treated merely as a grade mark. *Lawrence Manufacturing Co. v. Tennessee Manufacturing Co.*, 138 U. S. 537, 547; 55 O. G. 1528. In that case it was held that—

> if the primary object of the mark be to indicate origin or ownership, the mere fact that the article has obtained such a wide sale that it has also become indicative of quality, is not of itself sufficient to debar the owner from protection, and make it the common property of the trade,

citing *Burton v. Stratton*, 12 Fed. Rep. 696.

From 1911 to the present time thousands of cartons of candy bearing the mark "Evangeline" have been placed in interstate commerce by Fuerst & Kraemer, Ltd. By that name the candy has been ordered by the trade and sold by the retailers. No other mark has been used on the carton. Nor has any witness said it was ever treated as a grade mark. The name, in our judgment, clearly indicates origin of the candy. There is nothing in *Touraine Co. v. F. E. Washburn & Co.*, 286 Fed. 1020; 309 O. G. 676, which lends support to appellant's contention. In that case the word "Touraine" was claimed as a trade-mark for candy and confections. The foreman for twenty-five years of Washburn & Co., manufacturer of the candy, testified that the word referred distinctly to the grade or quality of the chocolate. Another one who had been in the service of Washburn & Co. for seven years gave testimony to the same effect. Washburn & Co. used the word "Waleco" as a trade-mark and applied this to all cartons and packages upon which the mark "Touraine" appeared. They received from applicant at times packages of candy bearing the mark "Touraine" and distributed them to the trade without objection. For fourteen years, with full knowledge of the use of the mark by the applicant, Washburn & Co. took no exception to its use. In the light of these facts, and for other reasons given in the opinion, it was held that the word "Touraine" had never been used as a trade-mark by Washburn & Co.

[2] The claim of abandonment is baseless. Fuerst & Kraemer, Ltd., as we have said, is a corporation. The stockholders thereof entered into an agreement with the Candy Stores corporation by which they conveyed, or purported to convey, to it all their interest in the capital stock which they owned, and attempted to transfer all contracts, trade-marks, brand names, etc., owned by Fuerst & Kraemer, Ltd., to the Candy Stores corporation. It is said in behalf of the appellant that this act by the stockholders amounted to an abandonment of the mark by Fuerst & Kraemer, Ltd. Of course, this can not be so. It is elementary that the stockholders of a corporation as such can not convey the property of the corporation. *Eichelberger et al. v. Arlington Building, Inc., et al.*, 280 Fed. 997; *Button v. Hoffman*, 61 Wis. 20; and *Rough v. Breitung*, 117 Mich. 48, Elliott on Private Corporations, 5th Ed., p. 9. Therefore the attempt just mentioned was futile. Moreover, the testimony is quite clear to the effect that from that time down to the institution of these proceedings Fuerst & Kraemer, Ltd., continued to use the mark as before, which indicates that it had no intention of disposing of it. The case of *Sauers Milling Co. v. Kehlor Flour Mills Co.*, 39 App. D. C. 535; 189 O. G. 525, is not in point. There the owners of the trade-mark attempted to convey it without conveying the business with which it was connected. It was held that the attempt was without legal efficacy, but that it might be used as evidence of a purpose to abandon the mark. Here, as we have seen, no attempt was made by the owner of the mark, Fuerst & Kraemer, Ltd., to convey it, but by the stockholders, persons who had no right to it.

We are satisfied that there is no error in the record, and therefore affirm the decision of the Commissioner.

Affirmed.

U. S. Circuit Court of Appeals—Sixth Circuit.

IMPERIAL GLASS CO. *v.* A. H. HEISEY AND CO.

No. 3,845. Decided December 4, 1923.

1. PRINTED PUBLICATIONS—MANUFACTURERS' CATALOGUES.
   Manufacturers' catalogues issued for circulation among the trade are more effective in spreading information among persons skilled in that art than if the same catalogues were only on file in some public library. The evidence of the superintendent that these catalogues had been sufficiently circulated to bring them to his notice and possession is enough to indicate due publication.
2. SAME—SAME—ACT OF 1836 CONSTRUED.
   Reeves v. Keystone Co., arising under the act of 1836, merely holds that the publication of a manufacturer's catalogue, which is not found in a library, must be proved by some evidence other than the imprint.
3. DESIGNS—PATENTABILITY.
   While it is not questioned that patentable designs may arise from regrouping familiar forms and decorations, yet when all that was done was to take an existing piece of table glassware provided with flutes and substitute a slightly-different form of flute already in common use on other articles of glassware, there can be no patent monopoly.

Mr. H. E. Dunlap and *Mr. William L. Symons* for Imperial Glass Co.

Messrs. Kay, Totten, and Brown for A. H. Heisey and Co.

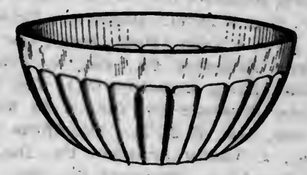
APPEAL from the District Court Southern District of Ohio, Eastern Division.

Before DENISON and DONAHUE, Circuit Judges, and WESTENHAVER, District Judge.

DENISON, *Cir. J.*:

The district court made the usual interlocutory decree for injunction and accounting in a suit brought for the infringement of Design Patent No. 43,852, issued to plaintiff below April 15, 1913, upon an application filed by A. J. Sanford, February 3, 1913.

The design is said to be for a nappy, which is defined by the testimony as a round bowl for containing fruit, preserves, sauce, or anything of that sort. It is shown in the following figure:



The ornamentation consists of a series of panels, called flutes, which in horizontal cross sections show a concave recess extending in from the otherwise smooth exterior surface. At the upper end, this concavity is brought out to the surface upon lines vertically concave, and the contact line between the smooth surface and the flute takes the form of an arch or curve at the corners, connected by a straight horizontal line. The whole may be described as a flat top arch. This leaves above it a horizontal band of plain glass.

In a considered opinion, the district court concluded that there was infringement. This result is not seriously questioned, if the patent is given even the minimum narrow scope which it must have in order to be treated as valid.

While recognizing the rule that a design patent must disclose something more than ordinary skill in arrangement of common features in order to be valid (*Boldt v. Nerison Co.*, C. C. A. 6, 194 Fed. 871; *Mygatt v. Schaffer*, C. C. A. 2, 218 Fed. 827; *Steffens v. Steiner*, C. C. A. 2, 232 Fed. 862), the district court also concluded that this patent successfully passed that test. We are compelled to reach the opposite conclusion; and, in so doing, we depend particularly upon two considerations.

[1, 2] The first is this: The defendant produced printed catalogues of different glass manufacturers, including some of its own, all evidently issued for circulation among the trade, and all of which defendant's superintendent testified had been in his possession since before 1911. These catalogues showed a great variety of designs tending to support the defense, and, if they do not anticipate, they at least emphasize the trifling character of the distinction upon which the patent must stand. The trial court rejected these, thinking that they were not prior publication within the meaning of the patent law, and basing this conclusion upon *Reeves v. Keystone Co.*, Fed. Cases No. 11,660, vol. 20, pp. 466, 471; and *Briton v. White Co.*, 61 Fed. 93. We think these catalogues should have been received and considered. Certainly, manufacturer's catalogues so circulated are more effective in spreading information among persons skilled in that art than if the same catalogues were only on file in some public library. *Reeves v. Keystone Co.*, arising under the act of 1836, merely holds that the publication of a manufacturer's catalogue, which is not found in a library, must be proved by some evidence other than the imprint. Whether such imprint would, under the present statute, be prima facie evidence of publication need not be decided. The evidence of the superintendent that these catalogues had been sufficiently circulated to bring them to his notice and possession is enough to indicate due publication. The decision in *Briton v. White Co.* (D. C., Conn.), seems to be in point, but we think it is mistaken. It depends (61 Fed. 95) upon *Reeves v. Keystone Co.* (which, as we have seen, does not support it); *Parsons v. Colgate*, 15 Fed. 600; 24 O. G. 203, and *Fermentation Co. v. Koch*, 21 Fed. 587; 29 O. G. 535. The former (D. C. N. Y.) stands upon the distinction that the act of 1836, which governed that patent, called for prior description in a "public work" instead of in a "printed publication," as is specified in the present statute; and in the latter (D. C. Mich.), this distinction is overlooked.

[3] The second consideration controlling in our minds is the fact that, as early as 1908, defendant was producing and marketing a nappy or berry bowl which is in evidence as Exhibit M, and which was identical with the design patent in every respect save two. One difference was that the flutes were relatively wider, and with the same sizes of bowl there would be about two-thirds as many flutes in Exhibit M as appeared in the patented design. The other difference was that, in Exhibit M, the top of each flute was in the form of an arc instead of a flat topped arch. The first is plainly one which has no differentiating importance—at least when the distinction is as that between 16 and 24. The second likewise does not impress us as substantially changing the appearance of the design; but however that might be, we find also that the precise form of flute in this respect was in common use by defendant and others as early as 1909 upon jelly glasses, tumblers, sugar bowls, sirup pitchers, and a line of table glassware, which line, however, did not include nappies. While we do not question that patentable designs may arise from regrouping familiar forms and decorations, yet when all that was done was to take an existing piece of table glassware having these flutes and substitute a slightly different form of flute

already in common use on other articles of glassware, we are satisfied that there can be no patent monopoly. *Smith* v. *Whitman Co.*, 148 U. S. 675; 63 O. G. 912; *Knapp* v. *Will Co.*, C. C. A. 2, 278 Fed. 380; 290 O. G. 645; *Whiting Co.* v. *Alvin Co.*, C. C. A. 2, 288 Fed. 77; 314 O. G. 379.

For these reasons the decree must be reversed, and the case remanded with instructions to dismiss the bill.

ADJUDICATED PATENTS.

(D. C. Conn.) The Taylor patent, No. 867,622, for a screw clamp, claims 3, 4, and 5, *Held* valid and infringed. *James L. Taylor Mfg. Co.* v. *Steuernagel*, 294 Fed. Rep. 362.

(C. C. A. N. Y.) The Clements patent, No. 1,102,000, for a vacuum-cleaner handle, *Held* invalid. *Clements* v. *Pittsburgh Electric Specialties Co.*, 294 Fed. Rep. 279.

(C. C. A. N. Y.) The Root patents, Nos. 1,131,161 and 1,196,721, for a safety device, *Held* valid and infringed. *Root* v. *Hobbs Mfg. Co.*, 294 Fed. Rep. 236.

(D. C. Mich.) The Gans patent, No. 1,195,923, for water-softening apparatus, claims 1 and 5, *Held* invalid. *Permutit Co.* v. *Wadham*, 294 Fed. Rep. 370.

(C. C. A. Ohio.) The Sandford patent, No. 48,852, for design for a nappy, *Held* invalid. *Imperial Glass Co.* v. *A. H. Heisey & Co.*, 294 Fed. Rep. 267.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

841,211, J. Abrahams, Improvement in machines for making pastry horns or cups for containing ice cream, etc.; 1,071,027, F. A. Bruckman, Automatic pastry-making machine; 1,148,642, K. Wessel, Machine for making ice-cream cones; Re. 14,651, E. H. Lanier, Pastry-making apparatus; 1,326,520, A. McLaren, Ice-cream cone and package containing same, suit filed Jan. 14, 1924, D. C. Md., Doc. E 485, *The McLaren Products Co. et al.* v. *Maryland Baking Co. et al.*

849,383, J. L. Fruin, Sanitary T, suit filed Jan. 30, 1924, D. C., N. D. Ill., Doc. 3845, *Fruin & Walker Co. et al.* v. *F. Glenn et al.*

872,442, H. Morris, Pipe joints, suit filed Jan. 15, 1924, D. C., N. D. Ill., Doc. 3836, *H. Morris* v. *Whitaker-Glessner Co. et al.*

879,532, L. de Forest, Space telegraphy, suits filed Feb. 4, 1924, D. C., S. D. N. Y., Doc. E 28/326, *Radio Corp. of America et al.* v. *D. Kanofsky.* Same, Doc. E 28/327, *Radio Corp. of America* v. *M. A. Modell et al.*

1,071,027. (See 841,211.)

1,148,642. (See 841,211.)

1,206,780, F. H. Scantlebury, Method of sand-blast carving, suit filed Feb. 2, 1924, D. C., W. D. N. Y., Doc. C 547, *Phoenix Machine Co., Inc.*, v. *F. J. Hart Monument Co.*

1,326,520. (See 841,211.)

1,408,139, M. V. Pruzan, Brassière, *Boyshform Brassiere Co., Inc.*, v. *Svelte-Mode Brassiere Co., Inc.*, Doc. E 23/333. *Boyshform Brassiere Co., Inc.*, v. *Shuely & Shuely (Elite Brassiere Co.)*, Doc. E 23/334. *Boyshform Brassiere Co., Inc.*, v. *Modish-form Brassiere Co., Inc.*, Doc. E 23/335. *Boyshform Brassiere Co., Inc.*, v. *Lipman & Lipman (Biltwel Brassiere Co.)*, Doc. E 23/336. *Boyshform Brassiere Co., Inc.*, v. *Vogue Mfg. Co.*, Doc. E 23/337. *Boyshform Brassiere Co., Inc.*, v. *B. Altman & Co., Inc.*, Doc. E 23/338. *Boyshform Brassiere Co., Inc.*, v. *Neatform Co., Inc.*, Doc. E 23/369. *Boyshform Brassiere Co., Inc.*, v. *Rubenstein & Rubenstein (Fair-Sex Brassiere Co.)*, Doc. E 23/370. *Boyshform Brassiere Co., Inc.*, v. *Kutzin & Silverman (Vogue Brassiere Co.)*, Doc. E 23/371. *Boyshform Brassiere Co., Inc.*, v. *Empire Brassiere Co., Inc.*, Doc. E 24/71. *Boyshform Brassiere Co., Inc.*, v. *Kann & Kann (Mme. Irene)*, Doc. E 24/72. *Boyshform Brassiere Co., Inc.*, v. *Friedman & Friedman (Daisy Brassiere Co.)*, Doc. E 24/73. *Boyshform Brassiere Co., Inc.*, v. *La Belle Brassiere Corp.*, Doc. E 24/74. *Boyshform Brassiere Co., Inc.*, v. *Vanity Brassiere Co., Inc.*, Doc. E 24/75. *Boyshform Brassiere Co., Inc.*, v. *Fairy Brassiere Co., Inc.*, Doc. E 24/77. *Boyshform Brassiere Co., Inc.*, v. *H. Levy (Triangle Brassiere Co.)*, Doc. E 24/78. *Boyshform Brassiere Co., Inc.*, v. *L. Weinstock (Dainty Brassiere Co.)*, Doc. E 24/79. *Boyshform Brassiere Co., Inc.* v. *J. L. Alberts (Cinderella Brassiere Co.)*, Doc. E 24/80, D. C., S. D. N. Y. Orders of discontinuance June 23, 1923.

1,438,440, H. F. Jackson, Advertising device, consent order dismissing bill of complaint without prejudice Dec. 27, 1923, D. C., S. D. N. Y., *L. R. Conwell* v. *W. F. Powers Co.*

1,439,695, 1,439,696, H. W. Doughty, Ink, suit filed Feb. 2, 1924, D. C., S. D. N. Y., Doc. E 28/334, *Alchemic Gold Co., Inc.*, v. *Standard Bindery, Inc.*

1,439,696. (See 1,439,695.)

1,450,160, Du Bois & Du Bois, Piston rings, suit filed Sept. 28, 1923, D. C. Md., Doc. E 379, *E. J. Du Bois et al.* v. *Universal Machine Co.*

1,458,777, A. T. Reid, Toilet case, suit filed Jan. 31, 1924, D. C., S. D. N. Y., Doc. E 28/331, *A. T. Reid* v. *Pallas Mfg. Co. et al.*

Des. 55,432, A. J. D. Ohm, Electric lamp; Des. 57,254, same, Lighting-fixture bracket back, order discontinuing suit without prejudice Jan. 22, 1924, D. C., S. D. N. Y., *Lion Electric Appliance Co., Inc.*, v. *Brettler & Hollander (Ideal Art Bent Glass Co.)*.

Des. 57,254. (See Des. 55,432.)

Des. 14,651. (See 841,211.)

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 18, 1924.

[VOL. 320. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 147,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Filed Apr. 30, 1921.



No claim is made to the word "Yeast" or to the word "Service" individually as trade-marks.

Particular description of goods.—Compressed Yeast Which is Used in the Making of Breads and Breadstuffs.

Claims use since Apr. 10, 1920.

Ser. No. 155,499. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERMES MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 17, 1921.



The letters above the left foot of the figure in the trade-mark are the Greek word for "Hermes."

Particular description of goods.—Electrically-Operated Shoe-Shining Machines.

Claims use since Sept. 16, 1921.

Ser. No. 156,208. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TAUNTON PEARL WORKS, INC., Taunton, Mass. Filed Dec. 2, 1921.

ANCHOR



Particular description of goods.—Cuff Buttons, Collar Buttons, Tie Holders, Soft-Collar Holders, Scarf Pins, Bar Pins, Cuff Pins, Lingerie Pins, and Brooches for Personal Adornment, All of Which are Made of or Plated with Precious Metal.

Claims use since January, 1912.

Ser. No. 158,276. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRITZ KOBER, doing business as Wilh. Kober & Co., Suhl, Germany. Filed Jan. 21, 1922.

„Protos"

Particular description of goods.—Hair-Cutting Machines for Men and Animals, Safety Razors, Stropping Mechanical Outfits, Bending Pliers for Tubes, Corn Cutters, Kitchen Masticators, Steel Knives, and Scissors.
Claims use since Oct. 5, 1909.

Ser. No. 159,370. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MYRURGIA S. A., Barcelona, Spain. Filed Feb. 15, 1922.

MAJA

Particular description of goods.—Toilet Soaps.
Claims use since May 1, 1920.

Ser. No. 167,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. W. WOOD & SONS, Richmond, Va. Filed Aug. 3, 1922.



No exclusive claim is made for the words "Pamunkey Ensilage Corn" aside from the environment shown.
Particular description of goods.—Ensilage Corn.
Claims use since Jan. 1, 1910.

Ser. No. 168,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT B. BATES, doing business as Canton Butter & Egg Co., Canton, Ohio. Filed Aug. 28, 1922.

MAPLE CREST

Particular description of goods.—Butter and Asparagus.
Claims use since about May 1, 1910.

Ser. No. 170,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRISTEDE BROS., INC., New York, N. Y. Filed Oct. 4, 1922.

GRISDALE

Particular description of goods.—Canned Vegetables.
Claims use since Jan. 2, 1921.

Ser. No. 170,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN JOBBING COMPANY, Chicago, Ill. Filed Oct. 5, 1922.

TRU-CUP

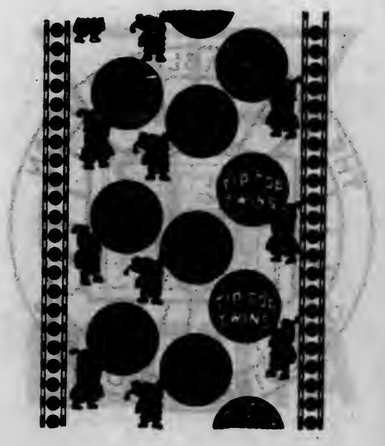
The trade-mark consists of the words "Tru-Cup."
Particular description of goods.—Coffee.
Claims use since July 31, 1922.

Ser. No. 170,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING CANDY CO., Fort Worth, Tex. Filed Oct. 11, 1922.

MEADOW QUEEN

Particular description of goods.—Candy.
Claims use since about 1905.

Ser. No. 170,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATLAS BREAD FACTORY, Milwaukee, Wis. Filed Oct. 12, 1922.



The vertical shade lines indicate red, the horizontal lines blue, and the broken cross lines yellow colors; no claim made for the words "The Double Loaf" or for the words "Tip-Top" apart from the word "Twins."
Particular description of goods.—Bread.
Claims use since Sept. 5, 1922.

Ser. No. 170,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAUDE W. KRESS, doing business as Buckfield Plantation, Yemassee, S. C. Filed Oct. 19, 1922.



Particular description of goods.—Cabbage, Tomatoes, Peppers, Beans, Beets, Onions, Potatoes, Corn, Radishes, Carrots, Turnips, Parsley, Parsnips, Spinach, Peas, Cucumbers, Celery, Swiss Chard, Eggplants, Berries, Apricots, Apples, Peaches, Pears, Plums, and Quinces, All in Fresh, Dried, or Preserved Condition; Raw Milk, Eggs, Butter, and Cheese; Mutton, Pork, Ham, Sausage.
Claims use since May 10, 1922.

Ser. No. 171,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY V. BUGG, Atlantic City, N. J. Filed Nov. 7, 1922.



Particular description of goods.—Fudge and Candies.
Claims use since Oct. 6, 1922.

Ser. No. 171,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK A. BOWLES, also doing business as Bowles Bros. Co., Los Angeles, Calif. Filed Nov. 13, 1922.



The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Self-Rising Buckwheat Flour and Buckwheat Flour.
Claims use since 1895.

Ser. No. 172,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE VALLEY CREAMERY CO., Chicago, Ill. Filed Nov. 22, 1922.



No claim is made to the word "Butter" therein.
Particular description of goods.—Butter.
Claims use since about March, 1914.

Ser. No. 172,614. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PEORIA TENT & AWNING COMPANY, Peoria, Ill. Filed Nov. 27, 1922.

"Slickerine"
WATER PROOF
CANVAS
"SHEDS WATER LIKE YOURS TRULY"

No claim is made to the exclusive use of the words "Water Proof Canvas" and "Sheds Water Like Yours Truly" apart from the mark as shown in the drawing.

Particular description of goods.—Canvas and Canvas Duck.

Claims use since October, 1913.

Ser. No. 173,065. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ACME PRODUCTS COMPANY, New Orleans and De Quincy, La. Filed Dec. 8, 1922.

QUALITY
ACME
SERVICE

No rights are asserted to the exclusive use of the words "Quality" and "Service" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Products from Distillation of Pine Wood—Namely, Rosin.

Claims use since Oct. 15, 1922.

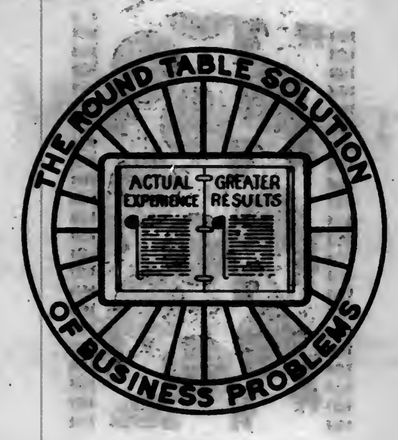
Ser. No. 173,501. (CLASS 38. PRINTS AND PUBLICATIONS.) BERNARD KROG, doing business as The Business Round Table (not incorporated), Chicago, Ill. Filed Dec. 18, 1922.



Particular description of goods.—Semimonthly Publications Devoted to General Business Condition Reports; Information Relative to Current Financial, Crop, and Business Conditions; Business Plans, Sales Ideas and Plans, Letter Suggestions, and Advertising Plans.

Claims use since Sept. 2, 1922.

Ser. No. 173,502. (CLASS 38. PRINTS AND PUBLICATIONS.) BERNARD KROG, doing business as The Business Round Table (not incorporated), Chicago, Ill. Filed Dec. 18, 1922.



Particular description of goods.—Semimonthly Publications Devoted to General Business Condition Reports; Information Relative to Current Financial, Crop, and Business Conditions; Business Plans, Sales Ideas and Plans, Letter Suggestions, and Advertising Plans.

Claims use since Sept. 2, 1922.

Ser. No. 173,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAILLIARD & SCHMIEDELL, San Francisco, Calif. Filed Dec. 23, 1922.

KIPPER SNACKS

Particular description of goods.—Canned Fish.

Claims use since Oct. 15, 1921.

Ser. No. 173,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEINWENDER, STOFFREGEN & Co., New York, N. Y. Filed Dec. 28, 1922.

DON CARLOS

Particular description of goods.—Green Coffee.

Claims use since early in 1920.

Ser. No. 173,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEINWENDER, STOFFREGEN & Co., New York, N. Y. Filed Dec. 28, 1922.

A O L
BOGOTA

No claim is made to the word "Bogota" apart from the trade-mark as shown.

Particular description of goods.—Green Coffee.

Claims use since early in 1920.

Ser. No. 174,055. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHERMAN AND ALLEN, New York, N. Y. Filed Jan. 1, 1923.

Flip It!

Particular description of goods.—Rotatable Dice and Other Game Counters.

Claims use since about Dec. 16, 1922.

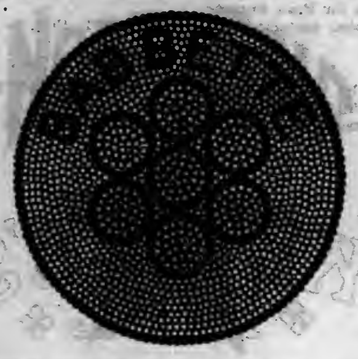
Ser. No. 174,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES A. SHEVLIN, doing business as Shevlin's Oyster and Chop House, Cincinnati, Ohio. Filed Jan. 2, 1923.

"If it swims I have it"

Particular description of goods.—Fresh and Canned Fish, Oysters, and Lobsters, and Fish, Oysters, and Lobsters Prepared for Consumption by Such Processes as Boiling, Cooking, and the Like Prior to Packing Thereof.

Claims use since 1914.

Ser. No. 174,394. (CLASS 39. CLOTHING.) BETTIE FLEISCHMANN HOLMES, New York, N. Y. Filed Jan. 10, 1923.



Particular description of goods.—Boudoir, Bathing, and Dusting Caps.

Claims use since Oct. 15, 1922.

Ser. No. 174,695. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) KIDDIE REKORD COMPANY, INC., Plainfield, N. J. Filed Jan. 17, 1923.

KIDDIE REKORD

Applicant hereby disclaims the word "Rekord" apart from the trade-mark shown.

Particular description of goods.—Phonograph Records.

Claims use since June 28, 1922.

Ser. No. 174,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. T. QUINLAN & COMPANY, St. Paul, Minn. Filed Jan. 18, 1923.



The specific coloring is not a material feature. The lining of the drawing is for shading purposes, the picture being printed in natural colors.

Particular description of goods.—Grocery Products—Namely, Powdered Sugar, Currants, Bouillon Cubes, Corn

Flakes, Rolled Oats, Jelly Powder, Raisins, Tea, Paprika, Cloves, Allspice, Ginger, Mace, Cinnamon, Mustard, Pepper, Nutmeg, Turmeric, Sage, Lemon and Vanilla Extracts for Food Purposes.

Claims use since on or about Aug. 1, 1910.

Ser. No. 174,857. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) S. S. PIERCE CO., Boston, Mass. Filed Jan. 20, 1923.

KETTLE'S PIPE

No claim is made to the word "Pipe" apart from the mark shown.

Particular description of goods.—Pipes.

Claims use since Oct. 25, 1922.

Ser. No. 174,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL C. SQUIRE, Boston, Mass. Filed Jan. 23, 1923.

WILLIAM PENN

Particular description of goods.—Scrapple, Hams, and Bacon.

Claims use since Oct. 25, 1922.

Ser. No. 175,271. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROLAND & KOCH, Los Angeles, Calif. Filed Jan. 29, 1923.



And consists essentially of the word "Yale" distinctively displayed in relatively large letters on the representation of the side of an internal-combustion engine equipped with an oiling system. No claim is made to any feature of the mark used by itself, but only to the combination of the several features as shown in the drawing.

Particular description of goods.—Oiling Systems for Internal-Combustion Motors.

Claims use since Oct. 18, 1922.

Ser. No. 175,534. (CLASS 39. CLOTHING.) TRUE SHAPE HOSIERY COMPANY, Philadelphia, Pa. Filed Feb. 3, 1923.



Particular description of goods.—Children's Hosiery.

Claims use since Jan. 3, 1923.

Ser. No. 176,662. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) H. J. WENGLEIN'S NORICA- & HEROLD-WERKE NÜRNBERG-SCHWABACHER NADELFABRIKEN G. M. B. H., Nuremberg, Germany. Filed Feb. 26, 1923.



Norica

The word "Norica" is disclaimed apart from the mark shown.

Particular description of goods.—Hairpins, Hand Sewing Needles, Snap Fasteners, Hair Curlers, and Ordinary Toilet Pins.

Claims use since October, 1912.

Ser. No. 177,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed Mar. 17, 1923.

RUBBER SERVICE CYCLINE LABORATORIES

TRADE MARK

The words "Trade-Mark" appearing on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Compounded Mixture of Animal, Vegetable, or Mineral Oils or a Mixture Thereof and Used as a Softener in the Curing of Rubber Articles.

Claims use since Jan. 26, 1923.

Ser. No. 177,635. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. M. TODD CO., Richmond, Va. Filed Mar. 17, 1923. Under ten-year proviso.

TODD'S OLD VIRGINIA

Particular description of goods.—Hams and Bacon.

Claims use since 1800.

Ser. No. 178,375. (CLASS 39. CLOTHING.) COAST GARMENT CO., Tacoma, Wash. Filed Mar. 31, 1923.

"CoastMade"
COAST GARMENT CO
TACOMA. WASH.

No claim is made to the words "Coast Garment Co., Tacoma, Wash." apart from the mark shown on the drawing.

Particular description of goods.—Ladies', Misses', and Children's Wash Dresses.

Claims use since Jan. 15, 1920.

Ser. No. 178,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH STAR COFFEE CO., Mankato, Minn. Filed Apr. 2, 1923.

NORTH STAR

Particular description of goods.—Coffee.

Claims use since May 1, 1922.

Ser. No. 179,117. (CLASS 39. CLOTHING.) JOSEPH SHULTZ, Rochester, N. Y. Filed Apr. 13, 1923.

Shultstyle

Particular description of goods.—Ladies' Coats and Capes.

Claims use since May, 1922.

Ser. No. 179,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULTZ, BAUJAN & COMPANY, Beardstown, Ill. Filed Apr. 16, 1923.

SWEET CLOVER

Particular description of goods.—Wheat Flour.

Claims use since 1904.

Ser. No. 179,373. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Apr. 19, 1923.

KAUFMANN'S UMFORTER

Particular description of goods.—Men's, Women's, Boys', and Children's Leather Shoes and Slippers.

Claims use since about Jan. 1, 1923.

Ser. No. 179,417. (CLASS 39. CLOTHING.) NAPIERS BOOTERIE, Omaha, Nebr. Filed Apr. 20, 1923.

NABO

Particular description of goods.—Leather Boots and Shoes.
Claims use since Jan. 15, 1923.

Ser. No. 179,854. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH R. CROCKFORD, doing business as The Decorite Co., Boston, Mass. Filed Apr. 28, 1923.

DECOGLAZE

Particular description of goods.—Coating for Plastered Walls, Producing a Glazelike Film.
Claims use since Mar. 1, 1922.

Ser. No. 179,856. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH R. CROCKFORD, doing business as The Decorite Co., Boston, Mass. Filed Apr. 28, 1923.

DECOSIZE

Particular description of goods.—Powder for Mixing with Water and Applying to Walls and Ceilings.
Claims use since Mar. 1, 1922.

Ser. No. 179,858. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) DOUBLE SERVICE WASHING MACHINE COMPANY, Newark, N. J. Filed Apr. 28, 1923.

WASHING DOUBLE SERVICE MACHINE CO.

Particular description of goods.—Washing Machines—Namely, Clothes-Washing Machines, Adapted Also for Use in Washing Dishes.
Claims use since Mar. 22, 1923.

Ser. No. 180,201. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WORLD COFFEE COMPANY, Pittsburgh, Pa. Filed May 4, 1923.

BLOCK HOUSE COFFEE

No claim is made to the word "Coffee" apart from the other features of the mark.
Particular description of goods.—Roasted, Ground, and Unground Coffee.
Claims use since Jan. 4, 1923.

Ser. No. 180,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WORLD COFFEE COMPANY, Pittsburgh, Pa. Filed May 4, 1923.

Better Cup

Particular description of goods.—Roasted, Ground, and Unground Coffee.
Claims use since Jan. 4, 1923.

Ser. No. 180,267. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETA ANONIMA BONIFICHE PONTINE, Rome, Italy. Filed May 7, 1923.



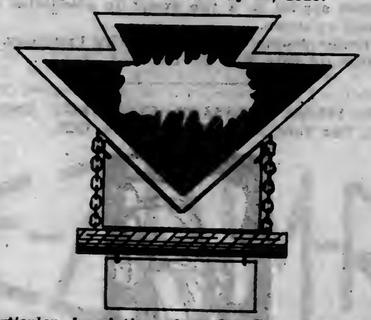
No claim is made to the words "Brand," "Specially Selected," "Peeled Tomatoes," "Finest Quality," "Italian," "Peeled Plum Tomatoes," "Ad Ubertatem," "Terracina," and "Roma" apart from the other features of the mark shown on the drawing.
Particular description of goods.—Peeled Tomatoes
Claims use since March, 1922.

Ser. No. 180,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEAD JOHNSON & COMPANY, Evansville, Ind. Filed May 11, 1923.

MEAD'S

Particular description of goods.—Specially-Prepared Food for Infants.
Claims use since Jan. 10, 1923.

Ser. No. 181,096. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OTTO A. WITTE, doing business as The Biff Manufacturing Company, Grand Rapids, Mich. Filed May 24, 1923.



Particular description of goods.—Soap Solutions and Cleansing Compounds.
Claims use since May 21, 1923.

Ser. No. 181,340. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GATES HOME MADE CANDY COMPANY, Philadelphia, Pa. Filed May 29, 1923.

Lady Fair

Particular description of goods.—Confections—Namely, Chocolates.
Claims use since March, 1919.

Ser. No. 181,454. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE PROTECTOMETER COMPANY, Jersey City, N. J. Filed June 1, 1923.

PROTECTOMETER

Particular description of goods.—Devices for Indicating Temperatures within Coal Piles.
Claims use since Sept. 6, 1922.

Ser. No. 181,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUSSE BAKING COMPANY, South Bend, Ind. Filed June 5, 1923.

BUSY BEE

Particular description of goods.—Bread.
Claims use since May 21, 1923.

Ser. No. 181,616. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SAMSTAG & HILDER BROS., New York, N. Y. Filed June 6, 1923.

KONDA
Prince of Pearls

No claim is made to the exclusive use of the words "Prince of Pearls" apart from the mark shown on the drawing.
Particular description of goods.—Imitation Pearls.
Claims use since Apr. 26, 1923.

Ser. No. 181,805. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTOMAT-INDUSTRIE-GESELLSCHAFT M. B. H., Vienna, Austria. Filed June 11, 1923.

FLEXO

"Flexo."
Particular description of goods.—Boring Machines; Clutches, Bore Chucks, Chucks, and Boring and Thread-Cutting Tools—Namely, Screw Taps, Tap Wrenches, Screw-Cutting Apparatus for Right and Left Hand Threads, Screw-Cutting Devices with Automatically-Opening Jaws, Etc.
Claims use since August, 1920.

Ser. No. 181,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. M. COBBY FLOUR & GRAIN CO., Birmingham, Ala. Filed June 11, 1923.

HIGH LIFE

Particular description of goods.—Dairy Feed, Chicken Feed, and Stock Feed.
Claims use since April, 1921.

Ser. No. 182,382. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINUTE TAPIOCA COMPANY, Orange, Mass. Filed June 23, 1923.



The horizontal lining in the drawing indicates a blue band. No claim is made to the exclusive right to an illustration of the fruit.
Particular description of goods.—Tropical Fruits—Namely, Pineapples, Grapefruit, and Oranges.
Claims use since May 29, 1923.

Ser. No. 182,950. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOODBRIDGE FRUIT COMPANY, Woodbridge, Calif. Filed July 7, 1923.

TRIANGLE

Particular description of goods.—Fresh Grapes, Deciduous Fruits, and Berries.
Claims use since Sept. 2, 1912.

Ser. No. 182,985. (CLASS 39. CLOTHING.) THE MOORE SHOE COMPANY, St. Louis, Mo. Filed July 9, 1923.



Particular description of goods.—Shoes Made of Leather or Fabric and of Combinations Thereof.
Claims use since June 22, 1923.

Ser. No. 183,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES J. COADTS, Brooklyn, N. Y. Filed July 12, 1923.



Particular description of goods.—Candy.
Claims use since May 4, 1923.

Ser. No. 183,330. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JAMES T. BROWN, Omaha, Nebr. Filed July 17, 1923.



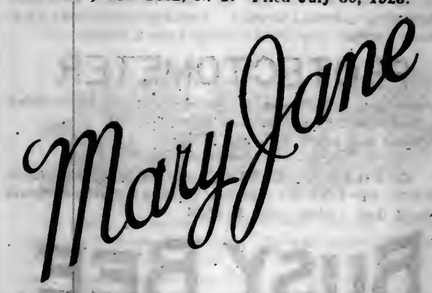
No claim is made to the representation of the tire protectors applied to a tire except in association with the mark as shown.
Particular description of goods.—Tire Protectors.
Claims use since May 25, 1923.

Ser. No. 183,364. (CLASS 39. CLOTHING.) CRUGERS, INC., New York, N. Y. Filed July 18, 1923.



The mark consists of the word "Cruger's" and other features.
Particular description of goods.—Outer Clothing for Men—viz, Overcoats, Two and Three Piece Suits and Individual Items Thereof, Hats, Caps, and Dress and Negligee Shirts—and Knitted and Woven Underclothing for Men, in One and Two Piece Garments, Collars, Neckties, Hosiery, Belts, and Leather and Fabric Shoes or Combinations Thereof.
Claims use since Oct. 31, 1922.

Ser. No. 183,821. (CLASS 39. CLOTHING.) CRESTON & DEMBY, New York, N. Y. Filed July 30, 1923.



Particular description of goods.—Ladies' Muslin and Silk Undergarments.
Claims use since May 1, 1922.

Ser. No. 183,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRESTIDGE FRUIT CO., Cutler, Calif. Filed Aug. 2, 1923.

TIGER



Particular description of goods.—Fresh Deciduous Fruits.
Claims use since June 1, 1923.

Ser. No. 184,176. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES A. MERRITT, doing business as The Dimmer Mfg. Co., Colorado Springs, Colo. Filed Aug. 7, 1923.

E-Z-DIM-R

Particular description of goods.—Electric Switch.
Claims use since Aug. 1, 1923.

Ser. No. 184,859. (CLASS 15. OILS AND GREASES.) THE INTEROCEAN OIL COMPANY, Pierre, S. Dak., and New York, N. Y. Filed Aug. 22, 1923.

GOVOLINE

"Govoline."
Particular description of goods.—Gasoline.
Claims use since June 1, 1914.

Ser. No. 185,096. (CLASS 39. CLOTHING.) STECKER, INC., Philadelphia, Pa. Filed Aug. 28, 1923.

JACQUERT

Particular description of goods.—Ladies' Dresses, Waists, and Coats.
Claims use since Feb. 1, 1923.

Ser. No. 185,225. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FERNAND CHARLES GILBERT MINCEL, Paris, France. Filed Aug. 31, 1923.



MADE IN FRANCE

Applicant hereby disclaims use of words "Made in France" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Dry Flongs for Printing.
Claims use since about 1893.

Ser. No. 185,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORSE CROWN CANNING CO., INC., New York, N. Y. Filed Sept. 7, 1923.

KIPPER-SNACKS

The word "Brand" is disclaimed apart from the other features of the mark.
Particular description of goods.—Canned Herrings.
Claims use since Feb. 7, 1922.

Ser. No. 185,580. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ARTHUR HARRIS & COMPANY, Chicago, Ill. Filed Sept. 10, 1923.

HARBRONZ

No claim is made to the word "Bronze" apart from the mark shown.
Particular description of goods.—Bearing Metal.
Claims use since Aug. 11, 1923.

Ser. No. 185,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL PECAN GROWERS EXCHANGE, Albany, Ga. Filed Sept. 17, 1923.

QUEEN

Particular description of goods.—Pecans in Their Natural State.
Claims use since 1921.

Ser. No. 185,884. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ERNEST M. VIQUESNEY, Spencer, Ind. Filed Sept. 17, 1923.

KLAN-LITE

Particular description of goods.—Electric-Lighting Fixtures—Namely, Lamps and Candlesticks.
Claims use since May 1, 1923.

Ser. No. 186,113. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Filed Sept. 24, 1923.

Paris POCAHONTAS FRANCE

No claim is made to the words "Paris" and "France" apart from the mark shown.
Particular description of goods.—Soaps, Soap Pastes, and Soap Powders.
Claims use since July 1, 1923.

Ser. No. 186,157. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAIL WELDING & BONDING COMPANY, Cleveland, Ohio. Filed Sept. 24, 1923.

UNA

Particular description of goods.—Rail Bonds.
Claims use since Apr. 15, 1922.

Ser. No. 186,193. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN KING & SON, Glasgow, Scotland. Filed Sept. 25, 1923.



Particular description of goods.—Window Hollands, Being Cotton Piece Goods.
Claims use since Dec. 31, 1860.

Ser. No. 186,199. (CLASS 37. PAPER AND STATIONERY.) E. B. RANKIN, Los Angeles, Calif. Filed Sept. 25, 1923.

ThumprinT

No claim made to the mark apart from the arrangement shown.
Particular description of goods.—Identification Equipments Consisting of Labels Containing Printed Identification Matter for Use in Connection with Valuable Financial and Legal Instruments.
Claims use since July 9, 1923.

Ser. No. 186,357. (CLASS 39. CLOTHING.) GERMA GAUDIAS DROUIN, Montreal, Canada. Filed Sept. 29, 1923.



Particular description of goods.—Hats and Caps for Men and Women.
Claims use since Aug. 29, 1922.

Ser. No. 186,626. (CLASS 39. CLOTHING.) ARTSILK KNITTING MILLS, West New York, N. J. Filed Oct. 6, 1923.

TRICOSHAM

Particular description of goods.—Women's, Misses', and Girls' Dresses.
Claims use since Mar. 21, 1922.

Ser. No. 186,678. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Oct. 6, 1923.



Particular description of goods.—Negligee and Work Shirts.
Claims use since July, 1922.

Ser. No. 186,823. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARRIE E. BAKER, Chicago, Ill. Filed Oct. 11, 1923.

Carrie E. Baker

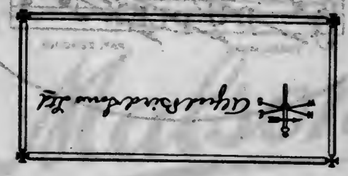
Particular description of goods.—Medical Compound for External Use in the Treatment of Skin Diseases, Chilblains, Sore and Swollen Feet, Frostbite, Dandruff, Scalp, and Hair.
Claims use since Sept. 15, 1923.

Ser. No. 186,985. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FLINT & WALLING MFG. CO., Kendallville, Ind. Filed Oct. 15, 1923.

GALVAZINK

The drawing is lined to express shading.
Particular description of goods.—Wind, Gas, Internal-Combustion, Water, and Manual Motors, Transmission Gearing, Hydropneumatic Cylinders, Air Cylinders, Water Cylinders, Pump Brackets, Pumps, Water-Supply Systems, and Pneumatic Water-Supply Systems, with Controllers, Indicators, and Regulators Thereof.
Claims use since June 1, 1923.

Ser. No. 187,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED BIRD AND SONS, LIMITED, Birmingham, England. Filed Oct. 16, 1923.



The words "Dessert Powder" being hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Dessert Powder.
Claims use since 1914.

Ser. No. 187,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTARVIN CO., INC., Long Island City, N. Y. Filed Oct. 16, 1923.

INTARVIN

Particular description of goods.—Dietetic Fat Compound for Internal Use in the Treatment of Diabetes.
Claims use since Sept. 15, 1923.

Ser. No. 187,186. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Oct. 19, 1923.

Bungalow

Particular description of goods.—Cotton Piece Goods.
Claims use since August, 1914.

Ser. No. 187,406. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CRAIGULATOR SERVICE CORPORATION, Providence, R. I. Filed Oct. 24, 1923.

CRAIGULATOR

"Craigulator."
Particular description of goods.—Coal Furnaces, Coal Heaters, and Draft Attachments and Fuel-Conserving Appliances Thereof, Including Dampers.
Claims use since June 1, 1922.

Ser. No. 187,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT P. PAGE, doing business as Sparky Manufacturing Co., Boston, Mass. Filed Oct. 24, 1923.

SpArKy

Particular description of goods.—Ice-Cream Sandwiches, Cake, Ice Cream, and Ice-Cream Delicacies.
Claims use since July 1, 1920.

Ser. No. 187,550. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE TRUMBULL STEEL COMPANY, Warren, Ohio. Filed Oct. 26, 1923.



No claim is made to the words "Trade Mark" apart from the mark as shown.
Particular description of goods.—Coke Tin Plate, One-Pass Cold-Rolled Black Sheets, Tin-Mill Black Sheets, Galvanized Sheets, Blue Annealed Sheets, Full-Finished Sheets, Electrical Sheets, Long Ternes, Short Ternes, Auto Body Sheets, Hot-Rolled Strip Steel, and Cold-Rolled Strip Steel.
Claims use since Oct. 3, 1923.

Ser. No. 187,610. (CLASS 37. PAPER AND STATIONERY.) LOUIS F. DOW COMPANY, St. Paul, Minn. Filed Oct. 29, 1923.



The representation of the pencil and the words "The Universal Pencil" are hereby disclaimed.
Particular description of goods.—Pencils.
Claims use since on or about Aug. 1, 1923.

Ser. No. 187,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES BROTHERS, Atlantic City, N. J. Filed Nov. 2, 1923. Under ten-year proviso.



Particular description of goods.—Candies and Ice Cream.
Claims use since on or about June 1, 1880.

Ser. No. 187,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES BROTHERS, Atlantic City, N. J. Filed Nov. 2, 1923.



Particular description of goods.—Candy.
Claims use since on or about Apr. 15, 1923.

Ser. No. 187,882. (CLASS 37. PAPER AND STATIONERY.) JACK D. SNOW, doing business as Iridium Point Pen Co., New York, N. Y. Filed Nov. 2, 1923.

BAND O' WHITE

Particular description of goods.—Fountain Pens.
Claims use since Jan. 15, 1923.

Ser. No. 187,947. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER LYTTON, INC., Chicago, Ill. Filed Nov. 3, 1923.



The words "Radio" and "Duplex" apart from the mark shown are disclaimed for the purposes of the present registration and without waiving any of applicant's common-law rights to the trade-mark. The words "Trade Mark" and "Pat. Pending" are disclaimed.
Particular description of goods.—Radio Receiving Sets.
Claims use since Feb. 12, 1923.

Ser. No. 188,022. (CLASS 39. CLOTHING.) MYSTYLE HOSIERY SHOPS, INC., Atlanta, Ga. Filed Nov. 5, 1923.



No claim is made to the word "Hosiery" apart from the mark shown in the accompanying drawing.
Particular description of goods.—Hosiery.
Claims use since Oct. 1, 1923.

Ser. No. 188,032. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES WAGENFÜHR CO., New York, N. Y. Filed Nov. 5, 1923.

TAP-ON



TIC-ON

Particular description of goods.—Game in Which the Pieces Accompanying the Game are Placed upon a Table in Sight of All of the Players with the Exception of One Whose Back is Turned. The leader Taps on a Piece Calling "Tap-On" and the One Whose Back has Been Turned Faces the Table and Proceeds to Take the Pieces One at a Time Until He or She Touches the One Tapped, When the Player Calls "Tic-On," and the Removal of the Pieces is Discontinued.
Claims use since Oct. 30, 1923.

Ser. No. 188,156. (CLASS 39. CLOTHING.) M. A. LESSER, New York, N. Y. Filed Nov. 9, 1923.

Malson

Particular description of goods.—Sweaters, Bathing Suits, and Hosiery.
Claims use since April, 1923.

Ser. No. 188,187. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ELKONITE SOAP CO., Oakland, Calif. Filed Nov. 10, 1923.



Particular description of goods.—Soap Powder.
Claims use since Mar. 2, 1921.

Ser. No. 188,198. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFIELD WORSTED MILLS, Garfield, N. J. Filed Nov. 10, 1923.

DAPPLE-TONE

Particular description of goods.—Worsted Dress Goods.
Claims use since June 13, 1923.

Ser. No. 188,199. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFIELD WORSTED MILLS, Garfield, N. J. Filed Nov. 10, 1923.

TWILLOSHEEN

Particular description of goods.—Worsted Dress Goods.
Claims use since May 10, 1923.

Ser. No. 188,200. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFIELD WORSTED MILLS, Garfield, N. J. Filed Nov. 10, 1923.

TWILLBLOOM

Particular description of goods.—Worsted Dress Goods.
Claims use since May 1, 1923.

Ser. No. 188,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. F. THIBODEAU COMPANY, INC., Detroit, Mich. Filed Nov. 13, 1923.



Particular description of goods.—Creamery Butter.
Claims use since May 1, 1923.

Ser. No. 188,314. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KING PROFIT SHARING SEED COMPANY, INC., Richmond, Va. Filed Nov. 14, 1923.

ORIGINAL KING SEED
KING COTTON
DIRECT FROM ORIGINATOR

Applicant makes no claim to the exclusive use of the words appearing on the drawing.
Particular description of goods.—Cottonseed.
Claims use since Sept. 1, 1923.

Ser. No. 188,363. (CLASS 39. CLOTHING.) A. FREEDMAN & SONS, INC., Brockton, Mass. Filed Nov. 15, 1923.



"HARD TO BEAT"

Particular description of goods.—Leather and Combination Leather and Fabric Boots and Shoes.
Claims use since Sept. 13, 1923.

Ser. No. 188,408. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CROFTS & REED CO., Chicago, Ill. Filed Nov. 16, 1923.

CROFTS & REED CO. CHICAGO



HEBE

CROFTS & REED CO. CHICAGO

No claim is made to the exclusive use of the word "Chicago" apart from the mark shown.
Particular description of goods.—Soap and Cream Shaving Soap.
Claims use since Oct. 1, 1923.

Ser. No. 188,419. (CLASS 39. CLOTHING.) JULIUS KAYSER & CO., New York, N. Y. Filed Nov. 16, 1923.

Chamoisette

Particular description of goods.—Fabric Gloves.
Claims use since Aug. 1, 1907.

Ser. No. 188,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Nov. 16, 1923.

S and W

CALASIA

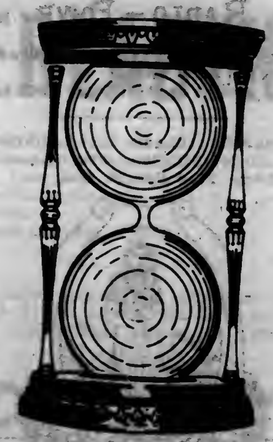
Particular description of goods.—Whole Figs Canned, Preserving Natural Flavor of Fresh Figs.
Claims use since about Oct. 1, 1922.

Ser. No. 188,515. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.



For the purpose of registration, however, applicant does not claim the exclusive right to the representation of the goods or to the phrase "Hour Saving Apparatus" apart from the mark as shown.
Particular description of goods.—Clothes Ironing and Washing Machines.
Claims use since Apr. 1, 1923.

Ser. No. 188,520. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 19, 1923.



Particular description of goods.—Electric Suction Cleaners.
Claims use since Apr. 1, 1923.

Ser. No. 188,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Nov. 19, 1923.

BOSS

Particular description of goods.—Stock Feed.
Claims use since 1890.

Ser. No. 188,574. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1923.

Aetna

Particular description of goods.—Electric Controlling Devices for Hydrocarbon Burners.
Claims use since on or about July 1, 1920.

Ser. No. 188,601. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MERCURY RADIO PRODUCTS COMPANY, Little Falls, N. J. Filed Nov. 20, 1923.



Particular description of goods.—Radio Receiving Sets, Transformers, Loops, and Sockets.
Claims use since April, 1922.

Ser. No. 188,628. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FABRIQUES MOVADO, La Chaux-de-Fonds, Switzerland. Filed Nov. 21, 1923.



No claim is made to the words "Grand Prix avec Felicitations du Jury Bruxelles 1910" and the representation of a watch apart from the mark shown in the drawing.
Particular description of goods.—Watches and Parts Thereof.
Claims use since about Dec. 1, 1910.

Ser. No. 188,632. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) KEACH AND GREENE, Philadelphia, Pa. Filed Nov. 21, 1923.

"SNAP-KAP"

Particular description of goods.—Attachment for the Protection of the Reed of a Saxophone or Similar Musical Instrument.
Claims use since March, 1923.

Ser. No. 188,673. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FORD MICA COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 22, 1923.

SUPERTRAN

Particular description of goods.—Audiofrequency Transformer for Use in Radio Sets.
Claims use since Oct. 3, 1923.

Ser. No. 188,751. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FUCOMA COMPANY, INC., New York, N. Y. Filed Nov. 23, 1923.

Fucoma

Particular description of goods.—Butter-Fat-Testing Apparatus and Instruments and Parts Thereof, Butter-Moisture-Testing Apparatus and Instruments and Parts Thereof, Dairy-Products-Testing Apparatus and Appliances.
Claims use since 1913.

Ser. No. 188,776. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SOCIETE ANONYME FABRIQUE D'HORLOGERIE FRITZ MOERI, St. Imier, Switzerland. Filed Nov. 23, 1923.

MOERIS

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since about Feb. 15, 1910.

Ser. No. 188,777. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SOCIETE ANONYME FABRIQUE D'HORLOGERIE FRITZ MOERI, St. Imier, Switzerland. Filed Nov. 23, 1923.

MOERIS

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since about Feb. 15, 1910.

Ser. No. 188,897. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE EAGLE CARBURETOR COMPANY, Cleveland, Ohio. Filed Nov. 26, 1923.

RADIO – POWR.

Particular description of goods.—Filament-Heating Transformers and Parts Thereof.
Claims use since on or about Oct. 1, 1923.

Ser. No. 188,907. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE HOLLAND MAID CO., Holland, Mich. Filed Nov. 26, 1923.

Holland Maid

Particular description of goods.—Laundry Washing Machines and Ironing Machines.
Claims use since Feb. 1, 1923.

Ser. No. 188,936. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STAAR STORAGE BATTERY CO., Chicago, Ill. Filed Nov. 26, 1923.

Staar 2 YEAR GUARANTEE Storage Battery

No claim is made to the words "2 Year Guarantee" and "Storage Battery" apart from the mark shown in the drawing.
Particular description of goods.—Storage, Radio, Ignition, and Lighting Batteries.
Claims use since May 23, 1923.

Ser. No. 188,954. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Nov. 27, 1923.

DUO-REFLEX

Particular description of goods.—Radio Electrical Appliances—Namely, Transformers, Coils, Fixed Condensers, Variable Condensers, Audiofrequency Transformers, Radiofrequency Transformers, Radio Sets, and Component Parts Thereof.
Claims use since Apr. 1, 1923.

Ser. No. 188,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Nov. 27, 1923.

ERLADYNE

Particular description of goods.—Radio Electrical Appliances—Namely, Transformers, Coils, Fixed Condensers, Variable Condensers, Audiofrequency Transformers, Radiofrequency Transformers, Radio Sets, and Component Parts Thereof.
Claims use since Apr. 1, 1923.

Ser. No. 188,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Nov. 27, 1923.

ERLAFLEX

Particular description of goods.—Radio Electrical Appliances—Namely, Transformers, Coils, Fixed Condensers, Variable Condensers, Audiofrequency Transformers, Radiofrequency Transformers, Radio Sets, and Component Parts Thereof.
Claims use since Apr. 1, 1923.

Ser. No. 188,957. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill. Filed Nov. 27, 1923.

TRIPLEX

Particular description of goods.—Radio Electrical Appliances—Namely, Transformers, Coils, Fixed Condensers, Variable Condensers, Audiofrequency Transformers, Radiofrequency Transformers, Radio Sets, and Component Parts Thereof.
Claims use since Apr. 1, 1923.

Ser. No. 188,970. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PEARL RADIO CORPORATION, Philadelphia, Pa. Filed Nov. 27, 1923.

PEARLCO

Particular description of goods.—Variometers, Variocouplers, Transformers, Condensers, Potentiometers, Rheostats, Jacks, Loud Speakers, Honeycomb Coils, Amplifiers, and Complete Radio Sets.
Claims use since Mar. 1, 1922.

Ser. No. 188,972. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIONOGRAPH CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 27, 1923.

RADIONOGRAPH

Particular description of goods.—Complete Radio Receiving Sets Using Phonographs for Mechanical Sound Amplification.
Claims use since about Aug. 20, 1923.

Ser. No. 188,974. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SECTRON RADIO CO., Cleveland, Ohio. Filed Nov. 27, 1923.

SECTRON

Particular description of goods.—Radio Receiving Sets.
Claims use since May, 1923.

Ser. No. 189,007. (CLASS 33. GLASSWARE.) THE NONIK GLASSWARE CORPORATION, New York, N. Y. Filed Nov. 28, 1923.

DURA

Particular description of goods.—Table Glassware.
Claims use since July 1, 1923.

Ser. No. 189,014. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEX. SHEPPARD AND SONS, INC., Philadelphia, Pa. Filed Nov. 28, 1923.

MORNING SIP

Particular description of goods.—Roasted Coffee.
Claims use since about Jan. 1, 1903.

Ser. No. 189,022. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WORLD BOTTLING CO., LTD., New Orleans, La. Filed Nov. 28, 1923.

JUDY PUNCH

The word "Punch" is disclaimed apart from its association as shown.
Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since June 15, 1922.

Ser. No. 189,053. (CLASS 39. CLOTHING.) HIGH POINT OVERALL CO., High Point, N. C. Filed Nov. 30, 1923.

CAROLINA SPECIAL

Particular description of goods.—Overalls, Coats, Jumpers, Pants, and Work Shirts.
Claims use since July, 1923.

Ser. No. 189,132. (CLASS 39. CLOTHING.) MANHATTAN CORSET COMPANY, New York, N. Y. Filed Dec. 1, 1923.

Beauti-stay

Particular description of goods.—Corsets.
Claims use since about Aug. 1, 1923.

Ser. No. 189,155. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE EAGLE CARBURETOR COMPANY, Cleveland, Ohio. Filed Dec. 3, 1923.

EAGLE

Particular description of goods.—Battery-Charging Apparatus and Parts Thereof.
Claims use since on or about Oct. 1, 1923.

Ser. No. 189,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. FAVALORO SONS INC., New Orleans, La. Filed Dec. 4, 1923.

CARMELA

Particular description of goods.—Tomato Paste.
Claims use since January, 1915.

Ser. No. 189,190. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. FAVALORO SONS INC., New Orleans, La. Filed Dec. 4, 1923.

COWBOY

Particular description of goods.—Tomato Paste.
Claims use since January, 1915.

Ser. No. 189,229. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Dec. 5, 1923.

AIMCEE

Particular description of goods.—Soap.
Claims use since Sept. 21, 1922.

Ser. No. 189,230. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Dec. 5, 1923.

Aimcee

Particular description of goods.—House Dresses and Nurses' Uniforms.
Claims use since Sept. 17, 1923.

Ser. No. 189,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., Iwilei, Territory of Hawaii, and San Francisco, Calif. Filed Dec. 6, 1923.

TROPINE

Particular description of goods.—Canned Fruits—Namely, Pineapple, Fruit Butters, and Marmalade.
Claims use since Nov. 16, 1923.

Ser. No. 189,359. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ICA AKTIENGESELLSCHAFT, Dresden, Germany. Filed Dec. 7, 1923.

Kinamo

The trade-mark consists of the coined word "Kinamo."
Particular description of goods.—Small Complete Motion-Picture Camera for Standard Films and Accessories for this Camera—Namely, Tripods, Tripod Tops or Heads, Projectors, Film-Developing Tanks, Film Printing Boxes, Rewinding Machines, Spool Holders, Sunshades, and Water Wheels for Film-Developing Tanks.
Claims use since Mar. 6, 1921.

Ser. No. 189,371. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MULTIPLE ELECTRIC PRODUCTS COMPANY, INC., New York, N. Y. Filed Dec. 7, 1923.



No claim is made to the representation of a sound-amplifying device apart from the mark shown in the drawing.
Particular description of goods.—Radio Loud Speakers.
Claims use since Apr. 1, 1923.

Ser. No. 189,387. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CHEER LEADER & CO., Cincinnati, Ohio. Filed Dec. 8, 1923.

THE CHEER LEADER

Particular description of goods.—Inspiration Cards.
Claims use since Dec. 5, 1923.

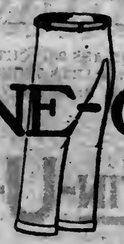
Ser. No. 189,459. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY E. HOWIND, Chicago, Ill. Filed Dec. 10, 1923.



No claim is made for "Polishing Cloths" apart from the mark shown.
Particular description of goods.—Treated Cloths for Polishing and Cleaning Metal—Treated Waste for Polishing and Cleaning Metal, Treated Cloths for Cleaning and Polishing Furniture.
Claims use since Dec. 1, 1923.

Ser. No. 189,490. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SARKIS N. CHAKEJIAN, New York, N. Y. Filed Dec. 11, 1923.

SHINE-OFF



No claim is made to the words "Shine-Off" apart from the mark shown in the drawing.
Particular description of goods.—Preparation to Remove Stains and the Shine in Clothing, in Liquid Form.
Claims use since Feb. 15, 1922.

Ser. No. 189,497. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Dec. 11, 1923.

Classic

Particular description of goods.—Watches and Watchcases.
Claims use since on or about Jan. 1, 1921.

Ser. No. 189,510. (CLASS 15. OILS AND GREASES.) EDWARD S. MCMAKIN, Kalamazoo, Mich. Filed Dec. 11, 1923.

EMELINE

Particular description of goods.—Lubricating Oil.
Claims use since March, 1921.

Ser. No. 189,520. (CLASS 27. HOROLOGICAL INSTRUMENTS.) I. & S. PRUTINSKY & WOOLF, doing business as Pandow Watch Co., New York, N. Y. Filed Dec. 11, 1923.

PANDOW

Particular description of goods.—Watches, Watch Cases and Movements.
Claims use since about June 10, 1923.

Ser. No. 189,541. (CLASS 39. CLOTHING.) BENJAMIN WEISSMAN, Philadelphia, Pa. Filed Dec. 11, 1923.



The mark comprises a fanciful representation of a man's head.
Particular description of goods.—Neckties.
Claims use since May, 1921.

Ser. No. 189,542. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WIMBERLY & THOMAS HARDWARE COMPANY, Birmingham, Ala. Filed Dec. 11, 1923.



The lining expressing the color red.

Particular description of goods.—Pocketknives, Razors, Scissors, Shears, Scythes, Axes, Coal Picks, Railroad Picks, Sledge Hammers, Hatchets, Lawn Mowers, Food Choppers, Saw and Other Tool Handles, Grass Hooks, Shovels, Cultivators, Fertilizer Distributors, Cross-Tie Wedges, Coal Drills, Chimney Sweeps, Handsaws, Chisels, Drawknives.

Claims use since about 1900.

Ser. No. 189,546. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AUTOCALL COMPANY, Shelby, Ohio. Filed Dec. 12, 1923.

Autocall

Particular description of goods.—Apparatus and Equipment for Use in Paging Service, Fire-Alarm Service, and Watchmen's Supervisory Service, Such Apparatus and Equipment Consisting of Electrically-Operated Code Senders and Signal Transmitters for Use in Automatic Code Signaling, Electric Fire-Alarm Boxes, Electric Watchman's Signal Boxes, Electrically Operated or Controlled Bells, Gongs, Buzzers, and Whistles, Electrically Operated or Controlled Recording Devices and Punch Registers, and Electric Motors, Switches, Panel Boards, Batteries, and Components of Apparatus as Aforesaid.

Claims use since 1909.

Ser. No. 189,576. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NEW YORK TRANSPORTATION CO., New York, N. Y. Filed Dec. 12, 1923.

FIFTH AVENUE

Particular description of goods.—Motor Busses.

Claims use since May, 1920.

Ser. No. 189,577. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NITRAM PRODUCTS COMPANY, INC., Paterson, N. J. Filed Dec. 12, 1923.



In the mark the lozenge shown is lined to represent the color orange.

Particular description of goods.—Platinum-Substitute Wire and Platinum-Substitute Tubulated Wires for Electrical Purposes.

Claims use since Nov. 30, 1923.

Ser. No. 189,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLYMOUTH CITRUS GROWERS ASS'N, Plymouth, Fla. Filed Dec. 12, 1923.

PLYMOUTH ROCK



Particular description of goods.—Fresh Citrous Fruits.

Claims use since Nov. 6, 1923.

Ser. No. 189,658. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BULLARD MACHINE TOOL CO., Bridgeport, Conn. Filed Dec. 14, 1923.

CONTIN-U-MATIC

Particular description of goods.—Metal-Working Machines, and Particularly Machines of the Multiple-Spindle Vertical Type.

Claims use since Nov. 8, 1923.

Ser. No. 189,669. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GISHOLT MACHINE COMPANY, Madison, Wis. Filed Dec. 14, 1923.

SIMPLADJUSTABLE

Particular description of goods.—Reamers.

Claims use since June 30, 1922.

Ser. No. 189,711. (CLASS 39. CLOTHING.) THE ELHART CO., New York, N. Y. Filed Dec. 15, 1923.



"ELHART"

Particular description of goods.—Play Suits, Wash Suits, Flapper Suits, Baseball Suits, Hiking Suits, Boys' Shirts and Blouses, Middy Blouses, Rompers, Creepers, Sweater Coats, Sweaters, Dresses, Slip-Ons, Knitted Leggings, Knitted Caps, Infants' Sacks, Angora Sweaters, Angora Hats, and Angora Scarfs.

Claims use since Dec. 5, 1923.

Ser. No. 189,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMPSON MILLING CO., Lockport, N. Y. Filed Dec. 15, 1923.

IRON CLAD

Particular description of goods.—Wheat Flour.

Claims use since Aug. 6, 1923.

Ser. No. 189,760. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COMALT CO. INC., Glendale, Calif. Filed Dec. 17, 1923.



CHOCOLATE MALTED MILK

The lining as shown in the drawing denotes the color red. No claim is made to the exclusive use of the words "Keep on Ice as You Would Milk," and the words "Chocolate Malted Milk" apart from the mark as shown in the drawing.

Particular description of goods.—Food Products—viz, Chocolate Malted Milk.

Claims use since July 2, 1923.

Ser. No. 189,772. (CLASS 32. FURNITURE AND UPHOLSTERY.) GEORGE S. FRAZIER, Sebring, Ohio. Filed Dec. 17, 1923.

COZY

Particular description of goods.—Seat Pads Made in Whole or in Part of Rubber.

Claims use since Sept. 15, 1923.

Ser. No. 189,791. (CLASS 37. PAPER AND STATIONERY.) KOHINOOR BLEISTIFTFABRIK L. & C. HARDTMUTH IN BUDWEIS, Budweis, Czechoslovakia. Filed Dec. 17, 1923.

AVIATOR

Particular description of goods.—Copying-Ink Pencils.

Claims use since March, 1907.

Ser. No. 189,792. (CLASS 37. PAPER AND STATIONERY.) KOHINOOR BLEISTIFTFABRIK L. & C. HARDTMUTH IN BUDWEIS, Budweis, Czechoslovakia. Filed Dec. 17, 1923.

KOH-I-NOOR

Particular description of goods.—Copying Pencils, Colored-Chalk Pencils, Propeling Pencils, Artists' Pencils, Lead-Pencil Refills, Colored-Chalk-Pencil Refills, Copying-Pencil Refills, Penholders, Pencil-Point Protectors, Fountain-Pen and Pencil Clips, India-Rubber Pencil Erasers, India-Rubber Ink Erasers, India-Rubber Bands and Rings, Colored Chalks.

Claims use since December, 1890.

Ser. No. 189,794. (CLASS 37. PAPER AND STATIONERY.) KOHINOOR BLEISTIFTFABRIK L. & C. HARDTMUTH IN BUDWEIS, Budweis, Czechoslovakia. Filed Dec. 17, 1923.

Mephisto.

Particular description of goods.—Copying Pencils, Colored Copying Lead Pencils, Copying-Pencil Refills, and Penholders.

Claims use since December, 1890.

Ser. No. 189,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORNELIUS W. ANTONY, doing business as Allegheny Butter Co., Pittsburgh, Pa. Filed Dec. 19, 1923.

ABC

Particular description of goods.—Butter.

Claims use since Jan. 1, 1903.

Ser. No. 189,883. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRYSTAL CANDY CO., Winston-Salem, N. C. Filed Dec. 19, 1923.

CORN BREAD

Particular description of goods.—Candy.
Claims use since Nov. 1, 1923.

Ser. No. 189,887. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE EBLING COMPANY, New York, N. Y. Filed Dec. 19, 1923.



Particular description of goods.—Malt Sirup.
Claims use since Nov. 1, 1923.

Ser. No. 189,919. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN ELLERY SARGENT, Morgan, Ky. Filed Dec. 19, 1923.

FRESH-O-

Particular description of goods.—Systems for Supplying Water.
Claims use since May 14, 1923.

Ser. No. 189,932. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHOPAK TEXTILE CO., INC., New York, N. Y. Filed Dec. 20, 1923.



No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Artificial-Silk Fabrics.
Claims use since Dec. 1, 1923.

Ser. No. 189,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. RUPP, Fort Wayne, Ind. Filed Dec. 21, 1923.

GU-GU

Particular description of goods.—Candy.
Claims use since Sept. 28, 1923.

Ser. No. 190,008. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CURTISS CANDY COMPANY, Chicago, Ill. Filed Dec. 22, 1923.

Baby Ruth

Particular description of goods.—Candy—Namely, Chocolate-Coated Bars.
Claims use since November, 1921.

Ser. No. 190,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORLICK'S MALTED MILK COMPANY, Racine, Wis. Filed Dec. 24, 1923.



Particular description of goods.—Malted Milk.
Claims use since Dec. 1, 1923.

Ser. No. 190,057. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE LUMINITE CORPORATION, Newark, N. J. Filed Dec. 24, 1923.

RADIUM-GLO

Particular description of goods.—Watches and Clocks.
Claims use since Dec. 12, 1922.

Ser. No. 190,061. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONALD PRESS COMPANY, New York, N. Y. Filed Dec. 24, 1923.

Electronagraf

Particular description of goods.—Books Containing a Concise and Stimulating Treatment of a Single Subject Matter Graphically Illustrated with Pictures, Charts, and Diagrams.
Claims use since about Dec. 15, 1923.

Ser. No. 190,062. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONALD PRESS COMPANY, New York, N. Y. Filed Dec. 24, 1923.

Electronagram

Particular description of goods.—Books Containing a Concise, Efficient, and Stimulating Treatment of a Single Subject Matter.
Claims use since on or about Dec. 15, 1923.

Ser. No. 190,063. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONALD PRESS COMPANY, New York, N. Y. Filed Dec. 24, 1923.

Ronagram

Particular description of goods.—Books Relating to Abstruse, Didactic, and Professional Matters.
Claims use since on or about Dec. 15, 1923.

Ser. No. 190,064. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONALD PRESS COMPANY, New York, N. Y. Filed Dec. 24, 1923.

Ronagraf

Particular description of goods.—Books Relating to Abstruse, Didactic, and Professional Matters and Containing Illustrations, Charts, Diagrams, and Graphic Representations.
Claims use since on or about Dec. 15, 1923.

Ser. No. 190,107. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAS. LEDNER, doing business as Cleantru Products Co., New York, N. Y. Filed Dec. 26, 1923.

CLEANTRU

Particular description of goods.—Cleaner for Jewelry, Silverware, Woodwork, Flooring, Marble, Rugs, Dishes, Tile, Linoleum, Automobiles, Beds, Etc., and for Use as a Water Softener and Hand Cleaner Put Up in Liquid, Powder, or Paste Form.
Claims use since about Nov. 20, 1923.

Ser. No. 190,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTON L. MILLER, doing business as Charles N. Miller Co., Boston, Mass. Filed Dec. 26, 1923.

SUNNY

CRISP

Particular description of goods.—Candies.
Claims use since November, 1923.

Ser. No. 190,131. (CLASS 39. CLOTHING.) ROSENAU BROS. INC., Philadelphia, Pa. Filed Dec. 26, 1923.



No claim is made herein to the words "Nu-Way-Frock" alone or apart from the mark as shown in the drawing.
Particular description of goods.—Children's Dresses.
Claims use since Dec. 17, 1923.

Ser. No. 190,166. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JUST BORN, INC., New York, N. Y. Filed Dec. 27, 1923.



"Just Born"

Particular description of goods.—Candies and Chocolates.
Claims use since November, 1918.

Ser. No. 190,201. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE LORENZE MILLER, doing business as Commercial Art Service, Decatur, Ill. Filed Dec. 28, 1923.



The words "Decatur, Ill." appearing on the drawing are disclaimed as a part of the mark on which registration is requested.
Particular description of goods.—Commercial Art Posters.
Claims use since Nov. 20, 1920.

Ser. No. 190,202. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 28, 1923.

COLUMBIA

"THREE"
RADIO BATTERY

Exclusive right to the use of the phrase "Radio Battery" apart from the associated elements of the mark is hereby disclaimed.
Particular description of goods.—Dry Batteries.
Claims use since about June 1, 1923.

Ser. No. 190,208. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE RINGLESS PISTON AND SUPPLY COMPANY, Topeka, Kans. Filed Dec. 28, 1923.



No claim is made for the picture of the piston apart from the mark shown by the drawing.

Particular description of goods.—Pistons for Engines.

Claims use since Apr. 6, 1923.

Ser. No. 190,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CANBY, ACH & CANBY CO., Dayton, Ohio. Filed Dec. 29, 1923.

KING COLE

Particular description of goods.—Salad Mustard.

Claims use since Dec. 1, 1923.

Ser. No. 190,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNN & THOMPSON, Raleigh, N. C. Filed Dec. 29, 1923.



Particular description of goods.—Canned Beans (Lima), Canned Refugee Beans, Canned Peas, and Canned Coffee.

Claims use since 1920.

Ser. No. 190,248. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ERISMAN LABORATORIES, New York, N. Y. Filed Dec. 29, 1923.

PYRATEK

Particular description of goods.—Crystal Detectors and Rectifiers.

Claims use since Dec. 20, 1923.

Ser. No. 190,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LORENZO F. FLOWER, Bayard, Nebr. Filed Dec. 29, 1923.

CENTAMEAL

Particular description of goods.—Coffee, Tea, Cocoa, Pepper, Butter, Lard, Peanut Butter, Vinegar, Jellies, Wheat Flour, Crackers, Corn Meal, Rolled Oats, Canned Pineapple, Canned Pears, Canned Cherries, Dried Apples, Dried Peaches, Dried Prunes, Dried Raisins, Dried Beans, Canned Corn, Canned Peas, Catchup, and Lemon Extract, Honey, and Sirup and Corn Sirup for Food Purposes.

Claims use since Nov. 6, 1923.

Ser. No. 190,282. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BERNARD COHEN, New York, N. Y. Filed Dec. 31, 1923.

La Monna Vanna

Particular description of goods.—Pearls.

Claims use since Oct. 1, 1923.

Ser. No. 190,297. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANCIS R. HOYT, New York, N. Y., assignor to The Willson Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923.

PHUSIFORMER

Particular description of goods.—Radio Coupling Transformer.

Claims use since on or about Nov. 1, 1923.

Ser. No. 190,299. (CLASS 39. CLOTHING.) M. HENRY LAMBERT, New York, N. Y. Filed Dec. 31, 1923.

Scotknit

Particular description of goods.—Overcoats, Suits, Raincoats.

Claims use since Oct. 1, 1922.

Ser. No. 190,310. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NORTHERN ENGRAVING COMPANY, La Crosse, Wis. Filed Dec. 31, 1923.



Applicant disclaims "La Crosse, Wis." apart from the mark as shown.

Particular description of goods.—Ammeters for Automobiles.

Claims use since Oct. 29, 1923.

Ser. No. 190,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SWINNEY AND SWINNEY, Sacramento, Calif. Filed Dec. 31, 1923.

S AND S PERFECTION

No claim made to the word "Perfection" aside from the mark shown.

Particular description of goods.—Cake Icing.

Claims use since July 15, 1915.

Ser. No. 190,320. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED LINED TUBE & VALVE CO., Boston, Mass. Filed Dec. 31, 1923.

TUBOND

Particular description of goods.—Metal Pipes.

Claims use since May 15, 1923.

Ser. No. 190,331. (CLASS 39. CLOTHING.) COHN-GOLDWATER COMPANY, Los Angeles, Calif. Filed Jan. 2, 1924.

PALMDAYL

Particular description of goods.—Men's, Boys', and Women's Dress, Negligee, and Work Shirts, Nightshirts, Pyjamas; Boys' Blouses, and Women's Blouses.

Claims use since June, 1922.

Ser. No. 190,332. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GIANT SPRING BUMPER CO., INC., New York, N. Y. Filed Jan. 2, 1924.



No claim is made to the words "Spring Bumper" apart from the trade-mark as shown.

Particular description of goods.—Spring Bumpers for Automobiles.

Claims use since July 30, 1923.

Ser. No. 190,347. (CLASS 39. CLOTHING.) ALFRED A. KOHN, New York, N. Y. Filed Jan. 2, 1924.

MAC-HIKER

Particular description of goods.—Shoes Made of Leather and Shoes Having Combinations of Leather and Fabric Top.

Claims use since Aug. 1, 1923.

Ser. No. 190,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES E. WALKER, doing business as J. E. Walker & Co., Avoca, N. Y. Filed Jan. 2, 1924.



No claim is made for the word "Brand" apart from the mark shown by the drawing.

Particular description of goods.—Raw Potatoes.

Claims use since Nov. 9, 1923.

Ser. No. 190,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BICHARA MALHAMÉ, Paris, France. Filed Jan. 3, 1924.



Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Cold Cream, Brilliantine, Lotion for the Face and Hair, Sachet, and Rouge.
Claims use since Sept. 1, 1917.

Ser. No. 190,291. (CLASS 39. CLOTHING.) STAR KNITTING MILLS, INC., New York, N. Y. Filed Jan. 3, 1924.

MAH JONG

Particular description of goods.—Neckties and Scarfs.
Claims use since Oct. 1, 1923.

Ser. No. 190,416. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. O. KLEPINGER, doing business as The Mineralized Yeast Mills, Ingomar, Ohio. Filed Jan. 4, 1924.

MINERALIZED OK YEAST FEEDS

No claim is made to the words "Mineralized Yeast Feeds" apart from the mark as shown.
Particular description of goods.—Animal Feed Composed Essentially of Grain and Grain Products.
Claims use since Nov. 9, 1923.

Ser. No. 190,432. (CLASS 38. PRINTS AND PUBLICATIONS.) SEED TRADE NEWS, INC., Chicago, Ill. Filed Jan. 4, 1924.

Seed Trade News

Particular description of goods.—Weekly Trade Publication.
Claims use since Nov. 27, 1923.

Ser. No. 190,438. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE ABSORBNE MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 5, 1924.

ZEV

Particular description of goods.—Product for Removing Paint and Varnish from Brushes and Hardwood Floors.
Claims use since Dec. 8, 1923.

Ser. No. 190,454. (CLASS 39. CLOTHING.) GRUSHLAW & SICHEL, Philadelphia, Pa. Filed Jan. 5, 1924.

NOCK-ABOUT

Particular description of goods.—Knitted Sport Coats, Vests, and Sweaters for Men.
Claims use since on or about May 7, 1920.

Ser. No. 190,489. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BEAD CHAIN MANUFACTURING COMPANY, Bridgeport, Conn. Filed Jan. 7, 1924.

BEAD CHAIN

The exclusive right to the words "Bead Chain" are disclaimed apart from the mark as shown.
Particular description of goods.—Chains of Nonprecious Metal, Plumbing Chains, and Key Rings.
Claims use since Dec. 6, 1923.

Ser. No. 190,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. J. LE MAY COMPANY, INCORPORATED, Rochester, N. Y. Filed Jan. 7, 1924.



The color lines shown in the drawing are to be noted as shown—i. e., indicating a blue seal and blue band integral therewith, letters in black.
Particular description of goods.—Canned Fruits and Vegetables.
Claims use since January, 1904.

Ser. No. 190,547. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THOMAS B. LAMB, New York, N. Y. Filed Jan. 8, 1924.

KIDDYLAND SOAP

The word "Soap" is disclaimed apart from the mark shown.
Particular description of goods.—Soap.
Claims use since Aug. 1, 1923.

Ser. No. 190,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MURRAY COMPANY, Boston, Mass. Filed Jan. 8, 1924.

SUCO

Particular description of goods.—Preparations of Cocoa, Chocolate, Sugar, and Milk in Powdered Form.
Claims use since about Oct. 1, 1917.

Ser. No. 190,576. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CHICAGO GRAIN PRODUCTS CO., Chicago, Ill. Filed Jan. 9, 1924.

ALCOHOL

No claim made to the words "Pure Grain Alcohol."
Particular description of goods.—Pure Grain Alcohol.
Claims use since June, 1922.

Ser. No. 190,577. (CLASS 37. PAPER AND STATIONERY.) CURTIS 1000 INCORPORATED, St. Paul, Minn. Filed Jan. 9, 1924.

1000

Particular description of goods.—Envelopes; Letter Paper, Including Letterheads; Blank Books, Binders and Loose Leaves Therefor; Printed, Legal, Account, and Index Forms; and Blanks, Checks, Drafts, Notes, and Bankers' Forms for Notices, Statements, Applications, and Correspondence, and Also Typewriter Paper.
Claims use since about May 1, 1916.

Ser. No. 190,611. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERTS BROS. & COMPANY, Zolfo, Fla. Filed Jan. 9, 1924.

PEACE RIVER

Particular description of goods.—Oranges in Their Natural State, Grapefruit, Tangerines, Satsumas, Mederines, Limes, and Lemons.
Claims use since Oct. 10, 1923.

Ser. No. 190,655. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SCOTCH OIL COMPANY, Madison, Wis. Filed Jan. 10, 1924.



Particular description of goods.—Cleaning Oil and Floor Polish.
Claims use since 1914.

Ser. No. 190,669. (CLASS 38. PRINTS AND PUBLICATIONS.) BAIDOMAN-RUDGE, New York, N. Y. Filed Jan. 11, 1924.

FOTO-FOL

Particular description of goods.—Greeting Folders.
Claims use since about Dec. 10, 1923.

Ser. No. 190,678. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CRA-MI COMPANY, Wilson, N. C. Filed Jan. 11, 1924.

CRA-MI

Particular description of goods.—Blood Tonic, Medicines for the Treatment of Piles, Gonorrhea, Chronic Sores, and Cancer, and an Insecticide.
Claims use since Dec. 15, 1923.

Ser. No. 190,686. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOFFMAN-CORR MANUFACTURING CO., New York, N. Y. Filed Jan. 11, 1924.

HOM-E-OLA

Particular description of goods.—Complete Radio Sets.
Claims use since Dec. 14, 1923.

Ser. No. 190,695. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM E. LONG, Hammond, Ind. Filed Jan. 11, 1924.

PEOPLES
We Thong
TRADING STAMP

No claim is made for the words "Trading Stamp" apart from the mark as shown.
Particular description of goods.—Trading Stamps.
Claims use since Sept. 15, 1922.

Ser. No. 190,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. MEYERS, Hudson, Iowa. Filed Jan. 11, 1924.

RED FOX

Particular description of goods.—Poisoned Kernels to Kill Rodents and Other Vermin.
Claims use since Aug. 22, 1923.

Ser. No. 190,726. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT H. HERSCHMAN, doing business as Victor Radio Manufacturing Co., New York, N. Y. Filed Jan. 12, 1924.

SUPERTRON

Particular description of goods.—Electrical Apparatus as Follows: Inductors, Coils, Couplers, Variometers, Grid Leaks, Filters, Tickler Coils, Radiocondensers, Amplifiers, Rheostats, Detectors, Contacts, Transmitters, Insulators, Resistances, Transformers, Vacuum Tubes, Electron Tubes, Antennæ, Counterpoises, Terminals, Rectifiers, Microphones, Telephone Receivers, Loud Speakers, Wave Traps, Sockets, and Complete Wireless Sets.
Claims use since about June 1, 1923.

Ser. No. 190,727. (CLASS 39. CLOTHING.) HEYMAN & BISSINGER INC., New York, N. Y. Filed Jan. 12, 1924.

TREADWELL
FOR THE LONG TRAIL

The mark consists of the words "Treadwell for the Long Trail."
Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since June 21, 1923.

Ser. No. 190,728. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Jan. 12, 1924.

Adoria

Particular description of goods.—Leather Shoes and Slippers.
Claims use since about Dec. 3, 1923.

Ser. No. 190,739. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. J. MURPHY, doing business as Cough Syrup Laboratories, Chicago, Ill. Filed Jan. 12, 1924.

Kiddie

"Kiddie."
Particular description of goods.—Cough Medicine for Children.
Claims use since on or about Sept. 1, 1923.

Ser. No. 190,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SATIN-KLASP MANUFACTURING CO., Salt Lake City, Utah. Filed Jan. 12, 1924.

Satin-Klasp

"Satin-Klasp."
Particular description of goods.—Hand Lotion.
Claims use since Dec. 28, 1923.

Ser. No. 190,748. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE ERNEST STUDDY, London, England. Filed Jan. 12, 1924.

BONZO

Particular description of goods.—Cinema Films, Lanterns, and Representations to be Viewed or Projected by Optical Apparatus.
Claims use since Nov. 15, 1923.

Ser. No. 190,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY E. MOSHER, doing business as Memphis Potato Chip Company, Memphis, Tenn. Filed Jan. 14, 1924.

Golden Flake

The lining in the drawing indicates the color gold.
Particular description of goods.—Potato Chips and Horse-Radish.
Claims use since December, 1922.

Ser. No. 190,823. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WINDSOR SOAP CO., INC., Buffalo, N. Y. Filed Jan. 14, 1924.

HYTONE

Particular description of goods.—Soap.
Claims use since July 5, 1923.

Ser. No. 190,829. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Jan. 15, 1924.



BULOVA

Particular description of goods.—Watches.
Claims use since August, 1922.

Ser. No. 190,844. (CLASS 15. OILS AND GREASES.) LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La. Filed Jan. 15, 1924.

LORECO

Particular description of goods.—Gasoline, Kerosene, Naphtha, Fuel Oils, Lubricating Oils, Greases, and Motor Oils.
Claims use since May 28, 1918.

Ser. No. 190,845. (CLASS 15. OILS AND GREASES.) LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La. Filed Jan. 15, 1924.

LORECO

Particular description of goods.—Gasoline, Kerosene, Naphtha, Fuel Oils, Lubricating Oils, Greases, and Motor Oils.
Claims use since May 28, 1918.

Ser. No. 190,860. (CLASS 37. PAPER AND STATIONERY.) THE WHITAKER PAPER COMPANY, Cincinnati, Ohio. Filed Jan. 15, 1924.

SUPERB

Particular description of goods.—Toilet Paper.
Claims use since January, 1914.

Ser. No. 190,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID KLEBANOFF, Philadelphia, Pa. Filed Jan. 16, 1924.

GEMS

Particular description of goods.—Pills or Tablets for Constipation.
Claims use since about Jan. 15, 1924.

Ser. No. 190,894. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTHWESTERN PRODUCTS CORPORATION, Chehalis, Wash. Filed Jan. 16, 1924.

THE PERFECT CLEANER
TIZRITE

No claim is made to the words "The Perfect Cleaner" apart from the mark as shown in the drawing.
Particular description of goods.—Soap.
Claims use since about Dec. 19, 1923.

Ser. No. 190,902. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WOODRUFF PRINTING COMPANY, Lincoln, Nebr. Filed Jan. 16, 1924.

UNI-COL

Particular description of goods.—Portfolios.
Claims use since Dec. 30, 1923.

Ser. No. 190,910. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALO DOME LABORATORIES, INC., New York, N. Y. Filed Jan. 17, 1924.



Particular description of goods.—Hair Lotion and Massage Cream.
Claims use since on or about Dec. 1, 1923.

Ser. No. 190,957. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COB COMPANY, New York, N. Y. Filed Jan. 18, 1924.

Nil

Particular description of goods.—Deodorant Toilet Preparation.
Claims use since Jan. 15, 1924.

Ser. No. 190,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETABLISSEMENTS ANTOINE CHIRIS, COMPAGNIE DES PRODUITS AROMATIQUES, CHIMIQUES ET MEDICINAUX, Paris, France. Filed Jan. 18, 1924.

"Archimed"

Particular description of goods.—Essential Oils, Perfumes, and Synthetic Perfume Materials.
Claims use since 1912.

Ser. No. 190,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM M. NORWAY, Cairo, Ill. Filed Jan. 18, 1924.



Particular description of goods.—Medicine for Treatment of Chills and Fever.
Claims use since June 6, 1923.

Ser. No. 190,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK M. PRINDLE, doing business as Frank M. Prindle & Co., New York, N. Y. Filed Jan. 18, 1924.

LOOSPACT

Particular description of goods.—Face Powder.
Claims use since October, 1923.

Ser. No. 190,982. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEYDEL CHEMICAL COMPANY, Jersey City, N. J. Filed Jan. 18, 1924.

MERCODEL

Particular description of goods.—Colloidal Metallic Mercury Medicinal Preparation.
Claims use since December, 1923.

Ser. No. 190,986. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN TAYLORS, LIMITED, Huddersfield, England. Filed Jan. 18, 1924.

Rytwip

Particular description of goods.—Cloths and Stuffs of Wool, Worsted, or Hair.
Claims use since 1919.

Ser. No. 191,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOME SUPPLY COMPANY, New York, N. Y. Filed Jan. 19, 1924.



The words "Normandy Chocolates" are disclaimed.
Particular description of goods.—Chocolates and Candies.
Claims use since Jan. 9, 1924.

Ser. No. 191,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TORNABELL EXPORT CORPORATION, New York, N. Y. Filed Jan. 19, 1924.

KOL-O-RO

"Kol-O-Ro."
Particular description of goods.—Soap for Dyeing Fabrics.
Claims use since Dec. 31, 1923.

Ser. No. 191,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION PHARMACAL COMPANY, doing business as The Creola Company, Kansas City, Mo. Filed Jan. 19, 1924.



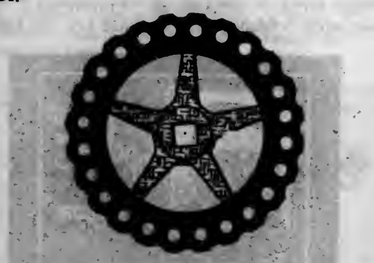
The picture of the person is fanciful.
Particular description of goods.—Cosmetic, Particularly a Combination of Face Powder and Face Cream.
Claims use since Oct. 1, 1923.

Ser. No. 191,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VELV COMPANY, Chicago, Ill. Filed Jan. 19, 1924.

Velv

Particular description of goods.—Nose Cream.
Claims use since Jan. 11, 1924.

Ser. No. 191,051. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BELKNAP MFG. CO., Bridgeport, Conn. Filed Jan. 21, 1924.



The mark consists of the representation of a valve wheel handle having a yellow central spoke portion. No claim is made to the representation of the wheel apart from the mark shown in the drawing, in which the shading of the spoke portion denotes the color yellow.
Particular description of goods.—Metal Valves for Pipe Lines and the Like.
Claims use since Nov. 1, 1923.

Ser. No. 191,063. (CLASS 39. CLOTHING.) FEATHERWEIGHT PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 21, 1924

KIDDY KOOL

Particular description of goods.—Infants' Waterproofed Pants.
Claims use since Jan. 5, 1924.

Ser. No. 191,096. (CLASS 39. CLOTHING.) RIVERSIDE MANUFACTURING COMPANY, Moultrie, Ga. Filed Jan. 21, 1924.

Southland
WHERE THE COTTON GROWS

Particular description of goods.—Overalls, Jackets, and One-Piece Garments for Men, Women, and Children.
Claims use since Sept. 1, 1923.

Ser. No. 191,097. (CLASS 39. CLOTHING.) RIVERSIDE MANUFACTURING COMPANY, Moultrie, Ga. Filed Jan. 21, 1924.

Dixie
WHERE THE COTTON GROWS

Particular description of goods.—Children's Play Suits.
Claims use since Sept. 1, 1923.

Ser. No. 191,118. (CLASS 39. CLOTHING.) ISAAC APPELBAUM, Philadelphia, Pa. Filed Jan. 22, 1924.



The portrait is that of applicant.
Particular description of goods.—Outer Garments—Namely, Coats, Vests, Trousers, Knickers, and Overcoats—for Men, Young Men, and Boys.
Claims use since about December, 1908.

Ser. No. 191,123. (CLASS 39. CLOTHING.) GEORGE DWYER, New York, N. Y. Filed Jan. 22, 1924.

Della Robbia

Particular description of goods.—Dresses, Gowns, Frocks, and Suits.
Claims use since Jan. 14, 1924.

Ser. No. 191,124. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN EBERT, New York, N. Y. Filed Jan. 22, 1924.

HESSEP'S

Particular description of goods.—Scalp Salve.
Claims use since February, 1922.

Ser. No. 191,126. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES A. FRIEDRICH, doing business as Radio Accessories Company, Long Island City, N. Y. Filed Jan. 22, 1924.

INDUCTON

Particular description of goods.—Electrical Apparatus, as Follows: Inductors, Coils, Couplers, Variometers, Grid Leaks, Filters, Tickler Coils, Radiocondensers, Amplifiers, Rheostats, Detectors, Contacts, Transmitters, Insulators, Resistances, Transformers, Vacuum Tubes, Electron Tubes, Antennæ, Counterpoises, Terminals, Rectifiers, Microphones, Telephone Receivers, Loud Speakers, Wave Traps, Sockets, and Complete Wireless Sets.
Claims use since about Oct. 1, 1922.

Ser. No. 191,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARVIN C. HUTCHISON, doing business as Marvine Co., St. Louis, Mo. Filed Jan. 22, 1924.

MARVINE

Particular description of goods.—Medicated Tooth Paste and Preparation for Pyorrhea.
Claims use since Jan. 1, 1923.

Ser. No. 191,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLEY H. MILLER, Slidell, La. Filed Jan. 22, 1924.

Colerrine

Particular description of goods.—Face Lotion for Sunburn, Pimples, and Irritation of the Skin.
Claims use since May 1, 1923.

Ser. No. 191,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT ROBINSON, San Francisco, Calif. Filed Jan. 22, 1924.

HOME GUARDS

Particular description of goods.—Laxative Pills.
Claims use since Oct. 15, 1923.

Ser. No. 191,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Jan. 28, 1924.

HYDROL

Particular description of goods.—Corn-Sugar Molasses.
Claims use since 1901.

Ser. No. 191,315. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OTTO HESCHKOWITS, Newark, N. J. Filed Jan. 26, 1924.

O. H.

Voltron

Particular description of goods.—Vacuum Tubes for Use with Wireless Apparatus.
Claims use since Nov. 26, 1923.

Ser. No. 191,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Jan. 26, 1924.

SPRING KING



No claim is made to the exclusive use of the representation of the crown or the sheaf of wheat appearing on the drawing aside from the mark as shown.
Particular description of goods.—Wheat Flour.
Claims use since Dec. 12, 1922.

Ser. No. 191,350. (CLASS 17. TOBACCO PRODUCTS.) B. J. SEIDENBERG COMPANY, Buffalo, N. Y. Filed Jan. 26, 1924.

Elitecraft Squares

Particular description of goods.—Cigars, Cigarettes, Cheroots, and Smoking Tobacco.
Claims use since 1895.

Ser. No. 191,360. (CLASS 39. CLOTHING.) BILTRITE COLLAR COMPANY, New York, N. Y. Filed Jan. 28, 1924.

BILTRITE

Particular description of goods.—Men's Collars.
Claims use since October, 1919.

Ser. No. 191,402. (CLASS 39. CLOTHING.) F. A. PATRICK & CO., Duluth, Minn. Filed Jan. 28, 1924.

Lake Superior

Particular description of goods.—Hose Supporters, Suspenders, Garters, Arm Bands, Half Sleeves, Cloth Gloves, Woolen Knit Hosiery, and Cotton Knit Waists, Worsted Knit Bathing Suits, Sweaters, Golf Coats, and Ladies' Union Suits, Mixed Cotton and Woolen Woven Blanket Underwear, Miners' Underwear, Breeches, Norfolk Coats, Jackets, Moleskin Vests, and Lined Overalls, Leather-Lined and Sheepskin-Lined Vests of Combined Cotton Cloth and Leather, Woolen Pantaloons and Outer Shirts, Cotton Combination Overall Suits; Men's, Boys', Youths', and Cadets' Cotton Overalls; Men's, Boys', and Youths' Cotton Overall Jackets; Men's Cotton Collar-Attached and Band Outer Shirts; Cotton Gowns, Pyjamas, and Bath Robes; and Rubberized Cotton-Cloth Raincoats.
Claims use since about Oct. 1, 1921.

Ser. No. 191,447. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PFAFFMANN EGG NOODLE COMPANY, Cleveland, Ohio. Filed Jan. 29, 1924.

CRISPIES

Particular description of goods.—Edible Shells Made of Cooked Alimentary Paste.
Claims use since Jan. 1, 1924.

Ser. No. 191,457. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. A. WILLEY COMPANY, Long Island City, N. Y. Filed Jan. 29, 1924.

"LUSTRE-ELÁSTICO"

Particular description of goods.—Thinners, Colors, Varnishes, and Ready-Mixed Paint.
Claims use since February, 1908.

Ser. No. 191,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ACME MILLS, doing business as Kentucky Milling Co., Hopkinsville, Ky. Filed Jan. 30, 1924.

CHECKERS

Particular description of goods.—Self-Rising Flour.
Claims use since January, 1923.

Ser. No. 191,470. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Providence, R. I. Filed Jan. 30, 1924.

Juilleen

Particular description of goods.—Woolen, Cotton, and Woolen and Cotton Piece Goods.
Claims use since July, 1923.

Ser. No. 191,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DELPHOS MILLING CO., Delphos, Kans. Filed Jan. 30, 1924.

AGATE

Particular description of goods.—Hard-Winter-Wheat Flour, Wheat Graham Flour, and Corn Meal.
Claims use since 1893.

Ser. No. 191,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JABURG BROS. INC., New York, N. Y. Filed Jan. 30, 1924.

TASTYMAID

Particular description of goods.—Cakes and Cake Mixture.
Claims use since Jan. 12, 1924.

Ser. No. 191,505. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed Jan. 30, 1924.



Applicant disclaims any exclusive right to the word "Cloth" apart from the mark shown on the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 5, 1924.

Ser. No. 191,525. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRIDGEMAN-RUSSELL CO., Duluth, Minn. Filed Jan. 31, 1924.

Primus

Particular description of goods.—Butter and Eggs.
Claims use since 1898.

Ser. No. 191,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRANSTON-LIGGETT GRAIN & FEED COMPANY, Leavenworth, Kans. Filed Feb. 1, 1924.

FULL-O-LIFE

Particular description of goods.—Poultry Feeds, Stock Feeds, Chick Grower, Dairy Ration, Swill Feed, Horse and Mule Feed, Scratch Feed, Fattening Mash, and Egg Mash.
Claims use since Nov. 29, 1923.

Ser. No. 191,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERAL MILL & ELEVATOR CO., INC., Lockport, N. Y. Filed Feb. 1, 1924.

BORDER

Particular description of goods.—Wheat Flour.
Claims use since Jan. 4, 1924.

Ser. No. 191,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. H. COLGROVE CO., INC., Canaseraga, N. Y. Filed Feb. 2, 1924.

THE J.H.COLGROVE CO.INC.
COLCO
CANASERAGA,N.Y.

No claim is made for the words "Canaseraga, N. Y." except in the association with the mark as shown.
Particular description of goods.—Cattle and Chicken Foods.
Claims use since May 1, 1923.

Ser. No. 191,851. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THEO. TIEDEMANN & SONS, INC., New York, N. Y. Filed Feb. 5, 1924.

DIGLOS

Particular description of goods.—Artificial-Silk Piece Goods.
Claims use since Jan. 25, 1924.

Ser. No. 191,853. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THEO. TIEDEMANN & SONS, INC., New York, N. Y. Filed Feb. 5, 1924.

GLOSORA

Particular description of goods.—Artificial-Silk Piece Goods.
Claims use since Jan. 25, 1924.

Ser. No. 191,855. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THEO. TIEDEMANN & SONS, INC., New York, N. Y. Filed Feb. 5, 1924.

TWILGLOS

Particular description of goods.—Artificial-Silk Piece Goods.
Claims use since Jan. 25, 1924.

Ser. No. 191,880. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

Ripleene

Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since Mar. 7, 1921.

Ser. No. 192,159. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Feb. 11, 1924.

VEEDOL FORZOL

Particular description of goods.—Lubricating Oils.
Claims use since Feb. 7, 1924.

Ser. No. 192,160. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Feb. 11, 1924.

FORZOL

Particular description of goods.—Lubricating Oils.
Claims use since Feb. 7, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MARCH 18, 1924.

181,195. KNITTED OUTERWEAR, SUCH AS KNITTED BATHING SUITS, SWEATERS, SWEATER JACKETS, AND SWEATER BLOUSES. BLUE-RIBBON KNITTING MILLS, INC., Waltham, Mass.
Filed September 25, 1923. Serial No. 186,175. PUBLISHED JANUARY 1, 1924.

181,196. MEDICINE FOR THE TREATMENT OF VENEREAL DISEASES. JAMES H. CRENSHAW, Columbus, Ohio.
Filed September 26, 1923. Serial No. 186,219. PUBLISHED JANUARY 1, 1924.

181,197. WOMEN'S, MISSES', AND CHILDREN'S CLOAKS, SUITS, WRAPS, CAPES, COATS, SKIRTS, DRESSES, WAISTS, JACKETS, AND KNICKERBOCKERS. ISIDORE J. RUBIN, doing business as I. J. Rubin & Co., New York, N. Y.
Filed September 26, 1923. Serial No. 186,248. PUBLISHED JANUARY 1, 1924.

181,198. LADIES', MEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRIC. CARTER DRY GOODS CO., INC., Louisville, Ky.
Filed September 29, 1923. Serial No. 186,352. PUBLISHED JANUARY 1, 1924.

181,199. LADIES', MEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRIC. CARTER DRY GOODS CO., INC., Louisville, Ky.
Filed September 29, 1923. Serial No. 186,353. PUBLISHED JANUARY 1, 1924.

181,200. MEN'S NIGHTSHIRTS, BATH ROBES, PYJAMAS, AND UNDERGARMENTS OF KNITTED AND TEXTILE FABRICS. FRACKVILLE MANUFACTURING COMPANY, New York, N. Y.
Filed October 6, 1923. Serial No. 186,635. PUBLISHED JANUARY 1, 1924.

181,201. COFFEE SUBSTITUTE. LIVINGSTON A. THOMPSON, doing business as Aunt Joy's Company, Waukesha, Wis.
Filed October 9, 1923. Serial No. 186,762. PUBLISHED JANUARY 1, 1924.

181,202. WOMEN'S AND MISSES' DRESSES, WAISTS, AND BLOUSES AND COTTON AND SILK UNDERWEAR OF TEXTILE FABRIC, AND SLEEPING GARMENTS FOR MEN, WOMEN, AND CHILDREN. LACK & SAMUELS, INC., New York, N. Y.
Filed October 10, 1923. Serial No. 186,794. PUBLISHED JANUARY 1, 1924.

181,203. SWEATER COATS, BATHING SUITS, AND SCARFS. MORRIS COHEN, New Haven, Conn.
Filed October 20, 1923. Serial No. 187,249. PUBLISHED JANUARY 1, 1924.

181,204. MOUTH WASHES AND TOOTH PASTES. GEORGE J. HERRIN, doing business as Vio-Glen Chemical Company, Kansas City, Mo.
Filed September 22, 1923. Serial No. 186,056. PUBLISHED JANUARY 1, 1924.

181,205. CERTAIN TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France.
Filed September 24, 1923. Serial No. 186,111. PUBLISHED JANUARY 1, 1924.

181,206. PROPHYLACTIC AND GENERAL LOCAL ANTISEPTICS. THE LABORATORY OF RESEARCH CHEMOTHERAPY, Philadelphia, Pa.
Filed September 24, 1923. Serial No. 186,136. PUBLISHED JANUARY 1, 1924.

181,207. ANTISEPTIC. THE LABORATORY OF RESEARCH CHEMOTHERAPY, Philadelphia, Pa.
Filed September 24, 1923. Serial No. 186,137. PUBLISHED JANUARY 1, 1924.

181,208. CERTAIN TOILET PREPARATIONS. PERCY E. PAGE, New York, N. Y.
Filed September 24, 1923. Serial No. 186,149. PUBLISHED JANUARY 1, 1924.

181,209. DEODORANT TOILET POWDERS. EVALYN CURRY PARKER, doing business as Curry Manufacturing Company, Albany, N. Y.
Filed September 24, 1923. Serial No. 186,152. PUBLISHED JANUARY 1, 1924.

181,210. LIVER PILLS. JAMES FORACE BARLOW, doing business as Vaporine Chemical Company, Memphis, Tenn.
Filed August 25, 1923. Serial No. 184,956. PUBLISHED JANUARY 1, 1924.

181,211. HEALING AND DRAWING SALVE. THE PANCURA CHEMICAL COMPANY, Baltimore, Md.
Filed August 27, 1923. Serial No. 185,014. PUBLISHED JANUARY 1, 1924.

181,212. MEDICINAL PREPARATION FOR THE TREATMENT OF PILES. GUY P. RUTHERFORD, Indianapolis, Ind.
Filed August 27, 1923. Serial No. 185,043. PUBLISHED JANUARY 1, 1924.

181,213. EGGS. A. LAWRENCE-TOOMBS & SONS, Houston, Tex.
Filed September 11, 1923. Serial No. 185,682. PUBLISHED JANUARY 8, 1924.

181,214. CANDY CONFECTIONS. ARCHIE H. BECHTOL, doing business as Southern Confection Company, Memphis, Tenn.
Filed September 21, 1923. Serial No. 186,001. PUBLISHED JANUARY 1, 1924.

181,215. FACE POWDER. A. BOURJOIS & CO. INC., New York, N. Y.
Filed October 31, 1923. Serial No. 187,709. PUBLISHED JANUARY 8, 1924.

181,216. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. E. D. ATTIX, doing business as Attix Hosiery Mills, Knoxville, Tenn.
Filed October 22, 1923. Serial No. 187,282. PUBLISHED JANUARY 1, 1924.

181,217. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed October 27, 1923. Serial No. 187,591. PUBLISHED JANUARY 1, 1924.

181,218. SLEEPING SUITS. BENJAMIN H. TRINKEL, Providence, R. I.
Filed October 27, 1923. Serial No. 187,593. PUBLISHED JANUARY 1, 1924.

181,219. CANDY. MORRIS BERKOWITZ, doing business as Russian Cream Candy Mfg. Co., New York, N. Y.
Filed October 30, 1923. Serial No. 187,661. PUBLISHED JANUARY 1, 1924.

181,220. MEN'S OUTER DRESS AND NEGLIGEE SHIRTS OF SILK, LINEN, COTTON, MIXTURES OF SILK AND LINEN AND SILK AND COTTON. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed October 30, 1923. Serial No. 187,685. PUBLISHED JANUARY 1, 1924.

181,221. FRESH TOMATOES. A. T. PEARCE, Miami, Fla.
Filed November 12, 1923. Serial No. 188,252. PUBLISHED JANUARY 1, 1924.

181,222. FRESH APPLES. CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif.
Filed November 1, 1923. Serial No. 187,802. PUBLISHED JANUARY 1, 1924.

181,223. ATTAR OF ROSES, ALSO KNOWN AS OIL OF ROSES. UNGERER & COMPANY, INC., New York, N. Y.
Filed November 2, 1923. Serial No. 187,886. PUBLISHED JANUARY 8, 1924.

181,224. PERFUMES, TOILET WATERS, AND FACE POWDERS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed November 2, 1923. Serial No. 187,891. PUBLISHED JANUARY 8, 1924.

181,225. THERAPEUTIC SALVE FOR CUTS, WOUNDS, BRUISES, AND BURNS. CLAIR H. BEGGLE, Tacoma, Wash.
Filed November 6, 1923. Serial No. 188,044. PUBLISHED JANUARY 8, 1924.

181,226. PROPRIETARY LAXATIVE REMEDY. AMERICAN CHEMICAL & DRUG CO. INC., Olyphant, Pa.
Filed November 7, 1923. Serial No. 188,085. PUBLISHED JANUARY 8, 1924.

181,227. VEGETABLE TABLETS. DR. F. W. DIEMER MEDICINE CO., Springfield, Mo.
Filed November 7, 1923. Serial No. 188,090. PUBLISHED JANUARY 8, 1924.

181,228. COLD CREAM. MYMA ROSS, Toronto, Ontario, Canada.
Filed November 8, 1923. Serial No. 188,134. PUBLISHED JANUARY 1, 1924.

181,229. TOILET PREPARATIONS. JOSEPH JUTRAS, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada.
Filed November 12, 1923. Serial No. 188,244. PUBLISHED JANUARY 8, 1924.

181,230. TOILET PREPARATIONS. JOSEPH JUTRAS, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada.
Filed November 12, 1923. Serial No. 188,245. PUBLISHED JANUARY 8, 1924.

181,231. COTTON BELTING. BUFFALO WEAVING & BELTING CO., Buffalo, N. Y.
Filed June 20, 1923. Serial No. 182,232. PUBLISHED JANUARY 8, 1924.

181,232. MEDICINAL COMPOUND FOR THE TREATMENT OF NERVOUS DISORDERS. THEODOR KOBNIG, Munich, Germany.
Filed July 5, 1923. Serial No. 182,830. PUBLISHED JANUARY 1, 1924.

181,233. NOXIOUS-GAS-PRODUCING LIQUID FOR THE PROTECTION OF SAFES AND THE LIKE. HARRY B. DYER, doing business as National Safe Protector Co., Minneapolis, Minn.
Filed July 9, 1923. Serial No. 182,963. PUBLISHED DECEMBER 25, 1923.

181,234. OINTMENTS FOR THE TREATMENT OF ECZEMA AND SKIN DISEASES, DANDRUFF REMOVER, AND HAIR GROWER. BENN WORSHOWSKY, doing business as Worsh's Myra Mfg. Co., Philadelphia, Pa.
Filed July 11, 1923. Serial No. 183,093. PUBLISHED JANUARY 1, 1924.

181,235. PEANUT-BUTTER KISSES. KIRBY BROTHERS COMPANY, Springfield, Mass.
Filed July 30, 1923. Serial No. 183,837. PUBLISHED JANUARY 1, 1924.

181,236. LADIES', MEN'S, MISSES', BOYS', AND CHILDREN'S HATS AND CAPS AND LADIES' SCARFS. SABLE BROS., New York, N. Y.
Filed August 4, 1923. Serial No. 184,104. PUBLISHED JANUARY 1, 1924.

181,237. LEATHER MOCCASINS. KIRKENDALL SHOE COMPANY, Omaha, Nebr.
Filed August 9, 1923. Serial No. 184,246. PUBLISHED JANUARY 1, 1924.

181,238. MINERAL MIXTURE USED AS TONIC FOR SWINE. MOORMAN MFG. CO., Quincy, Ill.
Filed August 16, 1923. Serial No. 184,558. PUBLISHED JANUARY 1, 1924.

181,239. BAKING POWDER. HULMAN & COMPANY, Terre Haute, Ind.
Filed August 17, 1923. Serial No. 184,612. PUBLISHED JANUARY 1, 1924.

181,240. LIQUID-FUEL BURNERS FOR FURNACES AND BOILER FIRE BOXES. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York.
Filed August 20, 1923. Serial No. 184,766. PUBLISHED JANUARY 8, 1924.

181,241. SKIN LOTION. MALCOLM G. GIBBS, doing business as Key Chemical Co., Washington, D. C.
Filed August 23, 1923. Serial No. 184,906. PUBLISHED JANUARY 1, 1924.

181,242. ANTISEPTIC POWDER. MALCOLM G. GIBBS, doing business as Key Chemical Co., Washington, D. C.
Filed August 23, 1923. Serial No. 184,907. PUBLISHED JANUARY 1, 1924.

181,243. GLOVES MADE OF LEATHER. NORTHLAND KNITTING COMPANY LIMITED, Winnipeg, Manitoba, Canada.
Filed July 30, 1920. Serial No. 135,612. PUBLISHED JANUARY 1, 1924.

181,244. SOLID TIRES COMPOSED OF RUBBER OR RUBBER AND FABRIC. THE FIRESTONE TIRE AND RUBBER COMPANY, Akron, Ohio.
Filed August 14, 1920. Serial No. 136,120. PUBLISHED JANUARY 8, 1924.

181,245. CORSETS. CHARLES MUNTER, New York, N. Y.
Filed December 20, 1920. Serial No. 141,322. PUBLISHED JANUARY 1, 1924.

181,246. BATHING SUITS, ATHLETIC SHIRTS, SWEATERS, PETTICOATS, BLOOMERS, CAPS, THEATRICAL SHIRTS, OPERA STOCKINGS, THEATRICAL TIGHTS, AND UNION SUITS. EDWARD NOON & SON, Philadelphia, Pa.
Filed June 27, 1921. Serial No. 149,716. PUBLISHED JANUARY 1, 1924.

181,247. PERIODICAL MAGAZINE PUBLISHED MONTHLY. JOHN E. HESS, Clearfield, Pa.
Filed February 1, 1922. Serial No. 158,710. PUBLISHED JANUARY 1, 1924.

181,248. TOILET PREPARATIONS. FRANÇOIS LIBISCH, Paris, France.
Filed March 29, 1923. Serial No. 178,262. PUBLISHED JANUARY 8, 1924.

181,249. CANNED FRUITS AND CANNED VEGETABLES. EMPIRE STATE CANNING CO., Rome, N. Y.
Filed April 14, 1923. Serial No. 179,141. PUBLISHED JANUARY 1, 1924.

181,250. COFFEE. THE G. B. FARRINGTON CO., New York, N. Y.
Filed May 14, 1923. Serial No. 180,595. PUBLISHED JANUARY 1, 1924.

181,251. WHEAT FLOUR. THE WALLACE MILLING COMPANY, Dale, Ind.
Filed April 30, 1921. Serial No. 147,070. PUBLISHED JANUARY 10, 1922.

181,252. QUININE HAIR TONIC. C. E. HOFFMAN CO., Dallas, Tex.
Filed March 27, 1923. Serial No. 178,103. PUBLISHED JANUARY 8, 1924.

181,253. FOODS AND INGREDIENTS OF FOODS. B. H. OLD & CO. INC., New York, N. Y.
Filed June 12, 1923. Serial No. 181,907. PUBLISHED JANUARY 1, 1924.

181,254. FROZEN EGG PRODUCT COMPOSED OF EGG YOLKS WITH EDIBLE GLYCERIN ADDED AND FROZEN TO PRESERVE THE YOLK IN ORIGINAL CONSISTENCY. MORRIS OVSON COMPANY, Chicago, Ill.
Filed June 25, 1923. Serial No. 182,431. PUBLISHED JANUARY 1, 1924.

181,255. FOOD PREPARATION FOR BIRDS. G & G SCIENTIFIC EGG FOOD CO., San Francisco, Calif.
Filed June 26, 1923. Serial No. 182,471. PUBLISHED JANUARY 1, 1924.

181,256. BREAD. JAMES BUTLER, INC., New York, N. Y.
Filed September 6, 1923. Serial No. 185,889. PUBLISHED JANUARY 1, 1924.

181,257. CEREAL FOOD FOR BREAKFAST FOOD AND PORRIDGE. LOS ANGELES MILO WHEAT CO., Glendale, Calif.
Filed September 21, 1923. Serial No. 186,019. PUBLISHED JANUARY 8, 1924.

181,258. NUT MARGARIN (OLEOMARGARINE). THE GLIDDEN NUT BUTTER COMPANY, Chicago, Ill.
Filed October 10, 1923. Serial No. 186,784. PUBLISHED JANUARY 1, 1924.

181,259. INHALANT FOR THE RELIEF OF COLD IN THE HEAD AND THE LIKE. THOMAS KERFOOT & CO., LIMITED, Bardsley, England.
Filed October 24, 1923. Serial No. 187,424. PUBLISHED DECEMBER 25, 1923.

181,260. LADIES' AND CHILDREN'S HATS. CROOKS BROTHERS MILLINERY COMPANY, Quincy, Ill.
Filed August 24, 1923. Serial No. 184,937. PUBLISHED DECEMBER 25, 1923.

181,261. PREPARATION FOR INSERTION IN DENTAL CAVITIES TO FORM A CAP OVER DENTAL PULP AND NERVES AND PROTECT THE SAME AGAINST BACTERIAL AND CHEMICAL IRRITATION, THERMAL SHOCK, AND PRESSURE. THE L. D. CAULK COMPANY, Milford, Del.
Filed August 6, 1923. Serial No. 184,119. PUBLISHED JANUARY 8, 1924.

181,262. LINIMENT. FELBORN PHARMACAL CO., INC., Brooklyn, N. Y.
Filed August 9, 1923. Serial No. 184,239. PUBLISHED JANUARY 1, 1924.

181,263. BISCUIT SANDWICH. CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y.
Filed August 11, 1923. Serial No. 184,327. PUBLISHED JANUARY 1, 1924.

181,264. ICE CREAM AND FROZEN ICES. GALVESTON ICE CREAM CO. INC., Galveston, Tex.
Filed August 13, 1923. Serial No. 184,399. PUBLISHED JANUARY 1, 1924.

181,265. HEELS FOR BOOTS AND SHOES MADE OF RUBBER, LEATHER, WOOD, COMPO, FABRIC, AND COMBINATIONS THEREOF. DAVID HILL, LIMITED, Leicester, England.
Filed August 14, 1923. Serial No. 184,449. PUBLISHED JANUARY 1, 1924.

181,266. COD-LIVER OIL. BREWER & COMPANY, INC., Worcester, Mass.
Filed August 15, 1923. Serial No. 184,492. PUBLISHED JANUARY 8, 1924.

181,267. COMPOUND FOR THE TREATMENT OF MANGE-INFECTED HOGS. PERRIS A. BRAGG, doing business as The Reliable Chemical Company, Winchester, Ind.
Filed August 16, 1923. Serial No. 184,539. PUBLISHED JANUARY 1, 1924.

181,268. DEODORANT PREPARATIONS. B. M. HARRISON, Philadelphia, Pa.
Filed August 16, 1923. Serial No. 184,549. PUBLISHED JANUARY 1, 1924.

181,269. CHILDREN'S AND MISSES' TURN AND WELT SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF SAME. THE ZANE SHOE CO., Zanesville, Ohio.
Filed August 16, 1923. Serial No. 184,575. PUBLISHED JANUARY 1, 1924.

181,270. MISSES' AND CHILDREN'S HATS. CARSON PIRIE SCOTT & CO., Chicago, Ill.
Filed August 17, 1923. Serial No. 184,596. PUBLISHED JANUARY 1, 1924.

181,271. CAKE. THE INTERNATIONAL COMPANY, Baltimore, Md.
Filed August 18, 1923. Serial No. 184,668. PUBLISHED JANUARY 1, 1924.

181,272. CHEESE. PHENIX CHEESE CO., New York, N. Y.
Filed August 18, 1923. Serial No. 184,684. PUBLISHED JANUARY 1, 1924.

181,273. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Seattle, Wash.
Filed August 20, 1923. Serial No. 184,718. PUBLISHED JANUARY 1, 1924.

181,274. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Seattle, Wash.
Filed August 20, 1923. Serial No. 184,719. PUBLISHED JANUARY 1, 1924.

181,275. SHOES MADE WHOLLY OR IN PART OF LEATHER. M. T. SHAW, INC., Racine, Wis.
Filed August 20, 1923. Serial No. 184,767. PUBLISHED JANUARY 1, 1924.

181,276. WHEAT FLOUR. SOUTH GEORGIA PRODUCE COMPANY, Vidalia, Ga.
Filed August 20, 1923. Serial No. 184,769. PUBLISHED JANUARY 1, 1924.

181,277. EGGS. EASTERN CONNECTICUT POULTRY PRODUCERS, INC., Willimantic, Conn.
Filed August 23, 1923. Serial No. 184,897. PUBLISHED JANUARY 1, 1924.

181,278. CATARRH CREAM, NASAL SPRAY, AND PREPARATION FOR REMOVING CORNS. MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C.
Filed August 23, 1923. Serial No. 184,904. PUBLISHED JANUARY 1, 1924.

181,279. PREPARATION FOR TREATMENT OF HEADACHE. NEURALGIA, ETC. MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C.
Filed August 23, 1923. Serial No. 184,908. PUBLISHED JANUARY 8, 1924.

181,280. HOSIERY. JUNIOR HOSIERY COMPANY, Philadelphia, Pa.
Filed April 13, 1921. Serial No. 146,122. PUBLISHED AUGUST 23, 1921.

181,281. SELF-HELP STORE FIXTURES—NAMELY, CABINETS AND COUNTERS. JENNY WREN STORES CORPORATION, San Francisco, Calif.
Filed July 21, 1921. Serial No. 150,750. PUBLISHED JANUARY 1, 1924.

181,282. CERTAIN HOLLOW, FLAT, AND DECORATED GLASSWARE. PYROCOLOR CORPORATION, New York, N. Y.
Filed August 23, 1921. Serial No. 152,091. PUBLISHED JANUARY 1, 1924.

181,283. MEDICINAL PREPARATION FOR USE IN MASSAGING AND BATHING. SHARP & DOHME, Baltimore, Md.
Filed December 24, 1921. Serial No. 157,112. PUBLISHED MARCH 28, 1922.

181,284. BUTTER. ELMER W. MOYER, doing business as M. M. Moyer & Co., Philadelphia, Pa.
Filed February 18, 1922. Serial No. 159,517. PUBLISHED JANUARY 1, 1924.

181,285. STARCH AND PROTEINS. JACQUES WOLF & Co., Passaic, N. J.
Filed March 31, 1922. Serial No. 161,607. PUBLISHED NOVEMBER 28, 1922.

181,286. STARCHES AND PROTEINS. JACQUES WOLF & Co., Passaic, N. J.
Filed March 31, 1922. Serial No. 161,608. PUBLISHED NOVEMBER 28, 1922.

181,287. STARCHES AND PROTEINS. JACQUES WOLF & Co., Passaic, N. J.
Filed March 31, 1922. Serial No. 161,609. PUBLISHED NOVEMBER 28, 1922.

181,288. STARCHES AND PROTEINS. JACQUES WOLF & Co., Passaic, N. J.
Filed March 31, 1922. Serial No. 161,610. PUBLISHED NOVEMBER 28, 1922.

181,289. BREAD. DANIEL P. WOOLLEY, New York, N. Y.
Filed April 28, 1922. Serial No. 163,006. PUBLISHED JANUARY 1, 1924.

181,290. COAL. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo.
Filed May 24, 1922. Serial No. 164,474. PUBLISHED APRIL 17, 1923.

181,291. STOMACH PREPARATION. FRANÇOIS X. RONDEAU, doing business as Radio Stomach Relief Co., Brockton, Mass.
Filed June 5, 1922. Serial No. 165,035. PUBLISHED JULY 10, 1923.

181,292. SHAMPOO PREPARATION. JAMES C. FULLER, Kansas City, Mo.
Filed June 10, 1922. Serial No. 165,281. PUBLISHED DECEMBER 4, 1923.

181,293. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. EMLET-WINEBRENNER CO., Hanover, Pa.
Filed June 26, 1922. Serial No. 166,052. PUBLISHED NOVEMBER 6, 1923.

181,294. RUBBER FRUIT-JAR RINGS. SCHACHT RUBBER MFG. CO., Huntington, Ind.
Filed July 11, 1922. Serial No. 166,751. PUBLISHED JANUARY 1, 1924.

181,295. PERFUMES. ALEXANDER KARPMAN, doing business as Kiki Manufacturing Company, New York, N. Y.
Filed October 6, 1922. Serial No. 170,390. PUBLISHED JANUARY 30, 1923.

181,296. MATCHES. TAIYO TRADING CO., INC., New York, N. Y.
Filed October 7, 1922. Serial No. 170,450. PUBLISHED JANUARY 1, 1924.

181,297. HOSIERY, SWEATERS, AND FABRIC GLOVES. E. B. SUDBURY, doing business as E. B. Sudbury & Co., New York, N. Y.
Filed November 9, 1922. Serial No. 171,770. PUBLISHED JANUARY 1, 1924.

181,298. FRESH POTATOES. ABBOTT WORTHLEY, Marlboro, N. J.
Filed November 9, 1922. Serial No. 171,777. PUBLISHED JUNE 5, 1923.

181,299. DRESS SHIRTS. DAVID TENENBAUM, doing business as The Acorn Shirt Mfg. Co., New York, N. Y.
Filed November 16, 1922. Serial No. 172,131. PUBLISHED DECEMBER 25, 1923.

181,300. COTTON PIECE GOODS—VIZ, MUSLINS, CAMBRICS, AND NAINSOOKS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed September 13, 1923. Serial No. 185,776. PUBLISHED JANUARY 1, 1924.

181,301. PREPARATION FOR USE IN THE TREATMENT OF PILES. WILLIAM CHOPP, Bovey, Minn.
Filed September 14, 1923. Serial No. 185,780. PUBLISHED JANUARY 1, 1924.

181,302. FRESH EGGS AND STORAGE EGGS. CHARLTON & BOWEN, Rolfe, Iowa.
Filed September 17, 1923. Serial No. 185,859. PUBLISHED JANUARY 8, 1924.

181,303. MEDICINAL PREPARATION. ALEXANDER M. ROVIN, Detroit, Mich.
Filed September 17, 1923. Serial No. 185,878. PUBLISHED JANUARY 1, 1924.

181,304. SILK PIECE GOODS. TRAVIS, ROMAINE & JELLE, INC., New York, N. Y.
Filed September 17, 1923. Serial No. 185,882. PUBLISHED JANUARY 1, 1924.

181,305. COSMETIC—NAMELY, LIQUID COLD CREAM. OLIVE A. VAN HORN, doing business as Vel-O-Rose Chemical Company, New York, N. Y.
Filed September 19, 1923. Serial No. 185,942. PUBLISHED JANUARY 1, 1924.

181,306. CRACKERS, CAKES, WAFERS, AND BISCUIT. HOYT'S CONSUMERS CRACKER & BISCUIT CORPORATION, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif.
Filed September 21, 1923. Serial No. 186,012. PUBLISHED JANUARY 8, 1924.

181,307. MEDICINE FOR USE IN THE DISTEMPER OF DOGS. WILLIAM CHARLES AHRENS, Cary Station, Ill.
Filed September 22, 1923. Serial No. 186,043. PUBLISHED JANUARY 8, 1924.

181,308. TALCUM POWDER AND THEATRICAL POWDER. HARRIET HUBBARD AYER, New York, N. Y.
Filed September 22, 1923. Serial No. 186,054. PUBLISHED JANUARY 8, 1924.

181,309. LAXATIVE TABLETS. ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y.
Filed September 22, 1923. Serial No. 186,066. PUBLISHED JANUARY 8, 1924.

181,310. NAILS. THE F. A. NEIDER CO., Augusta, Ky.
Filed September 27, 1923. Serial No. 186,287. PUBLISHED JANUARY 1, 1924.

181,311. MEDICINE USED IN THE TREATMENT OF DISEASES OF THE LUNGS AND THROAT. HENRY J. WILLIAMSON, Cades, S. C.
Filed September 28, 1923. Serial No. 186,342. PUBLISHED JANUARY 8, 1924.

181,312. GAS-FLOW ALARMS. HARRY CAPPELLANTI, doing business under the name Gas Flow Alarm Mfg. Co., Morgantown, W. Va.
Filed September 29, 1923. Serial No. 186,350. PUBLISHED DECEMBER 11, 1923.

181,313. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed September 29, 1923. Serial No. 186,367. PUBLISHED DECEMBER 18, 1923.

181,314. EMULSION FOR THE TREATMENT OF COUGHS, COLDS, AND LUNG TROUBLES, AND FOR USE AS A TONIC. H. T. DEWEY & SONS COMPANY, New York, N. Y.
Filed October 1, 1923. Serial No. 186,419. PUBLISHED JANUARY 8, 1924.

181,315. BUTTER. JOHN HABHEGGER CO., Watertown, Wis.
Filed October 1, 1923. Serial No. 186,425. PUBLISHED JANUARY 1, 1924.

181,316. OINTMENT FOR THE HAIR. TARQUIN MANUFACTURING CO., Washington, D. C.
Filed October 1, 1923. Serial No. 186,450. PUBLISHED JANUARY 1, 1924.

181,317. COLLOIDAL HYDROXIDE OF ALUMINUM, A PREPARATION USED IN THE TREATMENT OF GASTRIC HYPERACIDITY. THE WANDER COMPANY, Chicago, Ill.
Filed October 1, 1923. Serial No. 186,451. PUBLISHED JANUARY 1, 1924.

181,318. SILK PIECE GOODS. J. A. MIGEL, INC., Bergen, N. J., and New York, N. Y.
Filed October 2, 1923. Serial No. 186,482. PUBLISHED JANUARY 1, 1924.

181,319. BLOOD TONIC AND PURIFIER. ARCANGELO M. J. TUMINELLI, doing business as Artum Chemical Manufacturing Company, Baltimore, Md.
Filed October 2, 1923. Serial No. 186,488. PUBLISHED JANUARY 1, 1924.

181,320. FILTERING, CLARIFYING, AND DEODORIZING CARBONS. SUCHAR PROCESS CORPORATION, Dover, Del.
Filed July 9, 1923. Serial No. 183,008. PUBLISHED NOVEMBER 20, 1923.

181,321. ICE CREAM. THE HENDLER CREAMERY COMPANY, Baltimore, Md.
Filed July 11, 1923. Serial No. 183,069. PUBLISHED JANUARY 1, 1924.

181,322. CERTAIN NAMED TOILET PREPARATIONS. LEO B. SIMONSON, New York, N. Y.
Filed July 13, 1923. Serial No. 183,169. PUBLISHED JANUARY 1, 1924.

181,323. ANÆSTHETIC FOR USE IN EXTRACTING TEETH. LOUIS A. FINKELSTEIN, Johnstown, Pa.
Filed July 16, 1923. Serial No. 183,265. PUBLISHED JANUARY 8, 1924.

181,324. CLEANSING CREAM AND WRINKLE REMOVER AND FACE POWDER. VICTORIA MCDONALD, Cleveland, Ohio.
Filed July 18, 1923. Serial No. 183,391. PUBLISHED JANUARY 1, 1924.

181,325. CANNED SALMON. NEW ENGLAND FISH COMPANY, Boston, Mass.
Filed July 21, 1923. Serial No. 183,530. PUBLISHED NOVEMBER 6, 1923.

181,326. BREAD. DAVIS STANDARD BREAD COMPANY INCORPORATED, Los Angeles, Calif.
Filed July 23, 1923. Serial No. 183,558. PUBLISHED JANUARY 8, 1924.

181,327. COTTON PIECE GOODS. MICHAEL CLAUDE HART, Manchester, England.
Filed July 23, 1923. Serial No. 183,571. PUBLISHED JANUARY 1, 1924.

181,328. WOMEN'S, MISSES', AND CHILDREN'S HATS. LICHTENSTEIN-MITTENTHAL COMPANY, Dallas, Tex.
Filed July 24, 1923. Serial No. 183,629. PUBLISHED JANUARY 1, 1924.

181,329. SOFT AND STIFF FELT HATS AND CAPS FOR MEN AND BOYS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed July 24, 1923. Serial No. 183,637. PUBLISHED DECEMBER 25, 1923.

181,330. HOSIERY. S. Y. W. HOSIERY CO., Burlington, N. C.
Filed July 25, 1923. Serial No. 183,671. PUBLISHED JANUARY 1, 1924.

181,331. LADIES', MEN'S, AND BOYS' HATS AND CAPS. THE HATTER'S CLEARING HOUSE INC., New York, N. Y.
Filed July 26, 1923. Serial No. 183,704. PUBLISHED JANUARY 1, 1924.

181,332. POULTRY-LICE OINTMENT. FREDERICK J. STEARNS, Manchester, N. H.
Filed July 26, 1923. Serial No. 183,725. PUBLISHED JANUARY 1, 1924.

181,333. MATZOS. THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio.
Filed July 30, 1923. Serial No. 183,842. PUBLISHED JANUARY 8, 1924.

181,334. MATZOS. THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio.
Filed July 30, 1923. Serial No. 183,843. PUBLISHED JANUARY 8, 1924.

181,335. CERTAIN TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed July 31, 1923. Serial No. 183,881. PUBLISHED JANUARY 1, 1924.

181,336. LADIES' AND MISSES' HATS. COHN & KAPLAN, New York, N. Y.
Filed August 1, 1923. Serial No. 183,908. PUBLISHED DECEMBER 25, 1923.

181,337. LEATHER BOOTS AND SHOES AND SLIPPERS. INTERNATIONAL SHOE COMPANY, doing business as Morse & Rogers, St. Louis, Mo., and New York, N. Y.
Filed August 2, 1923. Serial No. 183,976. PUBLISHED JANUARY 1, 1924.

181,338. MATTRESSES. KNOXVILLE MATTRESS CO., Knoxville, Tenn.
Filed August 2, 1923. Serial No. 183,979. PUBLISHED JANUARY 1, 1924.

181,339. LEATHER, RUBBER, FABRIC SHOES. QUALITY SHOE SHOP, Washington, D. C.
Filed August 4, 1923. Serial No. 184,102. PUBLISHED JANUARY 1, 1924.

181,340. CIGARETTES. F. & E. SOTER CORPORATION, Brooklyn, N. Y.
Filed June 11, 1923. Serial No. 181,870. PUBLISHED JANUARY 8, 1924.

181,341. HATS. DIXIE MAID HAT COMPANY, West Carrollton, Ohio.
Filed July 23, 1923. Serial No. 183,560. PUBLISHED NOVEMBER 27, 1923.

181,342. CLEANSING COMPOSITIONS AND SPOT REMOVERS. THE WESTKIN CORPORATION, New York N. Y.
Filed February 27, 1923. Serial No. 176,701. PUBLISHED JANUARY 1, 1924.

181,343. EDIBLE FOOD COMPRISED OF A FRANKFURTER INCASED IN DOUGH BAKED WITH THE FRANKFURTER. FRANCIS G. MATSON, Washington, D. C.
Filed March 22, 1923. Serial No. 177,857. PUBLISHED AUGUST 21, 1923.

181,344. EDIBLE FOOD COMPRISED OF A FRANKFURTER INCASED IN THE DOUGH BAKED WITH THE FRANKFURTER. FRANCIS G. MATSON, Washington, D. C.
Filed March 23, 1923. Serial No. 177,918. PUBLISHED AUGUST 21, 1923.

181,345. ENAMELED BRICKS. AMERICAN ENAMELED BRICK & TILE COMPANY, New York, N. Y.
Filed March 31, 1923. Serial No. 178,369. PUBLISHED JANUARY 8, 1924.

181,346. MOLDING AND CORE SAND AND GROUND FIRE CLAY. THE E. C. HUMPHREYS & BROTHER CO., Columbus, Ohio.
Filed April 16, 1923. Serial No. 179,206. PUBLISHED JANUARY 1, 1924.

181,347. HATS AND CAPS FOR MEN AND BOYS. ROBERT BAER, doing business as Robert Baer Hat Co. Los Angeles, Calif.
Filed April 25, 1923. Serial No. 179,645. PUBLISHED DECEMBER 25, 1923.

181,348. A SAPONIFIED SHAVING COMPOUND IN PASTE FORM. SIDNEY I. BARNETT, doing business as The Nu-Shave Co., New York, N. Y., and Detroit, Mich.
Filed May 3, 1923. Serial No. 180,096. PUBLISHED JANUARY 8, 1924.

181,349. PREPARATION FOR CLEANSING THE TEETH AND MOUTH. CHARLES J. BROWN, doing business as The B. K. Laboratory, Kansas City, Kans.
Filed May 8, 1923. Serial No. 180,323. PUBLISHED DECEMBER 25, 1923.

181,350. SENSITIZED PHOTOGRAPHIC PAPER, CARDBOARD, AND POST CARDS. KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed May 10, 1923. Serial No. 180,437. PUBLISHED JANUARY 1, 1924.

181,351. SENSITIZED PHOTOGRAPHIC PAPER, CARDBOARD, AND POST CARDS. KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed May 10, 1923. Serial No. 180,438. PUBLISHED JANUARY 1, 1924.

181,352. SENSITIZED PHOTOGRAPHIC PAPER, CARDBOARD, AND POST CARDS. KRAFT & STEUDEL FABRIK PHOTOGRAPHISCHER PAPIERE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany.
Filed May 10, 1923. Serial No. 180,439. PUBLISHED JANUARY 1, 1924.

181,353. TOMBSTONES, MONUMENTS, AND MEMORIALS. CROSS BRO'S CO., Northfield, Vt.
Filed May 25, 1923. Serial No. 181,112. PUBLISHED JANUARY 1, 1924.

181,354. PREPARATION FOR THE TREATMENT OF ASTHMA. J. H. GUILD COMPANY, Rupert, Vt.
Filed June 2, 1923. Serial No. 181,485. PUBLISHED JANUARY 1, 1924.

181,355. LADIES' BELTS FOR PERSONAL WEAR. SLOTE & SCHAFFER, New York, N. Y.
Filed August 25, 1923. Serial No. 184,989. PUBLISHED DECEMBER 25, 1923.

181,356. ZWIEBACK. MANCHESTER BISCUIT COMPANY, INCORPORATED, Sioux Falls, S. Dak.
Filed August 27, 1923. Serial No. 185,027. PUBLISHED JANUARY 1, 1924.

181,357. ROUGE, LIP STICKS, FACE POWDER, AND COMPACT. MODERN PHARMACAL CO., INC., New York, N. Y.
Filed August 27, 1923. Serial No. 185,032. PUBLISHED JANUARY 1, 1924.

181,358. HATS FOR WOMEN. L. W. MARKS & CO. INC., New York, N. Y.
Filed August 28, 1923. Serial No. 185,087. PUBLISHED JANUARY 1, 1924.

181,359. MEAT SCRAPS FOR POULTRY. SACRAMENTO FEED AND FERTILIZER COMPANY, North Sacramento, Calif.
Filed August 29, 1923. Serial No. 185,148. PUBLISHED JANUARY 8, 1924.

181,360. RAW BONE FOR POULTRY. SACRAMENTO FEED AND FERTILIZER COMPANY, North Sacramento, Calif.
Filed August 29, 1923. Serial No. 185,149. PUBLISHED JANUARY 8, 1924.

181,361. LAXATIVE. CLYDE MENAUGH, Muncie, Ind.
Filed August 30, 1923. Serial No. 185,183. PUBLISHED JANUARY 8, 1924.

181,362. LADIES' AND MISSES' HATS. FERLE HELLER, INC., New York, N. Y.
Filed September 1, 1923. Serial No. 185,248. PUBLISHED JANUARY 1, 1924.

181,363. FACE POWDER AND FACE CREAM. THE POMPEIAN MFG. COMPANY, Cleveland, Ohio.
Filed September 4, 1923. Serial No. 185,312. PUBLISHED JANUARY 1, 1924.

181,364. TABLE SIRUPS. OTTO T. DRENIKOW, doing business as California Syrup & Packing Co., Cupertino, Calif.
Filed September 5, 1923. Serial No. 185,330. PUBLISHED JANUARY 1, 1924.

181,365. PIPES. AMILCARE LUSUARDI, Turin, Italy.
Filed September 5, 1923. Serial No. 185,343. PUBLISHED JANUARY 1, 1924.

181,366. MEN'S AND BOYS' CAPS. WEINSTEIN MANUFACTURING COMPANY, New York, N. Y.
Filed September 5, 1923. Serial No. 185,351. PUBLISHED JANUARY, 1, 1924.

181,367. MILK, CREAM, BUTTER, AND CHEESE. AMERICAN GUERNSEY CATTLE CLUB, Peterboro, N. H.
Filed September 7, 1923. Serial No. 185,400. PUBLISHED JANUARY 1, 1924.

181,368. REDUCING LOTION. ANDREWS & PLEDGER, doing business as Genovar Company, New York, N. Y.
Filed September 8, 1923. Serial No. 185,508. PUBLISHED JANUARY 1, 1924.

181,369. CHEESE. ERNEST REGEZ & SONS, Blanchardville, Wis.
Filed September 10, 1923. Serial No. 185,620. PUBLISHED JANUARY 1, 1924.

181,370. CHILDREN'S VELOCIPEDES. WILLIAM H. BUSH, Wellesley Hills, Mass.
Filed September 12, 1923. Serial No. 185,693. PUBLISHED DECEMBER 25, 1923.

181,371. LEATHER AND CLOTH COMBINATION GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed September 13, 1923. Serial No. 185,742. PUBLISHED JANUARY 1, 1924.

181,372. LEATHER AND CLOTH COMBINATION GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed September 13, 1923. Serial No. 185,744. PUBLISHED JANUARY 1, 1924.

181,373. CLOTH-WASHING POWDER. FRANK TOKECSKI, New York, N. Y.
Filed February 23, 1923. Serial No. 176,513. PUBLISHED JANUARY 1, 1924.

181,374. CANNED GOODS. H. T. QUINLAN & COMPANY, St. Paul, Minn.
Filed March 18, 1919. Serial No. 116,694. PUBLISHED DECEMBER 18, 1923.

181,375. CARAMEL AND CANDY CUTTERS AND CARAMEL AND CANDY SIZERS AND PARTS THEREOF. IDEAL WRAPPING MACHINE COMPANY, Middletown, N. Y.
Filed October 1, 1921. Serial No. 153,602. PUBLISHED JANUARY 1, 1924.

181,376. RICE, RICE BRAN, RICE MEAL, RICE POLISH, AND RICE FLOUR. LOUISIANA STATE RICE MILLING CO. INC., New Orleans, La.
Filed November 25, 1921. Serial No. 155,896. PUBLISHED JANUARY 1, 1924.

181,377. CEREAL BREAKFAST FOODS, PANCAKE FLOUR, WHEAT FLOUR, AND CORN MEAL. NEBRASKA CONSOLIDATED MILLS CO., doing business as The Hastings Mills and Hastings Milling Company, Grand Island, Nebr.
Filed December 14, 1921. Serial No. 156,709. PUBLISHED MARCH 20, 1923.

181,378. EGGS. ELMER W. MOYER, doing business as M. M. Moyer & Co., Philadelphia, Pa.
Filed February 18, 1922. Serial No. 159,516. PUBLISHED JANUARY 1, 1924.

181,379. EMBALMING FLUID. THE REX LABORATORIES, Chicago, Ill.
Filed March 9, 1922. Serial No. 160,435. PUBLISHED OCTOBER 17, 1922.

181,380. LIVE AND DRESSED POULTRY AND CERTAIN NAMED GARDEN AND FIELD PRODUCTS. RALPH E. CONDER, Southborough, Mass.
Filed April 17, 1922. Serial No. 162,382. PUBLISHED JANUARY 1, 1924.

181,381. RAZORS, SAFETY RAZORS, SAFETY-RAZOR BLADES, POCKETKNIVES, SCISSORS, TABLE KNIVES AND FORKS OF BASE METAL, AND HAIR CLIPPERS. MAX DÖRNER G. M. B. H. STAHLWARENFABRIK, Solingen, Germany.
Filed April 20, 1922. Serial No. 162,708. PUBLISHED JANUARY 1, 1924.

181,382. WOOLEN GOODS IN THE PIECE. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed September 7, 1922. Serial No. 169,193. PUBLISHED JANUARY 8, 1924.

181,383. SPARK-TESTING DEVICES FOR INTERNAL-COMBUSTION ENGINES. JOSEPH H. LEVINE, Chicago, Ill.
Filed October 2, 1922. Serial No. 170,203. PUBLISHED JANUARY 1, 1924.

181,384. COTTON GOODS IN THE PIECE. THE UNITED TURKEY RED COMPANY LIMITED, Glasgow, Scotland.
Filed November 16, 1922. Serial No. 172,134. PUBLISHED JUNE 12, 1923.

181,385. SHOES. EGAN-DRYFOOS DISTRIBUTING CO., San Francisco, Calif.
Filed November 25, 1922. Serial No. 172,526. PUBLISHED DECEMBER 25, 1923.

181,386. WOMEN'S AND YOUNG WOMEN'S CLOTHING AND GARMENTS CONSISTING OF SHIRT WAISTS, CRAVATS, STOCKINGS; GLOVES. THE STYLE-CENTER TAILORING COMPANY, Cincinnati, Ohio.
Filed November 25, 1922. Serial No. 172,565. PUBLISHED JANUARY 1, 1924.

181,387. BEAUTY PASTE AND HAIR TONIC. ALBERT H. THOMPSON, doing business as Mari Valda Beauty Products Co., San Francisco, Calif.
Filed December 11, 1922. Serial No. 173,219. PUBLISHED AUGUST 14, 1923.

181,388. CERTAIN NAMED LACES IN THE PIECE. SAMUEL EHRMAN CO., New York, N. Y.
Filed December 16, 1922. Serial No. 173,409. PUBLISHED JANUARY 1, 1924.

181,389. PAPERS—NAMELY, SURFACE-COATED, ROLL-PRINTED, METAL-COATED, EMBOSSED, FLINT, FRICTION, GLAZED, PLATED, LEATHERETTE, SPECIAL-DESIGN, COPPER, AND FOIL PAPER FOR BOX MAKER, AND LITHOGRAPHIC. WALTHER & COMPANY, New York, N. Y.
Filed December 30, 1922. Serial No. 174,044. PUBLISHED JANUARY 1, 1924.

181,390. WOOLEN AND WORSTED PIECE GOODS FOR MEN'S WEAR ONLY. CYRIL JOHNSON WOOLEN CO., Stafford Springs, Conn.
Filed January 9, 1923. Serial No. 174,365. PUBLISHED JANUARY 1, 1924.

181,391. CORSETS. THE RITE FORM CORSET CO., INC., New York, N. Y.
Filed January 25, 1923. Serial No. 175,106. PUBLISHED DECEMBER 25, 1923.

181,392. SOFT DRINK. DOUGLAS-KING LIMITED, Winnipeg, Manitoba, Canada.
Filed February 17, 1923. Serial No. 176,169. PUBLISHED JANUARY 8, 1924.

181,393. CERTAIN NAMED SPICES AND CONDIMENTS. B. H. OLD & CO. INC., New York, N. Y.
Filed June 12, 1923. Serial No. 181,908. PUBLISHED JANUARY 1, 1924.

181,394. ARTICLES OF UNDERWEAR OF KNITTED FABRICS—VIZ, MEN'S AND BOYS' UNDERDRAWERS, COMBINATIONS, UNION SUITS, AND PYJAMAS, AND LADIES' AND GIRLS' VESTS, COMBINATIONS, UNION SUITS, NIGHTDRESSES, AND DRAWERS. THE IRISH LINEN MESH COMPANY, LIMITED, Belfast, Ireland.
Filed June 13, 1923. Serial No. 181,949. PUBLISHED JANUARY 1, 1924.

181,395. PUZZLE. CHARLES E. MCCORRISON, Seattle, Wash.
Filed June 20, 1923. Serial No. 182,253. PUBLISHED JANUARY 1, 1924.

181,396. MATTRESS-FILLING MACHINES. TRIANGLE KAPOK MACHINE CORP., New York, N. Y.
Filed June 23, 1923. Serial No. 182,388. PUBLISHED JANUARY 1, 1924.

181,397. ICEMEN'S BACK APRONS. G. H. VOTER, INC., Boston, Mass.
Filed June 29, 1923. Serial No. 182,630. PUBLISHED JANUARY 1, 1924.

181,398. RUBBER HEELS. SCHACHT RUBBER MFG. CO., Huntington, Ind.
Filed October 19, 1923. Serial No. 187,229. PUBLISHED DECEMBER 25, 1923.

181,399. GIRLS' APPAREL, MORE PARTICULARLY DRESSES, COATS, SKIRTS, BLOUSES, HATS, AND LEATHER FOOTWEAR. SAKS & COMPANY, New York, N. Y.
Filed October 9, 1923. Serial No. 186,758. PUBLISHED JANUARY 1, 1924.

181,400. BALLS FOR THE HANDLES OF AUTOMOBILE GEAR-SHIFT LEVERS. SOUTHWEST ONYX & MARBLE COMPANY, San Diego, Calif.
Filed October 9, 1923. Serial No. 186,760. PUBLISHED JANUARY 1, 1924.

181,401. FRESH APPLES. SCURICH & JERINICH, Watsonville, Calif.
Filed October 12, 1923. Serial No. 186,933. PUBLISHED JANUARY 1, 1924.

181,402. GEARS. DALLMANN MACHINE & MFG. CO., Milwaukee, Wis.
Filed October 13, 1923. Serial No. 186,948. PUBLISHED JANUARY 1, 1924.

181,403. SPRAYERS AND PARTS THEREOF. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed October 15, 1923. Serial No. 186,998. PUBLISHED JANUARY 1, 1924.

181,404. WHEAT FLOUR. MONETT MILL & ELEVATOR COMPANY, Monett, Mo.
Filed October 17, 1923. Serial No. 187,116. PUBLISHED JANUARY 1, 1924.

181,405. LAUNDRY SOAP. CONCENTRATED PRODUCTS CORPORATION, Carlstadt, N. J., and New York, N. Y.
Filed October 18, 1923. Serial No. 187,150. PUBLISHED DECEMBER 25, 1923.

181,406. HEATING PADS. GEORGE J. YORE, doing business as Bag-O-Heat Company, Not Inc., Chicago, Ill.
Filed October 18, 1923. Serial No. 187,183. PUBLISHED JANUARY 8, 1924.

181,407. WALL-PAPER CLEANER. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed October 19, 1923. Serial No. 187,224. PUBLISHED JANUARY 1, 1924.

181,408. CERTAIN TOILET PREPARATIONS. HOUBIGANT, INC., New York, N. Y.
Filed October 20, 1923. Serial No. 187,257. PUBLISHED DECEMBER 25, 1923.

181,409. MEDICINE FOR THE TREATMENT OF STOMACH, LIVER, AND INTESTINAL AILMENTS. D. M. PIERCE, doing business as Estoma Co., Detroit, Mich.
Filed October 20, 1923. Serial No. 187,266. PUBLISHED JANUARY 8, 1924.

181,410. WHEAT FLOUR. WILLIS NORTON & CO., North Topeka, Kans.
Filed October 20, 1923. Serial No. 187,275. PUBLISHED JANUARY 8, 1924.

181,411. COTTON YARN. THE MANCHESTER REELING AND WINDING COMPANY, LIMITED, Manchester, England.
Filed October 5, 1922. Serial No. 170,332. PUBLISHED FEBRUARY 6, 1923.

181,412. FRESH CANTALOUPES. BENJAMIN FRANKLIN WAYMIRE, Turlock, Calif.
Filed August 4, 1923. Serial No. 184,109. PUBLISHED JANUARY 8, 1924.

181,413. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. STEVENS & COMPANY, INC., Providence, R. I.
Filed July 30, 1923. Serial No. 183,863. PUBLISHED JANUARY 1, 1924.

181,414. ALUMINUM PERCOLATORS. THE GEORGE H. BOWMAN COMPANY, Cleveland, Ohio.
Filed July 25, 1923. Serial No. 183,643. PUBLISHED OCTOBER 16, 1923.

181,415. LUBRICATING OILS FOR AUTOMOBILE AND OTHER INTERNAL-COMBUSTION ENGINES. O. F. ZURN COMPANY, INCORPORATED, Philadelphia, Pa.
Filed October 3, 1923. Serial No. 186,535. PUBLISHED JANUARY 1, 1924.

181,416. SENO-MINT (A LAXATIVE). ABBOTT LABORATORIES, Chicago, Ill.
Filed October 4, 1923. Serial No. 186,537. PUBLISHED JANUARY 1, 1924.

181,417. PAINT ENAMELS AND READY-MIXED PAINTS. JESSE G. CROLL, doing business as Jesse G. Croll & Son, Philadelphia, Pa.
Filed October 5, 1923. Serial No. 186,587. PUBLISHED JANUARY 8, 1924.

181,418. CORSETS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed October 6, 1923. Serial No. 186,620. PUBLISHED DECEMBER 25, 1923.

181,419. SWEATERS, CAPS, BOOTIES, LEGGINGS, CAPES, AND MUFFLERS. LLAMA KNITTING CO., New York, N. Y.
Filed October 6, 1923. Serial No. 186,651. PUBLISHED JANUARY 1, 1924.

181,420. LEATHER SHOES. F. MAYER BOOT & SHOE CO., Milwaukee, Wis.
Filed October 6, 1923. Serial No. 186,653. PUBLISHED DECEMBER 25, 1923.

181,421. GAS GENERATORS. THE COLEMAN LAMP COMPANY, Wichita, Kans.
Filed October 8, 1923. Serial No. 186,695. PUBLISHED DECEMBER 25, 1923.

181,422. BUILDING BRICKS MADE OF BURNED CLAY. STANDARD BRICK & TILE COMPANY, Portland, Oreg.
Filed September 10, 1923. Serial No. 185,628. PUBLISHED JANUARY 1, 1924.

181,423. SPRING WATER. MICHAEL T. L. EVANS, Trevilians, Va.
Filed September 7, 1923. Serial No. 185,451. PUBLISHED JANUARY 1, 1924.

181,424. FRESH EGGS. HILL CREST MANOR, Wheaton, Ill.
Filed September 6, 1923. Serial No. 185,368. PUBLISHED JANUARY 1, 1924.

181,425. FIRE-BRICK MORTAR, FIRE-BRICK CEMENT, AND FIRE BRICK, AND FIRE-CLAY SHAPES USED IN FURNACE CONSTRUCTION. A. P. GREEN FIRE BRICK CO., Mexico, Mo.
Filed September 5, 1923. Serial No. 185,337. PUBLISHED JANUARY 1, 1924.

181,426. MOTOR-DRIVEN VEHICLES—NAMELY, AUTOMOBILE TAXICABS. YELLOW CAB MANUFACTURING CO., Chicago, Ill.
Filed September 4, 1923. Serial No. 185,328. PUBLISHED JANUARY 1, 1924.

181,427. A CERTAIN NAMED MEDICINE. ANTHONY J. CALAJOE, New York, N. Y.
Filed September 4, 1923. Serial No. 185,287. PUBLISHED JANUARY 1, 1924.

181,428. BUTTER. COLUMBUS CREAMERY, Columbus, Ga.
Filed August 30, 1923. Serial No. 185,177. PUBLISHED JANUARY 1, 1924.

181,429. CERTAIN ARTICLES OF HARDWARE. THE L. S. STARRETT COMPANY, Athol, Mass.
Filed August 29, 1923. Serial No. 185,153. PUBLISHED DECEMBER 25, 1923.

181,430. CERTAIN ARTICLES OF HARDWARE. THE L. S. STARRETT COMPANY, Athol, Mass.
Filed August 29, 1923. Serial No. 185,152. PUBLISHED DECEMBER 25, 1923.

181,431. COMPRESSED ASBESTOS FIBER INSULATING MATERIAL CONSISTING OF FIBROUS INSULATING CENTER WITH ASBESTOS FELTED FIREPROOF COVERING. UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill.
Filed August 27, 1923. Serial No. 185,062. PUBLISHED JANUARY 1, 1924.

181,432. BALLS. WILLIAM SYKES, LIMITED, Horbury and London, England.
Filed August 21, 1923. Serial No. 184,804. PUBLISHED JANUARY 1, 1924.

181,433. WHEAT FLOUR. H. H. KING FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed August 20, 1923. Serial No. 184,736. PUBLISHED DECEMBER 25, 1923.

181,434. INTERCHANGEABLE RINGS FOR STOVE-PIPES. ANTON KATRINA, Yukon, Pa.
Filed August 14, 1923. Serial No. 184,467. PUBLISHED JANUARY 8, 1924.

181,435. PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed August 14, 1923. Serial No. 184,439. PUBLISHED JANUARY 1, 1924.

181,436. PAINTED SIGNS. LUTZ & RICHARDSON, Baltimore, Md.
Filed August 13, 1923. Serial No. 184,410. PUBLISHED JANUARY 1, 1924.

181,437. CHEESE WAFERS. BERTHE P. CLEMENT, administratrix of the estate of Emile A. Clement, New York, N. Y.
Filed August 9, 1923. Serial No. 184,235. PUBLISHED JANUARY 1, 1924.

181,438. A CERTAIN NAMED MEDICINAL PREPARATION. PATRICK HENRY CASEY, doing business as Casey Chemo-Therapy Co., Baltimore, Md.
Filed August 6, 1923. Serial No. 184,117. PUBLISHED JANUARY 1, 1924.

181,439. SUSPENDERS. HARRIS SUSPENDER COMPANY, New York, N. Y.
Filed December 1, 1922. Serial No. 172,799. PUBLISHED JANUARY 1, 1924.

181,440. ANTISEPTIC ANTIPHLOGISTIC OINTMENT FOR THE RELIEF OF LOCAL INFLAMMATION AND CONGESTION. SMITH, KLINE & FRENCH CO., Philadelphia, Pa.
Filed January 26, 1923. Serial No. 175,169. PUBLISHED MAY 22, 1923.

181,441. CLOAKS AND SUITS. BENJAMIN ROTHBELL, doing business as Max Rothbell & Sons, New York, N. Y.
Filed February 5, 1923. Serial No. 175,570. PUBLISHED JANUARY 1, 1924.

181,442. BAKING POWDER, BLUING, LYE, AND LAUNDRY STARCH. JOANNES BROS. CO., Green Bay, Wis.
Filed December 4, 1922. Serial No. 172,878. PUBLISHED JUNE 26, 1923.

181,443. PROPRIETARY MEDICINE FOR DISEASED FEET. RANSOM CHEMICAL COMPANY, Ensley, Birmingham, Ala.
Filed September 12, 1923. Serial No. 185,722. PUBLISHED JANUARY 1, 1924.

181,444. WHEAT AND RYE FLOUR AND BREAKFAST CEREALS. FREDERICK L. SPARKS, Meriden, Conn.
Filed January 6, 1923. Serial No. 174,270. PUBLISHED JANUARY 8, 1924.

181,445. A GAME. LYNN S. LEE, doing business as Lynn Co., Denver, Colo.
Filed September 14, 1923. Serial No. 185,786. PUBLISHED JANUARY 1, 1924.

181,446. PRINTING AND WRITING PAPER. KANSAS CITY PAPER HOUSE, Kansas City, Mo.
Filed September 15, 1923. Serial No. 185,828. PUBLISHED JANUARY 1, 1924.

181,447. WHEAT FLOUR. THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y.
Filed January 13, 1923. Serial No. 174,598. PUBLISHED JANUARY 1, 1924.

181,448. ELECTROTHERAPEUTIC APPARATUS. INTERSTATE ENGINEERING CO., Madison, Wis.
Filed January 22, 1923. Serial No. 174,901. PUBLISHED JANUARY 8, 1924.

181,449. BOND PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,285. PUBLISHED JANUARY 1, 1924.

181,450. BOND PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed October 22, 1923. Serial No. 187,290. PUBLISHED JANUARY 1, 1924.

181,451. BUTTER. SAMUEL B. JOHNSON, doing business as Herington Creamery Co., Herington, Kans.
Filed October 22, 1923. Serial No. 187,316. PUBLISHED JANUARY 8, 1924.

181,452. LAXATIVE IN CANDY FORM. SALVATOR LONGO, doing business as The Sanatone Co., Brooklyn, N. Y.
Filed October 22, 1923. Serial No. 187,322. PUBLISHED DECEMBER 25, 1923.

181,453. CERTAIN TOILET PREPARATIONS. AMERICAN DRUGGISTS SYNDICATE, Long Island City, N. Y.
Filed October 23, 1923. Serial No. 187,371. PUBLISHED DECEMBER 25, 1923.

181,454. INCENSE AND INCENSE CANDLES. JOHN W. DARLEY, JR., doing business as Dreams Co., The Fidelity Trust Co., (Baltimore, Md.) executor of the said John W. Darley, jr., (deceased), Baltimore, Md.
Filed October 23, 1923. Serial No. 187,375. PUBLISHED DECEMBER 25, 1923.

181,455. PREPARATION FOR THE TREATMENT OF KIDNEYS AND LIVER. ARTHUR PARKER, Cairo, Ill.
Filed October 23, 1923. Serial No. 187,384. PUBLISHED DECEMBER 25, 1923.

181,456. PERFUME AND FACE POWDER. L. T. PIVER, INC., Wilmington, Del., and New York, N. Y.
Filed October 23, 1923. Serial No. 187,385. PUBLISHED DECEMBER 25, 1923.

181,457. MEDICINAL PREPARATION FOR BARBER'S ITCH. THOMAS HENRY BAREKMAN, Paris, Ill.
Filed October 24, 1923. Serial No. 187,403. PUBLISHED DECEMBER 25, 1923.

181,458. TISSUE CREAMS. HILDA L. DREW, doing business as The Hilda Lee, Lowell, Mass.
Filed October 24, 1923. Serial No. 187,408. PUBLISHED DECEMBER 25, 1923.

181,459. CERTAIN TOILET PREPARATIONS. HEATHER COMPANY, New York, N. Y.
Filed October 24, 1923. Serial No. 187,420. PUBLISHED DECEMBER 25, 1923.

181,460. CERTAIN TOILET PREPARATIONS. HEATHER COMPANY, New York, N. Y.
Filed October 24, 1923. Serial No. 187,422. PUBLISHED DECEMBER 25, 1923.

181,461. FACIAL BLEACH AND BEAUTY PACK. FLORENCE ST. ANA, Detroit, Mich.
Filed October 25, 1923. Serial No. 187,488. PUBLISHED DECEMBER 25, 1923.

181,462. POULTRY FEED, DIGESTER TANKAGE, AND RAW-BONE MEAL. THE VAN IDERSTINE COMPANY, Long Island City, N. Y.
Filed October 25, 1923. Serial No. 187,498. PUBLISHED JANUARY 8, 1924.

181,463. MATERIAL TO BE USED IN AIDING FILTRATION AND IN DEEMULSIFICATION OF LIQUIDS. CELITE PRODUCTS COMPANY, Los Angeles, Calif.
Filed October 26, 1923. Serial No. 187,508. PUBLISHED DECEMBER 25, 1923.

181,464. MEDICINE FOR CUTS, BURNS, SORES, AND BRUISES. THE SEYLER MEDICINE CO., Cincinnati, Ohio.
Filed October 26, 1923. Serial No. 187,544. PUBLISHED DECEMBER 25, 1923.

181,465. GENERAL ANTISEPTIC. CHLOROPHEN CHEMICAL CO. INC., Elkins, W. Va.
Filed October 27, 1923. Serial No. 187,562. PUBLISHED DECEMBER 25, 1923.

181,466. CERTAIN TOILET PREPARATIONS. CARLOS J. DIAZ, doing business as Les Parfums Des Courtisanes, New York, N. Y.
Filed October 27, 1923. Serial No. 187,569. PUBLISHED DECEMBER 25, 1923.

181,467. TOILET PREPARATIONS. CARLOS J. DIAZ, doing business as Les Parfums Des Courtisanes, New York, N. Y.
Filed October 27, 1923. Serial No. 187,570. PUBLISHED DECEMBER 25, 1923.

181,468. COLD, BLEACHING, AND VANISHING CREAM, COMPLEXION BAGS, AND HAND LOTION. ADA BELLE GRAY, Kansas City, Mo.
Filed October 29, 1923. Serial No. 187,621. PUBLISHED DECEMBER 25, 1923.

181,469. LOTION FOR THE FACE AND HANDS. X-TOL PRODUCTS COMPANY, Dayton, Ohio.
Filed February 8, 1923. Serial No. 175,752. PUBLISHED MAY 29, 1923.

181,470. FLOOR POLISHES. JOHANN BOSCH GESELLSCHAFT M. B. H., FABRIK FÜR ASPHALT, DACHPAPPE U. TEERPRODUKTE, Vienna, Austria.
Filed March 23, 1923. Serial No. 177,913. PUBLISHED JANUARY 8, 1924.

181,471. REDEEMABLE COUPONS. HERBERT C. MERSHON, doing business as Mershon Advertising Agency, Chicago, Ill.
Filed March 23, 1923. Serial No. 177,919. PUBLISHED JANUARY 1, 1924.

181,472. OLIVE OIL. RINAUDO MAJANO & CIE., Nice, France.
Filed April 4, 1923. Serial No. 178,568. PUBLISHED JANUARY 1, 1924.

181,473. WHEAT FLOUR AND GRAHAM FLOUR. THE MARYSVILLE MILL & ELEVATOR COMPANY, Marysville, Kans.
Filed April 5, 1923. Serial No. 178,622. PUBLISHED JANUARY 1, 1924.

181,474. LAXATIVE FOOD ADAPTED TO PROMOTE THE GROWTH OF PROTECTIVE BACTERIA IN THE INTESTINAL FLORA. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed April 19, 1923. Serial No. 179,350. PUBLISHED JANUARY 1, 1924.

181,475. SILK THREADS AND YARN. GUDEBROD BROS. SILK CO., New York, N. Y.
Filed April 26, 1923. Serial No. 179,721. PUBLISHED DECEMBER 11, 1923.

181,476. PREPARED YEAST FOOD TONIC. THE NOVAFAEX COMPANY, Chicago, Ill.
Filed April 28, 1923. Serial No. 179,880. PUBLISHED DECEMBER 25, 1923.

181,477. BLANK BOOKS WHICH ARE SPECIFICALLY ADAPTED FOR THE KEEPING OF A HOME BUDGET. FRED GERTZ, Jr., St. Louis, Mo.
Filed May 16, 1923. Serial No. 180,695. PUBLISHED JANUARY 1, 1924.

181,478. COFFEE. ASMUS BROS., Detroit, Mich.
Filed May 17, 1923. Serial No. 180,733. PUBLISHED OCTOBER 30, 1923.

181,479. CANNED VEGETABLES, CANNED TOMATO PURÉE, AND TOMATO CATCHUP. NATIONAL PACKING CORPORATION, Ogden, Utah.
Filed May 19, 1923. Serial No. 180,880. PUBLISHED NOVEMBER 13, 1923.

181,480. BATH SPRAYS WITH RUBBER-TUBING ATTACHMENTS. W. T. GRANT COMPANY, New York, N. Y.
Filed May 26, 1923. Serial No. 181,184. PUBLISHED JANUARY 1, 1924.

181,481. DENTAL PASTE. JOSEPH L. SMITH, doing business as Josmith Products Co., Denver, Colo.
Filed May 26, 1923. Serial No. 181,222. PUBLISHED JANUARY 8, 1924.

181,482. MEN'S GARTERS. GROSOR FROST COMPANY, Boston, Mass.
Filed June 2, 1923. Serial No. 181,481. PUBLISHED DECEMBER 25, 1923.

181,483. CHEESE. PABST FARMS, Summit and Oconomowoc, Wis., assignee to Pabst Holstein Farms, Milwaukee, Wis., a Corporation of Wisconsin.
Filed June 2, 1923. Serial No. 181,496. PUBLISHED JANUARY 1, 1924.

181,484. EARTHENWARE. RED WING UNION STONEWARE CO., Red Wing, Minn.
Filed June 8, 1923. Serial No. 181,697. PUBLISHED JANUARY 8, 1924.

181,485. TOILET SOAPS, HAND SOAPS, AND SKIN SOAPS. DAVIS & LAWRENCE CO., New York, N. Y.
Filed June 11, 1923. Serial No. 181,822. PUBLISHED JANUARY 1, 1924.

181,486. CANNED FRUITS AND VEGETABLES. TAMAL PACKING CO., San Francisco, Calif.
Filed June 12, 1923. Serial No. 181,919. PUBLISHED DECEMBER 11, 1923.

181,487. BOOK PAPER. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass.
Filed October 31, 1923. Serial No. 187,711. PUBLISHED JANUARY 1, 1924.

181,488. INSULATING MATERIAL FOR WALLS, BOX CARS, REFRIGERATOR CARS, AND REFRIGERATORS. CALIFELT INSULATION MFG. CO., Los Angeles, Calif.
Filed October 31, 1923. Serial No. 187,710. PUBLISHED DECEMBER 25, 1923.

181,489. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed October 30, 1923. Serial No. 187,706. PUBLISHED JANUARY 8, 1924.

181,490. DENTAL INSTRUMENTS. THE L. D. CAULK COMPANY, Milford, Del.
Filed October 30, 1923. Serial No. 187,663. PUBLISHED JANUARY 8, 1924.

181,491. REMEDY FOR ITCH. LEMUEL J. SHARP, doing business as Paracide Co., Commerce, Ga.
Filed October 29, 1923. Serial No. 187,646. PUBLISHED DECEMBER 25, 1923.

181,492. NERVE DEPRESSANT. G. D. SEARLE AND COMPANY, Chicago, Ill.
Filed October 29, 1923. Serial No. 187,645. PUBLISHED DECEMBER 25, 1923.

181,493. TOILET PREPARATIONS. HEATHER COMPANY, New York, N. Y.
Filed October 29, 1923. Serial No. 187,628. PUBLISHED DECEMBER 25, 1923.

181,494. CORSETS. F. P. HOY, INC., New York, N. Y.
Filed June 21, 1923. Serial No. 182,806. PUBLISHED JANUARY 1, 1924.

181,495. WHEAT FLOUR. PORTLAND FLOUR MILLS CO., Portland, Oreg.
Filed June 18, 1923. Serial No. 182,176. PUBLISHED JANUARY 8, 1924.

181,496. POLISH AND COATING FOR JAPANNED, VARNISHED, OR ENAMELED SURFACES. FRANK S. KELLY, doing business as Kelly's Japan Polish Co., Chicago, Ill.
Filed June 18, 1923. Serial No. 182,155. PUBLISHED JANUARY 8, 1924.

181,497. ALIMENTARY PASTES. ALBERTO PRETTO, doing business as E. Pretto & C., Genoa, Italy.
Filed June 13, 1923. Serial No. 181,959. PUBLISHED JANUARY 1, 1924.

181,498. CERTAIN TOILET PREPARATIONS. FRANCOIS JOSEPH DE SPOTURNO COTY, Suresnes, France.
Filed September 9, 1922. Serial No. 169,238. PUBLISHED JUNE 5, 1923.

181,499. PERIODICALS. RAILROAD BUYERS & SELLERS SERVICE BUREAU, Chicago, Ill.
Filed August 10, 1922. Serial No. 168,066. PUBLISHED JANUARY 1, 1924.

181,500. DENTAL GOLDS. J. F. JELENKO & CO., New York, N. Y.
Filed November 15, 1923. Serial No. 188,371. PUBLISHED JANUARY 8, 1924.

181,501. WRITING PAPER, MAILING ENVELOPES, AND PAPETERIES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed November 14, 1923. Serial No. 188,351. PUBLISHED JANUARY 1, 1924.

181,502. TOY PISTOLS, RIFLES, AND REPEATING RIFLES. THE EDWARDS MANUFACTURING CO., Cincinnati, Ohio.
Filed Nov. 12, 1923. Serial No. 188,234. PUBLISHED JANUARY 1, 1924.

181,503. SNAP FASTENERS. THE AMERICAN FASTENER COMPANY, Waterbury, Conn.
Filed November 8, 1923. Serial No. 188,102. PUBLISHED JANUARY 1, 1924.

181,504. GOLF BALLS. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed November 3, 1923. Serial No. 187,972. PUBLISHED JANUARY 1, 1924.

181,505. PREPARATION OF HYPOPHOSPHITES. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 3, 1923. Serial No. 187,921. PUBLISHED JANUARY 8, 1924.

181,506. BOND PAPERS, BOXED STATIONERY, AND TABLETS. NEENAH PAPER CO., Neenah, Wis.
Filed November 1, 1923. Serial No. 187,835. PUBLISHED JANUARY 1, 1924.

181,507. CERTAIN MEDICINAL PREPARATIONS. JOHN R. STEGE, doing business as The Haemozon Products Company, West Bend, Wis.
Filed August 25, 1923. Serial No. 184,992. PUBLISHED JANUARY 8, 1924.

181,508. CERTAIN TOILET PREPARATIONS. BENS TOILET PRODUCTS, INC., Syracuse, N. Y.
Filed August 31, 1923. Serial No. 185,198. PUBLISHED DECEMBER 4, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

181,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY E. VALENTINE, doing business as After-Shave Laboratories, Los Angeles, Calif. Filed May 18, 1923. Serial No. 180,819.

After-Shave



Particular description of goods.—After-Shaving Lotion.
Claims use since Feb. 1, 1923.

181,510. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KELSO MANUFACTURING CO., Detroit, Mich. Filed July 9, 1923. Serial No. 182,976.

KELSO

Particular description of goods.—Tire Gauges.
Claims use since on or about Mar. 1, 1921.

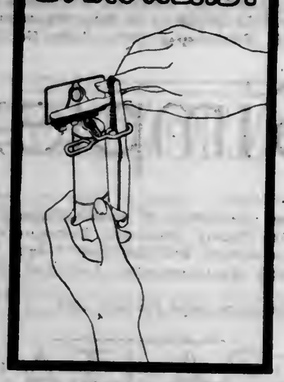
181,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y. Filed July 16, 1923. Serial No. 183,290.

HECKERS' BEST

Particular description of goods.—Wheat Flour.
Claims use since Aug. 18, 1909.

181,512. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROBERT K. BLACKSHEAR, Corsicana, Tex. Filed Aug. 11, 1923. Serial No. 184,819.

EVER-READY



Particular description of goods.—Attachments for Holding Tooth-Paste Tubes and Toothbrushes.
Claims use since July 23, 1923.

181,513. (CLASS 45. BEVERAGES, NONALCOHOLIC.) GRANITE STATE SPRING WATER CO., Atkinson Depot, N. H. Filed Sept. 29, 1923. Serial No. 186,364.

Old Hampshire

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages and Sirups for Making the Same.
Claims use since Sept. 1, 1922.

181,514. (CLASS 15. OILS AND GREASES.) ENTERPRISE OIL COMPANY, INC., Buffalo, N. Y. Filed Oct. 1, 1923. Serial No. 186,422.

HOWER

Particular description of goods.—Lubricating Oils.
Claims use since December, 1921.

181,515. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BASSEE'S TEXTILE CLEARING HOUSE, INC., New York, N. Y. Filed Oct. 2, 1923. Serial No. 186,460.

Satin de Paris

Particular description of goods.—Silk Goods, in the Piece.
Claims use since Nov. 15, 1921.

181,516. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DE ZENG STANDARD CO., Camden, N. J. Filed Oct. 4, 1923. Serial No. 186,545.

Simplex

Particular description of goods.—Diagnostic Medical Instruments—Namely, Otoscopes, Laryngoscopes, Cystoscopes, Proctoscopes, Bronchoscopes, Tongue Depressors, Mouth Gags, Pharyngoscopes, Laryngeal Blades and Specula.
Claims use since about January, 1923.

181,517. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) E. C. STEARNS & CO., Syracuse, N. Y. Filed Oct. 9, 1923. Serial No. 186,761.

LOCK FAST

Particular description of goods.—Oil and Molasses Gates.
Claims use since Jan. 25, 1916.

181,518. (CLASS 32. FURNITURE AND UPHOLSTERY.) ALFRED P. SCHULTZE, doing business as Peerless Pattern Works, Middletown, Conn. Filed Jan. 29, 1923. Serial No. 175,273.

PEERLESS

Particular description of goods.—Chests and Boxes of Cedar.
Claims use since Jan. 22, 1923.

181,519. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DEFENDER MANUFACTURING COMPANY, INC., Long Island City, N. Y. Filed Feb. 2, 1923. Serial No. 175,422.

CRETONETTE

Particular description of goods.—Pillowcases.
Claims use since Jan. 24, 1923.

181,520. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MUELLER METALS COMPANY, Port Huron, Mich. Filed Feb. 28, 1923. Serial No. 176,755.

MUELLER

Particular description of goods.—Tubes and Screw Machine Products—Namely, Trap Nuts, Drain Tubes, Hose Nozzles, Union Seat Rings, L's, Sprinkler Parts, Packing Nuts, and Frost Clamps for Water Meters.
Claims use since on or about June 1, 1921.

181,521. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEATRICE E. DAVIS, Caruthersville, Mo. Filed Mar. 5, 1923. Serial No. 176,954.

MADAM
B. E. DAVIS'
HAIR
STIMULATOR

Particular description of goods.—Hair Stimulator.
Claims use since 1914.

181,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GEORGE W. LUFT COMPANY, INC., Long Island City, N. Y. Filed Mar. 20, 1923. Serial No. 177,747.

MONS DORIOT

Particular description of goods.—Face Cream, Cleansing Cream, Bleach Cream, Day Cream, Dental Cream, Night Cream, Hair Color Restorer, Liquid Complexion Powder, Rouge, Compact Powder, Lip Stick, Eyebrow Pencils, Bath Salts, Skin Lotion, and Massage Oil.
Claims use since about Sept. 1, 1921.

181,523. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ALEX LAYTON & SONS, Lancaster, Ky. Filed May 12, 1923. Serial No. 180,540.

ALEX LAYTON & SONS
"Old Standing Burley"

Particular description of goods.—Tobacco Seed.
Claims use since Jan. 1, 1922.

181,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923. Serial No. 190,216.

STANDARD OIL COMPANY OF LOUISIANA

Particular description of goods.—Knitting Oil, Fiber Grease, and Yarn Grease.
Claims use since Dec. 13, 1913.

181,525. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HARDWICK STOVE CO., Cleveland, Tenn. Filed Jan. 10, 1924. Serial No. 190,640.

HARDWICKS
KITCHENETTE

Particular description of goods.—Stoves Using Fluid Fuel.
Claims use since Jan. 1, 1922.

181,526. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Jan. 12, 1924. Serial No. 190,723.

LINCOLN

Particular description of goods.—Writing Paper.
Claims use since Oct. 31, 1900.

181,527. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE KIRKLATTY MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 17, 1924. Serial No. 190,929.

CLEVELAND

Particular description of goods.—Bolts, Including Carriage Bolts, Machine Bolts, Lag Bolts, Tire Bolts, Flat and Round Head Stove Bolts, and Fin-Head Bolts.
Claims use since 1902.

181,528. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL EQUIPMENT COMPANY, Springfield, Mass. Filed Jan. 21, 1924. Serial No. 191,083.

BAUSMAN DISC PROCESS

Particular description of goods.—Chocolate and Confectionery Machinery, Particularly Apparatus and Machinery for Reducing and Refining Chocolate and the Like.
Claims use since Oct. 3, 1910.

181,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923. Serial No. 187,185.

ARIZONA

Particular description of goods.—Cotton Piece Goods.
Claims use since May, 1919.

181,530. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KILBY FROG & SWITCH CO., Birmingham, Ala. Filed Aug. 26, 1921. Serial No. 152,224.

ATLAS

Particular description of goods.—Railroad Frogs.
Claims use since June 6, 1921.

181,531. (CLASS 10. FERTILIZERS.) POTASH MARL, INC., New York, N. Y. Filed Aug. 14, 1922. Serial No. 168,235.

POTASH-MARL

Particular description of goods.—Fertilizers.
Claims use since July 18, 1921.

181,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF). JOHN E. GILSON, doing business as J. E. Gilson Company, Port Washington, Wis. Filed Dec. 11, 1922. Serial No. 173,187.

GILSON GARDEN TOOLS

Particular description of goods.—Garden Tools Consisting of Hand and Wheel Hoes, Rakes, Cultivators, Weeders, and Plows, Scratch Weeders, Lawn-Edge Trimmers, and Dandelion Diggers.
Claims use since Dec. 4, 1922.

181,533. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE WILDMAN RUBBER COMPANY, Bay City, Mich. Filed Jan. 11, 1923. Serial No. 174,503.

Daddy Brownell

Particular description of goods.—Pneumatic Automobile Tires and Rubber Tire Tubes.
Claims use since February, 1922.

181,534. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MATHIAS KLEIN & SONS, Chicago, Ill. Filed Dec. 14, 1923. Serial No. 189,680.

CHICAGO GRIP

Particular description of goods.—Wire-Pulling Grips.
Claims use since about October, 1906.

181,535. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EVERSTICK ANCHOR COMPANY, St. Louis, Mo. Filed Dec. 17, 1923. Serial No. 189,770.

EVERSTICK

Particular description of goods.—Earth Anchors.
Claims use since about May 1, 1906.

181,536. (CLASS 39. CLOTHING.) A. H. GEUTING CO., Philadelphia, Pa. Filed Dec. 21, 1923. Serial No. 189,973.

SHOOR-TRED SHOE

Particular description of goods.—Leather, Felt, Canvas, and Rubber Shoes for Men, Women, and Children.
Claims use since about Apr. 8, 1919.

181,537. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BUDLONG MANUFACTURING COMPANY, Auburn, R. I. Filed Dec. 24, 1923. Serial No. 190,047.

NON-BETTER

Particular description of goods.—Braids, Elastic Cords, Loop Elastics, Tapes, Shoe Lacings, Underwear Lacings, Blouse Lacings, Elastic Braids, and Galloons, All of Which are Made of Linen, Cotton, Silk, or Worsted.
Claims use since Jan. 1, 1921.

181,538. (CLASS 7. CORDAGE.) MATANZAS CORDAGE COMPANY, S. A., Matanzas, Cuba. Filed Dec. 26, 1923. Serial No. 190,115.

CUBAN BOLT ROPE BRAND

Particular description of goods.—Rope and Twine.
Claims use since about May, 1914.

181,539. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD OIL COMPANY OF LOUISIANA, Baton Rouge, La. Filed Dec. 28, 1923. Serial No. 190,215.

STANDARD OIL COMPANY OF LOUISIANA

Particular description of goods.—Asphalt.
Claims use since Dec. 18, 1913.

181,540. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ROBERT ARTHUR BARRON, doing business as United Sales Corporation, San Francisco, Calif. Filed Jan. 24, 1924. Serial No. 191,215.

Grady

Particular description of goods.—Tool-Handle Wedges.
Claims use since Nov. 1, 1922.

181,541. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Inc., Fall River, Mass. Filed Oct. 19, 1923. Serial No. 187,187.

DECATUR

Particular description of goods.—Cotton Piece Goods.
Claims use since July, 1915.

181,542. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923. Serial No. 187,188.

HANLON

Particular description of goods.—Cotton Piece Goods.
Claims use since March, 1912.

181,543. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923. Serial No. 187,189.

LEONARD

Particular description of goods.—Cotton Piece Goods.
Claims use since March, 1912.

181,544. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Nov. 23, 1923. Serial No. 188,734.

EverSharp SafetyRazor

Particular description of goods.—Razors, Razor Blades, Safety Razors, and Safety-Razor Blades.
Claims use since June 2, 1920.

181,545. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES F. HOLCOMBE, Los Angeles, Calif. Filed Nov. 27, 1923. Serial No. 188,961.

STANDWELL

Particular description of goods.—Mechanics' Hand Tools—viz, Scratch Awls, Bearing Scrapers, Cold Chisels, Cape Chisels, Round-Nose Chisels, Diamond-Point Chisels, Wood Chisels, Drift Punches, Prick Punches, Center Punches, Rivet Sets, Screw Drivers, Screw-Driver Bits, Cotter-Pin Extractors, Brick Sets, Brick Pointers, Calking Tools, Star Drills, Concrete Gads, Wrecking Bars, Soil Augers, Hatchets, and Hammers.
Claims use since Mar. 15, 1922.

TRADE-MARK REGISTRATIONS RENEWED.

24,237. BILLIARD-TABLE CUSHIONS MADE OF RUBBER COMPOUND. Registered February 13, 1894. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Renewed February 13, 1924.

24,267. SMOKED HOG, BEEF, AND MUTTON PRODUCTS. Registered February 20, 1894. THE JACOB DOLD PACKING CO. Renewed February 20, 1924, to Jacob Dold Packing Company, Buffalo, N. Y.; Kansas City, Mo.; Wichita, Kans.; Harrisburg, Pa.; and Liverpool, England, assignee.

24,822. WRAPPING, WRITING, PRINTING, AND TOILET PAPER. Registered June 5, 1894. STONE & FORSYTH. Renewed June 5, 1924, to Stone and Forsyth Company, Boston, Mass., a Corporation of Massachusetts, assignee.

24,843. FIBER, LEATHER BOARD, LEATHEROID, AND TRUNKS AND OTHER ARTICLES MADE THEREFROM. Registered June 12, 1894. JOSIAH CUMMINGS, SON & CO. Renewed June 12, 1924, to Edward J. Cummings, doing business as Josiah Cummings & Son, Boston, Mass., assignee.

25,011. COATS, VESTS, AND PANTALOONS. Registered July 17, 1894. THE STANDARD CLOTHING COMPANY. Renewed July 17, 1924, to Talbot Company, Boston, Mass., successors.

25,014. BELT DRESSING. Registered July 17, 1894. THE WHITE & BAGLEY COMPANY, Worcester, Mass. Renewed July 17, 1924.

25,029. HOG PRODUCTS, INCLUDING HAMS. Registered July 17, 1894. ANGLO-AMERICAN PROVISION COMPANY, Chicago, Ill. Renewed July 17, 1924.

25,043. HOG PRODUCTS, INCLUDING LARD. Registered July 24, 1894. ANGLO-AMERICAN PROVISION COMPANY, Chicago, Ill. Renewed July 24, 1924.

LABELS

REGISTERED MARCH 18, 1924.

27,081.—*Title:* BUTTER CRUST. For Bread. BUTTER CRUST BAKING CO. ROSE & THIELE, PROPS., Council Grove, Kans. Published November 7, 1923.

27,082.—*Title:* NEW ENGLAND BREAD. For Bread. CUSHMAN BAKING COMPANY, Portland, Me. Published November 23, 1923.

27,083.—*Title:* STOP DOPE CHEWING GUM. For Chewing Gum. STEPHEN B. DEXTER, Los Angeles, Calif. Published December 10, 1923.

27,084.—*Title:* PALACELAWN. For Lawn Grass Seed or Grass Seed for Lawns. EAST ST. LOUIS SEED COMPANY, East St. Louis, Ill. Published February 12, 1924.

27,085.—*Title:* FEINBERG KOSHER SAUSAGE CO. For Sausages. FEINBERG KOSHER SAUSAGE CO., Minneapolis, Minn. Published January 21, 1924.

27,086.—*Title:* TAKEOUT. For Preparation for the Removal of Stains. GEORGE ROBERT FISHER, Bogota, N. J. Published November 1, 1923.

27,087.—*Title:* BUTTER-TOAST BREAD. For Loaves of Bread. OSCAR FITZPATRICK, doing business as Fitz Bakery Co., Linton, Ind. Published July 1, 1919.

27,088.—*Title:* MOTHER GOOSE BOXES. For Novelty Toy Reverse-Tuck Folding Boxes. FORT ORANGE PAPER COMPANY, Castleton-on-Hudson, N. Y. Published February 4, 1924.

27,089.—*Title:* LITTLE HIP. For Boxboard Toy Animals and Boxboard Novelty Toys and Toy Circuses. FORT ORANGE PAPER COMPANY, Castleton-on-Hudson, N. Y. Published February 4, 1924.

27,090.—*Title:* HOLLAND BRAND KIDNEY PILLS. For Medicated Pills for the Kidneys. HOLLAND MEDICINE COMPANY, Saginaw, Mich. Published December 1, 1923.

27,091.—*Title:* DIXIE. For Drinking Cups. THE INDIVIDUAL DRINKING CUP COMPANY, INC., Easton, Pa. Published October 31, 1923.

27,092.—*Title:* PINE-TONIC. For a Preparation for the Treatment of the Scalp. ALFRED J. KRANK, St. Paul, Minn. Published February 7, 1924.

27,093.—*Title:* LARVEX MOTHPROOFS FABRICS. For a Bottle Containing a Preparation for Preventing Damage by Moths. THE LARVEX CORPORATION, New York, N. Y. Published December 1, 1923.

27,094.—*Title:* LARVEX MOTHPROOFS FABRICS. For a Pasteboard Box Containing a Bottle and Atomizer of a Preparation for Preventing Damage by Moths. THE LARVEX CORPORATION, New York, N. Y. Published December 1, 1923.

27,095.—*Title:* LARVEX MOTHPROOFS FABRICS. For a Pasteboard Folding Box Containing a Bottle of a Preparation for Preventing Damage by Moths. THE LARVEX CORPORATION, New York, N. Y. Published December 1, 1923.

27,096.—*Title:* LARVEX ATOMIZER. For a Pasteboard Folding Box Containing an Atomizer for Use with a Mothproofing Preparation. THE LARVEX CORPORATION, New York, N. Y. Published December 1, 1923.

27,097.—*Title:* TEN EICK. For Cigars. E. R. MILLER CIGAR CO., Webb City, Mo. Published January 9, 1924.

27,098.—*Title:* CORTESI. For Cigarettes. MILTIADES MELACHRINO, INC., New York, N. Y. Published March 1, 1923.

27,099.—*Title:* MILTIADES. For Cigarettes. MILTIADES MELACHRINO, INC., New York, N. Y. Published January 2, 1924.

27,100.—*Title:* McCOLLUM'S DELICIOUS SWEET BITS. For Candy. MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published November 15, 1923.

27,101.—*Title:* LA BELLE BREAD. For Bread. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J.; New York, N. Y.; and Columbus, Ohio. Published February 4, 1924.

27,102.—*Title:* ROSEDALE. For Toilet Tissue. OSWEGO RIVER PAPER MILLS, Phoenix, N. Y. Published February 15, 1923.

27,103.—*Title:* PERL-O-DENT THE PERFECT TOOTH PASTE. For Tooth Paste. THE PERL-O-DENT CHEMICAL COMPANY, Milwaukee, Wis. Published February 13, 1924.

27,104.—*Title:* RUST-RID. For a Lubricating Oil. RUST-RID MFG. CO., Queens, N. Y. Published January 15, 1924.

27,105.—*Title:* SANKEY'S LIFE OF LEATHER. For a Waterproof Oil for All Kinds of Leather. DAVID W. SANKEY, Mifflinburg, Pa. Published January 21, 1924.

27,106.—*Title:* PLAIN NOODLES. For Boxes of Noodles. THE SHINANO COMPANY, Oakland, Calif. Published November 30, 1923.

27,107.—*Title:* QUALITY INN. For Coffee. SORVER, McEVOY & Co., Philadelphia, Pa. Published December 10, 1923.

27,108.—*Title:* TUMBLER INN. For Coffee. SORVER, McEVOY & Co., Philadelphia, Pa. Published December 10, 1923.

27,109.—*Title:* SUNDERLAND TIRE PUMP—BIG BOY—BALLOON TYPE. For Tire Pumps. THE SUNDERLAND COMPANY, Warsaw, Ind. Published February 18, 1924.

27,110.—*Title:* NU-HAIR. For Composition for Restoring Gray Hair to Its Original Color. HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Published October 1, 1923.

27,111.—*Title:* HI-TY ANTISEPTIC COMPOUND. For Antiseptic Compound. HIRAM TYREE, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Published October 15, 1923.

27,112.—*Title:* FLEX-O FINE TISSUE. For Toilet Paper. UNIVERSAL CREPE & TISSUE MILLS, INC., New York, N. Y. Published September 15, 1923.

27,113.—*Title:* WAT-A-WASH VARNISH REMOVER AND CLEANSER. For Varnish Remover. VAN BAR CORPORATION, Yonkers, N. Y. Published January 19, 1924.

PRINTS

REGISTERED MARCH 18, 1924.

7,250.—*Title:* DAN-D-REM. For Medical Preparation for the Removal of Dandruff. DAN-D-REM, INC., Chicago, Ill. Published November 24, 1923.

7,251.—*Title:* FAIRFIELD PORTABLE CONVEYORS, THE MACHINES THAT TAKE THE "ELL" OUT OF SHOVELLING. For Portable Conveyors. THE FAIRFIELD ENGINEERING COMPANY, Marion, Ohio. Published October 15, 1923.

7,252.—*Title:* KRANKS SKIN-HEALTH FACE POWDER. For Face Powder. ALFRED J. KRANK, St. Paul, Minn. Published January 4, 1924.

7,253.—*Title:* ROPER COMPLETE OVEN CONTROL. For Gas and Electric Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published February 1, 1924.

7,254.—*Title:* ICE CREAM'S THE ONE SURE BET. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published September 15, 1923.

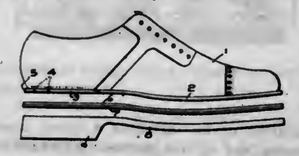
7,255.—*Title:* BE THANKFUL FOR ICE CREAM. For Paper Boxes. SEALRIGHT CO., INC., Fulton, N. Y. Published November 10, 1923.

7,256.—*Title:* TOKYO THROUGH QUAKE AND FIRE. For Fireworks Spectacles. WORLD AMUSEMENT SERVICE ASSOCIATION, Chicago, Ill. Published November 21, 1923.

REISSUES

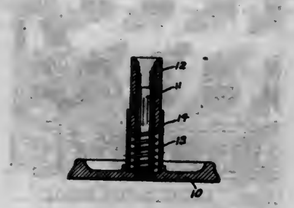
MARCH 18, 1924.

15,794. SHOE. WILLIAM H. CARY, Brockton, Mass., assignor to Avon Sole Company, Avon, Mass., a Corporation of Massachusetts. Filed Jan. 31, 1924. Serial No. 689,770. Original No. 1,475,747, dated Nov. 27, 1923, Serial No. 648,459, filed June 29, 1923. 2 Claims. (Cl. 36—14.)



1. A welted shoe comprising a welt, a base unit consisting of an upper layer of a tough substantially non-extensible homogeneous composition of fibre and rubber to maintain the shape of the shoe and form an anchorage for stitches and a lower layer of crude rubber for cohering homogeneously to the upper layer throughout its entire area, stitches passing through and uniting the welt and base unit and a relatively thick tread member of crude rubber cohering homogeneously to the lower layer of the base unit throughout its entire area, whereby the base unit and tread member form an indivisible outer sole with the stitches embedded well beneath the tread surface.

15,795. CIGARETTE-EXTINGUISHING DEVICE. HOWARD N. JONES, Providence, R. I., assignor, by direct and mesne assignments, to Universal Safety Ash Tray Company, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 22, 1922. Serial No. 545,854. Original No. 1,372,143, dated Mar. 22, 1921, Serial No. 381,765, filed May 15, 1920. 6 Claims. (Cl. 131—51.)

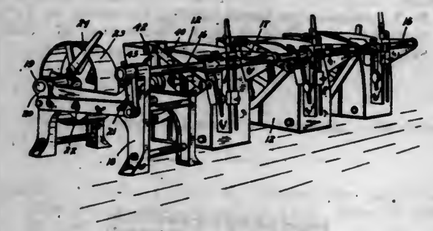


2. An ash receiver comprising a recessed body, a tubular member supported by said receiver and having a closure member for one end thereof, said tubular member being of a diameter to approximately fit and being adapted to receive, smother and so extinguish the lighted end of a cigarette, said tubular member and said closure member being movable one relatively to the other to discharge the contents of the tubular member into the receiver when desired.

15,796. ABRASIVE FOR GRINDING AND SMOOTHING GLASS. WILLIAM L. KANN, Pittsburgh, Pa. Filed July 9, 1923. Serial No. 650,481. Original No. 1,387,649, dated Aug. 16, 1921, Serial No. 369,068, filed Mar. 26, 1920. 5 Claims. (Cl. 51—278.)

1. The method of grinding, smoothing and finishing glass preparatory to polishing, comprising supplying to the glass a natural crystalline abrasive of such character that as it is crushed and broken the smaller grains or particles thereby produced are of distinct crystalline form, and continuously collecting and supplying to the glass such abrasive during the grinding, smoothing and finishing operations, substantially as described.

15,797. TRANSMISSION MECHANISM FOR FEEDERS CONNECTED IN A GANG. EMIL R. DRAVER, Richmond, Ind. Filed Jan. 31, 1921. Serial No. 441,439. Original No. 1,296,637, dated Mar. 11, 1919, Serial No. 231,320, filed Apr. 29, 1918. 11 Claims. (Cl. 83—44.)

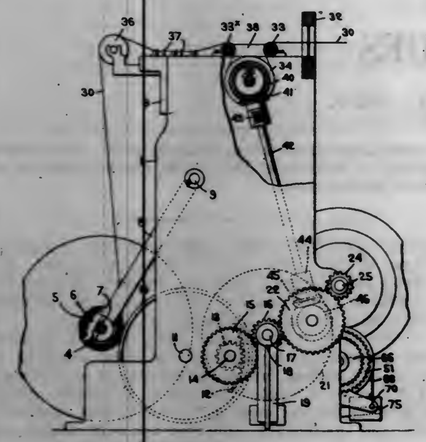


1. A self-contained gang of machines having a common power-driven shaft mounted in suitable bearings thereon, a variable stroke ratchet mechanism on each machine, a variable stroke connection between each ratchet mechanism and said common shaft, and means for throwing said variable stroke connections, independently into and out of action at will.

15,798. TENSION MECHANISM FOR TEXTILE AND OTHER MACHINES. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 4, 1923. Serial No. 678,535. Original No. 1,366,100, dated Jan. 18, 1921, Serial No. 364,064, filed Mar. 8, 1920. 10 Claims. (Cl. 28—35.)

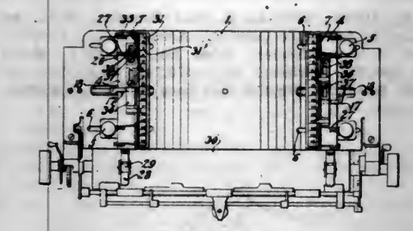
1. A warp beaming machine comprising a warp receiving beam and means for rotating the same at a constant surface speed, a rotatable controller engaging the warp in advance of said warp receiving beam, means for con-

tinuously driving said controller and automatically operable means for regulating the speed of rotation of said



controller to maintain a constant tension upon the warp between said controller and said beam.

15,799. COLLATING DEVICE FOR TYPEWRITERS AND ADDING MACHINES. JOHN A. WHERRY, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 4, 1921. Serial No. 475,122. Original No. 1,324,632, dated Dec. 9, 1919, Serial No. 294,775, filed May 5, 1919. 25 Claims. (Cl. 197—127.)

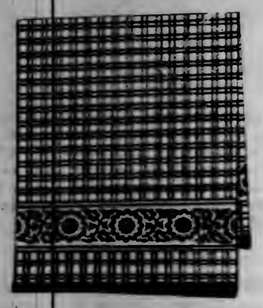


1. A collating device including a board, superimposed sheet clamping and alining members arranged on the upper side of the board, and means for raising said members from the board.

DESIGNS

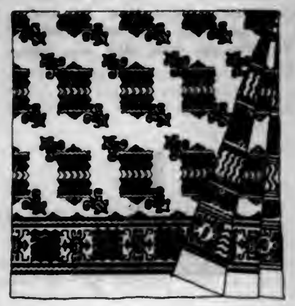
MARCH 18, 1924.

64,230. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,165. Term of patent 7 years.



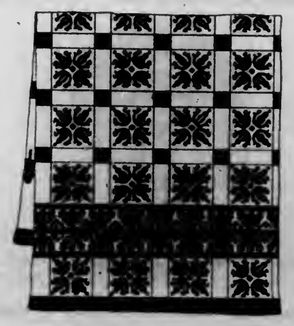
The ornamental design for a blanket or similar article substantially as shown.

64,231. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,166. Term of patent 7 years.



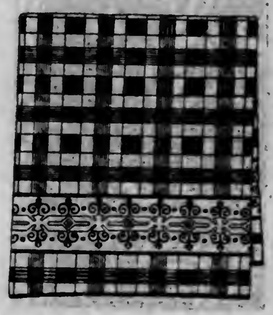
The ornamental design for a blanket or similar article substantially as shown.

64,232. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,167. Term of patent 7 years.



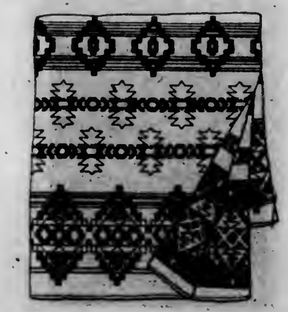
The ornamental design for a blanket or similar article substantially as shown.

64,233. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,168. Term of patent 7 years.



The ornamental design for a blanket or similar article substantially as shown.

64,234. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,169. Term of patent 7 years.



The ornamental design for a blanket or similar article substantially as shown.

64,235. BLANKET. FREDERICK A. ANDREWS, Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I., a Corporation of Massachusetts. Filed Dec. 27, 1923. Serial No. 8,171. Term of patent 7 years.



The ornamental design for a blanket or similar article substantially as shown.

64,236. BIAS TRIMMING. JULIUS BAER, New York, N. Y., assignor to Webbing & Edging Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1923. Serial No. 8,189. Term of patent 7 years.



The ornamental design for bias trimming, substantially as shown.

64,237. DOLL. CECILIA R. BARNEY, Palo Alto, Calif. Filed Oct. 8, 1923. Serial No. 7,422. Term of patent 3½ years.



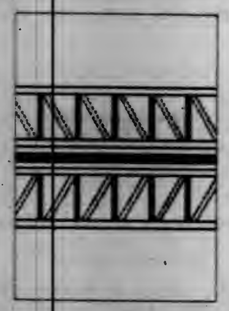
The ornamental design for a doll, as shown.

64,238. DOLL. JAMES E. BEACH, Jr., Fairoaks, Calif. Filed Mar. 19, 1923. Serial No. 5,524. Term of patent 7 years.



The ornamental design for a doll substantially as shown.

64,239. KNITTED FABRIC. CURT FEIG, Philadelphia, Pa. Filed Jan. 26, 1923. Serial No. 5,001. Term of patent 7 years.



The ornamental design for a knitted fabric as shown.

64,240. COAT. NEWTON H. FOGG, Sanford, Me. Filed Dec. 9, 1920. Serial No. 429,599. Term of patent 7 years.



The ornamental design for a coat, as shown.

64,241. LAMP. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Jan. 29, 1924. Serial No. 8,475. Term of patent 3½ years.



The ornamental design for a lamp substantially as shown.

64,242. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1923. Serial No. 7,688. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

64,243. PILE FABRIC. JAMES GOWAN, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 6, 1923. Serial No. 7,689. Term of patent 7 years.



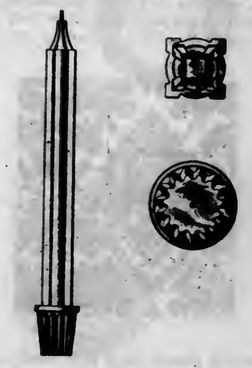
The ornamental design for a pile fabric, as shown.

64,244. LENS FOR AUTOMOBILE STOP AND DIRECTION SIGNALS. BERTRAM J. GRIGSBY, Park Ridge, Ill., assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 29, 1922. Serial No. 2,021. Term of patent 14 years.



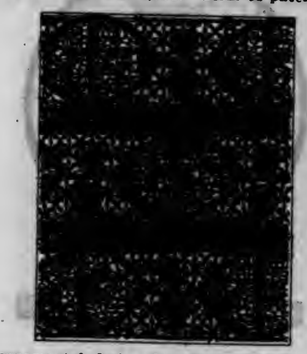
The ornamental design for a lens for automobile stop and direction signals, as shown.

64,245. CANDLE. HENRY GRUESSER, Cincinnati, Ohio, assignor to The Emery Candle Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 11, 1922. Serial No. 1,127. Term of patent 7 years.



The ornamental design for a candle, as shown.

64,246. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 13, 1923. Serial No. 8,006. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,247. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. EUGENE IRVING HANSON, New Rochelle, N. Y., and ALFRED JACOB HEINKE, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Dec. 13, 1923. Serial No. 8,008. Term of patent 3½ years.



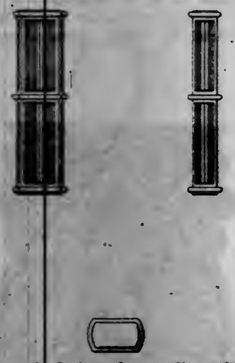
The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

64,248. PLATE OR SIMILAR ARTICLE. GEORGE HASSALLS, Penkhull, England, assignor to Hugh C. Edmiston, New York, N. Y. Filed Nov. 5, 1923. Serial No. 7,682. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

64,249. LIP-STICK HOLDER. SIMON A. JAROSLAWSKI-FIORET, New York, N. Y. Filed Nov. 28, 1923. Serial No. 7,903. Term of patent 14 years.



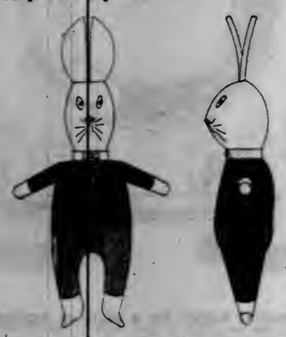
The ornamental design for a lip stick holder, as shown.

64,250. LIP-STICK HOLDER. SIMON A. JAROSLAWSKI-FIORET, New York, N. Y. Filed Nov. 28, 1923. Serial No. 7,904. Term of patent 14 years.



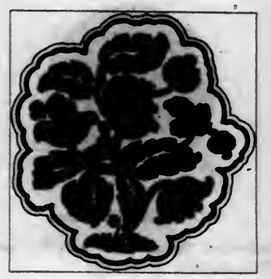
The ornamental design for a lip stick holder, as shown.

64,251. RABBIT DOLL. CHRISTENA KRATING, Council Bluffs, Iowa. Filed Mar. 28, 1923. Serial No. 5,617. Term of patent 7 years.



The ornamental design for a rabbit doll, as shown.

64,252. PILE FABRIC. CLARENCE V. KOZLAY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 24, 1923. Serial No. 7,868. Term of patent 7 years.



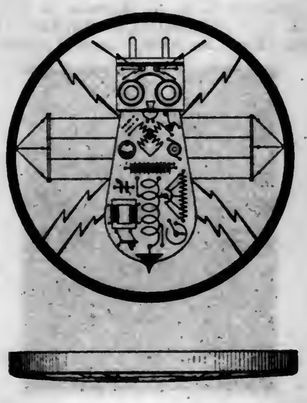
The ornamental design for a pile fabric substantially as shown.

64,253. PILE FABRIC. CLARENCE V. KOZLAY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 24, 1923. Serial No. 7,870. Term of patent 7 years.



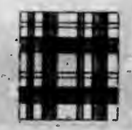
The ornamental design for a pile fabric, substantially as shown.

64,254. BADGE OR SIMILAR ARTICLE. EARL RAY LOCKE, Cleveland, Ohio. Filed June 12, 1922. Serial No. 2,626. Term of patent 14 years.



The ornamental design for a badge or similar article substantially as shown and described.

64,255. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed May 31, 1923. Serial No. 6,352. Term of patent 3½ years.



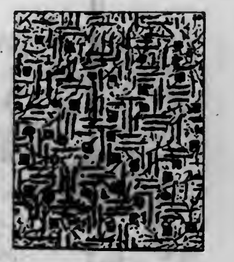
The ornamental design for a textile fabric, as shown and described.

64,256. PINCUSHION. REUBEN L. MARSHALL, Aurora, Ill. Filed Apr. 28, 1922. Serial No. 2,009. Term of patent 7 years.



The ornamental design for a pincushion as shown.

64,257. PAPER. RICHARD L. MARWEDE, New York, N. Y., assignor to Hampden Glazed Paper & Card Company, a Corporation of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,595. Term of patent 14 years.



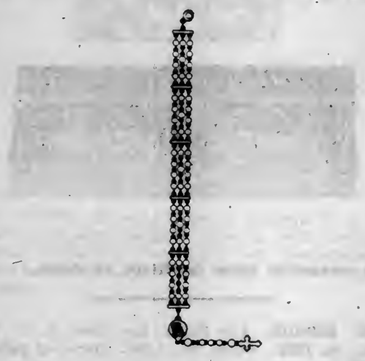
The ornamental design for paper as shown.

64,258. DESK. JOSEPH R. MCCARGAR, Grand Rapids, Mich., assignor to Stow & Davis Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 24, 1923. Serial No. 8,140. Term of patent 7 years.



The ornamental design for a desk, substantially as shown.

64,259. BRACELET. THOMAS F. MCDERMOTT, Providence, R. I. Filed June 21, 1923. Serial No. 6,546. Term of patent 7 years.



The ornamental design for a bracelet, as shown.

64,260. BOX. JOHN W. MILLER, Cardin, Okla. Filed Aug. 15, 1923. Serial No. 7,021. Term of patent 7 years.



The ornamental design for a box as shown.

64,261. FRINGE. FRANKLIN W. OEHRLE, Philadelphia, Pa. Filed May 31, 1923. Serial No. 6,360. Term of patent 3½ years.



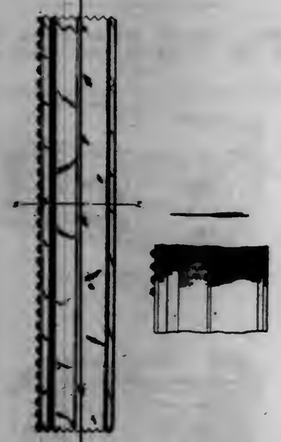
The ornamental design for fringe, as shown.

64,262. FRINGE. FRANKLIN W. OEHRLE, Philadelphia, Pa. Filed June 5, 1923. Serial No. 6,392. Term of patent 3½ years.



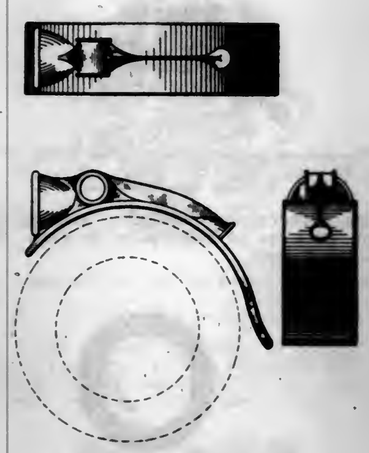
The ornamental design for fringe, as shown.

64,263. RIBBON. LEO PLATT, New York, N. Y. Filed Mar. 16, 1922. Serial No. 1,205. Term of patent 7 years.



The ornamental design for ribbon as shown and described.

64,264. SIGNAL-LIGHT AUTOMOBILE FENDER. JOHN PODMAJERSKY, Chicago, Ill. Filed Oct. 24, 1923. Serial No. 7,577. Term of patent 14 years.



The ornamental design for a signal light automobile fender as shown.

64,265. PORTABLE LAMP. GROSVENOR P. ROBINSON, Summit, N. J., assignor to Lighting Studios Company, New York, N. Y., a Corporation of New York. Filed Jan. 8, 1924. Serial No. 8,278. Term of patent 7 years.



The ornamental design for a portable lamp, as shown.

64,266. TOY DOG. ALBERT Z. SEROR, Jersey City, N. J. Filed Nov. 15, 1922. Serial No. 4,302. Term of patent 3½ years.



The ornamental design for a toy dog, as shown.

64,267. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1923. Serial No. 7,008. Term of patent 14 years.



The ornamental design for paper as shown.

64,268. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1923. Serial No. 7,010. Term of patent 14 years.



The ornamental design for paper as shown.

64,269. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1923. Serial No. 7,012. Term of patent 14 years.



The ornamental design for paper as shown.

64,270. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1923. Serial No. 7,013. Term of patent 14 years.



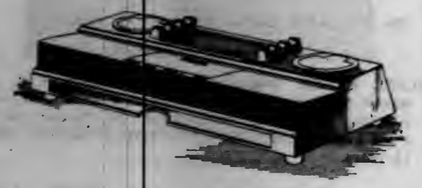
The ornamental design for paper as shown.

64,271. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1923. Serial No. 7,593. Term of patent 14 years.



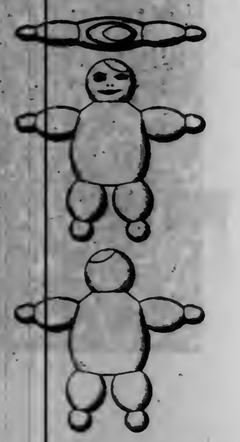
The ornamental design for paper as shown.

64,272. COMBINATION TRAY, PENRACK, AND INKWELL. JOHN ALBERT STRAUB, Muskegon, Mich. Filed Oct. 18, 1922. Serial No. 4,016. Term of patent 14 years.



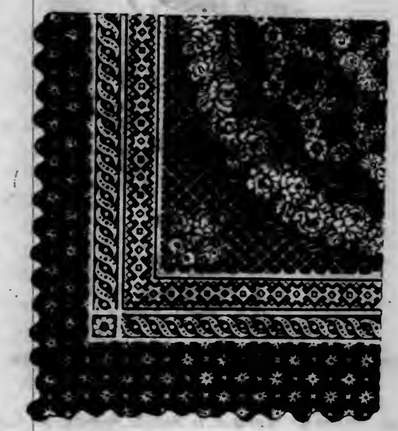
The ornamental design for combination tray, penrack and inkwell as shown.

64,273. DOLL. ROSE VERR, Chicago, Ill. Filed Sept. 19, 1923. Serial No. 7,263. Term of patent 3½ years.



The ornamental design for a doll, as shown.

64,274. BEDSPREAD OR SIMILAR ARTICLE. RICHARD VOIT, Philadelphia, Pa. Filed Nov. 23, 1923. Serial No. 7,863. Term of patent 14 years.



The ornamental design for a bedspread or similar article as shown.

64,275. ORNAMENTAL LAMP. VICTOR R. WILL, Sacramento, Calif. Filed Oct. 16, 1923. Serial No. 7,513. Term of patent 3½ years.



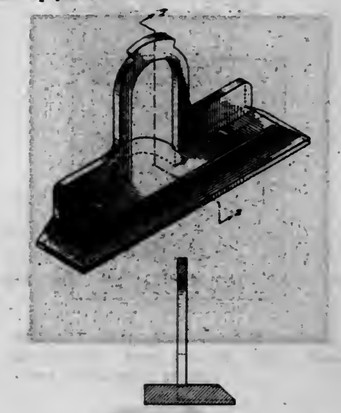
The ornamental design for an ornamental lamp as shown.

64,276. NECK-DUSTER BRUSH. PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed Dec. 1, 1923. Serial No. 7,932. Term of patent 14 years.



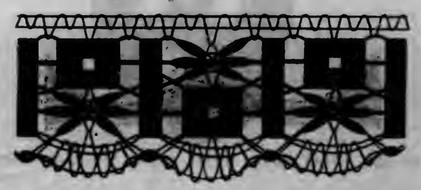
The ornamental design for a neck duster brush, substantially as shown.

64,277. DISPLAY STAND. RUSSELL M. WILLIAMS, Winsted, Conn., assignor to William L. Gilbert Clock Company, Winsted, Conn., a Corporation of Connecticut. Filed Feb. 15, 1922. Serial No. 703. Term of patent 3½ years.



The ornamental design for a display stand, as shown.

64,278. LACE. HARRY B. BARNUM, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Sept. 1, 1923. Serial No. 7,140. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,279. LACE. HARRY B. BARNUM, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed June 22, 1923. Serial No. 6,551. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,280. RING. MARTIN L. BOWDEN, Brooklyn, N. Y., assignor to J. B. Bowden & Co., New York, N. Y., a Copartnership composed of Martin L. Bowden, Martin L. Bowden, jr., and Gardiner S. Bowden. Filed Aug. 28, 1923. Serial No. 7,110. Term of patent 3½ years.



The ornamental design for a ring substantially as shown.

64,281. TOY ANIMAL. BRYAN IRVIN DAY, Fort Madison, Iowa. Filed Aug. 13, 1923. Serial No. 7,001. Term of patent 7 years.



The ornamental design for a toy animal as shown.

64,282. TEXTILE FABRIC OR SIMILAR ARTICLE. EDWIN I. GOLDING, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,452. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article as shown and described.

64,283. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 15, 1924. Serial No. 8,317. Term of patent 14 years.

The ornamental design for lace substantially as shown.

64,284. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 15, 1924. Serial No. 8,316. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,285. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 15, 1924. Serial No. 8,315. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,286. RUG. LESLIE R. PATTERSON, Kansas City, Mo. Filed Nov. 16, 1923. Serial No. 7,781. Term of patent 14 years.

The ornamental design for a rug, as shown.

64,287. LACE. HANS ALBERT PHILIPS, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 15, 1924. Serial No. 8,320. Term of patent 14 years.



The ornamental design for lace substantially as shown.

64,288. TRUNK LOCK. ELMER B. STONE, New Britain, Conn. Filed Jan. 19, 1922. Serial No. 275. Term of patent 14 years.



The ornamental design for a trunk lock shown in the accompanying drawing.

64,289. CANDY EASTER EGG. HARRIS NEWTON SUMMER, Cascade, Md. Filed Dec. 22, 1922. Serial No. 4,675. Term of patent 7 years.



The ornamental design for a candy Easter egg as shown.

64,290. CANDY EASTER EGG. HARRIS NEWTON SUMMER, Cascade, Md. Filed Dec. 22, 1922. Serial No. 4,676. Term of patent 7 years.



The ornamental design for a candy Easter egg as shown.

64,291. CANDY EASTER EGG. HARRIS NEWTON SUMMER, Cascade, Md. Filed Dec. 22, 1922. Serial No. 4,677. Term of patent 7 years.



The ornamental design for a candy Easter egg as shown.

64,292. CANDY EASTER EGG. HARRIS NEWTON SUMMER, Cascade, Md. Filed Dec. 22, 1922. Serial No. 4,678. Term of patent 7 years.



The ornamental design for a candy Easter egg as shown.

64,293. CANDY EASTER EGG. HARRIS NEWTON SUMMER, Cascade, Md. Filed Dec. 22, 1922. Serial No. 4,679. Term of patent 7 years.



The ornamental design for a candy Easter egg as shown.

PATENTS

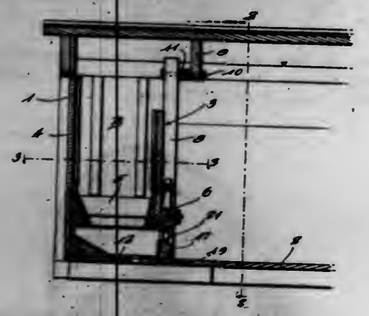
GRANTED MARCH 18, 1924.

1,486,848. TOY GUN. WILLIAM L. ALLEE, Topeka, Kans. Filed May 23, 1923. Serial No. 640,951. 1 Claim. (Cl. 12—2.)



A toy gun comprising a stock, a reduced extension projecting from one end thereof and having its upper surface grooved, a barrel supported on the extension adjacent the outer end thereof and projecting an appreciable distance beyond said extension, an extension projecting rearwardly from one end of the barrel and terminally connected with the stock, the extension of said barrel being spaced from and arranged directly above the extension on said stock, and defining therewith a guide, a plunger arranged to slide in said guide and having an inclined under surface, and a shoulder at one end of said surface, a trigger formed from a single piece of wire and designed to engage said shoulder to hold the plunger retracted, said plunger having a transverse opening, an endless elastic element passed through said opening and secured to the outer end of the extension on said stock, and adapted to forcibly move the plunger in one direction when released from said trigger.

1,486,849. ICE BUNKER. ARTHUR AUDET, Concord, N. H. Filed Feb. 8, 1923. Serial No. 617,812. 3 Claims. (Cl. 62—19.)



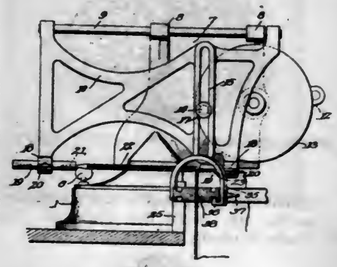
1. A refrigerator car ice bunker comprising an inner transverse wall spaced from one end wall of the car and terminating in vertically spaced relation with the car floor, a drip pan under the bunker removable by sliding it under said inner wall, a removable barrier for holding said pan in place, said barrier being interposed between the aforesaid inner wall and the floor of the car, coacting means on the barrier and the car for securing the lower portion of said barrier in place, said means being releasable by outwardly swinging the upper portion of the barrier, and releasable means for securing the upper portion of said barrier normally against such outward swinging.

1,486,850. SPORTSMAN'S LICENSE HOLDER AND PROTECTOR. HARRY R. AVERY and GIDEON RIETVELD, Knoxville, Iowa. Filed June 26, 1923. Serial No. 647,804. 5 Claims. (Cl. 40—19.)



1. In a device of the class described, the combination of lower flexible metal plate, an upper flexible metal plate having an opening therein and a sheet of flexible transparent material covering said opening, both of said plates on each side being provided with outwardly extended loops and flexible straps passing through said loops and designed to be passed around a gun stock for securing both plates to the gun stock and for forming a hinged connection between the upper and lower plates at one side.

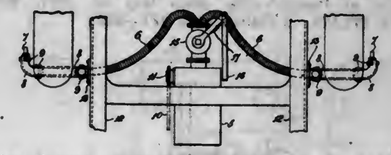
1,486,851. SAW-FILING MACHINE. WILBERT M. BALDWIN, Mason, Mich. Filed Dec. 2, 1922. Serial No. 604,551. 4 Claims. (Cl. 76—35.)



1. A saw filing machine comprising a base, guideways connected therewith, a saw holder mounted to slide in said guideways, a frame adjustably mounted on the base, a reciprocating file holder carried by the frame, said holder having a slot therein, a disc mounted to rotate in the frame and having a crank pin engaging the slot, a handle for rotating the disc, feed means for the saw holder and a cam on the disc for actuating such means.

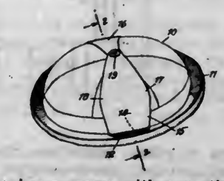
1,486,852. MEANS FOR PREVENTING SPLASHING OF MUD OR RAISING OF DUST BY VEHICLE WHEELS. EDWARD THOMAS BARLOW, Manchester, England. Filed July 6, 1921. Serial No. 482,704. 1 Claim. (Cl. 180—84.)

The combination with a vehicle frame and the vehicle wheels; of an air compresser mounted on said frame; brackets fixed to the sides of the frame and extending downward and outward to terminate outside of and in front of said wheels, tubing extending from said compresser and supported by said brackets, the outer lower ends of the brackets and the tubing being curved rearwardly and downwardly, and nozzles on the ends of the



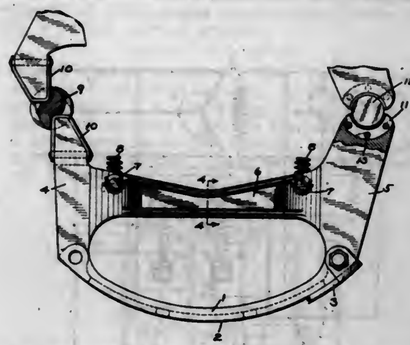
tubing directed rearwardly and downwardly to cause air passing from said nozzles to strike the ground at the points of contact of said wheels with the ground.

1,486,853. HAT. MAYER BARSKY and HARRY FARBER, New York, N. Y. Filed Jan. 5, 1923. Serial No. 610,847. 2 Claims. (Cl. 2—172.)



1. A hat having a crown with a continuous brim, the crown and the brim being separated by slots for a short distance at the sides thereof, ear flaps permanently united to the crown adjacent said slots, the ends of said flaps carrying means whereby the same may be secured together above the head or below the chin of the wearer.

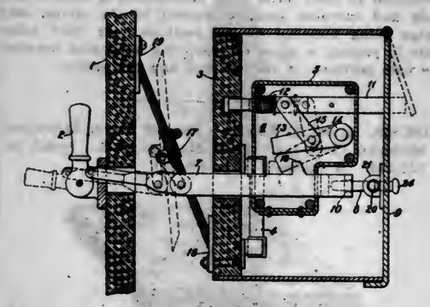
1,486,854. BRAKE-SHOE HEAD. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1923. Serial No. 616,849. 4 Claims. (Cl. 188—236.)



3. A brake shoe head comprising an arcuate section for receiving a brake shoe, end sections connected to opposite ends of the arcuate section, one end section having a separate metal bearing member for the pivot pin which is cast into the metal of the brake head.

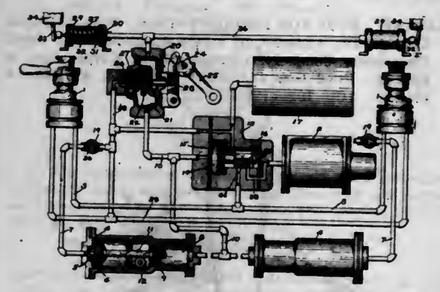
1,486,855. SAFETY-SWITCH INTERLOCK. HAROLD G. BAXTER, Baldwin, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1919. Serial No. 339,258. 8 Claims. (Cl. 200—50.)

7. In a dead-front switch board, the combination with an operating handle at the front of its pannel and a fuse box at the rear of the panel having a door, of a movable switch member, means associated with the handle for actuating the movable switch member when the fuse box



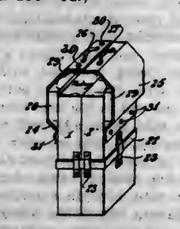
door is closed and means for locking the switch in open position operable from the rear of the panel and independently of the cover for releasing the switch.

1,486,856. SAFETY CAR-CONTROL EQUIPMENT. CARL H. BECK, Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 9, 1921. Serial No. 476,194. 5 Claims. (Cl. 303—6.)



1. The combination with a straight air brake equipment including a brake cylinder and a straight air brake valve device for controlling the supply of fluid to the brake cylinder, of an emergency brake pipe, an emergency valve device operated upon a reduction in brake pipe pressure for supplying fluid to the brake cylinder, and a valve device for normally supplying fluid under pressure to the emergency valve device and manually operative to vent fluid from the brake pipe.

1,486,857. TRAVELING CASE. JOHN R. BEMIS, Springfield, Mass. Filed Aug. 12, 1922. Serial No. 581,385. 6 Claims. (Cl. 190—51.)



2. A traveling case for the purpose described comprising two box-like sections hinged together at one of their ends, one section having a compartment at its hinged end

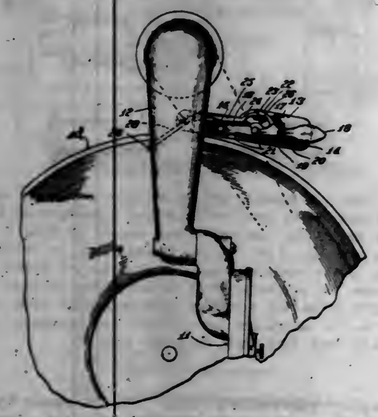
portion designed for receiving rubbers, a cover or lid for closing the compartment, each section having strips connected to their outer ends and extending beyond said ends and carrying handles secured to the strips, said strips being attached to the sections near their outer ends to provide a space for receiving a package between the side portions of the sections and the strips.

1,486,858. CARPET LINER. BERGET HENRI BLOCKSOM, Michigan City, Ind. Filed Mar. 2, 1923. Serial No. 622,274. 6 Claims. (Cl. 28—4.)



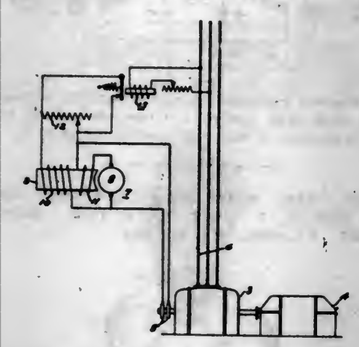
1. In a pad of the kind described, the combination of a body portion comprising a sheet of fibrous resilient material, and a sheet of protective material on one of its surfaces comprising interwoven threads, said threads at intervals extending from said protective layer through the body portion of the pad and forming loops at the opposite surface of said pad.

1,486,859. STOP FOR PHONOGRAPHS. BURR B. BLOOD, Chicago, Ill., assignor, by mesne assignments, to Jewel Phonoparts Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1920. Serial No. 418,446. 8 Claims. (Cl. 192—122.)



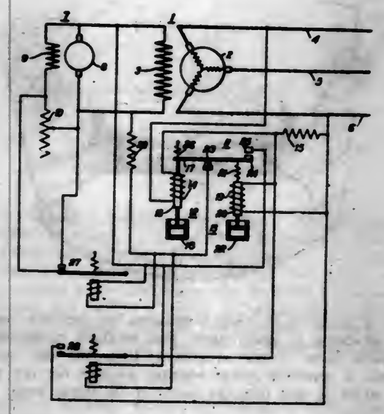
1. A stop of the class described, comprising a base plate, a brake lever pivoted intermediate of its ends on the base plate and provided with a turn-table engaging portion while the other end constitutes a hand lever, the hand lever portion being provided with an arcuate extension concentric with the pivotal point of the lever, a spring secured at one end to the base plate while the other end is secured to said lever adjacent the turn-table engaging portion thereof, a trip member pivotally secured on the base plate adjacent to the turn-table engaging end of said lever, said trip member being adapted to form holding relation with said arcuate extension, and tone-arm engaging means having adjustable relation with said trip member and adapted to cause oscillation of the latter away from said arcuate extension when said means is engaged by the tone-arm.

1,486,860. VOLTAGE-REGULATING SYSTEM. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 26, 1917. Serial No. 171,171. 2 Claims. (Cl. 171—229.)



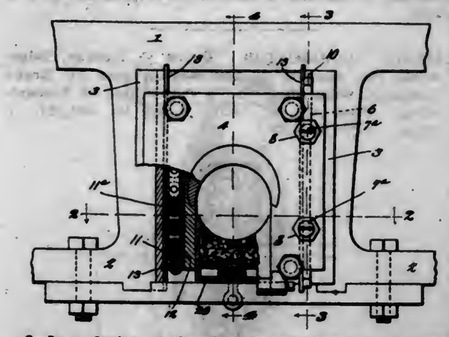
1. In a system of voltage regulation, the combination with an alternating-current dynamo-electric machine and a Tirrill-type regulator, of a differential-compound exciter therefor, and means whereby said regulator periodically adjusts the excitation of the shunt field winding of said exciter from a major value to a minor value, the series excitation of said exciter being intermediate said two values of the excitation of said shunt winding.

1,486,861. VOLTAGE REGULATOR. CLARENCE A. BODDIE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1919. Serial No. 319,905. 13 Claims. (Cl. 171—229.)



1. In a voltage-regulator system, a main control element comprising a main magnet, contact members operated by the main magnet, a resistor included in circuit with the main magnet and having the value thereof varied in accordance with the operation of said contact members, and an auxiliary magnet controlled by the contact members and adapted to assist the main magnet.

1,486,862. ENGINE DRIVING BOX. ANDREW S. BRANDOCK, Pueblo, Colo. Filed Dec. 21, 1923. Serial No. 682,018. 5 Claims. (Cl. 105—81.)



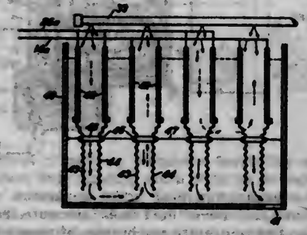
2. In a device of the class described a box; a transversely tapered wedge plate, means for mounting said plate between the box and an engine frame for edgewise transverse movement, a pressure plate engaging the outer edge of said wedge plate, and spring means bearing on said pressure plate for advancing the wedge plate.

1,486,863. CONTINUOUSLY-LOADED SIGNALING CONDUCTOR. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,724. 9 Claims. (Cl. 178—45.)



1. A loaded signaling conductor comprising a central wire, said wire being surrounded by a conducting layer composed of strips shaped to fit snugly together and form a smooth exterior surface.

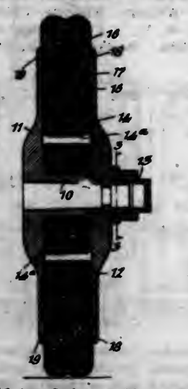
1,486,864. CONTROL APPARATUS. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed June 9, 1919, Serial No. 302,793. Divided and this application filed Sept. 28, 1921. Serial No. 503,912. 6 Claims. (Cl. 219—57.)



1. In a liquid rheostat, the combination with a plurality of electrodes, of a plurality of non-conducting curtains hung from the bottoms of said electrodes, and means for constricting the space between said curtains.

1,486,865. CUSHIONED VEHICLE WHEEL. WILLIAM MORE DECKER, Buffalo, N. Y. Filed Dec. 20, 1920. Serial No. 432,001. 3 Claims. (Cl. 152—29.)

1. A cushioned wheel, comprising a hub carrying spaced disks, a rubber tread-ring held between said disks, an inner core member surrounding said hub, and an outer core member of rubber interposed between said inner



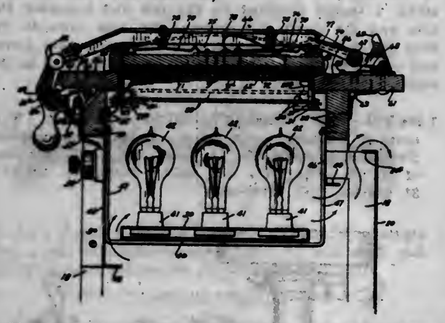
core member and said tread-ring, said outer core-member being constructed of softer rubber than said inner core member.

1,486,866. SOUND PRODUCER. LEE DE FOREST, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 20, 1918. Serial No. 250,718. 7 Claims. (Cl. 179—118.)



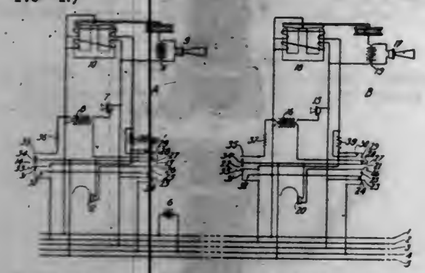
1. The combination with an elastic air filled container, of electric wires, and means for expanding and contracting said container in accordance with the current flowing through said wires.

1,486,867. PHOTOPRINTING MACHINE. GLEN M. DYE and JOHN M. WELCH, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,632. 16 Claims. (Cl. 95—73.)



11. In a photo printing machine a lamp house, a printing head frame with a transparent plate at the top of said lamp house, a modifying screen in the upper portion of said lamp house, below said transparent plate, vertical corner guides engaging with the corners of said modifying screen, elevator arms associated with said corner guides and supporting said modifying screen, and means for simultaneously moving the several elevator arms to adjust said modifying screen toward and from the negative.

1,486,868. INTERCOMMUNICATING TELEPHONE SYSTEM. HENRY C. EGERTON, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 27, 1920. Serial No. 384,537. 9 Claims. (Cl. 179—1.)



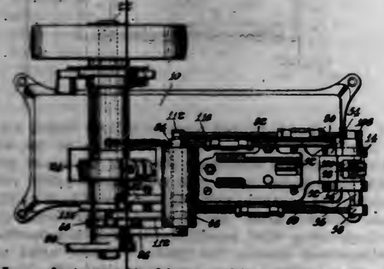
1. In a telephone system having a plurality of stations, switching means provided at each station to simultaneously connect said station in intercommunicative relation with every other station, and additional switching means at each such station to exclude from intercommunicative relation all of such stations where the said additional switching means is not operated.

1,486,869. ROTARY HAMMER. JOHN ELIAS, Plum Coulee, Manitoba, Canada. Filed Jan. 7, 1922. Serial No. 527,667. 1 Claim. (Cl. 78—34.)



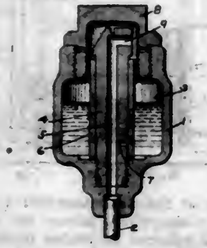
In combination, an elevated open ended frame, a driving shaft carried by the frame, a pair of opposing discs secured to the shaft, an eccentrically positioned pivot pin connecting the discs, a hammer, an arm carrying the hammer and pivotally mounted on the pin, a stop pin engaging one side of the arm, an anchor pin extending between the discs, a strap extending radially between the anchor pin and the shaft, a rod pivotally attached to the hammer arm and passing slidably through the strap, a spring mounted on the rod and engaging the arm and the strap and pressing the arm towards the stop pin and an anvil mounted on one end of the frame and adapted normally to be struck by the hammer in the rotation of the shaft.

1,486,870. FASTENER-ATTACHING MACHINE. WILLIAM E. ELLIOTT, Lynn, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Nov. 11, 1920. Serial No. 423,312. 31 Claims. (Cl. 218—10.)



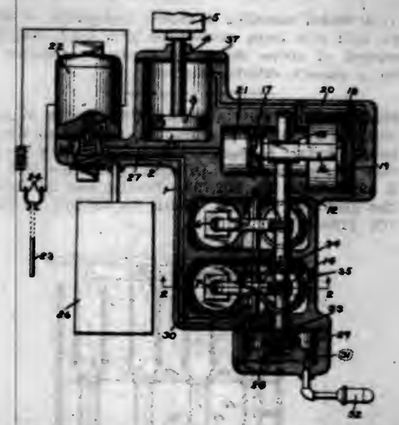
1. In a fastener-attaching machine, attaching mechanism, means for delivering to the attaching mechanism fasteners and their securing staples, and means acting in the initial operation of the machine for delivering to the attaching mechanism a device for cooperation with a staple.

1,486,871. LUBRICATOR. CLYDE C. FARMER, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 27, 1921. Serial No. 464,967. 1 Claim. (Cl. 184—69.)



In a lubricator for air compressors, the combination with an oil cup casing and a removable cap having a pocket, of a plug secured within the casing and extending into said pocket and having a central passage adapted to communicate with the compressor, and a lateral passage in said plug which connects the central passage with the pocket in the removable cap and through which fluid and oil from the compressor is diverted to one side of the cap to permit filling of the oil cup casing at the other side.

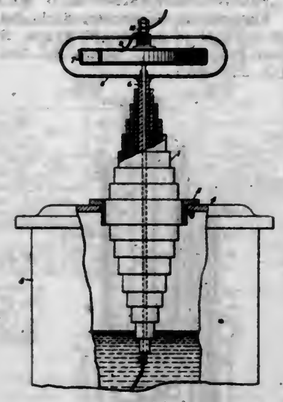
1,486,872. LOAD-BRAKE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1923. Serial No. 620,796. 9 Claims. (Cl. 303—22.)



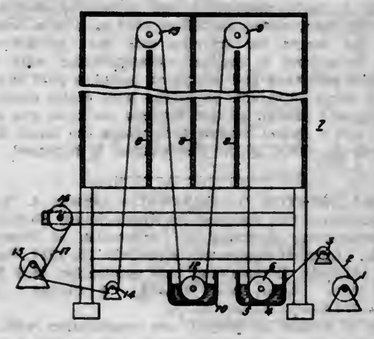
1. In an empty and load brake apparatus, the combination with a source of fluid under pressure from which fluid is supplied to operate the brakes, of means for maintaining different maximum degrees of pressure in said source according to the empty or loaded condition of the car.

1,486,873. ELECTRICAL PROTECTIVE DEVICE. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 9, 1918. Serial No. 227,421. 5 Claims. (Cl. 175—90.)

1. The combination with a conductor and an insulating bushing therefor, of a reactor connected in circuit with the conductor adjacent to one end of the bushing, and an electric stress distributing member connected to the conductor and having a relatively wide expanse of uninterrupted conducting surface surrounding and extending transversely to the conductor between the bushing and the reactor.



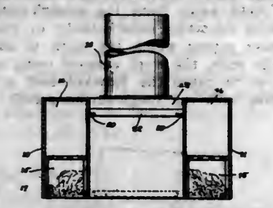
1,486,874. ARMATURE-SLOT INSULATION AND METHOD OF MAKING THE SAME. LOUIS T. FREDERICK, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1919. Serial No. 270,142. 4 Claims. (Cl. 154—40.)



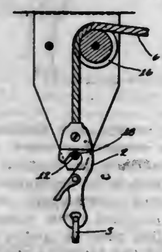
1. A method of making composite insulating material that comprises impregnating cloth with an adhesive, subjecting the treated material to heat to harden the adhesive, subjecting the cloth to further treatment in a bath of another adhesive of greater viscosity than the first, partially drying the second adhesive on the cloth and applying paper to one side of the treated cloth.

1,486,875. BARBECUE PIT. EDWARD A. FREEMAN, Jackson, Tenn. Filed Aug. 24, 1923. Serial No. 659,172. 2 Claims. (Cl. 126—29.)

1. In a barbecue pit, furnace sections arranged longitudinally and in spaced relation to each other, a head with which the said furnace sections communicate, a stack rising from the head, a horizontal grate in each furnace section, and a grid for supporting meat in the space between the furnace sections.

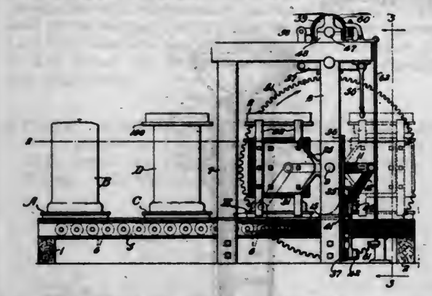


1,486,876. HANGING APPARATUS. JOSEPH E. FUGMAN, Cleveland, Ohio. Filed Dec. 7, 1922. Serial No. 605,479. 5 Claims. (Cl. 254—135.)



1. A hanging apparatus comprising a hanger having a cross bolt, a pulley supported by the hanger, a rope running over the pulley, and a hook connected to the rope and adapted to be attached to an article to be hung and to engage the bolt, and provided with means actuated by movement of the hook across the bolt to automatically disengage the same from the bolt.

1,486,877. CLAY-PIPE-HANDLING DEVICE. GEORGE W. GANG, Malvern, Ohio. Filed July 25, 1921. Serial No. 487,496. 6 Claims. (Cl. 25—40.)



1. In a machine for turning pipe sections, a rotatable shaft, a pair of cradle members keyed to said shaft and slidable thereon and means for rotating said shaft.

1,486,878. EVENING AND GRADING MACHINE. JOSEPH GOULDBOURN, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 6, 1921. Serial No. 467,454. 2 Claims. (Cl. 69—13.)

1. A machine for operating upon pieces of work, some of which are thick, in accordance with the thickness of the thinnest spot in a selected locality thereof, having,

in combination, a smooth-surfaced roll held from bodily movement, a rough-surfaced roll parallel thereto and mounted to yield away from the smooth-surfaced roll, said rolls being normally substantially in contact, and a work support across which the work is advanced to the bite of the rolls, the work support being so inclined and located as to cause the forward end of the work to contact first with the rough-surfaced roll.



2. Mechanism for seizing and feeding comparatively thick leather blanks comprising upper and lower rolls normally held substantially in contact but capable of relative yielding movement of separation, the periphery of the upper roll being substantially smooth and that of the lower one provided with comparatively wide, longitudinally extending grooves, and a table for facilitating presentation of the blank to the rolls, said table being so located and inclined that the leading lower corner of the blank is received in a groove of the lower roll and the leading upper corner lifted into contact with the upper roll, the plane of the leading edge of the blank at the time of contact being substantially radial to the upper roll.

1,486,879. FOCUSING FLASH LIGHT. JOHN GRAVES, Madison, Wis., assignor to French Battery & Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed Apr. 24, 1922. Serial No. 556,178. 8 Claims. (Cl. 240—8.5.)



3. In a device of the class described, a case, a battery inside the case, means for reciprocating the battery in one direction, spring mechanism moving the battery in the other direction, an electric lamp in the case, means conveying current from the battery thru the lamp and back to the battery, under all conditions of movement of the battery, and a lamp focusing reflector selectively reciprocable by reciprocating the battery.

1,486,880. LIQUID DISPENSING AND MEASURING DEVICE. FRANCIS H. GRIFFITHS, Springfield, Mass., assignor of one-half to J. Edward Evans, New York, N. Y. Filed Feb. 7, 1922. Serial No. 534,730. 12 Claims. (Cl. 221—95.)



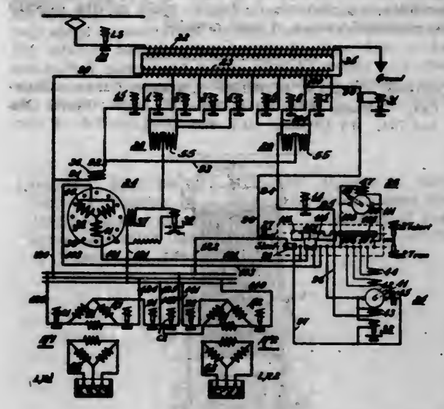
1. In a liquid dispensing and measuring device, a measuring tank, means for filling said tank, and means for draining said tank to different levels comprising a conduit communicating with said tank and having an outlet, a part of said conduit being adjustable as to the level of its outlet, a valve in said conduit located between the tank and said outlet, and a second conduit thru which the liquid flowing from the outlet in the first conduit is dispensed.

2. In a liquid dispensing and measuring device, a measuring tank, means for filling said tank to a certain level, and means for draining said tank to different levels comprising a conduit communicating with the bottom of said tank and having an outlet, a part of said conduit being adjustable as to the level of its outlet, a valve in said conduit located between the tank and said outlet, and a second conduit thru which the liquid flowing from the outlet of the first conduit is dispensed.

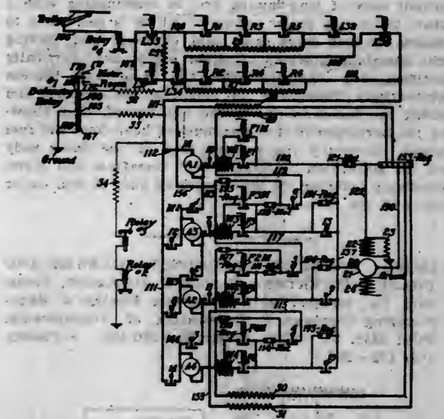
1,486,881. SYSTEM OF CONTROL. ARTHUR J. HALL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed July 19, 1917, Serial No. 181,536. Divided and this application filed May 12, 1919. Serial No. 296,486. 6 Claims. (Cl. 172—274.)

1. In a system of control, the combination with an alternating-current supply circuit and an electrical load, of a phase-converter interposed between said supply circuit and said load, a starting motor for said phase-converter, a plural-position switching device for effecting starting connections of the motor in one position and different running connections of the motor in another position, and means, dependent upon inoperativeness of the phase-converter circuits, for actuating said switching device to the starting position.

5. A system of control comprising a single-phase transformer winding, a polyphase driving induction motor, a phase-converter having a primary and a secondary winding for changing single-phase into polyphase energy, a starting motor for said phase-converter, a main switching device having positions corresponding to "starting" and "running" connections of the starting motor, manual means for effecting the connections of said starting motor through said switching device to said transformer winding, and a relay governed by the electrical condition of said starting motor for effecting the connection of said primary phase-converter winding across a portion of said transformer winding.



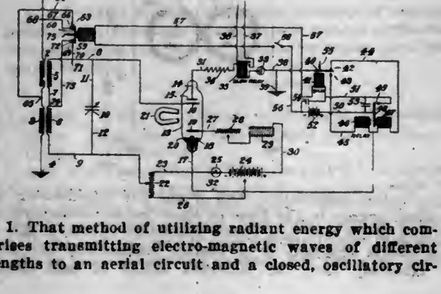
1,486,882. SYSTEM OF CONTROL. ARTHUR JOHN HALL, Winchcombe, England, and JOHN A. CLARKE, Jr., Edgewood Park, and PAUL L. MARDIS, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920. Serial No. 387,558. 35 Claims. (Cl. 172—179.)



1. In a system of control, the combination with a dynamo-electric machine adapted for both motoring and regeneration, and provided with a plural-part field winding, of means for exciting said field winding during regeneration, means for excluding one part of said field winding from circuit at times during motoring, and a switching device having a single position adapted for governing such exclusion and for controlling said exciting means.

28. In a system of control, the combination with a dynamo-electric machine having a plural-section field winding, of a line switch for said machine, a "full-field" switch for connecting the entire field winding in circuit, a "short-field" switch for connecting a portion of the field winding in circuit, means for initially preventing the closure of said line switch while said "full-field" switch is open, means for subsequently closing the "short-field" switch, and means dependent upon such closure for maintaining the closure of the line switch.

1,486,883. METHOD OF HYDRATING CEMENT AND THE LIKE. ERLE PALMER HALLIBURTON, Duncan, Okla. Filed June 20, 1922. Serial No. 569,738. 12 Claims. (Cl. 83—73.)



1. The method of producing a fluent mixture of liquid and cement which comprises mixing the cement and such liquid in substantially a vacuum created only by the action of a high velocity stream or current of such liquid.

1,486,884. STEAM GENERATOR. WILLIAM HAMER, Elton, Bury, England. Filed May 19, 1919. Serial No. 298,055. 9 Claims. (Cl. 110—97.)

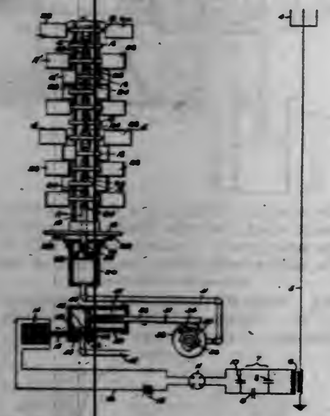
1. In steam generators having external flues in a setting, means for maintaining an air-tight joint between the boiler shell and the front of the setting to prevent leakage of cold air therebetween into the side flues, comprising movable joint-members mounted between the front wall of the setting and the shell and means for pressing said joint-members against the shell so that they yield to and follow the movements thereof under expansion and contraction.

1,486,885. RADIODYNAMIC DUPLEX SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed July 30, 1915, Serial No. 42,848. Renewed July 24, 1923. 27 Claims. (Cl. 250—2.)

1. That method of utilizing radiant energy which comprises transmitting electro-magnetic waves of different lengths to an aerial circuit and a closed, oscillatory cir-

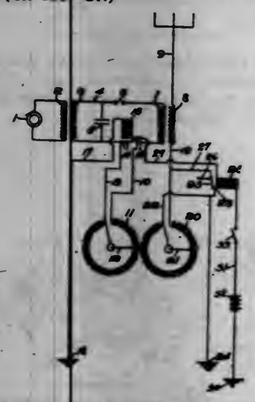
cuit, controlling an alternating current by impulses impressed upon said aerial and closed, oscillatory circuits, causing changes in the electrical constants of said aerial and closed, oscillatory circuits by said alternating current, and operating a part as a result of said changes in the electrical constants of said aerial and closed, oscillatory circuits.

1,486,886. SYSTEM FOR TELEDYNAMICALLY CONTROLLING MOVING BODIES. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed June 3, 1914, Serial No. 842,764. Renewed July 24, 1923. 8 Claims. (Cl. 250—2.)



1. A system for the control of moving bodies by radiant energy, comprising in combination a movable body provided with a visible signal carried thereby and movable with respect thereto about a substantially horizontal axis to vary the effective visibility of said signal, steering means carried by said body, and means responsive to radiant energy to control said steering means and to move said signal about said axis.

1,486,887. ELECTRORADIANT SIREN. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed July 13, 1914, Serial No. 850,621. Renewed July 24, 1923. 2 Claims. (Cl. 250—17.)



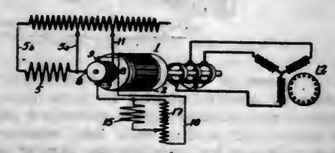
2. The combination with means for transmitting radiant energy in the form of siren waves, comprising an open aerial circuit, a closed oscillatory circuit, a pair of elements arranged to be rotated continuously to simultaneously vary the electrical values of said circuits respectively to maintain said circuits in resonance, and means for simultaneously short circuiting said elements to render said elements ineffective while moving to vary the electrical values of said circuits.

1,486,888. STEAM BOILER. CHARLES GILBERT HAWLEY, Chicago, Ill. Filed June 6, 1923. Serial No. 643,731. 10 Claims. (Cl. 122—235.)



1. A casing or setting containing a tall combustion chamber admitting of the substantial maturity of an upright body of long-flaming fire, in combination with a steam boiler, the major extent of which is positioned to receive the hot gases from said chamber, and, having heat absorbing portions of minor extent that vertically partition said chamber, divide the flame body therein substantially throughout the height of the chamber and permit the flames to rise to the top thereof, thus allowing the development of a maximum of heat from the fuel burned, increasing the radiant area of the flame body and the absorption of radiant heat therefrom and correspondingly reducing the heat absorbing duty of said major extent of the boiler.

1,486,889. COMBINED FREQUENCY CHANGER AND PHASE CONVERTER. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 31, 1919. Serial No. 286,433. 9 Claims. (Cl. 172—238.)

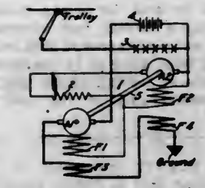


1. In combination with a source of single-phase alternating current, a dynamo-electric machine, commutator means for establishing a uniform field rotating at a constant speed therein, means whereby polyphase energy differing in frequency from that of said source may be derived from said machine, and means for maintaining said rotating field uniform irrespective of the difference between said frequencies.

3. In combination with a single-phase source of alternating current, a dynamo-electric machine having a commutator member energized therefrom, means associated

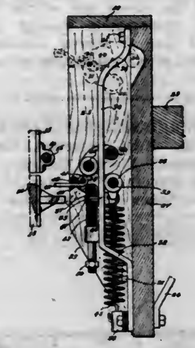
with said commutator member for establishing a uniform field rotating at a constant speed relative thereto, means for varying the speed of said machine while the rotating-field speed is maintained constant, means for maintaining the rotating field uniform despite the operation of said last-named means, and means whereby energy of a phase number and frequency differing from the phase number and frequency of the energy supplied to said machine may be derived therefrom.

1,486,890. ELECTRICAL SYSTEM. RUDOLF E. HELLMUND, Pittsburgh, Pa. assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 18, 1919. Serial No. 305,106. 9 Claims. (Cl. 171—225.)



1. The combination with a motor armature winding and a generator armature winding driven thereby, of a plurality of field windings for exciting said armature windings, and counter-voltage-producing means connected to receive certain combinations of the currents traversing said field windings.

1,486,891. AUTOMATIC CONTROL FOR ELEVATOR GATES. DAVID M. HENDRICKS, Newton, Iowa. Filed Dec. 6, 1921. Serial No. 520,440. 2 Claims. (Cl. 187—60.)



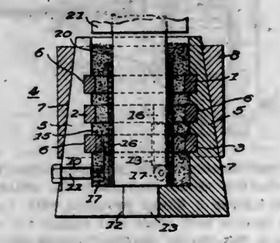
2. An elevator gate actuating device comprising a support, a track on said support having one end provided with a curved portion, a carriage on said track, springs for yieldingly holding said carriage from the curved end of said track, a trip device carried by said carriage adapted to yieldingly move in one direction, and means for limiting the movement of said trip device in the opposite direction, said trip device being designed to be operated by a coacting pin and to move said carriage to the curved portion of said track to release said coacting pin, a bumper for absorbing the shock of said carriage when it is returned to its normal position of movement.

1,486,892. TRANSMITTING DEVICE. RAYMOND R. HERRMANN, St. Paul, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 24, 1922. Serial No. 531,322. 3 Claims. (Cl. 179—121.)



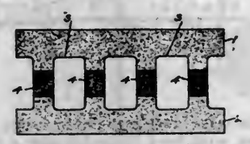
1. In a transmitting device, a coil, a core therefor comprising a section of comminuted magnetic material, a pair of diaphragms having their central portions in contact with the respective ends of said core, and a magnetic member joining the peripheries of said diaphragms.

1,486,893. COLLECTOR RING. WALTER H. HIMES, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1921. Serial No. 468,704. 8 Claims. (Cl. 171—322.)



1. A current-collecting device comprising a plurality of collector rings disposed in spaced relation with respect to each other, a plurality of conductors attached to said rings and an insulating material so molded around said conductors and between said rings as to maintain them in position as a unitary structure.

1,486,894. BUILDING MATERIAL. OLIVER P. HIPPLE, Wilkins Township, Allegheny County, Pa. Filed Oct. 6, 1920. Serial No. 415,132. 3 Claims. (Cl. 72—43.)

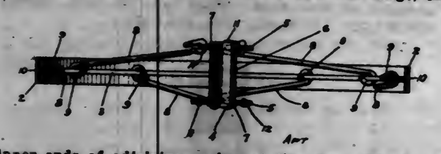


1. A building block comprising a plurality of concrete portions and a mixture of cinders and cement connecting and secured to the concrete portions to render the block heat insulating.

1,486,895. WHEEL. ARTHUR O. HUBBARD, Minneapolis, Minn. Filed Nov. 4, 1921. Serial No. 512,819. 3 Claims. (Cl. 301—56.)

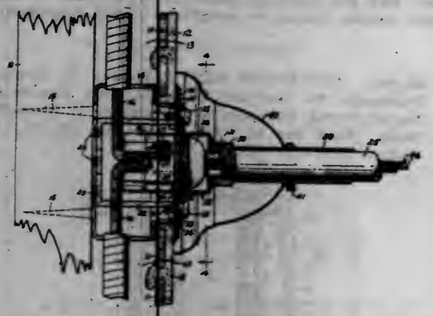
3. A wheel comprising a T-bar rim folded to a circular form, the annular flange of said rim having a series of holes therein, a hub having annular flanges and holes therein, wire spokes having bent ends inserted into the holes in said hub flanges, and clinched therein, the outer ends of said spokes being inserted into the holes in said

rim flange and drawn therein to tension said spokes, the ends of the spokes in said hub flanges being oppositely bent from the ends of the spokes in said rim flange, the



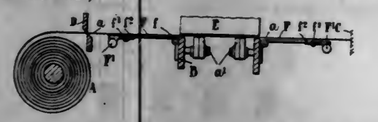
inner ends of adjoining spokes at the same end of said hub being in crossed relation, one group pulling on said hub in one direction and the other group in substantially an opposite direction.

1,486,896. MEANS FOR ATTACHING FIXTURES TO OUTLETS. HARVEY HUBBELL, Bridgeport, Conn. Filed Mar. 1, 1921. Serial No. 448,784. 4 Claims. (Cl. 240—85.)



1. The combination with a fixed supporting device having projecting studs provided with enlarged heads, of a fixture having a flange provided with keyhole slots adapted to receive said studs and engage the same under said heads, a flat spring carried by said flange adapted to engage one of said studs for locking said studs in the narrower portions of said slots, and a stop lug for limiting the movement of said spring.

1,486,897. MEANS FOR BANDING PACKING CASES. GUSTAV HUGUENIN, Cham, Switzerland, assignor to Nestle and Anglo-Swiss Condensed Milk Company, Cham, Switzerland, a Corporation of Switzerland. Filed Oct. 19, 1922. Serial No. 595,690. 3 Claims. (Cl. 100—31.)



1. Apparatus for applying binder hoops or bands to packing cases, comprising in combination a table adapted to hold the case in predetermined position, a groove in said table for receiving the binding strip and positioning the latter beneath the case, a mounting for a roll of said strip, an abutting stop for said strip as same is fed from said roll, and a cutting device for securing the fed strip from the roll; a folding frame mounted on the table and consisting of hinged arms adapted by manipulation to bend portions of the cut strip against the sides of the case and other portions of the strip on the top of the said case with the later portions lapping the one over the other; a welding means consisting of separate electrodes adapted to conduct the current directly to the flat lapped extremities of the binding strip, and clamping devices for holding the said lapped extremities in position while being subjected to the welding operation.

1,486,898. AUGER BIT OR DRILL. HANS HUNDRIESER, Hahnser, near Berlin, Germany. Filed Aug. 26, 1920. Serial No. 406,143. 2 Claims. (Cl. 255—61.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



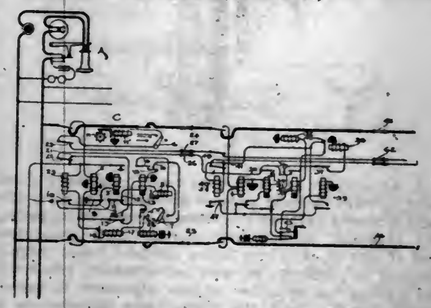
1. An auger-bit or drill for boring rocks, stones and the like, comprising a drilling tool, recesses in the cutting edge thereof and resistances in said recesses, formed by slope breaking faces adapted to operate in the direction of the advance or feeding of the tool like a wedge from the longitudinal axis of the tool towards the outside.

1,486,899. LUG STRAP. FREDERICK A. JACOBS, Killingly, Conn. Filed May 9, 1923. Serial No. 637,854. 2 Claims. (Cl. 135—153.)



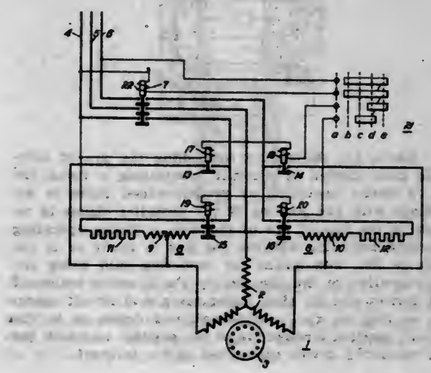
1. As a new article of manufacture, a device of the class described comprising a substantially U-shaped fabric lug strap, a substantially U-shaped leather lining within said lug strap, said lining provided on its inner face with beveled ends, a fabric plug within said lining provided with a concaved picker-stick engaging face in parallelism to the contour of the closed end of the lug strap, and a rivet extending transversely through the lug strap, leather lining and plug in spaced relation to the concaved face of the plug, substantially as shown and described.

1,486,900. MEASURED-SERVICE PARTY-LINE TELEPHONE SYSTEM. EMIL JACOBSEN, New York, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 13, 1919. Serial No. 282,444. 18 Claims. (Cl. 179—9.)



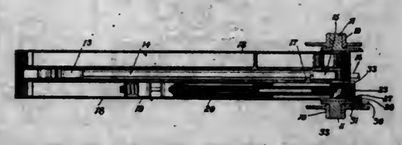
1. In a telephone system, a line, a plurality of stations on said line, a calling device for each station, a meter for each station, a meter operating conductor common to said stations, means for automatically operating the calling device of a calling station to connect the meter of that station to the meter operating conductor when that station initiates a call, a switch responsive to the automatic operation of said calling device and constituting the means by which the proper meter is selected, and other switches then responsive to the manual operation of the calling device at the calling station to extend said line to the called line.

1,486,901. MOTOR-CONTROL SYSTEM. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1920. Serial No. 365,466. 12 Claims. (Cl. 172—179.)



2. In a motor-control system, the combination with an induction motor, a supply circuit and an auto-transformer, of means for controlling said auto-transformer circuit, and a resistor connected in series with said supply circuit and said auto-transformer, upon its primary side.

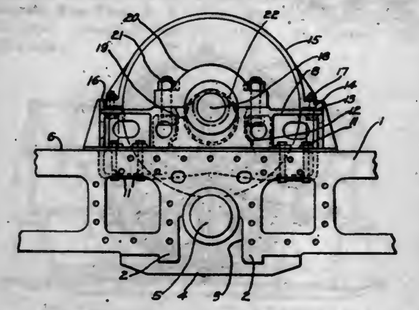
1,486,902. RECUPERATOR MECHANISM FOR GUNS. BRYAN P. JOYCE, Davenport, Iowa. Filed Oct. 9, 1922. Serial No. 593,363. 7 Claims. (Cl. 89—43.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



6. A recuperator, including a cylinder, a floating piston within the cylinder, means within the cylinder for controlling the flow of fluid to and from the piston and mechanism actuated by the elevation of the cylinder for operating the controlling means.

1,486,903. MOTOR MOUNTING FOR JACK-SHAFT GEAR DRIVE. HERBERT G. JUNGK and ROBERT SIEGFRIED, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,112. 6 Claims. (Cl. 105—120.)

1. The combination with a locomotive drive mechanism, of a pair of side frames and a motor support disposed transversely thereof and secured thereto, said support comprising a substantially rectangular hollow frame provided with projecting side flanges to locate a motor housing.

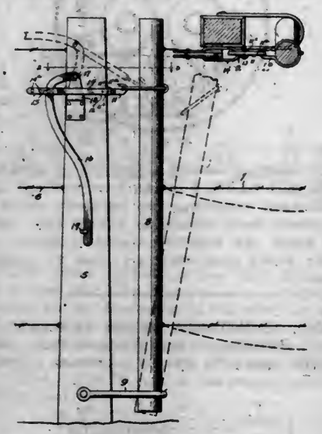


1,486,904. PROTECTIVE CAP FOR FRUIT CONTAINERS. PETER J. KEYMEL, Berryville, Va., assignor of one-half to H. C. Warden, Berryville, Va. Filed Jan. 2, 1923. Serial No. 610,237. 5 Claims. (Cl. 217—124.)



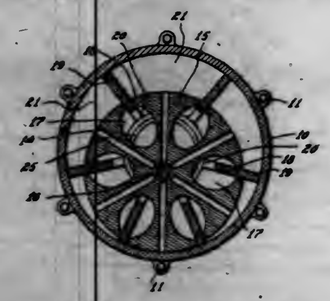
1. As a new article of manufacture, a protective cap for containers of fruit or the like having a cushioning body and a peripheral flange adapted to rest upon the edge of the container and forming a seat for and coextensive with the cover thereof.

1,486,905. BARBED-WIRE-GATE FASTENER. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr. Filed Mar. 20, 1923. Serial No. 626,307. 3 Claims. (Cl. 292—247.)



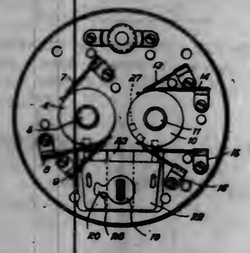
2. A device of the character described comprising a post carried bracket, a lever pivoted thereto at its end, a yoke, means for connecting one end of said yoke to said lever at a plurality of points in the length of the yoke, a hook, means for adjusting the hook longitudinally with respect to the yoke, a draw pole and a loop carried by the draw pole with which the said hook is adapted to engage.

1,486,906. ENGINE. JOSEPH H. KOLAR, Arcadia, Calif. Filed July 5, 1921. Serial No. 482,466. 2 Claims. (Cl. 121—88.)



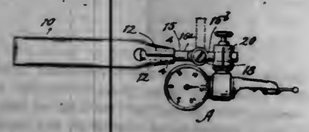
1. A rotary engine embodying a rotatably mounted casing, a rotor mounted to revolve eccentrically within the casing, a concentrically arranged sleeve extending within each end of the casing, a plurality of radially arranged abutments contacting with the inner periphery of the casing, segmental arms carried by the abutments and bearing upon said sleeves and substantially elliptical pockets formed within the rotor and receiving said abutments to permit of relative sliding and rocking movement, inlet and exhaust ports and passages extending through the rotor and communicating with the interior of the casing, said passages alternately registering with the inlet and exhaust ports.

1,486,907. IGNITION AND LIGHTING SWITCH. CHARLES W. LOVELL, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 528,986. 12 Claims. (Cl. 200—44.)



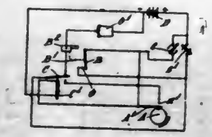
1. The combination with a plurality of movable switch members, each having a plurality of positions, of a locking mechanism comprising two relatively movable engaging members, said mechanism having two positions in one of which the respective switch members are automatically locked upon their actuation to predetermined positions.

1,486,908. ADJUSTABLE SHANK FOR TEST INDICATORS. HENRY A. LOWE, Cleveland, Ohio. Filed Mar. 31, 1919. Serial No. 286,401. 3 Claims. (Cl. 248—3.)



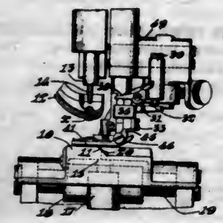
1. In a device for connecting a test indicator with the tool post of a machine, the combination of a shank having at one end a pair of spring clamping jaws between which is a longitudinal cylindrical recess, a shank extension comprising two arms which are of cylindrical form and are of like diameter and are pivoted together, one of said two arms being fitted friction tight in the cylindrical recess between said jaws, a nut which is rotatably fitted upon the other arm and is adapted to be connected with the test indicator, and means to prevent the rotation of said nut upon said arm.

1,486,909. MEANS FOR CONTROLLING THE FIRE OF AUTOMATIC GUNS CARRIED BY AIRCRAFT. OWEN DAVID LUCAS, London, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Sept. 29, 1922. Serial No. 591,210. 16 Claims. (Cl. 89—28.)



1. Means for electrically controlling the fire of automatic guns carried by aircraft, comprising a firing circuit, a device operating at predetermined times in accordance with the position of the propeller blades in relation to the line of fire of the gun, a device operating in accordance with whether the gun is ready or is unready to fire, and means for rendering said firing circuit operative to fire the gun by the conjoint action of said devices and for then maintaining said circuit operative so long as the second-mentioned device is in the "ready" position irrespective of the position to which the first-mentioned device has moved in the interval.

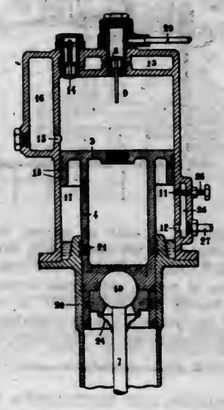
1,486,910. EYELETING MACHINE. JAMES ERNEST MCINTIRE, Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 5, 1920. Serial No. 371,307. 35 Claims. (Cl. 218—14.1.)



1. An eyeleting machine comprising work-supporting means, a work-feeding and eyelet-clenching tool, and a plurality of relatively movable presser feet arranged to maintain the work on said tool during the feeding period.

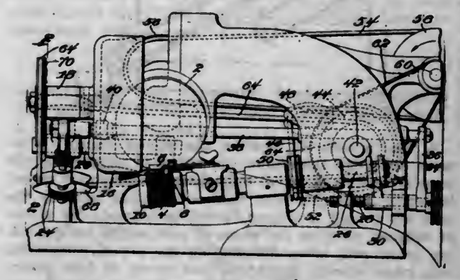
1,486,911. PNEUMATIC SUSPENSION FOR VEHICLES. GEORGE LOUIS RENÉ JEAN MESSIER, Bordeaux, France. Filed Apr. 3, 1920. Serial No. 371,104. 5 Claims. (Cl. 267—65.)

1. A resilient pneumatic shock-absorbing mechanism comprising in combination: a cylinder,—a piston movable in the cylinder, the said cylinder and piston being respectively connected to the bodies to be resiliently connected, an auxiliary inlet chamber,—a valve for the admission of compressed air into the said auxiliary chamber, the said valve being held upon its seat in its closing position by the pressure of the air which is to be admitted into this auxiliary chamber,—means for controlling, in concordance with the position of the piston, the opening or closing of the said valve,—and a non-



return valve for putting the auxiliary chamber in communication with the cylinder and to open into the latter for allowing the compressed air admitted into the said auxiliary chamber to enter into the cylinder and for preventing the reflux of the air.

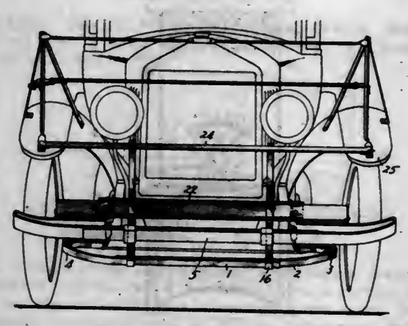
1,486,912. SKIVING MACHINE. LLOYD G. MILLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 27, 1920. Serial No. 361,765. 6 Claims. (Cl. 69—9.5.)



1. A skiving machine having, in combination, a skiving knife, a presser foot, a feed roll having a portion of its periphery co-operating with the presser foot in presenting the stock to the edge of the knife, and an auxiliary roll co-operating with the periphery of the feed roll and having its end dished to receive the skiving knife.

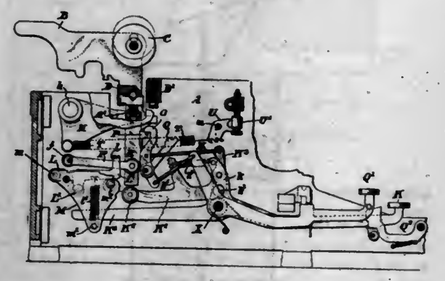
6. A skiving machine having, in combination, a skiving knife, a presser foot, a feed roll having a portion of its periphery cooperating with the presser foot in presenting the stock to the edge of the knife and having a reduced end portion and an auxiliary roll co-operating with the feed roll and having its end dished to receive the skiving knife.

1,486,913. COMBINED TRIP BUMPER AND COLLISION SCREEN FOR AUTOMOBILES. WALTER J. MOORE, New York, N. Y. Filed Feb. 6, 1922. Serial No. 534,500. Renewed Sept. 11, 1923. 24 Claims. (Cl. 293—56.)



4. The combination with an automobile of a collision screen disposed across an end of the automobile in front of the radiator and the lamps, and a trip bumper supported across this end at a level to contact with the limb of a person struck by the bumper at a point between the knee and the ground whereby the person may be effectively tripped against the collision screen instead of being thrown to the ground and a collision bumper across the end of the automobile at which said screen and trip bumper are disposed.

1,486,914. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 12, 1923. Serial No. 618,576. 17 Claims. (Cl. 197—73.)

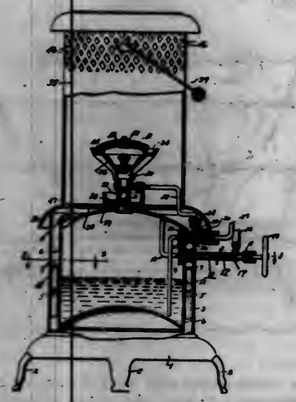


1. In a typewriting machine a case shift mechanism comprising a case shift key, a repulser mechanism and means operated by the depression of the shift key to its full extent to move the repulser mechanism to a position from which it moves rapidly into engagement with the shift mechanism as soon as the key is released and thus imparts a sudden initial impulse to the return movement of the shifted part.

1,486,915. OIL HEATER. SETH J. NORTH and BRYCE W. MCCLYMONT, Detroit, Mich. Filed June 27, 1923. Serial No. 647,900. 7 Claims. (Cl. 126—95.)

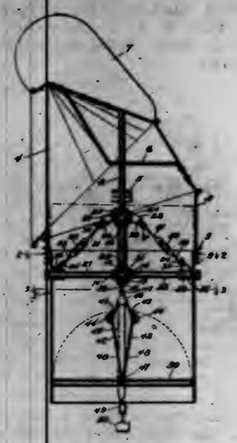
1. An oil heater comprising a hollow base, an oil tank removably supported in the base and provided with a sealed top, an oil burner secured above the tank in spaced relation therewith, a shield secured beneath the burner in spaced relation with the top of the tank, an

oil conduit connected to the burner and opening into the bottom of the tank allowing flow of oil under pressure to the burner, means for regulating the flow of oil



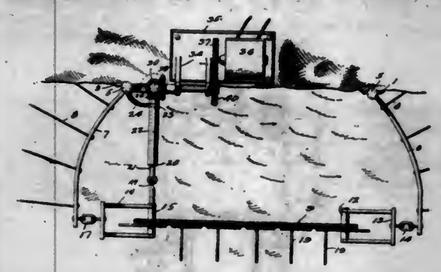
through the oil conduit, means for indicating the pressure in the tank, and a sheet metal drum secured to the base and fitting about the shield in spaced relation with the periphery thereof.

1,486,916. ROTARY VENTILATOR. JAMES NOVY, Muskogee, Okla. Filed Sept. 6, 1922. Serial No. 586,474. 4 Claims. (Cl. 98—3.)



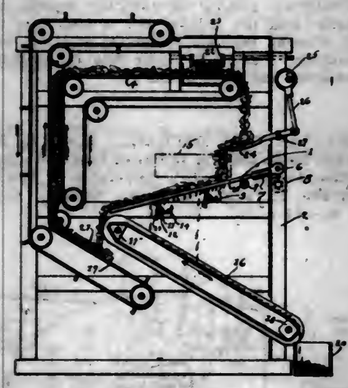
1. In a rotary ventilator, the combination of a stationary base section, a rotary head section, a six-armed bearing housing in the base section, a six-armed bracing head enclosed within the head section above and in vertical alinement with said bearing housing, a tubular shaft guide connecting the upper vertical arm of the bearing housing with the lower vertical arm of the bracing head, radial braces connecting the horizontal arms of the bearing housing with the base section at angles of 90° to each other, bracing members connecting the correspondingly arranged arms of the bracing head with said radial braces extending from the bearing housing, adjusting connections in said arms, and a shaft carried by the head section and extending downwardly through the bracing head and shaft guide into said bearing housing.

1,486,917. CURRENT MOTOR. SADAMA ORIOKA, Honolulu, Territory of Hawaii. Filed May 21, 1923. Serial No. 640,455. 5 Claims. (Cl. 170—90.)



2. In combination, a pair of spaced hinged arms, a current motor supported between and by said arms, means for holding said arms projecting out into a stream of water and so as to rotate said arms toward the bank of said stream whereby the motor may be moved close to said bank, and an extensible shaft operable by said motor for operating a mechanism on the shore of said stream.

1,486,918. PROCESS AND MECHANISM FOR PICKING PODS. CLARENCE H. PLUMMER, Kewaunee, Wis. Filed Jan. 11, 1922. Serial No. 528,411. 15 Claims. (Cl. 130—30.)

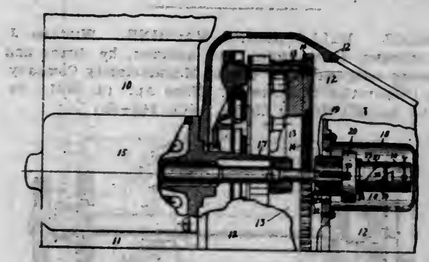


3. The process of treating leguminous plants to remove the pods therefrom, consisting in supporting the mass of stems and leaves comprising the plants at spaced intervals, subjecting such mass to vibration whereby the pods are caused to depend therefrom between the points of support, severing the stems of pods which are depending below said mass, distributing the plants comprising said mass whereby the stems and leaves of such plants are rearranged in the mass and loosened, and again subjecting the mass to vibration and severing the stems of pods depending therefrom.

1,486,919. INTERNAL-COMBUSTION ENGINE. JAMES R. QUINLAN, Pleasant Ridge, Mich. Filed May 8, 1922. Serial No. 559,129. 2 Claims. (Cl. 74—7.)

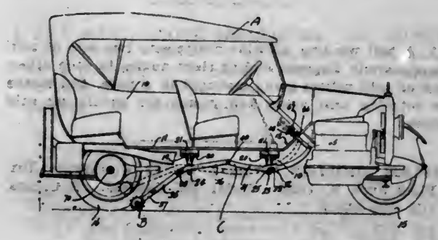
1. In a device of the character described, a starting motor having a shaft extended therefrom, a sleeve secured to said shaft, a second sleeve floated on said shaft, an engaging device floated on said shaft, means for operatively connecting said second sleeve with the engaging device adapted to form a driving connection which will permit unlimited slippage therebetween when a maximum

load has been placed thereon, and means for connecting said first and second sleeves whereby movement of the shaft combined with inertia of the parts associated with



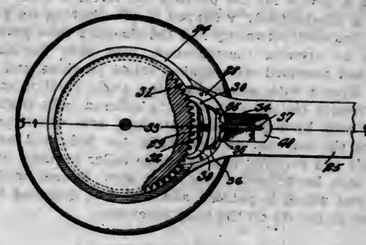
the second sleeve will cause movement of said second sleeve and the parts associated therewith longitudinally of said shaft.

1,486,920. NONSKID BRAKE FOR VEHICLES. JOHN H. RANDALL, Fort Dodge, Iowa. Filed May 20, 1921. Serial No. 471,048. 4 Claims. (Cl. 188—5.)



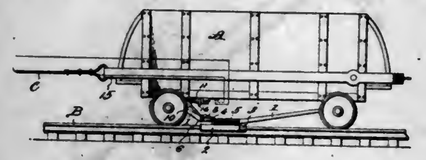
1. In a non-skid device, the combination with a motor-vehicle, of a non-skid road engaging wheel, brackets beneath said vehicle, and pivotally connected operating means oscillatively and reciprocably carried by said brackets, and supporting said non-skid wheel for selective engagement with a road way.

1,486,921. RATCHET WRENCH. RAYMOND REISS, Boston, Mass. Filed Sept. 28, 1922. Serial No. 591,145. 1 Claim. (Cl. 81—63.)



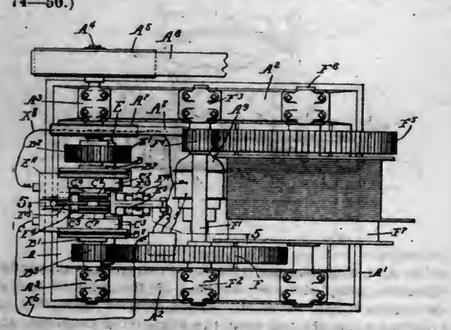
In a ratchet wrench, a head having a ratchet ring, a handle oscillatable about said head, a pair of independently movable pawls pivoted to said handle and engageable with the ratchet ring, a spring urging said pawls away from said ring, a T-shaped lever pivoted to said handle at the junction of its head and stem, said head extended with its arms opposite respective pawls, springs each fixed to one arm of the head and bearing against a respective pawl, a lug projecting downwardly from the stem, and a ratchet segment formed on the handle and having said lug engaged therewith.

1,486,922. BRAKE. ALLIE FRANK ROSS, Corinth, Miss. Filed Sept. 6, 1922. Serial No. 586,468. 3 Claims. (Cl. 188—44.)



1. A brake of the class described comprising a casting connected with the car, a pair of brake shoes carried by the casting and of tapered formation, spring means for normally holding the shoes in clamping engagement with the rail, weighted means for holding the spring means contracted and electro-magnetic means for holding such weighted means in raised position.

1,486,923. AUTOMATIC REVERSIBLE HOIST. CLYDE P. ROSS, Chicago, Ill., assignor to Roberts and Schaefer Company, Chicago, Ill., a Corporation of Illinois. Filed July 22, 1921. Serial No. 486,733. 4 Claims. (Cl. 74—50.)

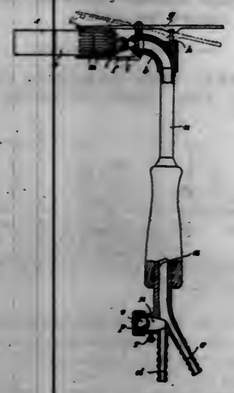


1. In an automatic reversing hoist, a power source and a drive shaft adapted to be continuously driven therefrom in a constant direction of rotation, a driven shaft adapted to be driven from said drive shaft, a pair of pinions rotatably mounted on said drive shaft and an independent driving connection between each of said pinions and the driven shaft, a clutch element for each of said pinions rotatable upon the drive shaft but in non-rotatable relation with said pinion, magnetic clutch members, non-rotatable on the drive shaft, opposed to each of said clutch elements, and electric connections therefor, control means whereby the magnetic clutch members may be singly actuated, a brake adapted intermittently to control said driven shaft, and automatic control means whereby said magnetic clutch members may be actuated one at a time, and whereby said brake is actuated in the intervals of the actuation of said clutch members.

1,486,924. SOLDERING IRON. JOSEPH ALOIS RUPPEL, Seligenstadt, Germany. Filed Apr. 9, 1923. Serial No. 630,995. 4 Claims. (Cl. 158—26.)

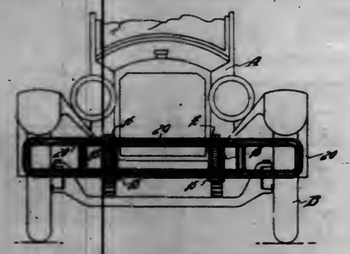
1. In a soldering iron, a bit having a pointed end and channels on opposite sides of said end and running at an angle to the longitudinal axis of the bit and holding

means including tongs bearing directly on the sides of said pointed end at the outer sides of said channels, in



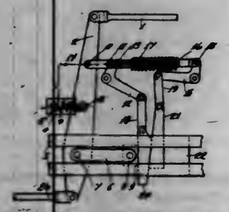
combination with a burner arranged opposite and presented to said pointed end of the bit to direct its flame directly on said pointed end and through said channels.

1,486,925. BUMPER. SYLVESTER SCALPELLI, Joliet, Ill. Filed Aug. 11, 1923. Serial No. 656,796. 6 Claims. (Cl. 293—55.)



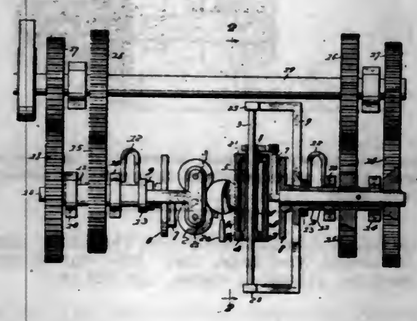
5. A spring bumper structure comprising supporting members adapted to be mounted at the forward end of a vehicle frame, outwardly spring pressed forwardly extending arms pivoted upon the supporting members, and springs connecting said arms.

1,486,926. BRAKE APPARATUS. ALFRED SCHEUER, Vienna, and HUGO SCHEUER, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Netherlands, a Dutch Company. Filed Aug. 26, 1921. Serial No. 495,505. 16 Claims. (Cl. 188—195.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



9. Braking apparatus for vehicles comprising a brake lever, a fixed abutment, an adjustable means embodying a pair of coacting wedge shaped members connected with and controlled by the brake lever and disposed between the brake lever and the fixed abutment, and a bearing piece disposed between the fixed abutment and the adjustable means.

1,486,927. BALL-WINDING MACHINE. WILLIAM J. SEYFFERT, Germantown, Pa., assignor, by direct and mesne assignments, to Corona Manufacturing Company, a Corporation of Delaware. Filed Apr. 14, 1921. Serial No. 461,400. 9 Claims. (Cl. 242—3.)



1. A ball winding machine comprising two sets of rollers oppositely disposed and at right angles to each other, each of said rollers being mounted in a yoke, and means for rotating said yokes and means for oscillating said rollers.

1,486,928. HOLDER. JOHN J. SIVLEY, Clarksville, Tex. Filed June 8, 1923. Serial No. 644,269. 2 Claims. (Cl. 129—23.)

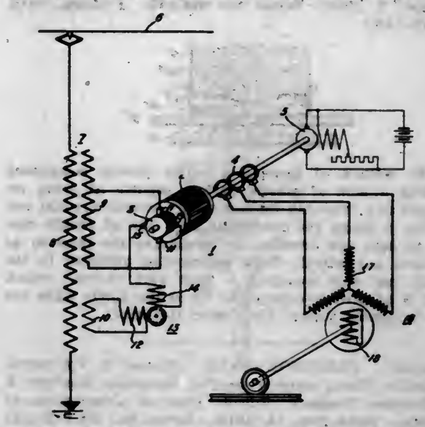


1. In a device for the purpose set forth, a metal body which is substantially V-shaped in plan having its pointed end rounded outwardly and the shoulder thus provided having an opening therethrough, said body having its upper end provided with spaced rolled portions and centrally formed with an outstanding angle portion having its extremity formed with a lip, a substantially U-shaped spring hook having an inner straight arm which passes through the referred to opening in the body and having an angle end received in one of the roller portions of the body, said hook having its outer arm formed with an angle end which is pointed and which is designed to be received in the lip on the body extension.

1,486,929. FREQUENCY-CHANGER SYSTEM. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1919. Serial No. 291,157. 6 Claims. (Cl. 172—281.)

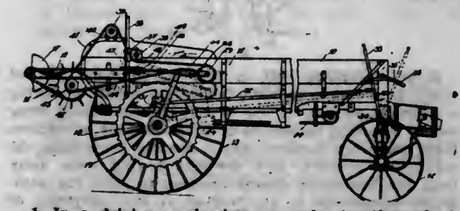
3. In an electrical system, the combination with a single-phase translating device of an armature wipding

connected to slip rings and a commutator, means connecting said single-phase translating device to said wind-



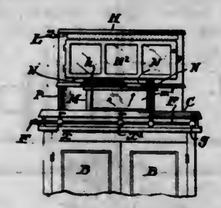
ing through said commutator, and an induction machine having a polyphase primary winding connected to said slip rings and having a single-phase secondary winding.

1,486,930. DRIVE MECHANISM FOR MANURE SPREADERS. ERNEST C. SMITH, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Sept. 18, 1919. Serial No. 324,572. 22 Claims. (Cl. 74—21.)



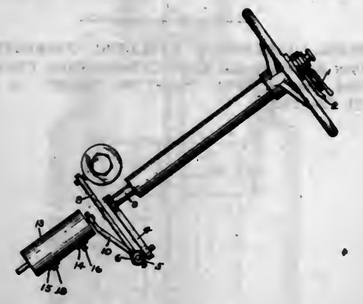
1. In a driving mechanism, an axle, traction wheels supporting the axle and adapted to impart rotation thereto, a driving sprocket mounted on the axle, an endless drive chain positioned in operative relation with respect to said sprocket, and means including a link movable concentrically with respect to said sprocket for engaging and disengaging said drive chain and said sprocket.

1,486,931. GAS STOVE. SELMA STARK, Scranton, Pa. Filed Feb. 12, 1923. Serial No. 618,593. 3 Claims. (Cl. 126—39.)



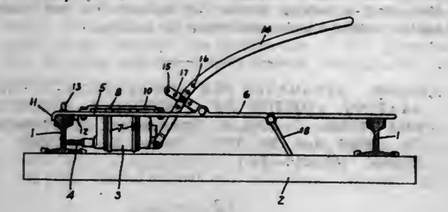
1. A gas stove comprising a burner plate provided with a centrally arranged burner of large dimensions and with other burners for general use, an oven having a perforated bottom, a stool resting on the burner plate and supporting the oven, and a hinged door for the stool.

1,486,932. VEHICLE BRAKE. CARLTON D. STEWART, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed May 5, 1921. Serial No. 467,041. 2 Claims. (Cl. 192—3.)



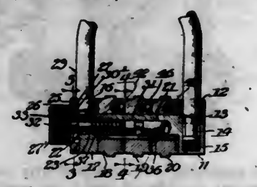
1. In a motor vehicle control apparatus, the combination with a carburetor and a lever for operating same, of an electro-pneumatic brake apparatus, a contact drum for controlling the circuits of said apparatus, a lever for operating said drum, and a throttle lever operatively connected to said levers.

1,486,933. RAIL DRILL. CARL F. STOLTE, Cincinnati, Ohio, and ARTHUR M. GILBERT, Mattoon, Ill. Filed Nov. 21, 1921. Serial No. 516,651. 3 Claims. (Cl. 77—3.)



1. A rail drill comprising a frame for engagement with the rails said frame carrying U-shaped supporting means, a motor drill having a circular casing with the drill mounted eccentrically thereof said casing supported by the U-shaped supporting means whereby a rotary adjustment of the casing in the straps adjusts the drill longitudinally and vertically of the rail web, substantially as set forth.

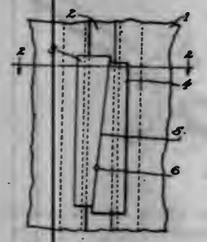
1,486,934. COMBINATION LOCK. JOHN M. STEMIC, Chicago, Ill. Filed June 14, 1920. Serial No. 388,762. 6 Claims. (Cl. 70—113.)



1. In a lock, the combination of a shackle, a member to which one end of the shackle is permanently fastened, said member having a tubular extension, a rotatable element arranged upon the extension, a member arranged for reciprocation within the tubular extension, means for engaging said last mentioned member and releasably

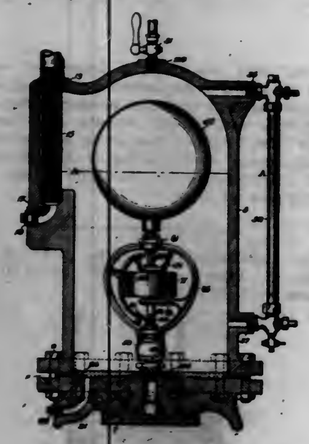
locking said member to the extension, said means being controlled by the rotatable element arranged upon the extension said member which is arranged within the extension having means for releasably engaging the opposite end of said shackle.

1,486,935. FIREPROOF BUILDING CONSTRUCTION. JOHN SWANSON and LYLE C. LOSHBOUGH, Chicago, Ill. Filed Aug. 4, 1919. Serial No. 315,267. 5 Claims. (Cl. 72—105.)



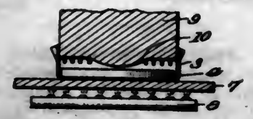
1. A fireproof building construction comprising a wall or ceiling made up of series of tiles or sections of fireproof material, said sections provided with grooves suitably located, fastener receiving devices in said grooves each comprising two separated engaging parts having inclined engaging side faces the side faces of the parts engaging each other when the fastener receiving device is in position and adapted when moved relatively to produce a wedge action so as to hold the parts in position, and a locking device for locking the two parts against relative movement when in position.

1,486,936. APPARATUS FOR AUTOMATICALLY SEPARATING LIQUIDS OF DIFFERENT SPECIFIC GRAVITIES. JOSEPH E. SWENDEMAN, Philadelphia, Pa. Filed Apr. 29, 1920. Serial No. 377,503. 9 Claims. (Cl. 210—84.)



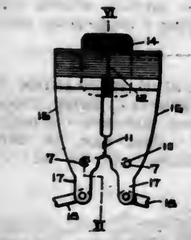
1. In an apparatus for automatically separating liquids of different specific gravities, the combination of a receptacle having an outlet for the heavier liquid; a float whose specific gravity is greater than that of the lighter liquid and less than that of the heavier liquid; a valve seat through which the liquid flows to said outlet; and a balanced valve which seats endwise against said valve seat and is operated by said float.

1,486,937. METHOD OF MAKING BOTTLE CLOSURES. THOMAS L. TALIAFERRO, Chicago, Ill. Filed Sept. 2, 1921. Serial No. 498,107. 1 Claim. (Cl. 113—80.)



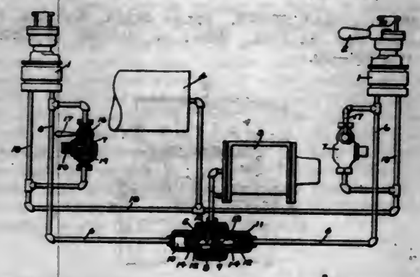
The method of forming a bottle closure comprising placing a disk of plastic rubber, capable of being reshaped and retaining its new shape, within a metal cap having a flange and subjecting said disk of plastic rubber to heat and pressure for re-shaping the same so as to form a relatively thick sealing ring adhering to the metal cap and becoming a fixed part thereof, which ring is adapted to engage the lip of the bottle when the cap is applied thereto for closing the same.

1,486,938. ELECTROMAGNET. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 14, 1919. Serial No. 277,043. 12 Claims. (Cl. 175—336.)



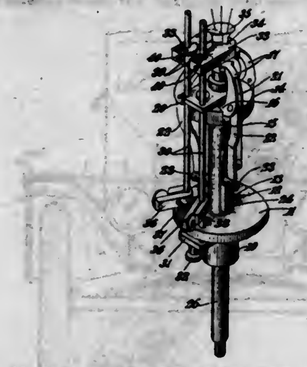
5. An energizing coil, a pair of members, one of which is a rocker member, lamination means providing a magnetic portion for one of said members, there being means normally rocking said rocker member withdrawn from the other member, and a bearing supporting the withdrawn member, said members having seats away from the lamination means coacting to shift the withdrawn member as to its bearing as the energizing of the coil acts upon the lamination means to cause the members to approach.

1,486,939. FLUID-PRESSURE BRAKE. HARRY J. WINTER, Southgate, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 16, 1923. Serial No. 625,493. 8 Claims. (Cl. 303—13.)



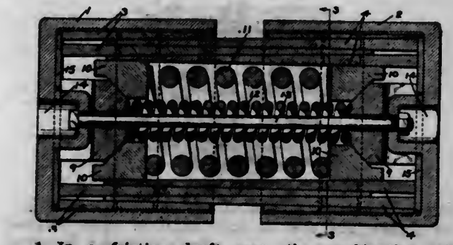
1. In a fluid pressure brake system, the combination with a brake cylinder and a pipe for supplying fluid to the brake cylinder from either end of the car, of means operated by fluid supplied through said pipe from one end of the car for venting fluid from said pipe leading to the other end of the car.

1,486,940. STEM-MAKING MACHINE. NATHAN WISS, Mount Vernon, N. Y. Filed Nov. 17, 1921. Serial No. 515,827. 14 Claims. (Cl. 49—2.)



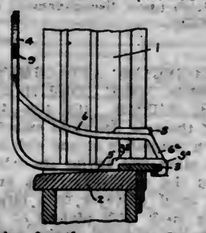
11. In a machine for making from a tubular body a stem having a plurality of lobes formed thereon at an angle with respect to each other, means for supporting a tubular body, a plurality of lobe forming arms arranged in different intersecting planes and adapted to be moved radially toward the axis of said tubular body, and means for simultaneously moving said arms convergingly toward the axis of said tubular body to produce a plurality of radially disposed lobes thereupon, said lobes lying in different intersecting planes.

1,486,941. FRICTION DRAFT GEAR. HARRY F. WOERNLEY, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1922. Serial No. 553,092. 5 Claims. (Cl. 213—33.)



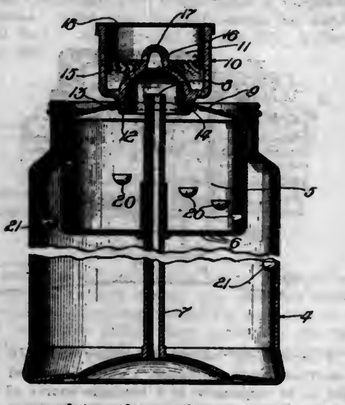
1. In a friction draft gear, the combination with counterpart housings having opposed closed ends and facing open ends, of a plurality of alternated longitudinal wedge shaped friction plates mounted in said housings and means for impressing a lateral pressure on said plates.

1,486,942. SAFETY SEAT FOR WINDOW CLEANERS. CARL ALLER, Detroit, Mich. Filed Feb. 15, 1922. Serial No. 536,625. 2 Claims. (Cl. 304—24.)



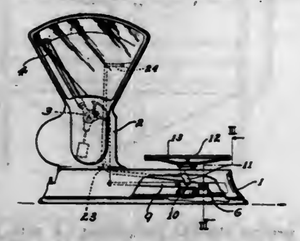
1. A safety device for the purpose described, comprising a back-rest, a pair of arms extending from said back-rest, and projections upon said arms for engaging the sill and for engaging the uprights of a window frame.

1,486,943. PERCOLATOR AND THE LIKE. WILLIAM O. BATES, Jr., Joliet, Ill. Filed Feb. 21, 1923. Serial No. 620,351. 8 Claims. (Cl. 53—3.)



1. In a percolator the combination with the pot, basket, and gusher tube thereof, of a transparent glass top member located above and in immediate proximity to the upper discharge end of the gusher tube, said top member including a circular trap having an inverted cup shaped floor above the upper end of the gusher tube, said floor being provided at its upper extreme end with a perforation of relatively small size as compared to the gusher tube, whereby the major portion of the liquid delivered upwardly through the gusher tube against the partition is immediately diverted downwardly into the basket, and whereby a relatively small portion of said liquid passes through the perforation of the partition into the trap and is retained therein, substantially as described.

1,486,944. WEIGHING SCALE. HARRY S. BERGEN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Mar. 22, 1922. Serial No. 545,650. 5 Claims. (Cl. 265—49.)



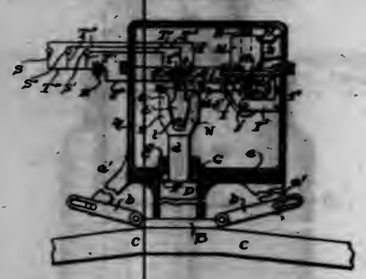
1. In a device of the class described, in combination, a plate, a hollow upwardly-projecting boss formed thereon, said boss being open at its lower end, and a dash pot removably fixed within the open lower end of said boss.

1,486,945. FLAT-SIDED WASHTUB. HELEN F. BIEDEKAPP, Walton, N. Y. Filed Nov. 22, 1922. Serial No. 602,638. 1 Claim. (Cl. 68—31.)



As a new article of manufacture, a wash-tub having a bottom, two vertical flat side walls arranged at right angles to each other, and an arcuate side wall connecting the outer ends of said flat walls, being inclined outward and upward.

1,486,946. TRAIN-CONTROL SIGNAL. ANDREW J. BROOKINS, Chicago, Ill. Filed Apr. 15, 1921. Serial No. 461,529. 13 Claims. (Cl. 246—49.)



1. A permanent magnetic member movably mounted, an electromagnetic member rigidly mounted and arranged to be responsive to a roadside source of electrical energy, and to co-act, when energized, with said permanent magnetic member to move said permanent magnetic member to a selected position and the pole of said electromagnetic member arranged to form, when de-energized, the armature of said permanent magnetic member, to maintain it in said selected position.

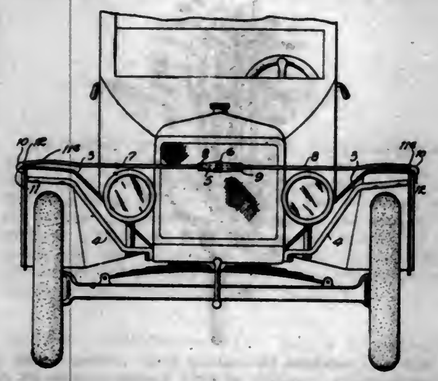
1,486,947. SEALING MEANS. WINFRED M. BROOKS, South Orange, N. J. Filed June 12, 1923. Serial No. 644,831. 2 Claims. (Cl. 292—307.)



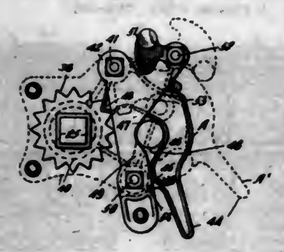
1. A sealing element comprising: a wire bent into a loop by crossing the ends thereof substantially at right angles to each other to provide a main leg and a subsidiary leg, said main leg having transverse notches on one side and a flattened surface on its opposite side at the point where it crosses the subsidiary leg to thereby direct subsequent bending of the main leg substantially at right angles to the plane of the notches.

1,486,948. BRACE FOR AUTOMOBILE FENDERS. THOMAS BURGESS, Vandalia, Mo., assignor of one-half to John B. Crum, Vandalia, Mo. Filed Apr. 17, 1922. Serial No. 553,867. 1 Claim. (Cl. 280—152.)

A support for automobile fenders comprising the combination with a pair of fenders and stationary supports secured to the underneath side of said fenders, of a longitudinally adjustable support comprising a pair of bifurcated hooks having shoulders adapted to engage the outer edges of the fenders and having the portion adjacent the shoulders upwardly bowed, a turn buckle for adjusting said adjustable support and jam nuts for holding said turn buckle in an adusted position, said stationary supports and said adjustable support co-acting to prevent the jarring and loosening of the fenders.



1,486,949. CAR-DOOR-OPERATING MECHANISM. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 525,105. 9 Claims. (Cl. 74—16.)

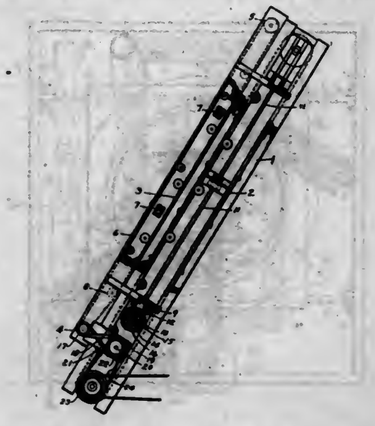


1. The combination with a shaft having a latch wheel thereon; of a latch co-operable with said whel; a detent movable under the force of gravity to a position to retain said latch in inoperative position with reference to said wheel; and means on said latch, movable therewith, engaging said detent for rendering the latter ineffective when the latch is in operative relation to said latch wheel, and controlling the movement thereof under the influence of gravity to permit the same to move into retaining position upon disengagement of said latch from said latch wheel.

1,486,950. CONVEYER ATTACHMENT. ARTHUR W. CURTIS, Seattle, Wash. Filed May 18, 1922. Serial No. 561,874. 1 Claim. (Cl. 198—165.)

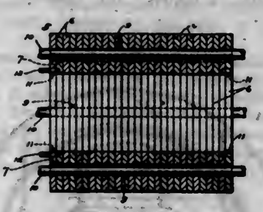
A device of the type described embodying a small conveyer in which the pulley at one end is smaller than the pulley at the other and having its axis placed above the center line of the conveyer; racks extending from the sides of the small conveyer to a large conveyer under it where they mesh with pinions on shafts so that as the pinions are turned the racks will move upward or downward; bevel gears on the ends of the shafts meshing with other bevel gears on a shaft going thru the

conveyer which has a hand wheel on one end; and a counter shaft rotatably mounted in a bracket extending downward from the auxiliary conveyer having a pulley



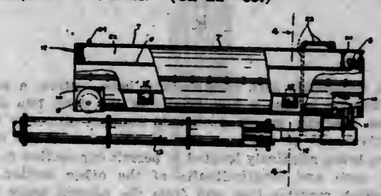
on it that is driven from a pulley on the main shaft of the large conveyer and another pulley on it which drives a pulley on the end of the small conveyer.

1,486,951. ROTARY CASTING. DIMITRI SENSAUD DE LAVAUD, New York, N. Y. Filed May 22, 1919. Serial No. 298,885. 6 Claims. (Cl. 22—65.)



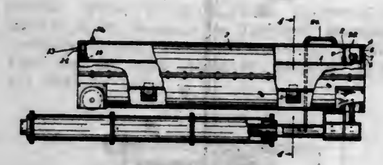
1. A rotary mould, comprising, a plurality of thin metallic rings arranged face to face and welded together at spaced intervals.

1,486,952. CENTRIFUGAL MOLD FOR CASTING PIPE. DIMITRI SENSAUD DE LAVAUD, Paris, France, assignor, by mesne assignments, to Centrifugal Pipe Corporation, a Corporation of Delaware. Filed Aug. 27, 1920, Serial No. 406,442. Renewed May 6, 1922. Serial No. 559,072. 7 Claims. (Cl. 22—65.)



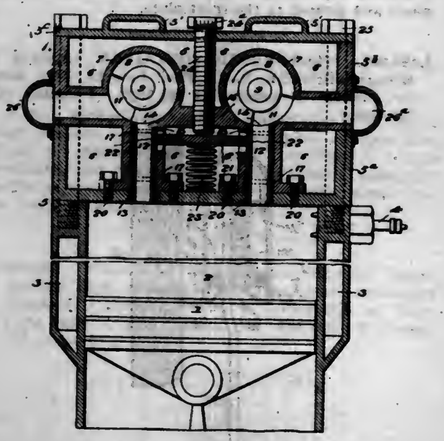
1. A centrifugal mold for casting pipe, comprising, a cylindrical mold adapted to be rotated, and bearing supports for the mold arranged substantially mid-way between the centre and the ends of the mold to effectively balance the mold longitudinally, said supports allowing free longitudinal expansion and contraction of the mold.

1,486,953. ROTARY MOLD. DIMITRI SENSAUD DE LAVAUD, Paris, France, assignor, by mesne assignments, to Centrifugal Pipe Corporation, a Corporation of Delaware. Filed Aug. 27, 1920, Serial No. 406,444. Renewed May 6, 1922. Serial No. 559,073. 5 Claims. (Cl. 22—65).



2. In a rotary mold, a cylindrical casing, a rotary mold axially supported in said casing, ring members secured in said casing and extending toward the periphery of the mold, and expansible piston rings carried by the mold and slidably and rotatably engaging said ring members.

1,486,954. ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES. OSCAR L. DUGGER, Evansville, Ind., assignor of one-fourth to Charles Moore, Vanderburg County, Ind. Filed Aug. 9, 1920. Serial No. 402,370. 3 Claims. (Cl. 123—190.)

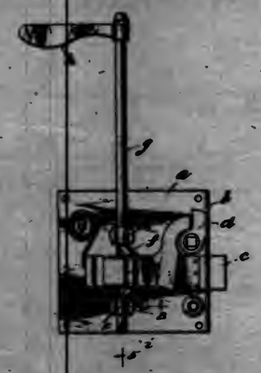


1. The combination with a cylinder of an internal combustion engine, of a head therefor, a rotary valve in said head, a slidable conduit affording communication between the cylinder and the valve and bearing on the latter, spring-means actuating the conduit toward the valve, and means, operable from the exterior of the head, adapted for limiting the movement of said spring-means to determine the relationship of the conduit to the valve.

1,486,955. ELECTRODE ELEMENT FOR GALVANIC BATTERIES AND METHOD OF PRODUCING THE SAME. LE ROY S. DUNHAM, Bloomfield, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Feb. 21, 1922. Serial No. 538,350. 20 Claims. (Cl. 204—38.)

1. An electrode element for galvanic batteries comprising a mass of oxide of copper combined with a material comprising crystallized copper sulphate, said mass being physically and chemically altered by baking, substantially as described.

1,486,956. LATCH BEARING. FRANK EDGAR, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 23, 1922. Serial No. 583,839. 5 Claims. (Cl. 292—169.)



1. In a lock, a combination of a front plate, a sliding bolt guided transversely thereof, a rotary spindle parallel with the front plate and perpendicular with the sliding bolt arranged to retract the bolt, and a bearing therefor, comprising a sleeve abutting against the front plate, and a bearing cap engaging about the spindle opposite the sleeve and secured to the front plate.

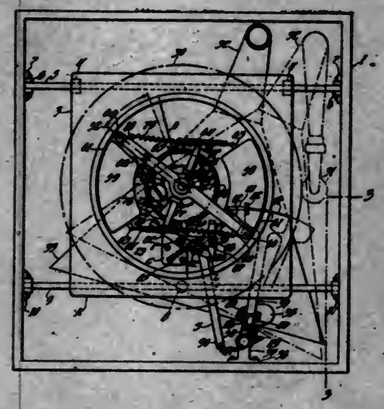
1,486,957. TOOTHBRUSH CONTAINER. ARTHUR E. ENGLAND, Brooklyn, N. Y. Filed June 15, 1922, Serial No. 568,426. Renewed July 26, 1923. 1 Claim. (Cl. 248—63.)



In an article of manufacture, a tubular container for a tooth brush, which container is open at one end, an expansible annular metal channel member removably receivable within said container, and an absorbent disinfectant carrying ring removably receivable within the channel portion of said annular member adapted to be held outwardly by said member to frictionally engage the wall of the container for support at any position therein to which the same may be moved.

1,486,958. PHONOGRAPH. WILLIAM E. GIBBS, East Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed May 1, 1920. Serial No. 378,182. 17 Claims. (Cl. 192—122.)

1. In combination, a rotatable member adapted to be driven by a motor, a governing device for controlling and regulating the speed of rotation of said member, and means responsive to variations in the power exerted by the motor in driving said member and acting on said



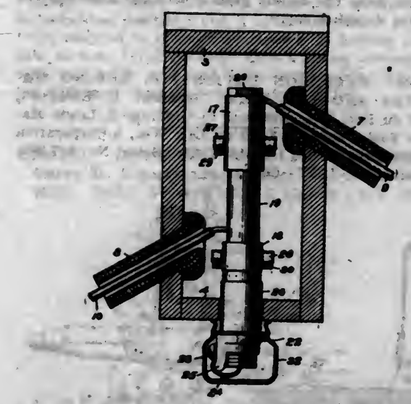
governing device to vary the action of the latter in accordance with said variations to thereby maintain the speed of rotation of said member constant, substantially as described.

1,486,959. COLLAPSIBLE TIRE CORE. ARCHER H. HARRIS, Barberton, Ohio. Filed Nov. 28, 1922. Serial No. 603,744. 4 Claims. (Cl. 154—9.)



4. A collapsible core comprising a base section, a support therefor having a hub axially of the core, two side sections hingedly mounted on said support adjacent the respective ends of the base section, the axes of the two sections being relatively located to permit one section to be folded upon and longitudinally of the other section, a key section movable into and from the normal space between the free ends of the side sections, a bifurcated frame whereof the arms loosely embrace the hub and depend therefrom, a pivotal connection between the lower ends of the said arms and the support, and guide rods extending inwardly from the key section and slidably fitted to the body of the frame.

1,486,960. EXPULSION FUSE BOX. LESTER C. HART, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, a Corporation of Pennsylvania. Filed Dec. 22, 1921. Serial No. 524,234. 4 Claims. (Cl. 200—127.)

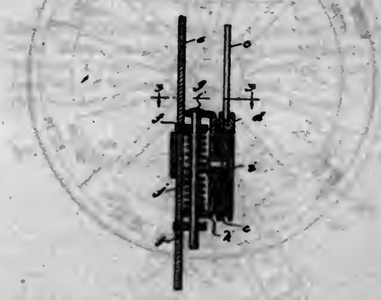


1. In combination, a fuse box, a fuse tube in the box with one end open and extending outside the box, a fuse wire in the tube extending through the open end of the tube to the outside of the box, and a closure cap surrounding the open end and adapted to be blown off when a blow-out of the fuse occurs.

1,486,961. MANUFACTURE OF CHROME ALUM. PETER HARENCLEVER, Hamburg-Billwarder, Germany. Filed Nov. 11, 1922. Serial No. 600,452. 1 Claim. (Cl. 23—13.)

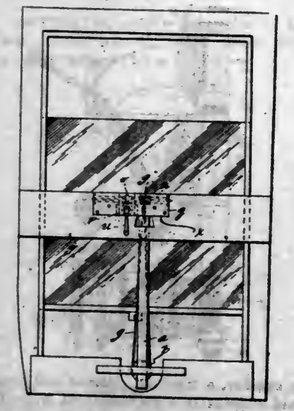
The process for manufacturing chrome alum which consists in dissolving ferro-chrome in a non-oxidising mineral acid capable of dissolving ferrochrome, precipitating from the solution chromium hydroxide, the iron remaining dissolved, separating the chromium hydroxide from the liquid, dissolving the chromium hydroxide in sulphuric acid, adding potassium sulphate and crystallizing.

1,486,962. WINDOW-REGULATOR WHEEL SUPPORT. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 23, 1922. Serial No. 583,723. 5 Claims. (Cl. 268—4.)



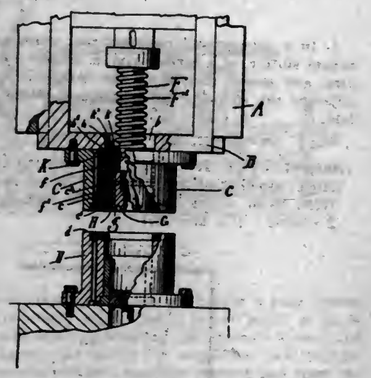
1. In a window regulator, the combination of a frame, a carrier member provided with a vertical projecting rod, means connected with said frame for slidably and rotatably supporting said rod, one or more of the end portions of the carrier engaging rod, and a rotating member rotatably supported by an intermediate portion of the carrier at a point somewhat radially removed from the axis of the rod, whereby the said carrier member and rotating member are both slidable and rotatable on a vertical axis with respect to said frame on an arc of relatively large radius.

1,486,963. WINDOW REGULATOR. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 23, 1922. Serial No. 582,724. 12 Claims. (Cl. 268—4.)



2. In a window regulator, the combination of a flexible draft member, upper and lower rotatable members over which the flexible draft member runs, and a driving mechanism for the upper rotatable member adjustably fixable at various points along said rotatable member for the purpose specified.

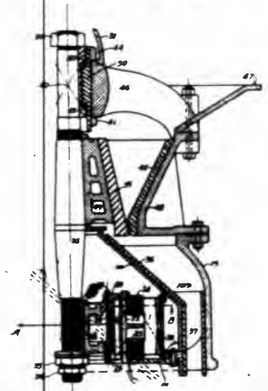
1,486,964. PUNCH PRESS. JOHN HEISEL, Mount Healthy, Ohio, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 7, 1921. Serial No. 450,445. 3 Claims. (Cl. 113—49.)



1. In a device of the class described the combination of a reciprocating blank holder having a bore the wall of which has a groove therein, a primary die adapted to be reciprocated in the bore in the blank holder and having a transverse slot and a bore therein, a secondary die adapted to be reciprocated in the bore in the primary die

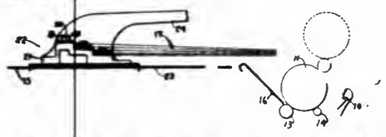
and having a groove therein, a pin reciprocally mounted in the transverse slot in the primary die and extending therefrom adapted to lodge in the grooves in the blank holder and the secondary die, and means operative upon the pin and yieldably holding the pin in engagement with the secondary die.

1,486,965. CRUSHING APPARATUS. THOMAS A. JANNEY, Garfield, Utah. Filed June 30, 1921. Serial No. 481,593. 7 Claims. (Cl. 83—10.)



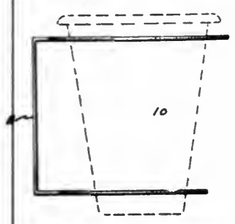
1. In a crusher, a crushing element and means for subjecting said element to a succession of magnetic impulses acting in different directions, thereby imparting movement to said element.

1,486,966. TYPEWRITING MACHINE. ARTHUR A. JOHNSON, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 11, 1920. Serial No. 409,627. 11 Claims. (Cl. 197—126.)



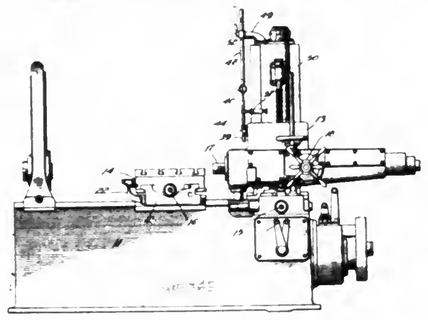
1. In a typewriting machine, the combination with a carbon shifter, of a carbon arm, a support for the carbon arm, and means carried by the carbon arm at a point adjacent the support, for splitting a folded web at the fold.

1,486,967. CUP HOLDER. JACOB KAUFMAN, Detroit, Mich., assignor of forty per cent to Aaron Droock, Detroit, Mich. Filed June 27, 1922. Serial No. 571,300. 2 Claims. (Cl. 65—13.)



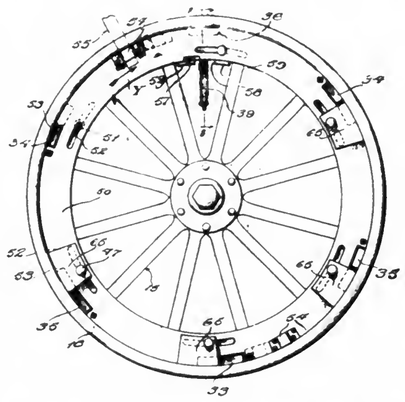
1. A holder for a drinking cup consisting of an elongate strip of fibrous material having a ring at each end and narrowed between said rings to form a handle, said end rings normally disposed in the same plane as the plane of the handle so that a plurality of said strips may be stacked one above the other, said strip adapted to be bent adjacent each ring so that the rings extend angularly from the handle portion in axial alinement to encircle a drinking cup.

1,486,968. PRECISION DEVICE FOR BORING MACHINES AND THE LIKE. HERBERT E. KEMPTON, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Oct. 12, 1921. Serial No. 507,302. 3 Claims. (Cl. 77—63.)



1. In a boring machine or the like, a precision device comprising an indicator, measuring means with which said indicator is adapted to coact, and means for supporting the indicator for adjustment upon one of two relatively movable parts of the machine, said means comprising a bracket secured to one of said parts, a rod entered through the bracket, and means for clamping the rod in the bracket so as to permit of the adjustment of the indicator with respect to the measuring means.

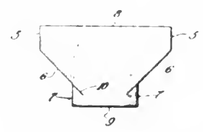
1,486,969. DEMOUNTABLE WHEEL. WILLIAM T. KLINE, Mifflinburg, Pa. Filed Nov. 14, 1922. Serial No. 600,897. 6 Claims. (Cl. 301—26.)



1. A wheel construction of the class described, comprising a pneumatic tire having an air valve and a securing nut therefor, a felloe, a plurality of radial projections on said felloe and a rim having corresponding projections adapted to engage with said first projections to hold the felloe and the rim in spaced relation; means on said felloe adapted to abut in transverse direction with one

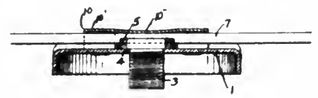
end of each of said other projections, a member revolubly mounted on said felloe, adapted to engage with the opposite ends of said other projections to lock the rim transversely to the felloe, said member being provided with notches corresponding to said other projections and adapted to register therewith when said member stands in unlocking position; and a latch associated with said felloe adapted to secure said member in locking position, said member being provided with a recess corresponding with said latch, and said valve and securing nut engaging with said latch to retain it in position.

1,486,970. ROOFING. FRANK J. KROMENAKER and GRANT M. KROMENAKER, Chicago, Ill. Filed Mar. 18, 1922. Serial No. 544,755. 6 Claims. (Cl. 108—8.)



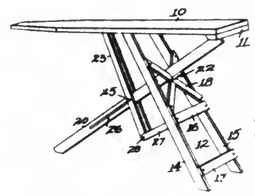
1. As a new article of manufacture, a roofing shingle having a lower edge, ends which extend upwardly in right angular relation thereto, thence outwardly in diverging relation, and thence upwardly again in parallelism with the first mentioned sections thereof, and a top edge parallel to the lower edge, there being slits extending into the body of the shingle in line with the outwardly extended end sections, substantially as described.

1,486,971. LOOM PLATE FOR ELECTRIC FIXTURES. PAUL LESNESKY, Detroit, Mich. Filed June 12, 1922. Serial No. 567,728. 3 Claims. (Cl. 247—22.)



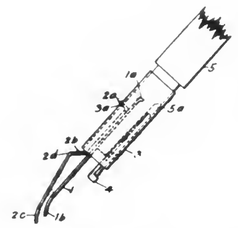
1. The combination with a supporting bar, of a loom plate, and a bridge member having arched extremities embracing said bar and rigidly secured to said plate, said bridge having a deflected portion engaging the bar and frictionally resisting movement of said plate longitudinally of said bar.

1,486,972. IRONING TABLE. GEORGE W. LEWIS, Westboro, Mass., assignor, by mesne assignments, to J. F. Bicknell Lumber Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1921. Serial No. 449,980. 2 Claims. (Cl. 68—10.)



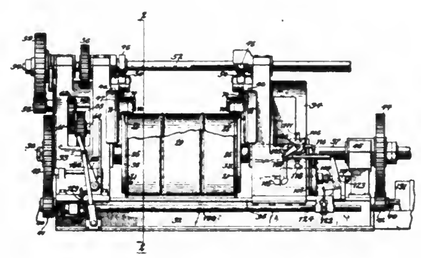
1. A folding ironing table having, in combination, a board, a frame pivoted thereto at an intermediate point in the length of the table and comprising spaced connected side members, a brace pivoted to said table near one end thereof and extending rearward through said frame, the other end of said brace engaging the floor when in operative position and forming with said frame a three-point support for said table, said brace engaging said frame and being supported thereby between its ends when in operative position, a lever pivoted to said board near the center thereof and having a sliding connection to said brace, and a link connecting said lever to said frame and effective to cause said frame, brace and lever to move in unison as a connected structure to open or folded position by a simple continuous movement.

1,486,973. LETTERING PEN. WILLIAM J. LILLY, Tacoma, Wash. Filed May 22, 1922. Serial No. 562,867. 2 Claims. (Cl. 120—111.)



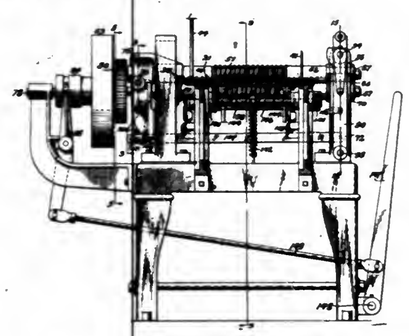
2. A pen of the character described, having blades one of which is adjustable with points curved downward in proximity to each other, a key for securing blades in proper position and a holder, having recesses for receiving blades and key, and a perforated ferrule connected to said adjustable blade.

1,486,974. BARREL-SEAMING MACHINE. BROR J. LINDGREN, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a Corporation of New York. Filed Apr. 25, 1921. Serial No. 464,075. 10 Claims. (Cl. 113—23.)



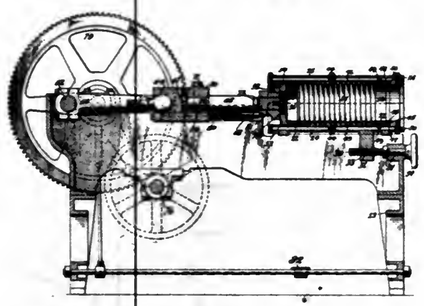
1. A barrel seaming machine comprising a main frame, means for rotatably supporting a barrel which is to be seamed in said frame, a seaming roll movable toward and from said barrel and means for supporting said roll including a carrier movable laterally toward and from the barrel, an axle which is adjustable on said carrier parallel with the axis of said barrel and which has an enlarged central part on which said roll is journaled, and retaining disks arranged on said axle and engaging opposite ends of the enlarged central part thereof and also engaging with opposite sides of said roll.

1,486,975. SHEET-METAL-BENDING MACHINE. BROR J. LINDGREN, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,834. 31 Claims. (Cl. 153—61.)



1. A machine of the character described, comprising a support for the sheet to be bent, upper and lower feeding rollers which receive said sheet from said support, bearings in which opposite ends of the lower roller are journaled, a vertically swinging bearing in which one end of the upper roller is journaled, a divided bearing in which the other end of said upper roller is journaled, said divided bearing having a fixed lower section, and an upper movable section, a laterally swinging yoke on which said upper bearing section is mounted, and means for turning the sheet as the same issues from said feeding rollers.

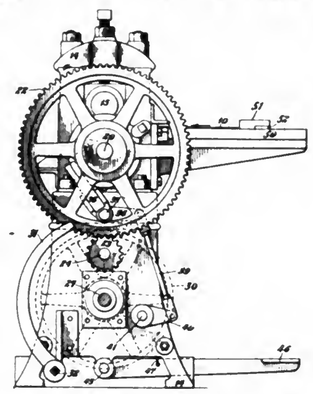
1,486,976. MACHINE FOR COMPRESSING CORRUGATED PIPES. BROR J. LINDGREN, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a Corporation of New York. Filed Mar. 24, 1922. Serial No. 546,482. 11 Claims. (Cl. 153—21.)



1. A machine of the character described comprising a chuck having a cylinder which is adapted to receive a circumferentially corrugated pipe, abutments adapted to engage opposite ends of the pipe and one movable relatively to the other lengthwise of the cylinder, means for reciprocating said movable abutment, and means for adjusting the position of said cylinder in a direction lengthwise of its axis.

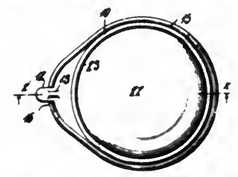
1,486,977. CORRUGATING MACHINE. BROR J. LINDGREN, Buffalo, N. Y., assignor to Niagara Machine & Tool Works, Buffalo, N. Y., a Corporation. Filed Aug. 22, 1921. Serial No. 494,044. 4 Claims. (Cl. 153—77.)

1. A corrugating machine comprising a pair of cooperating corrugating rolls each having a plurality of integral, longitudinal corrugations formed on its periphery and also having a plurality of longitudinal recesses having



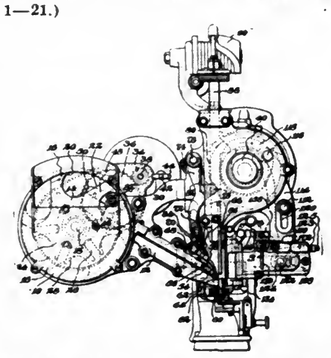
obliquely formed bottoms; and a plurality of longitudinal corrugated bars adapted to be disposed within said recesses.

1,486,978. POWDER-DISPENSING BOX. JAMES V. LOBELL, Newark, N. J. Filed Feb. 21, 1922. Serial No. 538,185. 11 Claims. (Cl. 43—146.)



1. A powder box of separable sections joined to provide a container, one of said sections having a lip extension received within a cut-out of the other section, said lip extension being grooved to provide an outlet for the box and adapted to be folded over the outlet to seal the box.

1,486,979. FASTENING-INSERTING MACHINE. FRED L. MACKENZIE, Beverly, and GEORGE GODDU, Winchester, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 8, 1919. Serial No. 329,342. 40 Claims. (Cl. 1—21.)



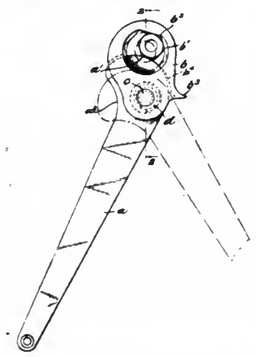
1. In a machine of the class described, two awls, means for forcing one of the awls into the work to feed the same, means for withdrawing said awl at the termination of the feeding movement, and means subsequently operative for forcing both awls into the work preliminary to a fastening inserting operation.

1,486,980. COMBINED CAP AND MUFFLER. JAMES MACWILLIAM, London, England. Filed Apr. 12, 1923. Serial No. 631,543. 1 Claim. (Cl. 2—118.)



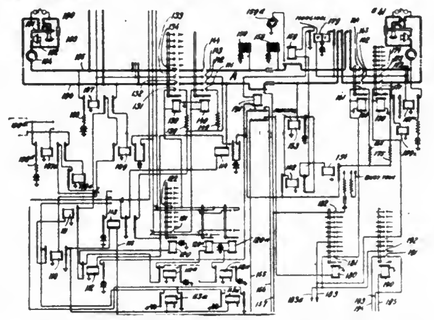
An article of the class described comprising a cap of knitted material having a head-receiving portion, an upturned portion thereon of double thickness forming a continuous band, said head-receiving portion havinga its opposite corners at its upper end terminating in points which are extended over the upper edge of the band and are fixedly secured to said band, an ear flap extending downwardly from the lower edge of the band, a strap adapted to extend below the chin of the wearer and connect the opposite sides of the ear flap, and a pair of muffler portions extending from the lower edge of the ear flap and adapted to be wound about the neck of the wearer.

1,486,981. WRENCH. PAUL JULES ERNEST MAGNAN, Tours, France, assignor of one-half to Georges Goullet, Paris, France. Filed Nov. 15, 1922. Serial No. 601,017. 1 Claim. (Cl. 81—98.)



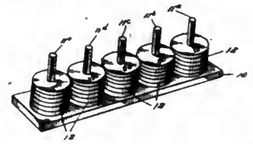
A wrench comprising a handle having an opening for a pivot near its inner end and a recess on one side about the pivot opening and having its inner end beyond the pivot opening formed with its edge eccentric to the pivot opening, a gripping member having legs embracing the inner end of the handle and having pivot openings therein, a pivot pin extending through the pivot openings in said legs and the pivot opening in the handle end, said gripping element having beyond the pivot openings an opening adapted to receive the article to be gripped, having a flat face opposite said eccentric edge, a spring within the recess in the side of the handle acting to swing the gripping element towards the point on the eccentric edge of the handle farthest distant from the pivot opening, a shoulder on the gripping member in position to contact with the eccentric edge of the end of the handle to limit the movement imparted to it by the spring, and a thumb piece extending outward from the gripping member in position to be operated by the hand grasping the handle to swing the gripping member against the force of the spring.

1,486,982. TELEPHONE-EXCHANGE SYSTEM. FRANK R. MCBERTY, Galion, Ohio, assignor to The North Electric Manufacturing Company, Galion, Ohio, a Corporation of Ohio. Filed Mar. 15, 1920. Serial No. 365,921. 89 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a plurality of lines, a variably operable impulse sending device associated with each line, a plurality of sets of counting relays, a plurality of trunks, a plurality of line switching relays provided with contacts appertaining to said lines, means for actuating said relays to select a trunk and to connect a calling line with one end of the selected trunk, a relay associated with each trunk, a set of counting relays associated with the relay of the selected trunk, means common to said lines for operating the relay associated with the selected trunk to connect said set of counting relays to said trunk, a controlling circuit between the impulse sending device of the calling line and the counting relays associated with the selected trunk, contacts of the relay associated with the selected trunk, in said controlling circuit, another plurality of line switching relays provided with contacts appertaining to said lines, actuating means for the last mentioned switching relays, controlling circuits between said set of counting relays and the actuating means of all of said last mentioned switching relays whereby said trunk may be connected to the called line, and means responsive to the actuation of the contacts of one of the last mentioned switching relays for actuating the relay associated with the selected trunk.

1,486,983. GAME COUNTER. DONALD MCDONALD, Louisville, Ky. Filed June 12, 1922. Serial No. 567,659. 2 Claims. (Cl. 235—90.)



1. In a game counter a rack having a base and a plurality of posts projecting from said base, a plurality of centrally apertured chips disposed on each post, each of said posts being provided with a column of numbers for

indicating the value of the chips on each post in excess of or less than the original number, said chips being in sets of different values and each chip having its value indicated thereon.

1,486,984. HOTBED. WILLIS MCKEE, Cleveland, Ohio. Filed Sept. 27, 1920. Serial No. 413,027. 14 Claims. (Cl. 198—219.)



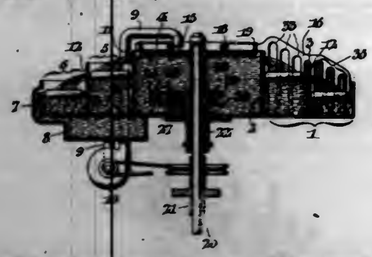
1. A hot bed comprising alternate stationary and movable members adapted to support work, means for imparting vertical reciprocating movement to said movable members, means for imparting horizontal reciprocating movement to said movable members, detachable driving means connecting said vertical and said horizontal reciprocating means whereby when said vertical reciprocating means is operated said vertical and horizontal movements are caused to take place simultaneously, and driving means connected to said vertical reciprocating means for operating it.

1,486,985. STORAGE BATTERY. JAMES F. MONAHAN, East Orange, N. J., assignor to Edison Storage Battery Company, West Orange, N. J., a Corporation of New Jersey. Filed May 1, 1920. Serial No. 378,176. 11 Claims. (Cl. 137—53.)



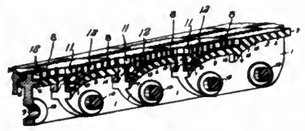
10. A gas valve for storage batteries, comprising a member having a valve seat and an opening therethrough, a rounded weight seated loosely on said member about said opening, and a valve supported by said weight, said weight acting to draw said valve toward the valve seat when the battery is moved from a vertical toward a horizontal position, substantially as described.

1,486,986. COOKING APPARATUS AND METHOD. FRANK E. MORRIS and JOHN C. BERGNER, Philadelphia, Pa. Filed Nov. 4, 1919. Serial No. 335,599. 20 Claims. (Cl. 99—7.)



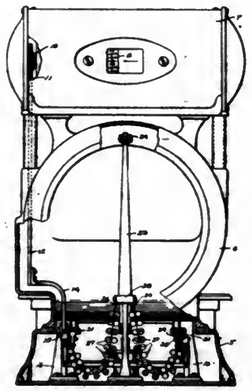
1. The method of frying articles with hot liquor which consists in applying such liquor to both sides of them, with partial immersion, in like measure substantially throughout the cooking period, so as to advance the cooking of the two sides from stage to stage in a corresponding manner.

1,486,987. CHAIN-GRATE STOKER LINK. JOHN P. POLSTER, Toledo, Ohio. Filed Sept. 2, 1921. Serial No. 497,872. 12 Claims. (Cl. 110—40.)



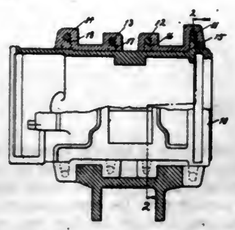
1. In a chain grate, a plurality of links arranged in rows lengthwise of the chain, the links of each row breaking joint with the links of the adjoining rows, each of the links having horizontally protruding lapping portions that extend and lap throughout the length of the links and form substantially vertical and horizontal contacting surfaces between juxtaposed links.

1,486,988. WEIGHING SCALE. ELMER C. POOL, New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed June 12, 1919. Serial No. 303,726. 16 Claims. (Cl. 265—48.)



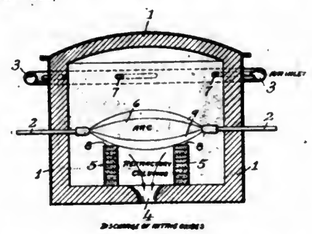
1. In a scale, and in combination with the scale beam thereof, load-offsetting means comprising a flexible element having a plurality of spaced weights thereon, some of said weights comprising a body portion and an auxiliary end piece detachably secured thereto.

1,486,989. PEDESTAL JOURNAL BOX AND PROCESS OF MAKING THE SAME. IVAR A. RANDEL, Chicago, Ill., assignor of one-half to William M. Ryan, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 602,133. 4 Claims. (Cl. 22—206).



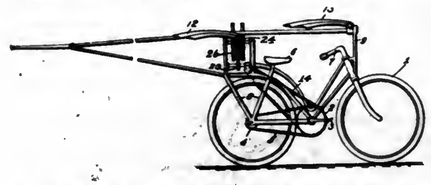
1. In a journal box, the combination of a body portion having perforated flanges and guides cast about said flanges with the metal extending through said perforations.

1,486,990. PROCESS AND DEVICE FOR STABILIZING ELECTRIC ARCS. WERNER SIEBERT, Laufenburg, Switzerland, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,726. 3 Claims. (Cl. 204—31.)



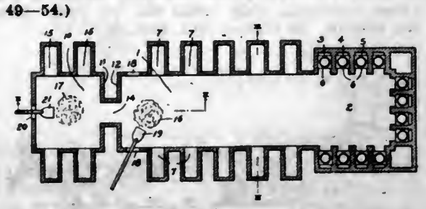
1. The stabilization of electric arcs in electric furnaces by introducing refractory substances into the zone of the electric arc.

1,486,991. FLYING MACHINE. IVAR SILFVENIUS, Lynn, Mass. Filed Mar. 5, 1923. Serial No. 622,904. 4 Claims. (Cl. 244—20.)



4. In a flying machine, the combination of a bicycle, an operator's seat therefor, a frame mounted on said bicycle comprised of two parallel members, sleeves on the parallel members, wing connections on the sleeves, yoke straps connecting the alternate forward and rear wings on opposite sides of the machine to act to be raised and lowered respectively, and a pedal actuating means for operating both the bicycle and yoke straps.

1,486,992. GLASS-MELTING TANK. HARRY G. SLINGLUFF, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 15, 1922. Serial No. 601,079. 12 Claims. (Cl. 49—54.)

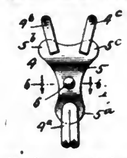


1. The combination with a regenerative glass melting tank having a melting end and a discharge end, of means for supplying molten glass to said melting end of the tank.

10. The process of operating a regenerative glass melting furnace which consists in supplying batch to the melting end of such furnace and also feeding molten glass into such melting end to the rear of said batch.

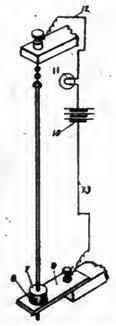
1,486,993. SNAP HOOK FOR TIRE CHAINS. ERIC STOLPE, Yonkers, N. Y. Filed Apr. 10, 1922. Serial No. 551,017. 2 Claims. (Cl. 152—14.)

2. A snap-hook for tire chains embodying, in combination, a triangular-shaped connecting member having a body portion formed of a single strand or rod of wire bent to form intermediate its ends a single hook for engagement with a side chain, and two additional hooks



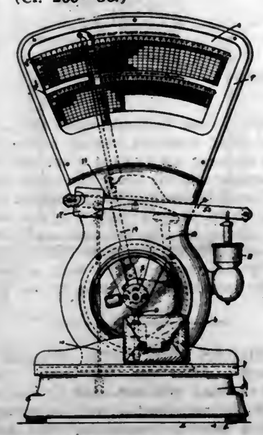
at its opposite ends for engaging and separating two cross chains, and a single spring snap member for simultaneously closing all of such hooks.

1,486,994. SIGNAL FOR WEIGHING SCALES. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Oct. 13, 1917. Serial No. 196,514. 3 Claims. (Cl. 177—311.)



2. In a device of the class described, in combination a frame, a vertically-adjustable frusto-conical contact member suspended therefrom, a contact plate having an oval opening of greater diameter than that of said contact member loosely surrounding said contact member, an indicating device, and an electric circuit for operating said indicating device and including said contact member and said contact plate.

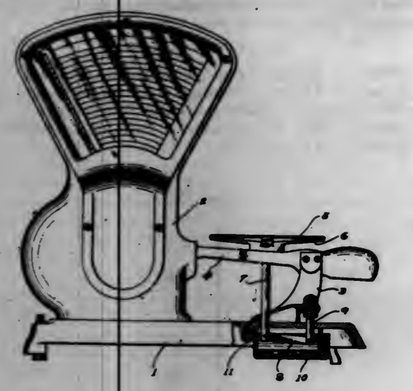
1,486,995. AUTOMATIC COMPUTING SCALE. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Oct. 7, 1918. Serial No. 257,091. 10 Claims. (Cl. 265—36.)



1. In a scale, in combination, a plurality of concentrically arranged and stationary weighting and computing

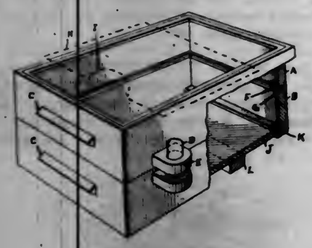
charts, each having a plurality of concentric rows of graduations, the graduations in each row on each of the inner charts succeeding the graduations in a corresponding row of the next outer chart.

1,486,996. OIL CONTAINER. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Oct. 19, 1921. Serial No. 508,901. 4 Claims. (Cl. 265—27.)



1. In a weighing scale, in combination, a base, check link mechanism located below said base, and a receptacle surrounding said check link mechanism and adapted to hold oil.

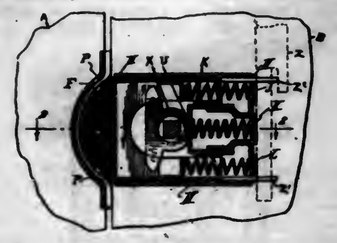
1,486,997. MOLDER'S FLASK. MICHAEL M. WAGNER, Baltimore, Md. Filed Mar. 25, 1920. Serial No. 368,647. 3 Claims. (Cl. 22—96.)



1. In a molder's flask, in combination with complementary cope and drag members having rectangularly disposed interior surfaces, cleats fixed about the inner edges of the drag member slightly above the lower edges thereof, a bottom board whose possible movement toward the upper portion of the flask is limited by the engagement of said cleats against its edge portions, said bottom board and its attached parts being of such total thickness that its displacement relatively to the drag member cannot occur until the intentional emptying of the flask is begun.

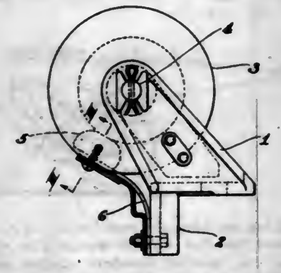
1,486,998. VEHICLE DOOR LOCK. WILLIAM R. WILEY, Detroit, Mich. Filed Oct. 26, 1921. Serial No. 510,575. 6 Claims. (Cl. 292—169.)

1. In a lock, in combination with a spring-projected latch member, a lubricant-containing filler for the forward end thereof, adapted to supply a film of lubricant over the engaging surface of the latch end, and a complementary keper member having its engaging face



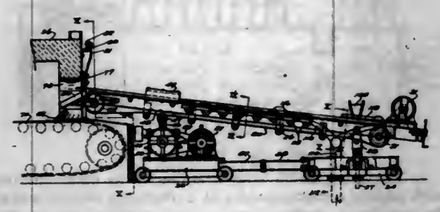
grooved in a plurality of directions whereby said latch member when seated therein is held against undesired working either horizontally or vertically.

1,486,999. TROLLEY CONTACT. ALONZO W. WILLIAMS, Bolivar, Pa. Filed May 4, 1923. Serial No. 636,573. 1 Claim. (Cl. 191—61.)



The combination of a trolley harp, a trolley wheel journalled in said harp and having a groove in the periphery thereof, a contact block seated in said groove and being correspondingly shaped therewith and contacting against said groove in its entirety, the said contact block being held in said groove by an arm substantially rigid and non-flexible.

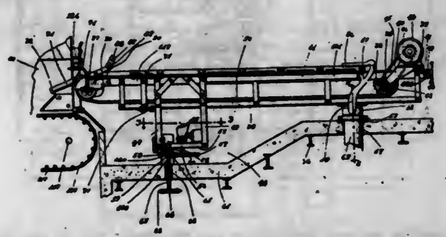
1,487,000. CONVEYING MECHANISM. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed Nov. 21, 1921. Serial No. 516,518. 18 Claims. (Cl. 198—29.)



1. In a device of the class described the combination with a leer of an endless conveyer exterior of the leer, a frame on which said conveyor is supported, said frame mounted to swing about a vertical axis adjacent one end thereof, means to oscillate said frame horizontally about said axis, and means to adjust one end of said frame vertically and thereby vary the inclination of said conveyor.

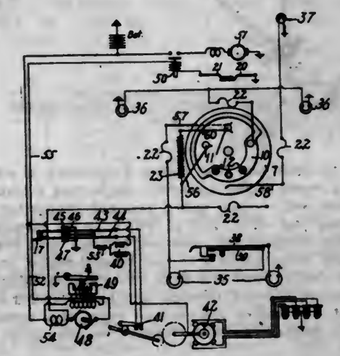
18. The combination of a leer, a conveyor for bottles, means for moving the conveyor longitudinally through the leer, a second conveyor located upon the exterior of the leer and adapted to deposit bottles in a pile upon the first conveyor.

1,487,001. APPARATUS FOR RECEIVING GLASSWARE. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed June 3, 1922. Serial No. 565,732. 13 Claims. (Cl. 198—31.)



1. In a device of the class described the combination with a pivotally mounted frame and an endless belt movable upon the frame, of a mechanism to oscillate the frame about its pivotal mounting comprising a platform mounted on the frame, a bar over which the platform may move, an arcuate rack mounted on the bar, a motor mounted on the platform, a shaft mounted on the platform having a driving connection with the motor, a gear carried by the shaft engaging the arcuate rack, and means to reverse the motor at the limits of oscillation of the frame.

1,487,002. AUTOMOBILE SWITCH. JAMES L. ADAMS, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1914. Serial No. 860,614. 18 Claims. (Cl. 171—97.)

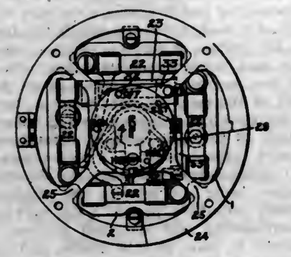


1. In an electrical system, the combination with a lighting circuit and an ignition circuit and circuit-controlling devices therefor, each comprising relatively movable contact members, one of said devices having a plurality of operative positions in which corresponding combinations of contact members are in engagement, of means for locking said circuit-controlling devices, and a single member for effecting the actuation of said devices and the locking of said devices in their respective adjusted positions when said one device is in any of its several operative positions.

8. The combination with a plurality of electrical circuits of a motor vehicle, of a unitary switch mechanism for controlling said circuits, said mechanism having a plurality of operative positions and comprising locking mechanism and a single key member for effecting the actuation of said switch mechanism and the locking of said switch mechanism in said positions.

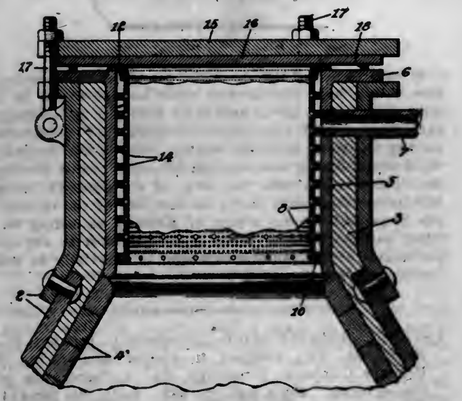
11. The combination with a lighting system comprising the head, side and tail lights of a motor vehicle and a resistor, of a unitary mechanism comprising an actuating member which operates, according to its position, to effect the connection of the head lights and tail light in circuit with the head lights in parallel relation, the connection of the head lights in series relation and maintain the tail light connections, the connection of all of said lights in circuit and the connection of the side and tail lights in circuit with said resistor.

1,487,003. AUTOMOBILE SWITCH. JAMES L. ADAMS, Jr., Milwaukee, Wis., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Original application filed Sept. 8, 1914, Serial No. 860,614. Divided and this application filed Jan. 30, 1923. Serial No. 615,864. 20 Claims. (Cl. 200—44.)



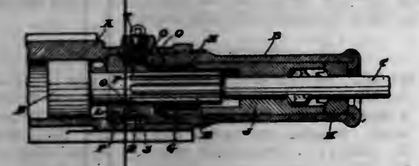
1. In a lighting and ignition switch, the combination with a plurality of circuit-controlling devices each comprising relatively movable contact members, one of said devices having a plurality of operative positions in which corresponding combinations of contact members are in engagement, of a single member for actuating said devices and for locking them in their respective adjusted positions when said one device is in any of its several operative positions.

1,487,004. STRAINER FOR PULP DIGESTERS. CARLTON H. ALLEN, Glens Falls, N. Y., assignor of one-half to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed Jan. 18, 1922. Serial No. 530,139. 5 Claims. (Cl. 92—7.)



1. A strainer for pulp digesters and the like comprising a hollow sheet metal body perforated to form a screen, and a series of supporting studs projecting from the periphery of said screen.

1,487,005. OILING DEVICE FOR ROCK DRILLS. LEWIS C. BAYLIS, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 28, 1923. Serial No. 628,172. 2 Claims. (Cl. 184—25.)



1. In a rock drill, the combination with the cylinder and reciprocating piston having a forward extension, and front cylinder washer through which the forward extension of the piston passes, an external circumferential groove in said washer communicating with the moving parts of the machine, of an oiling device for the front end parts of the machine, comprising a flat ring of absorbent material lying in and having substantially the same width as the said external circumferential groove in the front cylinder washer, a pocket being formed in the front cylinder washer beneath the absorbent material, and a space being left between the absorbent material and cylinder forming a pocket, a flat apertured metallic holder surrounding said absorbent material for holding said material in place in said groove, and means on the machine for supplying lubricating material to said groove.

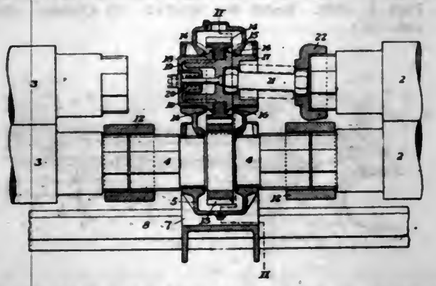
1,487,006. CASE. GEORGE S. BEMIS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 18, 1919. Serial No. 271,787. 2 Claims. (Cl. 206—9.)



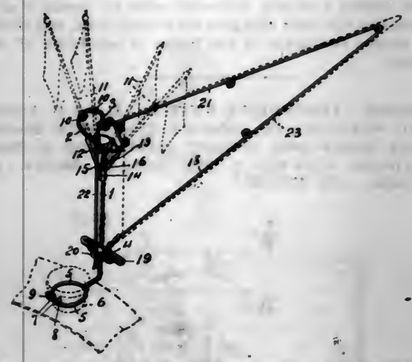
1. In a device of the character described, the combination with a body portion and cover section united by a continuous hinge, one of said parts having a lip reversely extending around the hinge, of means for resiliently holding the parts in closed relation, said means comprising a single spring wire member having a looped portion bent substantially into the form of a shepherd's crook and interlocking with the lip on one side of the continuous hinge and having a pair of laterally extending terminal portions secured to the opposed member on the opposite side of the continuous hinge, substantially as and for the purpose described.

1,487,007. ROLLING MILL. FLORENCE C. BIGGERT, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1922. Serial No. 586,914. 6 Claims. (Cl. 80—54.)

5. In a rolling mill, a two-high roughing stand, a two-high finishing stand, said stands being positioned side by side in end-to-end relationship, a housing intermediate said stands, a spindle journaled in said housing and connecting the lower rolls in the respective stands, a sleeve journaled in said housing, means forming a driving connection between said sleeve and the upper roll of one of said stands, and means for frictionally driving said sleeve from said spindle, substantially as described.

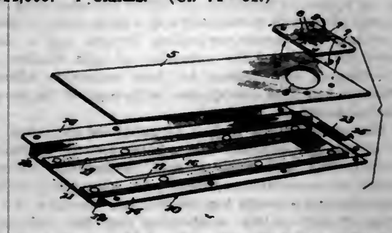


1,487,008. COMBINATION PENNANT AND FLAG HOLDER. WILLIAM L. BLACK, Kansas City, Kans. Filed Oct. 9, 1922. Serial No. 593,171. 4 Claims. (Cl. 248—37.)



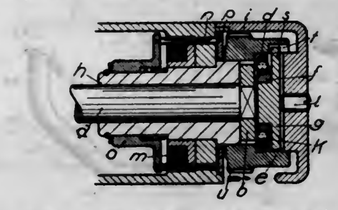
1. A pennant and flag holder comprising a standard having a recess facing upwardly and having a transverse hole below said recess, and a pennant supporting member having two arms, one of which at its forward end has a loop adapted for insertion through said hole, the other arm being adapted to rest in said recess and provided at its forward end with an extension adapted to be releasably inserted through said loop forward of said standard, for holding the pennant supporting member in operative position on said standard, substantially as set forth.

1,487,009. DUSTGUARD CASE FOR AUTOMOBILES. ALBERT HAROLD BLUM and DANIEL TIMOTHY SHANAHAN, Greenville, Miss. Filed June 7, 1923. Serial No. 644,000. 4 Claims. (Cl. 74—81.)



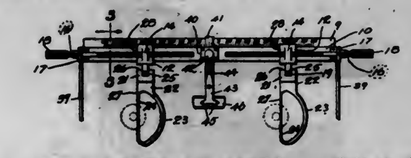
1. In a device of the class described, the combination of a floor board of an automobile provided with a slot, a lever operable in said slot, a guard comprising a plate provided with an opening to receive the lever, means mounted on the plate adjacent the opening engageable with the lever for sealing the opening in the plate, and a guide secured to the floor board to receive the plate and guide it in its oscillating movement.

1,487,010. FRICTION CLUTCH. JACQUES BOHLI, Solothurn, Switzerland, assignor to the Firm Scintilla, Solothurn, Switzerland. Filed Dec. 22, 1922. Serial No. 608,551. 3 Claims. (Cl. 192—30.)



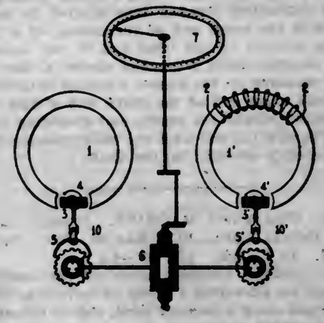
1. In a friction clutch for short periods of working, the combination with a rotary driving shaft, of a rotary driving clutch element connected thereto, an axially slidable rotary driven clutch element, an axially slidable rotary ball bearing ring, a non-slidable rotary ball bearing ring, balls located between said two ball-bearing rings, and positive driving means for carrying said balls roundidly so long as the clutch is open, whereas by applying axially directed pressure to said axially slidable clutch element, said axially slidable ball-bearing ring will be caused to slide and jam said balls against said non-slidable ball bearing ring, whereby said two rings and said balls and said driven clutch element will be carried round by the driving shaft, thus closing the clutch.

1,487,011. OPTICAL INSTRUMENT. WILLIAM H. BROWN, St. Louis, Mo. Filed July 22, 1922. Serial No. 576,800. 8 Claims. (Cl. 33—200.)



1. An optical instrument comprising a plate, a slide bar secured to said plate and spaced apart therefrom. slides mounted on said bar, means for operating said slides independently and slide frames having a relatively narrow vertical strip secured to said slides.

1,487,012. CALLING ARRANGEMENT FOR SIGNALING. HENRI CHIRBIX, Paris, France. Filed Aug. 29, 1921. Serial No. 496,669. 9 Claims. (Cl. 250—2.)



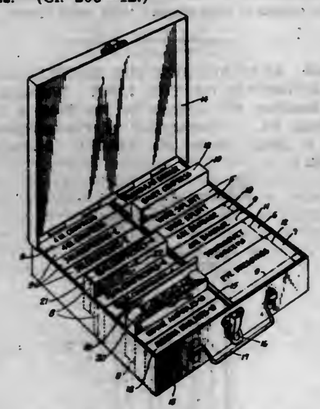
1. A calling arrangement for signaling comprising two normally isochronous pendulums, means actuated by said calling signals for accelerating one of said pendulums and an indicating device actuated by differential movement of said pendulums.

1,487,013. DIAPHRAGM FOR SOUND-RECORDING AND SOUND-REPRODUCING INSTRUMENTS. WILLIAM ERNEST CLIFTON, Nottingham, England, assignor to Cliftophone Limited, London, England. Filed Nov. 12, 1921. Serial No. 514,591. 3 Claims. (Cl. 181—32.)



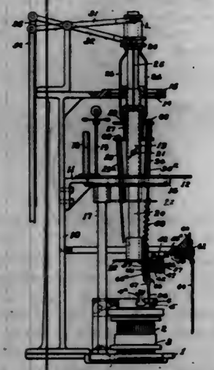
1. A composite diaphragm of the kind described, comprising an elongated stiffening blade extending lengthwise along a diameter of the diaphragm and enclosed between two sheets of flexible material, one of which constitutes the main diaphragm disc and the other constitutes a cover sheet for the stiffening blade and is shaped to conform to the contour of said blade and to overlap the margins thereof.

1,487,014. FIRST-AID KIT. FRANK R. DAVIS, Scarsdale, N. Y. Filed Mar. 8, 1923. Serial No. 623,639. 3 Claims. (Cl. 206—12.)



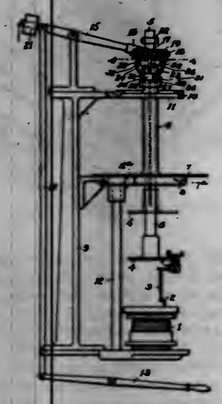
1. First aid for industrial emergency use comprising first aid remedial devices, substantially rectangular containers for the same of substantially equal depth, some of a predetermined unit width and others a multiple of that unit width, said first aid devices varying in character but collectively designed to meet the hazards ordinarily encountered in the special industry for which the kit is intended and being packed according to size and shape, either one or a number in a unit or multiple unit size packet, said packets having quickly releasable closures and bearing on the fronts of the same legends designating the character and articles contained, a carrying case of substantially the same depth as the packets and of a length substantially equal to a multiple of the unit packet width to thereby hold a stack of the unit and multiple unit packets closely confined therein with their front ends all exposed and fully accessible, said case having a cover overlying the entire set of contained packets to thereby hold them confined in stack formation with the closures secured against accidental opening and said cover being held to the case by a readily releasable fastening permitting the cover to be quickly opened and the articles needed for special emergencies to be instantly sighted and used.

1,487,015. STRIPING ATTACHMENT FOR CIRCULAR-KNITTING MACHINES. WILLIAM L. LENGEL, Reading, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed Mar. 13, 1922. Serial No. 543,142. 20 Claims. (Cl. 66—12.)



6. In a striping attachment for circular knitting machines comprising a thread-carrier finger having a universal-joint suspension point, means for imparting intermittent needle-engaging swings to the free end of said finger comprising a cam having finger-engaging cam surfaces in constant engagement with said finger.

1,487,016. SEATING LOCK FOR KNITTING-MACHINE ATTACHMENTS OR THE LIKE. WILLIAM L. LENGEL, Reading, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1922. Serial No. 549,584. 8 Claims. (Cl. 66—12.)



1. In a device of the character described, a fixed part, an axially movable part arranged to seat thereon, a clamping device for locking said movable part when seated, and a relatively movable clamp actuating device carried by one of said parts and operated by the seating and unseating movements.

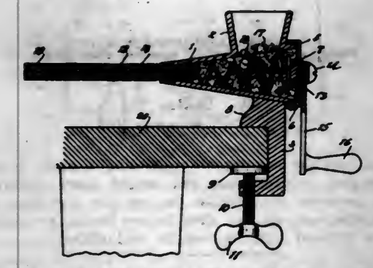
1,487,017. CURTAIN ROD. BERT HENRY LILJA, Geneseo, Ill. Filed Jan. 11, 1922. Serial No. 528,382. 3 Claims. (Cl. 156—19.)

1. A fixture of the character described comprising a bracket adapted to be secured to a window casing or the like and having an outstanding arm, and a curtain rod comprising two complementary longitudinal sections, one of which comprises a portion pivotally attached at one end to the outstanding arm of the bracket, said portion having a socket in its inner side at a point adjacent to said bracket arm, and a portion merged into the first portion at an obtuse angle to the latter, the other of said rod sections comprising a portion connected with the second portion of the first rod section in axial alinement therewith, a second portion extending from the first portion of the said second rod section at an angle equal to



the angle of divergence of the portions of the first rod section and a third portion extending from the end of the second portion of the second rod section at such an angle as to position said third portion in a vertical plane extending at right angles to the vertical plane of the connected together portions of the two rod sections, and an elongated spring member attached at one end to said bracket arm and engaging at its free end with said socket to releasably hold said curtain rod in the position aforesaid.

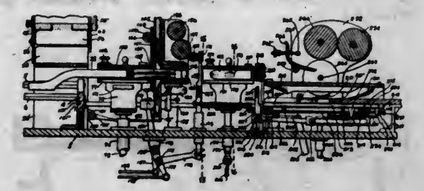
1,487,018. CIGARETTE-MAKING MACHINE. FLORIAN V. LINDSEY, Winnipeg, Manitoba, Canada. Filed Aug. 1, 1922. Serial No. 578,964. 2 Claims. (Cl. 131—5.)



2. In a cigarette making machine, the combination with a cone shaped casing, having a filling opening therein and a cylindrical forming tube secured to and continuous with the small end of the casing, of a cap demountably secured to the large end of the casing and provided centrally with a bearing sleeve, a short shaft rotatably mounted on the sleeve, a handle detachably secured to the outer end of the shaft, and a wire feeding coil contained within the casing and extending into the tube and having the end next the shaft passing through a cross opening provided in the shaft.

1,487,019. WRAPPING MACHINE. JOAQUIN ALEMANY LOPEZ, Habana, Cuba. Filed May 20, 1921. Serial No. 471,137. 11 Claims. (Cl. 93—4.)

1. In a package wrapping machine, the combination with means for advancing a group of articles in one general direction along a primary level, thence to and along a secondary level, and thence to and along a tertiary level, of primary folding means for initially applying a wrapper to said group while in transit along said secondary level, secondary folding means for partially wrapping said group while in transit from said secondary

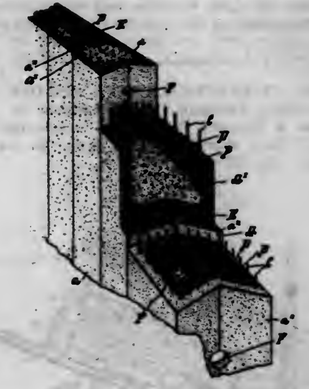


level to said tertiary level, and tertiary folding means for completing the wrapping of said group while in transit along said tertiary level.

1,487,020. OXIDATION PROCESS. ALWIN MITTASCH, ERNST WILLFROTH, and OTTO BALZ, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of Germany. Filed Apr. 24, 1922. Serial No. 556,327. 3 Claims. (Cl. 260—138.)

1. The process of oxidizing organic compounds in a gaseous state catalytically with oxygen carrying gases, characterized by the use of a catalyst comprising an oxid of boron.

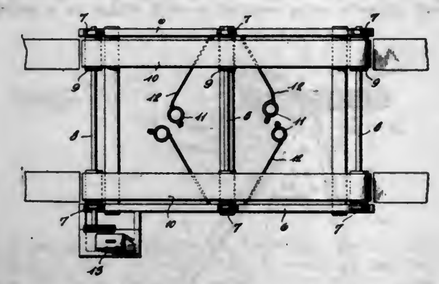
1,487,021. REENFORCED-CONCRETE CONSTRUCTION. LUTHER S. MUNSON, Washington, D. C. Filed Apr. 17, 1920. Serial No. 374,722. 9 Claims. (Cl. 61—53.)



1. A reenforced concrete wall comprising a series of contiguous piles, each formed of a reenforced hollow shell provided with openings registering with the openings of the adjacent pile when in the assembled relation, and with a monolithic concrete mass filling the central portions of adjacent piles and projecting from one pile to another through said openings and forming a concrete bond tying said piles together, the whole forming a substantially monolithic structure.

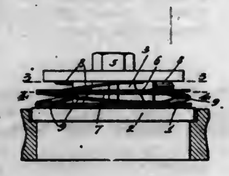
1,487,022. MEANS FOR STARTING AUTOMOBILE ENGINES. PAUL RABIDEAU, Clifton, Ill. Filed Feb. 5, 1923. Serial No. 616,982. 2 Claims. (Cl. 74—106.)

1. Means for starting an automobile engine comprising a pair of substantially horizontally disposed belts on the opposite ends of which the rear wheels of the automobile whose engine is to be started, and another driving



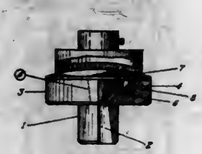
automobile, may be placed, and means to hold the two automobiles on the belts.

1,487,023. VALVE. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, a Corporation of Virginia. Filed Apr. 13, 1920. Serial No. 373,610. 10 Claims. (Cl. 251—119.)



1. The combination with a plate valve, of an abutment, and springs intermediate the abutment and the valve and bearing against the valve at a considerable distance from its center for holding the valve against its seat, some of the springs providing small resistance to the opening movement of the valve and the other springs providing large resistance thereafter.

1,487,024. LENS-GRINDING LAP. ERDIS G. ROBINSON, Columbus, Ohio. Filed Jan. 15, 1920. Serial No. 351,545. 5 Claims. (Cl. 51—209.)

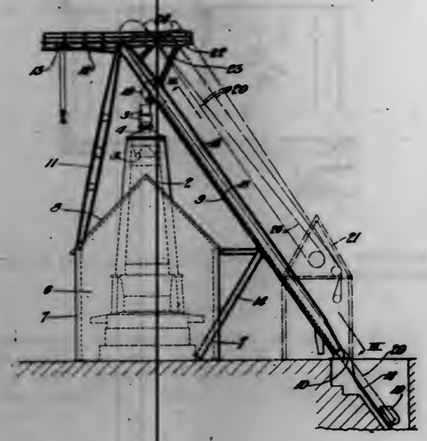


1. A lens grinding lap comprising a body portion, a removable grinding surface element, a centering stud on the base of said element, and an intermediate stud on the base of said element, said body portion having sockets for said studs.

1,487,025. INCLINED FURNACE HOIST. GEORGE H. ROSE, Ben Avon, Pa. Filed Jan. 16, 1923. Serial No. 613,002. 3 Claims. (Cl. 214—19.)

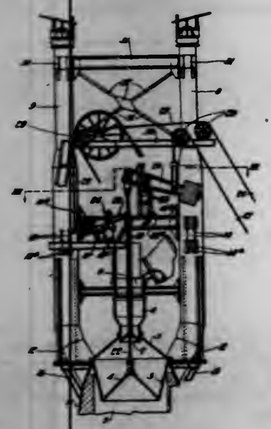
1. The combination with a blast furnace, of an inclined permanent skip hoist or bridge extending upwardly along and over the top of said furnace, said bridge having a cantilever upper end extending beyond the

furnace on a line at right angles to the vertical axis of the furnace forming a crane runway, and suitable upright supports on opposite sides of said furnace, one of said supports being secured to said bridge at a point



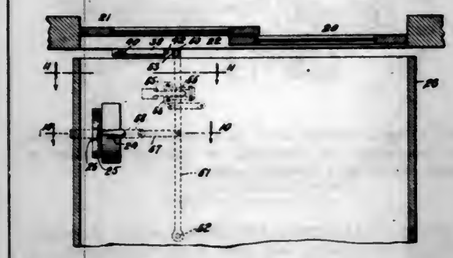
intermediate its ends and the other of said supports being secured to the bridge adjacent its upper end, said supports extending upwardly from bases free of said furnace.

1,487,026. BLAST FURNACE. GEORGE H. ROSE, Ben Avon, Pa., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Jan. 16, 1923. Serial No. 613,003. 4 Claims. (Cl. 266—31.)



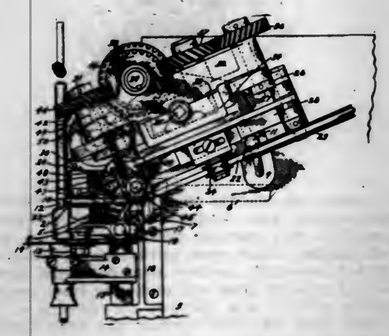
1. The combination with a blast furnace having a plurality of bleeder pipes extending upwardly therefrom, a charging hopper and bell, of girder members arranged transversely of and secured to said bleeder pipes, and means for supporting and operating said bell mounted on said girders.

1,487,027. SAFETY MECHANISM FOR ELEVATOR-SHAFT DOORS. ALBERT J. ROSENTRETER, Boonton, N. J., assignor to Frank E. Hutchins, New York, N. Y., and Edgar Zabriskie, Maplewood, N. J. Filed June 12, 1922. Serial No. 567,748. 14 Claims. (Cl. 187—49.)



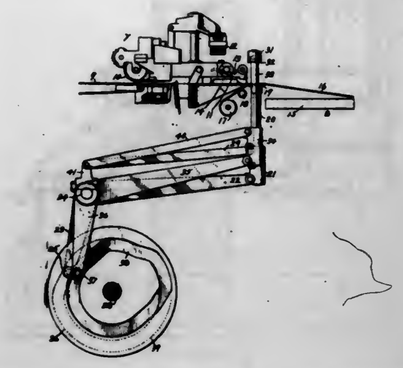
5. Safety mechanism for elevator shaft doors and elevator cars, as in claim 1, in which the locking means on the car comprises a pivoted bar supported horizontally below and from the bottom of the car and carrying on its free end said shoe member, means limiting the movement of said bar, a pivoted weighted dog supported from the bottom of the car and engaging said bar and yieldingly retaining said bar in normal position and returning the same after operation to such position, a vertically movable locking rod to engage said car control mechanism when the same is in neutral position and means intermediate said bar and rod for operating the rod from said bar.

1,487,028. CIGARETTE-MACHINE CUT-OFF. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Mar. 24, 1922. Serial No. 546,331. 8 Claims. (Cl. 131—37.)



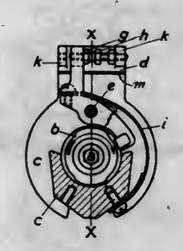
1. In a cigarette cutoff mechanism, the combination with a cigarette rod guide, of a flying frame, a cutoff knife carried by said frame, and means for moving said frame in an orbit oblique to said guide.

1,487,029. CIGAR-BUNCH-ROLLING-MECHANISM CHARGER. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 19, 1923. Serial No. 625,998. 12 Claims. (Cl. 131—39.)



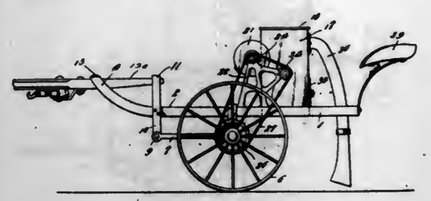
1. In a cigar machine, the combination with long-filler feeding means, of bunch rolling means including a charge rolling element, and means for moving said element to cause it to act as an extension of said feeding means.

1,487,030. INTERRUPTER IN IGNITION APPARATUS FOR INTERNAL-COMBUSTION ENGINES. JACQUES SCHNEIDER and FREDESIC BILLON, Solothurn, and ERNST HURLIMANN, Zuchwil, Switzerland, assignors to the Firm Scintilla, Solothurn, Switzerland. Filed Aug. 22, 1919. Serial No. 319,229. 1 Claim. (Cl. 200—30.)



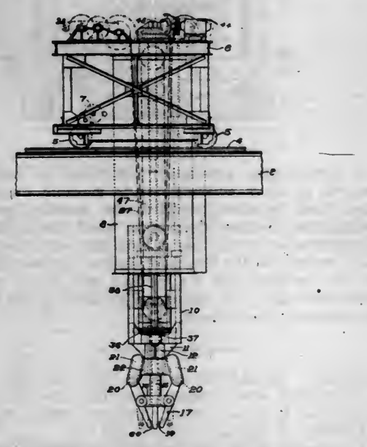
A circuit breaker for the primary winding of a magneto arranged to allow of operation in both directions of rotation, including a main supporting case symmetrical about a vertical plane, a rotary cam adapted to rock a pivoted lever carrying a contact, two symmetrically disposed seatings carried on said main case and insulated therefrom, a second contact adapted to be fitted to either of said seatings at will and coacting with the first mentioned contact in such a manner that the point of contact is in a definite position in the said vertical plane for both directions of rotation, a spring attached at one end to said pivoted lever and at its other end to one of a pair of symmetrical seatings on the main supporting case, and a single pivot on which the said pivoted lever rocks for both directions of rotation of the cam, said pivot being fixed to the main casing in the said vertical plane of symmetry.

1,487,031. BOLL-WEEVIL MACHINE. ENOCH SHADLE, McCrory, Ark. Filed Jan. 2, 1923. Serial No. 610,135. 1 Claim. (Cl. 43—140.)



A boll weevil collecting and destroying machine comprising a wheel mounted frame, a receptacle mounted upon the frame, collecting nozzles connected with upper portion of the receptacle, means for exhausting air from the receptacle and located at the side therof opposite the side at which the nozzles communicate with the receptacle, an inclined screen located within the receptacle and disposed between the collecting nozzle and the air exhausting means, a trough located in the lower portion of the receptacle and having synclined side sections and provided between the said side sections with a semi-cylindrical foraminous section, a rotary member journaled above the cylindrical section of the bottom of the trough and having blades adapted to engage the upper surface of the trough and means for rotating said rotary element.

1,487,032. COMBINED SOAKING-PIT, TWISTING AND STRIPPER CRANE. MILO SHUTT, Alliance, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a Corporation of Ohio. Filed Feb. 17, 1920. Serial No. 359,249. 11 Claims. (Cl. 22—95.)

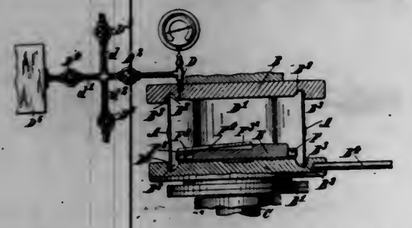


1. A crane comprising hoisting means, twisting means, stripping means operable independently of said twisting means, and mechanism for operating any of said means at will, substantially as described.

1,487,033. APPARATUS FOR MAKING THE COVERS OF PNEUMATIC TIRES. THOMAS SLOPER, Devizes, England. Filed Feb. 12, 1920. Serial No. 358,216. 21 Claims. (Cl. 154—10.)

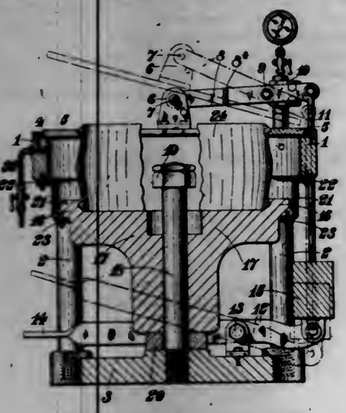
1. In tire-shaping apparatus, the combination of two side plates adapted to make fluid-tight joints with the

two edges of a flat endless tire band and to form therewith a drum-shaped chamber, which plates are so ar-



ranged as to enable one plate to move towards and away from the other, and means for establishing a fluid pressure within said chamber, substantially as described.

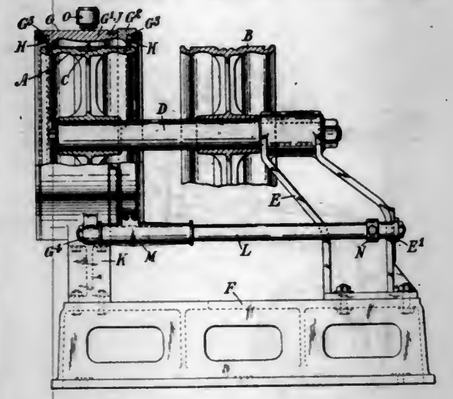
1,487,034. APPLIANCE FOR THE MANUFACTURE OF PNEUMATIC TIRES. THOMAS SLOPER, Devizes, England. Filed June 17, 1921. Serial No. 478,320. 11 Claims. (Cl. 154—10.)



1. Tire-shaping apparatus comprising in combination opposed members whereof one is movable towards and away from the other provided with annular lips for engaging the exterior edges of a "flat" tire-band and so constructed as to provide a fluid-tight chamber between them exterior to the tire-band whereof one wall is formed by the tire-band and the opposed wall has a relatively collapsible part, and means for exhausting the air from the chamber thus formed.

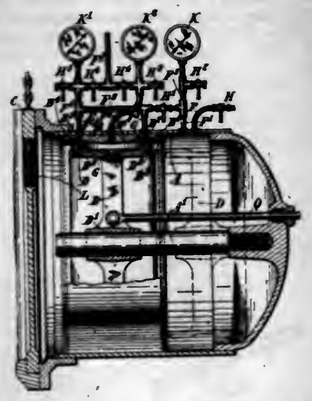
1,487,035. APPARATUS FOR USE IN THE MANUFACTURE OF RUBBER GOODS. THOMAS SLOPER, Devizes, England. Filed Jan. 11, 1923. Serial No. 611,993. 7 Claims. (Cl. 18—2.)

1. Apparatus for manipulating expansible "flat" endless bands comprising in combination a support-member for the band having an annular face whereof the general axial direction is parallel to a throughway axis thereof, a co-operating member divided circumferentially and having an annular face whereof the general axial direction is parallel to a throughway axis thereof, which members are of such diameter that one can slide axially within and out of the other, radially disposed flexible sealing-lips, one at each edge of the co-operating member on opposite sides of the dividing plane, arranged to bear against and seal with the edge-portions of the band on the support, which co-operating member is divided circumferentially between said sealing lips into two parts whereof one is movable towards and away from the other guiding means for guiding the movable part of said co-operating member axially in relation to the other,



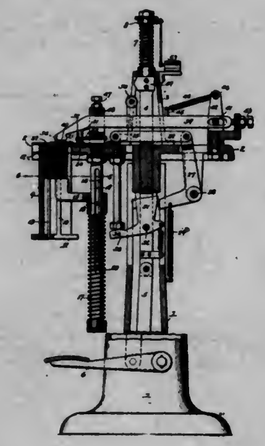
and sealing-means for making a fluid-tight joint between the circumferentially divided parts of the co-operating member, substantially as set forth.

1,487,036. APPARATUS FOR USE IN THE MANUFACTURE OF RUBBER GOODS. THOMAS SLOPER, Devizes, England. Filed Jan. 11, 1923. Serial No. 611,994. 10 Claims. (Cl. 18—2.)



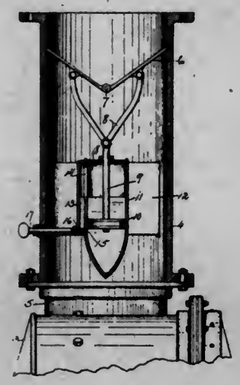
1. In apparatus for manipulating expansible "flat" endless bands, the combination of a support having an annular face for carrying a band, a co-operating member having an annular face arranged to receive the band from said support, two annular sealing lips carried on said member, one at each edge thereof, and arranged to make sealing contact with the edge portions of the band on the said support and thereby form a cavity whereof the said band constitutes a flexible wall, a chamber so disposed in relation to said member, said support and the band on the latter that the annular joint along an edge of the band between the band and its support is exposed to the interior of the chamber, and means for raising the pressure within said chamber above atmospheric pressure so as to force the band away from said support into said cavity, substantially as set forth.

1,487,037. APPARATUS FOR MARKING LAUNDRY. MORRIS T. SOUTHWICK, Hasbrouck Heights, N. J., assignor to Joseph H. Lynch, Asbury Park, N. J. Filed Nov. 27, 1922. Serial No. 603,595. 11 Claims. (Cl. 93—87.)



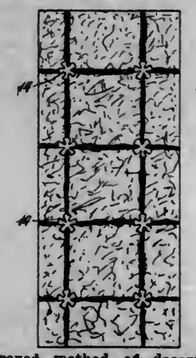
1. In a machine for affixing tags which have a clasp and sliding lock the combination of means for holding the tag with means for closing the clasp and sliding the lock.

1,487,038. DEVICE FOR CONTROLLING VALVE MOVEMENTS IN PRESSURE APPARATUS. IRA H. SPENCER, Hartford, Conn., assignor to The Spencer Turbine Company, West Hartford, Conn., a Corporation of Connecticut. Filed Jan. 5, 1920. Serial No. 349,033. 14 Claims. (Cl. 251—124.)



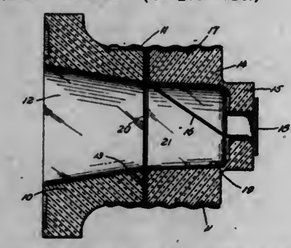
1. A valve casing, a housing located in said casing in the path of flow of fluid through said casing, a piston within said housing, a piston rod secured to said piston, a valve mounted on a pivot extending transversely to the direction of movement of said piston, means for varying the degree of equalizing movement of the pressure medium to opposite sides of the piston, and a pivotal connection between said rod and valve.

1,487,039. ART OF DECORATING WALLS, ETC. MAX SUHR, West Palm Beach, Fla. Filed June 29, 1923. Serial No. 648,478. 3 Claims. (Cl. 41—26.)



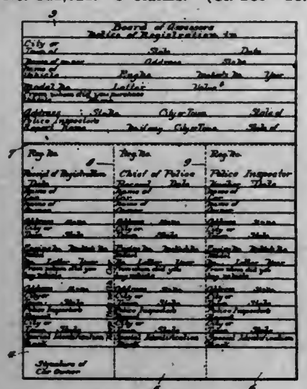
1. The improved method of decorating walls, etc., which consists in applying the decorating material and then forming the desired design thereon by applying the desired color and rolling the same in different directions.

1,487,040. FUSE. JOHN A. THAKE and CHRISTIAN H. TORP, Brooklyn, N. Y. Filed Mar. 25, 1922. Serial No. 546,692. 4 Claims. (Cl. 200—130.)



1. In a renewable fuse plug a recessed body, a removable fuse element container and a partitioning element disposed intermediate said body and forming with said container a relatively restricted air chamber in which the fusible element is enclosed.

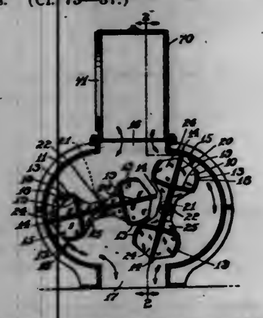
1,487,041. MEANS FOR PREVENTING VEHICLE THEFTS AND RECOVERY OF STOLEN VEHICLES. BENJAMIN F. TOZIER, Lynn, Mass. Filed Oct. 28, 1921. Serial No. 511,022. 3 Claims. (Cl. 283—18.)



1. A registration sheet having appropriately designated spaces for the name of the owner of a car and

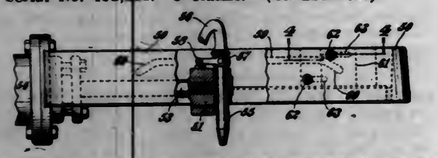
other data concerning said car, a corresponding sheet for the assessors bearing corresponding data, and a sheet for the use of an automobile bureau bearing co-related data, each sheet having an appropriately designated space for the signature of the party by whom the car is inspected, and coupons with data co-related to said sheets.

1,487,042. GAS METER. JOHN T. WILKIN, Connersville, Ind. Filed Aug. 18, 1922. Serial No. 582,660. 23 Claims. (Cl. 73—37.)



1. A gas meter, comprising two rotatable interengaging lobed impellers, a casing in which said impellers are mounted, means whereby said impellers are interconnected to rotate in opposite directions, and registering mechanism operatively connected to an impeller to be operated thereby, each of said impellers comprising skeletons having outwardly opening pockets at the tip ends and at the waist.

1,487,043. WELDING METHOD AND APPARATUS. FLOYD S. YOUTSEY, Collinsville, Ill., EDWARD C. WALKER, St. Louis, Mo., and ASHELEIGH S. MOSES, New York, N. Y. Original application filed Mar. 22, 1916, Serial No. 85,795. Patent No. 1,371,833, dated Mar. 15, 1921. Divided and this application filed Mar. 10, 1921. Serial No. 451,221. 8 Claims. (Cl. 113—59.)



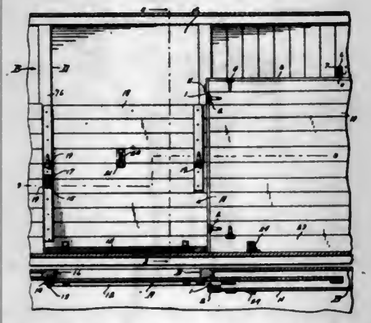
1. The method of welding a seam, comprising, impinging a welding flame upon the material at the seam, traversing the flame along the same while such flame is maintained at a normal intensity, and automatically reducing the flame below normal intensity when it reaches and impinges the material near the end of the seam.

1,487,044. ELLIPSOGRAPH. JOSEPH BARACH, Chicago, Ill. Filed Jan. 3, 1923. Serial No. 611,521. 5 Claims. (Cl. 33—30.)



1. An ellipsograph comprising a bar, a flexible scriber-guiding member, a pair of holders for said member adjustably supported by the bar, and a scale bar removably and adjustably supported by the first-mentioned bar to extend transversely and project from one side thereof, said scale bar having means for temporary attachment to its extremity of that portion of the scriber-guiding member which is located between the aforesaid holders.

1,487,045. SLIDING DOOR. JOHN L. BISHOP, Beetown, Wis. Filed Feb. 14, 1923. Serial No. 619,025. 3 Claims. (Cl. 20—31.)

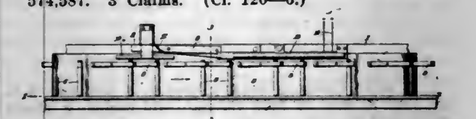


1. In combination with a wall provided with an entrance opening, a housing associated with said wall at one side of and adjacent to the entrance opening, the end of the housing adjacent to the opening being open, a sliding door for said opening, said door being of a length materially in excess of the width of the opening, an end portion of the door being arranged at all times within the housing, said portion of the door being provided with hangers at longitudinally spaced points, a trackway within the housing with which the hangers engage for supporting the door in its entirety for sliding movement into either open or closed position with respect to the entrance opening, said door when closed being entirely confined within the housing, the portion of the door extending across the entrance opening when the door is in closed position comprising a section adapted to swing in a direction away from the wall to open a portion of the entrance opening when the door is in closed position, and means for holding said section against swinging movement.

1,487,046. PROCESS OF RECOVERING VARIOUS SALTS FROM SALINE LIQUORS. GEORGE B. BURNHAM, Borosolvay, Calif. Filed June 16, 1919. Serial No. 304,500. 5 Claims. (Cl. 23—22.)

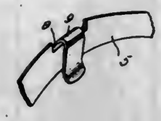
1. The process of recovering borax from aqueous solution containing borax and potassium chloride which consists in cooling the solution to crystallize out potassium chloride, removing the solution from the deposited crystals and exposing the brine to cold weather until borax crystallizes out.

1,487,047. ENVELOPE-CLOSING MACHINE. FRANK CLARKE, Waco, Tex. Filed July 12, 1922. Serial No. 574,587. 3 Claims. (Cl. 120—6.)



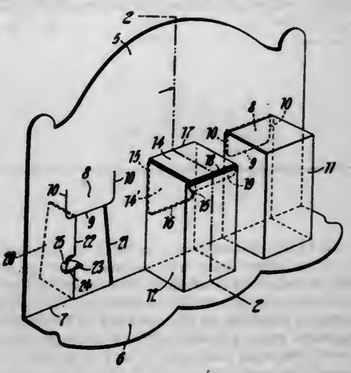
1. In an envelope closing device, a conveyor, pockets formed thereon for receiving the envelopes, a spring strip secured to the conveyor in rear of each pocket and having its forward end provided with a part to enter the pocket so as to press upon the envelope therein, said spring strip moving outwardly away from the conveyor when the same pass over the supporting rollers to facilitate the placing of the envelope in the pocket at the forward roller and for automatically discharging the envelope at the rear roller.

1,487,048. COAT-COLLAR SPRING. JOHN J. DEVLIN, Princeton, N. J. Filed Aug. 30, 1923. Serial No. 660,100. 1 Claim. (Cl. 2—63.)



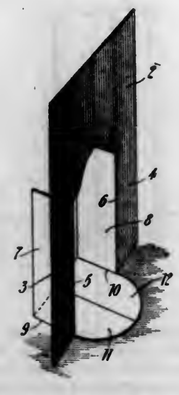
A coat collar spring comprising a strip of metal adapted to be positioned beneath the collar of a coat for holding the latter down and retaining the coat with its edges in adjacent relation, said spring having crossed ends, and means adapted for attachment to the body of the coat beneath the collar thereof and for loosely engaging the central portion of the spring and from which said spring is manually releasable for maintaining the spring against accidental displacement upwardly or from beneath the coat collar, said last named means comprising a downwardly facing U-shaped clip, and the central portion of the spring being provided with an elongated notch in its upper edge engaged by the clip, said notch being greater in length than the width of the clip for permitting limited lateral shifting of the spring relative to said clip.

1,487,049. DISPLAY DEVICE. ADOLPH DIETSCHE, Jr., New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Mar. 7, 1922. Serial No. 541,851. 3 Claims. (Cl. 211—24.)



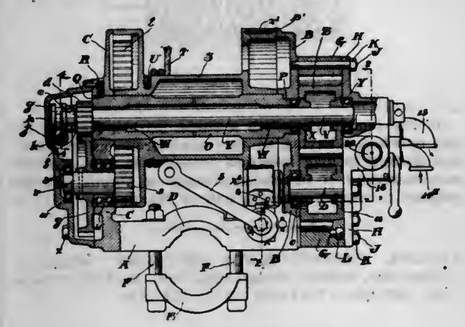
1. In a display device formed unitary from a sheet of material the combination of a wall portion and a base portion, a folding line in said sheet connecting said portions, a downreaching wing formed from said wall, the lower edge of said wing being spaced apart from said folding line, and an easel portion formed from said wall between said wing and folding line and articulated to said wall along a line approximately normal to said folding line, the width of said easel portion being less than the width of said wing.

1,487,050. DISPLAY DEVICE. ADOLPH DIETSCHE, Jr., New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed June 28, 1922. Serial No. 571,550. 5 Claims. (Cl. 211—24.)



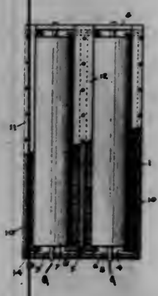
1. In a display device of sheet material the combination of an upstanding wall having opposite downwardly reaching legs, a wing articulated to the inner edge of each of said legs, and a base portion articulated to the bottom edge of each of said wings.

1,487,051. ROTARY-GEAR-MOTOR HOIST. JESSE DITSON, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 20, 1921. Serial No. 486,099. 1 Claim. (Cl. 254—187.)



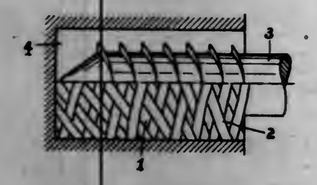
In a hoist, the combination of a base plate, an end frame carried by the base plate, a hollow center bearing supported at one end in said end frame, means for supporting the opposite end of the center bearing, a flanged drum rotatable on said center bearing and having one of its ends closed by said end frame, a motor cylinder secured directly to said end frame, an outer head secured to said cylinder and closing the outer side thereof, a drum driving shaft having bearings in the outer head, end frame and center bearing, means for operatively connecting the drum with said shaft, a motor for operating said shaft comprising a pair of gears, one of said gears mounted on the driving shaft, a relatively short driving shaft having a bearing at one end in the end frame and supported at the outer end in the cylinder head, a gear mounted on said short driving shaft meshing with said first mentioned gear, and a valve in the outer head for controlling the supply and distribution of motive fluid to said motor.

1,487,052. ERASER. DANIEL ENOMOTO, Berkeley, Calif. Filed Sept. 21, 1922. Serial No. 589,509. 2 Claims. (Cl. 15—210.)



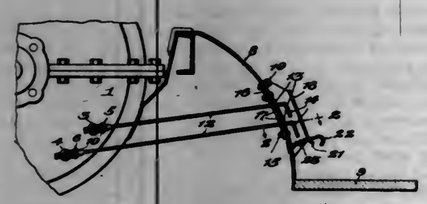
1. An eraser comprising a body member having a recess therein, a cylindrical erasing member rotatable in the recess and a brush within the recess having its bristles contacting with the periphery of said erasing member.

1,487,053. FIXING BLOCKS FOR MASONRY. ADALBERT BÉLA FELDMAR, Berlin, Germany. Filed Feb. 2, 1922. Serial No. 533,698. 3 Claims. (Cl. 72—101.)



1. The combination with a stone, marble, glass or the like foundation having an aperture therein, of an elastic and flexible tubular insertion arranged in said aperture and consisting of interlaced strands of fibrous material adapted to receive a screw, nail or the like.

1,487,054. PROTECTOR FOR OIL COCKS. ROBERT O. FERGUSON, Bristol, Tenn. Filed Nov. 20, 1922. Serial No. 602,198. 7 Claims. (Cl. 137—139.)



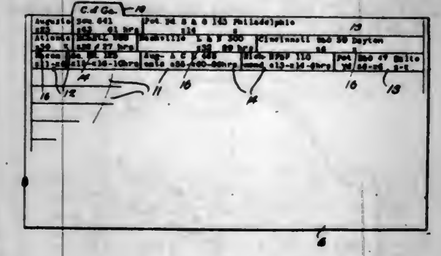
2. In a device of the class described, the combination of a pet cock, a rod extending therefrom through an opening in the fender plate, and a cover hinged to said plate and arranged to enclose and lock the outer end of said rod.

1,487,055. WATER HEATER. WELBORN CLAY GARNER, Seattle, Wash. Filed Dec. 23, 1922. Serial No. 608,743. 7 Claims. (Cl. 219—39.)



1. A water heater comprising a boiler, a tapered supporting member on the bottom of the boiler, a tapered casing supported from the supporting member being spaced therefrom by an air space, and a heating element within the casing.

1,487,056. MEANS FOR APPORTIONING LIABILITY. JAMES D. GILL, Baltimore, Md. Filed Apr. 23, 1923. Serial No. 634,029. 5 Claims. (Cl. 283—32.)

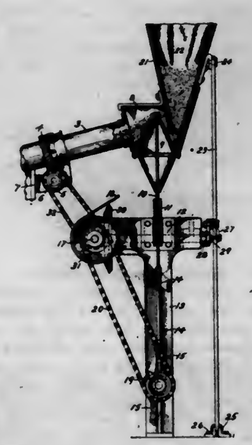


1. In an index system for a railroad of destination, a plurality of members each having means for identifying a railroad of origin, one member being provided for each railroad of origin, each member containing the designation of an ultimate junction on the railroad of destination, an initial junction point on each railroad of origin being displayed on the member belonging to said railroad of origin, there being designations on each member indicating the route between said initial junction point and the ultimate junction point on said member and the distance between the junction points.

1,487,057. BONDING MATERIAL. ELWOOD GOSSETT, Winnipeg, Manitoba, Canada. Filed Feb. 9, 1922. Serial No. 535,387. 4 Claims. (Cl. 106—24.)

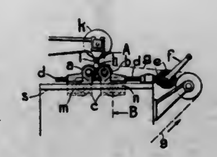
1. The herein described bonding material consisting of bentonite, sulphate of copper and powdered iron rust mixed in water, to which is added a solution of salt water.

1,487,058. TOBACCO FEED. GEORGE W. GWINN, Brooklyn, N. Y., assignor, by mesne assignments, to American Machine & Foundry Company, a Corporation of New Jersey. Filed Aug. 13, 1921. Serial No. 492,208. 21 Claims. (Cl. 83—44.)



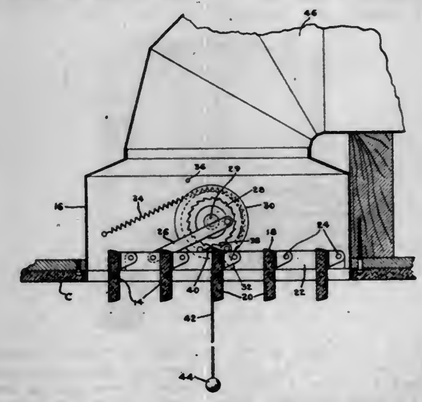
1. In a tobacco feed, the combination with a source of tobacco supply, of a delivery chute leading therefrom, and means acting on the tobacco in said source to toss it into said chute.

1,487,059. WINDING MACHINE FOR THE MANUFACTURE OF INSULATING TUBES, HOLLOW INSULATING CYLINDERS, AND THE LIKE. EMIL HAEFELY, Basel, Switzerland. Filed Oct. 25, 1919. Serial No. 333,343. 2 Claims. (Cl. 93—81.)



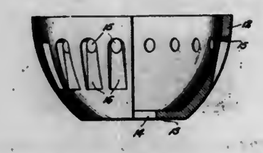
1. A winding machine for the manufacture of insulating tubes, insulating hollow cylinders and the like for electrotechnical purposes from a band of fibrous material supplied with an agglutinant, comprising two freely rotatable and horizontally adjustable heating cylinders, bearing slides for supporting and guiding the same in horizontal direction, a freely supported driven rotary winding mandrel between the said heating cylinders capable of free elevation to wind the band upon it and to frictionally rotate said heating cylinders, a freely rotating heavy pressure cylinder, a freely rotating smaller intermediate pressure cylinder arranged to transmit the pressure of said heavy cylinder onto the winding mandrel, and positively acting common adjusting means connected with said bearing slides to move gradually and simultaneously the heating cylinders apart from each other during the winding operation, substantially as and for the purpose described.

1,487,060. REGISTER FOR HOT-AIR FURNACES. DANIEL HANDELAN, Minneapolis, Minn. Filed Mar. 14, 1922. Serial No. 543,619. 3 Claims. (Cl. 98—89.)



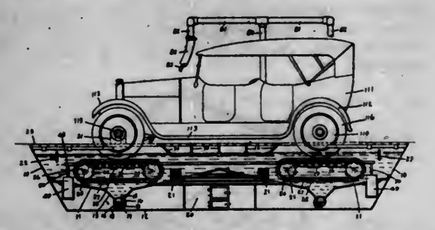
1. A register for hot air furnaces comprising a plurality of louvers having pockets filled with plastic material whereby the register when closed presents a substantially unbroken continuation of the adjacent wall surface.

1,487,061. PUMP-CYLINDER PROTECTOR. LUM M. HEFLIN, Sonora, Tex. Filed Feb. 17, 1923. Serial No. 619,611. 1 Claim. (Cl. 103—202.)



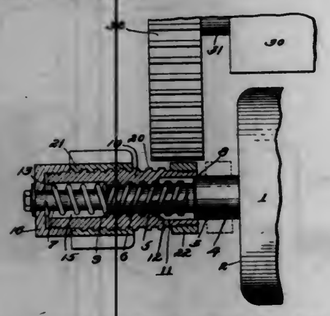
A pump cylinder protector including a protector body engageable with the pump piston rod, said protector being of semi-spherical configuration and provided with an annular series of openings adjacent its upper margin each of which communicates with a water passageway in the outer face of the body, substantially as described.

1,487,062. WASHING MACHINE FOR VEHICLES. JOHN T. HOHL, Indianapolis, Ind. Filed Sept. 9, 1921. Serial No. 499,436. 6 Claims. (Cl. 141—1.)



1. A washing machine for automobiles having vehicle wheels and including in combination a tank, movable vehicle supporting means and movably mounted, mechanism for moving said supporting means to immerse the vehicle wheels in the tank, and power means for moving said supporting means to rotate the vehicle wheels within the tank.

1,487,063. ENGINE STARTER. JESSE A. HOLTON, Boston, Mass., assignor, by mesne assignments, to The First National Bank of Boston, trustee, a Corporation. Filed Oct. 26, 1918. Serial No. 259,866. 7 Claims. (Cl. 74—7.)



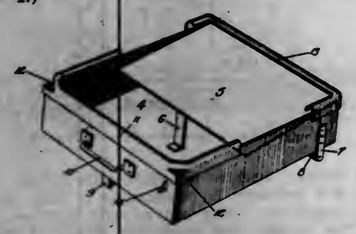
1. In a starting device, the combination with a member to be driven, of a driving member with an exteriorly threaded portion, a sleeve threaded thereon and having an exteriorly threaded portion, and a pinion threaded on said sleeve, the thread on the pinion and the thread on the exteriorly threaded portion of the sleeve being relatively so constructed and arranged as to oppose the vibratory shifting of the pinion into contact with the driven member.

1,487,064. SEWING-MACHINE SHUTTLE. EDGAR D. HUME, Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed July 28, 1922. Serial No. 578,030. 3 Claims. (Cl. 112—233.)



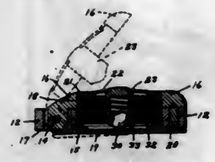
1. In a sewing machine shuttle, the combination with a body including a side portion, a circular curb, a central post, and means adapted to confine a bobbin on the post and adjustable to and from operative position, of a sleeve adapted to be positioned about the inner end of the post, a disk fitted on the sleeve and free to move longitudinally thereof, a stop detachably engaged with the post between the outer end thereof and said sleeve, and a spring interposed between the disk and side portion of the shuttle body, the stop limiting outward movement of the disk under pressure of the spring and the sleeve at the inner end of the post providing an abutment limiting inward movement of the stop.

1,487,065. REFRIGERATOR DRIP PAN. GEORGE FALCONER IRONS, Regina, Saskatchewan, Canada. Filed July 6, 1922. Serial No. 573,138. 4 Claims. (Cl. 220—1.)



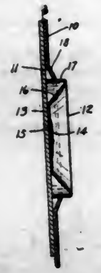
1. A liquid container comprising a casing having an inclined top extending between the side walls from a position intermediate of the length of the casing to one end wall thereof, said casing having discharge orifices in the vicinity of the other end wall, a roller journalled under the bottom of the casing in the vicinity of one end and means for supporting the other end of the casing so that the bottom is substantially horizontal.

1,487,066. SEWING-MACHINE SHUTTLE. HENRY G. JOHNSON, East Hampton, Conn., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed June 21, 1922. Serial No. 569,888. 2 Claims. (Cl. 112—233.)



1. A shuttle having a bobbin chamber, a frictional element at one end of the chamber, a pressure-supporting element at the opposite end of the chamber, a bobbin engaging post having a bore closed at one end and open at the opposite end, said open end being contracted, a disk fixed to the closed end of the post and bearing on said frictional element, a spring within the post seated on the closed end thereof, and a ball yieldingly held by said spring against the contracted end of the bore, a portion of the ball normally projecting from the post and being adapted to roll on said supporting element.

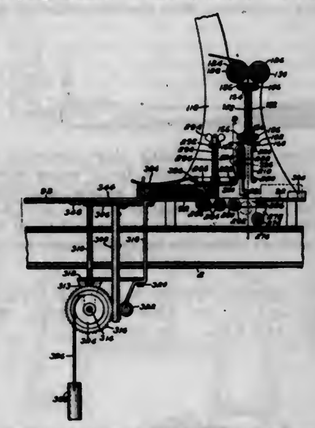
1,487,067. ATTACHING BUTTON. RANDALL H. JONES, Indianapolis, Ind. Filed Apr. 12, 1923. Serial No. 631,528. 3 Claims. (Cl. 40—20.)



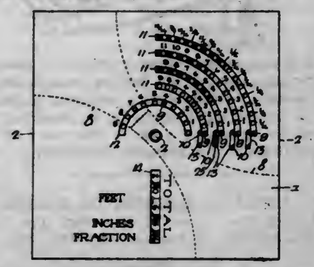
1. The combination with an object, of a plate having an aperture therein to which plate said object is to be secured, said aperture being surrounded by an inwardly extending bent portion for providing an engaging and securing edge, a securing button having a central portion secured to said object, an outwardly flared skirt portion formed integral therewith, and a peripheral flange portion turned inwardly from the outer periphery of said skirt portion, said flange portion being of substantially the same diameter as said aperture for causing a close fit therewith and of such depth as to permit of frictional engagement and be securely held in fixed position by the surrounding and engaging edge of the bent portion of said plate.

1,487,068. SLICING OR CUTTING MACHINE. FREDERICK XENOPHON KUHN, Brookline, Mass., assignor to Mojonnier Bros. Co., a Corporation of Illinois. Filed May 10, 1920. Serial No. 380,194. 21 Claims. (Cl. 93—2.)

1. In a machine of the class described, in combination, wrapping means comprising a paper supply; means to feed paper from said paper supply; cutter means spaced from said paper feeding means to sever a section of paper from the paper fed by said feeding means; actuating means for said cutter means; guiding means to guide the paper from said feeding means to said cutter means; paper clamping means; actuating means therefor; guiding means for the paper intermediate said cutter means and said clamping means; and means to wrap a severed section of the paper about a piece of the material to be wrapped.

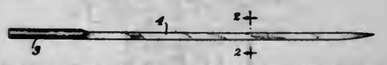


1,487,069. ADDING MACHINE. JOHN L. LANDENBERGER, Philadelphia, Pa. Filed Mar. 14, 1921, Serial No. 452,379. Renewed July 12, 1922. Serial No. 574,544. 8 Claims. (Cl. 235—78.)



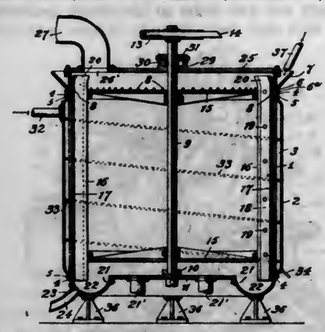
1. In a machine of the type specified, a plurality of superimposed discs diminishing in diameter toward the top, each of said discs having a series of apertures in that portion extending beyond the edge of the overlying disc, and each of said discs overlying the bottom disc having a series of recesses at the edge corresponding with its said apertures.

1,487,070. IMPALING PIN FOR MACHINES FOR REMOVING CIGAR BUNCHES FROM MOLDS. JAMES W. LEARY, Brooklyn, N. Y., assignor to International Cigar Machinery Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 20, 1921. Serial No. 508,964. 4 Claims. (Cl. 131—9.)



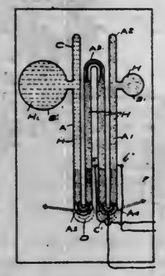
3. An impaling pin for machines for removing cigar bunches from molds said pin having a round supporting section and an effective section which is triangular in cross-section and adapted to lift the bunch from the mold by the engagement with the bunch of one of the flat surfaces of said pin, the edges of the triangular section of said pin being coincident with the periphery of its round section.

1,487,071. MACHINE FOR TREATING MATERIALS. MAY C. MABEE, Toledo, Ohio. Filed Sept. 11, 1915. Serial No. 50,224. 4 Claims. (Cl. 159—1.)



1. In an apparatus for treating liquids or substances containing liquid the combination of a substantially vertically disposed cylindrical container, means for heating the wall of the container, said container having at one end adjacent the periphery thereof an inlet and an outlet adjacent the opposite end, means co-operating with said surface whereby the material to be treated from its point of introduction to its discharge is permitted to move circumferentially and longitudinally of the container while maintained in film or layer formation adjacent the inner surface of said wall of the container, and said container having an opening in opposite ends thereof for the free escape of vapors and gases from the central space within the film or layer.

1,487,072. AUTOMATIC THERMOMETRIC REGULATOR. ROBERT MACLAREN, Culross, Scotland. Filed Dec. 23, 1921. Serial No. 524,553. 2 Claims. (Cl. 200—141.)

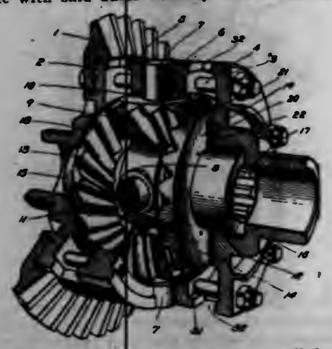


1. An automatic regulator of the class described comprising a double U-shaped tube and having a bulb or sphere forming part of one of the U-shaped tubes, the other U-shaped tube being also provided with a small sphere or bulb branching therefrom the extreme ends of both being sealed, terminals mounted in the lower ends of one of the U-shaped tubes the switch ends of the tubes being filled with mercury, the remaining space in the leg of the tube together with large sphere being filled with glycerine or other suitable fluid, while the remainder of each set, and axle-engaging means carried by the refilled with nitrogen or other inert gas.

1,487,073. DIFFERENTIAL GEARING. ANDOR T. NOGRADY, Wyandotte, Mich., assignor to Nogrady Differential Company, Wichita, Kans., a Corporation of West Virginia. Filed Mar. 17, 1921. Serial No. 453,050. 6 Claims. (Cl. 74—99.)

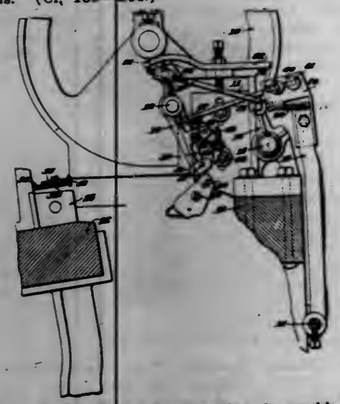
1. In a differential gearing, a driving member including a housing, pinion gears mounted in the housing, cooperating driven gears within the housing and meshing

with the pinion gears, the driven gears and the housing having sets of co-operating clutch faces, there being lubricating ducts between the driven gears and the housing for each set, and ports in the driven gears to communicate with said ducts whereby relative movement be-



tween the driving gears and driven gears will force lubricating material through the ports and into the ducts to supply lubricant between the co-operating clutch faces of each set, and axle-engaging means carried by the respective driven gears.

1,487,074. THREAD-PARTING MECHANISM FOR WEFT-REPLENISHING LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Feb. 25, 1919. Serial No. 279,096. 12 Claims. (Cl. 139—264.)



1. A weft replenishing loom having, in combination, a bobbin changing mechanism, a lay, a shuttle feeler having a thread parting mechanism mounted thereon provided with a cutting knife having provision to be opened to engage the filling thread by the bobbin changing mechanism when replenishment is indicated independently of movement of the shuttle feeler, an actuating device mounted on the lay for actuating the thread parting mechanism to cause the knife to sever and to hold the filling thread.

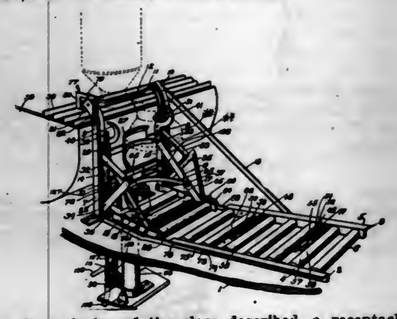
1,487,075. FALSE-TOOTH CLEANER. HENRY H. OLSON and JENNIE E. STEVENS, Ben Lomond, Calif. Filed Aug. 18, 1923. Serial No. 658,139. 1 Claim. (Cl. 132—90.)

A false tooth cleaner comprising a handle; a plurality of bristles secured upon opposite sides of the handle adjacent one end thereof, the bristles upon one side being short and stiff and the bristles upon the opposite side being relatively long and flexible for cleaning the outer and inner sides respectively of a plate of false teeth; a cleaning element pivotally mounted upon the opposite end of the handle, said element having a blunt scoop shaped end adapted to clean the concavities of the plate;



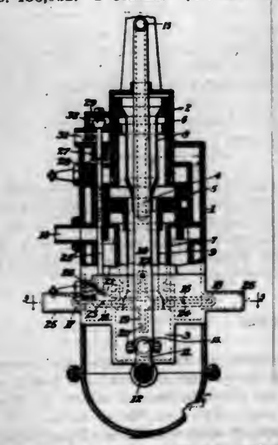
and a sharp pointed cleaning blade pivotally mounted adjacent the cleaning element for cleaning between the teeth of the plate, the cleaning element and blade being normally folded into inoperative position within recesses formed within the end of the handle and being independently movable to outwardly extending operative positions.

1,487,076. CAN-EMPTYING MACHINE. FRANK PIGLEY, Kansas City, Mo. Filed Apr. 2, 1921. Serial No. 457,859. 17 Claims. (Cl. 214—1.)



1. In a device of the class described, a receptacle-receiving carriage, means for feeding receptacles to said carriage, means for imparting a swinging motion to the carriage to invert the receptacles to dumping position, and means for causing a vertical movement of the carriage in addition to its swinging movement.

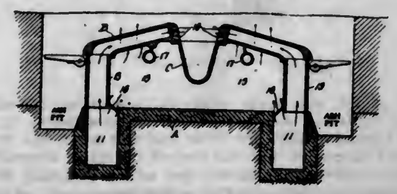
1,487,077. INTERNAL-COMBUSTION ENGINE. THEODORE PRATT, Glen Cove, N. Y. Filed Jan. 10, 1921. Serial No. 436,032. 2 Claims. (Cl. 123—90.)



1. The combination with a cylinder equipped with the usual coacting parts of a connecting rod which extends longitudinally adjacent to the exterior of the cylinder,

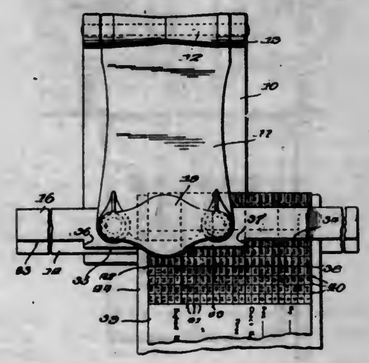
an exposed cross head on the outside of the cylinder arranged to slide transversely of the cylinder, means on the connecting rod which engage with the cross head and reciprocate it during the movements of the connecting rod, a cam like surface on the cross head, an exposed vertically movable rod on the exterior of the cylinder moved by its intermittent engagement with said cam and a valve which controls the admission of the power generating medium to the cylinder actuated by the vertical movements of said rod.

1,487,078. UNDERFEED STOKER FURNACE. JOSEPH H. ROACH, Brookline, Pa.; Walter T. Roach executor of said Joseph H. Roach, deceased. Filed Aug. 20, 1920. Serial No. 404,738. 1 Claim. (Cl. 110—47.)



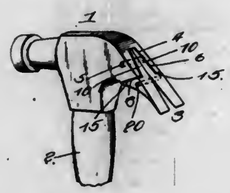
In a furnace a rigid foundation, an elongated retort a low pressure chamber beneath the retort, grates at opposite sides of the retort each comprising spaced hollow grate-bars open at both ends, said grate-bars communicating at one end with the retort, high pressure chambers in the foundation parallel to said retort and open at the top, conduits supported at the outer side of said high pressure chambers and extending nearly across the same whereby passages are provided leading to a low pressure chamber beneath the grates and the retort, said conduits opening at their upper ends into said grate-bars, and pivoted dampers extending parallel to said retort between the adjacent inner walls of the conduits and the high pressure chambers respectively, substantially as set forth.

1,487,079. COMBINED SHEET SEVERING AND FASTENING DEVICE. GEORGE B. STILLWAGON, Redstone Township, Fayette County, Pa. Filed June 26, 1923. Serial No. 647,885. 12 Claims. (Cl. 93—1.)



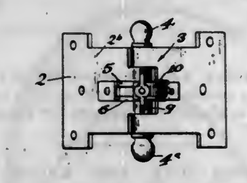
1. In a device of the class described, in combination, opposed members mounted for relative movement in approaching and retreating directions to closed and open positions and adapted in closed position to engage and hold between them a plurality of superposed sheets of paper or the like, paper fastening mechanism carried by said members, and a paper severing edge upon one of said members.

1,487,080. CLAW HAMMER. ROBERT G. THOMPSON, Seattle, Wash., assignor to Charles W. Nelson, King County, Wash. Filed Mar. 10, 1923. Serial No. 624,194. 2 Claims. (Cl. 254—24.)



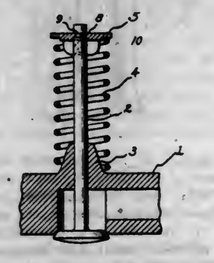
1. A claw hammer comprising a head formed with a recess having upwardly converging side walls, a pair of claws having tongue extensions, the said extensions together forming a projection adapted to seat in said recess with its relatively outer walls conforming to the shape of the side walls of the recess, a pivot pin passed through the walls of said recess and through said tongues, and a guide pin passing through the claws forwardly of the tongues and permitting said claws to move laterally relative to each other while preventing other relative movement of the claws.

1,487,081. REVERSIBLE LOCK HINGE. FRED B. WALTS, Los Angeles, Calif. Filed Sept. 1, 1922. Serial No. 585,644. 3 Claims. (Cl. 16—140.)



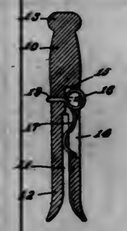
1. An invertible and reversible hinge comprising a pair of pivotally connected plane leaf members, curved, nesting elements respectively carried by the hinge leaves and being arranged concentric to the axis of the hinge, and means cooperating with the said elements for fastening the hinge leaves in adjusted position.

1,487,082. SPRING-RETAINING DEVICE. ROY E. WOLTKAMP, Kansas City, Kans. Filed Jan. 3, 1923. Serial No. 610,480. 2 Claims. (Cl. 251—132.)



1. A spring retaining device comprising a pair of members hingedly connected together and each member having a semi-circular notch in its inner edge for receiving the valve stem, said notches having semi-annular shoulders for engaging the groove in the stem.

1,487,083. CLOTHESPIN. RALPH H. ZIMMERMANN, Lincoln, Nebr. Filed Feb. 5, 1923. Serial No. 617,004. 4 Claims. (Cl. 24—138.)



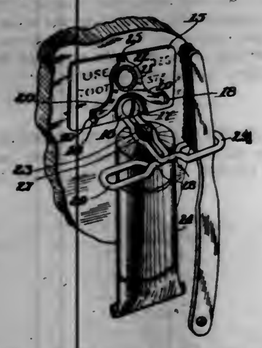
1. A clothes pin comprising a body porvided at one end with a slot defining spaced legs upon opposite sides thereof, one of said legs being longitudinally slotted near its inner end and a combined reinforcing and retaining means encircling the body.

1,487,084. COMBINATION RACK AND BED. ROBERT L. ADAMS, Los Angeles, Calif., assignor to (Mrs.) M. J. Beebe, San Bernardino, Calif. Filed Mar. 29, 1923. Serial No. 628,443. 2 Claims. (Cl. 5—119.)



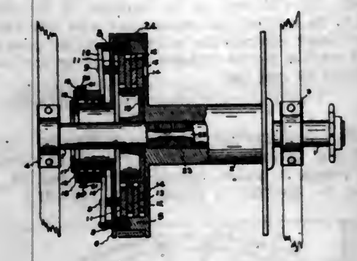
1. In combination, a cot frame and means for securing said frame to a running board, said securing means being provided with a plurality of sockets for alternative use.

1,487,085. PASTE-TUBE AND BRUSH HOLDER. ROBERT K. BLACKSHEAR, Corsicana, Tex. Filed July 27, 1923. Serial No. 654,197. 4 Claims. (Cl. 248—20.)



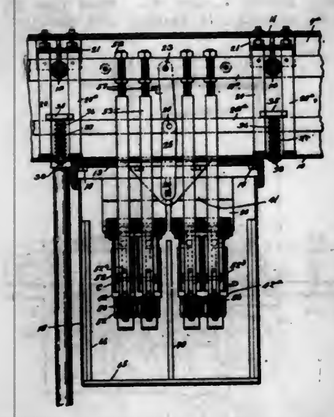
1. A holding device of the character described comprising a plate having an outwardly bent portion through which a screw head may be extended, outstruck ears formed in the plate, arms pivoted on the ears, a closure member carried by the arms, a bracket comprising a single length of resilient metal bent between its ends to form a loop which is disposed beneath the outwardly bent portion so as to be engaged by said screw, jaws extending at an angle from the loop and normally urged to clamping position, and extensions on the jaws overlapping and projecting in opposite directions, said extensions being bent to provide loops for the purpose described.

1,487,086. CLUTCH AND BRAKE COMBINED. WILLIAM LESLIE BRUNER, Wichita Falls, Tex. Filed Nov. 17, 1922. Serial No. 601,566. 1 Claim. (Cl. 192—17.)



A clutch and brake combined, comprising a hollow shaft capped at each end and having holes therein to oil the bearing between the drum and said shaft, the drum having flanges on each end thereof the clutch comprising four or more disks, having two or more of said disks attached to a driving collar, which forms a part of said hollow shaft, and two or more of said disks attached to a clutch housing, which forms a part of said drum, a coil spring, a compressing collar, three or more clutch fingers each having a pin attached thereto, which make contact with the said disks, a spring retaining nut to hold said coil spring in lace, a clutch operating lever to operate said clutch, and the attachments thereto, a brake comprising a brake band surrounding the said clutch housing with one end anchored to a frame by any suitable means, and the other end attached to a brake arm, said brake arm being attached to a clutch and brake lever by means of a rod.

1,487,087. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Jr., Brookline, Mass. Filed June 17, 1918. Serial No. 240,317. 7 Claims. (Cl. 200—150.)



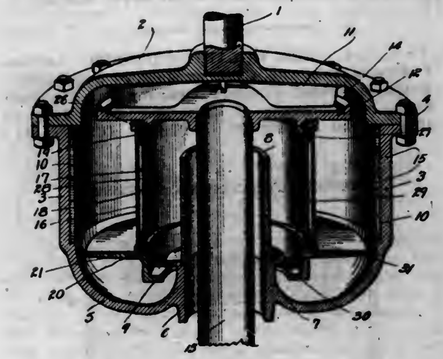
1. In an electric switch, stationary switch members immersed in a bath of oil, a plurality of independent movable switch members arranged to conjointly conduct current between said switch members, and means which admits of the independent adjustment of said movable members from without said bath of oil.

1,487,088. PHONOGRAPH-RECORD HOLDER AND ALBUM. CHARLES C. CASEY, Detroit, Mich. Filed June 24, 1921. Serial No. 480,088. 8 Claims. (Cl. 129—20.)



1. A holder of the type described comprising a back board, a cover, stepped pockets between said back board and cover and having lower open ends, and means closing the lower open ends of said pockets.

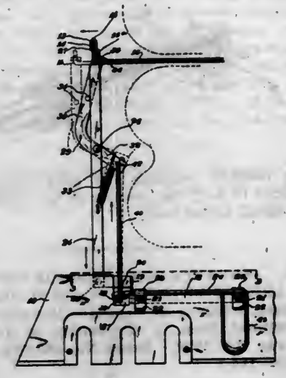
1,487,089. SEPARATOR. WILLIAM C. COLEMAN, Wichita, Kans. Filed Oct. 8, 1923. Serial No. 667,208. 8 Claims. (Cl. 83—67.)



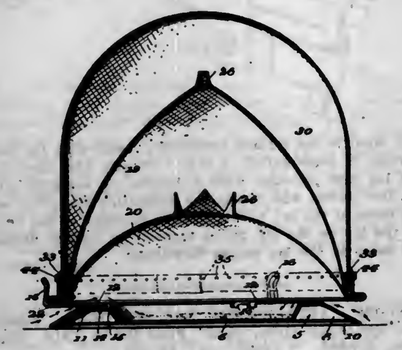
1. A separator including two hollow members, one of which is a rotor and the other a stator, one within the other in spaced relation, a body of mercury in the rotor, means for introducing material to one of the members, means for discharging material from one member to the other member and means for returning some of the material to the first member.

1,487,090. ACCELERATOR. JAMES B. COLLINS, Tulsa, Okla. Filed Feb. 3, 1923. Serial No. 616,726. 7 Claims. (Cl. 74—39.)

1. In combination with a throttle rod having a throttle arm adapted at its free end for engagement with a throttle link, of a support arranged in spaced relation to the throttle arm, a rigid member pivoted at one end to the support and having its opposite end engaged with the throttle link receiving end of the throttle arm to be shifted thereby, a lever pivoted to the member adjacent the last named end thereof and adapted for the reception of the throttle link, means limiting the pivotal movement of the lever in one direction, means connecting the lever and member urging the lever in said direction, a depressible foot pedal, and a connection between the lever and foot pedal shifting the lever against the action of said means when the foot pedal is depressed.



1,487,091. FLYTRAP. FRED DAY, Alcester, S. Dak. Filed Feb. 16, 1922. Serial No. 536,969. 6 Claims. (Cl. 43—118.)

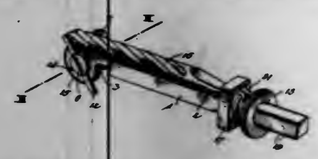


1. A trap comprising a bait receiving pan, a plurality of radially extending arms carried thereby, a base member of annular formation mounted on said arms and having upper and lower sides arranged in spaced relation, inner and outer trapping sections having their lower portions arranged between said upper and lower sides, the lower side of said base being provided with projections engaging the lower portions of said trapping sections, the lower side of said base being extended inwardly for a substantial distance beyond the upper side of the base, thereby to define an annular baffle.

1,487,092. GAUGE. EDWARD R. DINGEL, Detroit, Mich. Filed Dec. 13, 1922. Serial No. 606,591. 1 Claim. (Cl. 33—201.)

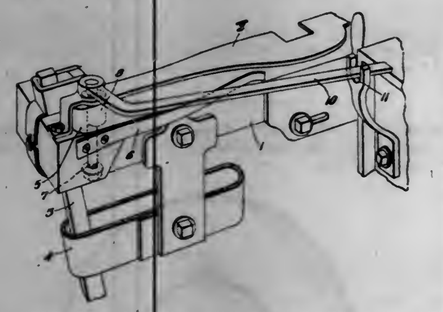
A gauge comprising a shank having a gauge face, said shank having an opening therethrough near one end, a rotatable member mounted for rotation in said opening, said member having a head at one end engaging one face of the shank and having its other end threaded, a nut on the threaded end of said member whereby the rotatable member may be held in any desired position

of angular adjustment, said head having a channel formed therein, a gauge member longitudinally slidable within said channel, and a spring-pressed pin in said



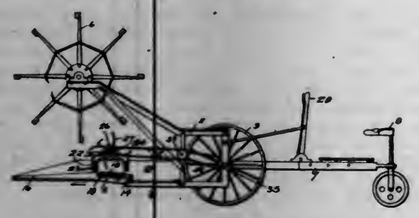
rotatable member engaging the gauge member within said channel to hold the member at any desired position of longitudinal adjustment.

1,487,093. SHUTTLE-BOX TENSION-CONTROLLING MECHANISM FOR LOOMS. CLARE H. DRAPER, Hopedale Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1922. Serial No. 583,782. 3 Claims. (Cl. 139—185.)



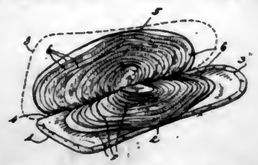
1. Shuttle box tension controlling mechanism for looms having, in combination, a lay, a shuttle box carried by the lay and provided with a binder, an eccentric pivot for the binder, and means for oscillating the pivot with the beats of the lay to increase the pressure of the binder on the lay as the lay moves rearwardly, and to decrease the same as the lay moves forwardly.

1,487,094. ATTACHMENT FOR HEADERS. FRANCIS A. ENGASSER, Helm, Calif. Filed Oct. 2, 1919. Serial No. 327,981. 1 Claim. (Cl. 56—58.)



In an apparatus of the character described means for cutting stalks, means for directing said stalks toward said cutting means, a reel having a plurality of longitudinal blades of curved cross-section arranged above the cutting means for preventing engagement of the lower portions of the stalks with the cutting means and for sweeping the upper ends of the stalks into the cutting means, means for rotating the reel and means for vertically and horizontally adjusting said reel, comprising vertically adjustable U-bars, and bearings for said reel horizontally adjustable on said U-bars.

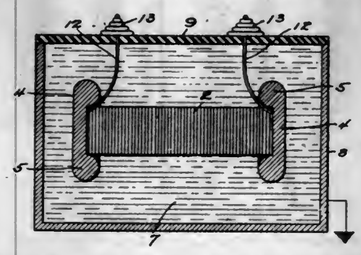
1,487,095. ARCH SUPPORT. JAMES A. FOSTER, Detroit, Mich. Filed Aug. 17, 1922. Serial No. 582,387. 2 Claims. (Cl. 36—71.)



1. An arch support for shoes and the like comprising a top ply and a bottom ply, said plies having an outline conforming substantially to the interior shape of the shank portion of a shoe and extending into the heel portion and forwardly to a line beyond and adjacent to the metatarso-phalangeal joint of the human foot, and a padding between said plies comprising a plurality of leaves, arranged in superposed relation and of different areas and outlines, said leaves being arranged in pairs with one leaf of each pair integral with the other leaf of the pair at one edge, said leaves of each pair being superposed by folding along their integral connecting edge portions with the outer of said plurality of superposed leaves embracing inner leaves, the folded portions connecting the leaves of each pair forming a thickened edge portion for the padding to support the inner longitudinal arch of the foot, and means extending along the line of fold of the several pairs of leaves for securing the pairs of leaves together.

2. An arch support as characterized in claim 1 and wherein said means for securing the several pairs of leaves together comprises a line of stitching extending along the fold of the several pairs of leaves and through said leaves at the longitudinal center line of said fold.

1,487,096. ELECTRICAL CONDENSER. LEONARD F. FULLER, Palo Alto, Calif., assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed June 16, 1919. Serial No. 304,599. 3 Claims. (Cl. 250—41.)



1. In an electrical condenser having a pair of terminal plates, a metallic shield having a surface engaging substantially the entire free surface of one of the terminal plates, said shield having smooth and rounded surfaces only.

1,487,097. DOUBLE PACKER FOR LINERS. THOMAS H. GALLAGHER, Crafton, Pa., assignor to Twin Packer Oil and Gas Company, Pittsburgh, Pa. Filed Feb. 18, 1922. Serial No. 537,500. 3 Claims. (Cl. 166—11.)

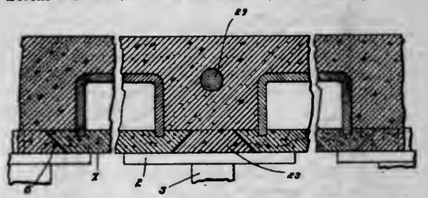
1. In packing means, a plurality of liner sections, packers connecting said sections and having threaded connection with the lower ends of the respective sections, collars threaded on the upper ends of the respective sections and each provided with an inner annular flange cut to provide recesses, each of the packers including a tubular member slidable through said flange, and a collar threaded on the tubular member beneath the flange and having projections adapted for engagement

into said recesses, the connections between the packers and the lower ends of the liner sections and between the collars and the upper ends of the liner sections and the tubular members being similarly threaded, the uppermost packer being adapted at its upper end for reception of



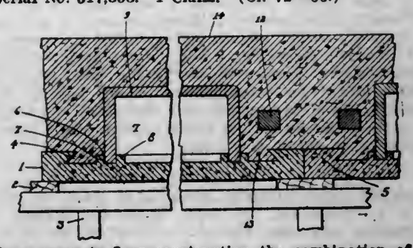
a member threaded oppositely to said connections for lowering the liner and associated parts into a well and disconnecting said oppositely threaded member without loosening any of the threaded connections of the liner and packers.

1,487,098. CONCRETE FLOOR CONSTRUCTION. MAX S. GOLDSMITH, Cincinnati, Ohio. Filed Nov. 23, 1921. Serial No. 517,351. 4 Claims. (Cl. 72—66.)



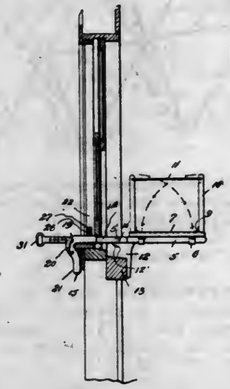
1. In a concrete floor construction the combination of a series of ceiling plates having slots along their ends, the slots having undercut walls, terminating upon the upper and lower faces of the plates, the slots of adjacent plates communicating, domes adapted to lie upon the upper faces of the plates, means on the upper faces of the plates adapted to position the domes and for precluding spreading of the domes, and concrete surrounding the domes and filling the slots.

1,487,099. CONCRETE FLOOR CONSTRUCTION. MAX S. GOLDSMITH, Cincinnati, Ohio. Filed Nov. 23, 1921. Serial No. 517,353. 1 Claim. (Cl. 72—66.)



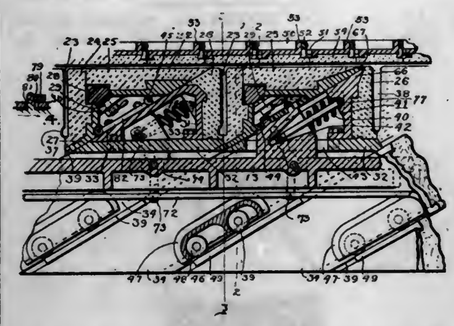
In a concrete floor construction the combination of a series of ceiling plates having their ends and sides in abutment upon one another and having depressions in their top whereby substantial edges are formed on the plates and a relatively thin intermediate plate portion is provided, the edges being undercut and the abutting edges of adjacent plates together forming a dove-tailed key, the plates being provided with grooves intermediate the undercut edges for receiving the bottom edges of domes and for precluding lateral displacement and spreading of the domes, domes having their bottom edges seated in the grooves therefor provided, and concrete surrounding the domes, covering the tops of the plates and extending between the domes and the undercut edges.

1,487,100. WINDOW SCAFFOLD. HARLEY C. HIGHMILLER, Springfield, Ohio. Filed June 13, 1923. Serial No. 645,052. 4 Claims. (Cl. 304—26.)



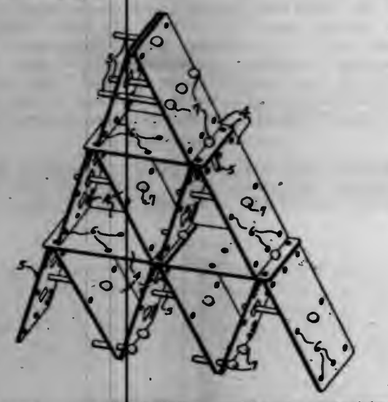
1. In a window scaffold, a pair of spaced platform supporting arms having cooperating clamping members upon the inner ends thereof for attaching the device to the sill of the window frame, socketed members attachable to the sides of the window frame, and an extensible retaining bar having its ends formed to engage the sockets of said socketed members for being retained in a position extending across and resting upon the upper edges of said platform supporting bars for maintaining the clamping members against upward displacement from the window sill.

1,487,101. PERMANENT MOLD. MYRON F. HILL, New York, N. Y. Filed Feb. 28, 1918, Serial No. 219,562. Renewed Mar. 29, 1921. Serial No. 456,693. 12 Claims. (Cl. 22—129.)



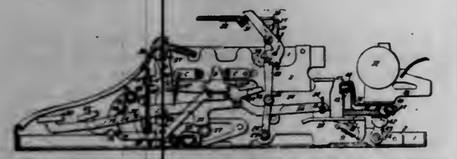
3. In a mold, metal frame members containing refractory lining having molding surfaces rendered non-adhesive to molten steel, said mold having rib-forming cavities for the casting and containing collapsible members to allow for contraction between said rib members.

1,487,102. GAME OR TOY FOR BUILDING CARD HOUSES. HARRIETTE E. HODGSON, New York, N. Y. Filed May 24, 1922. Serial No. 563,248. 1 Claim. (Cl. 46—55.)



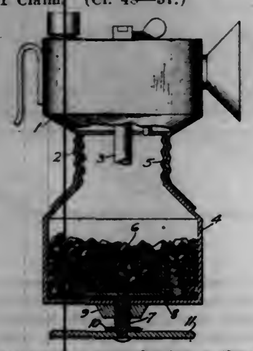
A game or toy for building card-houses comprising a pack of cards provided with specially located perforations and a set of pegs adapted for insertion in said perforations whereby to pin and brace the cards together in spaced relation in various structures.

1,487,103. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Jan. 29, 1923. Serial No. 615,474. 8 Claims. (Cl. 197—186.)



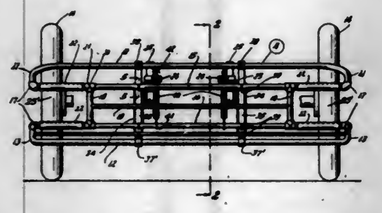
1. In a typewriting or like machine, the combination of case shift mechanism including a locking lever for locking the shiftable part in shifted position and having an engaging member at one side of its fulcrum and a key at the other; a collapsible part of the machine; and a releasing lever operative on said locking lever at the key carrying side thereof and actuated by a movement of said collapsible part to collapsed position to release the locking lever from locked position.

1,487,104. GAS GENERATOR. GUSTAVE HOLMES, Stockett, Mont. Filed Feb. 13, 1922. Serial No. 536,372. 1 Claim. (Cl. 48—57.)



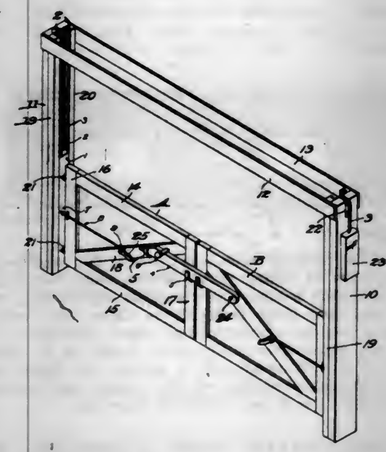
In a gas generator, a cup having a threaded perforation in its base, a screw disposed in the said perforation, a fork carried by said screw and disposed within said cup, a nut upon said screw, and a handle for actuating said screw whereby said fork is rotated and raised and lowered relative to the cup base.

1,487,105. BUMPER. GORO KAWASAKI, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 666,809. 11 Claims. (Cl. 293—44.)



2. A device of the class described, in combination with the chassis of a vehicle, a movable bumper adapted to be supported forwardly of the chassis, means affording attachment of the bumper to the chassis, and flexible members having operative connection to the bumper adapted to resist movement of the bumper in one direction.

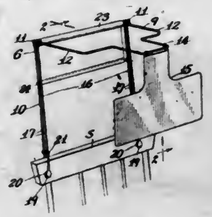
1,487,106. STOCK AND DRIVE GATE. MATHEW S. KELLY, St. Paul, Minn. Filed Apr. 27, 1921. Serial No. 465,066. 1 Claim. (Cl. 39—81.)



A gate closure comprising a gate post, a pair of oppositely facing grooved guideways secured to said post, a tongued upright slidable between said guideways, a gate hingedly connected to said upright, said post being formed with a recess at its upper end, a pulley positioned within said recess extending beyond said post on both sides thereof, a cord passing over said pulley and secured at one end to said upright and a counter weight secured to the other end of said cord.

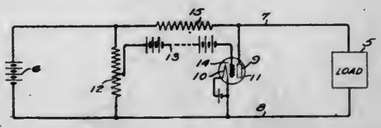
1,487,107. FAN DEVICE. WILLIAM H. KENT, Brooklyn, N. Y. Filed Feb. 12, 1923. Serial No. 618,604. 3 Claims. (Cl. 230—7.)

1. A fan device of the class described comprising a rod, a sleeve mounted on said rod and of less longitudinal dimensions than said rod, a substantially U-shaped frame member the side members of which are mounted on said rod outwardly of said sleeve, a fan element movably mounted in connection with said frame, and two



pairs of parallel rods mounted in connection with the ends of said first named rod and the free ends of which are provided with enlarged heads.

1,487,108. REGULATING SYSTEM. WILLIAM A. KNOOP, East Northport, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 31, 1922. Serial No. 578,568. 9 Claims. (Cl. 171—312.)

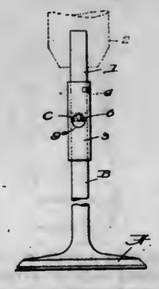


1. In combination, a source of voltage subject to variations, a load circuit, and means for supplying said load circuit with a constant voltage, said means comprising an electric discharge device having an anode, a cathode and a control electrode, said load circuit being connected across said anode and cathode, means responsive to variations in a characteristic of said source for producing variations in the potential of said control electrode and a resistance connected in series with said source, said anode and said cathode.

1,487,109. STORAGE-BATTERY ELECTROLYTE. THOMAS F. LACY, Sioux City, Iowa. Filed Feb. 1, 1923. Serial No. 616,402. 4 Claims. (Cl. 204—29.)

1. A storage battery electrolyte comprising sulphuric acid, sodium sulphate and lead sulphate.

1,487,110. VALVE-STEM TRIMMER. JOHN LILLYQUIST, Chicago, Ill. Filed Mar. 1, 1922. Serial No. 540,352. 1 Claim. (Cl. 29—103.)

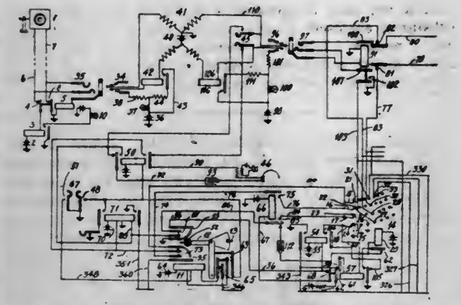


A tool for the purpose indicated comprising a shank formed at one end with a cutting edge perpendicular to its axis and substantially radial with respect thereto, together with a guide sleeve enclosing said cutting edge and bored transversely to form two openings at opposite sides of the sleeve respectively with their common axis slightly oblique to the cutting edge of the shank.

1,487,111. ELECTROLYTIC TIN. CLARENCE P. LINVILLE, Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1920. Serial No. 434,118. 8 Claims. (Cl. 204—17.)

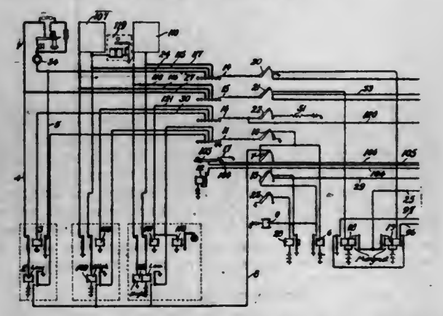
1. An electrolyte for the deposition of tin free from lead, comprising an electrolytic solution of tin in hydrofluosilicic acid containing sulphuric acid in an amount sufficient to react with the lead present to form an insoluble lead salt and to provide an excess of free sulphuric acid and an agent capable of reacting with said excess of sulphuric acid to form free hydrochloric acid.

1,487,112. TELEPHONE-EXCHANGE SYSTEM. GEORGE ALBEN E. LUNDELL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 14, 1919. Serial No. 337,942. 15 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a plurality of trunks, an operator's telephone set, automatic selecting mechanism adapted to connect said operator's set to an idle trunk, and a variably operable device for indicating the designation of said trunk.

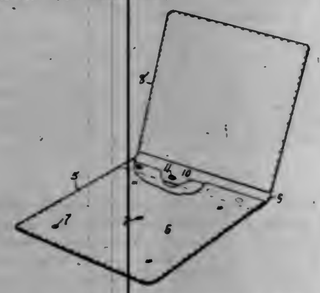
1,487,113. MACHINE-SWITCHING TELEPHONE SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, a Corporation of New York. Filed Dec. 18, 1920. Serial No. 431,558. 8 Claims. (Cl. 179—9.)



1. In a telephone exchange system, calling subscribers' lines equipped for various classes of service, called subscribers' lines, an automatic switch for interconnecting calling and called subscribers' lines, a registering device, means to operate said registering device to record the

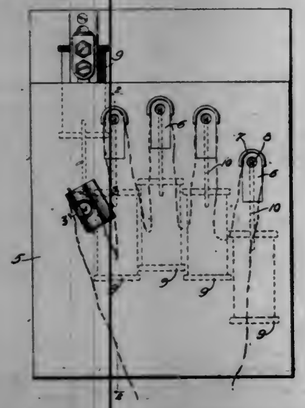
class of service to which the calling line is entitled, charging means, and automatic means to govern the operation of said charging means in accordance with the setting of said registering device.

1,487,114. HOT PACK. WILLIAM H. MCINTYRE, Chicago, Ill. Filed April 10, 1922. Serial No. 551,424. 4 Claims. (Cl. 126—263.)



1. A hot pack comprising a pouch; a heat generating substance enclosed in the pouch; and a container having a pocket adapted to receive the pouch and having also a jacket detachably secured to the pocket and adapted to completely envelop the pocket.

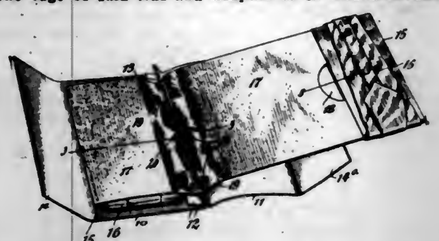
1,487,115. INTELLIGENCE SYSTEM. JAMES L. MCQUARRIE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,771. 9 Claims. (Cl. 250—1.)



1. A device for communicating intelligence to a person who is both blind and deaf comprising a group of electrical circuits, light sensitive means in each of said circuits for producing current impulses, means for rendering said means effective in predetermined combinations in accordance with the desired characters, and translating means individual to said light sensitive means for communicating to such person through the sense of touch, impressions representative of said characters.

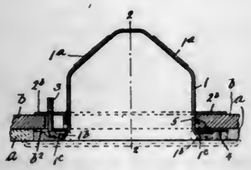
1,487,116. TIE HOLDER. JOSEPH D. MAHER, Orange, N. J. Filed Sept. 28, 1921. Serial No. 503,710. 5 Claims. (Cl. 206—7.)

1. A tie holder comprising a comparatively stiff supporting leaf upon which the tie is adapted to be wound, and a flexible retaining member attached at one end to one edge of said leaf and adapted to be wound around



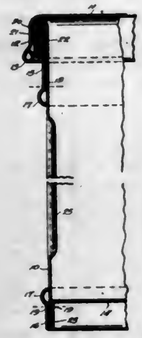
said leaf and said tie in a direction at right angles to the direction in which the tie is wound around said leaf.

1,487,117. OUTLET BOX. JOHN J. MERRILL, Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 12, 1922. Serial No. 552,020. 5 Claims. (Cl. 247—15.)



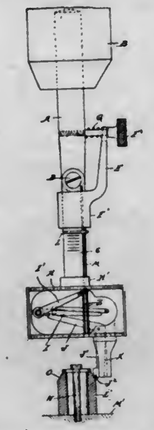
1. In an electrical installation outlet for a lath and plaster wall having an opening, a clamp comprising an inner and an outer collar adapted to engage the opposite sides of the laths about the opening and having connecting means for holding the same in clamping engagement therewith, a box adapted to be inserted in said collars, means carried with the outer collar for positioning the box with its outer end approximately flush with the plaster surface and means for attaching the box to said outer collar.

1,487,118. CONTAINER OR CAN. ARTHUR MILLER, Columbus, Ohio, assignor to Solar-Sturges Mfg. Co., a Corporation of Illinois. Filed Jan. 28, 1921. Serial No. 440,659. 1 Claim. (Cl. 220—66.)



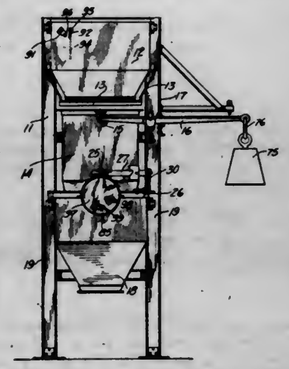
A container, comprising a body portion, and a bottom portion having an inner annular down-turned flange extending into an outer upturned flange between which the lower edge of said body portion is disposed, said outer flange terminating in an out-bent bead, the free edge of which contacts with said body portion, said outer flange being permanently attached to said body portion, as by spot-welding, at the junction of said bead with said outer flange, the opposite edge of said bead being unattached to the can body.

1,487,119. INDICATOR. CHARLES A. NEWITT, Detroit, Mich. Filed Dec. 20, 1920. Serial No. 432,025. 6 Claims. (Cl. 33—172.)



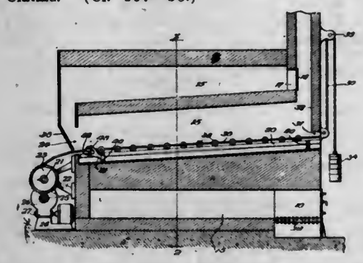
1. An indicator tool comprising a shank for engagement with a revoluble spindle in axial alignment therewith, an indicator ring surrounding and movable longitudinally of said shank, a housing mounted on said shank and extending transversely thereof in symmetrical relation thereto, a guide projecting from said housing and offset from the axis of the spindle, a multiplying lever system within said housing, a movable contact member engaging said offset guide and having an actuating connection to said multiplying levers, and a member extending longitudinally of said spindle and connecting said indicator ring with said multiplying levers.

1,487,120. AUTOMATIC SCALE INDICATOR. ARTHUR PARSONS, Pasadena, Calif. Filed Oct. 24, 1921. Serial No. 509,992. 11 Claims. (Cl. 265—58.)



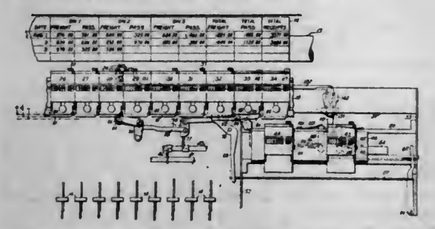
1. In combination with the balance elements of a scale; an indicator arm; a member, mounted upon one of the balance elements of said scale, adapted to engage said indicator arm near the end of the forward movement of said balance element, and to carry said indicator rearwardly as the said balance element makes its return movement; means for sensibly indicating the position of said indicator arm; and means for disengaging said member from said indicator arm when said balance element has returned to its initial position.

1,487,121. BAKER'S OVEN. WILLIAM F. PETERSEN, Chicago, Ill. Filed June 3, 1922. Serial No. 565,705. 2 Claims. (Cl. 107—56.)



2. A baker's oven comprising a baking chamber having longitudinal channels between its sidewalls and floor, a flexible hearth movable into and out of said chamber, tracks in said channels upon which said hearth rests, links whose upper ends are pivotally connected to said tracks and whose lower ends are permanently fulcrumed independently of the tracks, bifurcated lugs projecting from the forwardmost of said links, pins projecting from the forwardmost of said links, for each track the bifurcation nearest the front of the chamber being shorter than the other, and pins projecting laterally from the hearth near the front end thereof that engage the longer bifurcation when moved rearward and the shorter bifurcation when moved near, and rock said tracks downwards and upwards.

1,487,122. CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1921. Serial No. 492,396. 21 Claims. (Cl. 235—59.)

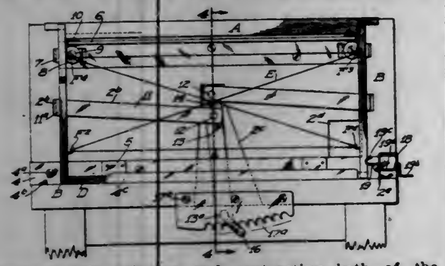


1. In a calculating machine, the combination with a carriage which travels through a series of calculating zones, and a plurality of totalizers each capable of computing in a plurality of said zones, of clearance proof mechanism for said totalizers, and means controlled by said carriage for bringing said mechanism into action for one of said totalizers at one point of carriage travel and for another totalizer at another point of carriage travel.

1,487,123. APPARATUS TO FACILITATE THE MAKING OF HONEY FRAMES. FREDRICK J. SEVERIN, San Diego, Calif. Filed Mar. 8, 1922. Serial No. 542,184. 9 Claims. (Cl. 144—288.)

1. A honey frame assembling apparatus including a table member, an upright member secured at a right angle thereto, a positioning member secured to said table member at the base of said upright member, adjustable guide

and retaining means secured at the upper part of the front face of said upright member, and means for

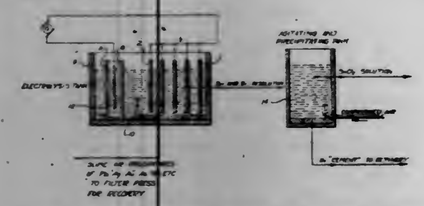


simultaneously gripping and contracting both of the normally vertical members of a honey frame supported by said guide and retaining means.

1,487,124. ELECTROLYTIC PROCESS. JAMES ROBERT STACK, Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1920, Serial No. 434,114. Renewed Jan. 14, 1924. 29 Claims. (Cl. 204—57.)

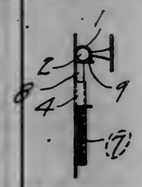
1. In the electrolytic refining of impure tin containing lead, the process of preventing contamination of the tin deposited from the impure tin anode upon the cathode, which consists in employing as the electrolyte a solution of tin in sulphonic acid and a protective agent sufficient to convert the lead contained in the dissolving tin anode into a compound insoluble in the electrolyte.

1,487,125. PROCESS OF RECOVERING TIN. JAMES ROBERT STACK, Perth Amboy, N. J. Filed Jan. 4, 1922, Serial No. 526,871. Renewed Jan. 14, 1924. 11 Claims. (Cl. 204—17.)



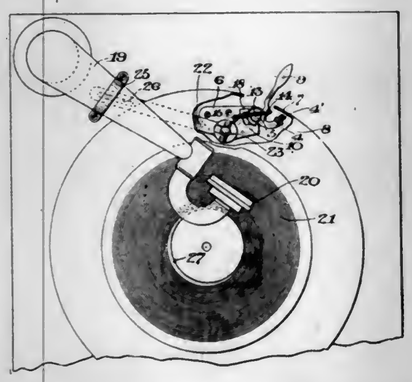
1. The process of refining impure tin bullion to recover the contained metals, which consists in subjecting the bullion as anode to an electrolytic current of appropriate voltage and amperage in an electrolyte capable of holding tin and bismuth in solution and depositing substantially all of the other contained metals as slimes or precipitates, and then separating the tin from the bismuth and other metals by precipitating the bismuth and retaining the tin in solution.

1,487,126. COLLAR BUTTON AND TIE ADJUSTER. ANCEL B. STUBBS, Alliance, Ohio. Filed Oct. 25, 1923. Serial No. 670,646. 1 Claim. (Cl. 24—59.)



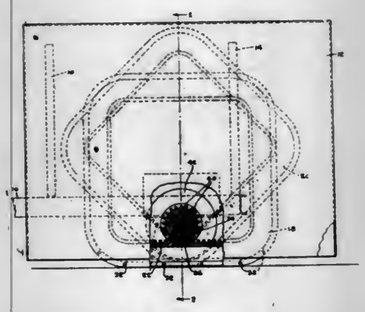
A device of the kind described, comprising a button claw adapted to engage the collar button; a hollow stem depending from the button claw; a coil spring seated in the hollow stem; and a pressure pin seated in the hollow stem upon the spring, the pin having a button engaging tab at its upper end.

1,487,127. STOP FOR SOUND-REPRODUCING MACHINES. OTTO F. STUPPAN, Milwaukee, Wis., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed Dec. 30, 1921. Serial No. 526,005. 11 Claims. (Cl. 192—122.)



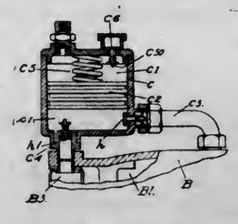
1. In a sound-reproducing machine, the combination of a record with an eccentric terminal groove producing a backward swing of the tone-arm when the playing of the record has ceased, a brake member, a latch for holding said member in inoperative position, an abutment on said member adapted to move said latch for operatively positioning the same with relation to said member on the movement of the brake member to inoperative position, and means movable with said tone arm and operatively connected to the latch to release the same on a backward swing of the tone-arm.

1,487,128. TRACTOR MACHINE. CHARLES W. WERDENHOFF, Minneapolis, Minn. Filed Dec. 26, 1922. Serial No. 608,915. 3 Claims. (Cl. 305—6.)



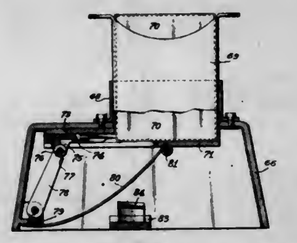
1. The combination with the frame and axle of a vehicle, of two pinions secured to the axle, a casing associated with the frame, two endless ground engaging rack members within said casing and with which said pinions mesh respectively and upon which said pinions travel to give a partial rotation in alternation with each other, and means for maintaining said pinions in mesh with said rack members.

1,487,129. VACUUM-PRODUCING MEANS FOR FUEL-FEED DEVICES. LEONARD H. WHEELER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 12, 1922. Serial No. 567,571. 3 Claims. (Cl. 158—36.)



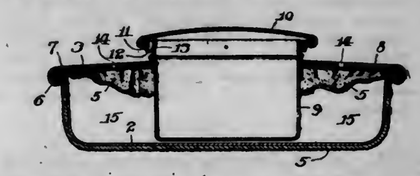
3. In combination with an internal combustion engine and a vacuum fuel feeding device for supplying the carbureter from a low source, a suction pump which is suction operated, having its chamber at one side of the reciprocating element connected for intake with the vacuum chamber and for discharge with the service chamber of the vacuum fuel feed device; the chamber at the other side of the reciprocating element being connected for suction with the intake manifold of the engine and provided with a valve-controlled atmosphere inlet whose valve is normally seated, and is opened by the suction stroke of the reciprocating element at the limit of said stroke.

1,487,130. PACKAGE-SEVERING DEVICE. BURRITT F. WITHERELL, Detroit, Mich. Filed Nov. 25, 1921. Serial No. 517,815. 12 Claims. (Cl. 131—59.)



1. A device of the type described comprising a movable package support; a knife carried thereby and adapted to slit said package, a set of knives, and means supporting said package support so that it may be shifted to cause the package to be further slitted by said set of knives.

1,487,131. COMBINED PHONOGRAPH RECORD CLEANER AND NEEDLE HOLDER. JULIUS ABRAHAMS, Millbourne, Pa. Filed July 30, 1923. Serial No. 654,535. 3 Claims. (Cl. 206—1.)



1. The combination of a hollow body member, a cover member closing the same and having an opening therein through which needles may be inserted into the body member, and loose fabric within the body member to prevent needles from accidentally passing outwardly through said opening.

1,487,132. TIN SINTER AND METHOD OF PRODUCING SAME. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1920. Serial No. 419,473. 13 Claims. (Cl. 75—17.)

1. In the art of producing tin sinter from tin concentrates and like tin containing material which may also contain certain foreign elements such as sulphur, arsenic and antimony, the process which consists in finely dividing the material, roasting the same to partially remove some of the foreign elements, combining the roasted material with a binder and carbonaceous matter together with a reagent capable of combining with the remaining sulphur, moistening the mixture and sintering the moist mixture.

1,487,133. PROCESS OF FORMING IRON-TIN ALLOY. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1920. Serial No. 419,474. 8 Claims. (Cl. 75—17.)

1. In the art of preparing a charge of material for use in a blast furnace in the formation of a tin-iron alloy, the process which consists in mixing tin slag with limestone, sintering the mixture, and mixing the sintered mixture with a carbonaceous fuel and with a flux.

1,487,134. PROCESS OF RECOVERING TIN. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1920. Serial No. 419,475. 6 Claims. (Cl. 75—18.)

1. In the art of extracting metallic tin from tin containing material, the process which consists in sintering a charge of the tin containing materials with a fuel, mixing the sintered product with a silicious flux, limestone and a tin-iron alloy and subjecting the mixture to the action of a blast furnace.

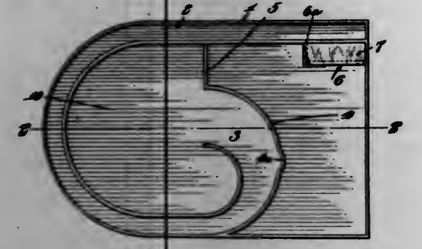
1,487,135. RECOVERING OCCLUDED TIN. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 25, 1920. Serial No. 419,476. 3 Claims. (Cl. 75—17.)

1. The process of recovering metallic tin from the slag produced in the blast furnace smelting of stanniferous ores containing iron, which consists in supplying the molten slag to a settling furnace, stirring the mass, adding a reducing agent thereto while maintaining the same in a molten condition whereby to reduce the tin and promote the formation of an iron tin alloy, and then separating said alloy from the slag.

1,487,136. ELECTROLYTIC REFINING OF TIN. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1920, Serial No. 434,124. Renewed Oct. 26, 1923. 8 Claims. (Cl. 204—57.)

1. In the electrolytic refining of impure tin containing lead, the method of refining tin which consists in passing an electric current of suitable voltage and amperage from the impure tin as an anode to a cathode through an electrolyte which is a solvent of tin and lead and protecting the electrolyte from contamination by lead, by incorporating with the electrolyte an agent which will combine with the lead to form an insoluble compound, said agent being present in an amount materially in excess of the amount necessary to unite with all the lead present in the electrolyte.

1,487,137. GAME BOARD. JOHN APOSTOLSKI, Detroit, Mich. Filed May 31, 1922. Serial No. 564,822. 2 Claims. (Cl. 46—61.)



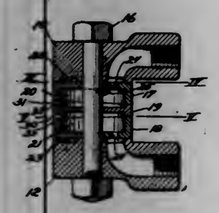
1. A game board having a helical track arranged thereon and extended to form a field, the inner end of said track being enlarged and opening into the field and provided in its outer wall on the inner face with a recess forming a deflector for diverting the course of the balls passing over the track, and balls for passage over the track.

1,487,138. METHOD OF DETECTING THE DIRECTION OF UNDERWATER VIBRATIONS. GEORGE F. ATWOOD, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 24, 1919. Serial No. 306,461. 7 Claims. (Cl. 181—0.5.)



1. The method of detecting the direction of underwater vibrations which consists in towing a submersible device equipped with a detector, decreasing the speed of the towing vessel, maintaining the towed device under the water and on an even keel independent of the strain on the towing cable, and noting the response of the detector.

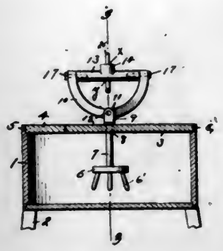
1,487,139. OIL BURNER. WARD T. BARKER, Kansas City, Mo. Filed Aug. 29, 1921. Serial No. 496,376. 6 Claims. (Cl. 158—75.)



1. An oil burner comprising oil and steam inlet connections, and relatively rotatable coaxial elements providing separate adjacent outlet ports in communication, respectively, with said oil and steam inlet connection, said ports comprising slots extending angularly with respect to the axis of said rotatable elements.

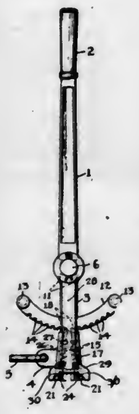
1,487,140. WASHING MACHINE. MATHEW J. BEAVER, Loyal, Wis. Filed Sept. 18, 1920. Serial No. 411,040. 1 Claim. (Cl. 74—14.)

1. In a driving mechanism for a washing machine comprising a vertically disposed rotatable and reciprocatory work shaft, a substantially semi-circular yoke pivoted at its center to the upper end of said work shaft, a cross bar pivoted to the terminals of said yoke, and a sleeve carried by the central portion of said cross bar, an operating shaft disposed at right angles to the work shaft,



means for operating the operating shaft, and an elongated inclined crank arm formed on the operating shaft and disposed at an angle of substantially 45 degrees to the longitudinal axis of said operating shaft and slidably mounted in said sleeve.

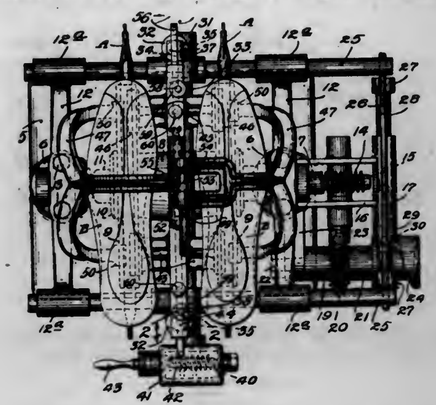
1,487,141. LEVER. JOHN A. BERGREN, Lake Park, Minn., assignor to Carl E. Youngberg, Seattle, Wash. Filed Oct. 23, 1920. Serial No. 418,973. 9 Claims. (Cl. 74—39.)

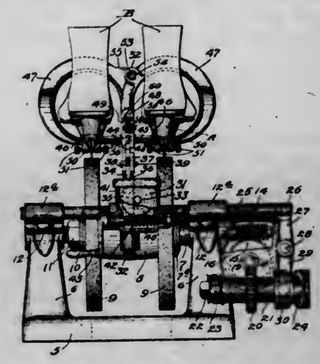


1. A self-unlocking lever, comprising an operating arm, a load arm fulcrumed coaxially therewith, said arms having a lost-motion connection whereby the operating arm has initial free movement and thereafter urges the load arm, means including a longitudinally movable plunger for locking the load arm, and means on the operating arm whereby the initial movement thereof in the desired direction moves said plunger and unlocks the load arm to permit movement thereof by continued movement of the operating arm.

1,487,142. SKATE-GRINDING MACHINE. VITUS A. BOKER, Minneapolis, Minn. Filed Apr. 5, 1922. Serial No. 549,787. 17 Claims. (Cl. 51—100.)

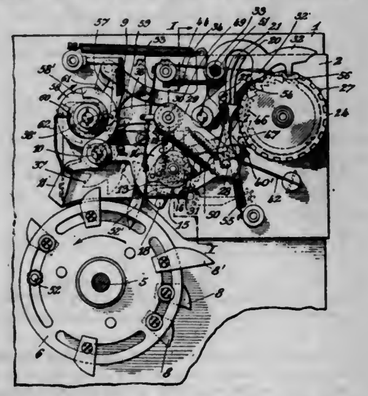
1. In a skate grinding machine, the combination with a grinding wheel, of a guideway extended parallel to the plane of said grinding wheel, and a skate holder movable on said guideway above said grinding wheel and operating to direct the skate blade against the upper portion of said grinding wheel, said skate holder being held against lateral shifting movement and angular movement





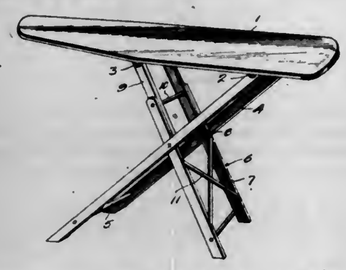
in a horizontal plane but free for vertical movement and displacement and adapted to be moved endwise by hand operations.

1,487,143. WORKMAN'S TIME RECORDER. JULIUS BRENDLE, Zurich, Switzerland. Filed Aug. 1, 1921. Serial No. 488,895. 13 Claims. (Cl. 234—43.)



1. In a workmen's time recorder having an operating train of gears, time type wheels and ratchet driving mechanism therefor, in combination with a stop wheel mechanically driven to render one of the type wheels inoperative at the expiration of a normal working day; a character indicating over-time alternately brought into operative position at the expiration of said normal working day while maintaining the operation of the remaining type wheels.

1,487,144. IRONING BOARD. HUGH L. CALLAWAY, Waukesha, Wis. Filed Apr. 3, 1923. Serial No. 629,648. 3 Claims. (Cl. 68—10.)



1. In combination, an ironing board, a frame pivoted to the ironing board, a second frame including two sections, one of said sections pivoted to the ironing board, the other of said sections pivoted intermediate its ends to an intermediate portion of the first frame and at its ends to an intermediate portion of the first section, and means whereby the sections of the second frame may be held in alignment with each other for holding the frames in an extended position and said frames being foldable against the bottom face of the ironing board.

1,487,145. PROCESS OF RECOVERING VALUES FROM NICKEL AND COBALT-NICKEL ORES. MARTINUS HENDRICUS CARON, The Hague, Netherlands, assignor to Clevenger & Caron, Boston, Mass., a Firm. Filed May 25, 1923. Serial No. 641,506. 6 Claims. (Cl. 75—66.)

1. Process of recovering values from nickel and cobalt and nickel-cobalt ores which comprises subjecting the ore to a preparatory reducing roast, cooling the reduced ore under non-oxidizing conditions, extracting values from the reduced and cooled ore by treatment with an ammonium salt solution, and precipitating the values from the ammonium salt solution by distilling volatile ammonium compounds therefrom.

1,487,146. SIDE ARCH BRICK. EDWARD M. CARROLL, Sanford, Fla. Filed Mar. 22, 1923. Serial No. 626,902. 4 Claims. (Cl. 110—87.)

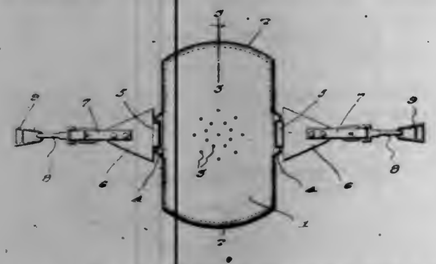


1. A side brick for locomotive arches, curved throughout its upper surface and curved substantially throughout its lower surface, the brick provided with a depending flange on one side, which flange is at right angles to the body of the brick, the outer surface of this flange being flat to form a relatively wide contacting area, and this flange provided with a depression to receive a supporting means, and the opposite side of the brick being undercut to form a supporting ledge.

1,487,147. NOSE GUARD FOR DRAFT ANIMALS. FRANCIS A. COUGHLIN, Burnstad, N. Dak. Filed Feb. 28, 1923. Serial No. 621,902. 1 Claim. (Cl. 54—80.)

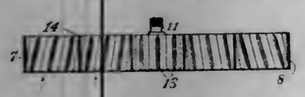
A nose guard for draft animals comprising a body rectangular in shape and slightly rounded inwardly both longitudinally and transversely, said body being provided

with rolled edges, oppositely disposed upturned slotted extensions on the side edges of the body, triangular



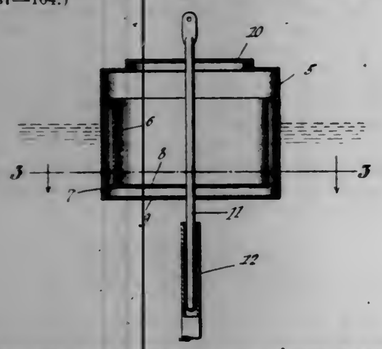
shaped wings having barrels received in said slots to secure the wings in hinged relation to the body and attaching straps connected to said wings opposite said barrels.

1,487,148. LIQUID-COOLING RADIATOR. EDWARD T. CURRAN, Detroit, Mich. Filed Oct. 21, 1919. Serial No. 332,281. 9 Claims. (Cl. 257—130.)



1. In a liquid cooler, a reservoir for the warmed liquid and a reservoir for the cooled liquid, passageways to connect said reservoirs in liquid circulation, comprising tubes shaped to form air passages of polygonal shape in cross section and certain of the tubes extending from the front to the rear of the radiator at an acute angle with the front of the radiator for the purpose specified.

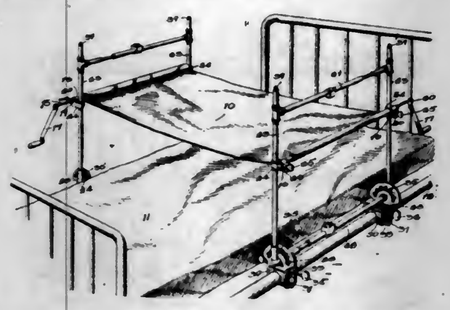
1,487,149. FLOAT. LOREN CUTLER, Springfield, Ill. Filed Jan. 7, 1924. Serial No. 684,838. 1 Claim. (Cl. 137—104.)



In a float, a body portion, a wall disposed within the body portion and arranged in spaced relation therewith, the upper end of the wall being bent laterally and having connection with the inner surface of the body portion to provide an outer chamber and an inner chamber, and a guide rod having connection with the body portion.

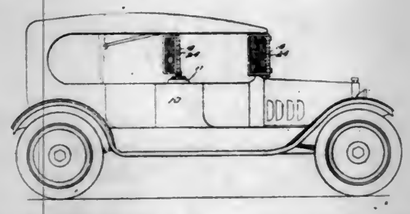
1,487,150. SLING ATTACHMENT FOR HOSPITAL BEDS. HIXSON CLEOVAS DEAKINS, Chattanooga, Tenn. Filed Nov. 17, 1922. Serial No. 601,613. 5 Claims. (Cl. 5—88.)

5. A bed sling and rest including a pair of winding shafts, a flexible supporting web whose ends are around the shafts, and supports in connection with which said shafts are journaled and with respect to which said



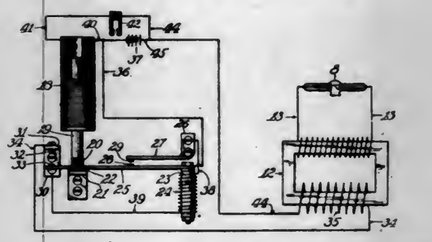
shafts are endwise tiltable whereby the sheet may be held in inclined positions as well as in a horizontal plane.

1,487,151. WINDSHIELD DEVICE FOR AUTOMOBILES. ALVIN M. DIXON, Des Moines, Iowa. Filed Jan. 3, 1921. Serial No. 434,573. 1 Claim. (Cl. 296—84.)



In a wind shield device, a frame composed of tubular members, slots in said tubular members, a screen mounted in said frame, binder strips on the edges of said screen, the binder strips being received within the tubular members, and the screen extending through the slots therein, said binder strips being of slightly greater thickness than the slots, whereby the binder strips may be forced through the slots and thereafter be securely held in place, said binder strips forming a rigid frame enclosing the screen.

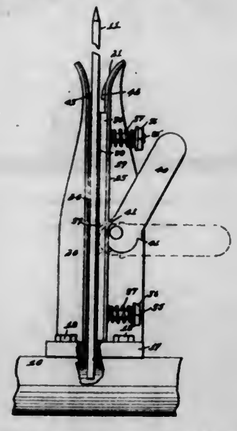
1,487,152. AUTOMATIC ELECTRICAL CIRCUIT CONTROLLER. EDWIN L. EDWARDS, Indianapolis, Ind., assignor to Edwards X-Ray Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 15, 1920. Serial No. 374,191. 3 Claims. (Cl. 171—229.)



1. An automatic electrical circuit controller including a resistance coil, an elastic supported switch finger in connection with the resistance coil, a supported connector having a contact-point, a circuit connecting the resistance coil with the connector, a circuit in connection with the contact-point, a supported switch arm to be elastically

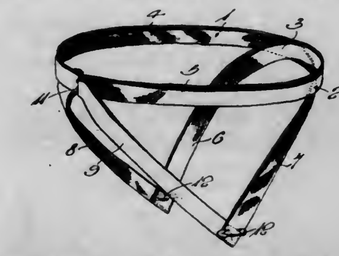
pressed to the switch finger and farther to the contact-point, a feed-wire leading to the switch arm, and a solenoid having an armature arranged to control the switch arm.

1,487,153. LAUNDRY-PIN RELEASER. JOHN EVANS, Salt Lake City, Utah. Filed Apr. 10, 1923. Serial No. 631,102. 11 Claims. (Cl. 40—19.5.)



1. A pin releasing device comprising an assorting bar designed to receive a series of safety pins and to enter between the safety pin body members and point members, two pin engaging members arranged on opposite sides of the bar, one being so positioned as to engage the bodies of the safety pins on the bar and the other to engage the pin point members thereof, and means for moving one of the pin engaging members toward and from the other for releasing the pin points from their keepers.

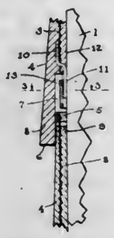
1,487,154. CATAMENIAL BELT. ALBERTINE DELORIS FILIATRAULT, Spokane, Wash. Filed Apr. 3, 1922. Serial No. 549,033. 2 Claims. (Cl. 128—291.)



1. A catamenial bandage support formed of connected strips providing a waist encircling portion and depending protector engaging members positioned beneath the forward and rear portions of the waist encircling portion, the portions of the strips forming the waist encircling portion being permanently connected at one side and releasably connected at the other side.

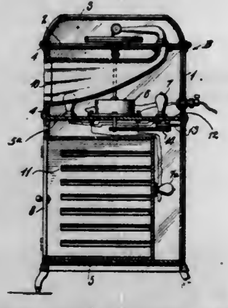
1,487,155. BUILDING CONSTRUCTION. EDWARD FINK, Wauwatosa, Wis., assignor to Compo-Tile Manufacturing Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 9, 1922. Serial No. 567,135. 4 Claims. (Cl. 72—20.)

1. A composition board for building construction comprising a fire and waterproof cementitious body portion having a reinforcing member incorporated therein, said body portion having opposed flat faces and being tapered to provide a relatively thin edge, and a relatively thick edge disposed opposite thereto, said thick edge being re-



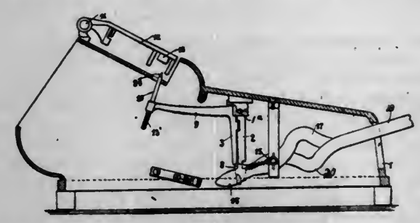
cessed to receive the thin edge of an adjacent board, the parts being so proportioned that said thin edge will occupy only a portion of said recess.

1,487,156. PHONOGRAPH CABINET. EARL H. FOLEY, Norfolk, Va. Filed June 6, 1921. Serial No. 475,281. 7 Claims. (Cl. 240—2.)



1. A cabinet for sound reproducing machines comprising a frame having a hinged top, a source of light carried within the frame, translucent inclosing members carried by the frame for diffusing light from the source enclosed therewithin, and a translucent horn arranged within the cabinet and extending through one of the translucent enclosing members.

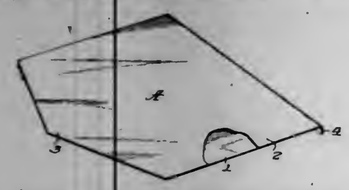
1,487,157. CALCULATING MACHINE. MAX FRENZ, Lichtenberg, near Berlin, Germany. Filed Oct. 27, 1922. Serial No. 597,385. 5 Claims. (Cl. 235—63.)



4. In a calculating machine the combination with a pivoted and slidable platen carrying the calculating mechanism, of a main rocking lever pivoted at its upper end to the machine frame and movable at right angles to the said platen, two lugs at either end of the said lever, an auxiliary rocking lever carried by the said main lever and hinged between the said lugs of same, a spring at each side of the main lever pressing against the auxiliary lever to normally prevent pivotal movement of the latter, an offset arm to the auxiliary lever carrying an adjustable pointer at its end, a pin projecting from each side of the

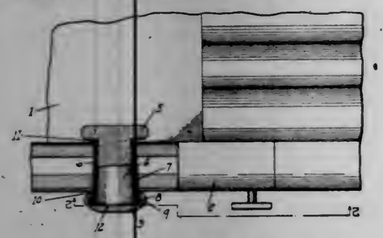
auxiliary lever, two manually operated levers crossing each other at about their centres, each cooperating with one of the pins projecting from the auxiliary lever to first rock and then shift the platen to the left when the left hand side lever is depressed and to the right when the right hand side lever is depressed.

1,487,158. PRINTING-PRESS TYMPAN. GEORGE W. GOULD, Chicago, Ill. Filed Aug. 19, 1922. Serial No. 582,870. 6 Claims. (Cl. 154—54.5.)



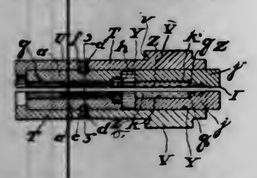
1. A tympan for printing presses, consisting of a laminated sheet made up of a sheet of material possessing relatively great tensile strength and a sheet of vegetable parchment paper forming the exposed surface of the tympan.

1,487,159. AUTOMOBILE IDENTIFIER. HENRY P. HEEREN, Toledo, Ohio. Filed July 30, 1923. Serial No. 654,526. 5 Claims. (Cl. 40—22.)



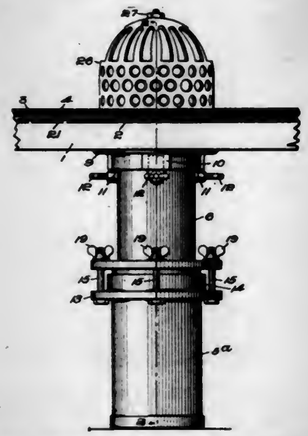
1. In an automobile identifier, a pair of telescoping members extending through the supporting wall of the automobile and having flanges located around the outer ends of the members for engaging opposite sides of the wall, a cementing material contained between the members for securing the members together, one of the members having a closed end and formed of glass and an identifying means located within the said end of the glass member.

1,487,160. DIE FOR DRILL-SHARPENING MACHINES. ALFRED A. HENTZELL, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 30, 1922. Serial No. 571,882. 2 Claims. (Cl. 76—95.)



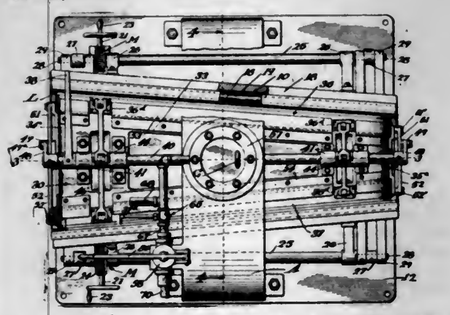
1. In a drill sharpener, a pair of relatively movable jaws, die holder guides fitted over the opposing surfaces of said jaws, holding dies in said guides, said guides and holding dies having cooperative flanges to retain the holding dies in the guides, a pair of die bushings in said holding dies, a pair of plunger dies slidable in said holding dies, longitudinal ribs to retain said bushings and plunger dies within said holding dies, and locking pins adapted to pass through said holding dies to hold the bushings in a fixed position with relation to said holding dies.

1,487,161. ROOF CONNECTION. CHARLES L. HOLT, Lawrence, Mass., assignor to Holt Roof Connection Company, Lawrence, Mass., a Corporation of Massachusetts. Filed Mar. 13, 1923. Serial No. 624,846. 9 Claims. (Cl. 182—31.)



1. A roof connection comprising a roof pipe section, a channeled roof fitting thereon to prevent downward movement of the pipe, a loose fitting roof locking collar also thereon to engage the under side of the roof to prevent upward movement of the pipe, a flashing member overlying the roof fitting and pipe end, a gravel stop member with a rib on its under side, and means secured to the pipe section and bearing on the gravel stop for forcing the flashing into the roof fitting channel.

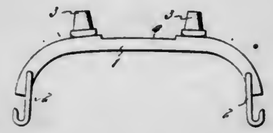
1,487,162. PUTTY MOLDING AND TRIMMING MACHINE. ARTHUR HUGHES, Los Angeles, Calif. Filed Aug. 25, 1922. Serial No. 584,295. 6 Claims. (Cl. 69—8.)



1. A putty molding and trimming machine comprising a matrix having an inner surface curved in cross section throughout its length and curved in longitudinal section similar to that of the calf of a leg, clamping means for holding a strip of leather clear of the sides and bottom, a head adapted to be moved into and from said matrix and having a surface on its under side substantially of the same shape as the inner surface of the matrix, and means for operating said head, and a trimming mechanism mounted on said head.

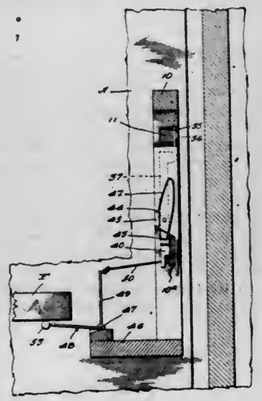
6. In a putty molding and trimming machine, the combination of a trimming mechanism and a presser head, said trimming mechanism consisting of a shaft mounted on said head, a series of rocker arms and links adapted to move duplex trimming blades in opposite directions to effect a complete trimming of a strip of leather in one action, the said mechanism being manually operable after the head has passed into the mould, said mechanism including a single manually operable lever.

1,487,163. ANTISKID DEVICE. WILLIAM D. INGRAHAM, North Adams, Mass. Filed May 26, 1923. Serial No. 641,661. 1 Claim. (Cl. 152—14.)



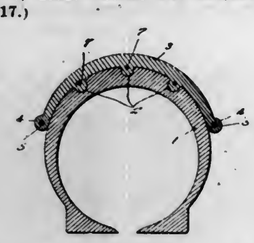
A device of the class described comprising a curved bar for engaging the tread part of a tire, a recess formed at the center of the outer face of said bar, a threaded socket in the bar on each side of the recess, calks having threaded parts for engaging the sockets, a staple threaded through a hole in the bar at each end thereof and having its ends bent into hook-shape for engaging the side chains of a non-skid device.

1,487,164. MANDOLIN ATTACHMENT FOR PLAYER PIANOS. ORESTE ISTA, New York, N. Y. Filed Oct. 13, 1922. Serial No. 594,299. 6 Claims. (Cl. 84—8.)



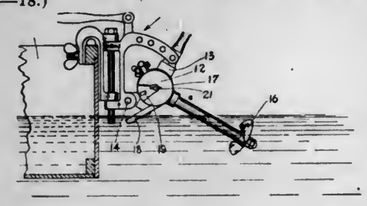
2. The combination with the motor, hammer mechanism and wippens of a player piano, of a mandolin attachment, comprising a supporting frame, a stationary bar forming a part thereof, a reciprocatory bar movably mounted in said frame, means driven by the motor of the player piano mechanism for driving said reciprocatory bar, a plurality of housings pivoted at their upper and lower ends upon said reciprocatory bar and rigid bar respectively, picks movably mounted within said housings, and means engageable by the wippens of the hammer mechanism for projecting said picks into position to pluck the strings, consisting of trips of angular formation connected at one end with the associated pick and having its other end disposed in the path of movement of the wippen.

1,487,165. TIRE. ELMER C. JACOBSON, Roy, Wash. Filed Oct. 7, 1922. Serial No. 593,026. 1 Claim. (Cl. 152—17.)



A tire of the class described comprising a shoe having circumferentially extending grooves in its tread portion, and a tread member of trough shape in cross section having circumferentially extending ribs on its inner face for engaging the grooves in the shoe, said tread member having portions extending laterally beyond said ribs, said portions at their outer edges provided with beads, and said ribs and beads having reinforcing wires therein to prevent the said member from expanding and permitting the ribs to move relatively to the said circumferentially extending grooves.

1,487,166. COOLING SYSTEM FOR COMBUSTION ENGINES. EDWIN T. KERSHAW, Denver, Colo. Filed Oct. 17, 1923. Serial No. 669,133. 6 Claims. (Cl. 115—18.)



1. In combination with an outboard motor adapted to be swung about a horizontal pivot, of a scoop for conducting water to the engine cylinder, a casing surrounding the cylinder and in connection with the scoop.

1,487,167. WASHING DEVICE. JOHN KUMAGAWA, Los Angeles, Calif. Filed Feb. 24, 1923. Serial No. 620,990. 3 Claims. (Cl. 15—128.)

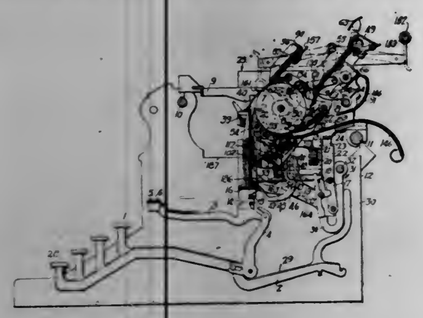


1. A fountain washing device comprising a tubular conduit adapted for connection with a hose, a pipe member connected with said conduit and provided with perforations, a pair of swabs, and clamping means for holding said swabs upon said pipe member, said pipe member being formed with longitudinal pressed in portions located between the series of holes for receiving the swabs and the clamping means therefor.

1,487,168. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 12, 1919, Serial No. 337,394. Renewed Oct. 29, 1921. Serial No. 511,455. 46 Claims. (Cl. 197—127.)

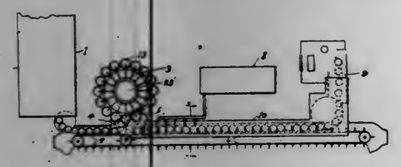
1. In a front-strike typewriting machine, the combination with a traveling carriage, of a paper-apron extend-

ing upwardly in front, a platen adapted to be withdrawn rearwardly from said apron, so that a stiff work-sheet resting on the front of the apron and on the rear portion



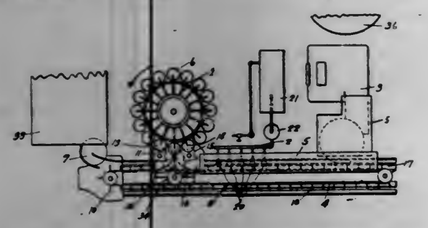
of the apron is about tangent to the platen, and wing-scales adjacent the front of the platen in its forward position and having bent-over tops substantially even with the stiff work-sheet when so tangent to the platen.

1,487,169. STERILIZATION OF ORGANIC MATERIAL. FRANCIS H. LANDRUM and ALBERT N. CRAMER, Columbus, Ohio, assignors to The Wedoit Company, Columbus, Ohio. Filed Feb. 21, 1917. Serial No. 149,987. 3 Claims. (Cl. 99—8.)



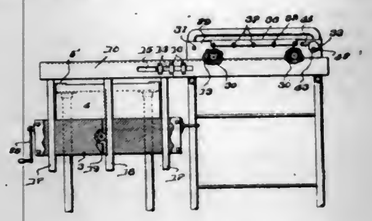
1. Sterilizing apparatus comprising means for passing organic material in an open vessel through sterilizing apparatus, means for applying a sterile liquid to such vessel, means for applying a sterile cover to such vessel, and an overhead cover plate for protecting such vessel in its passage from said sterilizing apparatus to said last means.

1,487,170. APPARATUS FOR STERILIZING FRUITS AND VEGETABLES AND SIMILAR PRODUCTS. FRANCIS H. LANDRUM and ALBERT N. CRAMER, Columbus, Ohio, assignors to The Wedoit Company, Columbus, Ohio. Filed Feb. 21, 1917. Serial No. 149,989. 2 Claims. (Cl. 99—8.)



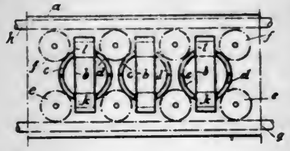
1. Sterilizing apparatus comprising means for protecting the open end of vessels containing sterile material, said means constructed to carry condensed vapors rising from the material away from the open end of the vessels.

1,487,171. INVALID CARRIER. JOSEPH F. LA VIGNE, Laurel, Miss. Filed Apr. 18, 1923. Serial No. 632,975. 6 Claims. (Cl. 5—81.)



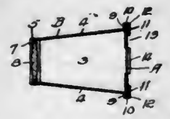
1. In a device for the purpose set forth, the combination with a roller table, of shouldered blocks secured to the ends thereof, a grooved track supported on the shoulders of the block, a collapsible stretcher frame having its end members provided with rollers received in the grooves of the tracks, and means for raising or lowering the tracks and stretcher frame on the roller table.

1,487,172. LATHE FOR RIBBON LOOMS. GUSTAV LÜDORF, Barmen, Germany, assignor to the Firm of: Gustav Lüdorf & Sohn, G. m. b. H., Barmen, Germany. Filed Mar. 25, 1922. Serial No. 546,894. 1 Claim. (Cl. 139—23.)



In a loom lathe for making hollow ribbon, double-ply ribbon, and the like, in combination, passageways for the warps, two shuttles for each passageway adapted to work simultaneously in a circular path and in a continuous direction and to pass alternately and successively through the upper and lower layer of the web, a set of toothed wheels in gear with said shuttles, a reciprocating rack adapted to be raised for its active engagement with said toothed wheels and to be lowered for disengagement from the latter during its return to its initial position, an up and down movable toothed rack adapted when raised to arrest said toothed wheels and thus said shuttles during the return way of the reciprocating toothed rack to its initial position, and means to effect said alternate movement of said toothed racks, substantially as set forth.

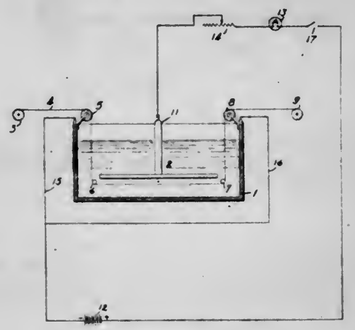
1,487,173. FILM-SCOPE TOY. JOSEPH A. MANION, St. Louis, Mo., assignor to Zdenko A. Shubert, New Orleans, La. Filed Jan. 27, 1920. Serial No. 354,515. 1 Claim. (Cl. 88—1.)



A film scope toy comprising a hollow body having a top plate, a bottom plate and two converging side walls to form a single unobstructed sight opening at the large end of the hollow body, a single lens positioned in the small end of the hollow body, a pair of opposed vertically

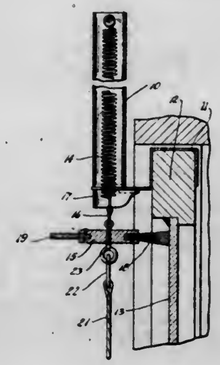
disposed ways formed by lipped terminations of said converging side walls at the unobstructed sight opening end thereof for receiving the side edges of a section of motion picture film placed in front of the sight opening and a narrow centrally disposed film stop integral with the bottom plate and directed forwardly from the sight opening edge thereof.

1,487,174. ELECTROLYTIC DEPOSITION OF THORIUM. JOHN WESLEY MARDEN, East Orange, and JOHN EDWARD CONLEY and THOMAS PHILIP THOMAS, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 31, 1922. Serial No. 578,813. 37 Claims. (Cl. 204—1.)



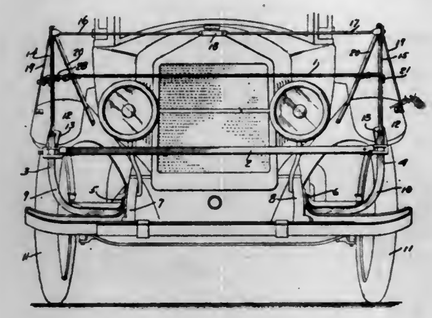
1. The method of forming thorium metal comprising preparing a solution thereof and depositing thorium therefrom electrolytically.

1,487,175. WINDOW-CLEANING DEVICE. SAM MITZENMACHER, Sr., and SAM MITZENMACHER, Jr., Chicago, Ill. Filed Aug. 31, 1922. Serial No. 585,576. 5 Claims. (Cl. 15—251.)



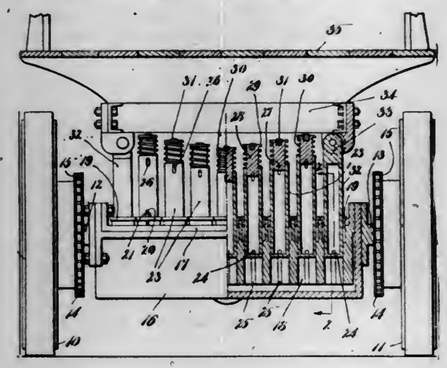
1. A window cleaning device provided with a housing having means thereon for detachably clasping a window sash rail, reversible cleaning means including bristles on one side and a rubber strip on the opposite side for washing and drying the window, means in said housing connected with said cleaning means for moving said cleaning means along the window in one direction, and flexible means for operating the device manually from the inside of the window in the opposite direction.

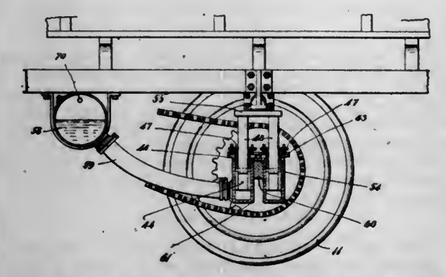
1,487,176. COLLISION SCREEN. WALTER J. MOORE, New York, N. Y. Filed Oct. 6, 1921, Serial No. 505,835. Renewed May 23, 1922. Serial No. 563,124. 20 Claims. (Cl. 293—54.)



1. A collision screen for automobiles which comprises a frame rigidly connected to the automobile at the front portion thereof and a plurality of collision straps disposed substantially horizontally on said frame, said straps disposed definitely with relation to the radiator and the lamps of the automobile and means adjustably connecting the straps to the frames.

1,487,177. VARIABLE LOAD-SUPPORTING AND SHOCK-ABSORBING DEVICE. OSCAR O. NYGAARD, Saugus, Mass. Filed Jan. 13, 1921. Serial No. 437,049. 41 Claims. (Cl. 267—34.)

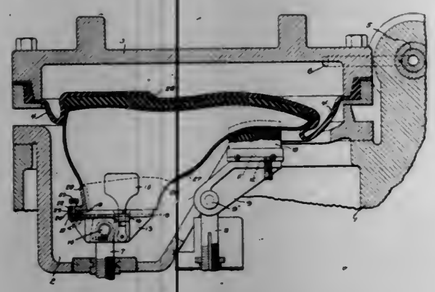




1. In a device of the class described, the combination of a pair of members spaced apart from but associated with and movable toward and from each other, a fluid holding tank, means for placing the contents of said tank under pressure, a plurality of means in said tank

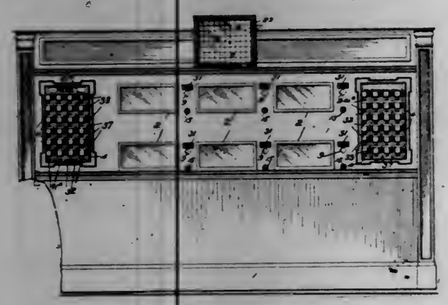
for yieldingly supporting one of said members on the other, and a plurality of other yielding supporting means in said tank brought into operation to assist said first supporting means as the pair of members approach each other.

1,487,178. LAST-POSITIONING DEVICE. HERBERT R. POLLEYS, New Haven, Conn., assignor to L. Candee & Company, a Corporation of Connecticut. Filed Feb. 11, 1922. Serial No. 535,789. 10 Claims. (Cl. 12—126.)



1. A last positioning device comprising a rest with which the top of the last may engage, spring pressed retaining means for the sides of the last pivoted to said rest, and a stop for one end of the last adjacent said retaining means and adjustable longitudinally of said rest.

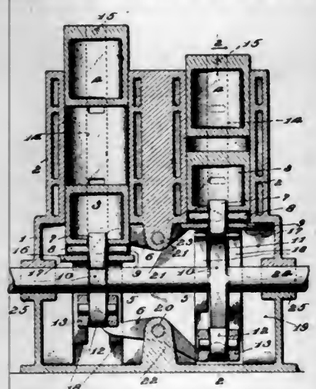
1,487,179. SYSTEM OF FOOD SERVICE. EDWIN P. PRATT, New York, N. Y. Filed Dec. 15, 1920. Serial No. 430,828. 12 Claims. (Cl. 186—1.)



1. A system of food service embodying food-delivery means, duplicate checks identifiable with a single order of food, one of which is delivered at the front of said food delivery means and the other at the rear thereof and annunciator mechanism operable from the rear of said delivery means and arranged to announce at the front thereof that the order of food corresponding to the duplicate checks has been delivered to said food-delivery means.

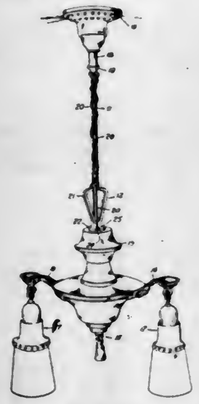
1,487,180. INTERNAL-COMBUSTION ENGINE. CHARLES REINEKE, New York, N. Y. Filed Oct. 1, 1920. Serial No. 414,049. 6 Claims. (Cl. 74—14.)

1. An internal combustion engine including a plurality of cylinders, a pair of opposed pistons arranged in each cylinder, a power shaft arranged beyond the portions of the bores of the cylinders in which the pistons move, cams arranged on said shaft, and oppositely arranged rollers connected to each pair of pistons and engaging



each of said cams, said rollers being arranged in offset relation relatively to the axis of the cylinder with which they are associated.

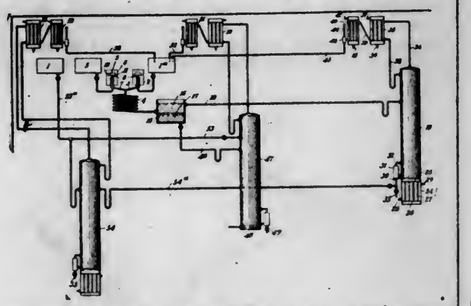
1,487,181. LIGHTING FIXTURE. FRANK H. ROBINSON, Bayonne, N. J., assignor to National Metal Spinning & Stamping Co., New York, N. Y., a Corporation of New York. Filed Oct. 31, 1922. Serial No. 598,075. 3 Claims. (Cl. 240—78.)



1. A supporting loop for lighting fixtures, comprising a loop portion and an integral annular end member, said end member being provided with a stepped bottom surface to project into said lighting fixtures and longitudinally disposed open channels on opposite sides thereof, said channels being of a depth projecting beyond the stepped surface, whereby direct communication is established between the outside of the annular member and the interior of the fixture.

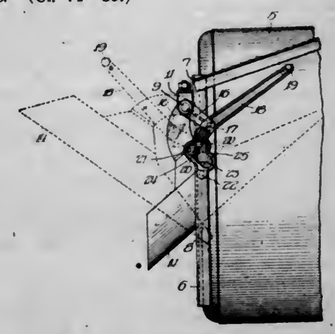
1,487,182. APPARATUS FOR OBTAINING ALCOHOL. WORTH H. RODEBUSH, Berkeley, Calif., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Apr. 14, 1921. Serial No. 461,303. 9 Claims. (Cl. 195—15.)

1. An apparatus for producing absolute alcohol comprising a combination of three column stills, a supply pipe for delivering liquid to the first still, a pipe from the third still to the first, a pipe from near the top of the second still leading to the first still, a condenser for each still, a liquid mixing device, a separating chamber



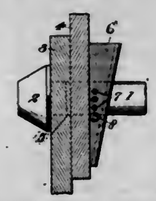
connected thereto, a pipe from near the top of the third still to the separating chamber, a pipe from the separating chamber to the second still.

1,487,183. LEVER CONSTRUCTION. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 19, 1923. Serial No. 613,625. 9 Claims. (Cl. 74—39.)



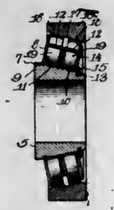
1. Shaft rocking means comprising an arm keyed to the shaft, a lever pivotally connected at a point intermediate its ends, to the end of the shaft arm, a thrust member carried by one end of said lever and a bearing adapted to receive the thrust member.

1,487,184. BOLTING-UP DEVICE AND TEMPORARY FASTENER. AUGUST SAUNIER, San Francisco, Calif., assignor of one-half to Edmund Nelson, Oakland, Calif. Filed Feb. 12, 1921. Serial No. 444,354. 3 Claims. (Cl. 85—8.)



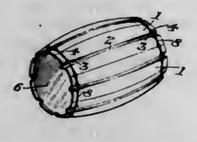
1. A bolting up device and temporary fastener for structural parts, comprising in combination a head and shank, said shank having a registering lateral slot, a double key, each of a wedge shape, connected together by a back plate, said back plate having a longitudinal slot adapted to engage said lateral slot and means to hold said key in position upon said shank.

1,487,185. ROLLER BEARING. FREDERICK GEORGE SEIFARTH, Chicago, Ill., assignor of one-half to James G. Wilson, Chicago, Ill. Filed July 14, 1923. Serial No. 651,614. 2 Claims. Cl. 64—62.)



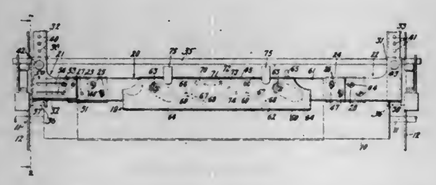
1. An anti-friction bearing comprising inner and outer bearing members, a plurality of groups of disks, the disks of each group arranged in series and interposed between said members, and annular retainers arranged back to back between the respective groups of disks and having lateral elements projecting in opposite directions to space the disks in the respective series, one of said bearing members having convex faces to contact separately with a portion of the periphery of each disk and the other bearing member having a straight face to contact with all of the periphery of each disk.

1,487,186. BARREL STAVE. HERBERT J. SMITH, Kearny, N. J., assignor to American Fibre Cooperage Company Inc., Dover, Del., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,306. 5 Claims. (Cl. 229—67.)



1. A barrel stave comprising a blank of paper-board having a continuous intermediate longitudinal groove therein increasing in depth and width from the center toward each end of the blank.

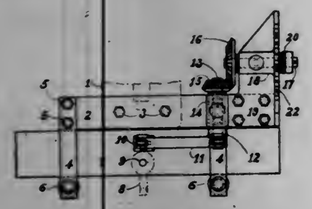
1,487,187. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 3, 1921, Serial No. 449,467. Renewed Dec. 21, 1922. 17 Claims. (Cl. 197—127.)



1. In a front-strike typewriting machine, the combination with a platen, of a collating table at the delivery side of the platen, means to detain said collating table at different heights above the printing line, said heights differing by line-space intervals in accordance with the depths of the headings on different sets of work-sheets above a line in which typing is to be effected when a work-sheet is inserted, a leading-edge gage associated with said collating table to be moved therewith, means for detaining said leading-edge gage at different line-

space positions with reference to said collating table, so that, after the table has been positioned for gaging work-sheets of one set and a work-sheet of that set has been inserted, the leading-edge gage may be moved upwardly to other line-space positions to gage the work-sheet for new lines without changing the adjustment of the collating table, and a side gage adjustable relatively to the collating table and transversely of the machine.

1,487,188. ADJUSTABLE TRACTOR HITCH. HARRY T. TERAY, Butler, Pa., assignor of one-half to Edgar C. Huselton, Butler, Pa. Filed Mar. 22, 1921, Serial No. 454,559. Renewed Aug. 29, 1923. 5 Claims. (Cl. 280—33.10.)



1. An adjustable tractor hitch comprising in combination, a member for attachment to the tractor and provided with horizontal lateral guiding means, a transversely sliding member having parallel front and rear guiding faces mounted in said guiding means and provided with means for connection thereto of a plow or other implement, actuating means attached to the said sliding member for shifting the same in opposite directions, the points of attachment to the sliding member of said means for connection and said actuating means being disposed relatively to each other whereby to render the sliding member reversible face for face.

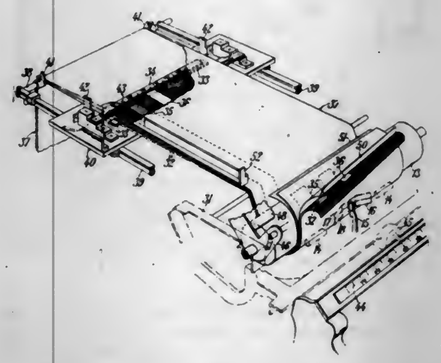
1,487,189. CLIPPER. LEO J. WAHL, Sterling, Ill. Filed July 6, 1920. Serial No. 394,055. 25 Claims. (Cl. 30—1.)



1. In a clipper the combination of a case, a clipper blade carried thereby, a movable clipper blade co-operating with the first mentioned blade, an electro-magnetic clipper blade driving mechanism, and a yielding driving connection between the clipper blade driving mechanism and the movable clipper blade for driving the blade and holding it to its seat.

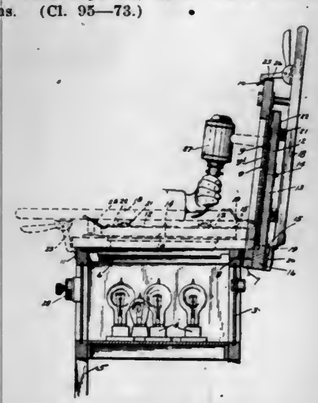
1,487,190. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 27, 1920. Serial No. 354,475. 4 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination with a letter-feeding revolvible platen, a letter scale therefor, and means for feeding superposed plies of web around the platen, of a carbon-sheet carrier in rear of the platen and movable backwardly away from the platen to shift interposed carbon sheets along the web, said carbon-carrier comprising a carbon-holding bar and a clip extending along the bar, both a full-width carbon-sheet and narrow columnar or zone carbon-strips superposed upon the carbon-sheet and all secured by their bottom edges by means of said clip, whereby to advance said sheet and strips bottom ends first along said web, and means comprising a strip-positioning scale on said carbon-carrier



auxiliary to said platen scale and marked in accordance therewith but distant from the printing field of the typewriter for locating the zone strips by their bottom ends laterally relatively to said platen scale, preparatory to covering up the strips and scale by the work-sheet, whereby predetermined zones or columns, the position of which is determined by the use of said platen scale, may be typed in contrasting colors upon certain plies of web.

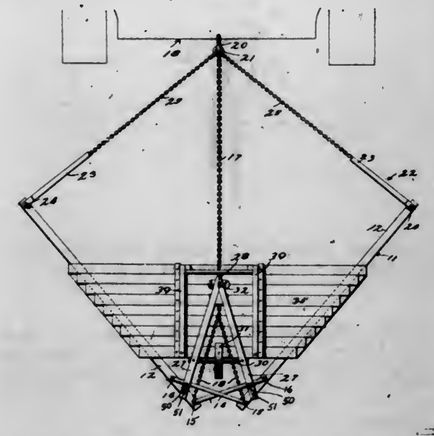
1,487,191. PHOTOGRAPHIC-PRINTING MACHINE. JOHN M. WELCH, Minneapolis, Minn., assignor to Pako Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,663. 3 Claims. (Cl. 95—73.)



2. The combination with a lamp house, of a printing head frame having a transparent plate and hinged to said lamp house, a presser board located above and hinged for movements in respect to said head frame, a presser lever hinged above said presser board, yielding means interposed between said presser lever and presser board and operative to clamp a negative and print between said board and the transparent plate of said presser head, and means for locking said presser lever to said head frame, whereby said head frame, presser board and presser lever may be moved together, with the print and negative clamped as stated.

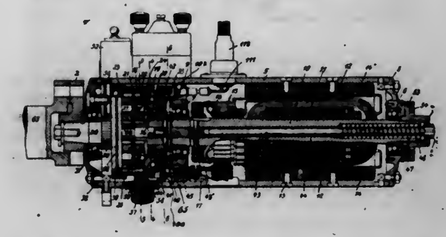
WITHDRAWN

1,487,192. ROAD DRAG. [illegible] WICKENS, Avon, [illegible]. Filed [illegible], 1920. Serial No. 424,897. 7 Claims. (Cl. 37—170.)



1. In a road drag, the combination with a pair of forwardly divergent rearwardly convergent side members; of crossed rigid connections each pivotally connected at its opposite ends to the respective side members at points adjacent to the rearward ends of the latter.

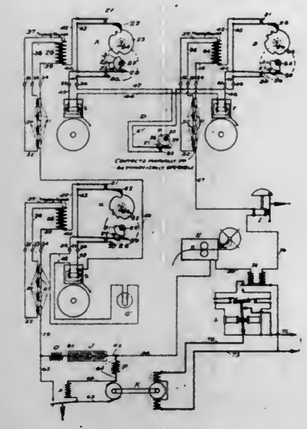
1,487,193. STARTER FOR INTERNAL-COMBUSTION ENGINES. ARPAD BARENYI, Berlin-Lichterfelde, Germany. Filed Jan. 13, 1923. Serial No. 612,544. 3 Claims. (Cl. 290—22.)



1. In an internal-combustion engine, and in combination with an engine shaft, a motor-dynamo having an extensible and retractable two-part shaft, one of said shaft-parts carrying the armature of the motor-dynamo, the other shaft-part carrying a make-and-break device for the armature windings, means for effecting relative shifting of the shaft parts, and power-transmission means connecting the dynamo-motor shaft with the engine shaft and adapted to transmit rotation of the extended motor-dynamo shaft to the engine shaft at undiminished speed, to transmit rotation of the retracted motor-dynamo shaft to the engine shaft at diminished speed, and to transmit rotation of the engine shaft to the motor-dynamo shaft at undiminished speed.

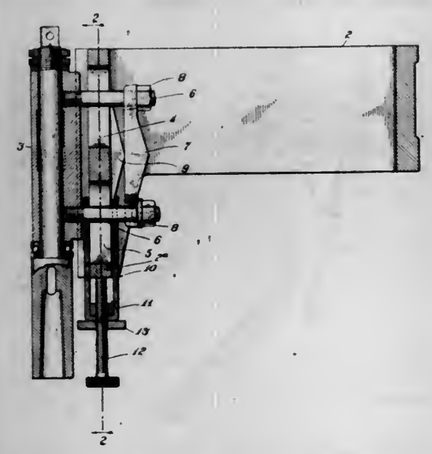
1,487,194. SIGNALING SYSTEM. CLARENCE E. BEACH, Binghamton, N. Y. Filed Oct. 9, 1919. Serial No. 329,603. 18 Claims. (Cl. 177—360.)

16. In a signal transmitter,—a normally wound train, differentially wound electro-magnetic releasing means for said train, normally closed code signaling contacts operable by said train to formulate a predetermined code one or more times, normally closed shunting contacts so controllable by said train in running as to remain closed during initial action thereof to formulate such code one or more times, and to be thereafter held open during



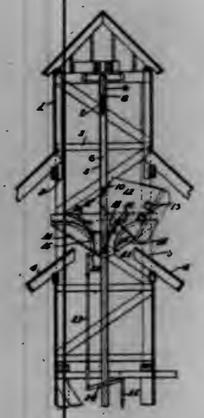
action of said train to formulate said code signal an additional one or more times, and suitable conductors serially connecting one of said magnet windings, the signaling contacts and the shunting contacts.

1,487,195. MULTIPLE DRILL. VERE C. BLACKMAN, Fond du Lac, Wis., assignor to The National Automatic Tool Co., Richmond, Ind., a Corporation of Indiana. Filed Mar. 30, 1920. Serial No. 369,944. 4 Claims. (Cl. 77—24.)



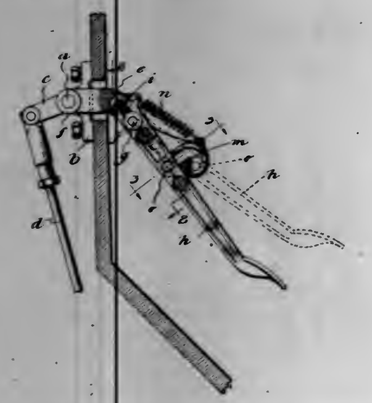
1. In spindle supporting apparatus, the combination with an arm, a spindle bearing slidably fitting the end face of the arm, and means for clamping the bearing against the arm; of a vertical adjusting screw located at the inner side of the bearing in the general plane of the same and the arm and engaging a depending portion of the latter and being manipulatable from below, said screw being coactively related to the bearing whereby to assist the clamp in holding the tool to its work besides providing for a fine vertical adjustment of the bearing to the work in hand.

1,487,196. MATERIAL-HANDLING DEVICE. CARL F. BLEDSOE, Chicago, Ill. Filed June 16, 1922. Serial No. 568,698. 5 Claims. (Cl. 214—120.)



1. A material handling device, comprising a housing, a bucket, means for hoisting said bucket, a switch mechanism at a predetermined elevation in said housing for causing automatic dumping of said bucket at said predetermined elevation, and means operable from the base of said housing for positively operating said switch to cause dumping of said bucket in one of a plurality of directions.

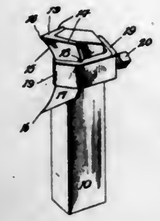
1,487,197. ADJUSTABLE PEDAL. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed June 18, 1923. Serial No. 646,122. 6 Claims. (Cl. 74—81.)



1. In an adjustable pedal, a two-part lever having the two parts provided with an interengagement consisting of a pin and a plurality of notches the pin being engageable in a selected notch to alter the adjustment of the pedal, and means for holding the pin in such selected notch.

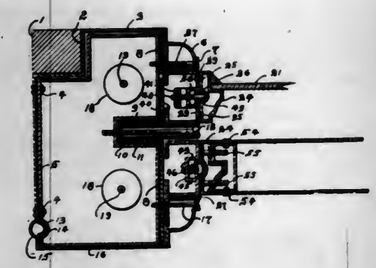
1,487,198. MINING-MACHINE BIT. NEWTON K. BOWMAN, North Lawrence, Ohio. Filed Aug. 17, 1920. Serial No. 404,108. 10 Claims. (Cl. 262—33.)

9. In a mining machine, the combination with a stock, of a reversible tooth having lateral wings, and means engaging the tooth between the ends thereof for rigidly securing the tooth in position on the stock with the



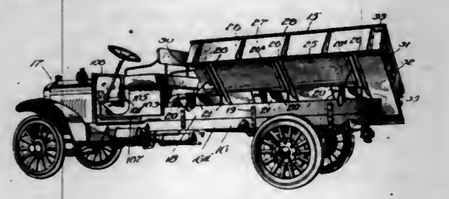
lateral wings bearing firmly against said stock to provide a backing for the working end of the tooth.

1,487,199. WINDOW STRUCTURE. HARRY E. BRADNER, Fremont, Ohio, assignor, by mesne assignments, to The Twin-Plex Reversible Window Company, Inc., Buffalo, N. Y., a Corporation of Delaware. Filed Apr. 11, 1921. Serial No. 460,205. 4 Claims. (Cl. 189—69.)



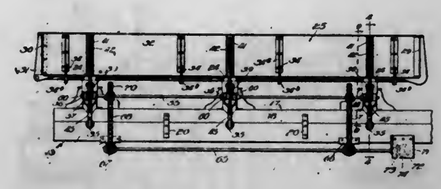
1. A compound side rail for sash including a primary sash member of closed figure cross-section and provided with a weather strip receiving channel, a hollow cross rail, a corner block fitting into the cross rail terminating therewith and contoured to seat against inner side of the sash member as extending over the end of the cross rail and means for anchoring the block to said member and rail.

1,487,200. AUTOMATIC DUMP CAR. ANTON BREZOVITZ and ABRAHAM L. HERR, South Bend, Ind. Filed Mar. 17, 1919. Serial No. 283,243. 14 Claims. (Cl. 298—13.)



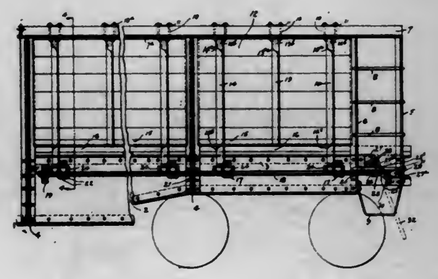
1. In combination, a frame, a body movable on said frame, a door hinged on said body, an operating lever pivoted on said frame and extending alongside of said door to maintain the same in closed position, said lever having a sliding connection with said door, and means for moving said body toward said lever with respect to said frame, whereby said door is automatically opened.

1,487,201. DUMP CAR. ANTON BREZOVITZ and ABRAHAM L. HERR, South Bend, Ind. Filed Apr. 24, 1919. Serial No. 293,340. 15 Claims. (Cl. 298—13.)



1. The combination in a dump car of a supporting frame, a body adapted to move laterally and tilt on said frame, a transmission shaft carried by said frame, means operated by said transmission shaft for moving and tilting said body, means for locking said body in position on said frame, and means operated simultaneously with the starting operation of said moving means for releasing said locking means.

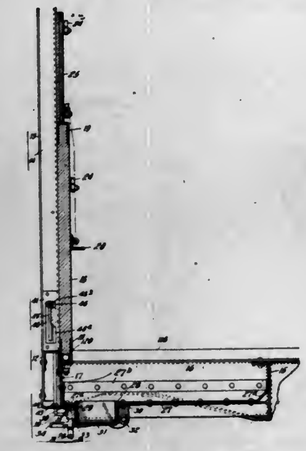
1,487,202. LOAD-DISCHARGING CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1922. Serial No. 598,468. 18 Claims. (Cl. 105—258.)



16. In a dump car having a bottom side sill, a side top member, vertical stakes connected respectively to the side sill and top member, and a floor extending outwardly beyond said side sill: the combination with swinging doors hinged to said top member and having extensions projecting downwardly beyond the free edges of the doors, said extensions being deflected inwardly to points beneath the floor of the car when the doors are in closed position; of slotted brackets secured to the side sill; a shaft extended through said stakes; and latch members secured to said shaft and extended upwardly through said slotted brackets and engageable with the door extensions.

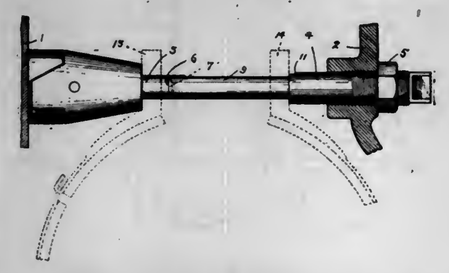
1,487,203. CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1922. Serial No. 599,631. 14 Claims. (Cl. 105—239.)

1. In a car for the carrying of grain and the like having a door opening and a displaceable floor section adapted to constitute either a portion of the car floor when in one position, or a door for said opening when in another position; a sub-floor adjacent said door opening adapted to be covered at times by said floor section and spaced an appreciable distance therebelow; a discharge door for said sub-floor, said discharge door being of small



area compared to the area of the sub-floor and located closely adjacent the side of the car; and means for locking said discharge door in closed position.

1,487,204. AUTOMOBILE BAND-BRAKE ATTACHMENT. VICTOR R. CARLSON, Duluth, Minn., assignor of one-half to Anton Hanson, Duluth, Minn. Filed Jan. 16, 1922. Serial No. 529,685. 2 Claims. (Cl. 188—2.)

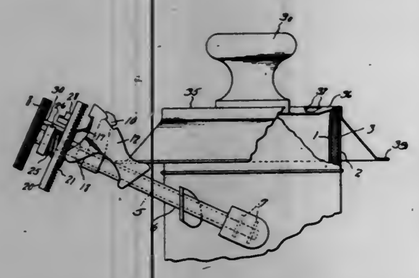


1. Band adjusting means of the character described comprising a reciprocal separable shaft and longitudinally yieldable means for automatically holding the separable parts of the shaft abutting each other.

1,487,205. PROCESS FOR THE REMOVAL OF FLUORINE COMPOUNDS FROM PHOSPHORIC ACID. JOHN N. CAROTHERS and ARTHUR B. GERBER, Anniston, Ala., assignors to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Filed Jan. 7, 1922. Serial No. 527,686. 7 Claims. (Cl. 23—1.)

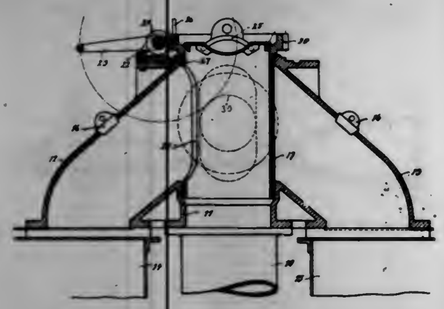
1. A process for the elimination of hydrofluoric acid from an aqueous solution of hydrofluoric acid and phosphoric acid, which consists in adding to said solution a silicate, and precipitating a fluorine compound, substantially as described.

1,487,206. LIQUID-FUEL BURNER. LEE S. CHADWICK, Shaker Heights Village, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 26, 1921. Serial No. 448,110. 10 Claims. (Cl. 67—66.)



1. In combination with a burner involving a wick guide and means for raising the wick, a movable stop for limiting the movement of said means, means for locking said stop against movement, and a device adapted to be placed over the wick guide and serving to arrest movement of the wick in an upward direction above a predetermined point, said device when in such position cooperating with and rendering the locking means ineffective.

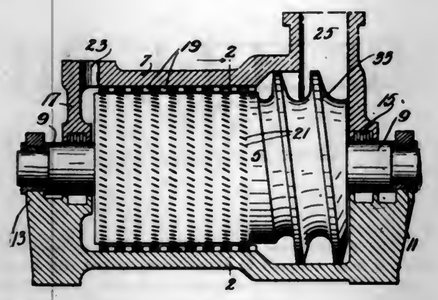
1,487,207. GAS VALVE. HEINRICH CLAUSING, Bochum, Germany. Filed Mar. 8, 1922. Serial No. 542,125. 3 Claims. (Cl. 251—95.)



1. A gas valve for gas and coke ovens comprising in combination, a substantially cylindrical valve casing and a hollow cylindrical plug open at the bottom extending from above into said casing in contact with the casing wall, a flange formed around the upper end of said plug being pressed against the upper edge of said valve casing solely by the weight of said plug.

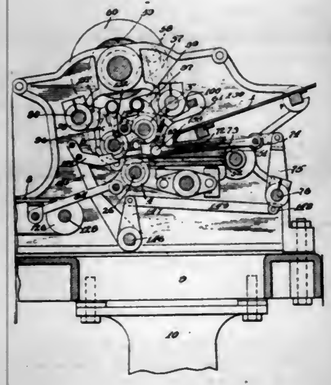
1,487,208. AGITATING AND MIXING DEVICE. GORDON C. COOKE, Paterson, N. J., and JAROSLAV A. MICHAL, Brooklyn, N. Y., assignors to The Turbinator Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 13, 1922. Serial No. 606,585. 7 Claims. (Cl. 259—9.)

1. In an agitating and mixing device, a rotor adapted to be driven at high peripheral speed and provided on its periphery with a multiplicity of circumferential rows of radially extending blades, and a casing for the rotor provided on its inner periphery with circumferential rows of blades alternating with the rows of blades on the rotor, said blades on the rotor and on the casing being



set at inclinations to deflect material from row to row through the device and to present cutting edges against which particles of material are projected.

1,487,209. WRAPPING MACHINE. SIMON COOPER, Brooklyn, N. Y., assignor to Ideal Wrapping Machine Company, a Corporation of New York. Filed May 14, 1920. Serial No. 381,453. 21 Claims. (Cl. 93—5.)

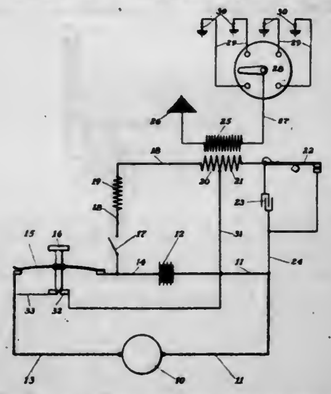


1. The method of wrapping cylindrical articles comprising passing a strip of wrapping material obliquely across the path of movement of such article, cutting the strip parallel to such path of movement, rotating the object to wrap the strip therearound, and whilst the object is still rotating gripping the ends of the wrapping material to cause the latter to be twisted around the ends of the object.

1,487,210. STARTING AND IGNITION SYSTEM. HENRY R. DAVIES, New York, N. Y., assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 28, 1919, Serial No. 293,176. Renewed June 25, 1923. 5 Claims. (Cl. 290—38.)

1. In a starting and ignition system for gas engines, a motor for revolving the engine shaft at starting, a battery electrically connected to said motor, an ignition coil comprising two series primary windings of different

resistance wire, said windings being connected to take current from said battery, a starting switch for the



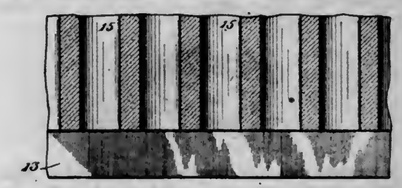
motor circuit, and a shunt also controlled by said switch extending from the juncture of said windings around the winding of greater resistance wire.

1,487,211. SUSPENDERS. JAMES ALEXANDER, Pittsfield, Mass. Filed Dec. 22, 1922. Serial No. 608,479. 2 Claims. (Cl. 241—19.)



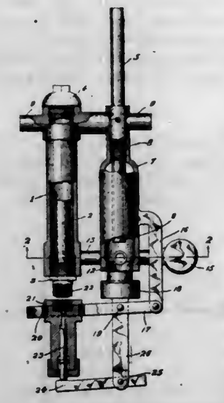
1. In combination in suspenders, a pair of shoulder straps having the back ends overlapping one another, a connecting piece overlaying said overlapping ends, having the opposite side edges in parallelism, and being provided with a downwardly directed extension, a single coil spring connected to said extension and extending downwardly therefrom, a socket structure composed of a front wall and a rear wall serving as a housing for said spring and the adjacent portion of said connecting piece, the lower end portion of said socket structure having a tab loop and also being connected to the lower end of said spring, and the upper end portion of said socket structure having the interior side walls that are opposed to said side edges also in parallelism so as to cooperate therewith as guide means under conditions involving telescopic movements of the parts.

1,487,212. SYSTEM OF BUILDING CONSTRUCTION. RALPH L. COBURN, San Francisco, Calif. Filed Oct. 5, 1920. Serial No. 414,863. 3 Claims. (Cl. 25—157.)



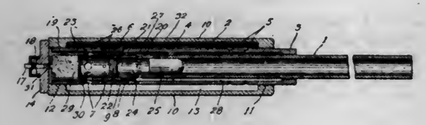
1. A method of constructing building walls consisting of casting a permanent vertical wall of unbaked clay, forming said wall with a series of vertically extending passageways on its interior and a horizontally extending passageway at its base communicating with all of the said vertical passageways, and baking the material of said wall by means of heat applied within the communicating passageway.

1,487,213. GUN. RICHARD LEE DEZENDORF, Richmond Hill, N. Y. Filed June 30, 1920, Serial No. 392,911. Renewed Sept. 22, 1923. 5 Claims. (Cl. 89—1.)



1. In a gun, the combination of an explosion chamber having a breech-lock and a firing pin, a projectile chamber, a connection between said chambers such that gases can pass from said explosion chamber to said projectile chamber, a trap for liquid in said connection such that liquid therein normally separates said two chambers and means for supplying liquid to said trap independently of said chambers.

1,487,214. FIREARM AND AMMUNITION THEREFOR. RICHARD L. DEZENDORF, Richmond Hill, N. Y. Filed Mar. 18, 1921, Serial No. 453,334. Renewed June 12, 1923. 5 Claims. (Cl. 89—1.)



1. The combination of a cartridge casing having a chamber for explosive, a projectile, and a partition between said chamber and projectile and so located as to leave a chamber between it and said projectile, the walls of said chambers being perforated.

2. The combination of a cartridge having a chamber for explosive, a projectile, a partition between said chamber and projectile and so located as to leave a chamber between it and said projectile, the walls of said chambers being perforated, and a firearm having a portion engaging said cartridge between said perforations, and having a tortuous passage around said portion connecting the perforations in said respective walls.

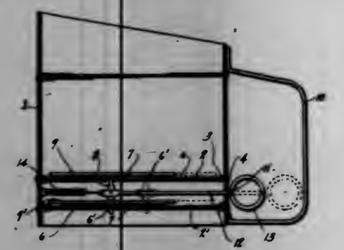
1,487,215. FLOSS CONTAINER AND PASTE EXPRESSOR. RICHARD TOZER DIAL, Columbia, S. C. Filed Nov. 3, 1922. Serial No. 598,797. 3 Claims. (Cl. 221—60.)



2. A dental floss container, provided with a detachable cap having a perforation for the floss, and means for engaging a collapsible tube, said means consisting of a U-shaped bar connected with the tube.

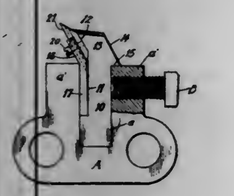
3. A dental floss container, provided with a handle to rotate the same, and means for engaging a collapsible tube.

1,487,216. FLOUR SIFTER. ROY N. DICKEY, Seattle, Wash., assignor, by direct and mesne assignments, to Meets-A-Need Manufacturing Co., a Corporation. Filed May 28, 1923. Serial No. 642,124. 1 Claim. (Cl. 83—60.)



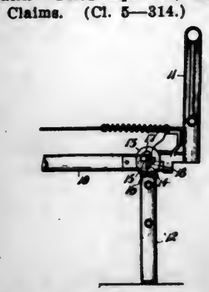
A flour sifter comprising a casing provided with a handle and having an opening in the wall directly within the handle, a plurality of sifting screens in the casing in spaced relation, supporting bars for the screens having longitudinally extending slots therein, agitators mounted above the screens for reciprocal movement thereon, and a shaft extended through said slots and connecting said agitators, a link slidable through said casing opening fixed at its inner end to said agitator connecting shaft, and having an actuating loop at its outer end, and a spring fixed to the casing and to the said link to yieldingly resist its outward movement.

1,487,217. MINING-MACHINE BIT. JAMES F. DILLON, Crown City, Ohio, assignor to Newton K. Bowman, Bowdill, Ohio. Filed Sept. 16, 1920. Serial No. 410,593. 10 Claims. (Cl. 262—33.)



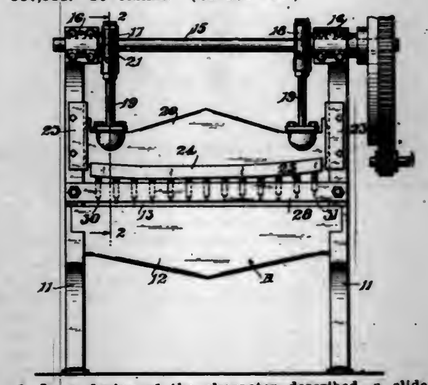
1. A bit for mining machines including a sectional stock, a tooth removably disposed between said sections, and a screw holding the sections in engagement with each other and clamping the tooth in place, said screw passing through the tooth.

1,487,218. FOLDING BED. NAPOLEON B. DOUGLASS, Oakland, Calif. Filed Apr. 27, 1921. Serial No. 464,812. 2 Claims. (Cl. 5—314.)



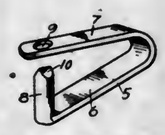
1. A folding bed comprising a frame pivotally mounted at one end for folding movement, a pendant supporting leg at the opposite end of the frame and a hinged connection between the leg and frame comprising a pin elongated in the direction of the axis of the leg and fixed upon one of the hinged members, the other member having vertical and horizontal slots crossing each other, the material at the upper inside corner and the lower outer corner between the cross slots being cut away to allow the pin to turn therein through an arc of approximately 90° when the leg is hanging pendant and the vertical slot being extended slightly at one end to form a pocket or seat for the pin when the frame is resting on the leg whereby to lock the leg against swinging movement.

1,487,219. MULTIPLE PUNCH. EDWARD J. DREIS, San Francisco, Calif. Filed Sept. 11, 1922. Serial No. 587,518. 10 Claims. (Cl. 164—90.)



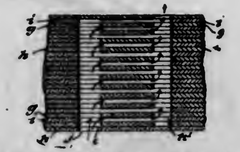
1. In a device of the character described, a slide, a plurality of dies disposed in line formation and carried by said slide, and means for simultaneously imparting vertical reciprocating and endwise rocking movement to said slide whereby to cause said dies to operate in successive order.

1,487,220. EAR TAG. PETER F. ELZI, Denver, Colo. Filed Jan. 16, 1922. Serial No. 529,519. 3 Claims. (Cl. 40—3.)



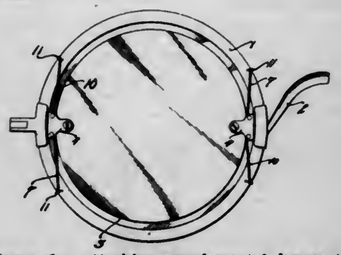
1. A marking tag for animals consisting of a pliable clip having an aperture and a round pin adapted to pass through said aperture, the end of the pin being beveled to a transverse edge for the purpose specified.

1,487,221. DEVICE FOR COOLING ELECTRIC MACHINES. PAUL EHRMANN, Paris, France. Filed Mar. 28, 1921. Serial No. 456,136. 1 Claim. (Cl. 171—252.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



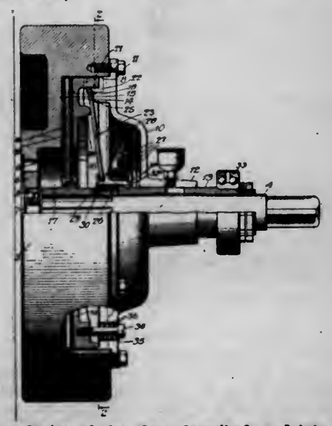
A laminated mass for electric machines, comprising a front plate provided with an air-inlet opening, a back plate provided with an air-outlet opening off-set relative to the said air-inlet opening, a plurality of plates intermediate the said front and the said back plate, each provided with an opening in line with the said air-inlet opening, and an opening in line with the said air-outlet opening, and plates interposed between the said other plates provided with an elongated opening, having its ends in line both with the said air-inlet and the said air-outlet openings of the said front and back plates.

1,487,222. SPECTACLES. THOMAS R. EVANS, Philadelphia, Pa. Filed July 11, 1922. Serial No. 574,319. 6 Claims. (Cl. 2—149.)



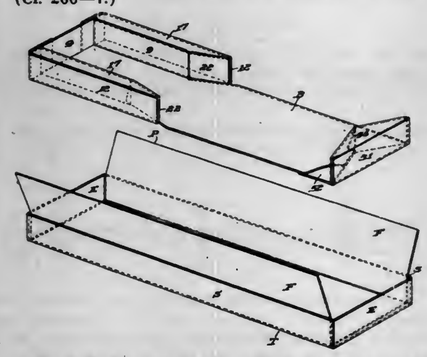
1. Means for attaching supplemental lenses to spectacles consisting of clips secured to the supplemental lens, and spring wires having one end coiled and mounted in the clips and the other end adapted to engage a lens rim of the spectacles.

1,487,223. CLUTCH. THOMAS L. FAWICK and PERCY H. BATTEN, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a Corporation of Wisconsin. Filed July 28, 1919. Serial No. 313,720. 4 Claims. (Cl. 192—68.)



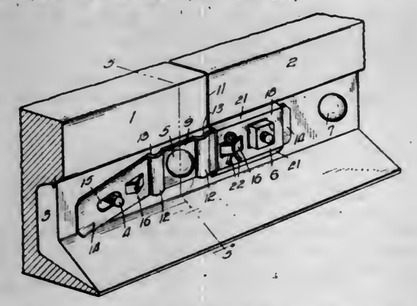
3. In a device of the class described, a driving and a driven part co-axially arranged, one of said parts having an axially movable clutch member and an axially immovable clutch member and the other of said parts having a friction disc intermediate said movable and immovable clutch members, a series of fulcra on the movable clutch member, corresponding fulcra on the axially immovable clutch member, a series of levers engaging corresponding fulcra on the axially movable and immovable clutch members, said levers having plane surfaces engaging the fulcra and rolling thereon.

1,487,224. BOX. ROBERT A. FERGE, Pottstown, Pa. Filed Apr. 4, 1922. Serial No. 549,393. 3 Claims. (Cl. 206—7.)



1. A blank adapted to be positioned in a rectangular tray and having a part arranged to form a base and portions adjacent one end thereof so cut and scored that when bent to a predetermined position prior to insertion in the tray a filler will be formed at one end of the base triangular in planary outline and having walls extending substantially normal to the base, said blank for the purpose of forming said filler being provided with scores disposed to define an isosceles triangle with its altitude parallel to the center line of the base but laterally spaced therefrom, similar rectangular portions extending from the sides of the triangle and each defined by cut and scored lines, and a tab in the form of an equilateral triangle extending from one of the longer sides of one of said rectangular portions and adapted when the blank is bent to final position to partially enter beneath the base.

1,487,225. COMBINED NUT LOCK AND BOLT-STRETCH TAKE-UP MEANS. PAUL T. FIEHLER, Maplewood, Mo. Filed June 25, 1923. Serial No. 647,547. 7 Claims. (Cl. 151—54.)



1. A combined nut lock and bolt stretch take up device comprising a non-yieldable bearing plate held in position by means of a bolt, a yieldable nut embracing end section integral with the non-yieldable bearing plate and having an opening for the passage of a second bolt, a lock plate having an opening for the reception of a nut carried by said second bolt to prevent rotation of the nut upon the bolt and means for removably securing said nut lock plate upon said yieldable nut embracing end section.

1,487,226. CAKE CUTTER. CARL A. FRAHM, Canton, Ohio. Filed May 5, 1922. Serial No. 558,650. 15 Claims. (Cl. 107—51.)



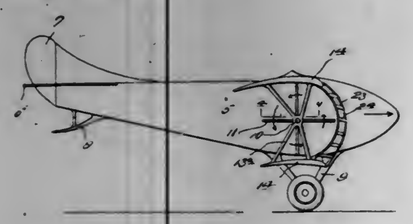
1. In a cake cutter, a cutter carrying bearing head having a constricted neck portion, and a handle having its end walls seated in said constricted neck portion.

1,487,227. RAILWAY-CROSSING SIGNAL. CHARLES E. FRY, Bloomfield, Iowa. Filed Oct. 26, 1923. Serial No. 670,957. 1 Claim. (Cl. 246—295.)



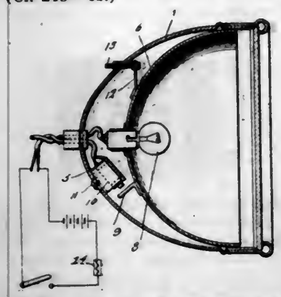
A railway crossing signal including a bell mounted for swinging movement on a post adjacent a crossing, and operating means for swinging the bell located at a point remote from said crossing and having a support adjacent the track, a rock shaft rotatably mounted in said support and extending under one of the rails of said track, a curved ramp formed on the end of the rock shaft adjacent the rail, a laterally extending arm on the other end of said shaft, guide pulleys mounted on said support, a flexible connection between said arm and said bell and extending over said guide pulleys whereby the bell may be actuated in the rocking movement of said arm through the engagement of the wheels of the rail vehicle with said ramp, another guide pulley mounted adjacent the normal plane of the end of said laterally extending arm on the rock shaft, a flexible cable connected with the end of said arm and extending over said last mentioned pulley, a weight mounted on the end of said last mentioned cable for normally rotating said shaft in one direction to position the ramp for engagement with the wheels of the vehicle on said rails, and means for limiting the movement of the arms under the action of the weight.

1,487,228. AEROPLANE. EMILIO GARCIA, Bethlehem, Pa. Filed Jan. 23, 1924. Serial No. 688,457. 4 Claims. (Cl. 244—15.)



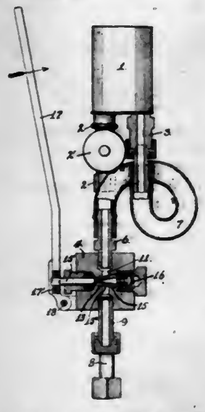
1. In an aeroplane, a fuselage having transversely and horizontally disposed paddle wheel propellers at opposite sides thereof, pairs of normally superimposed horizontal planes disposed at opposite sides of the fuselage, the planes of each pair being respectively disposed above and below the adjacent propeller, means for mounting said planes upon the fuselage for movement in a circular path concentric with the axis of the propellers, and means for moving said planes.

1,487,229. LAMP. FRANCIS LON GARRISON, Connersville, Ind. Filed Feb. 20, 1922. Serial No. 538,099. 1 Claim. (Cl. 245—41.)



A lamp of the character described comprising a casing, a reflector pivotally secured within the casing on diametrically opposite sides thereof, a set screw threadedly secured to the casing and having its respective ends arranged interiorly and exteriorly thereof, a left spring swivelled to the inner end of the set screw and depending therefrom for engaging and holding the reflector in normal position, and means arranged in the casing and carried by the reflector for tilting the latter as and for the purpose specified.

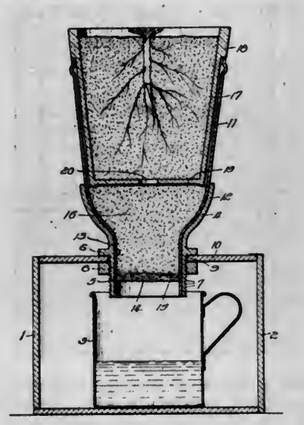
1,487,230. CONTROL DEVICE FOR CUTTING AND WELDING TORCHES. WILLIAM E. GASKIN, Oakland, Calif. Filed Dec. 26, 1922. Serial No. 609,060. 2 Claims. (Cl. 158—27.4.)



2. A control device for cutting and welding torches comprising a block having through passages; fittings at each end of each passage communicating with the sources of gas supply and with the inlet fittings to the torch; conical taper-bored valves slidably mounted in said block and traversing its through passages, said valves having restricted ports for the passage of a small volume of gas for the pilot light; needle valves seated in the taper-bore of said valves for controlling said restricted ports; springs for holding said taper-bored valves in normally closed position; and a lever pivoted to said block and engaging said taper-bored valves to simultaneously open them.

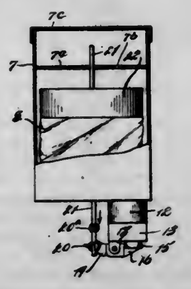
1,487,231. FLOWERPOT HOLDER. RADY GEORGE, Springfield, Ill. Filed Apr. 17, 1922. Serial No. 553,643. 2 Claims. (Cl. 47—40.)

1. In a flower pot holder structure, a hollow base having a door, said base adapted to receive and conceal a removable water drain receptacle, a sleeve fixed to the top wall of the hollow base, a flower pot holder terminating at its lower end in a tubular drain neck having its lower end open, said drain neck passing through the sleeve and extending into the base a short distance above



the water drain receptacle carried therein and a screen disposed within said drain neck near the lower end thereof to act as a floor for moss and sand adapted to be deposited within the drain neck of the flower pot holder.

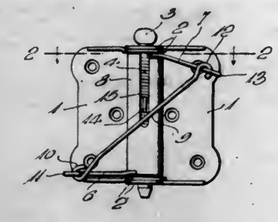
1,487,232. VOICE FOR DOLLS. ARTHUR A. GERLING, New York, N. Y., and GEORGE A. L. DU VIGNEAU, North Bergen, N. J. Filed Mar. 4, 1922. Serial No. 541,000. 3 Claims. (Cl. 46—46.)



2. In a sound producing device, a reed, a bellows to force air therethrough, said bellows having a movable member, an air chamber containing the reed having an opening, an arm pivotally mounted adjacent said chamber, a valve at one end of the arm to close said opening, said valve being arranged to open by gravity, the opposite end of said arm being yieldable, and means operable by the movable member of the bellows to contact with the yieldable portion of the arm to close said valve at intervals during the passage of air through said reed.

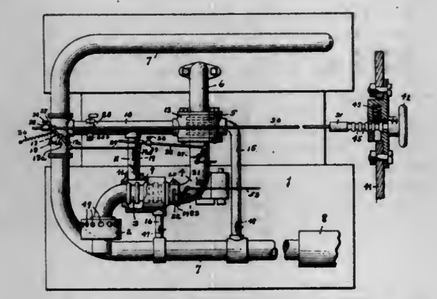
1,487,233. SCREEN-DOOR HINGE. PATRICK JOSEPH GLANCEY, Scranton, Pa. Filed Apr. 2, 1923. Serial No. 629,485. 2 Claims. (Cl. 16—189.)

1. A hinge comprising a pair of leaves having overlapping ears and a removable pintle passing therethrough, a coiled spring surrounding said pintle and having oppositely extending arms at its ends acting on said leaves, and an arm holding member adapted to extend across said spring and designed for connection with said arms



to hold the spring against action when said arms have been moved into angular relation with each other, permitting easy removal of the pintle.

1,487,234. CARBURETOR. WILLIAM S. GUTHRIE, Terrell, Tex., assignor to Marvel Carburetor Company, Flint, Mich., a Corporation of Indiana. Filed Feb. 12, 1921. Serial No. 444,325. 22 Claims. (Cl. 123—122.)



1. In combination with an internal combustion engine, of an intake passage communicating with said engine, a heater for heating said intake passage, means for supplying exhaust gases from the engine to said heater, a throttle for the intake passage, a valve to vary the flow of exhaust gases to said heater, means for jointly operating said throttle and said valve, and additional means for controlling said valve so that the throttle may be operated without imparting movement to said valve.

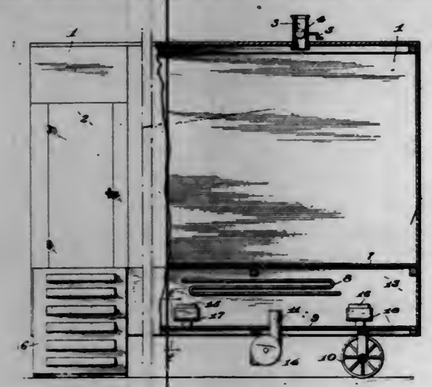
1,487,235. BATTERY COMPOUND. ALBERT E. HANSON and HOWARD MOE, St. Paul, Minn. Filed Sept. 9, 1922. Serial No. 587,216. 3 Claims. (Cl. 204—38.)

1. A battery compound made in dry or solid form adapted to be dissolved in liquid when used in a battery, said dry compound comprising Epsom salts, powdered alum, glycerine, hydrate of potash and ammonium sulphate.

1,487,236. CYANIDE BOX. PARLEY FREEMAN HARRIS, Nashville, Tenn. Filed Dec. 23, 1922. Serial No. 608,685. 3 Claims. (Cl. 167—3.)

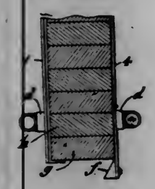
1. In an apparatus for treating articles with hydrocyanic acid gas, the combination of an air tight enclosure; a vent for said enclosure; a valve controlling said vent; a support for said articles in said chamber; an air tight door for entering said enclosure; air tight means

for introducing a cyanide solution from the outside into said enclosure; heating means for raising the tempera-



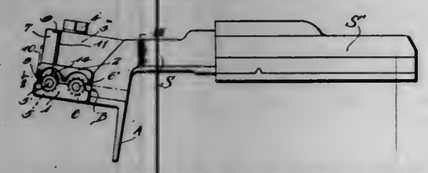
ture of said enclosure; and means for blowing fresh air through said enclosure after the cyaniding operation has been completed.

1,487,237. HEEL-BLANK SEPARATOR. NATE HATTENBACH, Columbus, Ohio, assignor to Brockton Heel Company, Inc., Brockton, Mass., a Corporation of Massachusetts. Filed Sept. 20, 1919, Serial No. 325,201. Renewed Feb. 1, 1924. 5 Claims. (Cl. 12—42.)



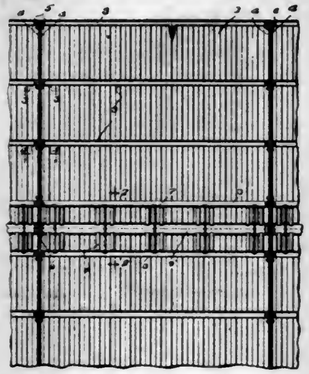
4. A chute in which heels are confined in a column and from which they are propelled by steps, said chute having opposite sides separable one from the other against yielding resistance, and one of said sides projecting beyond the termination of the other at the outlet end and having an inclined displacing element facing toward the other side, arranged and adapted to displace the emerging endmost heel laterally with respect to the superposed pile of heels.

1,487,238. THREAD-CUTTING ATTACHMENT FOR LOOM TEMPLES. HENRY JOHN HEDLER, Occum, Conn. Filed Nov. 9, 1922. Serial No. 599,843. 5 Claims. (Cl. 139—302.)



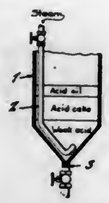
1. The combination with a loom temple including a box and a temple roller, of thread engaging means actuated by said roller, a blade carrying frame, loosely connected at its lower end to said thread engaging means and its upper end removably secured to said box, and a cutting blade mounted on and co-acting with said carrying frame to cut the threads.

1,487,239. FORM. RICHARD M. HENDRICKSON, Havre, Mont. Filed May 21, 1923. Serial No. 640,474. 4 Claims. (Cl. 25—131.)



1. A form of the class described comprising vertical sheets of corrugated metal, horizontal sheets of flat metal fastened to the corrugated sheets, angle irons fastened to the outer faces of the corrugated sheets, and angle irons at the vertical edges of the sheets with the flanges fastened to the flat sheets.

1,487,240. PROCESS OF TREATING ACID SLUDGE. EMERSON C. HIGGINS, Jr., Tulsa, and OSSINO C. SMITH, Sand Springs, Okla., assignors of one-half to Cosden & Company, Tulsa, Okla., a Corporation of Delaware. Filed Sept. 24, 1920. Serial No. 412,613. 6 Claims. (Cl. 196—28.)

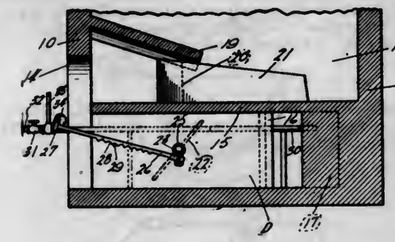


1. In the art of converting acid sludge obtained from the treatment of petroleum products with sulphuric acid into liquid fuel, the process of rendering acid cake derived from said acid sludge soluble in hydrocarbon oil, consisting in treating a mixture of acid cake and hydrocarbon oil with an alkali, and agitating the resultant mixture with steam, whereby a homogeneous liquid fuel is obtained, substantially as described.

1,487,241. LIQUID OR GASEOUS FUEL BURNING FURNACE. ORVILLE L. M. HOOVER, Dallas, Tex., assignor of one-half to M. D. Hoover, Dallas, Tex. Filed Jan. 22, 1923. Serial No. 614,152. 2 Claims. (Cl. 158—1.)

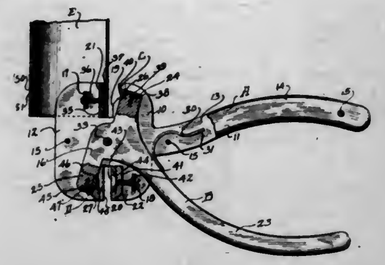
1. In a furnace of the character described, a housing divided into superposed pre-heating and combustion chambers having communicating openings at their forward ends at each side thereof, the bottom of the combustion chamber forming the top of the pre-heating chamber, the front wall of the housing having an air admitting opening communicating with the pre-heating chamber, longitudinal baffle walls in the pre-heating chamber forming air circulating flues, said flues communicating at their rear ends and the outermost flues connecting with the combustion chamber, draft controlling dampers arranged

in the outside flues, means for operating the dampers, transverse baffles in the combustion chamber, a longitudinal throat extending rearwardly from the baffles,



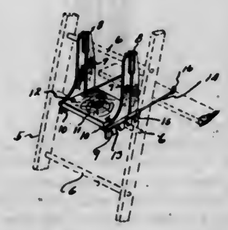
and an arch at the front end of the combustion chambers covering the baffles and the communicating openings between the chambers, the throat extending beyond the arch.

1,487,242. PUNCH. JAMES B. HOWLE, Richmond, Va. Filed June 30, 1922. Serial No. 571,908. 6 Claims. (Cl. 164—109.)



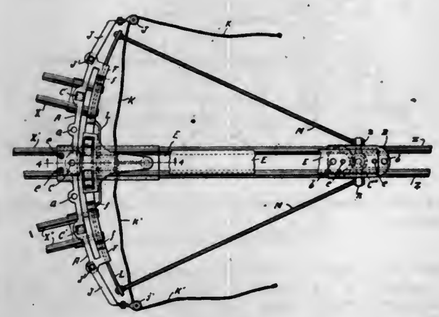
1. A single tool for forming slots and tongues in sheet metal pipes comprising a pair of companion members, each of said members including a head, means pivotally connecting the heads together, oppositely disposed outwardly extending jaws formed on each side of each head, and cooperating dies including adjustable anvils, and cutting and punching devices carried by the opposite faces of said jaws.

1,487,243. COMBINED LADDER STEP AND SCAFFOLD SUPPORT. EDWARD C. JACKSON, Detroit, Mich. Filed May 9, 1923. Serial No. 637,744. 3 Claims. (Cl. 304—34.)



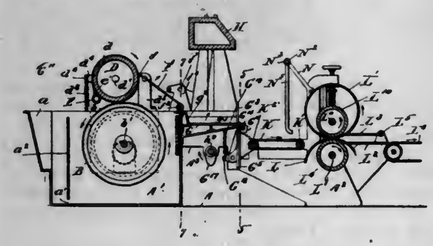
1. In combination with a ladder having a plurality of rungs, a platform step provided with end pieces adapted at opposite ends to be releasably engaged between a pair of rungs to secure this step in position on one side of the ladder, said platform step provided with arms which project on the opposite side of the ladder from the platform step and are adapted to serve as supports for an auxiliary platform.

1,487,244. SWITCH FOR OVERHEAD TWO-RAIL TRACKS. NIC KRUMP, Chicago, Ill. Filed July 14, 1922. Serial No. 574,880. 4 Claims. (Cl. 104—103.)



1. In a switch for overhead two rail tracks, bases, adapted to be suspended, a metal strip attached to said bases and arranged to hold them in spaced relation, rails on said switch corresponding in length with the spaced relation of said bases, a curved track on one of said subpended bases, provided with depressions in spaced relation, a carriage, rollers on said carriage arranged to travel on said track, said rollers in spaced relation corresponding with said depressions in said track, means to move said carriage on said tracks, and said carriage provided with a curved member to obtain a recess adapted to permit a trolley wheel to pass therethrough on to or from said switch rails.

1,487,245. WET PRESS. ELIE W. LABOMBARDE, Nashua, N. H. Filed Feb. 16, 1920. Serial No. 358,981. 45 Claims. (Cl. 92—61.)

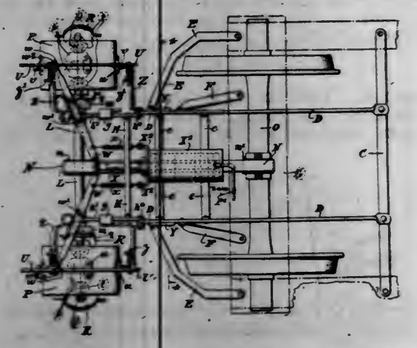


1. A machine of the character described comprising positive pressing mechanism; means to deliver portions of the material separated from each other to said mechanism, said mechanism acting upon each portion while such portion is stationary with relation to the direction of the delivery to said mechanism; and means to deliver the material from said mechanism.

1,487,246. WEED CUTTER FOR RAILWAYS. BEN H. LAMMONS, San Antonio, Tex. Filed Dec. 3, 1923. Serial No. 678,272. 8 Claims. (Cl. 104—279.)

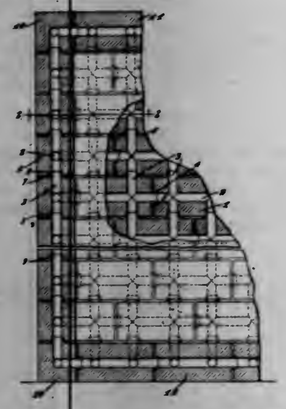
2. A weed cutter for railways comprising a pair of diagonally arranged cutters adapted to operate near op-

posite sides of a rail, a driven shaft, gearing connecting the driven shaft with the cutters, and means for lower-



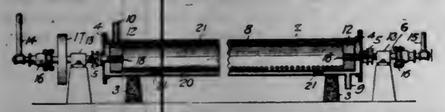
ing and raising the cutters into and out of operating position.

1,487,247. BRICK. JOHNSON LANE, San Antonio, Tex., assignor of one-third to George H. Collins, Harris County, Tex. Filed Jan. 24, 1921. Serial No. 439,508. 2 Claims. (Cl. 72—38.)



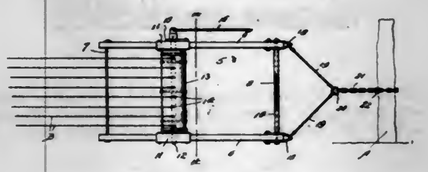
1. A brick provided with intersecting passages extended entirely through the brick at right angles to each other, there being a recess in the brick at one end of each passage, and a thimble projecting from the brick at the other end of each passage, each thimble being longer than the depth of the corresponding recess, the thimbles and recesses being so shaped that each thimble on one brick may be received in the corresponding recess of an adjoining brick.

1,487,248. HEAT INTERCHANGER. GROVER B. LANTZ, Colton, Calif. Filed July 21, 1920. Serial No. 397,930. 3 Claims. (Cl. 257—89.)



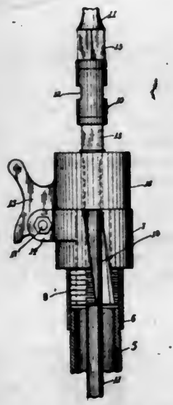
3. In apparatus of the character described, an elongate vessel adapted to receive and discharge a cooling fluid and having stuffing boxes at its ends, a tubular container in said vessel having exteriorly of its ends, axially alined, hollow, open-ended gudgeons for the admission and discharge of material, separated by the space within the container, and supported in the boxes for rotation of the same, relatively stationary inlet and outlet pipes in fluid-tight connection with the gudgeons, an abrasive medium loose in the container to prevent by the rotary movement thereof incrustation of its inner surface, and means for the rotation of the container.

1,487,249. WIRE STRETCHER. WILLIAM H. LATIMER, Denver, Colo. Filed May 26, 1923. Serial No. 641,531. 1 Claim. (Cl. 254—163.)



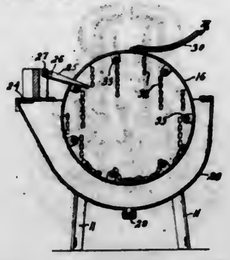
In a wire stretcher of the class described, a frame comprising a pair of spaced parallel bar members joined together at their opposite ends, metallic strips upon said bars and having openings therein in alinement with openings in said bars, a shaft journaled within said openings, a drum keyed to said shaft and provided with laterally projecting, spaced pins adapted for receiving the ends of wire strands to be stretched, means for anchoring said frame to a stationary member and means for rotating said shaft and consequently said drum for winding the wire strands thereon.

1,487,250. SUCKER-ROD CATCH. OTTO J. LIERMAN, near Redondo Beach, Calif. Filed Jan. 18, 1923. Serial No. 613,559. 2 Claims. (Cl. 24—243.)



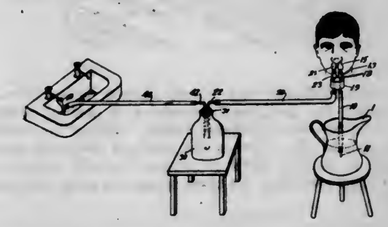
2. A sucker-rod catch comprising a lower member having a bore extending therethrough, said member having a reduced lower end externally threaded and a slot extending to the bore; an upper member hingedly connected to the lower member said upper member having a slot extending beyond the bore of the lower member when positioned for use, the slot in the upper member being of less width than the coupling member of the sucker-rod and the bore of the lower member being of a size to permit the sucker-rod couplings to pass therethrough.

1,487,251. WASHING MACHINE. ASBURY LINCICOME, Pershing, Okla. Filed Oct. 7, 1922. Serial No. 593,149. 3 Claims. (Cl. 68—18.)



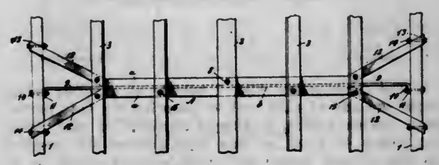
1. In a washing machine including a frame and a pan, a tub rotatably mounted within the frame and pan, and a plurality of lengths of chain secured at one end within the tub and acting to beat clothes disposed therein.

1,487,252. MEDICAL APPLIANCE. JOHN M. LORE, New York, N. Y., assignor to Lillian Langel, New York, N. Y. Filed May 11, 1921. Serial No. 468,608. 4 Claims. (Cl. 128—276.)



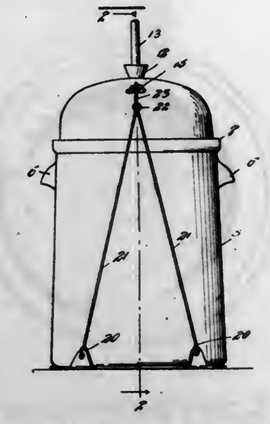
4. In an irrigating device for a cavity, means for closing the cavity and having two disconnected ducts therein opening into the cavity at spaced points, a suction creating device connected to one of the ducts for creating a partial vacuum in the cavity, and a reservoir for an irrigating fluid connected to the other duct whereby the suction in the one duct will cause a movement of the irrigating fluid from the reservoir through the cavity without an internal pressure on the walls of the cavity which is greater than atmospheric pressure.

1,487,253. CARLINE. JAMES J. MCCARTHY, Chicago, Ill. Filed Nov. 5, 1919. Serial No. 335,889. 9 Claims. (Cl. 108—5.6.)



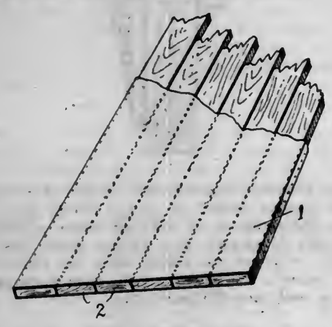
1. A carline for freight car roofs and the like, consisting of a single steel bar of T-section, split at the ends along its depending flange, said flange being maintained as a bracing bar in the vertical plane of the body of the carline, and the separated side flanges being inclined away from said bracing bar to diagonal positions and adapted for connection with the roof frame at widely separated points at both sides of said plane.

1,487,254. CHURN LID. MARION C. MCFARLAND, Comanche, Okla. Filed Jan. 22, 1923. Serial No. 614,118. 1 Claim. (Cl. 220—69.)



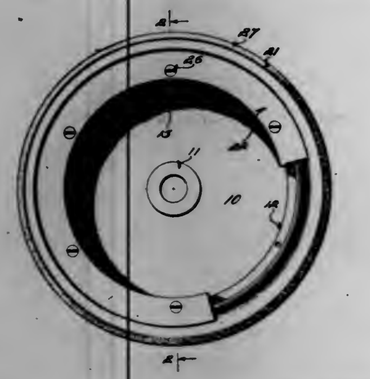
In combination with a churn body, means for retaining a cover in position thereon comprising a base plate adapted to serve as a support for the body and provided at its edges with upstanding lugs adapted to extend along the side surface of the body, a dome-shaped lid for the body, staples mounted upon the exterior surface of the lid at the opposite sides of the center thereof, and approximately at the shoulder portion of the dome configuration of the lid, rods pivotally secured at their lower ends to the lugs and arranged in pairs, the members of which converge toward each other at their upper ends, the members of the pairs of rods being brought together and having their upper ends provided with registering eyes and resilient hooks having their shanks threaded through the registering eyes of the respective pairs of rods, the bill ends of the hooks being engageable over the staples to hold the edge of the lid in close confinement with the upper edge of the body.

1,487,255. MANUFACTURE OF FIREPROOF AND WATERPROOF WOODEN BUILDING PLATES. NINO MAGELSSEN, Christiania, Norway. Filed Nov. 29, 1922. Serial No. 604,118. 4 Claims. (Cl. 20—91.)



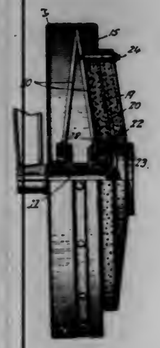
1. A process of manufacturing fireproof and waterproof woden plates or sections, consisting in placing wooden boards loosely side by side and interconnecting them by applying to the plate thus loosely formed a hardening mass, having as its principal ingredients waterglass and asbestos, and pressing said mass against said plate of boards so as to coat the same with a thin layer of the mass.

1,487,256. PNEUMATIC ABRADING CUSHION. ARTHUR WILLIAM MALE, Milwaukee, Wis. Filed Dec. 12, 1922. Serial No. 606,480. 3 Claims. (Cl. 51—192.)



1. In a pneumatic polishing wheel, the combination of a rigid cylindrical member, means for securing said member to a shaft, an inner tube about said member, a casing about said inner tube, means securing said casing to said member, said casing being adapted to carry a sleeve, the edges of said casing overhanging said cylindrical member to provide freely yieldable edges.

1,487,257. TRACTION VARYING MEANS FOR TRACTORS. WARREN M. MANSFIELD, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Aug. 12, 1920. Serial No. 402,951. 11 Claims. (Cl. 301—41.)



10. An article of manufacture comprising a reinforced concrete traction weight for tractor wheels having openings for the reception of bolts by means of which the weight may be secured to a tractor wheel, and a hub arranged to center the weight upon the tractor wheel and to center a succeeding weight when more than one weight is used upon the same wheel.

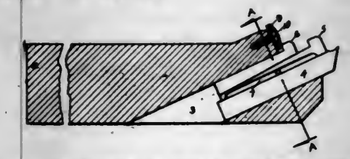
1,487,258. LOCK FOR AUTOMOBILE TIRE CHAINS. JOSEPH R. W. MENGER and WILLIAM L. GASS, New York, N. Y.; said Gass assignor to said Menger. Filed Mar. 29, 1922. Serial No. 547,913. 13 Claims. (Cl. 70—108.)

1. A lock comprising a cylindrical body portion having a longitudinal bore and openings for the hasp extending into said body portion at right angles to said bore, a hasp the ends of which extend into said openings and



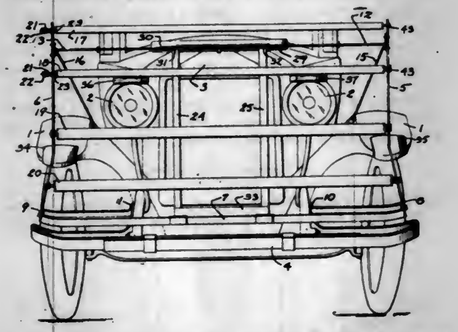
forming two separated loops, one of which is always closed and one of which may be opened when the lock is in its unlocked and open condition.

1,487,259. TOOL HOLDER. ANTHONY J. MOGLICH, Oakland, Calif. Filed Mar. 20, 1922. Serial No. 545,055. 9 Claims. (Cl. 29—96.)



1. A longitudinally and parallel slotted rectangular-bar tool holder for machines comprising a pair of wedges and a cutter, one of said wedges adapted to receive blows to hold the cutter in the slot and the other wedge adapted to receive blows to release the said cutter, the said wedges receiving the blows from the same direction.

1,487,260. COLLISION SCREEN. WALTER J. MOORE, New York, N. Y. Filed Apr. 24, 1922. Serial No. 556,225. 36 Claims. (Cl. 293—54.)

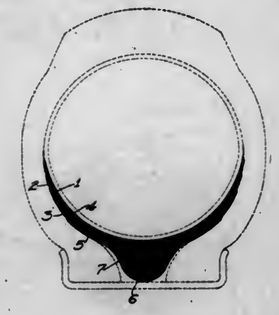


1. The combination with a vehicle of a safety device across the end of said vehicle comprising a seat portion for a person struck, a bumper forward of said device and means in front of said seat portion, for breaking the fall of said person before he becomes seated in the device.

1,487,261. PNEUMATIC-TIRE FLAP. LUTHER OPPENHEIMER, El Cajon, Calif. Filed Aug. 16, 1922. Serial No. 582,259. 5 Claims. (Cl. 152—20.)

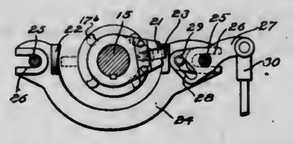
5. A tire flap, including a tire flap portion consisting of a series of rubberized fabric members moulded together, the normally outer members being respectively

narrower in width than the adjacent inner members and a bead portion consisting of a bead filler, a filler bead



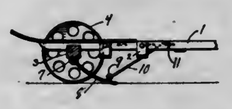
positioning member and a rubberized fabric supporting member securing said bead filler and said filler positioning member to said flap portion.

1,487,262. STOP MECHANISM OF EMBOSSING AND LIKE MACHINES. WALTER P. OSGOOD, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a Corporation of Massachusetts. Filed July 24, 1918. Serial No. 246,499. 3 Claims. (Cl. 192—25.)



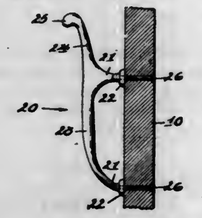
1. Apparatus of the kind described, comprising power driving means, driven operative means, a clutch interposed between said driving means and driven means, and a stop motion for controlling said clutch having a manual governing device, said stop motion embodying spaced apart members with means for moving the same into and out of operative position with respect to said clutch, means for normally holding one of said members in operative position with the other of said members in inoperative position, said manual governing device having connections for moving the first named member to inoperative position, and the last named member to operative position, the last named member being located to engage the clutch to cause said driven means to stop midway of its cycle of movement, and the first named member being located so as to permit a full operative cycle of movement of said driven means.

1,487,263. WAREHOUSE TRUCK. JAMES EDWARD PULLIAM, New York, N. Y. Filed June 17, 1921. Serial No. 478,360. 1 Claim. (Cl. 188—23.)



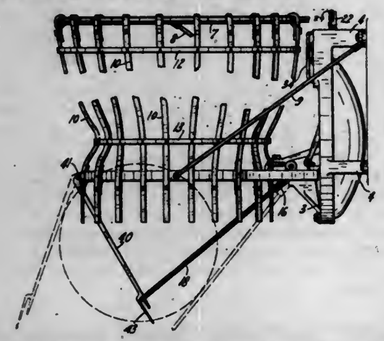
In combination a truck mounted on wheels, a beam hingedly attached to the truck, a rod attached to the beam, and a plurality of eye bolts arranged on the truck in spaced relation to each other so as to be engaged by the rod for regulating the angle at which the beam is disposed in relation to the truck.

1,487,264. HANDLE FOR DOORS. JOSEPH R. RAYMER, St. Paul, Minn. Filed Dec. 19, 1921. Serial No. 523,261. 2 Claims. (Cl. 16—125.)



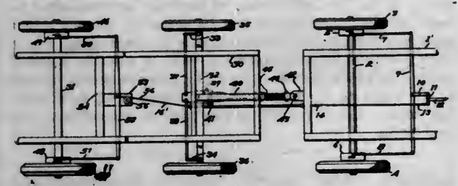
1. A pull for a door comprising a bracket adapted to be secured to a door and a hook-like projection off-set from the door and formed on said bracket to be engaged by the forearm to open the door.

1,487,265. BASKET-BALL-GOAL INDICATOR. ALLYN R. REESE, Denver, Colo. Filed June 21, 1922. Serial No. 569,896. 9 Claims. (Cl. 116—67.)



7. In a basket ball goal, the combination with a basket, of a counterweighted lever adapted to be moved by a ball passing through the basket, an alarm element, a lifter pivotally connected with the lever, and having a pair of fingers at its upper end, a hammer element adapted to be raised by the engagement of one of said fingers during upward movement of the lifter, a spring-catch adapted to move automatically into the path of the hammer element to obstruct its downward movement, and means co-operating with the other finger during downward movement of the lifter, to retract the catch by lateral motion of the lifter and thereby release the hammer element.

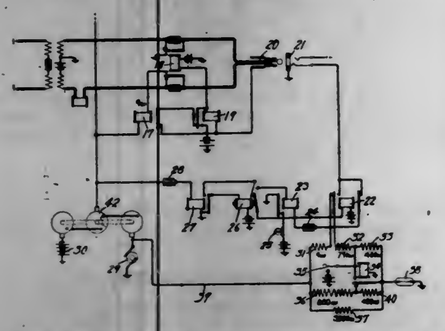
1,487,266. TRAILER BRAKE. PAUL T. REGAN, Oakland, Calif., assignor to Anderson-Endebrock Company, Inc., a Corporation of California. Filed Oct. 25, 1921. Serial No. 510,261. 3 Claims. (Cl. 188—3.)



1. An apparatus of the class described comprising the combination with a truck of brakes therefor, brake operating mechanism, a brake operating and equalising lever, flexible means on the truck to connect the trailer thereto, a trailer, brakes therefor, a cable for operating said

brakes and extended to and connected with the equalizing lever on the truck, and a detachable flexible tube enclosing said cable between fixed points on the trailer and on the truck.

1,487,267. TESTING SYSTEM. JOHN B. RETALLACK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 4, 1921. Serial No. 466,824. 10 Claims. (Cl. 175—183.)



2. In a testing circuit, the combination of a relay to be tested, a resistance network composed of a plurality of multiple paths said relay being normally connected in one of said paths, a resistance with a positive temperature co-efficient of resistance connected in circuit with said network to maintain a constant current therein, and means for making the resistance of the path in which the relay is normally connected equal successively to the normal resistance of each of the other paths and means for maintaining the resistance of the network at its normal value after each change in the resistance of the relay circuit.

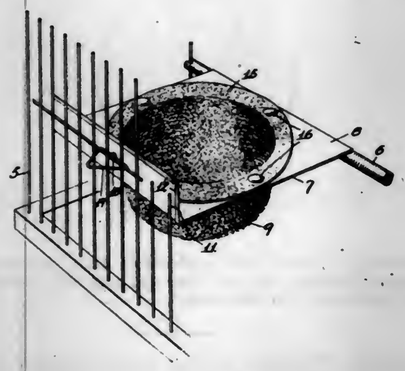
1,487,268. BIRD NEST. WILLIAM ROHRBACH, Glendale, N. Y. Filed Jan. 3, 1923. Serial No. 610,408. 3 Claims. (Cl. 119—45.)



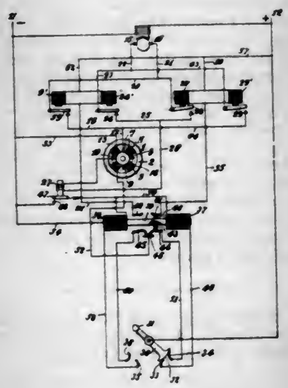
3. A nest of the class described comprising a frame having a substantially circular aperture, a fibrous body mounted in connection with said frame and extending into said aperture and fashioned to substantially cup-shaped formation to form the nest proper, the periphery of said body being secured to said frame, said fibrous body or the cup-shaped portion thereof being provided centrally with a plurality of small apertures located centrally of the bottom thereof to provide ventilation to the nest, a metal reinforcing strip mounted in connection with one side of the frame, means on said strip for securing said nest in connection with a suitable support, said strip being fashioned to form a flange which extends at an angle to the plane of said frame, and said securing means being rotatably mounted in connection with said strip.

1,487,269. BIRD NEST. WILLIAM ROHRBACH, Glendale, N. Y. Filed Sept. 12, 1923. Serial No. 662,165. 3 Claims. (Cl. 119—45.)

2. A nest of the class described composed of two parts one of said parts being fashioned from sheet metal and being rectangular in form and provided at one side with an upstanding flange portion and centrally thereof with a large aperture and the other part being fashioned from fibrous material to the form of a cup-shaped body adapted to be inserted into the aperture of the first named part and said last named part having a peripheral flange which rests upon the top face of the platform, said platform being provided about the periphery of the aperture therein with spaced apertures, fastening devices passed through the flange of the last named part and said last named apertures for securing the separate parts together, and the flange portion of the first named part being provided with an aperture, and an attaching device rotatably mounted in said last named aperture.

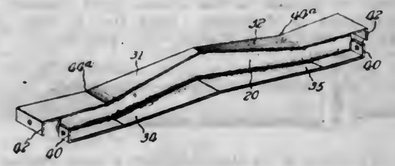


1,487,270. ELEVATOR CONTROL SYSTEM. SAMUEL W. RUSHMORE, Plainfield, N. J. Filed Aug. 25, 1922. Serial No. 584,172. 10 Claims. (Cl. 172—152.)



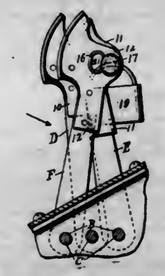
1. An electric power system comprising in combination, a power circuit including a generator having an armature and a field, and an electric motor operated therefrom, a reversing relay for said motor connected to control the generator field, a manual control switch for said reversing relay, and means controlled from said power circuit to prevent reversal of said relay upon operation of said manual switch, until the generator field has been first reduced to a predetermined value, following operation of said manual switch.

1,487,271. CARLINE. THOMAS NATHAN RUSSELL, Chicago, Ill., assignor to Chicago Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Jan. 26, 1914, Serial No. 814,519. Divided and this application filed May 4, 1914. Serial No. 836,218. Renewed May 16, 1917. Serial No. 169,117. 10 Claims. (Cl. 158—56.)



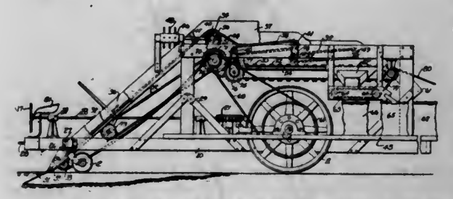
1. A carline having a compression surface and a tension surface of differing contours, the latter having an outer edge lying in a single vertical plane and an obliquely arranged curved web therebetween the upper edge of which lies in a vertical plane parallel to said first-mentioned plane, said compression surface and said tension surface being disposed laterally in opposite directions from said web, and the sum of the width of the parts being substantially the same in cross section throughout the carline.

1,487,272. LOCKING DEVICE FOR AUTOMOBILES. JOHN SAIA, Baltimore, Md. Filed Sept. 6, 1922. Serial No. 586,442. 8 Claims. (Cl. 70—126.)



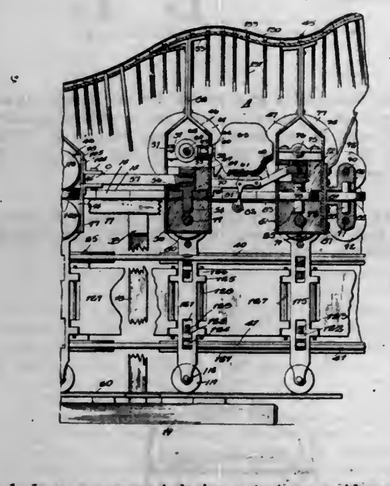
1. The locking device which includes members permanently and rigidly united with pedal-arms of an automobile and each being provided with bolt-receiving apertures, each of the apertures of each of said members being movable into alinement with each aperture of another of these members, and a bolt seatable in the alined apertures, for securing these members in different relative positions, means being provided to lock the bolt against removal from the alined apertures.

1,487,273. POTATO HARVESTER. CHARLEY SANO, Castroville, Calif. Filed Aug. 18, 1920. Serial No. 404,301. 7 Claims. (Cl. 130—32.)



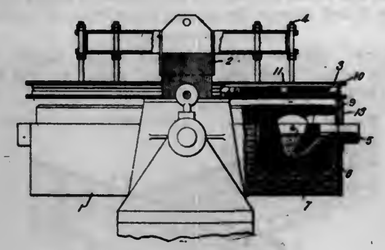
1. In a potato harvester, a wheeled frame, a superstructure thereon including parallel sorting compartments, the intermediate compartment being wider than the side compartments, a moving sorting floor for the compartments comprising spaced slats each having reduced ends, the intermediate wider portions of the slats operating under the intermediate compartment and the reduced end portions of the slats operating under the side compartments, the reduced end portions having transverse slots therein, plates adjustably mounted in said slots whereby to vary the size of the spaces between adjacent reduced ends of the slats, means for lifting potatoes onto the floor of the intermediate compartment, and means for agitating and turning the soil bearing the potatoes so that the potatoes are exposed.

1,487,274. AMUSEMENT DEVICE. REX SCHAFER, Long Beach, Calif. Filed Oct. 5, 1923. Serial No. 666,777. 14 Claims. (Cl. 104—64.)



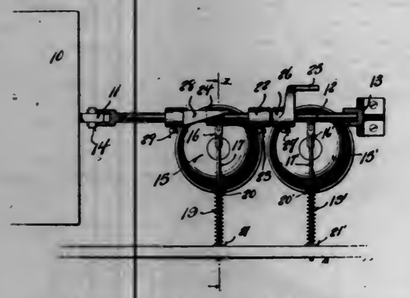
1. In an amusement device, a tortuous guideway, endless cables arranged to travel about the guideway, figures arranged at spaced points on and secured to the cables, each of the figures including a plurality of independent trucks and means for flexibly connecting the trucks together.

1,487,275. ELECTROMETALLURGY. CHARLES A. SCHARSCHU, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1920. Serial No. 433,147. 5 Claims. (Cl. 204—64.)



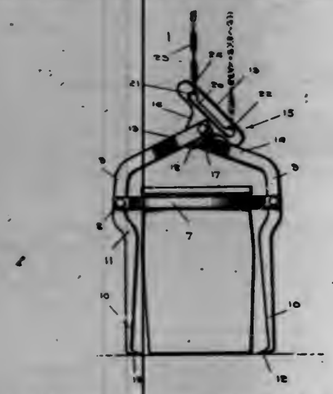
1. The method of refining metal containing slag particles which consists in subjecting said metal in a molten state to a periodically varying magnetic field adapted to cause said slag particles to rise to and remain on the surface and thereupon separating the metal and slag while preventing re-admixture thereof.

1,487,276. TIME-CONTROLLED SWITCH MECHANISM. OSCAR SCHWENGEL, Port Washington, Wis. Filed July 22, 1922. Serial No. 576,694. 3 Claims. (Cl. 200—38.)



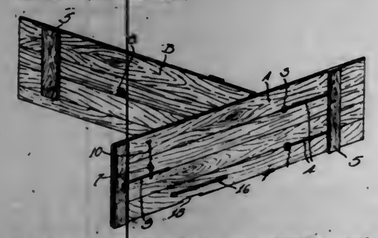
1. The combination of a switch for controlling bright lights, a clock, a rotatable shaft, and a wipe adjustable longitudinally of said shaft, said wipe varying in width whereby the period of operation of said wipe on said switch may be varied.

1,487,277. AUTOMATIC GRAPPLE. WILLIAM A. SHINNER, Belle Plaine, Iowa. Filed Mar. 10, 1923. Serial No. 624,144. 18 Claims. (Cl. 294—112.)



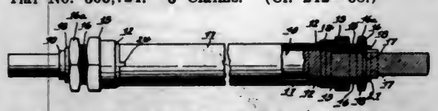
1. A grapple comprising object holding means movable to open and closed positions for releasing and holding an object, a single suspension element for said means, and means operated by the successive lifting movements of said element for opening and closing said means.

1,487,278. GRAIN DOOR. EDGAR CLARK SHORT, St. Paul, Minn. Filed Dec. 4, 1922. Serial No. 604,817. 5 Claims. (Cl. 20—30.)



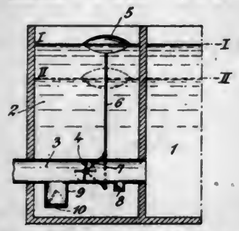
1. A grain door comprising two normally overlapping sections, hinges for positively connecting the end of one of said sections with the other section, means for shifting the hinged connection so as to adjust the effective length of the overlapped sections to fit car door frames of different sizes, and means for locking the sections in parallelism in any of the adjusted positions.

1,487,279. WINDING SHAFT FOR PAPER MACHINES. CLARENCE ARTHUR SILVIS, Grand Rapids, Minn., assignor of one-half to The Itasca Paper Company, a Corporation of Minnesota. Filed Dec. 8, 1922. Serial No. 605,724. 6 Claims. (Cl. 242—68.)



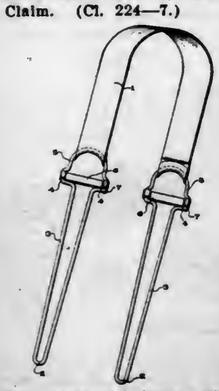
1. In a device of the class described, a shaft adapted to support the core of a roll, means arranged on said shaft to engage said core, thrust means removably held in a groove in said shaft, and means abutting against said thrust means and adapted to be manipulated to hold said engaging means in contact with said core.

1,487,280. APPARATUS FOR REGULATING THE ADMISSION AND DISCHARGE IN WATER TANKS AND OTHER RECEPTACLES. CHRISTIAN SKAARNÆS, Drammen, Norway, assignor to Aktieselskabet Drammens Armaturfabrik, Drammen, Norway. Filed Nov. 2, 1922. Serial No. 598,675. 1 Claim. (Cl. 37—68.)



Apparatus for regulating the admission and discharge of water tanks and the like, comprising a reservoir, a supply and discharge conduit connected to the reservoir, a float chamber having restricted permanent connection with the reservoir, a control valve in the conduit, a float in the float chamber and connected to the control valve to operate the same upon a change of water level in the float chamber, a duct connecting the conduit and the float chamber, and a valve in said duct operable upon reduction of pressure in the conduit to open said duct.

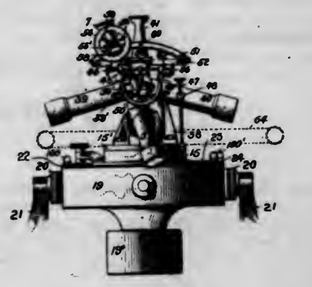
1,487,281. GAME CARRIER. LOUIS ANDREW SOLLEDER, Beaumont, Tex. Filed Dec. 8, 1922. Serial No. 605,709. 1 Claim. (Cl. 224—7.)



A game carrier constructed from a strand of spring wire which is centrally rounded and extended to provide outwardly inclined arms, said arms having their ends

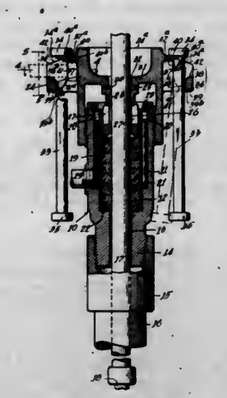
formed with opposed outwardly directed U-shaped portions, and said U-shaped portions terminating in an arch, a locking bar hingedly secured to one of the U-shaped portions and having a hooked end to engage with the opposite U-shaped portion when pressure is exerted upon the arms of the holder to force the same toward each other.

1,487,282. FIRE-CONTROL SYSTEM. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 3, 1920. Serial No. 349,345. 23 Claims. (Cl. 33—46.)



1. In a fire control system, a movable reference member, a transit instrument movable with relation to said member, and means comprising a gyroscope and a level for maintaining a point on said member in a predetermined relation to the vertical.

1,487,283. ADJUSTABLE STUFFING BOX. EDWARD E. STEVENSON, Los Angeles, Calif., assignor to D. & B. Pump and Supply Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 25, 1922. Serial No. 531,679. 5 Claims. (Cl. 74—33.)



1. Handle means for rotating a rotatable member; said means comprising a bracket on said member having a slot; said slot being radial and enlarged at its inner end; a handle axially movable in said slot from an inoperative position substantially axially parallel to said rotatable member to an operative position at substantially right angles thereto; enlarged ends on said handle to prevent its removal from said slot; said slot having a wall extending across the bottom of its radial portion, and a wall extending across the top of its enlarged portion, the former to support the handle and the latter to engage an enlarged end, when the handle is in its operative position; the slot except at its enlarged portion being of a width substantially equal to thickness of the handle, and the width of the enlarged portion of the slot being substantially equal to the thickness of the enlarged handle end, so that the slot walls form lateral abutments against which the handle bears.

1,487,284. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 27, 1920. Serial No. 413,035. 15 Claims. (Cl. 197—128.)



1. In a condensed record typewriting machine in which a single general record-sheet is detained in the machine while typing a succession of individual sheets or bills which are successively withdrawn and others inserted, in combination, a rotative platen, line-spacing mechanism therefor, normally effective releasable sheet-feeding means co-operative with the platen to line-feed all the work-sheets when the platen is line-spaced, a normally ineffective gripping device engageable with the record-sheet to hold the same stationary independently of the individual work-sheet when the sheet-feeding means are released, and a single manually-operable device for successively at a single stroke first operating the line-spacing mechanism to line-feed all the work-sheets and then rendering the gripping device effective to hold the record-sheet and also releasing the individual typed work-sheet entirely from the platen.

1,487,285. TREATMENT OF ZINC SULPHIDE ORES. EDWARD A. TAYLOR and GLENN A. KEEP, Cleveland, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 9, 1920. Serial No. 350,392. 6 Claims. (Cl. 75—18.)

1. The method of separating zinc sulphide from complex zinc sulphide-containing ores, which consist in treating comminuted complex ore with hot sulphuric acid in amount not less than the amount chemically equivalent to the zinc content of the core.

1,487,286. INDUCTION DYNAMO-ELECTRIC MACHINE. HENRY W. TAYLOR, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Feb. 15, 1922. Serial No. 536,774. 4 Claims. (Cl. 172—120.)



3. A winding for a dynamo electric machine of the type in which the equivalent resistance of the winding increases with the frequency, having two or more composite conductors in a slot, each composite conductor con-

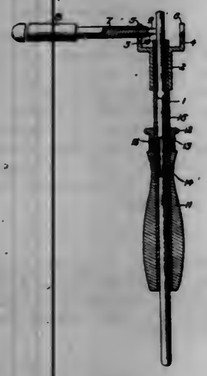
sisting of two or more sections separated from each other by a magnetisable medium together with connections at the ends of the winding so that each composite conductor carries the same current.

1,487,287. COMBINED HOLDER AND COMB CLEANER. OTIS O. TERHUNE, Gering, Nebr. Filed Aug. 1, 1923. Serial No. 655,080. 2 Claims. (Cl. 132—27.)



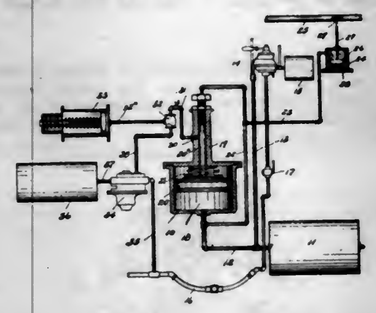
1. A device of the class described comprising a support, a pocket formed thereon and a bundle of thread-like material connected with the lower end of the support and depending therefrom to form a comb cleaner.

1,487,288. DEVICE FOR TREATING GLASS. SIGURD THRONSEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 19, 1919. Serial No. 324,887. 3 Claims. (Cl. 49—2.)



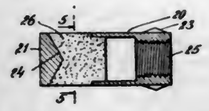
3. A device for inserting wires into rods comprising a wire-inserting tool having end apertures in which the wires of predetermined length may be inserted and held, a tubular holder, a supporting bracket at the upper end thereof, adapted to receive said tool, a reciprocating plunger within said holder upon which a rod is adapted to rest and having a portion of reduced diameter intermediate its length, a pin extending inwardly from the holder and adapted to engage the shoulders formed by the reduced diameter of the plunger to limit the movement thereof and thereby determine the position of the rod with respect to the bracket support.

1,487,289. SAFETY LOCK VALVE. JOHN A. TIFFIN, Bay City, Mich., assignor, by direct and mesne assignments, to Detroit Automatic Engineering Co., Detroit, Mich. Filed May 17, 1920. Serial No. 381,944. 5 Claims. (Cl. 303—63.)



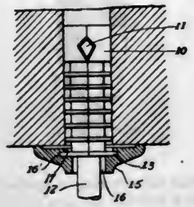
1. Means for automatically locking the throttle mechanism of a locomotive, comprising means released upon partial failure of the air supply for locking the throttle shaft, and means actuated by said partial failure of the air supply to automatically apply the brakes to the train.

1,487,290. BOLT ANCHOR. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed Aug. 11, 1921. Serial No. 491,333. 23 Claims. (Cl. 85—2.4.)



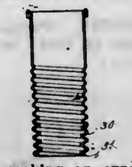
1. An anchor comprising a one piece expansion shield of relatively hard metal and having expansible elements and an expanding element consisting of a mass of relatively soft metal positioned within said shield and substantially filling the space between said expansible elements.

1,487,291. EXPANSION SHIELD WITH INTERLOCKING CAP. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Feb. 23, 1921. Serial No. 447,292. 7 Claims. (Cl. 85—2.4.)



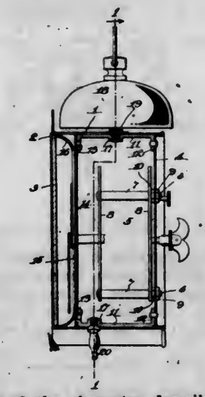
1. The combination with an expansion member and a cap member having a bore through which an expanding element may be entered into the expansion member, of means for effecting interlocking engagement between the members comprising radially extending projections on one of said members and a socket in the other of said members, locking engagement being effected by relative rotation of said members on a common axis.

1,487,292. EXPANSION SHIELD. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Jan. 23, 1922. Serial No. 531,198. 31 Claims. (Cl. 85—2.4.)



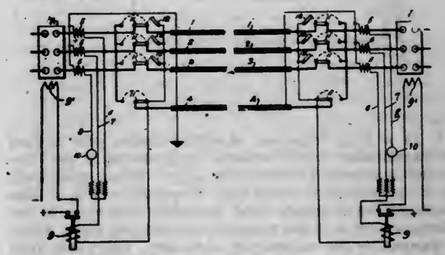
1. The process of making an expansion shield which consists of forming a sheet metal blank with a pair of connected, oppositely extending members and having a transverse slit therebetween, and folding the members on an axis coinciding with the slit into a tubular shield.

1,487,293. CLOCK. HOWARD J. TREGANZA, Brooklyn, N. Y., assignor to Ansonia Clock Co., Brooklyn, N. Y., a Corporation of Connecticut. Filed Sept. 9, 1922. Serial No. 587,078. 4 Claims. (Cl. 58—53.)



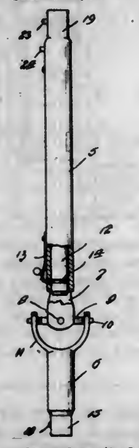
1. A device of the character described, comprising a casing, a member adapted to fit within the casing and form a closure therefor, an operating mechanism supported entirely by the member, a plurality of arms each secured at one end thereof to the member and extending into the casing, a dial plate secured to the opposite ends of the arms, the said mechanism being located between the member and dial plate whereby the member, mechanism and dial plate may, as a whole be removed from the casing.

1,487,294. DISTRIBUTION SYSTEM. HENRY TRENCHAM, Ruislip, England, assignor to General Electric Company, a Corporation of New York. Filed Aug. 23, 1921. Serial No. 494,636. 5 Claims. (Cl. 175—294.)



1. A power transmitting system comprising n plus one cables of which n cables are required for normal operation, a pilot circuit comprising the spare cable, means responsive to an electrical condition of the power system connected in said pilot circuit, and switching means arranged to be operated to interchange said spare cable and any one of the other cables.

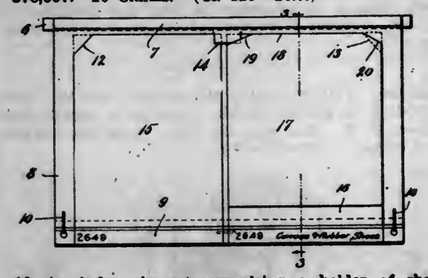
1,487,295. SOCKET WRENCH. WILLIAM JENNINGS TROWBRIDGE, Chester, Tex. Filed June 11, 1923. Serial No. 644,631. 1 Claim. (Cl. 81—177.)



In a wrench of the class described, a shank portion comprising a pair of hollow sections, one of said sections adapted to have positioned thereon socket elements, the other of said sections adapted to have secured thereto a desirable form of operating handle, a universal joint connection between said sections, a rod positioned within one of said sections, means for maintaining said rod in said section, said rod adapted for engagement between both of said sections for providing a rigid connection between the sections

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1,487,296. INDEX. CHARLES W. UNDERWOOD, North Providence, R. I., assignor to James H. Rand, North Tonawanda, N. Y. Filed Apr. 23, 1920. Serial No. 376,007. 10 Claims. (Cl. 129—16.7.)

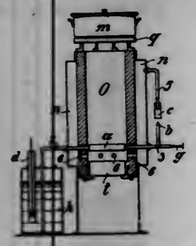


10. An index element comprising a holder of sheet material having upper retaining means and lower retaining means the latter consisting of a sheath at the lower edge of the holder, and a recording card or sheet folded to form a rear leaf and a front leaf, the rear leaf being held by the retaining means leaving the front leaf free to swing on its fold.

1,487,297. HEATING APPLIANCE. OTTOKAR UBRASCH, Vienna, Austria. Filed Feb. 8, 1922. Serial No. 533,946. 4 Claims. (Cl. 110—31.)

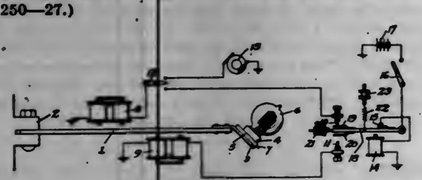
4. A cooking stove adapted to create and burn artificial gas comprising a hollow column adapted to contain the fuel from which the gas is created, a closed vessel

provided with means for producing air pressure therein, a steam generator extending into said column and adapted to be heated by the fire within said column, means for conveying water from the water vessel to said steam generator, a chamber arranged adjacent to said column and adapted to be heated by the fire within said column, a pipe connected to said chamber and having its outer



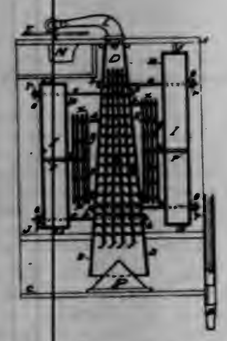
end open to the atmosphere, a steam nozzle connected to the steam generator and arranged to direct steam into the open end of said pipe, a port placing said chamber in communication with the interior of said column, and a cooking vessel support associated with said column and arranged to contact with the gas created in said column, whereby said gas may be burnt beneath said support.

1,487,298. METHOD OF AND APPARATUS FOR VIBRATION. HARALD J. VENNES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1919. Serial No. 321,907. 9 Claims. (Cl. 250—27.)



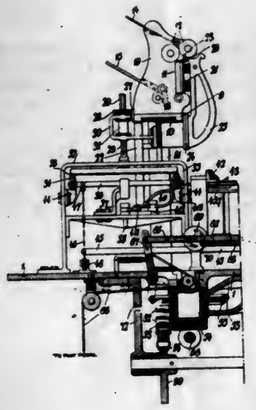
1. The method of testing the rigidity of fixed electrodes of a vacuum tube having input and output circuits which consists in vibrating the tube and producing in the output circuit indications of the effect of the vibration.

1,487,299. PHONOGRAPH OR OTHER SOUND PRODUCER OR REPRODUCER. IGNATIUS J. VETTER, New York, N. Y. Filed May 29, 1922. Serial No. 564,645. 12 Claims. (Cl. 181—27.)



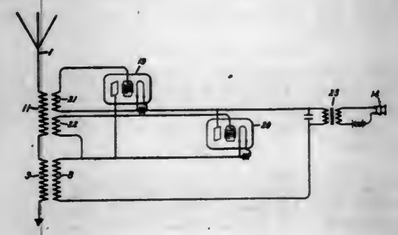
1. In a sound reproducer, the combination with a horn, of sound boards provided with sound posts and a resonator vibrationally connected with the horn by said sound posts engaging the horn and the resonator respectively.

1,487,300. TYPEWRITER. THOMAS WALTON, London, England. Filed Sept. 27, 1923. Serial No. 665,189. 32 Claims. (Cl. 197—1.)



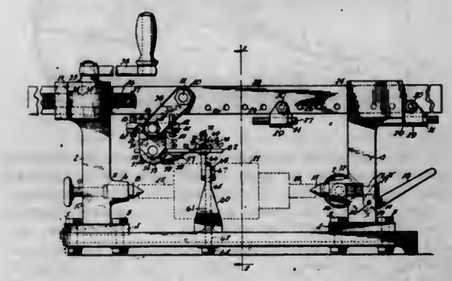
1. A typewriter comprising a removable arcuate tray or holder having types thereon, means for rotating said tray or holder about a centre and mechanically operated means for removing any required type from the tray and conveying the same to the printing position, substantially as described.

1,487,301. SIGNALING SYSTEM. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 31, 1919, Serial No. 274,288. Renewed Aug. 14, 1923. 30 Claims. (Cl. 179—171.)



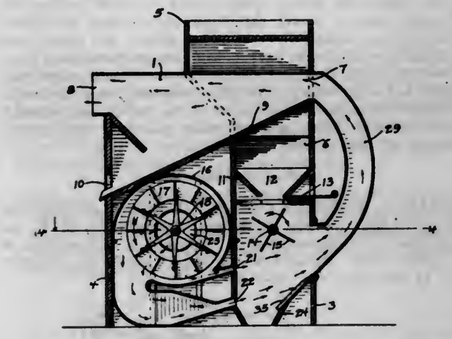
1. In a high frequency signaling system the method of transmission which consists in producing a low frequency alternating modulating signal wave, generating to the exclusion of other high frequency waves, a high frequency wave which when produced will vary in accordance with said low frequency modulating wave, which is damped by the modulating wave only, and which falls to zero when the amplitude of the modulating signal wave becomes zero and in transmitting said high frequency wave.

1,487,302. MACHINE FOR PLACING WEDGES IN ARMATURE SLOTS. LE ROY FLOREN WILLIS, St. Louis, Mo. Filed July 22, 1921. Serial No. 486,842. 11 Claims. (Cl. 29—84.)



1. A device of the character described comprising a reciprocable member and means carried thereby for engaging an armature to shear a strip of a desired width from a wider piece of material placed between said means and the armature.

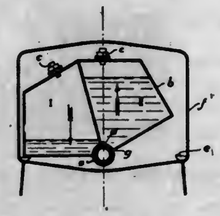
1,487,303. DEVICE FOR CLEANING AND COOLING GRAIN. JACOB WOLLMANN, Freeman, S. Dak. Filed June 28, 1922. Serial No. 571,479. 10 Claims. (Cl. 130—17.)



1. A grain cleaner and cooler adapted to be disposed in the receiving chute of a grain elevator having in combination, a comparatively narrow casing, a hopper disposed above the same having a delivery channel extending along one side of said casing, said casing having an opening in said side through which said channel delivers, a hopper for said casing below said opening extending across said casing, a rotary grain distributer below said hopper, and means for directing a blast of air through the grain below said distributer.

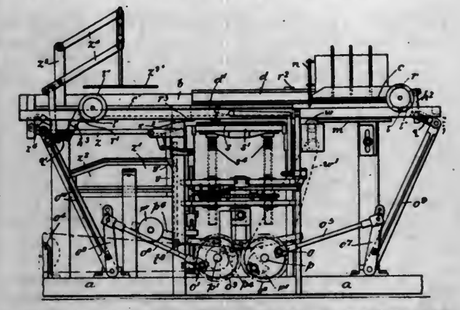
1,487,304. AUTOMATIC ACTING APPARATUS FOR MEASURING DEFINITE QUANTITIES OF LIQUIDS. HERMANN WYDLER, Berne, Switzerland, assignor to Sauser S. A. Fabrique de Vis de Précision, Soleure, Switzerland. Filed Aug. 9, 1921. Serial No. 490,981. 3 Claims. (Cl. 249—03.)

1. An apparatus for automatically measuring definite quantities of liquids including a shaft having inlet and outlet bores and lateral openings communicating therewith, a tank formed with a partition to provide liquid tight chambers and also formed with a nave for oscillatory movement on the shaft, the nave being also provided with inlet and outlet openings for communicating with each of the chambers and coacting with the openings in the shaft so that when one of the chambers is being filled the other is being emptied, the alternate filling and emptying of the chamber effecting an oscillation of the tank, the nave being also provided with additional openings adjacent the partition and a pressure



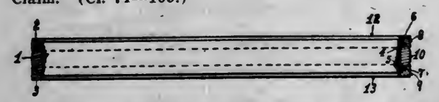
operated locking device mounted in the shaft for alternate association with the last mentioned openings for alternately maintaining the chamber in a filling position until completely filled, substantially as and for the purposes set forth.

1,487,305. BOOKBINDING MACHINE. GEORGE WILLIAM YOUNG, London, England. Filed Mar. 26, 1923. Serial No. 627,925. 11 Claims. (Cl. 270—51.)



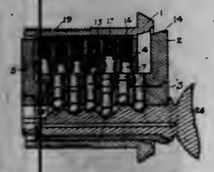
1. In a machine for fixing covers to magazines, pamphlets, catalogues, booklets and the like, the combination with glueing apparatus and means for supporting a pile of covers, of oppositely reciprocating carriages mounted for horizontal traveling, one of said carriages being adapted and arranged to grip a book and convey it back downwards over said glueing apparatus into engagement with the top cover of a pile of covers on said supporting means, and the other carriage being arranged to grip the book from the first carriage and convey it forward with a cover attached for further treatment.

1,487,306. PISTON RING. JOSEPH A. BARRIER, Oakland, Calif. Filed July 19, 1920. Serial No. 397,464. 1 Claim. (Cl. 74—109.)



In a resilient split packing ring, the combination of a major intermediate ring member and two minor side ring members, all of said members having cylinder bearing surfaces of substantially the same width, the said major, intermediate ring member having its opposite sides bevelled from the inner, upper and lower edges uninterruptedly to the cylinder bearing surface thereof and each of the said minor side ring members having their inner surfaces beveled from a point substantially distant from the cylinder bearing surfaces thereof and said bevels continuing uninterruptedly to the upper and lower edges respectively thereof.

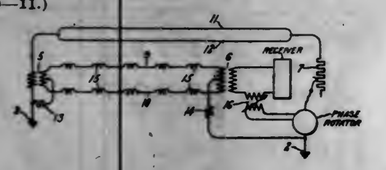
1,487,307. LOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Apr. 24, 1919. Serial No. 292,365. 9 Claims. (Cl. 70—47.)



1. A pin tumbler lock comprising a case, a face element on said case, a core contained in said case, key operable means for releasably retaining said core in said case, a face provided on said core which forms with the face element of the case, the face of the lock.

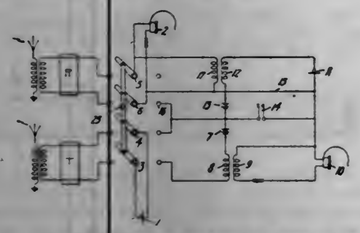
3. In a pin tumbler lock, a core rider having a plurality of barrels therein for pin tumblers and having grooves in its opposite side faces, individual capping devices for the barrels comprising plates adapted to overlie the rider and to close the ends of the barrels, and having downwardly and inwardly turned end portions seated yieldably within said grooves.

1,487,308. RADIO RECEIVING SYSTEM. HAROLD H. BEVERAGE, Riverhead, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1921. Serial No. 438,552. 20 Claims. (Cl. 250—11.)



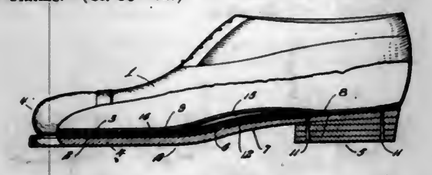
1. A receiving system for radio signals comprising a long horizontal unidirectional receiving antenna, a transmission line for conveying signaling currents from a selected point in said antenna to a distant receiving station, and means for eliminating in the receiving apparatus the effect of currents received upon the transmission line due to the exposure of said line to the effect of ether waves.

1,487,309. AIRPLANE SIGNALING APPARATUS. WILLIAM T. BOOTH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1919. Serial No. 292,655. 2 Claims. (Cl. 179—2.)



1. An airplane signaling apparatus including a radio transmitter and a radio receiver, an aviator's signaling set connected to said transmitter and said receiver, a second aviator's signaling set, means independent of said radio transmitter for connecting said second signaling set to said first named signaling set whereby the operator of said second set may call the operator of said first set at will.

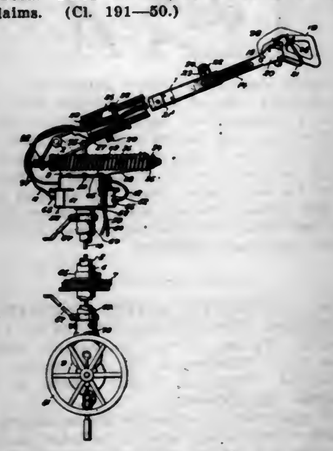
1,487,310. SHOE. ALPHIDA J. BOUTHILLIER, Cranston, R. I. Filed Jan. 29, 1923. Serial No. 615,650. 8 Claims. (Cl. 36—71.)



1. In a shoe, the combination of the welt, the heel, an innersole attached as usual to the heel and to the welt from the ball to the toe, an additional half innersole underneath said innersole extending from the heel to the ball, attached to the welt from the heel to the ball, said innersoles thus forming between them a pocket extending transversely the width of the shoe accessible from either side of the shank, and filling means in said pocket.

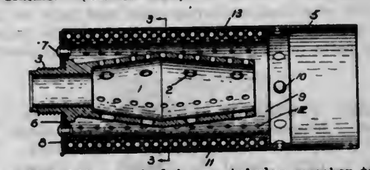
8. In a shoe, the combination of the welt, the heel, an innersole connected to the heel and to the welt from the ball to the toe by stitching extending along the outside edge of said innersole from one side of the ball around the toe to the other side of the ball, an additional half innersole underneath said innersole extending from the front edge of the heel to the ball, connected to said welt by two sets of stitchings, one set extending along the outside edge of said innersole from the front edge of the heel to the ball, the other set extending similarly along the inside edge thereof, said innersoles thus forming between them a pocket extending transversely the width of the shoe accessible from either side of the shank, and filling means in said pocket, said means comprising separate thin, flat filler members provided with a straight edge and a curved edge, said filler members being gradually tapered from the straight edge to the curved edge thereof, the straight edges thereof being placed in the outside edges of said pocket.

1,487,311. CURRENT COLLECTOR FOR ELECTRIC VEHICLES. GEORGE W. BOWER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,094. 12 Claims. (Cl. 191—50.)



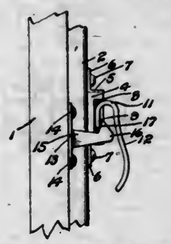
1. The combination with a pivoted trolley pole, of yielding pressure means tending to turn said pole on its pivot, manually driven power means for moving said pole in opposition to said yielding pressure means, and means for connecting and disconnecting said power means with and from said trolley pole.

1,487,312. FLASH HIDER. WILLIAM R. BULL, Springfield, Mass. Filed Oct. 31, 1922. Serial No. 598,205. 3 Claims. (Cl. 89—42.)



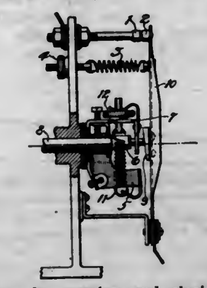
3. A flash hider, embodying, a tubular member tapered toward each end attachable to a discharge orifice for confining escaping gases and directing the same and a medium carried on said member and in the path of the escaping gases.

1,487,313. LATCH CONSTRUCTION. ELVAH O. BULMAN, Grand Rapids, Mich. Filed Mar. 29, 1921. Serial No. 456,531. 3 Claims. (Cl. 292—238.)



1. In combination, a door and a casing therefor, a strike on the casing, a latch lever pivotally mounted at one end on the door, said lever at its free end being formed with an upwardly projecting substantially U-shaped portion, the outer free leg of which is extended downwardly and formed into a handle which covers said strike when the door is in closed position.

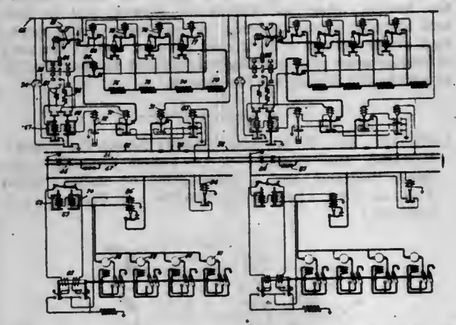
1,487,314. SPEED REGULATOR. MERLE P. CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,602. 7 Claims. (Cl. 200—31.)



3. A regulator for opening and closing an electrical circuit comprising means mounted on a rotatable shaft and responsive to centrifugal force, and a plurality of means for varying the force required to render said centrifugally actuated means responsive, at least one of said means being capable of adjustment while the regulator is functioning.

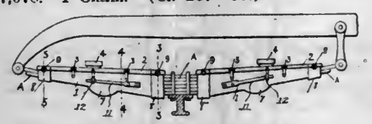
1,487,315. SELECTIVE CONTROL SYSTEM. CHARLES B. CONNELY, New Orleans, La., assignor to General Electric Company, a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,776. 13 Claims. (Cl. 104—149.)

1. The combination in a selective control system of a supply conductor, a switch member, means operated responsively to one value of current through the supply conductor for operating the said switch member to select one portion of a plurality of paths for the current from the supply conductor, and means operated



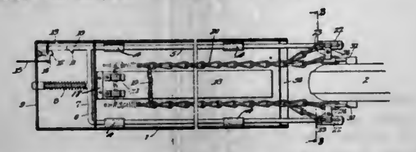
responsively to another value of current through the supply conductor and the first means for operating the said switch member to select another portion of the said paths for the current from the supply conductor.

1,487,316. SPRING OILER. EARL E. CRONENWETH, Wilkinsburg, Pa. Filed Mar. 27, 1922. Serial No. 547,078. 1 Claim. (Cl. 267—37.)



A spring oiler of the class described comprising a trough shaped member, a detachable cover therefor, a filling opening in the cover, packing strips at the ends of the member, yoke shaped members of spring material engaging the ends of the trough shaped member for compressing the packing strips, spring means for holding the yoke shaped members in place, a lining of absorbent material for the trough shaped member, an off set portion formed in the bottom of said member providing an oil reservoir, a keeper laterally disposed from the cover and a spring latch bar rigidly secured to the trough shaped member and having engagement with the keeper so as to allow the trough shaped member and cover respectively to give with the vibrations of the spring.

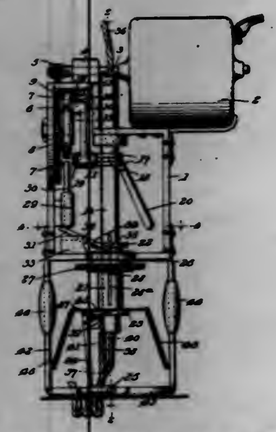
1,487,317. AUTOMATIC TIRE-CHAIN APPLIER. EARL E. CRONENWETH, Wilkinsburg, Pa. Filed Mar. 31, 1922. Serial No. 548,440. 3 Claims. (Cl. 152—14.)



2. The combination with an automobile, of housings supported forward of the drive wheels of the automobile, a centrally folded anti-skid chain in each housing, means in the housings spacing the leads of the chains, clips on said means engaging the chains, spring influenced means arranged for slidable movement through the housings, turnable means on said spring influenced means having right angle fingers to engage the end links of the leads of the chains to arrange the respective end links vertically and horizontally adjacent to the sides of the wheels when the said spring influenced means projects the chains through the housings,

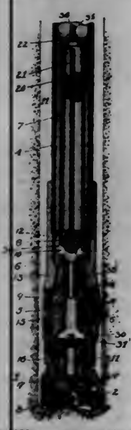
means latching the spring influenced means in the housings, releasing means for said latching means, means on the sides of the wheels to engage the said horizontally disposed links to draw the chains around the treads of the wheels, when the wheels are turned, and to turn said turnable means to bring the end links of the second lead of the chains to horizontal position and in the path of engagement with said last mentioned means whereby to secure the chains on the wheels.

1,487,318. RUG BUILDER. HARVEY JAMES DE FOREST, Portland, Me., assignor to De Forest Products Company, Portland, Me., a Corporation of Maine. Filed Aug. 4, 1922. Serial No. 579,694. 5 Claims. (Cl. 112—80.)



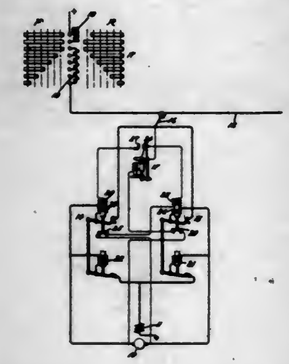
1. A device of the type described including a frame adapted to rest upon and move over the goods being worked, freely rotatable needle carrying mechanism carried by said frame and means also carried by said frame for reciprocating said mechanism.

1,487,319. DEEP-WELL-DRILLING APPARATUS. OSWALD DUDA, Houston, Tex., assignor to Clarence E. Reed, Houston, Tex. Filed Mar. 7, 1922. Serial No. 541,818. 11 Claims. (Cl. 255—71.)



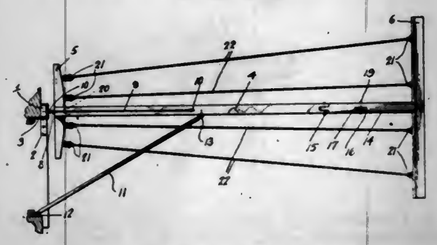
1. A deep well drilling apparatus comprising a drill stem, a drill bit, a lubricant holding chamber, a plunger therein, a rotary member carried by the drill bit and rotated by contact with the earth as the apparatus is rotated, a pump operated by said rotary member, said pump taking its supply from the fluid outside the drill stem and delivering said fluid into the lubricant chamber above the plunger to force the lubricant to the parts to be lubricated, substantially as described.

1,487,320. SYSTEM OF SELECTIVE CONTROL. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,983. 27 Claims. (Cl. 104—149.)



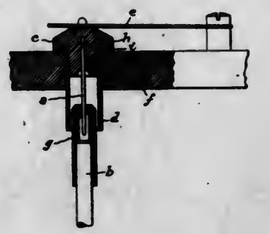
19. The combination in a system of control of a supply conductor, means operated responsively to the potential of said conductor for controlling the selection of the desired portion of a plurality of paths to be established from said conductor, switch mechanism controlled by the said means for establishing the portion of said paths selected, and electroresponsive means energized responsively to the current in the selected portion of the paths for holding the said switch mechanism closed.

1,487,321. CLOTHES HANGER. FRED J. ELIE, Ogdensburg, N. Y., assignor of one-half to John McFarrell, Cardinal, Ontario, Canada. Filed Feb. 7, 1923. Serial No. 617,554. 1 Claim. (Cl. 68—34.)



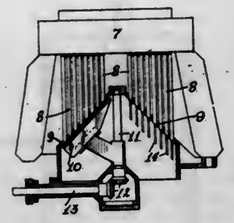
A clothes hanger of the class described comprising a post, brackets supporting the same from a part of a building, an arm extending outwardly from the post, an arm rigidly depending from the inner end of the outwardly extending arm, an extension arm pivotally connected to the forward end of the outwardly extending arm, cross pieces on the arms carried by the outwardly extending arm, pulleys on the cross pieces, clothes lines trained over the pulleys, a tension bar secured to the outwardly extending arm and passing through the extension arm thereof, and adjustable locking means between the tension bar and extension arm of the outwardly extending arm of the post.

1,487,322. GUIDE BEARING. EVAN EVANS, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,924. 3 Claims. (Cl. 64—24.)



1. A guide bearing for shafts comprising a bearing support provided with an opening, a cylinder provided with a flange at one end removably supported in said opening with the flange abutting against said support and with the other end of the cylinder extending through and beyond said support, a needle holder provided with a flange at one end removably supported in said cylinder with its flange abutting against the flange of the cylinder, a needle secured in said holder and a shaft provided with a bearing recess in an end thereof into which said needle extends beyond said support and within said cylinder.

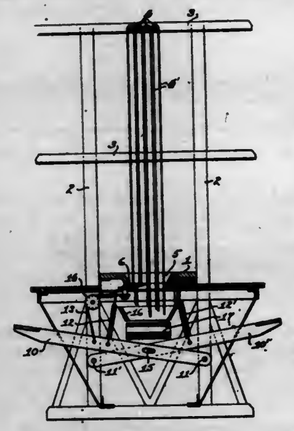
1,487,323. CUTTER FOR ANGLE SHORT-CUT PASTE. MARK E. FONTANA, San Francisco, Calif. Filed May 16, 1922. Serial No. 561,464. 1 Claim. (Cl. 107—14.)



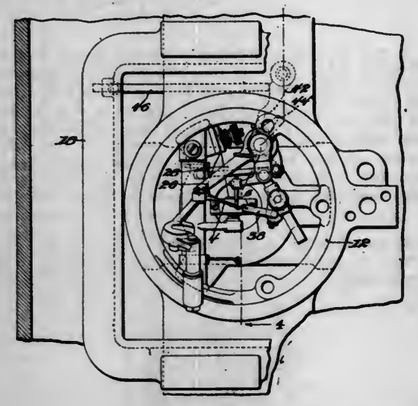
A cutter for the described purpose comprising a hollow conical plate with an open base, the sloping sides of said plate being perforated; means for guiding paste strings to and through said perforated sides from without inwardly; and a revoluble inclined cutter mounted within said plate and operated upon the inner surface of its sides to trim the inwardly projecting paste strings on an angle.

1,487,324. MACARONI TRIMMER. MARK E. FONTANA, San Francisco, Calif. Filed May 16, 1922. Serial No. 561,465. 2 Claims. (Cl. 107—21.)

2. A macaroni trimmer comprising a table having an apertured top and a superstructure adapted to suspend the macaroni with its extremities hanging through said apertured top; a sliding knife mounted under and adapted to traverse the apertured top of the table to trim said pendent macaroni extremities; a pair of parallel spring controlled links pivotally connected with said knife and table; a spring controlled operating lever pivoted to one side of the table and projecting from its other side; a cable connection from said lever to operate the knife; and a second spring controlled operating lever pivoted to said other side of the table and projecting from the opposite side the two levers being slidably connected to operate in unison therewith.



1,487,325. BUTTONHOLE-SEWING MACHINE. JOSEPH FOSSA, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 9, 1920. Serial No. 372,458. 9 Claims. (Cl. 112—242.)



1. A buttonhole sewing machine having, in combination, upper and under thread mechanism, including an under-thread tension located under the work and means for pulling thread through the tension and giving it up at the completion of the sewing to be drawn forward in spacing the work.

1,487,326. CONVEYER. CLAUD E. FULLER, New York, N. Y. Filed Dec. 20, 1922. Serial No. 608,058. 2 Claims. (Cl. 198—34.)

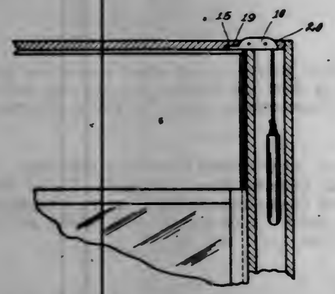
1. In an improved conveyer, the combination of a pair of spaced frame members, a plurality of anti-friction rollers on each side of the frame and the anti-friction rollers on each side being in alinement with each other, a trough secured to the outer side of each of the frame

members, an idler endless conveyer chain mounted for sliding movement in said trough and having the upper surface of the idler chain below the upper portions of the anti-friction rollers, article carrier means adapted to



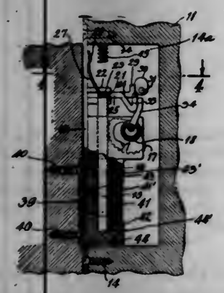
roll on said anti-friction rollers and out of engagement with the idler conveyer chains, and means on said idler conveyer chains adapted to be engaged by the article carrier means to move the idler endless conveyer chains forward step by step.

1,487,327. PULLEY. ABSALOM GARLAND, Oakland, Calif. Filed Dec. 19, 1921. Serial No. 523,601. 1 Claim. (Cl. 16—213.)



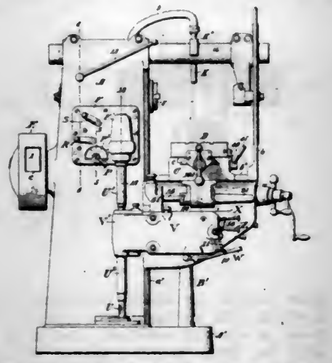
A sash balance comprising a housing having a flange extending from the lower wall thereof with a screw hole therein adapted to screw said housing to the sash casing, two rollers journalled in spaced relation in said housing, the lower wall of said housing having rope holes in the ends thereof and an additional opening in the middle thereof whereby a rope may be readily passed through one rope hole and over the rollers and out of the other rope hole.

1,487,328. LOCK. MAX GOLDEN, New York, N. Y. Filed Nov. 3, 1922. Serial No. 598,795. 6 Claims. (Cl. 292—150.)



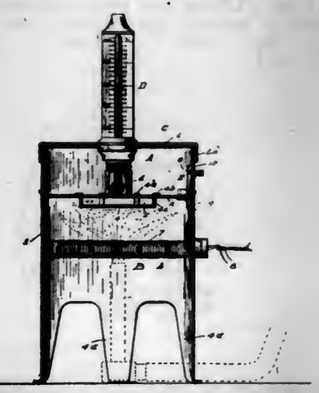
1. A lock comprising a movable portion and a wedge-shaped keeper, said movable portion having a wedge-shaped opening for receiving said keeper, a lock bolt for retaining said portions in engagement, and means for reciprocating said lock bolt in said keeper.

1,487,329. SIMPLIFIED UNIVERSAL MILLING MACHINE. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 8, 1919. Serial No. 336,664. 9 Claims. (Cl. 90—21.)



1. A machine tool organization combining a stationary frame-element; a shiftable frame-element; a transmission shaft journaled on the one element and in translatable relation with the other element; and a telescopic casing enclosing said shaft.

1,487,330. DENTAL OR OTHER FURNACE OR OVEN. GEORGE M. HOLLENBACK, Lewistown, Mont. Filed June 29, 1918. Serial No. 242,521. 1 Claim. (Cl. 126—39.)

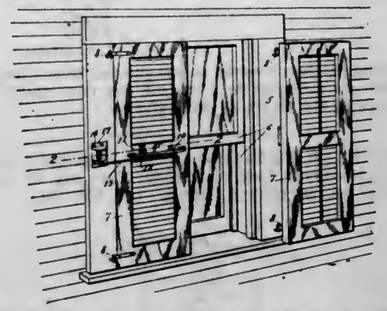


In a dental oven, the combination with a chambered work-holding member, of means supporting said member in elevation, a closure for said member, and means for applying heat to said member; there being a flat heat distributing plate pendent from the base of said work-holding member and interposed between the source of heat and base of the work-holding member; said oven likewise being provided with a thermometer mounted upon said closure and having its heat sensitive element within the chamber of the work-holding member and in contact with the base thereof whereby the temperature within the chambered work-holding member is denoted exteriorly of the oven.

1,487,331. MECHANISM FOR OPERATING SHUTTERS. CHARLES A. HUSSER, Torrington, Conn. Filed Mar. 10, 1922. Serial No. 542,523. 1 Claim. (Cl. 268—14.)

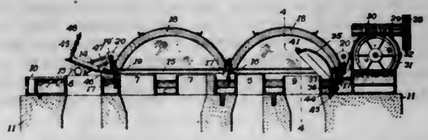
The combination with a swinging shutter for a window structure, of a device for manipulating said shutter through the wall of a building, said device comprising a

guiding member on said shutter, a housing, a swinging arm having its ends upturned, one of said upturned ends being engaged in said guiding member and the other upturned end being located within said housing and having a gear secured thereto, an operating shaft passing through said wall, the outer end of said shaft having a gear adapted to mesh with the gear on said swinging arm, the inner end of said shaft having an intermediate



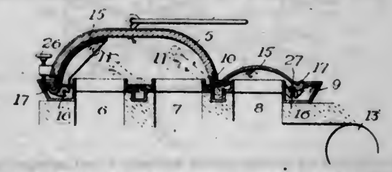
squared section and a threaded extremity, an adjustable stop screwed on said threaded extremity, a stationary notched disk surrounding said shaft, and a sleeve slidable on the squared section of said shaft, said sleeve having notches adapted to mesh with the notches on said disk to lock the shaft in any desired adjusted position, and a spring located between said sleeve and said stop to hold said sleeve in locked position.

1,487,332. REVERSING APPARATUS FOR HEATING FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 26, 1918. Serial No. 268,391. 23 Claims. (Cl. 277—6.)



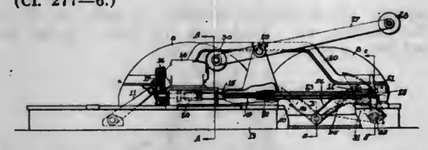
1. The combination with a regenerative furnace, of reversing apparatus therefor constituted by two movable devices, each device, in one position, controlling the flow to said furnace of both air and gas and in the other position, controlling the flow from said furnace of products of combustion.

1,487,333. METHOD OF AND APPARATUS FOR PRODUCING THE REVERSAL OF REGENERATIVE FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1920. Serial No. 370,186. 20 Claims. (Cl. 277—6.)



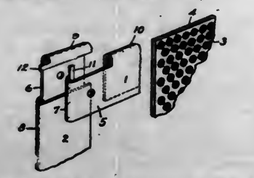
1. The herein described method of reversing a regenerative furnace, which consists in discontinuing the gas supply to one gas regenerator passage while simultaneously connecting said gas regenerator passage to the associated air regenerator passage on the same side of the furnace, and afterwards connecting both of said regenerator passages to the stack, simultaneously with the connection of the opposite gas and air regenerator passages to the gas and air supply.

1,487,334. REVERSING APPARATUS FOR REGENERATIVE FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 2, 1922. Serial No. 579,215. 10 Claims. (Cl. 277—6.)



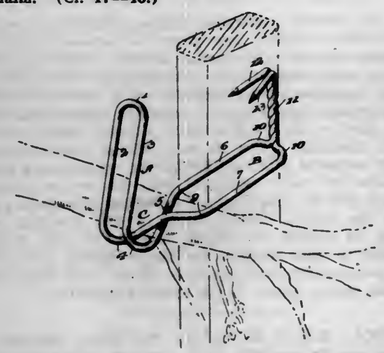
1. In apparatus of the class described, the combination with a set of furnace flues, of a shiftable reversing member cooperating therewith, an end closure for one of said flues, and a common actuating device engaging said member and said closure separately to move them in sequence.

1,487,335. SCREEN. HUGO JAEGER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 29, 1921. Serial No. 504,134. 14 Claims. (Cl. 156—14.)



5. A frame member for a screen comprising a U-shaped member having at each end one of its sides and the curved portion cut away and the end of the remaining said portion bent to form a curved portion extending at an angle to the curved portion of the U-shaped member.

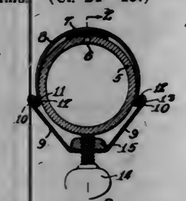
1,487,336. LIMB SUPPORT. BERTHOLD H. KAMP, Sauger, Calif. Filed Nov. 1, 1922. Serial No. 598,374. 1 Claim. (Cl. 47—48.)



A limb support adapted to be mounted on a pole and formed of a single strand of steel wire bent intermediate its ends into a loop, with the legs of the loop bent at an angle to provide a limb engaging member, the legs of the loop beyond the angular portion crossing each other

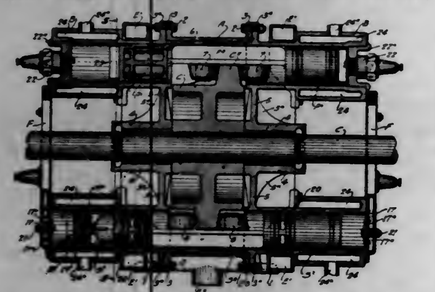
and extended in parallel relation, with the legs beyond the parallel portion being bent inwardly and upwardly at an angle for a portion of their lengths the bent up portions being intimately twisted, the free ends of the legs being bent inwardly and provided with sharp points forming barbs adapted to penetrate the pole, with the parallel portions of the legs embracing the pole in clamping relation, the barbs and the clamping parallel portions cooperating to maintain the limb support in position on the pole, the inwardly bent portions and twisted portion of the legs adapted to engage the pole to relieve strain on the barbs.

1,487,337. PIPE-REPAIR CLAMP. SAMUEL M. KASS, Philadelphia, Pa. Filed Aug. 13, 1921. Serial No. 491,961. 2 Claims. (Cl. 24—19.)



1. In a pipe repair clamp, two clamp members united by clincher joints and together surrounding the pipe, in combination with a screw and nut for tightening the clamp, the nut being located inside of one of the members.

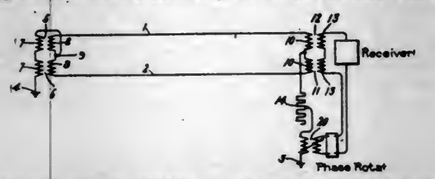
1,487,338. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. JOHN KELLEY, St. Louis, Mo. Filed Jan. 10, 1921. Serial No. 436,131. 6 Claims. (Cl. 123—58.)



1. An internal combustion engine, comprising a rotatable driving member, two groups of opposed cylinders arranged around said driving member in parallel relation to same made up of a plurality of units, each of which comprises a power cylinder and a suction cylinder, reciprocating pistons in said cylinders, devices that connect together the longitudinally aligned pistons of opposed cylinders, a cam on said driving member operatively connected with said devices for reciprocating same, an automatic valve associated with the suction cylinder of each unit for admitting a combustible mixture to same when the piston therein moves in one direction, and means for causing the charge admitted to said suction cylinder to pass through the piston therein and enter the co-operating power cylinder of the unit when said suction piston moves in the opposite direction.

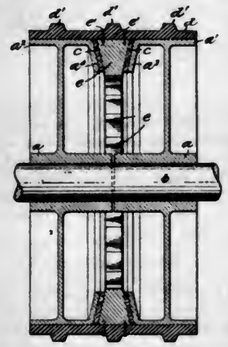
1,487,339. RADIO SIGNALING SYSTEM. EDWARD W. KELLOGG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1921. Serial No. 438,544. 43 Claims. (Cl. 250—20.)

1. A receiving system for radio signals comprising a long horizontal receiving antenna and means for utilizing said antenna as a transmission line for conveying signaling currents from a selected point in said antenna where



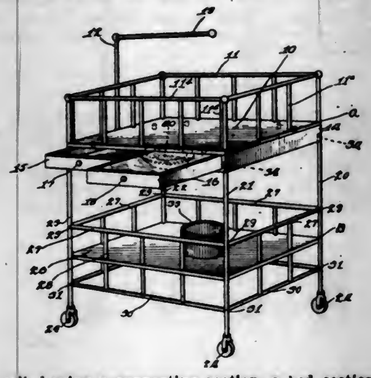
signaling currents received on the antenna from a desired station are strongest to a distant receiving station located along the length of said antenna.

1,487,340. TRACK-LAYING MOTOR VEHICLE. NICHOLAS KROUPSKY, New York, N. Y. Filed Aug. 31, 1921. Serial No. 497,086. 2 Claims. (Cl. 305—10.)



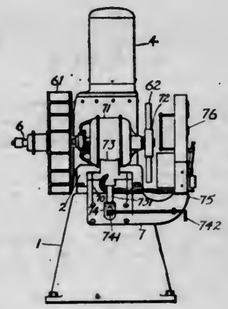
1. In a track laying motor vehicle drive wheels having the periphery thereof provided with inwardly extending proximate inclined flanges, separate friction means for driving purposes supported on the proximate faces of said flanges and a track passing over said wheel and provided on its inner face with a series of independent incompressible spaced blocks adapted to be engaged in driving relation with said driving means on said flanges.

1,487,341. CHILD'S COMBINATION CRIB AND BED. MARY LOUISE LANGE, Chicago, Ill. Filed June 25, 1920. Serial No. 391,784. 1 Claim. (Cl. 5—2.)



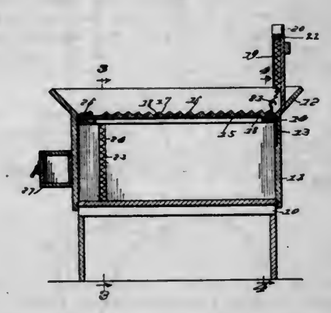
A crib having a supporting section, a bed section having a base and detachably supported by the supporting section, a rail surrounding the bed section, a portion of said rail being removable, and drawers carried by said base and adjacent the removable portion of the rail.

1,487,342. ELECTRIC GENERATING APPARATUS. JOSEPH O. W. LAVALLÉE, Montreal, Quebec, Canada, assignor to Caron Brothers Incorporated, Montreal, Canada. Original application filed Oct. 31, 1921, Serial No. 511,893. Divided and this application filed Dec. 26, 1922. Serial No. 609,088. 5 Claims. (Cl. 290—1.)



1. In a power plant the combination of a prime mover, a rectangular base thereto, a bracket seat on the side of the base, with a bracket adapted to be attached to the bracket seat in accurate adjustment, an electric generator and a switch board supported on the bracket and means to couple the prime mover to the generator.

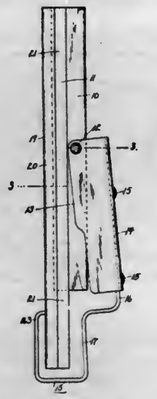
1,487,343. WASHING APPARATUS. EDWARD K. LEESON, Gastonia, N. C. Filed Jan. 25, 1922. Serial No. 531,789. 3 Claims. (Cl. 68—29.)



1. In a washing apparatus, a tub, a perforated washboard, means for yieldingly supporting the washboard in an approximately horizontal position free of the bottom of the tub, and an antifriction means carried by the washboard adapted to engage the stationary part of the wall of the tub during the washing operation.

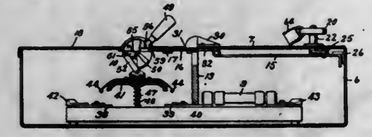
1,487,344. WINDSHIELD CLEANER. EDWARD F. LUKENS, West Haven, Conn., assignor to The New England Tube Stamping Company, Inc., West Haven, Conn., a Corporation. Filed July 21, 1922. Serial No. 576,510. 2 Claims. (Cl. 15—252.)

1. In a wind-shield cleaner, the combination of a resilient holder, consisting of a single strip of spring-metal bent to form substantially parallel inner and outer arms; wiper-carrying members permanently mounted upon the respective arms of the said holder, one of the said members being pivoted to its arm and one member carrying a single thick strip of felt, and the other wiper-member carrying two flexible, rubber wiper-strips, spaced apart



to receive the said strip of felt between them, and a web between the strips forming a stop-abutment therefor when the device is not in use.

1,487,345. ELECTRICAL APPARATUS. AXEL W. LUNDSTROM, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 9, 1919. Serial No. 288,800. 9 Claims. (Cl. 200—50.)



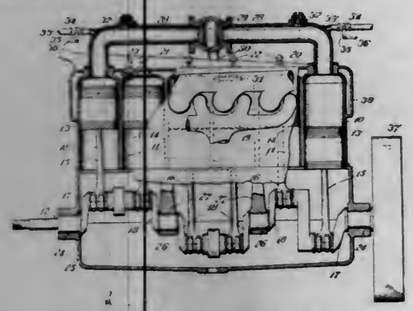
2. The combination of an electrical device, an enclosing case for said device, a door to said case adjacent said device, a manually operated switch in said case, a manually operated latch for securing said door in closed position, said latch and said switch operating entirely independently and each incapable of effecting operation of the other, and a part movable with said latch into the path of travel of a part moving with said switch when said latch is retracted to prevent movement of said switch so long as the door is open or unlatched.

1,487,346. SAW CYLINDER. ALEXANDER S. MACKENZIE, Houston, Tex., assignor to The Garner Gin Company, Inc., Houston, Tex., a Corporation of Texas. Filed Aug. 30, 1921. Serial No. 496,848. 21 Claims. (Cl. 19—97.)



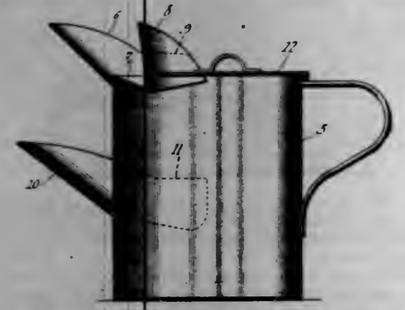
1. A toothed cylinder for separating fibers having a rotary relatively elongated axially positioned supporting element, and a series of sets of independent toothed saw segments each normally lying in a plane slightly inclined in the same direction with respect to the planes normally transverse to the axis of the cylinder.

1,487,347. ENGINE. EDWARD H. MARTIN, Los Angeles, Calif. Filed Sept. 20, 1922. Serial No. 589,317. 9 Claims. (Cl. 123—109.)



1. An engine comprising a crank shaft, a plurality of driving cylinders, associated braking cylinders, pistons for said driving and braking cylinders, connecting rods between said pistons and the cranks on said shaft, and a valve controlled communicating passage between said braking cylinders whereby the extent of braking action may be varied.

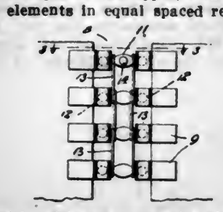
1,487,348. EGG SEPARATOR. OSCAR WILLIAM MOESLEIN, Harrisburg, Pa. Filed Dec. 5, 1922. Serial No. 605,041. 1 Claim. (Cl. 146—2.)



In a device of the class described, a body portion, a lip formed at the upper end of the body portion, and extending outwardly therefrom, a flange extending downwardly and inwardly from the upper edge of the body portion at a point adjacent to the lip, an upwardly extended lip formed integral with the inner edge of the flange, the first mentioned lip having curved walls formed at its ends and being secured to the second mentioned lip, a lip secured to the outer surface of the body portion at a point intermediate its ends and directly below the first mentioned lip, the first mentioned lip extending to a point beyond the outer edge of the first mentioned lip and a cover adapted to rest on the upper edge of the body portion and engage the second mentioned lip to retain material in the body portion while the body portion is being tipped forwardly.

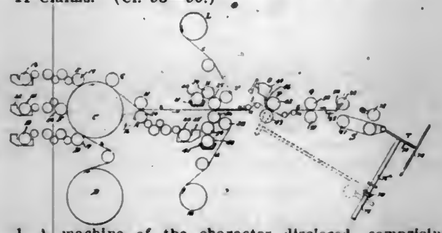
1,487,349. SHOE FASTENER. ANTHONY E. MONGELLUZZO, Barnesboro, Pa. Filed Apr. 27, 1923. Serial No. 634,928. 1 Claim. (Cl. 24—207.)

A quick detachable shoe fastener including a plurality of pairs of plates secured to the opposite edges of the opening in the shoe upper in spaced relation, the plates at one side of the opening being in opposite corresponding relation with the plates at the other side of the opening, all of said plates being formed with sockets beyond the edges of the upper, a plurality of fasteners having the ends formed for cooperation with corresponding sockets on the opposite edges of the upper, and means securing the fastening elements in equal spaced relation with the



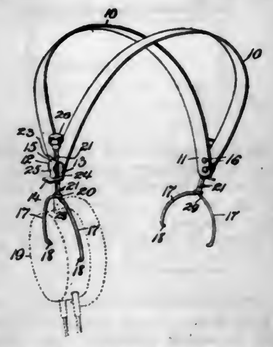
plates and positioned between opposite plates in fastened relation adapted for moving all of said fastening elements into or out of fastening cooperation with said plates simultaneously.

1,487,350. TAG MAKING AND PRINTING MACHINE. CARL A. MONSON and HARRY GEARING, Los Angeles, Calif., assignors, by mesne assignments, to Hadley Tag & Machine Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 14, 1920. Serial No. 358,746. 11 Claims. (Cl. 93—90.)



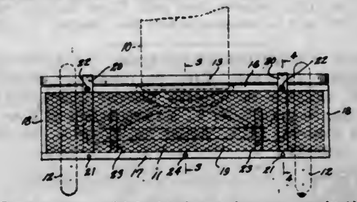
1. A machine of the character disclosed, comprising means for feeding tag stock, means for applying reinforcement material thereto at spaced points, means for puncturing the tag stock through the spaced reinforcement material, means for trimming the tag stock, and means for severing the tag stock into separate tag formations; means likewise being provided for applying eyelets to the tag stock at the reinforced portion thereof.

1,487,351. HEADPIECE FOR TELEPHONES. ADOLPH MONTAN, West Orange, N. J., assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Filed May 27, 1922. Serial No. 564,017. 3 Claims. (Cl. 119—156.)



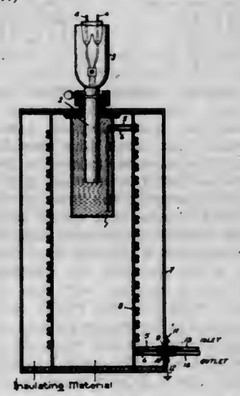
1. A head piece for telephones comprising an overhead support, a clip secured to the end of the support, said clip being formed from a single sheet of metal bent to form a bottom flange and an overhead loop, both perforated, and a stem passing through the perforations, the end of the loop being disposed so as to engage the side of the stem to hold it by friction against the edge of the perforations.

1,487,352. AUTO LIFE GUARD. JOHN H. NELSON, Bridgeport, Conn. Filed Oct. 10, 1923. Serial No. 667,643. 7 Claims. (Cl. 293—54.)



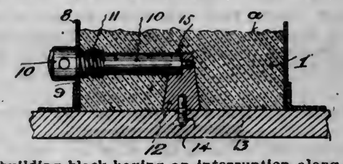
1. In a motor vehicle having a bumper projecting forwardly of the wheels thereof, a guard suspended from the bumper and extending downwardly therefrom, a bowed spring connected to the guard at a distance beneath the bumper, and means for connecting the spring to the vehicle.

1,487,353. ELECTRON-DISCHARGE APPARATUS. HENRY J. NOLTE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1921. Serial No. 499,261. 6 Claims. (Cl. 250—27.)



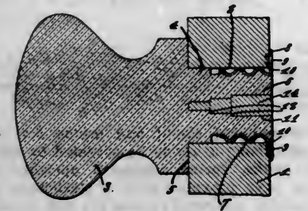
1. The combination with an electron discharge device having an exhausted receptacle a portion of which consists of metal, the metal portion of said receptacle forming one of the electrodes of said device, of a container for a cooling liquid in which the metal portion of said receptacle is adapted to be inserted, and means for providing a circulation of the cooling liquid in said container comprising inlet and outlet pipes of insulating material, said pipes being of such length that the columns of cooling liquid contained therein are adapted to effectively insulate the container and the portion of the receptacle within said container from an apparatus by which a circulation of cooling liquid through said pipes may be maintained.

1,487,354. MEANS FOR GROUTING MASONRY. JOHN F. O'ROURKE, New York, N. Y. Filed Aug. 28, 1919. Serial No. 320,345. 2 Claims. (Cl. 72—101.)



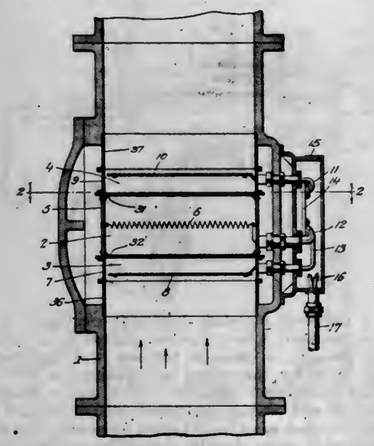
2. A building block having an interruption along a face and provided with a passage for grout having outlet openings through said face on opposite sides of the interruption, said passage having an inlet in another face.

1,487,355. DRAWER KNOB. CHARLES G. OVERMYER, Hartford City, Ind. Filed June 2, 1921. Serial No. 474,499. 5 Claims. (Cl. 16—121.)



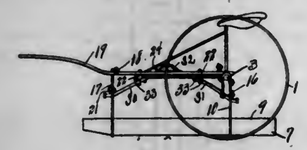
3. A knob of the class described provided in its inner end with a bore; and reflecting material in the bore.

1,487,356. FLUID METER. HORACE N. PACKARD, Milwaukee, Wis., assignor to The Cutler-Hammer M'f'g Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 13, 1918. Serial No. 228,398. 7 Claims. (Cl. 73—167.)



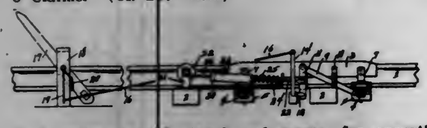
1. In a fluid meter the combination with measuring means including a fluid passage and a meter element to substantially conform with the shape and size of said passage but having a clearance with the walls of such passage, of means located within said passage to reduce the cross section of the stream of fluid passing said element.

1,487,357. BOLL-WEEVIL-CATCHING MACHINE. SAM PAVILLARD, Decatur, Tex. Filed Jan. 25, 1923. Serial No. 614,896. 5 Claims. (Cl. 43—133.)



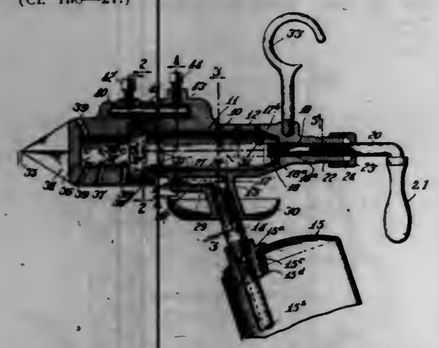
1. An insect gathering machine comprising a wheeled truck provided with an axle and a frame, a transverse bar mounted slidably on said frame, gathering pans suspended from said bar and slidably mounted on said axle, and means for shaking insects and boils and squares into said pans during the moving of said truck.

1,487,358. TRAIN-ACTUATED SIGNAL FOR ROAD AND STREET CROSSINGS. SAM PAVILLARD, Decatur, Tex. Filed Nov. 30, 1923. Serial No. 677,682. 5 Claims. (Cl. 246—293.)



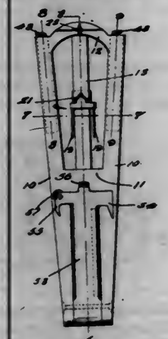
1. A train-actuated signal and means for operating the same comprising a bar to be actuated by the wheels of passing trains, spring supported uprights carrying said bar, a lever provided with a stationary fulcrum, a strap pivotally connected to said bar and to said lever, a crank-shaft having cranks on the ends thereof, a link bar pivotally connected to said lever and to one of the said cranks, and a pull rod connected to the other crank and operatively connected to said signal.

1,487,359. TORCH. JOHN PETERSON, Maywood, Ill. Filed June 24, 1921. Serial No. 480,017. 8 Claims. (Cl. 158—27.)



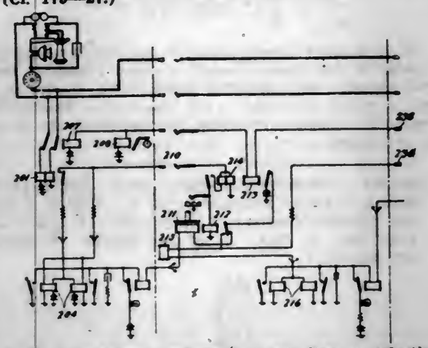
1. A device of the class described, comprising a combustion chamber, a fuel chamber adapted to contain fuel under pressure, a passage between said chambers, a needle valve for controlling said passage at its outlet into said combustion chamber, and a pocket formed in the bed of said passage positioned adjacent to said combustion chamber so as to be heated therefrom, and adapted to collect liquid fuel in a pool beneath the stream of vaporized fuel flowing through said passage.

1,487,360. COMBINATION TOOL. STANLEY J. PHILLIPS, Mayfield, Pa. Filed Jan. 29, 1923. Serial No. 615,677. 5 Claims. (Cl. 7—16.)



1. A device of the character described, comprising a frame having upper and lower open portions, a bar arranged centrally in the upper portion and constituting a support for a sliding tool-carrying member, a pivoted tool-carrying member arranged in the lower portion, angularly disposed extensions projecting from the pivoted tool-carrying member, and said frame having recesses to receive said extensions when the member is folded.

1,487,361. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1919. Serial No. 278,575. 16 Claims. (Cl. 179—27.)



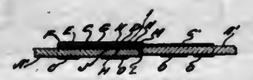
1. In a telephone system, a trunk line, a selective switch in which said trunk terminates, a controlling mechanism including a plurality of registers, a control circuit including said trunk line extending from said mechanism to the selective switch, a second selective switch, means controlled by one of said registers over said circuit for operating the first selective switch to extend said trunk line too said second switch, means for associating the control circuit with another of said registers, means operated when said first switch reaches a certain stage in its operation for delaying the association of said second register with the control circuit, means operated when the first switch reaches a further stage in its operation for rendering said delaying means ineffective, and means operated when the second register becomes associated with the control circuit for completing said control circuit to said second switch.

1,487,362. DRYING APPARATUS. OTIS D. RICE, Winthrop, Mass. Filed Mar. 15, 1922. Serial No. 543,937. 8 Claims. (Cl. 34—48.)



1. In a drying apparatus of the type having a drying chamber, means to cause the drying medium to circulate therein through a closed circuit, and means to maintain vacuum conditions in said chamber, the combination with a drying chamber having an inlet passage leading thereto, of means to feed web material into the chamber through said passage, and means to reduce progressively the pressure from the outer to the inner end of the passage.

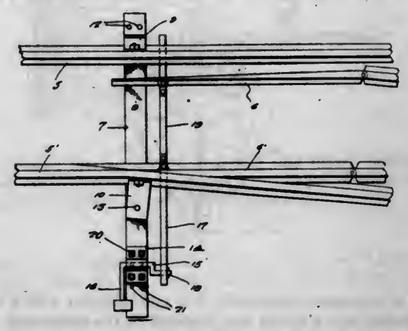
1,487,363. LOCK FOR CARTONS. WERNER F. ROTHERMUND, Brooklyn, N. Y., assignor to Thompson & Norris Company, Brooklyn, N. Y. Filed Jan. 6, 1922. Serial No. 527,527. 2 Claims. (Cl. 229—4.)



1. A lock of the character described comprising a member comprising spaced plates one of which has resilient portions extending into the space between said plates,

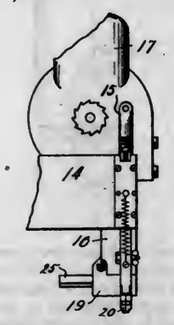
a second member having slots therein adapted to advance between said spaced plates, said slots being adapted to be engaged by said resilient portions.

1,487,364. TIEBAR AND SLIDE PLATE FOR RAILROAD TRACKS. JOHN W. SCHMIDT, Millstone, Ky. Filed Nov. 8, 1923. Serial No. 673,524. 2 Claims. (Cl. 246—453.)



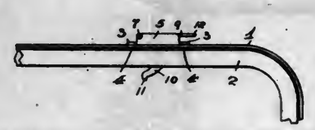
1. A combined tie bar and slide plate device comprising a bar to extend across and beneath the main rails of a railroad track and having its portion between said main rails upwardly offset to form a slide surface for switch rails and to provide depressed seats at the ends of said offset portion for confining the main rails against inward relative lateral movement, clamp plates secured to the bar at the outer sides of the main rails and to the webs of the main rails, said bar having an extension at one side of the track, a bearing secured upon said extension, and switch point throwing mechanism including a rock shaft journalled upon said extension beneath said bearing plate.

1,487,365. RIVET-SETTING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed July 11, 1921. Serial No. 483,705. 4 Claims. (Cl. 218—2.1.)



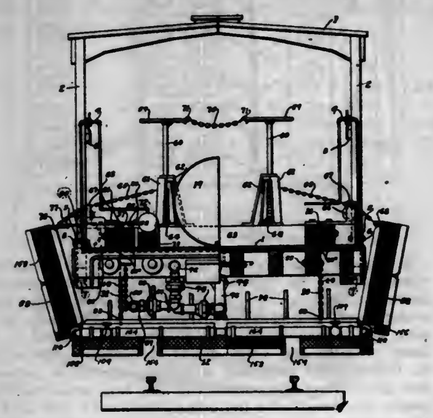
3. A detachable unitary nose-piece for the purpose described, having a raceway section comprising a longitudinal groove with a shelf on each side thereof, one of the shelves being longer than the other shelf and the floor of the groove, the nose-piece having a longitudinal T-slot therein out of alinement with the groove before mentioned, and a T-slot extending transversely of the nose-piece between said first mentioned groove and said second mentioned groove, the end of the shorter shelf and of the floor of the first named groove being in the line of extension of the transverse T-slot.

1,487,366. BAG-FRAME FASTENER. HUGO TUECKMANTEL, Irvington, N. J., assignor to The R. Neumann Hardware Co., a Corporation of New Jersey. Filed Apr. 21, 1922. Serial No. 555,922. 8 Claims. (Cl. 292—228.)



1. A bag-frame fastener comprising a base-plate adapted to be secured to a frame-section of a bag-frame, said base-plate being provided with a longitudinally extending opening, marginal flanges extending upwardly from and longitudinally with said base-plate so as to provide an open-ended member, a manipulating lever providing a cover-plate pivotally disposed between said flanges, and locking means connected with said lever and movable in the opening of the base-plate for engagement with a frame-section.

1,487,367. WEED BURNER. HARRY M. WILLIAMS, Little Rock, and JOHN W. DEAN, deceased, late of Little Rock, Ark., by Ruth L. Dean, administratrix, Little Rock, Ark. Filed June 28, 1919. Serial No. 307,471. 12 Claims. (Cl. 299—31.)



1. A device of the class described comprising a car, a burner arranged beneath said car and comprising a central body portion, side wings hingedly connected thereto, means on said body portion and said wings for projecting jets of heated fluid downwardly therefrom, power means for raising and lowering said burner bodily, and manually operable means for raising and lowering the burner, substantially as described.

1,487,368. PROPELLING APPARATUS FOR WATER SPORTS AND FOR LIFE-SAVING. CHARLES BERKA, New York, N. Y. Filed Jan. 31, 1924. Serial No. 689,598. 6 Claims. (Cl. 9—18.)

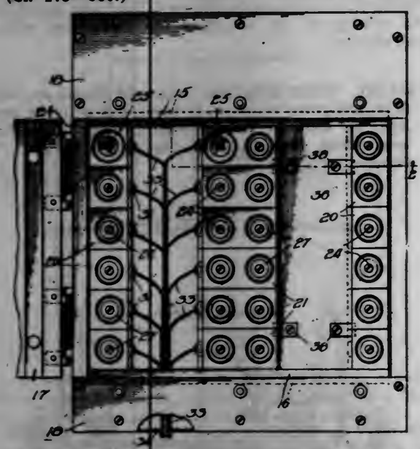
6. A buoyant apparatus of the character described comprising elongated longitudinal spaced apart pontoons, a normally open rectangular transverse frame connecting the same, pivoted resistance wings secured between the sides of said frame and adapted when folded to close the passage through said frame and when thrust forwardly

against the water to open and clear said passage, and a handle bar to be grasped by a user of the apparatus for



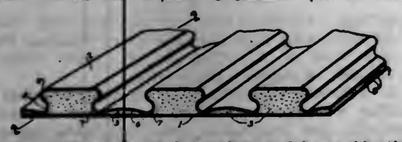
alternately thrusting the apparatus forwardly and drawing himself toward the apparatus, whereby the user is enabled to propel himself through the water.

1,487,369. PANEL BOARD. GUSTAVE W. BERTHOLD, Chicago, Ill. Filed Jan. 2, 1917, Serial No. 140,144. Renewed Sept. 1, 1922. Serial No. 585,833. 31 Claims. (Cl. 175—300.)



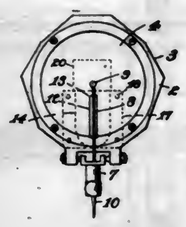
5. A panel board having, in combination, an insulating board, a pair of power busbars of opposite polarity mounted thereon, two rows of individual fuse plug sockets, each row mounted directly upon one of said bars, each socket comprising an insulating base shaped to fit down over the bar, screw means for securing the socket to the bar and providing electrical connection between one terminal of the socket and the bar, wire-attaching means associated with the other terminal of each socket, the sockets of each row abutting close together and completely covering the bars, the transversely opposite sockets on the bars constituting pairs of which the wire-attaching devices face each other, and the rows of sockets providing a channel for the wires, and a lid cooperating with the rows of sockets for closing the top of said channel.

1,487,370. PLASTER LATH. CHARLES R. BIRDSEY, Hinsdale, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1920. Serial No. 405,924. 8 Claims. (Cl. 72—124.)



1. In a lath of the kind described and in combination, a cover sheet, a corrugated sheet arranged thereover with a plaster body arranged therebetween, the corrugated sheet substantially contacting with the first sheet at each side of the bottom of the corrugations whereby the two sheets substantially form a series of hinges at different points, with a body of plaster between the hinge points.

1,487,371. REPRODUCER FOR PHONOGRAPHS. CORA E. BROWN, White Plains, N. Y. Filed Mar. 6, 1923. Serial No. 623,088. 1 Claim. (Cl. 274—35.)



A reproducer comprising a frame provided with a diaphragm and a stylus arm attached to the diaphragm, the frame having a rear plate provided with a comparatively narrow radial slot that extends from the margin inwardly and a connecting tube secured to the rear plate with its bore communicating with said slot.

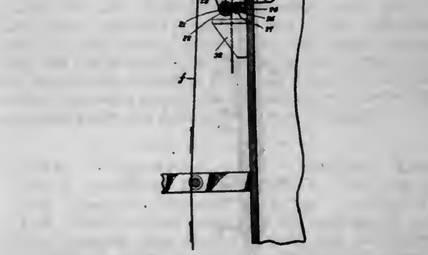
1,487,372. MAIL BOX. RAY COBEL, Newark, Ohio. Filed Mar. 31, 1923. Serial No. 629,059. 4 Claims. (Cl. 232—40.)



1. In combination, a supporting member, a cylindrical receptacle mounted upon the support for partial rotation in either direction and having a longitudinal slot, said receptacle being normally disposed to position the slot in confronting relation to the support, means for turning the receptacle, and means to limit the turning movement of the receptacle in one direction as and for the purpose specified.

1,487,373. POWER-TRANSMITTING MECHANISM. GERALD DRAKIN, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1922. Serial No. 557,818. 12 Claims. (Cl. 192—4.)

1. In a driving mechanism, a rotatable driving member, a rotatable driven member normally disengaged from said driving member, means for intermittently flexing one of said members into driving engagement with the other,



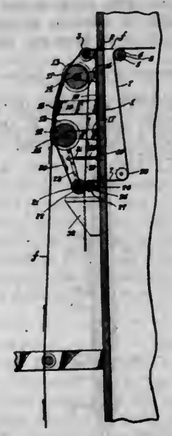
and means for frictionally engaging said driven member upon its release from said driving member operable to stop the rotation of said driven member.

1,487,374. HAIR-DYEING COMB. VERA DE BASSINI, New York, N. Y. Filed Oct. 25, 1923. Serial No. 670,663. 17 Claims. (Cl. 132—18.)



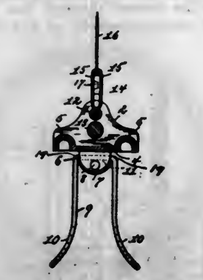
1. A hair dyeing comb provided intermediate the base of the teeth and the back edge of the comb with a longitudinal slot, and an absorbent pad extending through the slot and projecting an appreciable distance beyond the sides of the comb.

1,487,375. WIPING ATTACHMENT FOR FILM-DRYING APPARATUS. CAMILLE HENRI FUCHS, New York, N. Y. Filed Apr. 12, 1922. Serial No. 551,878. 8 Claims. (Cl. 34—48.)



1. A mechanical wiping attachment for film drying machines comprising an endless drying belt supported to engage the film, means for driving the drying belt with a relative movement between the belt and film and means operative continuously to remove excess moisture from the belt.

1,487,376. RAZOR-STROPPING DEVICE. FRANK A. FULLER, Newark, N. J. Filed Mar. 6, 1919. Serial No. 280,982. 1 Claim. (Cl. 51—153.)



A razor stropping device comprising a frame made from a single piece of suitable sheet material adapted to slide longitudinally of a strop, said frame comprising a body portion and two oposite side portions parallel each to each, said body portion being provided with an upwardly struck strengthening rib or bead at each edge and a pair of integral downwardly extending apertured lugs, a handle made from a single piece of suitable sheet material, said handle comprising two opposite side portions parallel each to each and connected by an upper cross-piece having backwardly struck ears lapped by said lugs and pivotally connected to said lugs so that the said upper cross-piece of the handle engages with the under part of the body portion of the frame for limiting the movement of the frame.

1,487,377. COLLAPSIBLE STOVE AND STAND. ARTHUR C. GAYNOR, Stratford, Conn., assignor to S. Sternau & Co. Inc., a Corporation of New York. Filed Jan. 19, 1923. Serial No. 613,603. 10 Claims. (Cl. 126—229.)

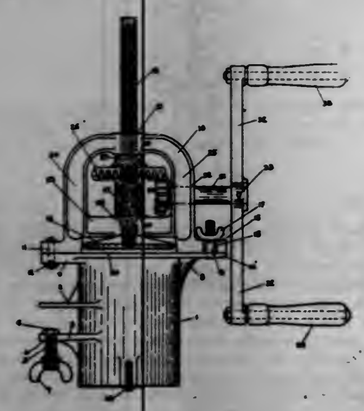


9. A device of the type described which comprises a base plate having openings at opposite ends thereof and an elongated slot between said openings, each of said openings being provided with a pintle, standards hinged one on each of said pintles, said standards having an opening, a pintle in the opening of one of said standards, a stay rod having one end hinged to said pintle and having a depending tongue sliding in said elongated slot and an upright guide on the sliding end of said stay rod adapted to rest against a can placed against the opposite standard to hold said standards in upright position.

1,487,378. MACHINE FOR MAKING NOODLES, MACARONI, AND SPAGHETTI. NICOLA D. GIGLIOTTI, Lorain, Ohio. Filed Dec. 16, 1921. Serial No. 522,775. 1 Claim. (Cl. 107—14.)

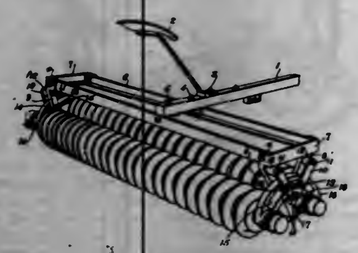
In a household machine for making noodles, macaroni, spaghetti and the like, the combination with a cylinder of a piston reciprocable therein, an apertured die-plate at one end of the cylinder, motion reducing gear mechanism to effect reciprocation of the piston, a bracket clamp secured to a side of the cylinder to clamp the

cylinder to a supporting board, a horizontal rotatable shaft adapted when rotated to drive said mechanism against the resistance of dough paced in the cylinder and pressed by the piston through the die-plate apertures, a pair of cranks secured to the shaft to rotate



it, handles therefor disposed on opposite sides of the shaft, said handles being simultaneously manually revoluble about the shaft to reciprocate the piston, the stresses incidental to such operation being thereby substantially balanced without placing undue strain upon said clamp and board connection.

1,487,379. AGRICULTURAL IMPLEMENT. RICHARD H. GRIFFITH, Bellevue, Ohio, assignor to The Ohio Cultivator Company, Bellevue, Ohio, a Corporation of Ohio. Filed Apr. 18, 1921. Serial No. 462,091. 18 Claims. (Cl. 55—77.)



1. In a device of the character described, a main frame, a floating frame, and means for maintaining the weight of the main frame equally distributed on both ends of the floating frame, said means including connections between the frames for allowing the floating frame to move relatively to the main frame while maintaining the center of weight of the main frame substantially in vertical lines above the points midway between the ends of the floating frame.

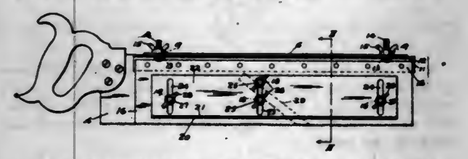
1,487,380. CONTROL-LEVER SILENCER. VERNON J. HARRIS, Detroit, Mich. Filed Mar. 24, 1921. Serial No. 455,354. 5 Claims. (Cl. 74—39.)

1. In a motor vehicle, in combination, a change speed gear control lever, a fulcrum supporting said lever intermediate the ends thereof for universal movement, change speed gear mechanism so positioned as to be engaged by said lever below said fulcrum, a spring bearing member



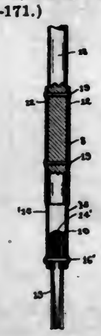
adapted to be engaged by said lever above said fulcrum when in a determined gear shift position to limit the vibration of said lever.

1,487,381. ADJUSTABLE GROOVING DEVICE. ARTHUR J. HELMS, Portland, Oreg., assignor of one-half to Edward J. Vennewitz, Portland, Oreg. Filed Dec. 9, 1922. Serial No. 605,990. 8 Claims. (Cl. 145—31.)



1. In a grooving device, the combination of, two saws of common type, having rigid angled plates on their backs, one free member of which plates is superimposed upon the opposing free member, an angled guide plate positioned alongside one of said saws, and means in and upon said saws, plates and guide to adjust and secure the saws apart, with their teeth in parallel longitudinal planes, and the guide in position to engage the surface of material when said saws have cut the same to a predetermined depth.

1,487,382. BROOM AND METHOD OF MAKING SAME. AUGUST H. HENNING and OSCAR E. QUAST, Milwaukee, Wis. Filed Apr. 3, 1922. Serial No. 549,126. 5 Claims. (Cl. 15—171.)

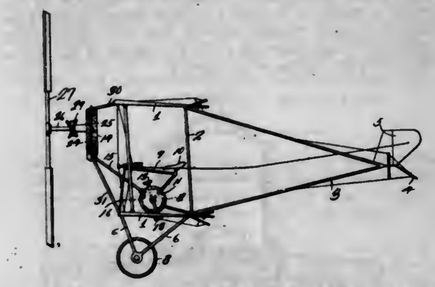


1. A method of making a broom which consists in providing a piece of sheet metal having a medial body portion with longitudinally extending end tongues and transversely extending complementary socket portions, placing

medial portions of fibers transversely of the body portion and then bending the end tongues toward each other and over the fibers and then bending the body portion and the tongues medially longitudinally, and the fibers transversely, to clamp the fibers medially of their length, and then bending portions of the body part on each side of the longitudinal bend upwardly toward each other to form a socket.

5. A broom, comprising a head formed of sheet metal having a U-shaped medial body portion and inwardly projecting tongues of U-shape in cross section, said body portion having side parts which extend upwardly from its lower edges and are connected together at the edges and bulged outwardly to form a socket, a handle extending into said socket and connected thereto, said body portion also having end clips which interlock to connect the end portions of the body together, fibers clamped medially of their length between the U-shaped body portion and the U-shaped tongues, and means extending through and connecting medial parts of the body portion together.

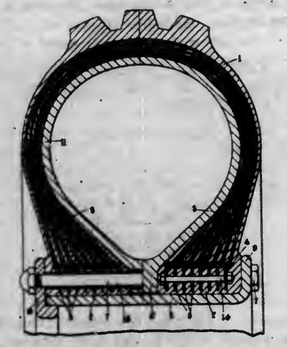
1,487,383. FLYING MACHINE. FRANK L. HEYDON, Ponca, Nebr. Filed Oct. 6, 1921. Serial No. 505,959. 1 Claim. (Cl. 244—14.)



A flying machine comprising a frame, an operator's seat disposed on said frame, a main drive gear disposed below said operator's seat, pedals carried by said drive gear whereby the operator may rotate the same with his feet, a pair of propellers mounted on shafts and disposed adjacent the forward end of the frame, one of said propeller shafts being rotatably mounted in the other propeller shaft and having its inner end extending beyond the inner end of the other shaft, bevelled gears in opposed positions carried by said shafts and spaced from each other, said bevelled gears and shafts being carried by a frame supported casing, a bevelled gear disposed between said shaft carried bevelled gears and meshing therewith, a downwardly extending shaft carried by the last named bevelled gear, a bevelled gear carried by the lower end of the last named shaft, an angularly disposed downwardly and rearwardly extending drive shaft, a bevelled gear carried by the upper end of said last named shaft, an idle gear connecting the last-named bevelled gear and the bevelled gear carried by the lower end of the downwardly extending shaft and a bevelled gear carried by the lower end of the downwardly and rearwardly extending shaft and meshing with the drive gear.

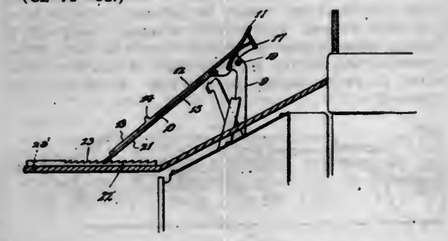
1,487,384. PNEUMATIC TIRE. ALEXANDER ALBERT HOLLE, Paddington, London, England. Filed Mar. 14, 1923. Serial No. 625,097. 3 Claims. (Cl. 152—13.)

2. A pneumatic tire comprising an arch-shaped cover having enlarged edges shaped to form feet the reinforcing fabric of which consists of a plurality of layers of cord wound over the arch of the cover and around anchorages in the feet of the cover, a plurality of hoops each made up of a series of segments said hoops being located side by side in each of the feet of the cover and adapted to form anchorages for the loops of the cords forming the reinforcing fabric, a rim comprising a flat main part having a fixed flange at one edge and a detachable flange at the other edge, an air tube having a radial flange on its inner circumference, and a plurality of transverse bolts passing through the flanges of the rim,



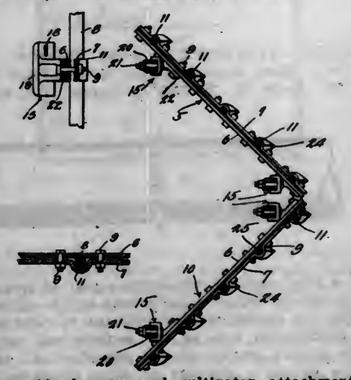
the feet of the arch-shaped cover and the radial flange of the air tube said bolts being also employed to connect together the segments of each of the hoops in the feet of the cover.

1,487,385. PEDAL LATCH FOR MOTOR VEHICLES. HEBER HOY, Parkersburg, W. Va., assignor of five-eighths to Ideal Sales Company, Parkersburg, W. Va. Filed Mar. 8, 1923. Serial No. 623,740. 6 Claims. (Cl. 74—81.)



1. A pedal latch for motor vehicles including a foot plate, yieldable means for pivotally connecting said plate with the pedal, and means to cooperate with the foot plate locking the pedal when rocked forwardly.

1,487,386. HARROW ATTACHMENT. JOHNSTON W. HUDSON, Humboldt, Tenn. Filed July 23, 1923. Serial No. 653,249. 2 Claims. (Cl. 97—5.)



1. In a side harrow and cultivator attachment including two gang frame bars, connectors carried by said bars for uniting said bars to the shanks of a cultivator,

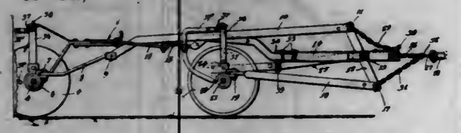
said connectors each comprising a longitudinally slotted shank engaging plate having side flanges with an arm extending at an oblique angle from said plate and longitudinally slotted for adjustable connection with said gang frame bars.

1,487,387. FASTENER. ELEANOR A. HUELBUTT, Parrish, Wis. Filed Feb. 27, 1923. Serial No. 621,621. 3 Claims. (Cl. 24—226.)



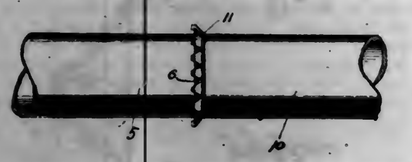
3. A fastener of the class described having a first member and a second member, the first member being provided with a slot and a passage leading therefrom to an edge of the first member, the second member having a neck and a fastening head disposed at an angle thereto, said passage being of less width than the neck to necessitate edgewise passage of the neck therethrough and subsequent turning of the neck in the slot during the process of fastening the members together.

1,487,388. DISK CULTIVATOR. FRANCIS J. JOHNSON, Los Angeles, Calif.; Susie M. Johnson, administratrix of said Francis J. Johnson, deceased, assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Dec. 3, 1918. Serial No. 265,089. 9 Claims. (Cl. 55—83.)



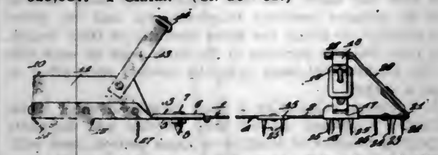
1. A tandem disk harrow adapted to be drawn by a draft device such as a tractor or the like, having a front pair of gangs, a rear pair of gangs, draft connections between the pairs of gangs, and means independent of the draft connections between the gangs for utilizing the draft power to positively shift the inner ends of the gangs of one pair and the inner ends of the gangs of the other pair relatively in opposite directions both into and out of working position.

1,487,389. STOVEPIPE-LOCKING DEVICE. JEFFERSON D. KING, Hendersonville, N. C. Filed Sept. 12, 1922. Serial No. 587,755. 2 Claims. (Cl. 285—186.)



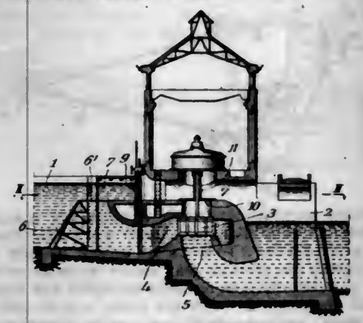
1. A pipe coupling comprising a pair of pipe sections, one section having an annular bead struck out therefrom defining an abrupt shoulder disposed at right angles to the longitudinal axis of the sections and an inclined guide surface leading to the shoulder, and the other section having a plurality of right angularly disposed tongues for engagement with the abrupt shoulder of the bead.

1,487,390. SHOE-SOLE PROTECTOR. JOHN W. KING, Cabarton, Idaho. Filed Mar. 14, 1923. Serial No. 625,037. 1 Claim. (Cl. 36—63.)



A shoe protector comprising a metal sole, a heel encircling strap, a plate carried by the front end of said strap and, provided along its side edges with inturned flanges, another plate hingedly connected with the rear end of said sole and mounted to slide in said flanges, said plates having a plurality of longitudinally spaced registering apertures, fastening elements extending through said apertures to connect the plates in adjusted position, and means for holding the protector in engagement with the foot of the wearer.

1,487,391. HYDRAULIC POWER PLANT. RENÉ KÖCHLIN, Basel, Switzerland, assignor of one-half to the Firm of Locher & Company, Zurich, Switzerland. Filed Mar. 31, 1921. Serial No. 457,448. 5 Claims. (Cl. 61—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



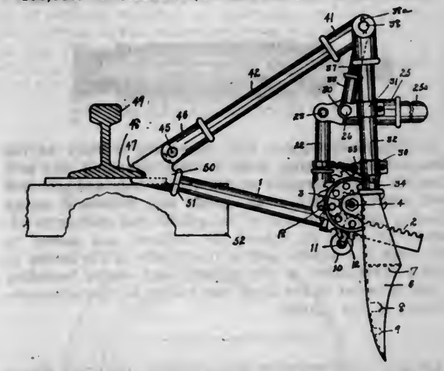
3. A water power plant comprising an upper water canal, a lower water canal, a conduit connecting said canals, a rake for said conduit, a turbine inserted in said conduit, a normally closed branch conduit connecting said canals and passing over the turbine, a sluice gate controlling said branch conduit whereby said branch conduit may be opened at will.

1,487,392. DENTAL IMPRESSION TRAY. PEYTON ALEXANDER LEE, Coushatta, La. Filed Aug. 8, 1923. Serial No. 656,322. 3 Claims. (Cl. 32—6.)



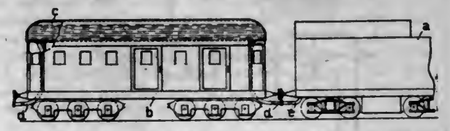
1. A dental impression tray including a pair of endwise adjoining side members of channel form having at their adjoining ends offset shanks in laterally abutting relation and forming a handle for the complete tray, each of said shanks forming a handle for its respective side section when detached, and means to connect the shanks to one another including alining elements consisting of slots across the shank ends, and a lug pivoted in one shank and shiftable into and out of said slots whereby the side sections may be detached and reassembled in the same relation existing before their separation.

1,487,393. TRACK-LINING JACK. CHARLES E. LINDSAY, Albany, N. Y. Filed June 3, 1921. Serial No. 474,663. 4 Claims. (Cl. 254—43.)



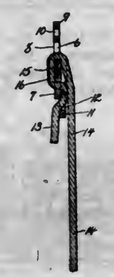
1. In a track lining jack, a head socket having an opening for engaging the base of a rail, a gear rack connected with said head socket, a gear in mesh with said rack, ratchet wheels mounted to turn with said gear, drive pins engaging the teeth of said ratchet wheels, and means for actuating said drive pins, whereby to actuate the several parts for moving a rail.

1,487,394. RAILWAY CAR. RUDOLF LORENZ, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Aug. 9, 1922. Serial No. 580,742. 1 Claim. (Cl. 105—236.)



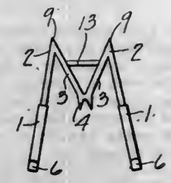
In a railway car having a roof, an auxiliary supply tank for locomotive feed and cooling water disposed directly beneath the roof, and a junction conduit at either end of said car and communicating with said tank, whereby said tank is adapted to be connected to a main locomotive supply line through either of said junction conduits.

1,487,395. SLIDE BUCKLE. JULIUS MALTBY, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,769. 1 Claim. (Cl. 24—194.)



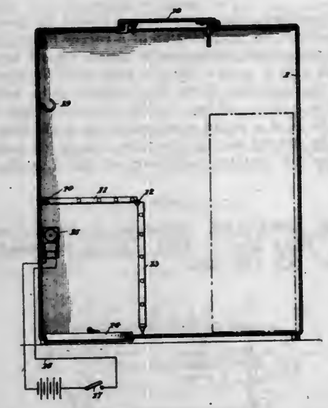
As a new article of manufacture, a slide-buckle comprising a sheet-metal buckle-frame and a sheet-metal slide having sliding movement thereupon, the said frame being formed with the suspension-slot located at its upper end for the reception of the strap by means of which the buckle is fastened to a garment, with a webbing-opening located directly below the said slot, with a gripping-bar forming the lower boundary of the said opening, with side-bars flanking the ends of the said opening and with an anchoring-slot located below the said gripping-bar, and the said slide being narrower than the width of the said opening and bent at its respective ends to loosely embrace the side-bars of the frame, whereby, by passing the end of the strap from rear to front, through the webbing-opening over the upper edge of the said slide, then down in front of the same and from front to rear through the webbing-opening between the lower edge of the slide and the said gripping-bar and then from rear to front through the said anchoring-slot, the tendency of the webbing to slip when tension upon it is entirely or measurably removed, is neutralized.

1,487,396. COLLAR AND TIE SUPPORT. JACK MAYE, Johnson City, N. Y. Filed Dec. 15, 1922. Serial No. 607,075. 1 Claim. (Cl. 2—91.)



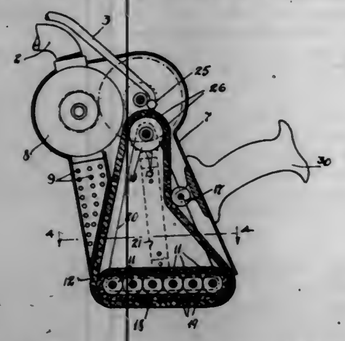
A collar and tie support, comprising an M-shaped structure adapted for insertion within the collar flaps, the lower ends of the outer stems embodying collar engaging means, and the lower juncture of the inner stems embodying means for engaging the collar button, the said outer stems being made sectional and slidingly mounted together.

1,487,397. DEVICE TO PREVENT ROBBERIES. JOHN MITTNACHT, Jr., Cato, Wis. Filed Dec. 13, 1922. Serial No. 606,720. 1 Claim. (Cl. 20—1.01.)



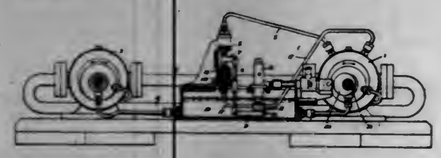
In a bank protecting device, comprising a casing, gun ports formed in the walls of said casing, means for closing said gun ports, a trap door provided in the bottom of said casing, an alarm positioned within the casing and connected to an outside source of current and operated by a switch positioned at a predetermined place within the bank and a folding ladder supported by the inner walls of the casing and so positioned that a guard within the casing may climb to the top of said casing to have an unobstructed view of the interior of the bank.

1,487,398. PORTABLE RUBBING MACHINE. ROBERT A. MOORE, Detroit, Mich. Filed Apr. 11, 1918. Serial No. 228,018. 4 Claims. (Cl. 51—170.)



1. In a portable hand rubbing machine of the character described, the combination of a frame, a belt and a motor for driving the same operatively mounted thereon, said belt being provided with a plurality of normally closed slots adapted to be opened in their travel through the machine and adapted to receive surfacing material therein when opened, and means adapted to feed surfacing material to such slots in said belt.

1,487,399. LIQUID-TRANSMISSION SYSTEM. HARRY C. PHILLIPS, Gloucester, England. Filed June 11, 1923. Serial No. 644,688. 5 Claims. (Cl. 60—53.)



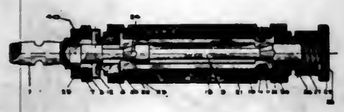
2. In apparatus for transmitting power by means of a liquid medium, the combination of a rotary power unit and a rotary motor unit connected in closed circuit by an outflow main and a return main, a reciprocating piston subject to the pressure from the outflow main and a reciprocating piston subject to the pressure from the return main, and a pump communicating with said return main, said pistons having operative means for controlling said pump for enabling a delivery of liquid to the return main.

1,487,400. ASH PAN. GUSTAVE O. POPE, Cleveland, Ohio. Filed Dec. 1, 1922. Serial No. 604,307. 2 Claims. (Cl. 126—243.)



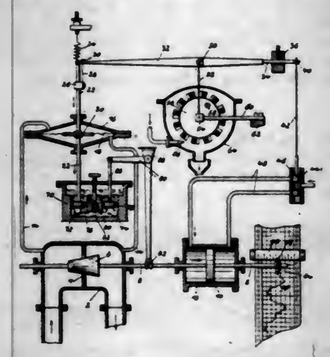
1. In an ash-pan, a hinged door provided at its free end with a latch receiving bracket, a rocker bar at the bottom of said pan terminating at one end in a handle and at the other in a latch member engaging said latch receiving bracket to close the door when moved in one direction, said bracket including means cooperating with said latch member for positively opening the door by a reverse movement of said latch member through said rocker bar.

1,487,401. CYLINDER HONE OR LAPPING TOOL. THEODORE RESTEL, Cleveland, Ohio. Filed May 12, 1923. Serial No. 638,517. 3 Claims. (Cl. 51—206.)



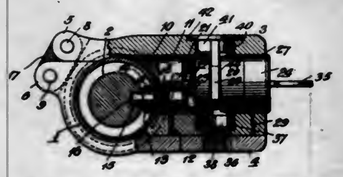
1. A cylinder lapping tool comprising a stock having slots, radially movable stone holders extending into said slots, an axially movable spindle in the body and provided with conical heads bearing against said holders, a spring pressing against the end of the spindle and tending to advance the same to expand the holders, and means to push back the spindle against the tension of the spring to permit contraction of the holders, said means including a cam mounted on the stock and having an operative connection to the spindle.

1,487,402. FLUID-FLOW-MEASURING DEVICE. ERICH ROUCKA, Blansko, Czechoslovakia. Filed Sept. 30, 1922. Serial No. 591,500. 7 Claims. (Cl. 73—167.)



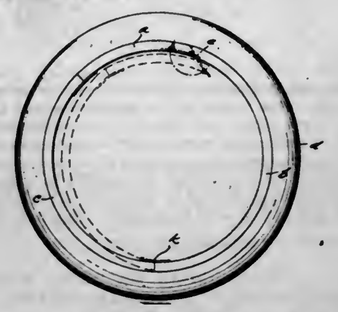
1. A fluid flow measuring device, comprising a fluid flow resisting means, means sensitive to a fluid condition caused by the flow of fluid through said flow resisting means, means to cooperate with said sensitive means to maintain balance in the device, governor mechanism for said second-mentioned means and actuated by said first-mentioned means, and means for producing slight relative motion of the relatively movable slidably cooperating parts of the device independently of the controlling movements to reduce friction therebetween.

1,487,403. MOTOR-VEHICLE LOCK. ERNEST SIEGEL, New York, N. Y., assignor to Auto Kontrol Lock Corporation, a Corporation of New York. Filed May 10, 1922. Serial No. 559,713. 7 Claims. (Cl. 70—90.)



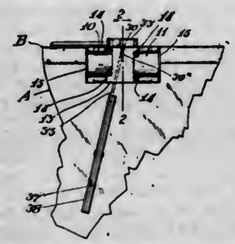
1. A lock for motor vehicles having a steering column housing and a steering rod in said housing, comprising a clamp adapted to embrace and be clamped to said housing, a locking member carried by the clamp and movable through an aperture in the portion of the housing embraced by the clamp into and out of locking engagement with the steering rod, a locking device carried within the clamp and operable from the exterior thereof, a helical cam of resilient material, an interponent rotated by said locking device and mounting said cam in a position to engage and yieldingly stress the locking member in one direction, and a spring device for shifting the locking member in the opposite direction when released by said cam.

1,487,404. DEMOUNTABLE RIM. GEORGE SIFKOVITZ, Pontiac, Mich., assignor to The Quick Change Auto Rim Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 16, 1920. Serial No. 417,339. 4 Claims. (Cl. 301—33.)



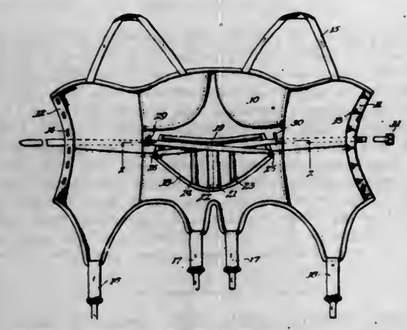
4. A demountable rim split into segments, means for connecting the segments at one end comprising a coupling piece formed with coupling head portions, said coupling piece being seated within sockets in the ends of said rim sections and having beveled edges cooperating with oppositely beveled edges of the walls of the sockets and lying flush with the inner and outer surface of said segments, a resilient member connected to the coupling piece and lying beneath the inner surface of the rim segments, and a link connecting the other end of said sections pivotally connected thereto.

1,487,405. SUCTION MOTOR FOR WINDSHIELD CLEANERS. STEPHEN G. SKINNER, Wilmette, Ill., assignor, by mesne assignments, to The Folberth Auto Specialty Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 24, 1921. Serial No. 509,850. 5 Claims. (Cl. 121—164.)



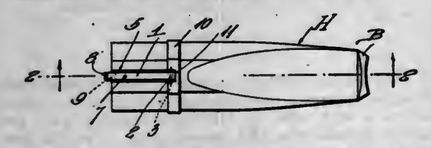
1. A motor of the class described, comprising a housing, a piston structure adapted to reciprocate therein, said piston structure comprising a pair of separated but rigidly connected pistons, an opening in said housing at a point between said pistons, a detachable plate normally closing said opening, a snap-over mechanism mounted on said plate and insertable and removable therewith, said snap-over mechanism comprising slow and fast motion arms, and a spring for actuating the fast motion arm when the slow motion arm passes center in moving from one to the other of the extremities of its movement, a main suction port in said plate, a pair of secondary suction ports in said plate on opposite sides of the primary suction port, means for connecting the primary suction port with a source of suction, passages in said plate communicating with said secondary suction ports, and conduits affording communication between said passages and the interior of the housing at opposite ends of the piston structure, a suction port controlling device carried by the quick motion arm of the snap-over mechanism, said controlling device comprising an end recess which at all times overlies the primary suction port, and which alternately overlies the secondary suction ports as the aforesaid quick motion arm operates, spring means acting between the quick motion arm and the controlling device, and at all times holding the recessed end of the latter in sliding engagement with said plate, and means on the piston structure for operating the slow motion arm of the snap-over mechanism.

1,487,406. COMBINATION GARMENT. WILLIAM H. SOMERS, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,690. 3 Claims. (Cl. 2—73.)



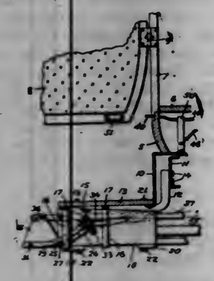
1. An article of the class described comprising in combination a garment of flexible inelastic material adapted to extend continuously around the body of the wearer with two openings through it at approximately the waist line laterally spaced from a central vertical line on opposite sides and means for detachably connecting the vertical edges of said garment, an abdominal supporter secured to the inner face of said garment by a vertical line of stitching centrally of the garment and supporter and flexible straps secured to the outer ends of said supporter adapted to pass around the body of the wearer and out through the openings in said garment and to be detachably connected together under the desired tension.

1,487,407. ATTACHMENT FOR CIGAR HOLDERS. FRANK W. THOMAS, Quincy, Ill. Filed Oct. 3, 1921. Serial No. 504,854. 3 Claims. (Cl. 131—10.)



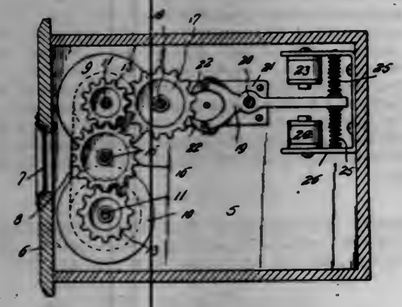
2. The combination with a cigar holder having a cigar receiving socket and a hole extending therethrough and communicating with said socket; of a lever pivotally mounted on the outer face of the holder, the outer end of said lever projecting beyond the adjacent end of the holder and being bent upon itself to provide a curl designed to snap over the adjacent edge of the holder to retain the lever in operative position, and a pointed projection carried by said lever and extending through said opening into said socket to engage the cigar.

1,487,408. COMBINED TOOL BOX AND STEP FOR MOTOR VEHICLES. FREDERICK TICHY, Astoria, and FREDERICK H. WAPPLER, Elmhurst, N. Y., assignors to Wappler Electric Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,830. 8 Claims. (Cl. 280—166.)



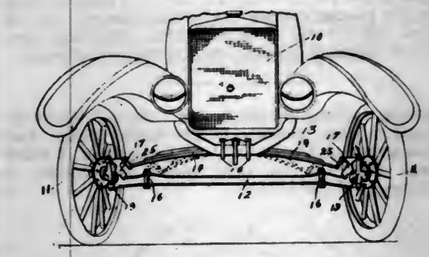
1. In a device of the character described the combination, with a vehicle body provided with a running board and with a door so mounted as to permit of being opened and closed, of supporting members carried by said vehicle body and located underneath the running board, a tool box mounted upon said supporting members and located below said running board, a step supported by said running board and disposed adjacent said tool box, said step being mounted to move and having two normal positions, in one of which the step serves as a barrier to prevent access to the tool box, and connections from said step to said door for enabling movement of the door to shift the step from one of said normal positions to the other.

1,487,409. STATION INDICATOR. JOSEPH W. WALLIN, Beloit, Wis. Filed July 11, 1923. Serial No. 650,778. 3 Claims. (Cl. 40—55.)



1. In a station indicator, a pair of superimposed reels having the ends of a web attached thereto, gears in fixed relation to said reels, an idler gear meshing with and disposed between the first named gears, a fourth gear meshing with the upper reel gear and disposed rearwardly thereof, a lever pivoted between its ends rearwardly of the fourth gear and having a bifurcated forward end provided with oppositely acting spring-pressed pivoted pawls operatively related with the teeth of the fourth gear whereby movement of the lever in one direction will effect travel of the web in one direction and movement of the lever in an opposite direction will cause a reverse movement of the web, and means associated with the rear end of the lever for effecting its movement.

1,487,410. BRACKET FOR VEHICLE SPRINGS. EDGAR I. WASHBURN, Worthington, Ohio. Filed Sept. 8, 1921. Serial No. 499,323. 5 Claims. (Cl. 267—54.)



1. The combination with a front axle of a vehicle provided with yokes formed on its extremities and a spring secured to the vehicle, of brackets, each bracket surrounding one of said yokes, lips formed on said brackets, lugs formed on the lower ends of said brackets for engaging said axle, means for causing said bracket to engage said yoke and bearings formed in said brackets whereby the ends of said spring may be pivotally suspended thereon.

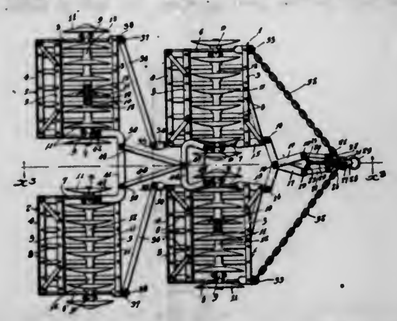
1,487,411. RING-NOTCHING MACHINE. ROBERT B. WASSON, Cranford, N. J. Filed Aug. 13, 1921. Serial No. 492,014. 17 Claims. (Cl. 82—2.)

1. A machine for circumferentially notching piston rings, comprising a rotary head, a die thereon having an internal seat adapted to receive and engage the outer circumference of the ring, multiple jaw mechanism cooperative with the inner circumference and outer face of the ring, and a cutting tool operative upon the periphery of the ring.

10. The combination with means for holding and rotating a piston ring, of a tool-holder, a tool thereon adapted to cut a circumferential notch in the ring, a spring-pressed yielding blade-holder movable on the tool-holder, and a flexible blade on the blade-holder to bear upon the periphery of the ring at the region of cutting.

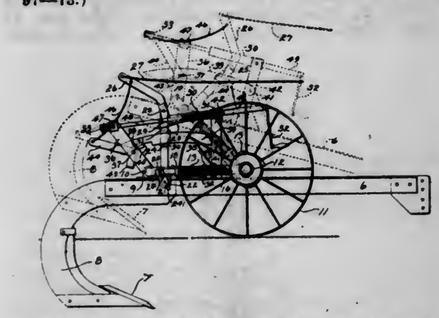
1,487,412. CULTIVATOR. DANIEL M. WATTERS, Los Angeles, Calif., assignor to Killefer Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed June 9, 1919. Serial No. 302,639. 15 Claims. (Cl. 55—83.)

1. A cultivator comprising a front pair of frames, a rear pair of frames, cultivator members carried by each of the frames, a yoke pivoted at its ends to the inner ends of the front frames respectively, a second yoke pivoted at its ends to the inner ends of the rear frames respectively, means pivotally connecting the yokes to each other, means to change the relative positions of



the front frames, and means operative by change of relative positions of the front frames to move the outer ends of the rear frames.

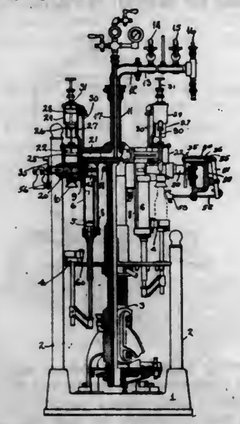
1,487,413. POWER LIFT FOR GROUNDWORKING IMPLEMENTS. DANIEL M. WATTERS, Los Angeles, Calif., assignor to The Killefer Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed June 14, 1922. Serial No. 568,204. 9 Claims. (Cl. 97—73.)



1. In an implement, the combination of a frame, a crank axle supporting the frame, ground wheels journaled on the axle, ground-working tols supported by the frame, a ratchet wheel operated by one of the ground wheels, an arm mounted on the crank axle, a link having a shoulder, a standard rigid with the frame to which said link is pivoted, means cooperating with the shoulder of the link to hold the arm with the crank axle turned to a predetermined position, means to release the arm at will, means associated with the crank axle for connecting the crank axle at will with the ratchet wheel and having a shoulder, and an abutment on the frame adapted to engage the shoulder when the crank axle is turned to said predetermined position to retract the last named means.

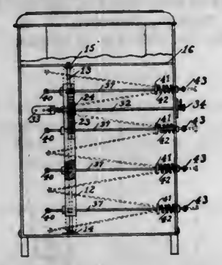
1,487,414. FILLING MACHINE. EDWARD H. WEATHERHEAD, Cleveland, Ohio, assignor to The Bishop-Babcock-Becker Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1916. Serial No. 125,376. 8 Claims. (Cl. 226—97.)

1. In a syruping machine, the combination of a plurality of radially arranged horizontally disposed rotatable filling arms, each arm being a single member and being provided with separate passages for syrup and syrup discharging fluid pressure, a centrally disposed syrup supply conduit connecting with such syrup supply passages in said arms, a fluid pressure supply conduit disposed centrally within said syrup supply conduit, and connecting with such fluid pressure passages in said arms, a plurality of syrup supply reservoirs connected to said



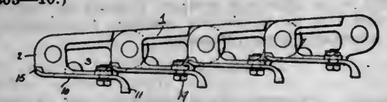
syrup supply conduit, and means for effecting disconnection of each of said syrup supply reservoirs from said syrup supply conduit.

1,487,415. FILING CABINET. JOHN WEISBARTH, Mansfield, Ohio. Filed Mar. 28, 1922. Serial No. 547,363. 7 Claims. (Cl. 211—16.)



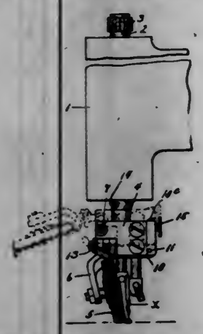
6. In a cabinet, a vertically movable frame, a plurality of vertically disposed movable shelves which are adapted to be ejected on a horizontal plane therefrom, a plurality of ejector means mounted on said cabinet which are connected to said vertically movable frame and movable thereby so as to be brought in contact with predetermined shelves, an indicator, means associated with the indicator which is adapted to impart movement to the vertically movable frame, whereby said ejector means are so positioned that a selected shelf can be ejected from its normal position as indicated by the operator of the indicator, as described.

1,487,416. TRACTION ELEMENT FOR TRACTORS. FRED B. WHITLOCK, Cleveland Heights, Ohio. Filed Oct. 1, 1921. Serial No. 504,540. 3 Claims. (Cl. 305—10.)



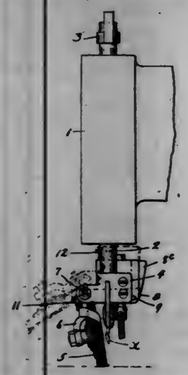
1. In a device of the character described, the combination of a link member provided with an engaging plate thereon, and a traction shoe provided with spaced engaging surfaces angularly related to each other to form a wedge slot adapted to removably engage over said plate on said link.

1,487,417. PRESSER-FOOT-CONTROLLING DEVICE. FRANK F. WITKUS, Newport, N. H. Filed Aug. 11, 1922. Serial No. 581,118. 4 Claims. (Cl. 112—240.)



1. In a sewing machine, a presser bar movable vertically between predetermined limits and having a presser-foot at its lower end, means permitting lateral movement of said foot relatively to said bar between a normal position and an inoperative position at one side of said normal position, means normally acting to retain the foot in said normal position, and means for automatically moving the foot to said inoperative position when the bar is raised to a predetermined extent.

1,487,418. PRESSER-FOOT-CONTROLLING DEVICE. FRANK F. WITKUS, Newport, N. H. Filed Aug. 11, 1922. Serial No. 581,119. 5 Claims. (Cl. 112—240.)



1. In a sewing machine having a presser bar movable vertically between predetermined limits and having a presser foot at its lower end, means permitting lateral movement of said foot, relatively to the bar, between its normal position and an inoperative position at one side of said normal position, means constantly actuated to move said foot from its inoperative to its normal position and means arranged to be actuated by movement of the bar to its uppermost position, to move the foot from its normal to its inoperative position, in opposition to said constantly actuated means.

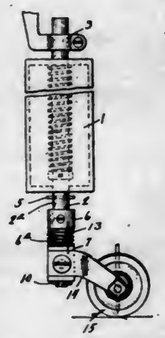
1,487,419. PRESSER-FOOT-CONTROLLING DEVICE. FRANK F. WITKUS, Newport, N. H. Filed Aug. 11, 1922. Serial No. 581,120. 5 Claims. (Cl. 112—240.)

1. In a sewing machine having a vertically movable presser bar, a presser-foot-carrying arm at the lower end of said bar, means for locking said arm against movement relatively to said bar when the arm is in normal position and the bar is lowered, means for automatically unlocking said arm, and swinging the same away from its said normal position when the bar is raised to a



predetermined extent and means for automatically returning the arm to normal position when the bar is lowered.

1,487,420. PRESSER-FOOT-CONTROLLING DEVICE. FRANK F. WITKUS, Newport, N. H. Filed Aug. 11, 1922. Serial No. 581,121. 4 Claims. (Cl. 112—240.)

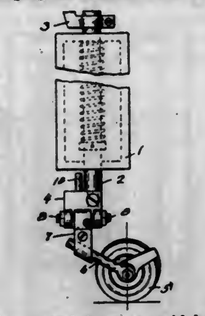


1. In a sewing machine having a vertically movable presser bar, a presser-foot-carrying arm at the lower end of said bar arranged to swing horizontally about the same, a spring normally tending to swing said arm from an operative to an inoperative position, locking means for holding said arm in its operative position, an operating device carried by said bar and arranged for movement longitudinally thereof, to release said locking means, a spring for normally sustaining said device in its uppermost position, and means on said device to hold the same stationary as the bar is lifted whereby said locking means may be released.

1,487,421. PRESSER-FOOT-CONTROLLING DEVICE. FRANK F. WITKUS, Newport, N. H. Filed June 2, 1923. Serial No. 642,977. 5 Claims. (Cl. 112—240.)

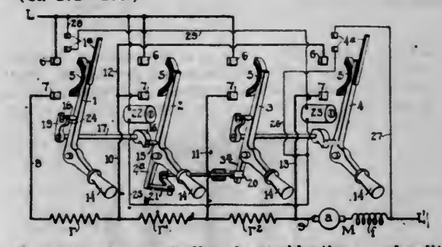
1. In a machine of the character described, a vertically movable support, a presser-foot-carrying arm pivotally mounted on said support and arranged to be swung upwardly to carry the foot from its normal to a laterally

removed position, a locking lever arranged to lock said arm against swinging movement when in normal posi-



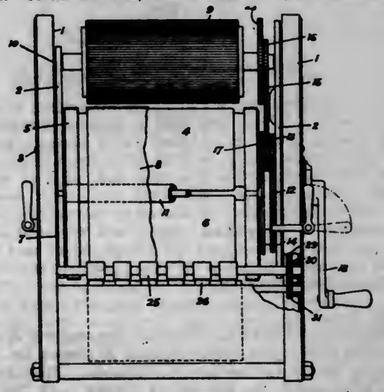
tion, and means arranged to move said lever, when said support is lifted, to unlock said arm and swing the same upwardly.

1,487,422. MOTOR CONTROLLER. CHARLES W. YERGER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 23, 1919. Serial No. 305,965. 14 Claims. (Cl. 172—179.)



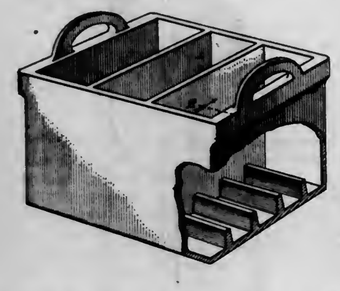
2. In a motor controller, in combination, a plurality of manually operable switches to be operated in a definite sequence including opening of certain of said switches following closure of other of said switches and subsequent reclosure of said certain of said switches, and interlocking means for said switches for preventing operation thereof except in said definite sequence.

1,487,423. DUPLICATING APPARATUS. ROBERT CHARLES ADAMS, Lincoln, England. Filed July 3, 1922. Serial No. 572,577. 7 Claims. (Cl. 101—116.)



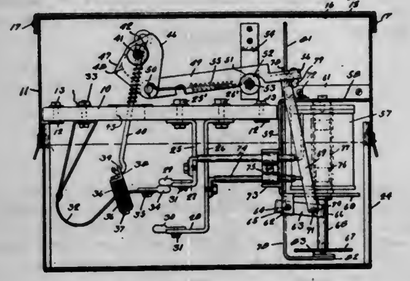
1. Duplicating apparatus comprising, a stationary support, a drum carrier rotatably mounted in said support, a middle drum rotatably mounted on the drum carrier axle, a series of printing drums radially centered about the middle drum and rotatably mounted in the carrier, and inking rollers bearing between the middle drum and the outer printing drums, and an impression roller with which said printing drums selectively engage.

1,487,424. CONTAINER. JOHN M. AHLGREN, Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill., a Corporation of Illinois. Original application filed Apr. 28, 1922, Serial No. 557,131. Divided and this application filed Mar. 24, 1923. Serial No. 627,424. 2 Claims. (Cl. 206—2.)



1. A container formed as a one piece box-like structure presenting a continuous upper edge, one wall of said container being thickened to form a reinforcing rib, and a handle member rising from the top of said wall in such a position as to leave an unobstructed shoulder on the inner side of said handle.

1,487,425. ELECTRIC SWITCH. CHESTER D. AINSWORTH, Wollaston, Mass., assignor to Sears B. Condit, Jr., Boston, Mass. Filed Aug. 2, 1918. Serial No. 247,932. 11 Claims. (Cl. 200—106.)

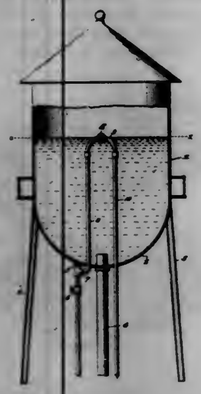


8. In an electric switch, an enclosing casing, switch mechanism disposed therein, an operating shaft extending through said casing, an operating handle secured thereto, a cover partially enclosing said handle and forming a bearing support for said shaft, and integrally formed lugs on said cover arranged to limit the movement of said handle.

9. In an electric switch, the combination of stationary and movable switch members, operating mechanism including means normally tending to open the switch and means to lock the switch in closed position, and switch-tripping means comprising a spring adapted to be stressed into switch-tripping condition by a movement of the switch to closed position, means to lock the tripping means in such condition, said operating and tripping mechanism arranged to admit of manual movement of the switch from closed position independent of the

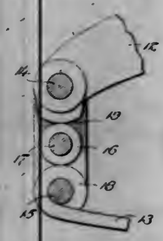
tripping mechanism, and electrically controlled means to release the lock on the spring to admit of its forcible release of the lock on the switch to cause the switch to open.

1,487,426. TANK. SEARLE E. ANDREWS, Washington, D. C. Filed Dec. 7, 1922. Serial No. 605,444. 6 Claims. (Cl. 137—21.)



1. A storage tank for combined sprinkler system and building supply having a capacity in excess of a normal reserve supply of liquid for the sprinkler system, a main discharge connected near the bottom of the tank to supply the sprinkler system, and an auxiliary discharge to supply the building communicating with the tank near the bottom thereof, said auxiliary discharge including means to prevent the operation thereof when the level of the contents of the tank falls to that of the normal reserve supply.

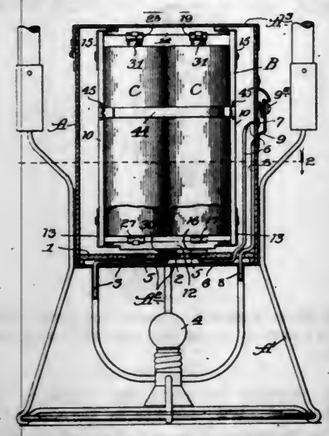
1,487,427. SPRING SHACKLE. DORSEY F. ASBURY, Washington, D. C. Filed Feb. 9, 1922. Serial No. 535,309. 10 Claims. (Cl. 267—54.)



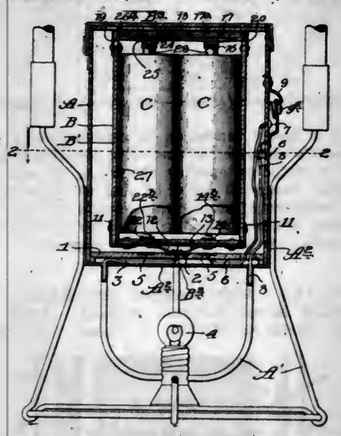
1. The combination with a frame, a supporting spring associated therewith, and a shackle having relatively spaced pivotal connections with the frame and spring, respectively, of an inherently rigid member interposed between the spring and frame acting to transmit the supporting force of the spring to the frame, and to relieve the shackle and said pivotal connections of said supporting force.

1,487,428. BATTERY. WILLIAM BALDERSTON, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1921. Serial No. 491,268. 6 Claims. (Cl. 204—53.)

1. In combination, a cell-holder equipped with outlet contacts adapted to engage companion contacts of and become automatically connected with an external circuit and equipped also with top and bottom cell-contacts, some of which are electrically connected with said first-named contacts, and dry cells mounted in said holder, said dry cells being automatically established in circuit with the cell-contacts by insertion of the cells.



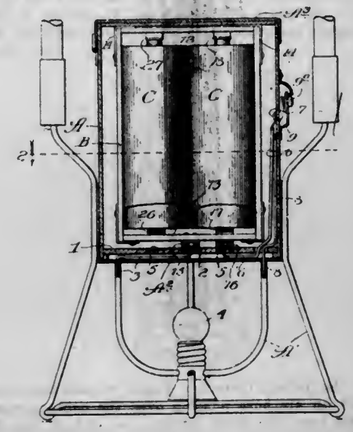
1,487,429. BATTERY. WILLIAM BALDERSTON, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1921. Serial No. 491,269. 4 Claims. (Cl. 204—53.)



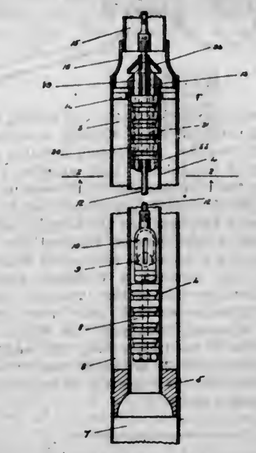
1. In combination, a cell-holder comprising a peripheral wall, a bottom wall and a slidably withdrawable top closure, a pair of external outlet contacts mounted on said bottom wall, pairs of cell-contacts mounted on the inner surface of said bottom wall, pairs of cell-contacts carried by said closure, the members of each pair of cell-contacts being in alinement in the direction of movement of the sliding closure, and electrical connections whereby, when cells are introduced in said holder and the closure moved to the closed position, the cells are automatically established in circuit.

1,487,430. BATTERY. WILLIAM BALDERSTON, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Aug. 11, 1921. Serial No. 491,415. 4 Claims. (Cl. 204—53.)

1. In combination, a cell-holder comprising side walls, a back wall, and end walls fixedly joined together, said structure being open at its front side to admit cells one of the end walls being equipped with external outlet contacts, pairs of lower cell-contacts mounted on the inner surface of the bottom wall, the members of each pair being aligned from front to rear of the cell-holder, pairs of upper cell-contacts secured to the inner surface of the upper end wall of the cell-holder, the members being disposed, respectively, above the members of the pairs of lower contacts, and electric connections whereby dry cells introduced into said holder are automatically established in circuit.

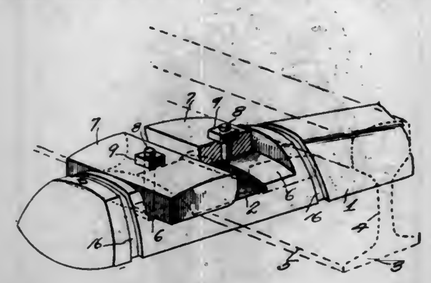


1,487,431. OIL-WELL PUMP. TOM J. BARGER, Oilton, Okla. Filed Dec. 5, 1922. Serial No. 605,055. 3 Claims. (Cl. 103—119.)



1. The combination, with a pump plunger provided with a pump rod, and a pump barrel provided at its upper end with a guide in which the pump rod is slidable; of a sand trap secured around the pump barrel, and a sand deflector provided with a conical upper surface and having a hole in which the pump rod is slidable, said sand deflector being normally supported by the said guide and free to rise with the liquid at each upstroke and operating to guide the sand into the sand trap at each downstroke.

1,487,432. RAIL-SECURING MEANS. JOSEPH S. BEAN, Mill Village, N. H. Filed Feb. 15, 1923. Serial No. 619,160. 1 Claim. (Cl. 238—30.)



A railroad tie comprising an elongated body member formed from metal, the upper and under sides of the tie being convexed, means for securing a rail to the tie, wheel receiving grooves in the tie and extending transversely of the same at opposite sides of the rail securing means and apertures in the ends of the tie through which vertically disposed rods may be driven for anchoring the tie against longitudinal movement in the road bed.

1,487,433. MEMORANDUM CASE. FREDERICK W. BECKERT, New Haven, Conn. Filed Nov. 15, 1922. Serial No. 601,058. 2 Claims. (Cl. 206—1.)

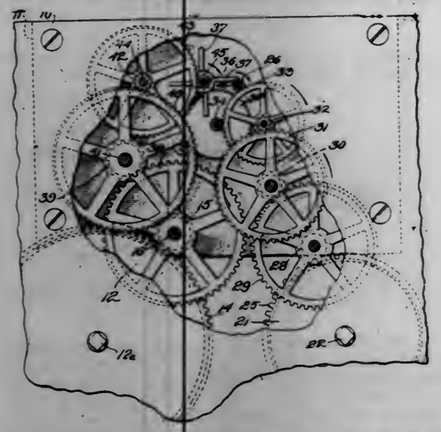


1. In a box-like, sheet-metal memorandum case, the combination with a case-body having a back, side-walls and bottom, but open at the top and front, of a case-cover comprising a front, side-walls and top but open at the back and bottom, means for pivotally connecting the said cover and case to permit their limited longitudinal movement, and a locking-tongue and locking-lip formed upon the said parts and co-acting to hold the case-body and case-cover in their closed positions.

1,487,434. INTERMITTENTLY-OPERATED ACTUATING MECHANISM. FREDERICK W. BOLD, Chelsea, Mass., assignor to Boston Clock Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1921. Serial No. 526,438. 6 Claims. (Cl. 58—116.)

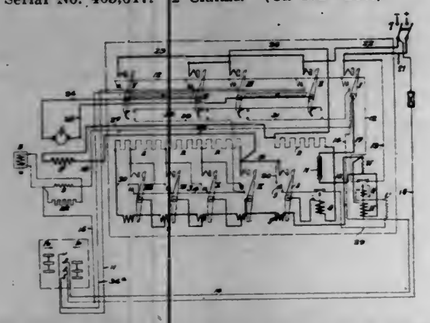
1. An intermittently operated actuating mechanism comprising a time movement; a power train having power-transmitting means independent of the time movement; and a power let-off including a continuously driven smooth surfaced arbor, constituting a member of the time movement, and a member movable by the power train in a plane substantially at right angles with the axis of said arbor, and pressed against the perimeter of the latter,

the said arbor and member being formed to have a limited, practically antifrictional contact with each other, so that



the pressure of the said member against the arbor does not appreciably retard the time movement, said arbor being formed to alternately arrest and release said member.

1,487,435. CONTROL DEVICE FOR ELECTRICALLY-DRIVEN LIFTS, CRANES, WINCHES, AND LIKE APPARATUS FOR DEALING WITH VARIABLE LOADS. VICTOR BREEZE, Brighton, England. Filed Aug. 24, 1920. Serial No. 405,647. 2 Claims. (Cl. 172—288.)



1. In combination, an electric motor having a series field provided with a diverter resistance, an electro-magnetic overload relay switch, an electro-magnetic series field lockout switch having a closing coil, and associated leads whereby the diverting resistance is shunted across the series field coil of the motor when the lockout switch is closed, the coil of the overload relay switch being in series with the lockout switch and when the current therethrough exceeds a certain limit operates to open the circuit through the closing coil of the lockout switch to cut out the diverter resistance.

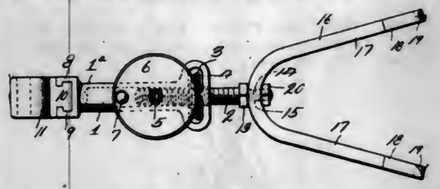
1,487,436. AIR-HOSE PROTECTOR. ANDREW J. BROOKS, St. Joseph, Mo., assignor, by mesne assignments, to Standard Oil Company, Indiana, Chicago, Ill., a Corporation of Indiana. Filed Mar. 30, 1921. Serial No. 456,919. 4 Claims. (Cl. 299—77.)

1. A device of the character described, comprising a housing having an opening therein, a tubular standard within the housing, a weight slidable within the standard, a cable connected at one end to the weight, a pulley block connected to the other end of the cable, a pulley in said block, a pulley block fixedly mounted adjacent the top of the standard, a pulley in said fixedly secured block, over which the cable passes, a pulley block fixed to the stand-



ard near the bottom thereof, a pulley in said last named block, and an air hose passing over the cable-connected pulley and over the fixed pulley, one end of the hose projecting through the opening in the housing.

1,487,437. COMBINED VEHICLE JACK AND TIRE TOOL. LOUIS J. BRUNE, Sr., Algiers, La. Filed May 24, 1923. Serial No. 641,167. 3 Claims. (Cl. 254—100.)

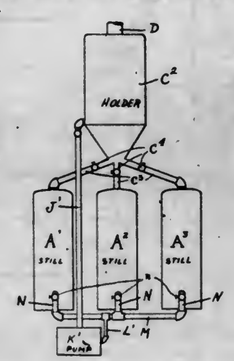


2. A rim expander and contractor comprising a tubular body member, a threaded shaft slidably mounted within the tubular body member, a rotatable bevelled gear carried by one side of the tubular body member, a bevelled gear threaded on the threaded shaft and meshing with the first mentioned bevelled gear, a yoke carried by one end of the body member and in which the bevelled gear on the shaft is disposed, a transversely disposed rim carrying hook member having a dove-tail connection with one end of the tubular body member, a U-shaped member disposed on a reduced portion of the threaded shaft, arms carried by the U-shaped member, said arms terminating in transversely disposed members, rim engaging hooks carried by the ends of the transversely disposed members, the transverse portion of the U-shaped member being provided with a recess for the reception of the reduced portion of the threaded shaft.

1,487,438. METHOD AND APPARATUS FOR REFINING HYDROCARBONS. CHARLES R. BURKE, Tulsa, Okla., assignor to Louise P. Burke, Tulsa, Okla. Filed Jan. 20, 1922. Serial No. 530,604. 9 Claims. (Cl. 196—25.)

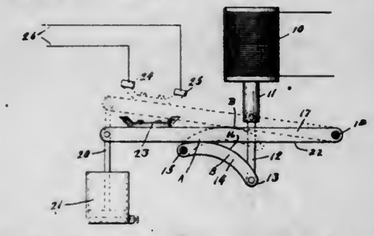
1. In the art of treating hydrocarbon oils, the method which consists in maintaining a body of hydrocarbon liquid in a holder, vaporizing and cracking hydrocarbon oil in a plurality of stills, conducting vapor from the stills through constricted passage ways and discharging it into said hydrocarbon oil in the holder at a point below the surface of the oil therein, permitting the hot vapors

to rise freely in the oil in said holder, thereby heating the last mentioned oil and at the same time condensing high boiling point fractions of the vapor, conducting vapor from the surface of the oil in the holder to a condenser, permitting the heated condensate to flow from the holder into the stills through said constricted passage ways, and leading a portion of the condensate from the holder to any of the stills without conveying the same through said passage ways.



2. In an apparatus for refining hydrocarbons, a plurality of stills, a holder, a narrow passage way connecting each still to the holder and adapted to convey vapor from the still with which it is associated to the holder and to permit condensate from the holder to return to the still, a condenser operatively connected with said holder, and conveying means for conducting a portion of the condensate from the holder to any of the stills without passing the same through said passage ways.

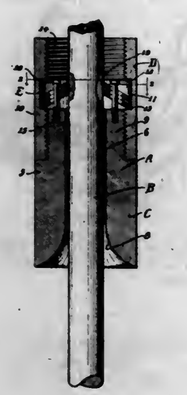
1,487,439. TIME-LIMIT DEVICE. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, jr., Brookline, Mass. Filed Nov. 22, 1918. Serial No. 263,775. 2 Claims. (Cl. 200—96.)



2. A time limit device comprising a solenoid, a movable member controlled thereby, a lever movable by said movable member having a cam surface, a retardation element, a movable member controlled thereby, a lever having a cam surface associated with said movable member, the cam surfaces of said levers contacting for the transmission of a movement of the movable member of said solenoid to the member of the retardation device, and said cam surfaces providing the solenoid an initially great advantage over the retardation element and a subsequent lesser advantage during the operation of the device.

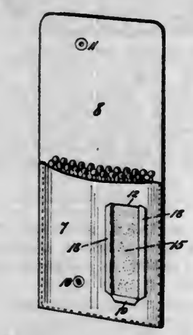
1,487,440. FISHING TOOL. ALDEN J. BUTTS, Eaton Rapids, Mich. Filed Apr. 17, 1922. Serial No. 553,311. 4 Claims. (Cl. 254—114.)

1. A fishing tool comprising a lower guide section having a longitudinally extending bore for receiving the device to be recovered, an upper gripping section carried by the guiding section and having a chamber intermediate its length, the chamber being open at its upper end, dogs disposed within the chamber of the gripping section for engaging the device to be recovered, and guide means for



said dogs carried by the upper end of the guide section and extending into said chamber and engaging said dogs, said guide means being insertable and removable through the open upper end of the chamber.

1,487,441. POCKET MATCH POUCH. DAVID E. BURNETT and AUGUST J. KEMMEL, Cincinnati, Ohio. Filed Mar. 12, 1923. Serial No. 624,458. 2 Claims. (Cl. 150—34.)

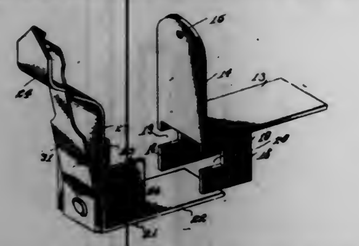


1. A pocket match-pouch comprising a flap-inclosed pocket-member, a metal holder-frame having vertical guide-ways and a lower seating-cavity, a scratch-filler removably-inserted in the said guide-ways of the holder-frame and held from gravitating therethrough by said seating-cavity, and fastening-flaps on the side and lower edges of the holder-frame to secure the device in place in an elongated opening made in the inner-member of the pocket-member.

1,487,442. YARN-SPOOL BEARING. EUGENE F. CLARK, Leaksville, N. C. Filed May 16, 1923. Serial No. 639,435. 4 Claims. (Cl. 139—10.)

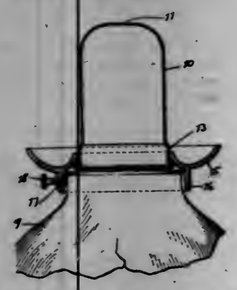
1. A tuft yarn carrier for a loom including a hollow beam, a spool supporting means engaged in an end of the beam, chain engaging means engaged within the beam engaging portion of the spool supporting means, the beam received portion of the spool means having

openings and slots, the beam received portion of the chain means having openings alining with said slots, fastening devices disposed through the beam and the



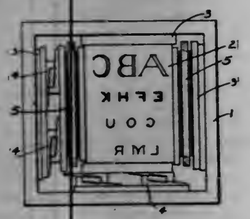
openings of the spool means, and fastening devices disposed through the beam, the said slots, and the openings of the chain means.

1,487,443. LIGHTING FIXTURE. ABRAHAM COOPER, Brooklyn, N. Y. Filed Mar. 17, 1923. Serial No. 625,845. 4 Claims. (Cl. 240—132.)



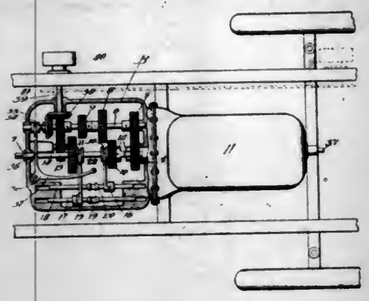
1. In a lighting fixture, a socket shell, a collar carried by the said socket shell in either one of two reversible positions, and means associated with the collar and adapted to support a lamp shade when the collar is in one of its reversible positions, the socket shell being adapted to receive a ball bulb when the collar is associated therewith in its other reversible position.

1,487,444. ROLLER BEARER FOR PRINTING PRESSES. DANIEL J. DEEGAN, Springfield, Ohio. Filed Feb. 6, 1923. Serial No. 617,306. 3 Claims. (Cl. 101—359.)



1. In a printing press, the combination with a chase, of type arranged therein, a roller movable over said type to ink the same, feed grippers in said press, and depressible roller bearers adjustably mounted in said chase for engagement by said grippers, said bearers being normally flush with the face of the type to permit the roller to travel over them without smudging the type during the inking operation, and adapted to be depressed below the face of the latter by the feed grippers during the printing operation.

1,487,445. POWER-TAKE-OFF MECHANISM FOR MOTOR VEHICLES. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill., a Corporation of Virginia. Filed Oct. 24, 1919. Serial No. 333,064. 15 Claims. (Cl. 74—58.)



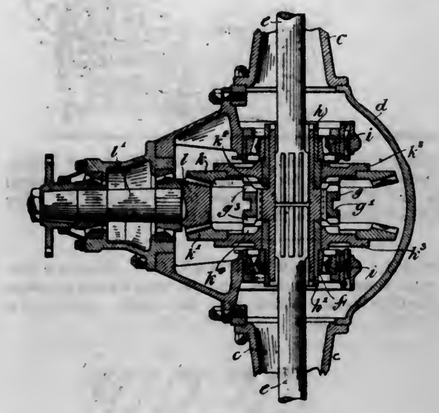
1. In a power-take-off mechanism for motor vehicles, the combination of a motor, a main transmission shaft, a counter-shaft, gears on the respective shafts adapted to establish varying speed ratios, a gear shift lever movable to different positions to vary the speed ratios, connections for varying the gear ratios by movements of the lever, a power-take-off shaft, and means for entraining the power-take-off shaft by movements of the gear shift lever to its positions for varying the gear ratios of the transmission.

1,487,446. TWISTING MACHINE. HENRY DOHERTY, Jr., Clifton, N. J., assignor to Henry Doherty Silk Company, Clifton, N. J., a Corporation of New Jersey. Filed July 18, 1923. Serial No. 652,240. 7 Claims. (Cl. 117—21.)



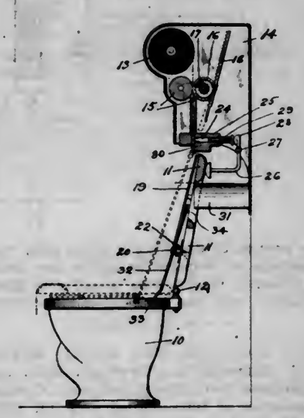
1. In a twisting machine, yarn feeding and guiding means including a rotated feeding roller and a fixed structure located radially outward of the roller and around which and the roller the yarn extends and including a guiding member for the yarn, said structure including a fixed yarn-disrupting ridge extending generally lengthwise of the axis of the roller.

1,487,447. FINAL DRIVE FOR RAILWAY MOTOR CARS. CHARLES F. DRUMM, Jr., New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of New York. Filed Sept. 1, 1921. Serial No. 497,753. 1 Claim. (Cl. 74—59.)



In a final drive for railway motor cars, a motor vehicle construction comprising, in combination, a dead axle forming a housing and supporting the car body, live axle sections on each of which a wheel is mounted, a sleeve keyed to the proximate ends of the live axle sections to connect them to rotate together, bushings rigidly secured to the sleeve, bearings on said bushings, complementary bearings carried with the dead axle, a pair of opposed bevel gears journaled on the bushings, a propeller shaft journaled on the dead axle, a bevel pinion on the end of the propeller shaft and in constant mesh with the opposed bevel gears, a clutch element slidable on the sleeve, co-operating clutch elements on the opposed bevel gears and means to cause the slidable clutch element to selectively engage one of said co-operating clutch elements.

1,487,448. TOILET-SEAT PROTECTOR. JESSE S. DUARTE, Providence, R. I. Filed May 25, 1923. Serial No. 641,412. 5 Claims. (Cl. 4—247.)

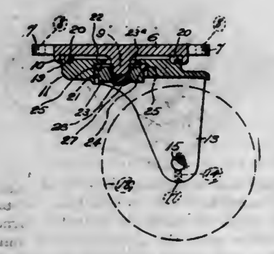


1. The combination with a hinged toilet seat, of means for feeding and cutting a protecting strip of paper and folding it over the front edge of the seat by the moving of the seat from normal to raised position.

1,487,449. EXTRACTION OF FATS AND OILS. CLARENCE FORD EDDY, Waverly, Mass., assignor to Cocoa Products Company of America Incorporated, a Corporation of Delaware. Filed Oct. 8, 1921. Serial No. 506,352. 10 Claims. (Cl. 87—6.)

1. The method of extracting fats, oils and the like from finely divided solid material, which comprises suspending the material in a solvent for the fat or oil until extraction is accomplished and thereafter adding an aqueous precipitating agent to the mixture of solid material and solvent in quantity sufficient only to be absorbed by the solid material whereby the extracted solid material settles readily in the solvent without the formation of a separate liquid phase.

1,487,450. TRUCK CASTER. ROBERT A. ENDEBROCK, Cincinnati, Ohio. Filed July 5, 1923. Serial No. 649,698. 3 Claims. (Cl. 16—21.)

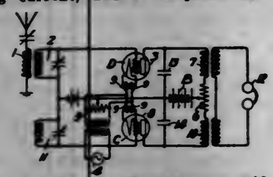


1. A wheel-caster for trucks and the like comprising an upper attaching-member having a plane lower face with a downwardly rimmed or flanged edge, a downwardly-disposed shank or stud projecting from the center of said lower face of the attaching-member and having a threaded lower end, a lower plane-faced carrier-member having an inwardly-flanged central orifice adapted to freely and concentrically accommodate the said shank, a circular ball-race in the upper plane-face of the carrier-member near its outer edge and provided with balls adapted to bear free to roll or turn against the said plane lower face of the attaching-member, a pair of hangers or bracket-bearings extending from the bottom of the said lower carrier-member duly spaced apart and adapted to receive between them the supporting-roller of the caster that is mounted on a transverse shaft or pin that in turn rests in alined holes in the lower ends of the said hangers, a lock-ring having a central threaded opening adapted to engage with the lower threaded end of said shank for interlocking the said upper and lower members of the caster in due relation free to permit the lower member to swivel on the upper member, a circular race-way constructed along the upper periphery of the lock-ring and provided with balls adapted to bear free to roll or turn in the central orifice of the lower carrier-member beneath the inwardly-disposed flange at the upper end thereof, and a removable screw-plug inserted in the lower portion of the threaded opening of the lock-ring for setting and locking the said shank and ring in adjusted as well as locked position, substantially as shown and described.

1,487,451. CIRCUITS FOR ELECTRIC DISCHARGE DEVICES. JOHN F. FARRINGTON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,704. 22 Claims. (Cl. 250—20.)

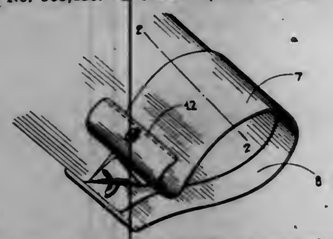
5. In a receiving circuit for high frequency waves, a thermionic detector for said waves, a receiving indica-

tor, said detector having a cathode adapted to be heated by alternating current, and a compensating discharge



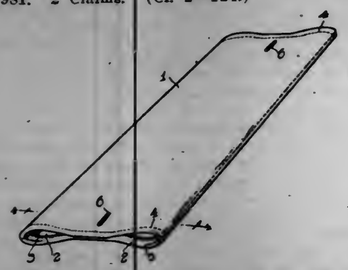
device for compensating for the effect on said indicator of said alternating heating current.

1,487,452. CUFF CONSTRUCTION. ALBERT A. FOURNIER, Ottawa, Ontario, Canada. Filed June 15, 1922. Serial No. 568,430. 1 Claim. (Cl. 2—124.)



As an improved completed article of manufacture, a soft cuff comprising two thicknesses of material the longitudinal edges of which are united to form a flattened tubular member with the sole points of union at such edges of the two pieces disposed at opposite wearing edges of the cuff and entirely concealed within the cuff, whereby the opposite outer faces of the cuff are disconnected from each other adjacent said edges to form a rolled edge, the opposite faces of the cuff at the ends being provided with button holes.

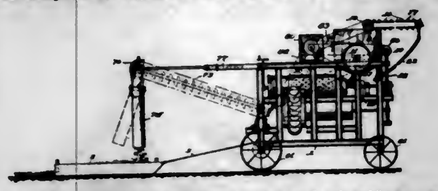
1,487,453. SOFT CUFF. ALBERT A. FOURNIER, Ottawa, Ontario, Canada. Filed Dec. 15, 1923. Serial No. 680,981. 2 Claims. (Cl. 2—124.)



1. A soft cuff formed of two pieces of fabric of substantially equal width, the longitudinal edges of which are stitched together to form a flattened tubular member with the seams at the opposite wearing edges of the cuff and the stitches concealed within the cuff leaving the exposed outer faces adjacent the edges of the cuff free from rolling movement, opposite faces of the cuff at the ends being provided with button holes and stitches connecting said opposite faces to limit the rolling of the edges.

1,487,454. ROAD-BUILDING MACHINE. LINZIE A. GARDINER, Dry Ridge, Ky. Filed Mar. 3, 1922. Serial No. 540,676. 4 Claims. (Cl. 94—44.)

1. A road building machine including a vehicle, a stone crusher mounted thereon, a conveyor extending from the stone crusher to a point beyond the body of the machine, means for permitting vertical adjustment of one end of the conveyor, a screen extending longitudinally of the vehicle and cooperating with said stone crusher and adapted to separate the material into two grades,



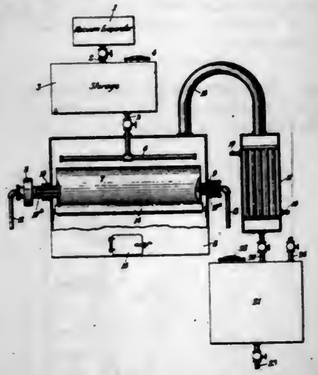
means for raising and lowering one end of said screen, a spreader, means for conveying one grade of material into the spreader, and means for conveying the other grade of material to the side of the road.

1,487,455. FIRE BAR FOR FURNACES. WILLIAM GIBSON, Newport, England, and EDWARD JAMES POCOCK, Cardiff, Wales. Filed Oct. 16, 1922. Serial No. 595,005. 1 Claim. (Cl. 126—167.)



A firebar for boiler furnaces comprising a central web, having a plurality of pockets at the top thereof to project on each side thereof and spaced apart from each other, each pocket having four side walls, two of which are parallel to each other and to the central web and two of which are parallel to each other and arranged diagonally across the central web.

1,487,456. PROCESS OF DISTILLING MATERIALS. MARTIN L. GRIFFIN, Rumford, Me. Filed Mar. 26, 1920. Serial No. 368,884. 2 Claims. (Cl. 203—6.)

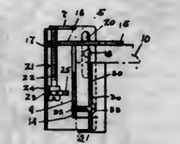


1. The process of distilling a wood pulp waste liquor which consists in evaporating it on the surface of an internally heated, rotary drum in order to distill off the volatile matter, and then condensing said volatile matter.

1,487,457. MOUNTING FOR PANEL BOARDS, ETC. FRED F. HAFEMEISTER, Cleveland, Ohio, assignor to The Cleveland Switchboard Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1919. Serial No. 310,844. 3 Claims. (Cl. 247—12.)

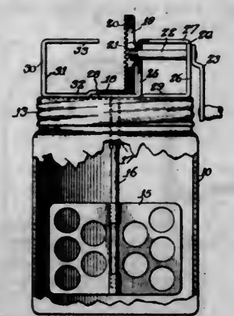
1. A panel board support, comprising a retaining member adapted to be placed adjacent the margin of a board, said retaining member having a slot therein, an angular shaped member movable with respect to said

retaining member, and having guide pins adapted to engage such slots in said retaining member, said angular shaped member being adapted to support said board, a screw rotatably mounted in said retaining member and



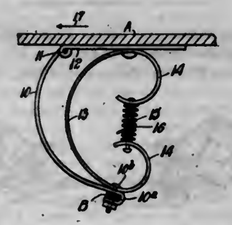
adapted to engage a lug on said angular shaped member and clamping means engaging said angular shaped member adapted to retain side members therebetween, said clamping means having a clip thereon adapted to overlap the corners of said side members.

1,487,458. CHURN. WILLIAM H. HALL, Cicero, Ill., assignor to Kohler Die & Specialty Company, De Kalb, Ill., a Corporation of Illinois. Filed Oct. 25, 1917. Serial No. 198,420. 2 Claims. (Cl. 259—122.)



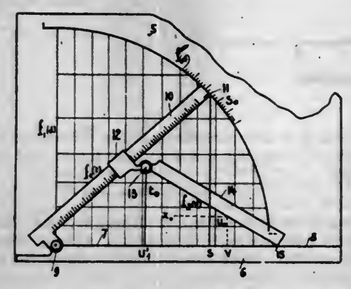
1. In a churn, the combination with the body thereof, and a cover therefor, of dasher mechanism carried by said cover operating mechanism for said dasher mechanism, and a handle yoke associated with said operating mechanism, said handle yoke including a vertically extending arm and a pair of parallel horizontal arms extending from the ends thereof, the lower of said arms being suitably connected to said churn cover for holding the handle yoke in association therewith, and the upper arm being free.

1,487,459. SPRING SUSPENSION FOR PERAMBULATORS AND OTHER VEHICLES. JOHN HAMPSON, London, England. Filed Apr. 4, 1922. Serial No. 549,532. 2 Claims. (Cl. 267—5.)



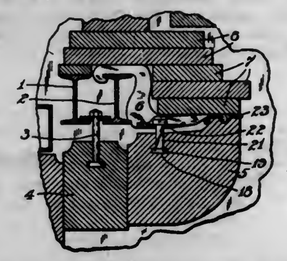
1. Suspension means for the wheels of baby carriages and other wheeled vehicles comprising pairs of rigid arms each arm being pivoted at one end to the body of the vehicle and projecting rearwardly and downwardly, wheel axles connected to each pair of arms at the ends remote from the pivots and flat strip C springs, between the axles and portions of the body in substantially the same horizontal plane as the pivotal connection of the arms with the body, for the purposes set forth.

1,487,460. CALCULATING DEVICE. HALVOR HANSSON, Christiania, Norway. Filed Aug. 31, 1922. Serial No. 585,546. 3 Claims. (Cl. 235—61.)



2. Apparatus for the graphic solution of equations, comprising, a table, a series of parallel straight lines thereon, one of which is the origin of the series, a circular arc thereon graduated to represent angles, the center of said arc, and the origin of the graduations thereon being on the straight line origin, a graduated rule, pivoted at one end at the center of said arc, a fixed rule positioned parallel to the straight line origin, a slide member positioned on, and slidable the length of said graduated rule, said slide pivotally carrying a second graduated rule, one end of which is movable along the fixed rule.

1,487,461. NOSE-BLOCK BRACKET. MAURICE A. HOFFT, Indianapolis, Ind., assignor to The M. A. Hofft Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 26, 1923. Serial No. 627,648. 8 Claims. (Cl. 110—95.)

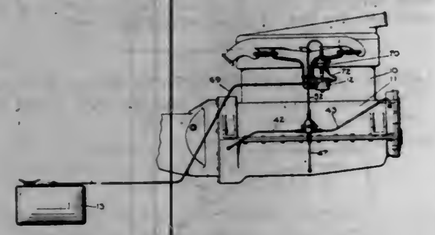


1. A nose block supporting bracket for furnace arches comprising a pair of spaced-apart arms for receiving and supporting the nose block hanger said arms being constructed on their upper surfaces to receive and support furnace brick and having rearwardly extending hooked arms arranged to fit over and engage a supporting beam of the arch to support said bracket in position.

1,487,462. LIQUID-FEED SYSTEM. ERNEST R. HUNTLEY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 26, 1920, Serial No. 376,437. Renewed Aug. 3, 1922. Serial No. 579,473. 6 Claims. (Cl. 103—235.)

4. In a liquid feed system, means for producing intermittent suction impulses and for restoring approximately atmospheric pressure in the intervals between the suc-

tion impulses, a low level main liquid tank, a high level receptacle, a pumping chamber in communication with



said tank and said receptacle, and a connection between the suction producing means and the top of said pumping chamber.

1,487,463. TONGS. EMIL T. KOERNER, Oak Park, Ill., assignor of one-half to Oscar L. Glaser, Oak Park, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 583,690. 2 Claims. (Cl. 63—6.)



1. Tongs having two like members of uniform cross sectional area throughout pivoted together near their longitudinal centers, and having gripping jaws near one end, the ends of said members beyond the jaws turned back and formed into rings, the jaws being corrugated so that the corrugations of one jaw will nest in the corrugations of the other jaw.

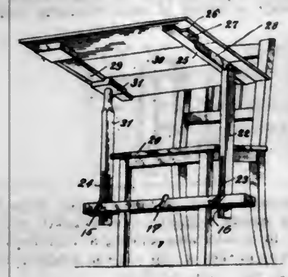
1,487,464. POLE TRAILER. JAMES MORRISON, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 24, 1920. Serial No. 368,265. 2 Claims. (Cl. 280—33.4.)



1. In a device of the character described, a trailer frame, a pole, journals at front and rear of the said frame for slidably mounting the pole, and a member mounted on the forward frame member of the trailer, and adapted to serve as a limit to the forward sliding motion of the pole, said member comprising a collar through which the pole passes, and frame elements connected to the frame of the trailer and said collar, for holding the collar in spaced relation to the trailer frame and a resilient element on the pole to contact with the collar.

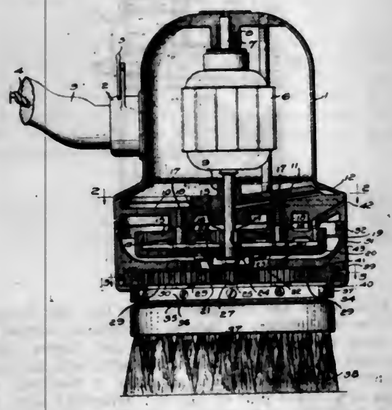
1,487,465. PUPIL DESK. JOSEF MÜLLER, Konstanz, Germany. Filed Aug. 31, 1921. Serial No. 497,451. 3 Claims. (Cl. 155—128.)

1. In a pupil-desk, a table, two supports for holding the same, two bars adapted to extend across the two front legs of a chair, a fastening in the middle of the bars for drawing the bars to each other, and means on the outer



ends of the bars outside of the legs of the chair for clamping the ends of the bars on the legs of the chair and securing the supports to the bars.

1,487,466. ROTARY BRUSH. ALBERT L. NORRIS, Jacksonville, Fla. Filed Oct. 13, 1921. Serial No. 507,422. 6 Claims. (Cl. 15—28.)



1. A brush comprising a casing, a motor arranged therein, a motor shaft driven by said motor, said motor shaft projecting from said casing, a pinion mounted on said motor shaft, a series of planetary gears meshing with said pinion, a connecting plate secured to a portion of said series of gears, a pinion secured thereto, a brush head rotatably mounted on said casing adjacent said pinion, and gearing meshing with said pinion and adapted to rotate said brush and head.

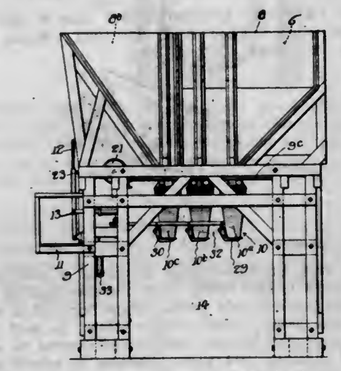
1,487,467. AUTOMATIC SKID PLACER. CHARLES D. OLAND and GEORGE MAIN, Centralia, Ill. Filed May 28, 1923. Serial No. 642,005. 8 Claims. (Cl. 104—257.)



1. An automatic skid placer including carriers disposed for movement toward and away from the rails of a railway, means for moving the carriers into and out of skid

placing position, and means actuated by the moving means for releasing the moving means at the completion of its skid placing movement to return to normal position and restore the carriers to inoperative position.

1,487,468. APPARATUS FOR MEASURING MATERIALS IN CONCRETE CONSTRUCTION. HERMAN D. PALMER and JOHN W. BUHEL, Hartford, Wis., assignors to The Kissel Motor Car Company, Hartford, Wis., a Corporation of Wisconsin. Original application filed Dec. 5, 1921, Serial No. 519,896. Divided and this application filed Nov. 26, 1923. Serial No. 677,044. 11 Claims. (Cl. 221—144.)



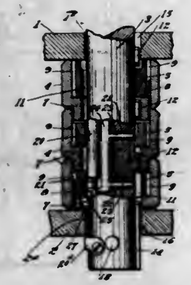
1. In an apparatus of the character described, the combination with a hopper, valve means for closing the lower or discharge end of the hopper comprising a door, a shaft upon which said door is fixed, and means normally holding said door in its closed position comprising a trip bar, an arm fast upon said shaft and connected with said bar, and a releasable device for limiting the movement of said bar in a direction to open said door comprising a rock shaft, a stop member carried by said shaft, a second stop member carried by said bar, spring means normally moving the first stop member into the path of movement of the second stop member, means for limiting the rocking movement of said rock shaft by said spring means, and means for moving said rock shaft in the opposite direction to carry the first stop member out of the path of movement of the second stop member.

6. In an apparatus of the charact r described, the combination of a plurality of hoppers; a door for closing the lower end of each of said hoppers, a plurality of parallel shafts carrying said doors, an arm rigid with each of said shafts, a bar connecting said arms together, and means for limiting movement of said bar in one direction whereby to hold said doors in closed position, said arms being of sectional construction to permit of the adjustment of the doors with respect to each other.

9. In an apparatus of the character described, the combination of a plurality of hoppers arranged in a plurality of rows, a door closing the lower end of each hopper, a plurality of parallel shafts each carrying the doors of the plurality of hoppers, an arm rigid with each of said shafts, a bar to which the upper ends of said arms are connected, and a releasable stop device operable to limit the movement of said bar in one direction whereby to support the doors in their closed position.

11. In an apparatus of the character described, the combination of a plurality of hoppers, a door for closing the lower end of each of said hoppers, separate means connecting the doors of the hoppers in groups or sets, the doors in each set being operable in unison, means normally tending to move the doors of each set into their closed positions, and a releasable device adapted to lock all of the doors in their closed positions, the doors of one set being operable independently of the doors of the other set.

1,487,469. PERMUTATION LOCK. JOHN PFEIFER, Springfield, Ohio, assignor to The Springfield Auto Lock Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 5, 1921. Serial No. 520,098. 12 Claims. (Cl. 70—53.)



1. In a permutation locking mechanism, a non-rotatable locking member movable in the direction of its length, locking devices for said member, said member having more or less inherent loose motion, when locked with relation to said locking devices, and means for confining the loose play of said locking member, when in its locked position, within limits which will prevent the locking devices from being contacted thereby, for the purpose specified.

1,487,470. ADJUSTABLE RETAINER. HARRY E. PHILIPS, New York, N. Y., assignor to Barron G. Collier, Incorporated, a Corporation of New York. Filed Apr. 26, 1923. Serial No. 634,871. 6 Claims. (Cl. 40—12.)



1. In a retaining device for card frames, in combination, a spring strip, an adjustment plate adapted to receive one end of said spring strip, and means cooperating with said adjustment plate to adjust the effective length of said spring strip, said means having positive locking engagement with said adjusting plate when in operative position.

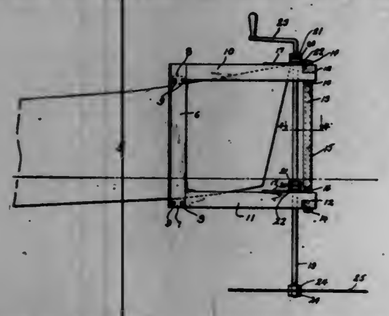
1,487,471. WEATHERPROOF COATING MEDIUM. RUDOLF PLÖNNIS, Wilmersdorf, near Berlin, Germany. Filed Nov. 3, 1920. Serial No. 421,527. 5 Claims. (Cl. 134—45.)

5. The herein described composition of matter which comprises 100 parts by weight of potassium water glass, about 3 parts of caustic alkali, about 5 parts of calcium carbonate, and about 5 parts of tar oil, and which is adapted for use as a paint or coating for floors and walls.

1,487,472. WEED CUTTER. LOUIS H. RATHKE, Milwaukee, Wis. Filed Sept. 7, 1920. Serial No. 408,524. 3 Claims. (Cl. 56—8.)

3. In a device for cutting weeds and the like under water comprising a substantially V-shaped frame adapted to be readily detachably secured externally of the bow

of a boat; a vertical shaft rotatably and slidably journalled in said frame adjacent its apex; collars carried by said shaft for controlling the vertical position thereof



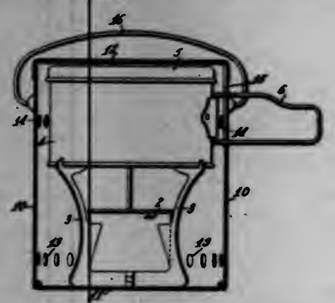
relative to said frame; a substantially rigid V-shaped weed guard carried by the apex of said frame in advance of said shaft; and a cutting disc carried by the lower end of said shaft.

1,487,473. OPTICAL APPARATUS. WILLIAM P. REAVES, Greensboro, N. C. Filed Dec. 6, 1922. Serial No. 605,213. 7 Claims. (Cl. 88—29.)



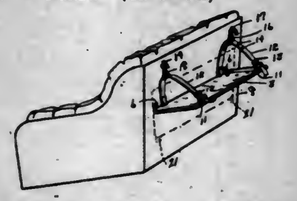
1. A device of the class described which comprises a box containing a mirror and having openings in front of said mirror through which the light rays from the objective may pass to the mirror and from the mirror to the observer's eye respectively, a closure for each of said openings mounted on the box and movable into a plurality of positions, in one of which positions it serves to close the opening in said box and in another position to act as a guard to prevent lateral light rays from striking the eye of the observer, said closures being connected together for simultaneous operation.

1,487,474. CASING FOR SMALL COOKING STOVES. HENRY JAMES RHODES, Vancouver, British Columbia, Canada. Filed Sept. 20, 1921. Serial No. 502,049. 1 Claim. (Cl. 126—38.)



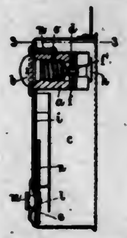
A protective shield for a heating device, comprising the combination with the fuel holder and its stand, and a cooking vessel on the stand having hinged handles adapted to be folded against the vessel or projected at right angles thereto, said casing having provisions adjacent the lower part for admitting air for combustion and adjacent the upper part providing escape for the products of combustion and also having a vertical slot extending to the top of the casing into which the handle of the cooking vessel may be passed and through which it may be projected when said handle is extended at right angles to the cooking vessel, and a cover removably fitting the casing, the internal diameter of the casing being sufficiently greater than the external diameter of the vessel to allow the handles of the cooking vessel to be folded against the cooking vessel and the cooking vessel inserted into the casing if desired.

1,487,475. CRIB FOR AUTOMOBILES. IKE W. RIBYAT, Syracuse, N. Y. Filed Sept. 27, 1922. Serial No. 590,772. 2 Claims. (Cl. 5—94.)



1. In a crib for automobiles, a frame, a removable fabric attached to said frame, glove fastener buttons for holding said fabric to said frame, straps fastened to said frame, hooks having open ends, whereby to hold the frame in suspended manner, said straps secured to said frame and engaging said hooks, whereby to attach said frame to said hooks, one of said hooks having a tooth adapted to engage one of said straps, whereby to aid in holding the frame in horizontal position and means attached to said fabric to aid in holding the frame in vertical position.

1,487,476. ELECTRIC POCKET AND NIGHT LAMP. PAUL ROMBACH, Karlsruhe, Germany. Filed Apr. 19, 1922. Serial No. 555,652. 3 Claims. (Cl. 240—8.5.)

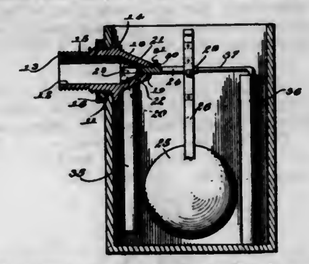


1. An electric pocket lamp comprising a casing, a cylinder provided in the front of the casing and at right angles thereto, a socket slidably disposed within said cylinder and a bulb mounted in said socket, whereby the bulb and socket may be depressed into said cylinder, means within the lamp casing for retaining the bulb and socket in their depressed position, manually operated means disposed on the outside of the casing to release said retaining means, spring means for raising said socket and bulb from their depressed position and holding them in their raised position, and means for causing the circuit to be closed when the bulb is in its raised position and broken when it is depressed.

1,487,477. VALVE. LORNE PRINGLE ROSS, San Jose, Costa Rica. Filed Nov. 23, 1922. Serial No. 602,888. 1 Claim. (Cl. 137—104.)

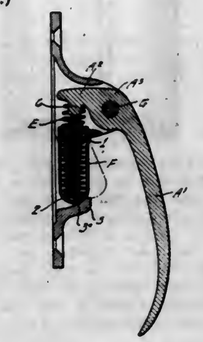
In a float control valve mechanism, a nipple adapted to be coupled with the water supply system or the like, said nipple having a valve casing integrally formed therewith,

said valve casing communicating with the nipple and being provided with a valve seat and with an outlet port in said valve seat, a valve operating on said seat, said valve having a stem projecting exteriorly of the valve casing, a float having an arm provided with a series of



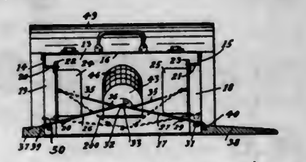
openings adapted to be selectively fitted on said valve stem, means for clamping the arm in adjusted position on the valve stem, and cooperating means between the arms and the valve casing for limiting the downward movement of the float.

1,487,478. REFRIGERATOR LOCK. ADOLPH RUBIN, St. Louis, Mo., assignor to Sieber Products Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 17, 1922. Serial No. 601,504. 12 Claims. (Cl. 292—242.)



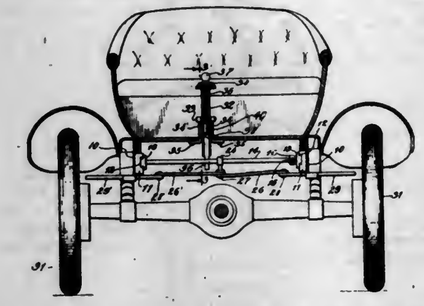
4. A lock of the character referred to, comprising a retaining device, a member that carries said device, an actuating spring for said device, and a removable spring housing on said member that holds said spring in operative relationship with said retaining device.

1,487,479. ANIMAL TRAP. HERMAN SANDER, Fargo, N. Dak. Filed Feb. 19, 1921. Serial No. 446,255. 7 Claims. (Cl. 43—76.)



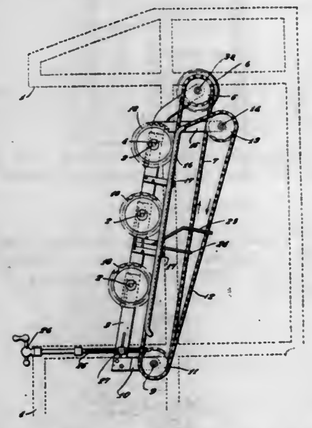
1. A trap comprising an enclosure having an opening therein, a closure member for said opening falling short of the bottom of said opening, an inclined operating floor member positioned below said closure member, a ramp leading up to said operating floor member and a rearwardly positioned extension on said operating member for over-lapping said ramp to form a smooth passageway into the trap.

1,487,480. AUTOMOBILE LOCK. KARL SCHERER, New York, N. Y. Filed Aug. 11, 1921. Serial No. 491,324. 2 Claims. (Cl. 188—31.)



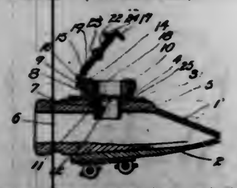
1. A locking device for automobiles and like vehicles, comprising a vehicle frame, locking members adapted to engage the wheels of the vehicle, means for moving said locking members in and out of engagement with said wheels, said means comprising guideways on the frame, a member slidable in said guideways, a rock shaft operably connected to said member, a rod also connected to said member, and link connections between said rod and said locking members whereby the operation of said slide member operates said link connections to urge said locking members into and out of engagement with the wheels of the vehicle.

1,487,481. BROILING APPARATUS. MAX SCHEY, Brooklyn, N. Y. Filed Jan. 19, 1922. Serial No. 530,241. 7 Claims. (Cl. 126—41.)



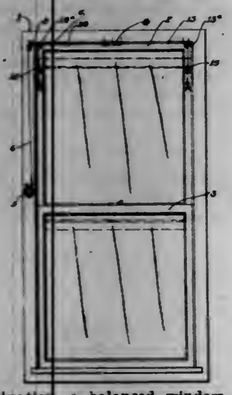
1. A broiling apparatus embodying a plurality of rotatable spits adapted to support broils, a drip pan associated with each spit and adapted to contain a pool of grease, a ladle carried by each spit offcenter and adapted by rotation of the spit to be periodically submerged in the grease of the associated drip pan, a pair of drive members operable in opposite directions and a driven member associated with each spit and adapted to be brought into engagement with either of the drive members for the purpose of effecting rotation of such spit in either one direction or the other, whereby rotation of the spit in one direction will result in basting of the broil supported on the spit, whereas rotation of the spit in the opposite direction will be accomplished without concurrent basting of the broil.

1,487,482. TONE MODIFIER. FREDERICK E. SHANE, Kansas City, Mo. Filed Feb. 3, 1922. Serial No. 533,755. 3 Claims. (Cl. 84—385.)



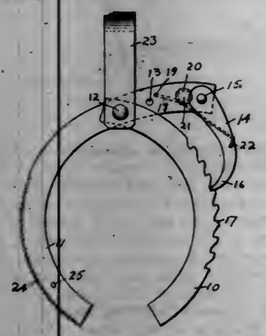
3. A mouthpiece for musical instruments including a vibratory reed as part of the mouthpiece, said mouthpiece having a transverse opening therein, and a diaphragm closing the opening, the diaphragm producing a discordant sound combining with the natural tone produced by the reed of the mouthpiece.

1,487,483. AUTOMATIC APPARATUS FOR WINDOW AND COORDINATED OPERATION. RICHARD SHIPPEN, South Orange, N. J. Filed Feb. 21, 1922. Serial No. 538,397. 7 Claims. (Cl. 161—1.)



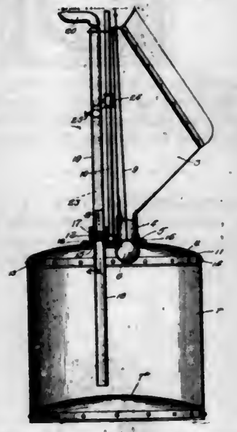
1. In combination, a balanced window sash, a motor for raising the same, and a time-control release for said motor.

1,487,484. MINCED-HAM AND SAUSAGE BLADDER HOLDER. WALTER SIERAKOWSKI, Lansing, Mich. Filed Sept. 23, 1922. Serial No. 590,123. 1 Claim. (Cl. 294—118.)



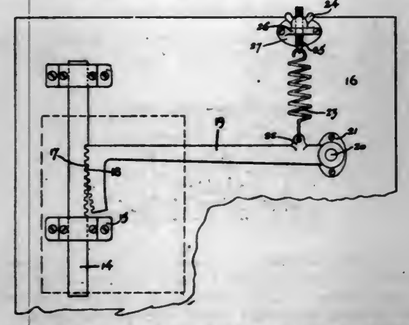
A holder of the class described, comprising flat gripping members connected for pivotal movement and together presenting a rounded adjustable gripping edge, a hanging member carried by the pivotal support of the gripping members, one of said members being extended beyond the pivotal support in a direction opposite its gripping edge and terminally provided with a pawl, the other of said members being formed on the edge remote from its gripping edge with a series of teeth with which said pawl cooperates, the pawl acting to automatically lock the gripping members in gripping relation to each other as the gripping area therebetween is reduced.

1,487,485. SAND-LIFTING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1922, Serial No. 554,330. Renewed Feb. 1, 1924. 1 Claim. (Cl. 302—53.)



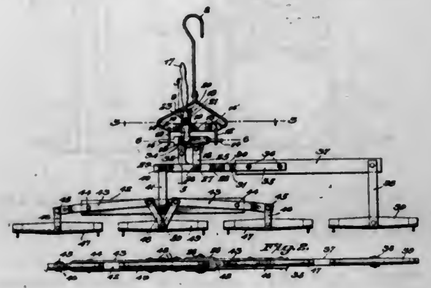
In material-lifting apparatus, the combination of a tank for the material to be lifted, a conduit opening into said tank and through which the material is elevated, means for subjecting the material in the tank to fluid pressure for forcing it through said conduit, and a second conduit for fluid pressure, said second conduit opening through the wall of said first-named conduit above the end thereof opening into said tank, in a plane substantially at right angles to said first-named conduit and throughout the circumference of the latter.

1,487,486. CARRIAGE. CHARLES C. SPREEN, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 26, 1923. Serial No. 653,970. 5 Claims. (Cl. 64—52.)



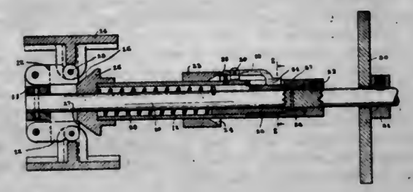
1. In combination, a bar mounted to permit reciprocation in a direction parallel to its axis and to prevent motion of any other kind, a base carried thereby and adapted to support an electric motor, a lever pivoted to swing in a plane parallel to the plane of said base and having a free end operatively connected to said bar whereby pivotal movement of said lever will result in reciprocation of said bar and said base, and means acting on said lever adjacent its pivot to cause such pivotal movement of said lever and thus cause such reciprocal movement of said bar and said base.

1,487,487. DRAFT EQUALIZER. ARTHUR STARK, Ralston, Nebr. Filed July 10, 1922, Serial No. 573,837. Renewed Jan. 22, 1924. 7 Claims. (Cl. 278—8.)



1. A draft-equalizer comprising a draw member, a laterally-shiftable transverse member on said draw member, a lever fulcrumed on one of said members arranged to shift said transverse member, a draft-arm swingably connected with said transverse member at one end and arranged in its other end portion to be connected with a draft-animal, a cross member swingably connected in one end portion with said draft-arm and in its other end portion adapted for connection with draft-animals, and links swingably connected with said transverse member and with said cross member between its ends.

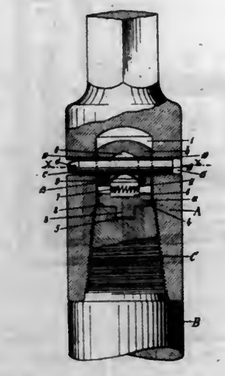
1,487,488. LAPPING-IN TOOL FOR INTERNAL-COMBUSTION ENGINES. HARRY W. STIMSON, West Allis, Wis. Filed Oct. 2, 1922. Serial No. 591,893. 10 Claims. (Cl. 51—206.)



1. In a tool of the class described, a plurality of lapping members, axially displaceable means including releasable dogs for radially displacing said members and means for releasing said dogs.

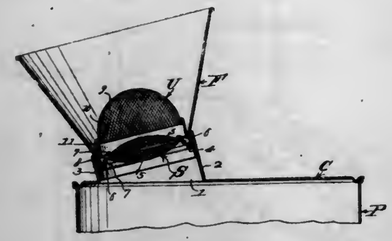
1,487,489. ROCK AND LIKE DRILL. JOSEPH STREDA, London, England. Filed Dec. 4, 1922. Serial No. 604,941. 2 Claims. (Cl. 279—100.)

1. A device for locking together two screw-joined parts of a rock or like drill, comprising a cylindrical block divided transversely into two parts and fitted in a cavity in the female drill part, the lower part of the block being feathered to the male drill part so as to be prevented from rotary displacement relative to the latter, the adjoining faces of the block part being formed with intermeshing ratchet teeth preventing relative rotation in the unscrewing direction of the drill elements but allowing the top part to be turned in the opposite direction, a headed lock bolt, the top part of the block and the female part of the drill being slotted for the reception of said lock bolt, a split pin for fastening the bolt in



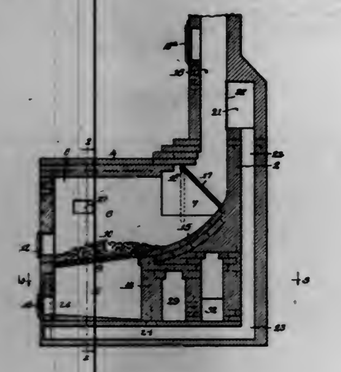
locking position, the female drill part being recessed to accommodate the head and the split pin, a blade spring fitted in the top part of the block so as to bear against the inserted lock bolt and press the block parts together, the lock bolt having a notch in which to receive the abutting part of the spring, and means for turning the top part of the block so as to admit the lock bolt after the drill parts have been screwed together.

1,487,490. MILK STRAINER. LEWIS H. SUBLETT and EMIL B. PETERS, Georgetown, Ky. Filed Apr. 15, 1922. Serial No. 553,141. 2 Claims. (Cl. 210—158.)



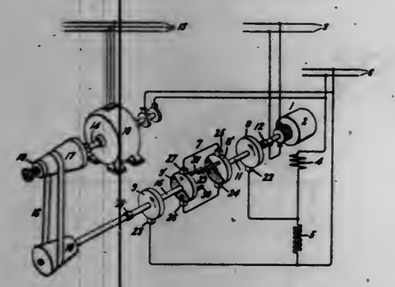
2. A strainer of the class described comprising, in combination, a receiving member provided with an inwardly disposed bead and a straining unit insertable within said member and engageable with the bead, said unit comprising two straining elements, an annular member secured to the marginal portion of each of the elements and having its periphery defined by an outstanding flange, said flange having close contact with the inner wall of the member when the straining unit is in applied position, and a supplemental screening element having an annular member secured to the marginal portion thereof, said last named annular member telescopically engaging within the flange of one of the first named elements.

1,487,491. INCINERATOR. GEORGE SUTCLIFFE, Chicago, Ill., assignor of one-half to George T. Williams, Chicago, Ill. Filed Aug. 3, 1923. Serial No. 655,399. 3 Claims. (Cl. 110—8.)



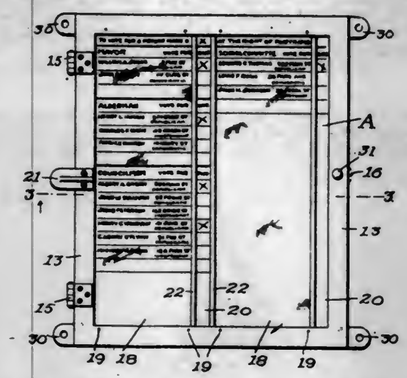
3. An incinerator comprising a combustion chamber having a grate in the forward portion and an ash pit below said grate, a hearth at the rear of said grate, an outlet duct leading downwardly from the upper portion of said combustion chamber and connected with transverse passages beneath said hearth, a chimney connecting with said passages, a chute opening into said chamber above said hearth, a gate mounted above said hearth and adapted to be swung into positions to open and close the lower end of said chute, and a duct communicating with said chute at a predetermined distance above its lower end and extending exterior of said chamber to the ash pit.

1,487,492. REGULATING SYSTEM. LOUIS W. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 28, 1923. Serial No. 641,821. 4 Claims. (Cl. 172—293.)



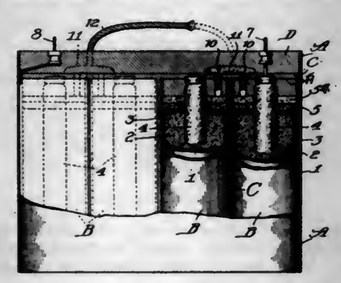
3. In combination, an electric motor the speed of which is to be controlled, a second electric motor arranged to rotate at a speed in accordance with which the speed of the first mentioned motor is to be controlled, rotatable elements respectively driven by said motors and comprising conducting segments connected and arranged to control the excitation of said first mentioned motor in accordance with the relative angular position of said rotatable elements, and means for limiting the angular movement of said rotatable elements with respect to each other.

1,487,493. BALLOT-MARKING APPARATUS. ROY D. TOLMAN, Worcester, Mass. Filed Feb. 21, 1923. Serial No. 620,539. 20 Claims. (Cl. 35—12.)



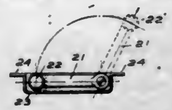
1. A ballot marking apparatus comprising a base with a transparent cover for the ballot and a vertical column open in the cover.

1,487,494. BATTERY. DONALD W. TYRRELL, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Jan. 3, 1921. Serial No. 434,682. 7 Claims. (Cl. 204—53.)



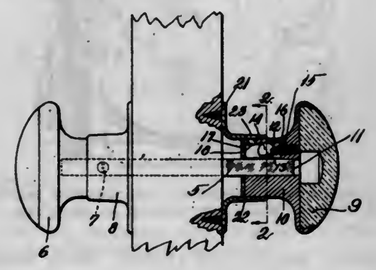
1. A battery comprising a main container, a plurality of dry cells therein provided with cores of depolarizing material and electrolyte surrounding said cores, layers of inert material in said cells above said cores and electrolyte, individual seals in said cells, a common seal in said main container above and completely covering said cells, passages extening thru said seals and communicating with said layers of inert material, an upper seal in said main container, and venting means extending thru said upper seal and communicating with said passages, whereby the gases generated in said cells may pass to the external atmosphere.

1,487,495. DISAPPEARING FOOT REST. GEORGE THEO. VON GERMETEN and CARL F. HANSEN, Racine, Wis. Filed Feb. 16, 1923. Serial No. 619,399. 1 Claim. (Cl. 296—75.)



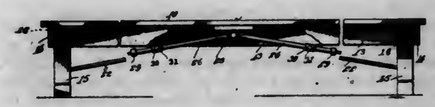
A disappearing foot rest for a vehicle comprising a casing adapted to be inset within the floor of the vehicle and having outwardly extending supporting flanges, a foot rest plate provided with trunnions projecting laterally therefrom adjacent its rear edge, said casing having slots therein for the sliding reception of said trunnion, and a link pivotally joined to said foot rest plate at a point intermediate the ends of said plate and pivotally joined to the inner side of said casing whereby said foot rest may be slid with its inner end continuously positioned within said casing and with its forward end elevated and retained in such position.

1,487,496. DOORKNOB. JAMES H. WENTWORTH, Lynn, Mass. Filed July 28, 1920. Serial No. 399,562. 1 Claim. (Cl. 292—355.)



The combination of a spindle, a knob having a bore in its shank into which said spindle telescopes, and also having a guideway inclined with respect to and communicating with said bore, and a spring-pressed ball located in said guideway and projecting into said bore to lock the knob to said spindle, said shank having an aperture communicating with said guideway, through which an implement may be passed for pressing back the ball and releasing the knob in combination with an escutcheon having an aperture normally out of register with said first mentioned aperture with which said first mentioned aperture may be brought into registration.

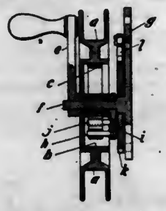
1,487,497. FOLDING FURNITURE. THOMAS WHEWELL, New York, N. Y. Filed Feb. 13, 1923. Serial No. 618,881. 2 Claims. (Cl. 45—11.)



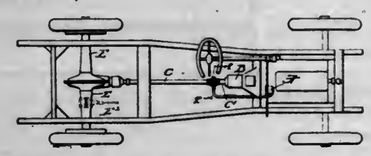
1. A foldable piece of furniture including a top and legs pivotally connected to the ends thereof, hollow rods having angularly turned ends movably connected with the intermediate portion of the top, other rods pivotally connected with the legs and being slidable through the hollow rods, the angular ends of the hollow rods being formed with openings at an angle to the movably connected portions thereof through which the other rods are arranged to slide, and means for holding the rods against relative movement, at times.

1,487,498. WINCH. ARTHUR WILLIAM WHISTLECROFT, London, and HAROLD ROBERT CORBY VAN DE VELDE, Bromley, England, assignors to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1920. Serial No. 419,202. 7 Claims. (Cl. 254—150.)

1. In a winch, the combination of a winding drum, a friction brake located within said drum and adapted normally to engage the inner surface of said drum to hold the same stationary and means for driving said drum through said brake and for releasing said drum from said brake.



1,487,499. INSTRUMENT-DRIVING CONNECTION FOR MOTOR VEHICLES. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 17, 1922. Serial No. 544,644. 6 Claims. (Cl. 74—7.)



1. In an automobile, a construction for applying to a propeller shaft which is housed throughout its length, and at an intermediate point in said length, a gear for transmitting driving power from said shaft to an accessory instrument, consisting in the combination with such shaft of a housing transversely severed and having the severed ends of the parts spaced apart for a distance sufficient to accommodate a gear on said shaft, such gear comprising a plurality of members severed axially of the shaft and secured together clamping the shaft; a coupling joining rigidly the two severed members of the shaft housing, said coupling being enlarged over the interval between the spaced-apart ends of the shaft housing to form a chamber housing said gear, said coupling comprising two members severed axially and secured together clamping said spaced-apart ends of the shaft housing, said housing coupling having a journal bearing for a driven shaft, a shaft journaled in said bearing, and a gear on said shaft within the coupling chamber meshing with the first mentioned gear therein.

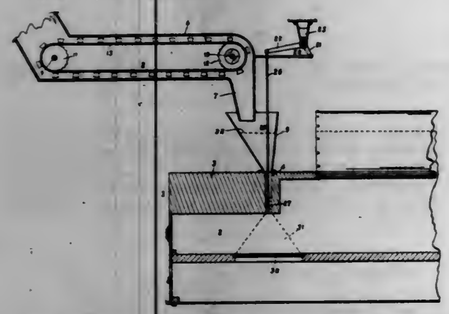
1,487,500. CHANGEABLE SIGN WITH LOCKING DEVICE. LESLIE ELVIN WILLIAMS, Wichita Falls, Tex., assignor of one-half to Clifford Allday, Petrolia, Tex. Filed Jan. 11, 1923. Serial No. 611,950. 2 Claims. (Cl. 40—125.)



1. A changeable sign with locking device, comprising a pair of standards attached to a frame; a pair of bracing standards attached to said first mentioned standards; a frame hinged to said first mentioned frame, each frame

having a plurality of eyelets at the top thereof, a perforated member attached at each end of the first mentioned frame; a rod having a head on one end and an eyelet on one end inserted through said perforated members and said eyelets, a lock larger than the hole in said perforated members, locked in the eyelet of said rod.

1,487,501. STOKER. CASIMIR J. WOOD, San Francisco, Calif. Filed May 12, 1919. Serial No. 296,674. 1 Claim. (Cl. 110—102.)



The combination of a furnace having a top wall with a vertical conduit therethrough, a grate within the furnace arranged under said conduit, a fuel receiving hopper arranged on said wall of the furnace to discharge through said conduit therein, a movable conveyor positioned above the hopper for delivering fuel thereinto, said conveyor including a rotatable supporting shaft, a bell crank lever journaled above said hopper and having one portion of said lever extending toward said shaft and the other away from said shaft, an eccentric secured to said conveyor shaft, a strap about said eccentric, a rod connecting said strap with the remote end portion of said bell crank lever and an agitator in said conduit and connected with the other end of said bell crank lever.

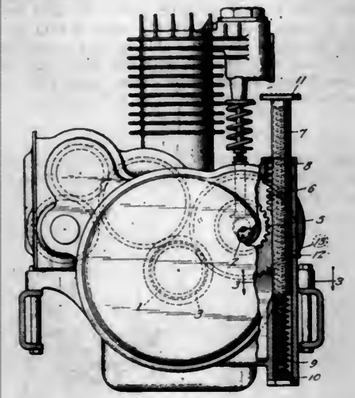
1,487,502. MAGNETO FLASH LAMP. JAMES J. WOOD, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,376. 8 Claims. (Cl. 240—8.5.)



1. In a device of the character described, the combination of a casing, a generator located within the casing and extending longitudinally thereof, a frame also located within the casing which extends longitudinally thereof and has transverse shafts, gearing arranged on the shafts and within the frame, a centrifugal coupling for connecting the gearing with the rotor of the generator, an actuator which extends outside of the casing for driving the gearing, a lamp carried by the casing, and means for carrying current from the generator to the lamp.

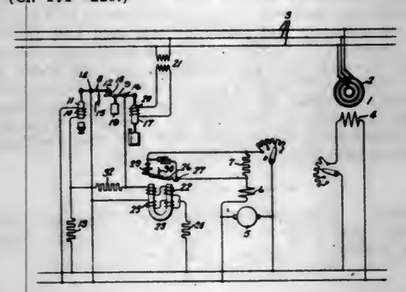
1,487,503. STARTER. ADAM ZISKA, Jr., Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 20, 1919. Serial No. 325,214. 7 Claims. (Cl. 74—7.)

2. A starter for internal combustion engines comprising a rack, a gear normally disengaged from said rack, and means for connecting said gear and engine shaft and for allowing said engine shaft to overrun said gear under



certain conditions, said rack being free from engagement with said gear at the lower portion of its stroke.

1,487,504. REGULATING SYSTEM. HENRY STEVENSON BAKER, Niagara Falls, Ontario, Canada, assignor to General Electric Company, a Corporation of New York. Filed Apr. 19, 1921. Serial No. 462,768. 4 Claims. (Cl. 171—229.)

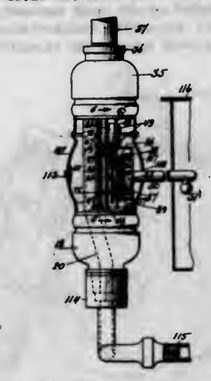


1. In a regulating system, the combination of a pair of cooperating contacts arranged to effect by their engagement and disengagement the desired regulation, means for actuating one of said contacts in accordance with the condition being regulated, an electromagnet for operating the other one of said contacts, a source of current connected to said electromagnet, an impedance device in the circuit of said electromagnet and a second impedance device arranged to be connected in parallel to the coil of said electromagnet by the engagement of said contacts.

1,487,505. AUTOMATIC VALVE CLOSER. AURELIO BARCHIESI, Jersey City, N. J., assignor of forty one-hundredths to Angelo Baratta, ten one-hundredths to Antonio Orrico, both of Jersey City, N. J., and twenty one-hundredths to Giovanni Squarcialupi, New York, N. Y. Filed Apr. 9, 1921. Serial No. 459,914. 6 Claims. (Cl. 67—116.)

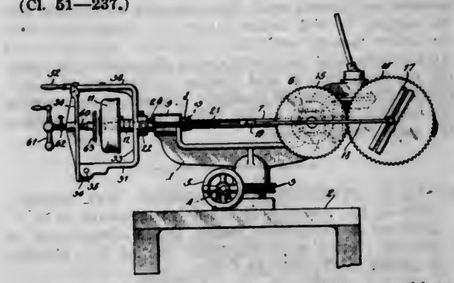
1. In an automatic valve closer of the character described the combination of a valve for a gas conduit of the closer, a valve stem for the valve, a stop lug extending from the valve stem, a spring in the heat zone of a flame fed by gas flowing through the valve closer, a ratchet wheel pivoted in the valve closer connected to one end of said spring and rotated in one direction with the expansion of said spring, a lever pivoted in the valve

closer, a locking pin extending from the lever adapted to lock with the stop lug a second lever pivoted to the first lever, a pawl extending from the second lever, a pin extending from the second lever, an operating arm



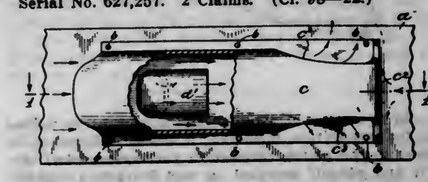
extending from the valve stem to raise it with the valve, and a second arm extending from the valve stem to contact with the pin on the second lever to unlock the pawl from the ratchet wheel to enable the spring to assume its normal position when cooled.

1,487,506. WORKHOLDER FOR POLISHING MACHINES. SAUL BLICKMAN, Far Rockaway, N. Y. Filed Mar. 23, 1923. Serial No. 627,074. 10 Claims. (Cl. 51—237.)



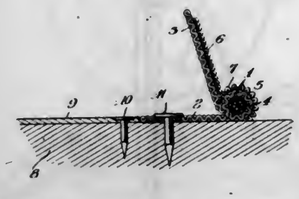
1. Work clamping mechanism for polishing machines, comprising a rotary head-stock, a tail-stock, a carrier therefor connected to move the tail-stock toward and from operative relation to the work in a direction generally inward and toward or outward and away from the face of the head-stock, and quickly releasable positive locking means for securing the carrier in active position, whereby clamping and unclamping of the work may be rapidly and accurately effected.

1,487,507. VENTILATOR FOR VEHICLES. EDWARD J. BRAISTED, Flushing, N. Y. Filed Mar. 24, 1923. Serial No. 627,257. 2 Claims. (Cl. 98—22.)



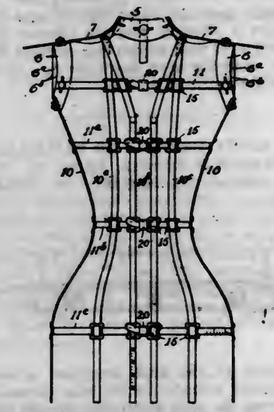
1. A ventilator of the character described including an outer casing constituting an open-ended channel adapted to receive air currents, a transverse baffle closing the other end of the casing, said casing being provided with lateral ports to permit the escape of air in proximity to said baffle, and an eductor nozzle disposed within the channel formed by the casing and communicating with the interior of the vehicle.

1,487,508. FINISHING STRIP. ALBERT BROWN, Rochester, N. Y., assignor to Vogt Mfg. Corporation, Rochester, N. Y., a Corporation of New York. Filed Sept. 22, 1920. Serial No. 411,998. 5 Claims. (Cl. 155—184.)



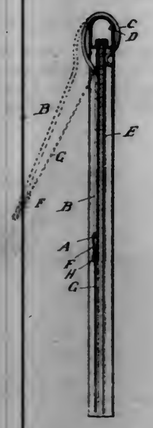
1. A fabricated finishing strip for upholstery comprising an ornamental corded bead constituted by weaving a tubular portion about a cord, a plain flange portion proceeding integrally therefrom and by which it may be tacked to a support independently of the formation of the bead and a second and ornamental flange portion connected integrally to one of said parts and adapted to overlie and to be secured to the plain flange to conceal it and its attaching means.

1,487,509. MEASURING AND FITTING FORM FOR BODY GARMENTS. HYMAN BUSHLOWITZ, Reading, Pa. Filed Aug. 29, 1922. Serial No. 585,020. 1 Claim. (Cl. 223—18.)



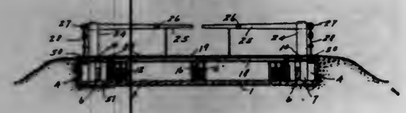
In a combined measuring and fitting form for body garments, the combination with a top body frame work made up of an open-front neck band and arm opening bands, each independently adjustable and united by adjustable top shoulder straps, of a series of front, side and rear resilient measuring strips suspended from said frame and carrying a series of circumferential measuring strips of like material, the latter having their meeting ends overlapping a central vertical line of the form, adjustable slip clamps at the crossings of said vertical and circumferential strips, and releasable clamping devices for said overlapping ends of the circumferential strips, whereby the latter may be parted to form an opening to said form.

1,487,510. WINDSHIELD ATTACHMENT. CURTIS L. CRUVER, Chicago, Ill. Filed Nov. 23, 1922. Serial No. 602,816. 4 Claims. (Cl. 296—97.)



1. A device of the kind specified including a plate or sheet of suitable material, a folded strip of metal secured to and embracing one edge portion thereof, a supporting member for said plate or sheet comprising a U-shaped wire frame having its middle portion passed through and pivotally engaged with said metal strip, the arms of said supporting member terminating in flexible hooks adapted to receive the upper frame-portion of the windshield, the free end portions of said hooks opposing portions of said arms bent to prevent their contact with the inner face of the windshield pane and said free ends adapted to bear upon the outer face of said windshield pane and exert a yielding pressure thereon to thereby cause the portion of said supporting member below said hooks to bear yieldably upon the inner face of the windshield to prevent rattle.

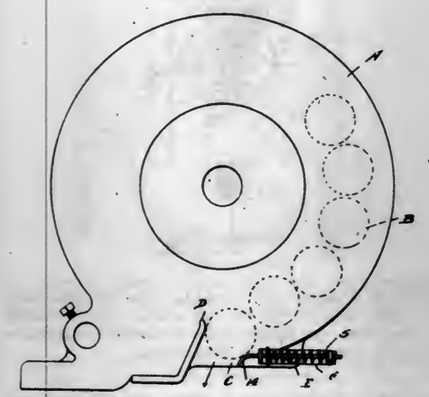
1,487,511. SAFETY DEVICE FOR RAILROAD CROSSINGS. LAWRENCE T. DOUVIER, Amboy, Ill. Filed Jan. 24, 1924. Serial No. 688,127. 4 Claims. (Cl. 246—128.)



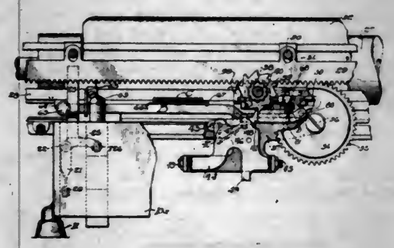
4. In a device of the kind described, a base; road platforms slidingly mounted in the base; means for lowering and raising the road platforms through the weight of a vehicle; semaphores mounted on the base; means for operating the semaphores through the medium of the road platforms; means for locking the approach side road platforms; and means for operating the locking means upon the approach of a train.

1,487,512. LOOM BOBBIN HOLDER. JOSEPH EPPS, Williamston, S. C., assignor of one-half to T. I. Barber, Williamston, S. C. Filed Feb. 6, 1923. Serial No. 617,241. 1 Claim. (Cl. 139—251.)

The combination with the bobbin battery of a weaving machine having an outlet opening for the bobbin, of a bobbin holder including a U-shaped bracket member formed with slots in the parallel leg portions thereof, a latch member of strip form slidably mounted in the openings of the bracket member having a shoulder formed thereon between the leg portions of the bracket, a plate mounted on said latch member and fitted on said shoulder portion, a coil spring mounted on the latch member and engaging said plate and one leg of the bracket member for normally forcing said plate against the shoulder of the latch member and forcing said latch member outwardly into the opening in said bobbin battery for engagement with the bobbin therein, and means adjustably mounted on the latch member and cooperating with the bracket for limiting the projection of said member to any one of a plurality of predetermined positions, and means for securing the bracket member to the bobbin battery for holding the same rigidly thereon.

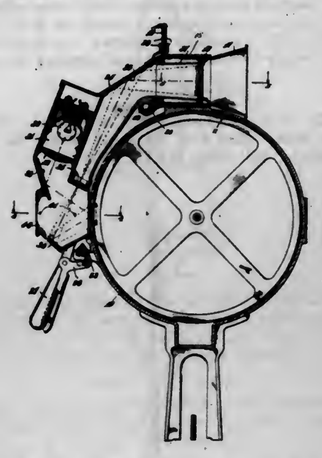


1,487,513. TYPEWRITING MACHINE. MAX GARBELL, Chicago, Ill., assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1921. Serial No. 474,029. 2 Claims. (Cl. 197—91.)



1. As an article of manufacture, a backspacer mechanism for typewriters, including: a bracket adapted to be secured to the platen carriage, a back-spacer pawl pivotally and slidably mounted on said bracket, a connecting link pivotally attached to said pawl, and an expansible spring interposed between said pawl and said link at points intermediate the pivotal mounting of the pawl and the pawl tooth proper thereof.

1,487,514. READING APPLIANCE FOR SCALES. HARRY T. GOSS, Rutherford, N. J., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Dec. 19, 1919. Serial No. 346,142. 18 Claims. (Cl. 88—24.)



18. In a weighing scale, in combination, a weight-controlled movable chart having a plurality of series of graduations, a screen, and means for selectively projecting graduations from each of said series upon said screen.

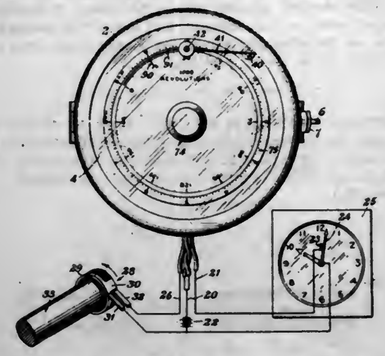
1,487,515. THERMAL RESPONSIVE SWITCH. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1921. Serial No. 466,335. 10 Claims. (Cl. 200—122.)



1. The combination in an electric switch of a switch member biased to a normal position, a pivotally supported flexible thermostatic latch adapted to engage the switch member for holding the switch member in another position, the said latch adapted to be flexed responsively to the heating effect of a predetermined value of current to thereby disengage the switch member and release the same to return to the normal position after an interval of time, and means for adjusting the position of the latch about its pivotal support for varying the said time interval.

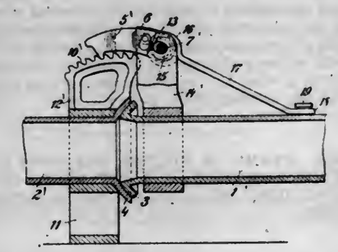
1,487,516. PRODUCTION METER. HAPLEY HOWARD HELLER, New York, N. Y., assignor to Ford Instrument Company, Inc., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,773. 12 Claims. (Cl. 234—1.5.)

1. In an instrument of the class described, a chart bearing predetermined indications of steps of work and of time intervals allotted to individual work-steps, a marker arranged to bear on said chart, means responsive to recurring displacement of a moving part of a machine operable to move said chart, and time-controlled means



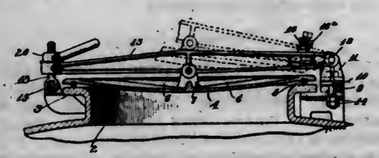
for operating said marker, the combined movement of said chart and marker generating a time scale comparatively related to said predetermined indications.

1,487,517. PIPE JOINT. WALTER KRAUSE, Berlin-Zehlendorf, Germany. Filed Sept. 29, 1921. Serial No. 504,177. 7 Claims. (Cl. 285—110.)



1. In a pipe joint, the combination, with the pipes to be connected having contacting faces, of supporting means for one of said pipes disposed in such a way that axial pressure is exerted by gravity by one of said pipes whereby the contacting faces are forced together, said supporting means comprising cooperating members respectively mounted on said pipes and movable relatively to each other transversely of the pipes, one of said co-operating members being also movable relatively to the pipe on which it is mounted.

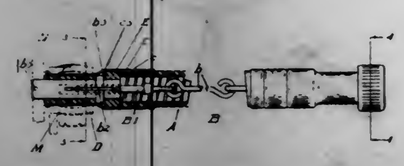
1,487,518. MANHOLE CLOSURE. EDGAR B. NICHOLS and HOMER C. BROWNLEE, Rochester, N. Y., assignors to The Pfaudler Company, Rochester, N. Y., a Corporation of New York. Filed June 12, 1922. Serial No. 567,529. 6 Claims. (Cl. 220—35.)



1. The combination with a container having a manhole, of a closure for said manhole comprising a support pivoted upon the container at one side of the opening

and adapted to swing transversely of the opening, an operating and clamping lever pivoted upon the support to swing axially of the manhole opening, a cover plate for the manhole pivoted upon the lever, a spring arranged between the support and lever for moving the latter on its pivot and means for securing the lever when the plate is in closed position.

1,487,519. FLEXIBLE SHAFT. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 12, 1922. Serial No. 567,512. 4 Claims. (Cl. 64—30.)



1. A flexible shaft construction comprising in combination with a flexible non-revolving casing and a flexible revolving shaft element therein, a two-part terminal for the latter, said two parts having sliding rotation-transmitting engagement with each other; the casing having a rigid unitary terminal ferrule which extends beyond the flexible portion of the casing; two journal bearing stops fixed and interspaced in said unitary extended part of the ferrule, the said outer part of the revolving shaft terminal protruding from said casing terminal through one of said stops and having a diametric enlargement or encompassing boss which is engaged in said interspace for longitudinally stopping the rotating shaft element.

1,487,520. FRAME OR HOLDER FOR DISPLAY MATTER. WILLIAM A. RINGLER, Philadelphia, Pa. Filed Mar. 14, 1923. Serial No. 624,885. 4 Claims. (Cl. 40—148.)

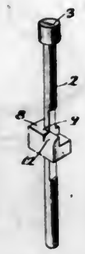


1. In a device of the character stated the combination of an easel the front of which is provided with oppositely located guides, with a chambered pocket having its front wall transparent and its rear wall provided with overlapping portions, the ends of the pocket being closed and the top and the bottom of the pocket being open, said pocket being adapted to slidably engage said guides and have its open sides closed thereby.

1,487,521. FIXATION OF NITROGEN BY MEANS OF TITANIUM AND ITS TRANSFORMATION INTO INDUSTRIAL PRODUCTS. PAUL ANDREU and RENÉ PAQUET, Paris, France. Filed Jan. 13, 1922. Serial No. 529,028. 3 Claims. (Cl. 23—13).

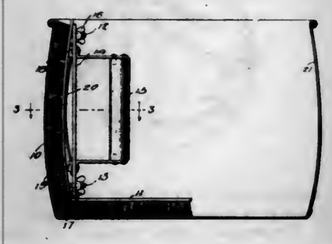
1. A process of producing titanium oxid with simultaneous recovery of nitrogen compounds which comprises mixing a titanium containing ore, with about an equal weight of carbonaceous material and amount of an alkali corresponding to about three fourths said weight of sodium carbonate, subjecting the mixture to an atmosphere containing free nitrogen at a temperature near 1850° C., and thereafter subjecting the resulting product to action of steam at near 1800° C., whereby nitrogen compounds are evolved, leaching the solid product with water whereby the soluble titanium compounds are separated from iron and other insoluble materials, subjecting the resulting solution to hydrolytic dissociation and calcining the product.

1,487,522. DOOR FASTENER. MARION A. ANDREWS, Yuma, Ariz. Filed Jan. 11, 1923. Serial No. 611,960. 3 Claims. (Cl. 292—175.)



1. In a closure fastening device, a stem having intermediate its length a block for preventing rotation of the stem in its mounting, said block having a latching part, and a keeper including a plate attachable to a supporting element, the keeper having a hook parallel to said plate end engageable by the said part.

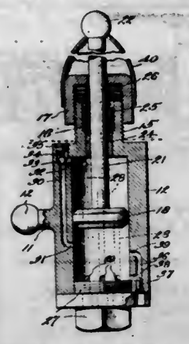
1,487,523. BRUSH. SIMON L. APATOW, New York, N. Y. Filed July 17, 1922. Serial No. 575,620. 3 Claims. (Cl. 15—164.)



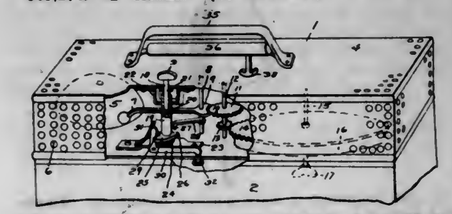
1. A cleaning tool, comprising a brush having a flexible back, a brush having a rigid back attached to the brush having a flexible back and extending at an angle thereto, a handle removably mounted on the flexible back, and a spring member positioned between the flexible brush back and the handle for forcing the brush into engagement with surfaces having different contours.

1,487,524. SHOCK ABSORBER. JOHN J. BAMBACH, Wilkes-Barre, Pa. Filed Feb. 12, 1923. Serial No. 618,649. 3 Claims. (Cl. 188—88.)

1. A shock absorber for vehicles comprising a fluid containing cylinder adapted to be secured to the axle, a piston operating therein and including a rod secured to the frame of the vehicle, said cylinder having longitudinal bores opening into the cylinder adjacent the ends thereof, whereby said fluid is transferred from one side of the piston to the other as the piston reciprocates, the corresponding lower extremities of certain of said bores lying substantially in the same plane, and the upper extremities of the latter mentioned bores being stepped from the top of the cylinder for the purpose specified.

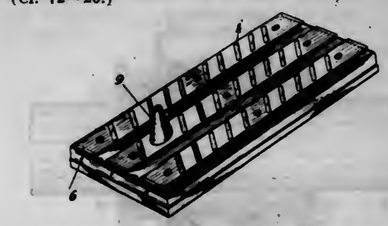


1,487,525. ALARM MECHANISM. CLARENCE BASCOME, Cleveland, Ohio. Filed July 3, 1923. Serial No. 649,274. 2 Claims. (Cl. 116—99.)



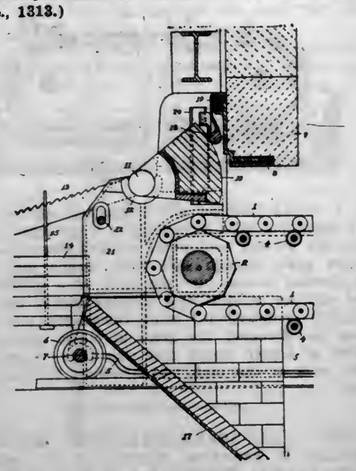
2. An alarm mechanism comprising an oscillating clapper, and means for operating the same, a locking member for the clapper, means for releasing the locking member to provide for intermittent operation of the clapper, a carrying member adapted to be held in inoperative position by the hand, said carrying member comprising a barrel, a contractile spring housed therein, and a plunger slidably mounted in the barrel and provided with a depending arm for engagement with said releasing means, the barrel being provided with a longitudinal slot through which said arm extends.

1,487,526. CONCRETE BUILDING BLOCK. WILLIAM M. BASHLIN, De Land, Fla. Filed Jan. 13, 1922, Serial No. 528,953. Renewed Sept. 28, 1923. 5 Claims. (Cl. 72—20.)



1. A concrete building unit comprising a flat block having a face thereof provided with longitudinal dovetail locking grooves extending below the level of the face of said block, and with locking recesses arranged angularly of said grooves, and a spacing boss projecting from the face of said block remote from the edges thereof.

1,487,527. ADJUSTABLE FIRE BRIDGE FOR FURNACES HAVING MOVABLE GRATES. ALFRED WILLIAM BENNIS, Bolton, England. Filed Jan. 27, 1917. Serial No. 144,994. 2 Claims. (Cl. 110—40.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



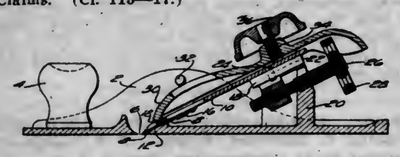
1. A furnace comprising walls, a moving grate extending through the back wall, an adjustable bridge, means guiding the bridge vertically, a swinging plate preventing leakage of air about said bridge, walls partially surrounding the rear portion of the grate and forming an approximately air-tight enclosure for the rear end of the furnace.

1,487,528. GRATE. LEO J. BINDER, Spokane, Wash. Filed Mar. 16, 1921. Serial No. 452,849. 3 Claims. (Cl. 126—168.)



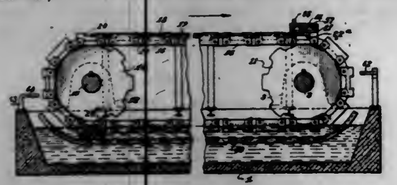
3. In a grate bar, a pair of end members, a pair of side bars having hooked ends and channels formed intermediately of their ends, housings on said end members and pins in each housing for supporting said hooked ends, dove-tailed hooks on said end members, a plurality of grate sections having dove-tailed hook members interlocking with each other and with the hook members on said end members, a tapered wedge-shaped spacing member between the side bars received in the intermediate channels in said side bars; the grate sections having flanges overlapping said bars.

1,487,529. PLANE BLADE. WALDO H. BLACKMER, New York, N. Y., assignor to Tvedt-Smith Company, a Firm consisting of Thomas T. Tvedt and Channing Smith. Filed Dec. 5, 1922. Serial No. 605,026. 7 Claims. (Cl. 115—17.)



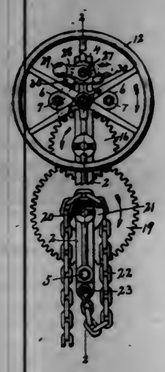
1. A plane having in combination a stock, a blade having projections at its ends extending at an angle to the plane of the blade and means for engaging said projections to locate the blade in operating position.

1,487,530. SPRING FORMING AND TEMPERING MACHINE. JESSE ALLEN BOWERS, Wilkes-Barre, Pa., and EDWARD JOHN BAUMGARTEN, Canton, Ohio. Filed Aug. 16, 1919. Serial No. 318,037. 8 Claims. (Cl. 266—6.)



1. A spring forming and tempering machine including a tempering bath, a plurality of metal forming means, means for moving said metal forming means in a non-circular path through said bath, means for lowering said forming means into the bath at a predetermined point and for raising said forming means out of the bath at a predetermined point, cams upon said forming means for clamping the same in closed position upon a strip of heated metal, and trip arms located at opposite ends of the tank and arranged to operate said cams.

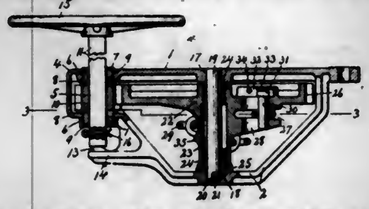
1,487,531. CAR-BRAKE-OPERATING MECHANISM. WILLIAM D. BREWSTER, Syracuse, N. Y., assignor to National Brake Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed July 18, 1923. Serial No. 652,283. 3 Claims. (Cl. 74—119.)



1. In a brake operating mechanism for box cars, in combination with one of the end walls of the car, an upright frame secured to and between the inner and outer sides of said wall, a sprocket wheel journaled in said frame, an operating shaft journaled in the frame above the sprocket wheel and provided with a hand wheel, a sprocket chain passed over the sprocket wheel and having one end attached to the lower portion of the frame and its other end adapted to be connected to a brake mechanism, means for transmitting rotary motion from the operating shaft to the sprocket wheel, and means including a pawl for cooperating with a part of the last named means for holding the operating shaft against rotation.

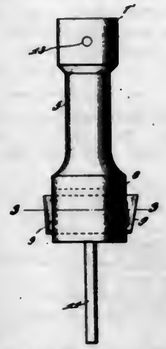
1,487,532. CAR-BRAKE-OPERATING MECHANISM. WILLIAM D. BREWSTER, Syracuse, N. Y., assignor to National Brake Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Aug. 4, 1923. Serial No. 655,712. 4 Claims. (Cl. 74—119.)

1. In a car brake operating mechanism, a main supporting frame, a drum journaled on the frame, means for rotating the drum including a vertical operating staff of the same angular cross section and size from end to



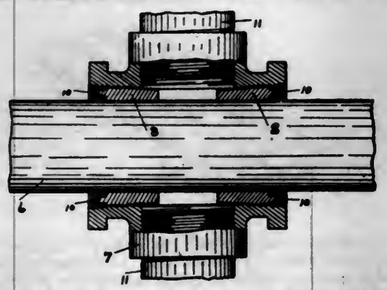
end, and a driving pinion on said staff, said frame being provided with an end thrust bearing engaging the lower end of the staff.

1,487,533. VALVE-SEATING TOOL. JAMES B. BRYAN, Hutchinson, Kans. Filed Feb. 7, 1923. Serial No. 617,558. 1 Claim. (Cl. 90—12.5.)



A tool including a body portion having an enlargement formed at one end thereof, the enlargement having an opening extending therethrough, overlapping laterally adjustable blades positioned within the opening and having their cutting edges extending beyond the periphery of the enlargement, a set screw extending into the enlargement and engaging one of the blades for forcing the blades into close engagement with each other and into engagement with one wall of the opening securing the blade within the openings and said set screw being disposed at an oblique angle with respect to the body portion of the tool.

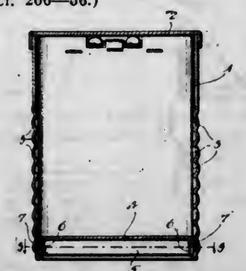
1,487,534. ADJUSTABLE BUSHING. ALPHEUS C. BUNTEN, Council Bluffs, Iowa, assignor of one-half to Margaret Beall Harding, Omaha, Nebr. Filed Feb. 23, 1922. Serial No. 538,509. 2 Claims. (Cl. 287—52.)



1. In an adjustable bushing for a pipe coupling and pipe, a tapered sleeve having a slot formed longitudinally therein to open on its ends and having lugs projecting

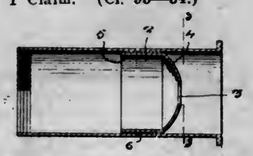
beyond its end of greater thickness having a lesser thickness than the wall of the sleeve, said sleeve having a threaded connection with the pipe coupling and being revoluble on the pipe for a movement inwardly of the pipe coupling.

1,487,535. TOBACCO CAN. JAMES A. BUREN, Tacoma, Wash. Filed Apr. 9, 1923. Serial No. 630,890. 1 Claim. (Cl. 206—56.)



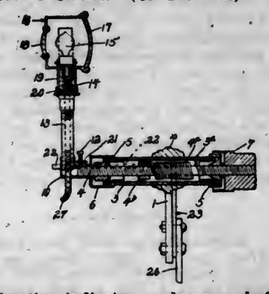
A container having in its walls opposed vertically disposed convolutions forming spaced internal recesses, a bottom arranged for vertical sliding movement in said container, said bottom having a downwardly projecting flange provided with oppositely disposed parallel slits extending upwardly from the lower edge of the flange and into said bottom, and tongues formed by bending the metal between said parallel slits, outwardly and then inwardly for close resilient engagement with the recesses formed by the convolutions in the walls of the container when the bottom is pushed upwardly therein.

1,487,536. LENS DIAPHRAGM. MERLE G. CAMPAU, Oconto, Nebr. Filed Apr. 29, 1921. Serial No. 465,413. 1 Claim. (Cl. 95—54.)



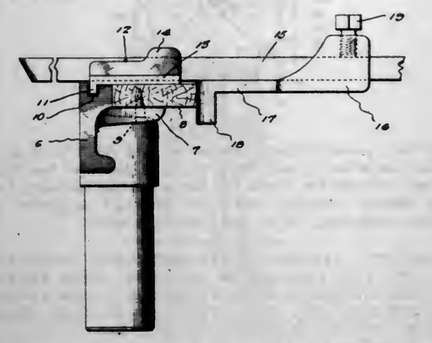
As a new article of manufacture, a contracting device for lens tubes comprising a cylindrical body, a concavo-convex front wall fixed to the said body and arranged with its convex side foremost and having a central opening, and a covering of friction creating and light excluding material carried by the body and adapted to retain the contracting device in a position in which it is placed in a lens tube.

1,487,537. DIRECTION INDICATOR. OLIVER C. CANNON, Wilkinsburg, Pa. Filed Sept. 11, 1920. Serial No. 409,631. 3 Claims. (Cl. 116—54.)



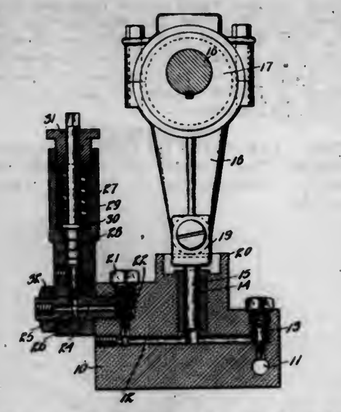
1. In a direction indicator, a sleeve, a shaft rotatably mounted through the sleeve, anti-friction bearings carried by said shaft and fitting into the ends of the sleeve, a coil spring mounted about the shaft within the sleeve and secured at one end to the shaft and at its other end to said sleeve, the spring acting to rock the shaft in one direction, a signal device connected to said shaft, and means for rocking the shaft in the other direction.

1,487,538. ATTACHMENT FOR WOOD-TURNING LATHES. JAMES CHADEK, Appleton, Wis. Filed June 23, 1922. Serial No. 570,387. 4 Claims. (Cl. 142—38.)



1. The combination of a horizontally disposed profile member, a chisel guide movable longitudinally of said member and provided with a chisel passage extending at right angles to the direction of movement thereof and a chisel freely movable in said passage and equipped with a follower engageable with said profile member.

1,487,539. OIL PUMP. CLARENCE W. CLEMENTZ, Jacksonville, Fla., assignor to Crankless Engine Company, Jacksonville, Fla., a Corporation of Florida. Filed Aug. 17, 1922. Serial No. 582,567. 4 Claims. (Cl. 103—11.)

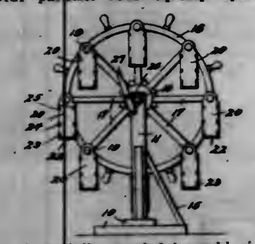


1. A fuel oil pump comprising a block, a plurality of pumps operating therein, a common inlet passage leading to said pumps, a common outlet passage receiving fuel pumped from said pumps, branch passages leading from said common outlet passage and a relief valve connected with each branch passage whereby the common outlet passage is interposed between the pumps and the said branch passage, substantially as set forth.

1,487,540. DISPLAY STAND FOR MERCHANDISE. THOMAS HOLLOWAY COKER, Hartsville, S. C. Filed June 16, 1922. Serial No. 568,748. 3 Claims. (Cl. 211—20.)

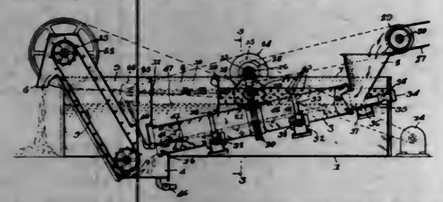
1. A display device of the class described comprising in combination, a stand having spaced upright supporting

members, a horizontal shaft carried by said members at their upper ends, a rotary carrier in the form of a single wheel mounted on said shaft midway between said supporting members and having a solid rim portion, a series of horizontal parallel rods equally spaced from each



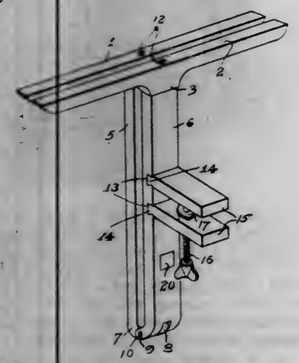
other circumferentially carried by said rim and projecting therefrom on both sides for equal distances less than that between the wheel and its supporting members and a display container below and pivotally supported by each projecting end of each rod of the series.

1,487,541. APPARATUS AND METHOD OF EXTRACTING THE PETROLEUM CONTENT FROM PETROLEUM-BEARING SAND OR SHALE. JESSE COOGAN, Salt Lake City, Utah. Filed Apr. 16, 1920. Serial No. 374,328. 8 Claims. (Cl. 196—25.)



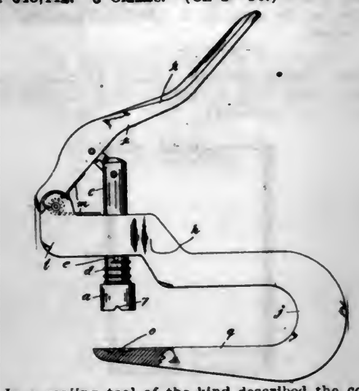
2. The method of extracting bituminous material from sand and the like, which method comprises the agitation of such sand in water, the injection into said water during such agitation of a petroleum solvent, whereby the petroleum in said sand will be floated to the surface of the water, and the re-circulation of a portion of the petroleum so floated through the sand in the course of its continued agitation.

1,487,542. SAW CLAMP OR VISE. BENJAMIN F. COOK, Portland, Oreg. Filed Oct. 25, 1919, Serial No. 333,137. Renewed Aug. 11, 1923. 3 Claims. (Cl. 76—78.)



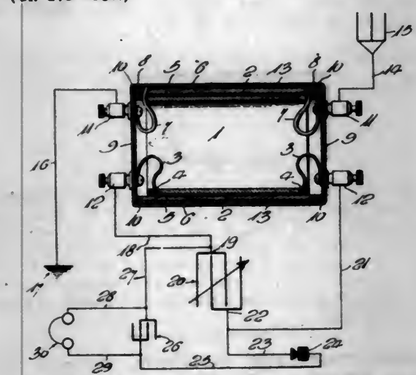
1. A clamping device of the class described having arms with conical projections at the free ends thereof, arms to swivel thereon, and screws passing through the arms into the projections to bind the heads and projections to prevent independent relative movement.

1,487,543. SHALING TOOL. THOMAS EDMUND DINGWALL, Hutton, England. Filed June 4, 1923. Serial No. 643,442. 6 Claims. (Cl. 1—50.)



3. In a sealing tool of the kind described the combination with a co-operating anvil and a driver for driving and clinching a pronged sealing device, of a rotatable notched sleeve on the driver provided with notches for receiving the strings sealed by the seal attached by the sealer, said rotatable notched sleeve being mounted for recession on the leading end of the driver, and a spring for normally projecting said sleeve beyond the leading end of the driver.

1,487,544. TRANSFORMER FOR RADIO RECEIVING SETS. ROBERT MAXWELL DINSMORE, Little Falls, N. J. Filed Nov. 20, 1922. Serial No. 602,111. 4 Claims. (Cl. 175—360.)

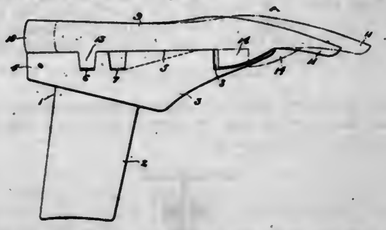


1. A transformer coil for radio receiving sets comprising an open ended supporting tube of insulating material, a winding disposed around the outside of said tube, a winding disposed upon the inside of said tube in inductive relation to the first mentioned winding, caps closing the ends of said tube, binding posts carried by said caps and located on the outer sides thereof, said binding posts having portions extending through said caps into the interior of said tube and having the terminals of said windings secured thereto, and a covering of insulating material disposed around the first mentioned winding upon said tube and sealing said caps onto the latter.

1,487,545. SHOE LAST. JOHN DOMINICK, Massillon, Ohio. Filed Apr. 12, 1922. Serial No. 551,793. 2 Claims. (Cl. 12—134.)

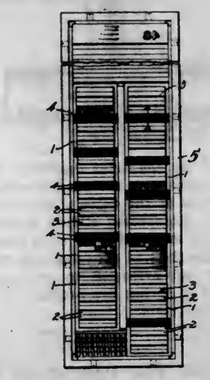
1. An adjustable shoe last including a base member having transverse grooves in its upper surface, a last

member having a transverse rib in its under surface arranged to selectively engage either of the grooves in



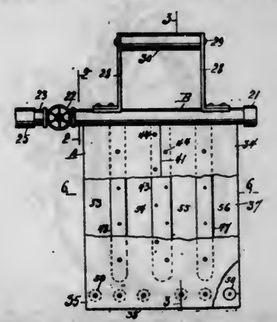
the base member, and depending lugs upon the last member for engaging the sides of the base member.

1,487,546. PRINTING FORM. RALPH J. DORION, Binghamton, N. Y. Filed May 1, 1923. Serial No. 636,010. 8 Claims. (Cl. 101—368.)



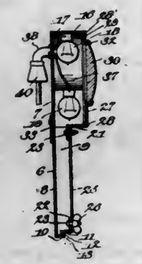
1. A printing form for factory tags comprising a plurality of type holding frames disposed in a row within a common chase, each of said frames containing coupon printing types consecutively arranged corresponding to successive operations in the manufacture of a shoe, and killer printing types arranged between all of the frames to prevent fraudulent alteration of the printing tag.

1,487,547. ICE-CUTTING DEVICE. PETER DOW, Lake Hopatcong, N. J., assignor of seventy-five per cent to Consumers Coal and Ice Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 562,242. 7 Claims. (Cl. 62—112.)



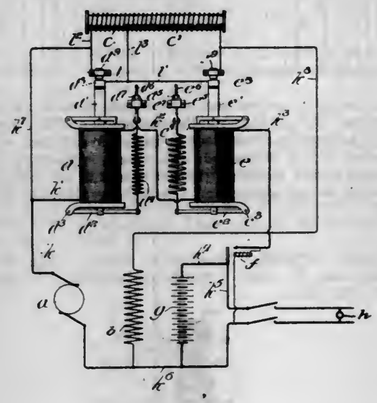
2. In a cutting device the combination of a supply pipe for a heated fluid, a hollow blade connected to said pipe, said blade having an outlet opening, the interior of the pipe and the interior of the blade forming connected passages for a fluid and means to insulate the walls of the blade substantially as described.

1,487,548. COMBINED AUTOMOBILE TAIL LIGHT AND LICENSE-PLATE ILLUMINATOR. JACQUES G. ESTERS, Brooklyn, N. Y. Filed Feb. 9, 1923. Serial No. 618,076. 6 Claims. (Cl. 40—133.)



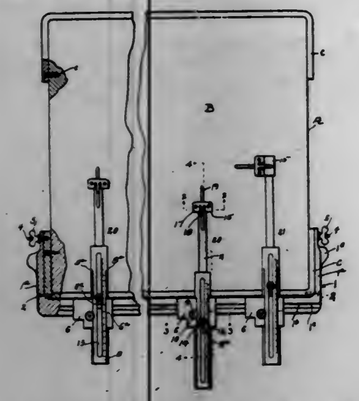
1. A device of the class described comprising a casing, an opening in the bottom of said casing extending the length thereof, a colored back wall formed in said casing, a license plate removably supported by said casing in spaced relation to said colored back wall, cut-out indicia upon said license plate for co-action with the opening in said casing whereby to cause a draft of air to circulate through said opening and said cut-out indicia to automatically clean said colored back wall when a vehicle is in motion.

1,487,549. LIGHTING SYSTEM. STEPHEN W. EVERETT, Topeka, Kans. Filed Jan. 5, 1906. Serial No. 294,785. 57 Claims. (Cl. 171—229.)



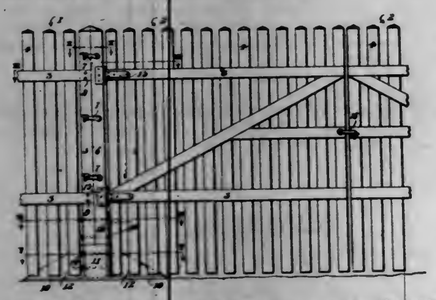
19. A system comprising a variable speed generator, a storage battery charged thereby, a vibratory switch, a winding in series with said battery to vibrate said switch and means controlled by said switch to regulate said generator.

1,487,550. FEED GAUGE. FRANK M. FAHLOR, Manorville, Pa. Filed Jan. 23, 1923. Serial No. 614,414. 7 Claims. (Cl. 101—415.)



1. In combination with a platen and tympan clamping bails carried thereby, a frame mounted on one of said bails and adjustable about an axis extending longitudinally of said bail, and gauges carried by said frame and adjustable longitudinally thereof.

1,487,551. FENCE AND GATE CONSTRUCTION. JOSEPH FAZEKAS, St. Paul, Minn. Filed Apr. 6, 1923. Serial No. 630,311. 3 Claims. (Cl. 39—87.)



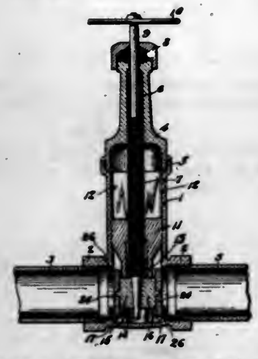
1. In a gate construction, a mounting post for the gate including a pair of rails rigidly assembled, one of the rails having a laterally offset block at its lower end upon which the other rail is supported, and a base supporting plate having a socket receiving the block, means for anchoring the block in the socket, and a gate hinged to one of the rails.

1,487,552. WHEEL. WALTER F. FRANZ, Utica, N. Y. Filed Jan. 25, 1922. Serial No. 531,694. 3 Claims. (Cl. 301—63.)



1. A wheel having opposed side plates comprising body portions and tire engaging portions, the said plates being bent inwardly intermediate the said portions to provide a pocket for the tire located between the said tire engaging portions, the angle between the body portion and the tire engaging portion of the plate being such that the pressure of the overlying load will force the tire engaging portions of the plate toward each other to securely clamp the tire in position.

1,487,553. GATE VALVE. JOHN H. FREEZE, North Canton, Ohio. Filed Aug. 7, 1922. Serial No. 580,078. 2 Claims. (Cl. 251—69.)

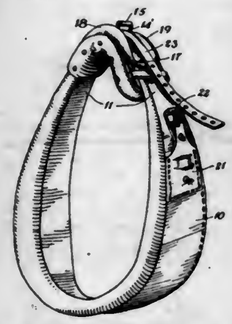


1. In a valve of the character described, the combination of a casing, a valve stem threaded therein, a nut upon the inner end portion of the valve stem, a pair of wedge blocks mounted for transverse sliding movement in the nut, a disk rotatably mounted upon each wedge block and a tapered pin within the nut engaging the wedge faces of the wedge blocks and arranged to be engaged by the threaded stem, and a spring for urging the tapered pin toward the threaded stem.

1,487,554. PROCESS FOR HARDENING STEEL ALLOYS. ADOLF FRY, Essen-Stadtwald, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Oct. 26, 1921. Serial No. 510,623. 2 Claims. (Cl. 148—14.)

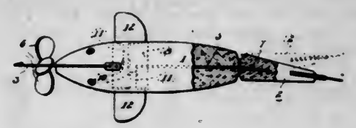
1. Process for hardening a steel alloy, consisting in subjecting the alloy to nitrogenization at a temperature below the temperature of peritectorial transformation.

1,487,555. HORSE COLLAR. ALBERT GERMUNDSON, Elbow Lake, Minn. Filed Apr. 17, 1923. Serial No. 632,737. 2 Claims. (Cl. 54—67.)



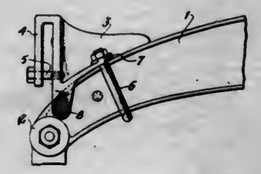
1. In a collar of the class described, a collar cap comprising a metallic plate curved longitudinally to fit the upper part of the collar and curved transversely to provide front and rear flange portions, a pad beneath said plate and shaped to conform thereto and to project peripherally beyond the plate, means to secure the pad fixedly to the front and rear edges of said plate, the curvature transversely of the plate and pad being arranged to prevent contact of the securing means with the neck of an animal, a staple projecting upwardly from the center of the plate and adapted to lie between the terminal ends of the collar, a top pad having an opening therein fitted on top of said collar and bridging the joint between the free ends of the collar, said staple passing through said opening, means for securing the collar ends and top cap and top pad together including a strip passing through said staple, said strip being secured to the collar on one side of the terminal ends of the collar, and means for connecting the said strip to the collar on the opposite side of the terminal ends.

1,487,556. ARTIFICIAL BAIT. BERT G. GOBLE, Tulsa, Okla. Continuation in part of application Serial No. 561,203, filed May 15, 1922. This application filed Dec. 12, 1922. Serial No. 606,533. 11 Claims. (Cl. 43—46.)



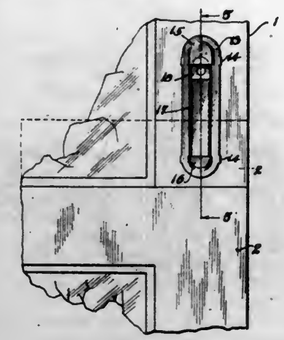
1. In an artificial bait, the combination with a body portion provided with an articulated member, of a power shaft journaled in said body portion and operatively connected to said articulated member to cause the latter to describe an orbital path lying vertical and transversely of the bait, upon rotation of the shaft, a water wheel secured on the shaft and operating to revolve it when immersed in a current of water or drawn through it, said body portion and articulated member being formed in the general outline of a fish with the articulated member constituting the tail portion thereof, said shaft embodying a rear end portion projecting beyond the rear end of the body portion at an angle to the portion of the shaft journaled in said body portion and fixed to the articulated member.

1,487,557. AUTOMOBILE BUFFER BRACKET. OSCAR H. GOETZ, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Aug. 30, 1922. Serial No. 585,144. 4 Claims. (Cl. 293—55.)



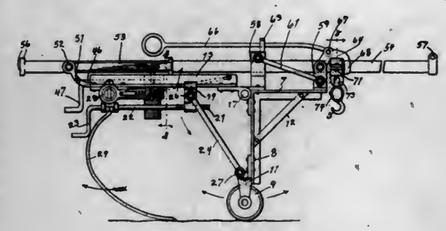
3. In an automobile buffer supporting bracket of the type adapted to be clamped on the upper surface of the frame horn, a pair of ears depending on each side of the frame and adapted to contact with an abutting portion of said horn.

1,487,558. SASH LOCK. FRANK C. GORHAM, Los Angeles, Calif. Filed Jan. 8, 1923. Serial No. 611,392. 12 Claims. (Cl. 292—343.)



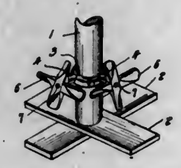
10. In window sash locks, the combination of a locking wedge having extending tongues, and means adapted to be anchored to a window sash for engaging the tongues and retaining the wedge in normally operative position, the said wedge being movable to and from a position in engagement with the retaining means.

1,487,559. BRUSH RAKE. GOVERT C. GROENEVELD, Hanford, Calif. Filed July 29, 1922. Serial No. 578,445. 4 Claims. (Cl. 56—387.)



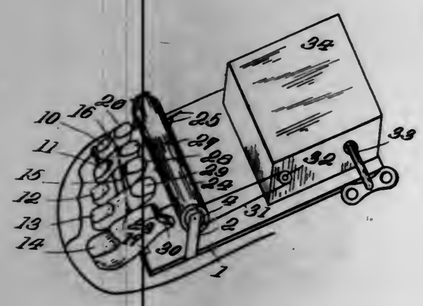
1. In a device of the character described, a frame, ground engaging wheels mounted therebelow, T shaped members pivoted to said frame, rake teeth pivotally mounted on said T shaped members and at a point remote from said frame, and means for varying the pivotal connection between said frame and said T shaped member.

1,487,560. CHURN DASHER. JAMES B. GURNEY, Collinsville, Ala. Filed Jan. 2, 1923. Serial No. 610,289. 4 Claims. (Cl. 259—142.)



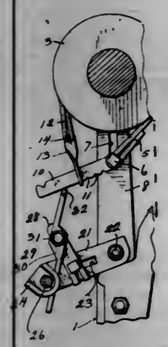
1. A dasher comprising a spider including a hub, arms radiating from said hub and having their outer ends inclined upwardly in converging relation, and a rotary agitator applied to the outer end of each of the arms and disposed to converge upwardly and flare downwardly.

1,487,561. MECHANICAL DEMONSTRATING DEVICE. PETER R. HAMMER, Dallas, Tex. Filed July 30, 1923. Serial No. 654,791. 9 Claims. (Cl. 35—16.)



1. A mechanical demonstrating device comprising a support a digit movably mounted thereon and constructed and arranged to simulate a human digit, and means to impart a wriggling movement to said digit.

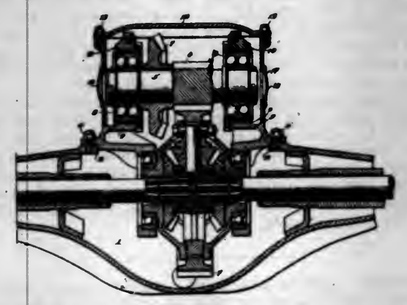
1,487,562. LET-OFF MOTION FOR LOOMS. LENNARD L. HAWKINS, Greenville, S. C., assignor of one-half to Charles T. Hughes, Greenville, S. C. Filed Oct. 7, 1922. Serial No. 592,984. 3 Claims. (Cl. 139—109.)



1. A let-off for looms, the combination with the yarn roller and whip roller, of a pulley on one end of the yarn roller, a brake band engaged about the pulley and having one end anchored, a pivoted lever connected with the other end of the band, a tensioned spring applying pressure to said lever for causing the band to grip the pulley, a stand mounted on the frame of the loom and supporting the whip roller, the stand being formed with a slot, an arm pivoted on the stand and having its upper end engaging against the underside of said lever and having its other end extending through said slot and engaging the whip roller.

1,487,563. DOUBLE-REDUCTION AXLE FOR MOTOR TRUCKS. WILLIAM G. HAWLEY, Elmira, N. Y. Filed Oct. 12, 1922. Serial No. 594,143. 6 Claims. (Cl. 74—99.)

1. A double reduction gear housing for driving axles of motor vehicles comprising the main axle housing, a jack-shaft housing secured thereto and having jack-shaft bearings and side orifices aligning with the jack-shaft



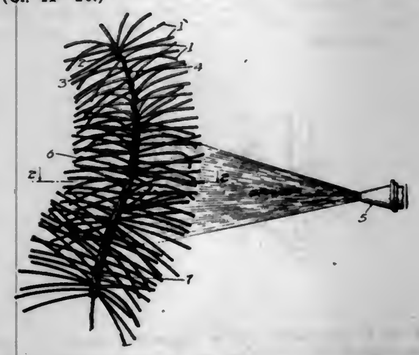
bearings for the introduction of the boring bar, said orifices being permanently sealed after the boring with suitable plugs.

1,487,564. AUTOMOBILE LUGGAGE CARRIER. ALFRED JOHN HAYDEN, Daytona Beach, Fla. Filed Apr. 21, 1923. Serial No. 633,733. 1 Claim. (Cl. 280—164.)



In combination, a vehicle having a running board supported upon haugers, a retaining wall hinged to said hangers, spring means to hold the retaining wall in vertical position at the edge of the running board, the upper portion of said hanger being cut away to allow the spring means to exert pressure upon the hinge portion when the retaining wall occupies both vertical and horizontal positions.

1,487,565. TINSEL. HUGO HELLER, Milwaukee, Wis. Filed Feb. 23, 1923. Serial No. 620,668. 5 Claims. (Cl. 41—10.)



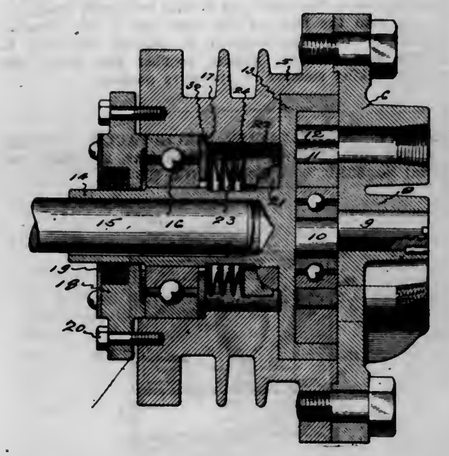
1. A tinsel having a central twisted stem and a plurality of metallic strips radiating therefrom, a portion of each of said strips being cemented to the central stem.

1,487,566. MOUTHPIECE FOR MUSICAL INSTRUMENTS. H BENNE HENTON, Philadelphia, Pa. Filed July 7, 1922. Serial No. 573,262. 1 Claim. (Cl. 84—383.)



A mouthpiece for musical instruments comprising a body formed with a facing surface for the reed, the opposite side of said body being formed with a slope terminating at the tip of the body, said slope being dished longitudinally on a curve extending toward said facing surface and receding therefrom toward the tip to form a relatively thick tip portion.

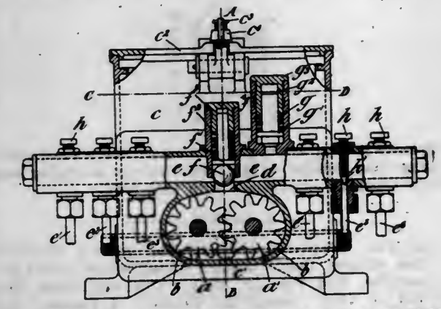
1,487,567. PACKING MEANS FOR ROTARY PUMPS. EBENEZER HILL, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y., a Corporation of Delaware. Filed May 1, 1923. Serial No. 635,852. 8 Claims. (Cl. 230—30.)



1. A rotary pump comprising a casing having a pumping chamber and a leakage cavity communicating with the pumping chamber, a rotor rotatably fitting said chamber and closing one end of the leakage cavity, a bearing for the rotor exterior to the pumping chamber and leakage cavity, and an expansible packing interposed and forming a wall between the leakage cavity and the bearing whereby fluid pressure leaking from the pumping chamber to the leakage cavity is prevented from escaping through the bearing and is caused to exert pressure against the back of the rotor.

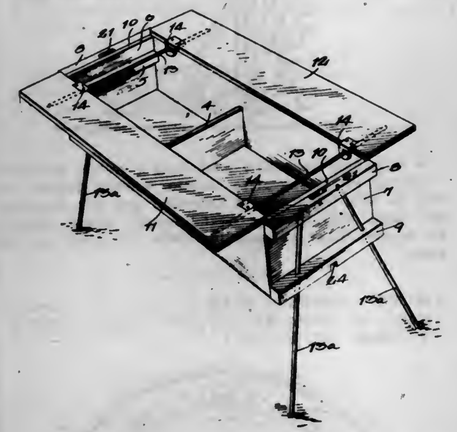
1,487,568. FORCE-FEED LUBRICATOR. ALFRED EDWARD HOWELL, Newcastle-upon-Tyne, England. Filed Apr. 26, 1921. Serial No. 464,678. 1 Claim. (Cl. 184—27.)

A lubricator construction of the class described including a casing constituting an oil reservoir, the bottom of which casing is provided with an opening, a gear pump housing communicating with the reservoir through said opening, a gear pump arranged within the housing, a distributing manifold arranged above the gear pump housing and communicating therewith through an opening, a sleeve piercing said manifold adjacent the opening connecting the same with the gear pump housing, a ball valve guided in the end of said sleeve, a spring within the sleeve for normally maintaining said ball seated over



the opening between the gear pump and the manifold, and a relief valve carried by and communicating with said manifold.

1,487,569. COMBINED LUNCH BOX AND PORTABLE TABLE. COLUMBUS I. HUDDLE, Porterville, Calif. Filed Sept. 21, 1922. Serial No. 589,694. 5 Claims. (Cl. 190—12.)

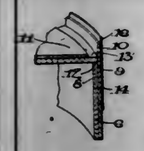


2. A combined lunch box and table comprising an open ended container, a pair of removably mounted table leaves adapted to be supported laterally and horizontally from a longitudinal side of the container, said leaves adapted to form a closure for the open end of the container when said container is used as a lunch box, a cover for the open end of the container and cooperating with the leaves when laterally supported to form a table top, means for supporting the leaves in a laterally extended position, and legs removably connected with the container for supporting the container and leaves in an elevated position, the cover being adapted to embrace the leaves when said leaves are positioned as a closure for the container.

1,487,570. CONTAINER. EDWIN F. HULBERT, Milwaukee, Wis., assignor to Master Package Corporation, Owen, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1922. Serial No. 609,686. 5 Claims. (Cl. 229—5.6.)

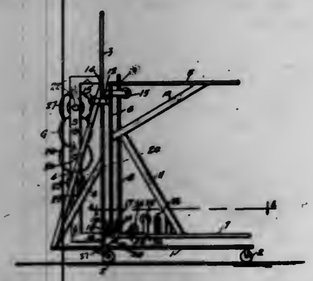
1. In a container, the combination, with a circular head, of siding including concentric inner and outer rings secured together, the outer ring extending beyond

the inner ring to form a chime and the outer edge of the inner ring forming a seat for the head whose pe-



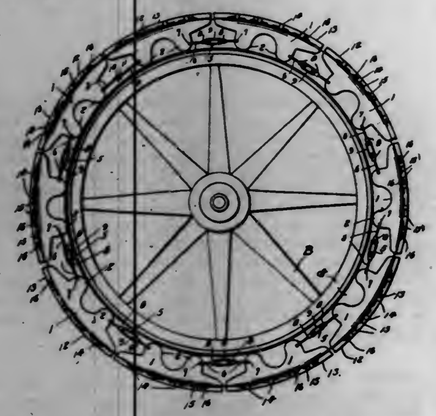
ripheral portion fits within said chime, and a sheet metal chime ring clamped to the outer ring and extending over into clamping engagement with said head.

1,487,571. LOADING APPARATUS. SAMUEL HURWITZ, Los Angeles, Calif. Refiling of application Serial No. 446,789, filed Feb. 21, 1921. This application filed Oct. 4, 1922. Serial No. 592,387. 6 Claims. (Cl. 187—11.)



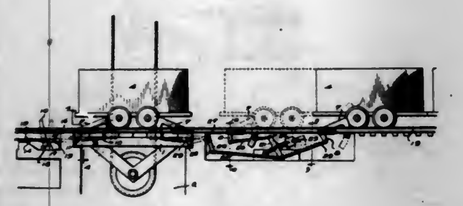
4. A loading apparatus comprising a frame, platforms vertically movable relative thereto, winding means carried by said frame, and a reduction gear for operating the same, said winding means having cables adapted to engage either of said platforms for elevating the same.

1,487,572. ANTISKID DEVICE. ALLEN B. HUSELTON, Butler, Pa. Filed Mar. 20, 1923. Serial No. 626,343. 2 Claims. (Cl. 152—14.)



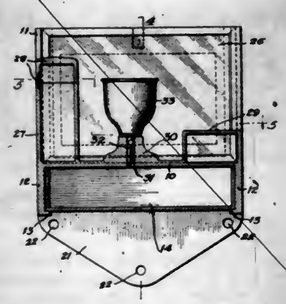
2. A traction device including a shoe for application against a tire, a calk on said shoe, said calk having a main bar and branches extending therefrom, webs integral with the main bar and branches, and fastening means passing through the webs and the shoe.

1,487,573. MINE-CAR-LOADING DEVICE. HARRY INGRAM, Marion, Ill. Filed Feb. 9, 1922. Serial No. 535,375. 4 Claims. (Cl. 214—126.)



1. A mine car loader comprising a pair of pivotally mounted locking members arranged adjacent the bottom of a mine cage shaft and spaced from each other, means for normally retaining the adjacent member in locked position and the remote member in released position, a pivoted lever connected to each of said locking members, a bell crank lever having one end operatively connected to said first lever, the other end of said bell crank lever projecting into the path of the cage, and a trip member carried by the cage adapted to depress said arm to release said adjacent locking member and move said remote locking member to operative position.

1,487,574. COMBINATION RECEPTACLE. WALTER SCOTT JORDAN, Alvo, Nebr. Filed Mar. 27, 1923. Serial No. 628,088. 4 Claims. (Cl. 206—1.)

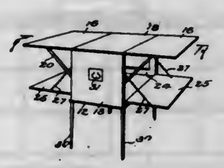


1. In a receptacle of the character set forth, a body defining a drawer slide, a drawer mounted therein, an upstanding case having a hinged closure for the reception of cigarettes, a horizontal compartment for the reception of a match box, an upstanding bearing boss, a removable ash tray, means on the ash tray for frictionally associating the same with the bearing boss, and a vertical wall having guides in its opposite faces for holding a mirror and for receiving a license card.

1,487,575. COMBINED CARRYING CASE AND ARTICLE OF FURNITURE. ALBERT F. KANTHACK, St. Paul, Minn. Filed Oct. 18, 1922. Serial No. 595,384. 4 Claims. (Cl. 190—12.)

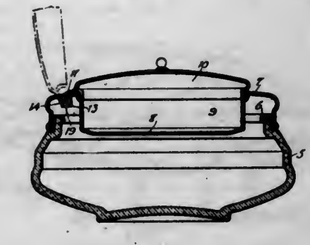
1. A combined carrying case and article of furniture comprising a box-like body having open sides and an open upper end, a top hinged to said body for covering the upper end, inner and outer side walls hinged to

said body and adapted to overlap one another for closing the open side, the outer side walls being hinged for upward swinging movement to a horizontal plane in alignment with the top and the inner side walls being hinged



for downward swinging movement to a horizontal plane in alignment with the bottom, and independent means for respectively retaining said inner and outer side walls in their opened positions.

1,487,576. TOILET ARTICLE. WILLIAM G. KENDALL, Newark, N. J. Filed Mar. 1, 1923. Serial No. 622,175. 2 Claims. (Cl. 215—6.



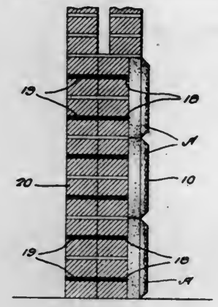
1. In combination with a container and its cover, a second container formed in the cover, a plurality of depending ears projecting inwardly of said cover, a pintle carried thereby, and a hinged cover for said second container, said hinged cover having projecting portions adapted to be rolled past the pintle to form means for pivotally mounting said hinged cover.

1,487,577. SLIDING-PRONG BUCKLE. ALLEN H. KERNGOOD, Baltimore, Md., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Nov. 22, 1923. Serial No. 676,318. 5 Claims. (Cl. 24—179.)



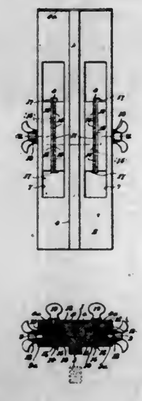
1. A sliding prong buckle, having a frame constructed with a cross bar, and a pronged tongue made as a one piece structure, rigid throughout and mounted to slide back and forth on said cross bar in a right line, means to connect the cross bar and tongue and maintain them in operative position, and means mounted in the frame and engaging the tongue to impart thereto the right line movement back and forth in the frame.

1,487,578. BLOCK. EMERSON H. KIRKPATRICK, Fort Collins, Colo. Filed Apr. 14, 1922. Serial No. 552,492. 1 Claim. (Cl. 72—19.)



The combination with a building block having a crushed rock veneer face, of spaced reinforcing elements embedded in the block and extending longitudinally thereof, one of the elements being formed with eyes which project beyond one face of the block for a slight distance and tie rods provided with eyes coacting with the first mentioned eyes for holding the blocks in walled formation.

1,487,579. GAUGE. JOSEPH KURCZEWSKI, Detroit, Mich. Filed May 29, 1923. Serial No. 642,250. 6 Claims. (Cl. 33—197.)



1. In a gauge of the type described, a frame block having spaced pockets therein, a gauge block adjustably mounted in each pocket, each gauge block having a longitudinal groove in the exposed side thereof, marking spurs removably mounted in the block groove, a retaining strip for the spurs and means for clamping the spurs and retaining strip in the block groove.

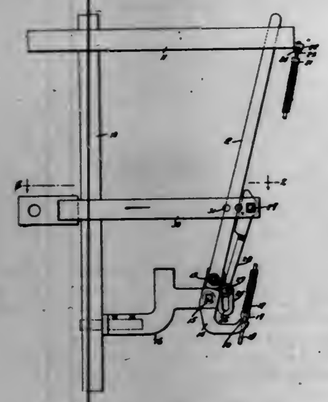
1,487,580. PEN AND PENCIL CASE. FRANK KURGAN, Holyoke, Mass. Filed Oct. 19, 1922. Serial No. 595,567. 1 Claim. (Cl. 120—23.)

In a device of the class described, a body portion having a receptacle therein, a bearing pin carried by the body portion, a cover for the receptacle having a slotted opening therein receiving the pin, a shoulder at one end

of the body portion adapted to be engaged by the free end of the cover, said shoulder having a socket therein and a lug carried by the end of the cover adapted to be received in the socket, the underside of the cover having a cut-away portion adjacent its pivoted end with angularly disposed shoulders at one end of the cut-away portion, and a lever plate pivoted on the bearing pin within the cut-away portion of the cover and having angularly disposed end walls engaging the shoulders of the cut-away portion to lock the cover on the body portion against sliding movements.

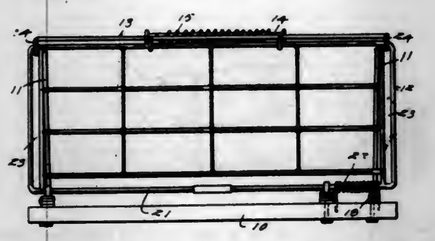


1,487,581. PICKER MOTION. ADOLPHUS H. LANDRY, Lowell, Mass. Filed Oct. 12, 1921. Serial No. 507,227. 1 Claim. (Cl. 139—152.)



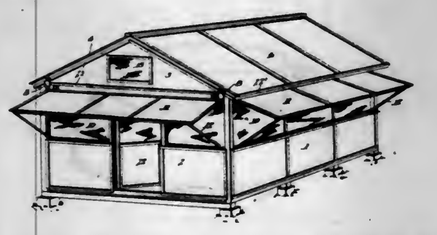
A picker motion including a picker staff, a pivotally mounted holder to which the picker staff is secured, a rod having support at its lower end on said holder, means to secure the upper end of the rod to a lay, a lever adjustably fulcrumed and disposed alongside of said picker staff, and means to actuate said lever.

1,487,582. FOLDING CRATE. WILLIAM O. LATTA and JOHN A. PLUNK, Michie, Tenn. Filed Oct. 3, 1922. Serial No. 592,051. 7 Claims. (Cl. 220—6.)



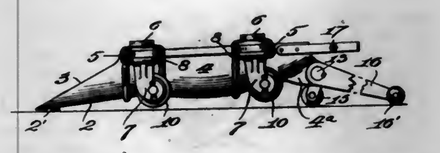
1. A folding crate having a base, inwardly foldable end and side walls and a top wall carried by the side walls and having an interlocking sliding connection at its extremities with said side walls, the side walls having outwardly swinging or expanding actuating springs.

1,487,583. PORTABLE BUILDING. ANDREW LOEFFLER, Cleveland, Ohio. Filed Aug. 23, 1921. Serial No. 494,564. 2 Claims. (Cl. 20—2.)



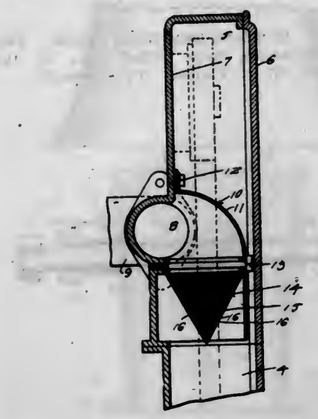
1. A portable dwelling comprising a plurality of relatively connected sections presenting respectively a floor, side and end sections, gables and roof, the said side and end sections presenting floor-attaching elements at their lower edges and roof-attaching elements at their upper edges, the said roof-attaching elements of the said end sections presenting gable-receiving spaces for receiving and maintaining the said gable sections in position between the roof and end sections.

1,487,584. AUTO TRUCK OR DOLLY. THOMAS J. McCARTHY, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 553,181. 1 Claim. (Cl. 280—44.)



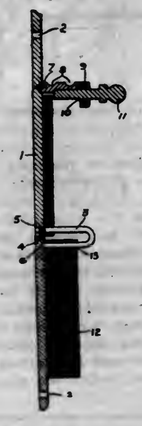
A dolly adapted to receive and support a wheel of a vehicle and being provided at one end with an entrance runway inclining downwardly at the front, a crank shaft journaled across the opposite end of the dolly and provided with crank arms extending rearwardly and provided with an intermediate crank or cam element adapted to be shifted down into dolly elevating position, the said pads and said element forming non-rolling supports to prevent the dolly rolling when the wheel is run onto the dolly.

1,487,585. OIL-VAPOR BAFFLE BOX. THOMAS M. McKELVY, Fresno, Calif. Filed Apr. 10, 1922. Serial No. 551,430. 3 Claims. (Cl. 183—1.)



2. In combination with a chamber having a passageway in communication with the fuel line of an internal combustion engine and open at one side thereof, an oil trap means consisting of a screen disposed in the path of travel of oil vapor to said passageway, a deflector plate extending upwardly from the screen adjacent one side thereof and over the screen and terminating adjacent the plane of the other side of and above the screen to deflect material to said passageway, and fastening means extending through the deflector and screen into the chamber and adjacent the base of said passageway.

1,487,586. MEMORANDUM-PAD HOLDER. NICOL MACNICOL, Kamloops, British Columbia, Canada. Filed June 6, 1923. Serial No. 643,761. 1. Claim. (Cl. 40—119.)



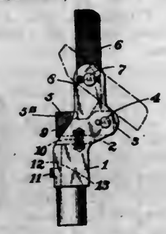
A combined memorandum pad and pencil support comprising a base plate, means for supporting the pad on the base plate in such manner that each leaf of the pad may be separately swung from a depending to a reverse position, and means for retaining the leaves in the last mentioned position comprising a pencil supporting shelf projecting outwardly from the base plate at a suitable point above the depending leaves, a plate secured to and depending below the outer edge of said shelf, said plate being formed with an opening aligned with a guide groove provided in the underside of the shelf, a plug arranged to slide in said groove and through said opening, and a knob at the outer end of said plug.

1,487,587. STRAW CUTTER. JOSEPH MELEG, Beaver Falls, Pa. Filed Sept. 21, 1922. Serial No. 589,605. 2 Claims. (Cl. 30—8.)



1. In a foot rest for tools, the combination with a handle shank having a slot extending longitudinally thereof, a plurality of laterally extending openings with recesses at their outer ends communicating with one side of said slot, and a plurality of inclined openings with recesses at their outer ends communicating with the other side of said slot and in staggered relation to the first mentioned openings, of a foot rest consisting of a horizontal portion and a vertical leg formed integrally therewith, a headed bolt carried by the horizontal portion adapted to selectively engage the inclined openings and a headed bolt carried by the vertical leg adapted for selectively engaging the laterally extending openings for holding said foot rest in adjusted positions in respect to the length of the shank.

1,487,588. ROTARY BACK-UP POST. WILLIAM J. MILLER, Sulphur, La., assignor to C. E. Reed, Houston, Tex. Filed Jan. 3, 1922. Serial No. 526,615. 4 Claims. (Cl. 255—35.)

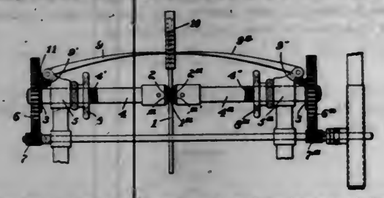


1. A back-up post for the rotary of well drilling apparatus comprising a main portion furnishing a support and a bearing member at the upper port of said support pivoted thereto to one side of the vertical axis thereof, and means for holding the bearing member in substantially upright position, substantially as described.

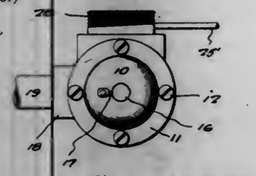
1,487,589. MACHINE FOR MILLING TOOTH SOCKETS IN SAW BLADES. JAMES H. MINER and THOMAS C. MUSTIN, Meridian, Miss. Filed July 31, 1920. Serial No. 400,344. 5 Claims. (Cl. 90—14.)

1. In a milling machine for milling sockets in saw blades to receive insertable or removable teeth, the com-

bination with a pair of lengthwise movable shafts and milling cutters carried thereby of indicator means associated with each shaft and arranged to be moved by the lengthwise movement of such shaft.

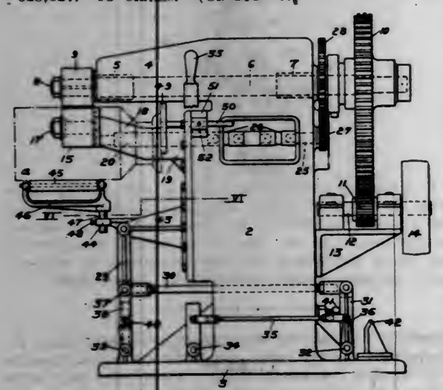


1,487,590. GAS-ENGINE ATTACHMENT. GUY R. MOATS and CLAUDE B. REXROAD, Harrisville, W. Va. Filed Feb. 28, 1923. Serial No. 621,873. 3 Claims. (Cl. 48—180.)



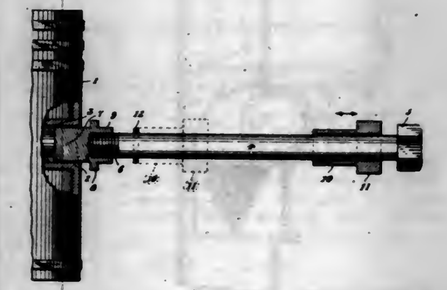
2. In a gas and air mixer for gas engines, a mixing chamber having a port connected with the gas intake of a gas engine, a gas inlet providing a valve seat in the chamber below the port, a frusto-conical valve on the seat having a disk head and a kerfed stem, and whose combined weight normally retains the valve seated, guide means for the valve stem, spring means in the path of contact with the stem for exerting an impelling force thereagainst to quickly seat the valve when the latter has been moved too far off of its seat by the suction of the engine, an air inlet sleeve having an inwardly flared mouth disposed below the disk head of the valve to direct air currents through the passage therebetween into the mixing chamber, and likewise to direct such air currents against the under face of the disk head of the valve, a choke valve in the sleeve, operating means therefor, and means holding the sleeve adjusted with respect to the valve head.

1,487,591. EMBOSSING MACHINE FOR MILK CANS. JOHN NAGY, West View, Pa., assignor to Pittsburgh Stamp Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 16, 1923. Serial No. 625,627. 13 Claims. (Cl. 101—7.)



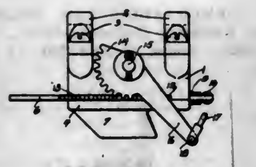
1. An embossing machine for cans having a pair of coacting cylindrical stamping rollers, means for continuously maintaining them in driving connection and in parallelism, and means for adjusting one roller with relation to the other.

1,487,592. BUSHING-REMOVING TOOL. LOUIS NOVOTNY, Valparaiso, Nebr. Filed June 14, 1923. Serial No. 645,337. 3 Claims. (Cl. 29—88.2.)



1. In a bushing removing tool for pistons, a rod having an integral head at one end, a removable head having an outwardly directed annular flange carried by the other end of the rod, a transverse pin carried by the rod adjacent the removable head and a block slidable on the rod between the integral head and pin to forcefully strike the pin and move the removable head into engagement with a bushing.

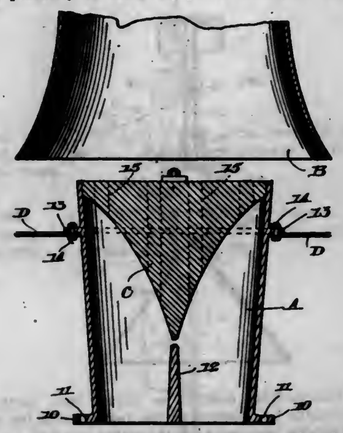
1,487,593. CUT-OUT VALVE. LESTER P. PATTON, Bucyrus, Ohio. Filed Apr. 25, 1923. Serial No. 634,583. 2 Claims. (Cl. 251—114.)



1. In a device of the character described, a body adapted to be secured about an exhaust pipe and provided with an outlet opening through its bottom wall, a bottom plate secured on the body, and provided with an outlet opening in alignment with the opening through the bottom wall of the body, a valve plate slidable between the body and the botom plate, said valve plate being provided with an opening, means for normally holding the valve plate in position with the opening thereof out of alignment with the opening through the bottom wall of the body, a rack carried by the valve plate, and a gear rockably mounted on the body and meshing with said rack for moving the valve plate into position to bring the opening thereof into alignment with the openings through the bottom plate and the bottom wall of the body when the gear is rocked in one direction.

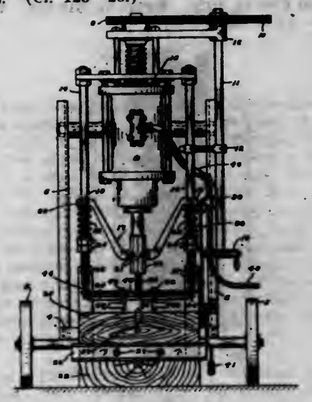
1,487,594. EXHAUST SPREADER FOR LOCOMOTIVE ENGINES. JOHN VINCENT PAUL, Verdun, Quebec, and CHARLES ALAN NORTON, Sunny Brae, New Brunswick, Canada. Filed Sept. 13, 1922. Serial No. 588,018. 2 Claims. (Cl. 162—4.)

1. An exhaust steam spreader for locomotive engines comprising an exhaust pipe, a bridge wall, a conical spreading member extending from above the bridge having its peripheral edge fitting snugly against the wall of the exhaust pipe, the conical surface of the spreader being concave in cross section, the spreader being formed with a plurality of radiating ports, each port increasing



in width from the centre outwardly, a pair of ears on the exhaust pipe, and lugs on the spreader engaging the ears.

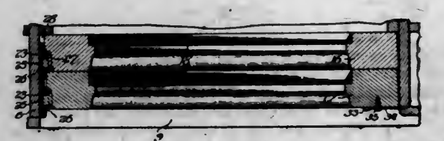
1,487,595. MACHINE FOR SPLITTING OR BREAKING PAVING BLOCKS. JOSEPH PETERMANN, Philadelphia, Pa. Filed Sept. 17, 1921. Serial No. 501,236. 3 Claims. (Cl. 125—23.)



1. In a machine for splitting or breaking paving blocks the combination with a vehicular underframe and a power actuated tool adjustably mounted thereon, of an anvil adjustably connected thereto, a notched wedge shaped member projecting above and seated in a pocket in the upper face of said anvil in direct alignment with the power actuated tool, a sled for supporting said anvil removably anchored to the vehicle underframe, a V-shaped yoke having lateral flanges through which pass the power actuated tool guide rods, compression springs between said lateral flanges and lock nuts threaded on the guide rods, said yoke being secured to the tool holder whereby the latter is prevented from turning, and means for varying the stroke of the tool.

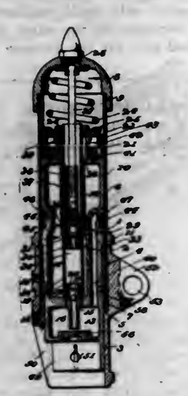
1,487,596. WINDOW MOUNTING. PHILIP G. PFEIL, Chicago, Ill. Filed June 16, 1921. Serial No. 477,884. 2 Claims. (Cl. 20—50.)

1. The combination of a window frame provided with an outer window stop only, the jambs of the frame from said outer stop to the inner edge of the frame being devoid of stops, a pair of upright guideways fixed to one side of said frame, a slide working in each guideway, a pair of sashes slidably disposed in contiguous relation in said frame and hinged at their extreme outer edges to said slides, respectively, the inner sash when in position for normal sliding movement maintaining the outer sash in engagement with said stop, window weights



attached to the hinged sides of said sashes and adapted to counterbalance said sashes, the opposite sides of the sashes being devoid of connection to any counterbalance weights and adapted to swing inwardly away from the frame, and adjustable means detachably and slidably connecting the inner sash only with the frame for maintaining said inner sash in position for its normal sliding movements.

1,487,597. SHOCK ABSORBER. FRANKLIN EMERY POINDEXTER, St. Louis, Mo., assignor, by mesne assignments, to Benjamin S. Davidson, Denton, Tex. Filed Nov. 16, 1920. Serial No. 424,490. 7 Claims. (Cl. 267—64.)

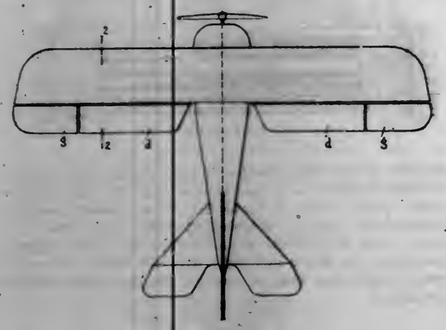


1. A fluid pressure device comprising a casing, a plunger therein, said plunger being formed to provide an oil reservoir, and a storage chamber arranged below such reservoir, pumping elements carried by the casing and plunger, an oil duct extending lengthwise the plunger and opening thru the side wall of the plunger at one end and into the storage chamber at the opposite end, said duct serving to transfer excess oil from between the plunger and casing to the storage chamber, and packing carried by the plunger to cooperate with the casing above and below the upper opening of the oil duct.

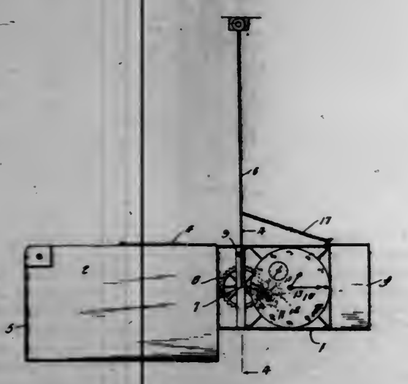
1,487,598. APPARATUS FOR INCREASING THE RANGE OF SPEED OF AEROPLANES. PIERRE JEAN RENÉ POSTEL-VINAY, Paris, France, assignor to Société des Moteurs Salmson (Systeme) Canton Unne, Billancourt, Seine, France. Filed Dec. 20, 1918. Serial No. 267,723. 2 Claims. (Cl. 244—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. An aeroplane comprising in combination: rigid wings, rigid ailerons or balancing flaps hinged by their respective forward edges to the outer portions of the

rear edges of the wings, respectively and rigid cambering flaps independent of said ailerons hinged by their forward edges to the rear edges of said wings inside the ailerons and capable of being moved from a position in which they constitute a continuation of the general profile of the wing into another position wherein they constitute a raised trailing edge for the wing, means controlled by the pilot for oscillating the ailerons in reverse directions, and means controlled by the pilot and acting simultaneously upon said rigid cambering flaps alone to cause them to oscillate in the same direction, substantially as described and for the purpose set forth.



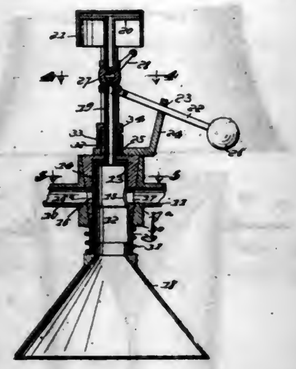
1,487,599. AUTOMATIC FEEDER. EDWIN F. POTTER, Woodbridge, N. J. Filed Dec. 28, 1922. Serial No. 609,417. 3 Claims. (Cl. 161—10.)



1. An automatic feeder comprising a frame pivoted intermediate its ends, a container at one end of the frame for receiving the feed, a counterbalance at the opposite end of the frame, and a clock mechanism mounted upon the frame and adapted to release the latter at a predetermined time.

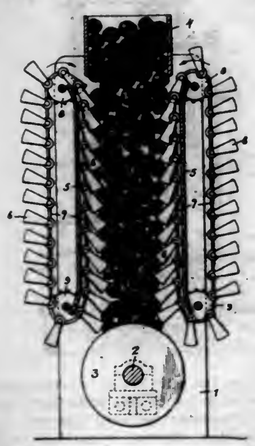
1,487,600. SHOWER-BATH VALVE. WELBY POWELL, Sewellton, Ky. Filed Aug. 11, 1921. Serial No. 491,471. 9 Claims. (Cl. 137—139.)

1. A valve mechanism comprising a casing provided with ports for connection respectively to hot and cold water supply pipes, a valve operatively mounted in said casing and ported to expose in either of its extreme open positions one or the other of the ports in said casing



and in intermediate position to expose both ports, and means actuable by pressure in the valve casing for effecting progressive movement of the valve member.

1,487,601. WOOD GRINDER. PAUL PRIEM, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a Corporation of New York. Original application filed June 12, 1922, Serial No. 567,778. Divided and this application filed Feb. 10, 1923. Serial No. 618,328. 7 Claims. (Cl. 83—75.)



1. In a wood grinder, a grind stone, an associated hopper for a charge of wood blocks, and means engaging a side of the charge for forcibly feeding the latter against the grind stone, said means comprising an endless carrier rotating continuously in one direction and thrust blocks mounted thereon and engaging a side of the charge, and serving by variation of inclination as they approach the stone to compact the charge.

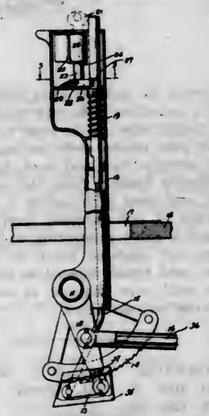
1,487,602. SHOE-LACE TIP. WYLLIS F. W. PULVER, Rensselaer, N. Y. Filed Aug. 23, 1921. Serial No. 494,699. 1 Claim. (Cl. 24—143.)

A lacing tip consisting of a rolled blank of oblong form provided at one side edge with a spur and at its

rear edge with a plurality of spurs for penetrating the lace, the spurs at the rear end of the blank being arranged respectively at the side edge carrying the first named spur and at a point about mid-way of the width of the blank.

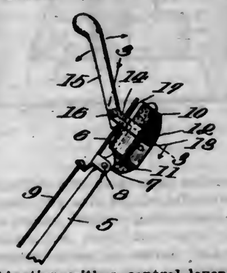


1,487,603. AUTOMOBILE LOCK. JOSEPH RATTO, Brooklyn, N. Y. Filed Sept. 13, 1921. Serial No. 500,325. 2 Claims. (Cl. 70—132.)



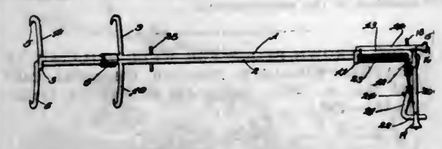
1. A lever controlling mechanism comprising a casing having a transverse partition defining a pair of chambers, one of which is adapted for the reception of the rear end portion of the lever and the controlling member of the lever, a latch slidably carried by said partition and adapted for locking engagement with said pawl controlling member, a leaf spring connected at one end of said partition and at the other end to said latch for urging the latch out of engagement with said pawl controlling member, a lock in the other chamber and having a lock plug provided at the forward end thereof with a cam face adapted to contact with and operate said latch, and means mounted on said lock plug for limiting the rotation of the lock plug.

1,487,604. EXTENSION LEVER. WILLIAM A. RIDEOUT, Oshkosh, Wis. Filed June 28, 1923. Serial No. 648,249. 2 Claims. (Cl. 74—39.)



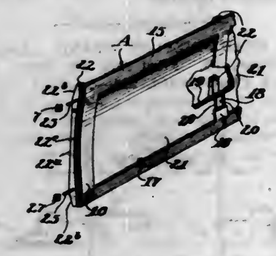
1. The combination with a control lever having a grip lever, of a sleeve mounted on the control lever, straps connected to the sleeve, and an extension lever pivotally connected to the straps and adapted to be operated for actuating the grip and control levers.

1,487,605. TRAP. DANIEL W. RISLING, Mission Hill, S. Dak. Filed Aug. 11, 1922. Serial No. 581,271. 4 Claims. (Cl. 43—91.)



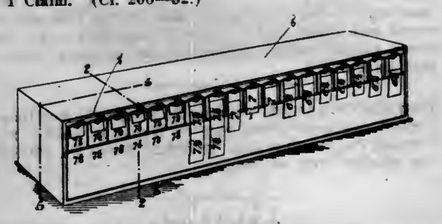
4. In a trap, a pair of parallel rods, arcuate gripping jaws formed on said rods, one of said rods being bent to provide a plurality of bearing eyes through which the other rod rotatably extends, said rod having said bearing eyes thereon having its end remote from said jaws extended laterally, a spring connected to said rods for urging said jaws into animal gripping position, and a latch rod carried by said laterally extended end, said second named rod having its end adjacent to said laterally extended end bent transversely for providing a length adapted to be engaged by said latch rod, a second latch rod adapted to engage over said first named latch rod, a hook formed upon one end of said second named latch rod, and a trigger movable longitudinally of said first named rods and looped for engagement with said hook, said trigger having an abutment projection formed thereon adapted to be engaged by the rodent passing between said jaws.

1,487,606. SIGN HOLDER. JOHN C. ROBESON, Los Angeles, Calif. Filed July 27, 1923. Serial No. 654,129. 7 Claims. (Cl. 40—125.)



2. A sign card holder, comprising a frame having openings therein, a backing plate, and spacing strips between the backing plate and frame for maintaining the two in spaced relation to each other to form pockets, the front side of said bars being concave for the purpose described.

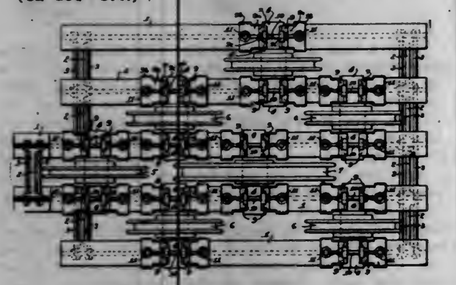
1,487,607. LABEL HOLDER. JOSEPH S. ROSEN, New York, N. Y. Filed Feb. 7, 1923. Serial No. 617,507. 1 Claim. (Cl. 206—52.)



In a label holder, a series of rolls, each roll being marked throughout its length with one size and being gummed on the rear surface thereof, said rolls being held in a series of upright cartons, there being an opening in each carton to permit the detachment of any part of said rolls, a carton for holding said series of

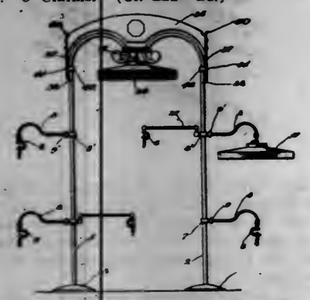
rolls and having an opening registering with the entire series of openings in the containers for the individual rolls, the walls of the inner cartons practically closing the opening in the outer carton.

1,487,608. CROWN BLOCK FOR WELL-DRILLING APPARATUS. WILLIAM B. ROWLAND, Bakersfield, Calif. Filed Mar. 6, 1923. Serial No. 623,145. 5 Claims. (Cl. 254—190.)



1. A crown-block comprising spaced, parallel, flanged beams; a sheave-sustaining shaft resting upon said beams; clamps embracingly fitted to the shaft said clamps having flat-foot-portions resting on the beams with hooks slidably embracing the beam-flanges, adapting said clamps for adjustment along said beams, to vary the position of the shaft thereon; and set screws fitted to the clamp foot-portions for fixing the clamps on the beams in adjusted position.

1,487,609. SHADE-DISPLAY STAND. JOHN S. SAMMONS, Chicago, Ill. Filed Aug. 19, 1922. Serial No. 583,020. 5 Claims. (Cl. 211—24.)



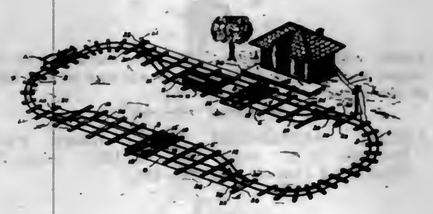
1. In a display stand, standards, a plurality of arms, pivotally carried by said standards for movement in horizontal planes, and combined lamp bulb socket and shade supports carried by the free ends of said arms, said standards having their upper ends curved inwardly towards each other, and a combined lamp bulb socket and shade support rigidly carried by the inturned ends of said standards.

1,487,610. WASHER. ALBERT F. SCHATZEL, San Diego, Calif., assignor of one-half to Irving M. Smith, San Diego, Calif. Filed Sept. 27, 1922. Serial No. 590,881. 8 Claims. (Cl. 85—50.)



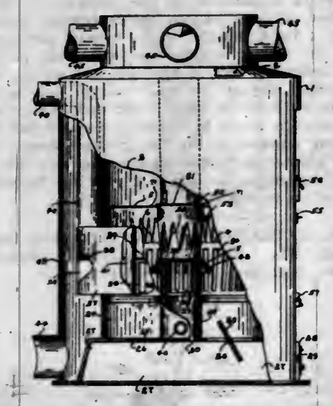
1. A washer of the character described comprising a band having cutting means, said band providing a tapered body to receive the head portion of a screw.

1,487,611. TOY TRACK. RUDOLPH H. SCHEIBERT, Cincinnati, Ohio, assignor of one-fourth to Nancy C. Shelton, Covington, Ky., and one-fourth to Cora A. McClanahan, Cincinnati, Ohio. Filed Nov. 2, 1922. Serial No. 598,679. 6 Claims. (Cl. 246—83.)



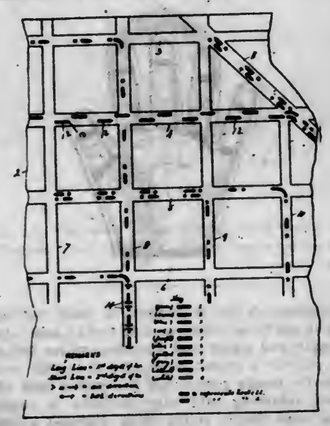
1. In toy tracks, an endless main track having a positive rail and a negative rail, said rails connected to a source of electricity, side tracks each having a switch at each end, said side tracks each having a negative rail and a divided positive rail and each having an electric switch, a conductor leading from the main positive rail to each switch and from each switch to the positive rail of the side track, a car operated lever at each end of each switch and a cable connecting each electric switch lever with the car operated lever at each end of the switch, cars on said tracks headed in opposite directions and means on said cars adapted to engage and throw said car operated switch levers.

1,487,612. FURNACE. THEOSIS C. SEBRING, Morenci, Mich. Filed Mar. 7, 1921. Serial No. 450,274. 9 Claims. (Cl. 126—99.)



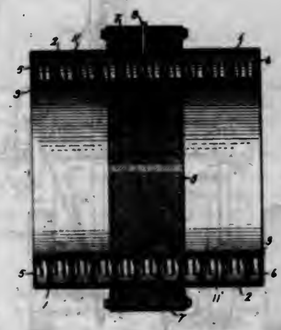
7. A fuel burning apparatus embodying a fire pot, an air chamber centrally of the fire pot around which the fuel is burned and having vertical hollow bars, a double-walled member below said bars for supplying air into said chamber and having a space between the walls thereof communicating with said bars for the flow of air through the bars, said bars being spaced apart for the flow of air from within said chamber between the bars into the fuel, and means for the flow of air through said space and bars.

1,487,613. ROUTE OR GUIDE MAP. GEORGE W. SHAW, Philadelphia, Pa. Filed Mar. 21, 1923. Serial No. 626,460. 3 Claims. (Cl. 283—34.)



1. A guide system comprising a map, representing the routes of travel each designated by a numeral and long and short colored lines having numerical digit values arranged in numerical sequence on said routes to indicate each respective route number.

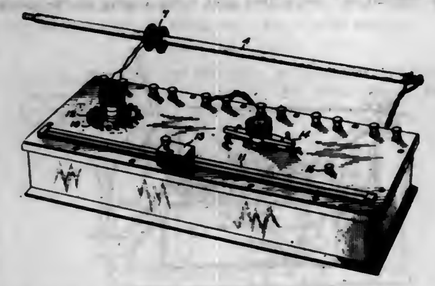
1,487,614. REACTANCE COIL. ERIK G. SOHLBERG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 26, 1923. Serial No. 621,148. 11 Claims. (Cl. 171—242.)



7. A reactor comprising a conductive coil collapsible under the influence of the magnetic field induced by a current in the coil, and means for supporting and guiding the turns of the coil as the coil collapses.

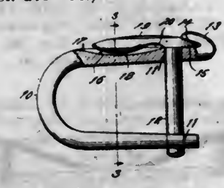
1,487,615. ALTERNATING-CURRENT POTENTIOMETER. BYRON W. ST. CLAIR and STEPHEN C. HOARE, Lynn, Mass., assignors to General Electric Company, a Corporation of New York. Filed Oct. 18, 1922. Serial No. 595,359. 3 Claims. (Cl. 175—183.)

3. An instrument for measuring coil turns comprising a pair of air core transformers adapted to have their primaries connected in series to a source of alternating current, a calibrating resistance and a graduated resistance in the secondary circuit of one of said transformers, said graduated resistance comprising a slide wire and a multiple section resistor in series, each section of said resistor being of equal resistance and less than that of said wire, a coil to be measured constituting the secondary of said other transformer arranged to be electrically balanced across a portion of said graduated resistance when the primaries of said transformer are energized,



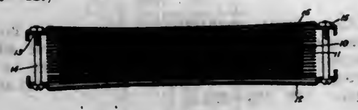
the value of said calibrating resistance being such that the portion of the graduated resistance across which said coil is balanced is a direct indication of the numbers of turns in said coil.

1,487,616. CLEVIS. VERNER T. STOCKTON, Okemah, Okla. Filed Dec. 2, 1921. Serial No. 519,445. 3 Claims. (Cl. 278—96.)



1. A clevis having a pin opening and a depression on one side of the opening and provided with sloping walls, a locking lip integral with the clevis and on the opposite side of the pin opening, a clevis pin associated with said clevis, said pin having a shank penetrating the clevis between the depression and the locking lip and a tensionable head carried by the shank and extended on opposite sides thereof to provide a locking tongue engageable under the said locking lip and a spring extension engageable with the depression, said extension riding easily over the sloping walls of the cavity as the tongue is alternately swung into and out of engagement with the said locking lip.

1,487,617. ELECTRICAL APPARATUS. DONALD C. STOPPENBACH, New York, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,243. 3 Claims. (Cl. 250—41.)

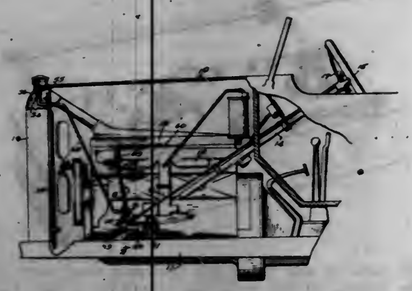


1. In a condenser, alternate sheets of conducting and insulating material, and means comprising resilient plates between which said sheets are held for forcing said sheets together with a pressure which is uniform throughout their area.

1,487,618. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JOHN STUTIKA, West Pullman, Ill. Filed June 26, 1922. Serial No. 570,879. 6 Claims. (Cl. 123—25.)

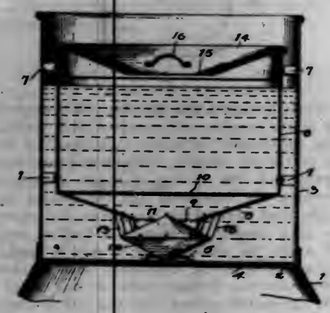
1. The combination with an internal combustion engine having an intake manifold, of a valve casing, an auxiliary gasoline tank, means for connecting said tank to said

valve casing, a pipe for connecting said valve casing to a source of water supply, a check valve arranged in said pipe, means for normally closing said check valve, a conduit for connecting said valve casing to the intake



manifold of the engine, a control valve arranged in said valve casing, said control valve being provided with openings of varying sizes, and means for operating said control valve.

1,487,619. APPARATUS FOR THE CLEANING OF CLOTHES AND THE LIKE. CHARLES EDWIN TAYLOR, Rocksprings, Tex. Filed Oct. 29, 1921. Serial No. 511,271. 6 Claims. (Cl. 68—30.)



2. In a device of the character described, a body having a socket formed on its bottom, a holder secured in spaced relation to the body, and a baffle arranged in spaced relation below the center of the holder and seated within the said socket.

1,487,620. WIRE TERMINAL. GEORGE B. THOMAS, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 17, 1920. Serial No. 431,403. 6 Claims. (Cl. 173—259.)



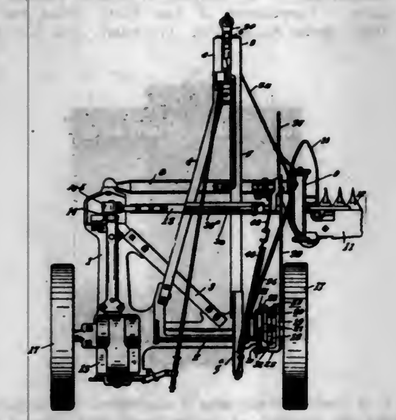
1. A wire terminal comprising a standard with integral base and top flanges offset therefrom in the same direction, said standard being divided by a slot extending between said flanges, and the flanges notched in register with said slot to accommodate a wire.

1,487,621. SCRUBBING DEVICE. JOSEPH THOMAS, Aberdeen, Wash. Filed Oct. 11, 1922. Serial No. 593,853. 1 Claim. (Cl. 15—227.)



A scrubbing device comprising a body having finger and thumb portions corresponding to the hand, the edges of the body and finger and thumb portions being curled back to provide a pocket to receive the hand, and transverse elastic straps connecting the curled back edge portions and retaining said edge portions in their curled positions, said elastic strips being disposed at the bases of the thumb and finger portions and also near the forward ends thereof.

1,487,622. MOWING MACHINE. WALLACE S. THOMAS, Springfield, Ohio, assignor to The Thomas Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 5, 1921. Serial No. 520,114. 12 Claims. (Cl. 56—273.)



1. In a mowing machine, the combination, with cutting devices, of a continuously rotating ratchet wheel, a pawl lever mounted to oscillate at the side of said wheel and having a connection with said cutting devices, a pivoted pawl carried by said lever, means for throwing said pawl into engagement with said wheel, means for throwing said pawl out of engagement with said wheel, after a predetermined movement thereof, a detent to engage said lever to hold it in the position to which it is moved by said ratchet wheel, and means for releasing said detent.

1,487,623. TIRE PROTECTOR. MORRIS THOMPSON, Nyack, N. Y. Filed Mar. 8, 1923. Serial No. 623,726. 1 Claim. (Cl. 152—18.)

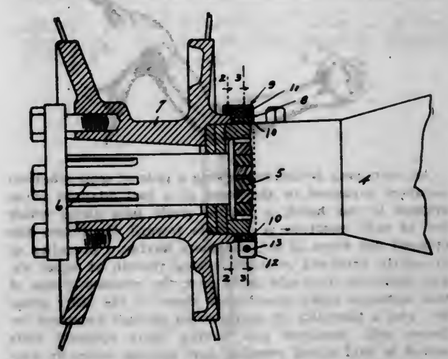
A tire protector consisting of an annular metallic band arcuate in cross section, spurs on said band and adapted

to project through and beyond a tire casing and be disposed in the casing substantially throughout the length



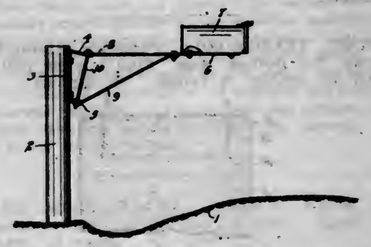
of the spurs, the side edges of the band being substantially feather, and a lining on the inner surface of the band.

1,487,624. DUST GUARD. TOLLAK TOLLEFSON and GEORGE MERKLIN, Bonilla, S. Dak. Filed Apr. 26, 1920. Serial No. 376,492. 4 Claims. (Cl. 301—123.)



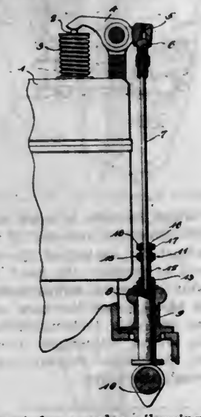
1. A dust guard comprising main and supplemental clamping bands, and main and supplemental pliable linings, the main lining being secured within the main clamping band and the supplemental lining being interposed between the main and supplemental clamping bands, said supplemental clamping band and lining being secured to said main clamping band and extended outward of one edge of the main lining, and means for securing said parts in operative position.

1,487,625. MAIL-BOX BRACKET. TOLLAK TOLLEFSON, Bonilla, S. Dak. Filed Nov. 20, 1922. Serial No. 601,966. 2 Claims. (Cl. 232—40.)



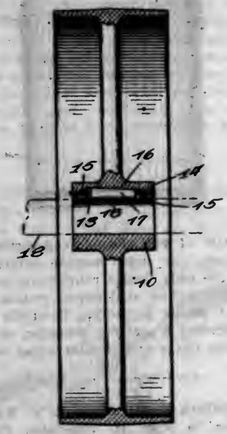
1. A mail box structure comprising a support, a bracket rigidly secured thereto in a vertical position having outwardly projecting vertically spaced arms, the upper arm being longer than the lower arm, a rotatable spindle journaled in said arms and inclining outwardly from its bottom to its top, a swinging bracket having spaced arms journaled on said spindle and normally projecting outward from said support in substantial alinement with said first mentioned bracket and arms but movable laterally into a higher plane at either side of said normal position about the axis of said spindle.

1,487,626. VALVE SILENCER. WILLIAM M. TULLEY, Corpus Christi, Tex. Filed Oct. 27, 1921. Serial No. 510,743. 2 Claims. (Cl. 123—90.)



2. An abutment for a valve silencing spring comprising a collar externally threaded and having a longitudinally extending unthreaded rod receiving passage, said collar being split from its upper end to a point in spaced relation to its lower end and having its lower end portion provided with wrench-engaging faces, the lower end of said collar being provided with a spring receiving seat.

1,487,627. PULLEY AND THE LIKE. LAURENCE R. TUTEN, Columbia, S. C. Filed Mar. 24, 1923. Serial No. 627,342. 2 Claims. (Cl. 287—52.)



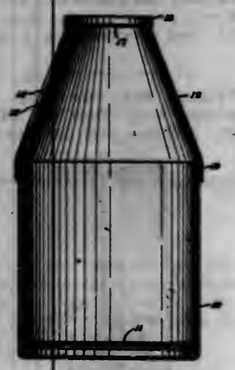
1. The combination with a pulley having a recess formed in the wall of the shaft receiving bore thereof, the recess tapering from end to end, of a similarly tapered key mounted in said recess, and means extending through the ends of the hub into said recess and engaging against the ends of said key for shifting the key longitudinally of the recess, said recess being transversely tapered, said key being similarly tapered.

1,487,628. BANDAGE. FREDERICK HERBERT VON HOFE, South Orange, N. J. Filed July 28, 1922. Serial No. 578,089. 2 Claims. (Cl. 128—76.)



2. A bandage which includes a broad band of material passing around the sides and the rear of the head of the wearer, straps adjustably connected thereto and extending over the head to support the band thereon, a plurality of adjustably connected straps extending from the front end of the band across the nose and chin of the wearer, and nose and chin forming plates mounted respectively on the straps, adjustable connections of the straps permitting the proper pressure to be applied to the features through the plate.

1,487,629. PAPER BOTTLE. JONATHAN WAINWRIGHT, Jr., Philadelphia, Pa. Filed June 26, 1922. Serial No. 570,997. 5 Claims. (Cl. 225—4.5.)



1. In a bottle of the character described, a body of cellulosic material, an upper section extending from the upper end of the body, and a reinforcing member secured about the upper end of said upper section and provided with abutment means projecting inwardly of the upper section and forming a seat for reception of a closure cap pressed into the upper end of said upper section.

1,487,630. PISTON RING. BURTON T. WALSH, Chicago, Ill., assignor to Fred H. Funchess, Hanford, Calif. Filed Nov. 24, 1919. Serial No. 340,086. 1 Claim. (Cl. 74—109.)

The combination with a piston having an annular groove therein, of a piston ring comprising a central expander ring of less width than said groove leaving free space for the full depth of said groove on each side thereof, said expander ring having bevelled shoulders on opposite sides thereof and a central portion forming stop shoulders; and expansible packing rings arranged on opposite sides of said expander ring, shaped to fit said expander ring, and being slightly projected thereby, whereby inward move-



ment of one of said packing rings fixes the central ring and the other packing ring in definite projected position, said inward movement being limited by said stop shoulders.

1,487,631. EXERCISING DEVICE. DAVID E. WANGER, Winnetka, Ill. Filed Nov. 5, 1920. Serial No. 421,902. 1 Claim. (Cl. 46—69.)

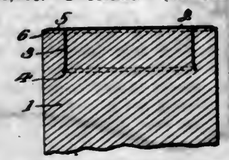


An exercising device comprising a pair of semi-spherical members arranged in the form of a ball adapted to be gripped in one hand, a central guide post along which one of said members is movable toward the other, the opposed flat faces of said members having a plurality of annularly arranged recesses formed therein at equal radial distances from said guide post, the recesses of one of said members being alined with those of the other member, and a plurality of compression springs arranged between said members and having their opposite ends seated in said alined recesses, said springs normally urging said members away from each other so as to spread the fingers of a hand encircling said ball by exerting pressure radially in substantially all directions.

1,487,632. POLISHING COMPOUND FOR CLEANING AND RESTORING THE LUSTER OF VARNISH, ENAMEL, AND LACQUER. RALPH G. WARING, Syracuse, N. Y. Filed Sept. 28, 1921. Serial No. 503,971. 5 Claims. (Cl. 134—24.)

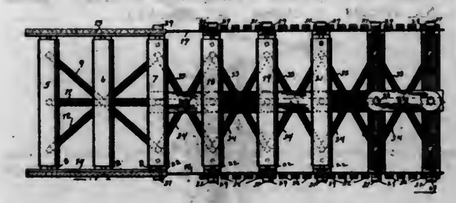
4. A polishing compound for varnish, lacquer and analogous surfaces comprising paraffine oil, vegetable oil, turpentine substitute, wood alcohol, caustic soda and water in approximately the proportions described and emulsified.

1,487,633. TEXTILE ROLL. FREDERICK CLIFTON WASHBURN, New Bedford, Mass. Filed July 29, 1921. Serial No. 488,346. 2 Claims. (Cl. 242—68.)



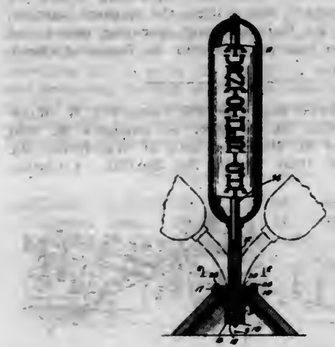
1. A wooden textile roll having a metal reinforcing ring on its extremity, said ring comprising a cylindrical body having its end beveled on its inner face to form a chisel edge, and having an annular outward extending end flange formed with a sharpened angular edge to penetrate the end face of the roll.

1,487,634. FLEXIBLE CONVEYER. LAWRENCE W. WATERS, Kingsburg, Calif. Filed Feb. 28, 1923. Serial No. 621,912. 4 Claims. (Cl. 193—35.)



1. In a device of the character described, a plurality of rollers spaced one from the other, flexible sides movably secured to each of said rollers and means connecting said rollers for causing an angular displacement between said rollers, said angular displacement being upon the radii of any given arc.

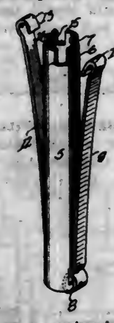
1,487,635. SILENT POLICEMAN. JOHN A. WATTS, Milford, Pa. Filed Apr. 23, 1923. Serial No. 634,091. 2 Claims. (Cl. 40—145.)



1. In a device of the character described, a hollow base of frusto-conical form, a signal device, a transversely flexible supporting device connected to the signal device, and means for mounting the supporting device on the base including a tubular bracket member having its upper end open and provided with an outwardly extending annular flange adapted to rest on the top of the frusto-conical base, the lower end of the tubular bracket member being closed and being disposed within the frusto-conical base and adjacent the bottom thereof, said tubular bracket member having a portion constituting a socket and an enlarged portion providing a clearance, the transversely flexible supporting device having its lower end received and secured in said socket and having a portion adapted to operate in the clearance provided by the enlarged portion of said tubular bracket member, and releasable fastening means for adjustably securing the flange to the top of the base.

1,487,636. HAIR CURLER. JULIUS G. WHITE, San Francisco, Calif. Filed Apr. 4, 1922. Serial No. 549,481. 1 Claim. (Cl. 132—41.)

A device of the character described comprising a tubular member for receiving thereon hair to be curled and adapted to house a heating medium, said member being provided with spaced notches on one extremity thereof and an enlarged opening adjacent its opposite extremity, a resilient arm curved at its lower extremity, with the curved portion being movable through the opening of the tubular member, said arm terminating at its upper extremity in a hook end adapted to engage the tubular mem-



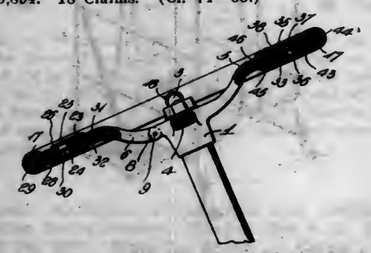
ber and be retained on an extension formed between the notches thereof, the said arm having its hook end and curved portion integrally formed therewith.

1,487,637. HAIR-CURLING DEVICE. JULIUS G. WHITE, San Francisco, Calif. Filed Apr. 4, 1922. Serial No. 549,482. 1 Claim. (Cl. 132—41.)



A hair curler comprising a pair of arms, one of said arms being resilient and slotted adjacent one extremity and having formed on its opposite extremity a lateral extension, the other of said arms being provided with a pointed free extremity and having horizontally extending beads formed substantially throughout the length of the arm, the last mentioned arm being reduced adjacent its opposite extremity and continuing into an integrally rounded portion adapted to be received in the slot of the resilient arm.

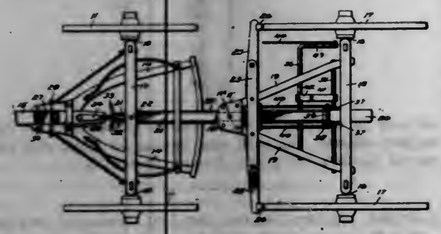
1,487,638. TILTABLE STEERING WHEEL. HARRY S. WILLIAMS, San Antonio, Tex., assignor to J. W. Heard, San Antonio, Tex. Filed Nov. 17, 1921. Serial No. 515,894. 18 Claims. (Cl. 74—33.)



1. A steering wheel comprising a spider including a hub having pairs of opposed spokes radiating therefrom, one pair of said spokes being rigid with the hub, one of the spokes of the other pair being also rigid with said

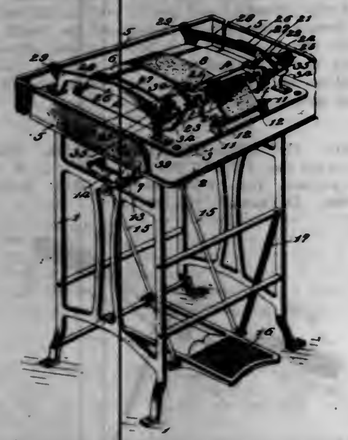
hub and the remaining spoke being hinged thereto, a tiltable rim pivotally connected to the outer ends of the first named pair of spokes, an extensible member mounted on the outer end of said hinged spoke and hingedly connected with said rim, and a quick releasable retaining device cooperative with the outer end of the remaining spoke and said rim.

1,487,639. WAGON BRAKE. WILLIAM Z. WILLIS, Oakman, Ala., assignor of forty-nine one-hundredths to Claude D. Roberts, Oakman, Ala. Filed Dec. 11, 1922. Serial No. 606,153. 1 Claim. (Cl. 188—120.)



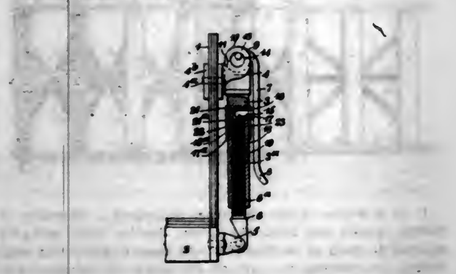
The combination with a vehicle running gear including the forward and rear axles, the carrier wheels, and a reach member, of an operating member movable longitudinally of the reach, forward and rearward rock shafts in spaced relation and mounted for oscillation on the running gear, arms carried by one of the rock shafts and coupled to the operating member, a brake beam carrying brake shoes, coupling means between said arms and brake beams, cooperating cam arms carried respectively by said rock shafts, means under the control of the driver of the vehicle for operating said forward rock shaft, and a draft tongue slidably coupled to the running gear and engaging the operating member by the rearward movement of the draft tongue or the forward movement of the rear axle.

1,487,640. CIGAR-WRAPPING MACHINE. JASPER STANLEY WINGET, York, Pa., assignor of one-half to Augustin Converse Winget, Tyrone, Pa. Filed July 7, 1920. Serial No. 394,464. 17 Claims. (Cl. 93—5.)



1. A machine of the type described, comprising a belt, a reciprocating mechanism, carrying gripping means for holding the wrapped ends of a wrapper, and means for closing the gripping means after the wrapping is completed.

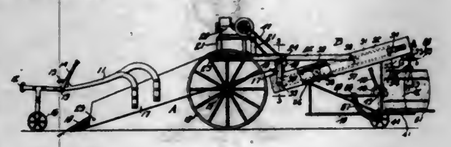
1,487,641. FASTENING FOR BAGS, TRUNKS, BOXES, AND THE LIKE. JOHN FREDERICK FRANKLAND WINNING, Hanwell, England, assignor to Finnigans Limited, Manchester, England. Filed Nov. 10, 1920. Serial No. 423,103. 7 Claims. (Cl. 70—14.)



2. A fastening comprising a bracket on each of the members to be fastened, a link member interposed between said brackets, means for connecting one end of said link member to one of said brackets, an eccentric disc pivoted on the other end of said link member, a curved surface provided on the other bracket, and adapted to receive said eccentric disc, operating means for rotating said eccentric disc to draw the brackets together, and a key lock for fastening said operating means and said link member together to retain the fastening closed

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1,487,642. POTATO HARVESTER. GOODWIN W. WISEMAN, Waterville, Me., assignor to Dominick M. Susi and Nathaniel H. Barrows, both of Waterville, Me. Filed Feb. 20, 1920. Serial No. 360,091. 4 Claims. (Cl. 55—9.)



1. In combination a potato digger, a cleaner, means for supporting the digger unit, means for independently supporting the cleaner unit at times, and means to withdraw the independent support of the cleaner unit and support the cleaner unit from the digger unit when desired.

2. In combination, a potato digger supported by wheels, a normally wheel-supported cleaner unit trailing therefrom, means for withdrawing the supporting wheels of the cleaner unit, and means for supporting the cleaner unit from the digger unit.

3. The combination of a potato digger, a cleaner trailing from the digger, means for supporting said cleaner from the ground, means for raising the cleaner supporting means off the ground, and other means for supporting the cleaner from the digger.

4. In a potato digger mounted upon wheels, a cleaner unit trailing therefrom and normally wheel-supported, a slotted segment extending upwardly from the axle of the cleaner unit, means for guiding the segment upwardly to withdraw the supporting wheels of the cleaner unit from the ground, and other means for supporting the cleaner unit from the digger when the said wheels are withdrawn.

1,487,643. HAIR CURLER. PAULINE WOLFE, Davenport, Iowa. Filed Apr. 23, 1923. Serial No. 634,118. 8 Claims. (Cl. 132—41.)

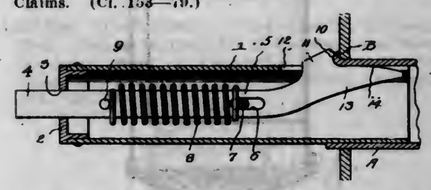
1. A hair curler comprising two arms hinged together at one end, the other end of one of said arms being

turned inwardly and backwardly to form a hook under which the free end of the other arm may be inserted,



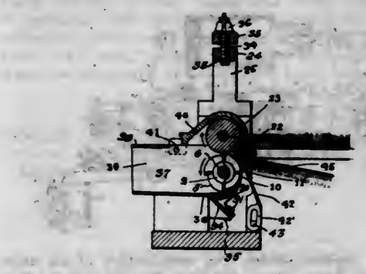
and a tongue formed upon one of said arms near the middle thereof.

1,487,644. FLUE BEADER. LESTER M. ZEA, La Hogue, Ill. Filed Apr. 17, 1922. Serial No. 554,334. 2 Claims. (Cl. 153—79.)



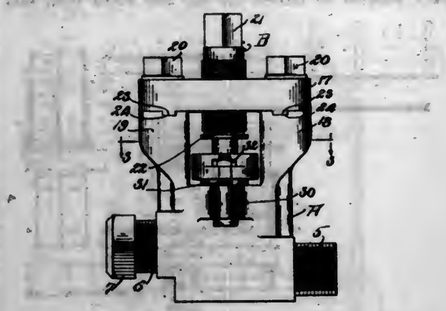
1. In a beader, a tubular body, a closure plug in one end of said body, a bead forming member slidably mounted within said body and provided with a longitudinally extending slot, a guide pin carried by said tubular body and projecting through said slot, a transverse pin carried by said member, a spiral spring carried by said member and engaging said transverse and guide pins, and a bead forming anvil formed upon said member.

1,487,645. PLUCKING MACHINE. GUSTAV BOESCH, Danbury, Conn. Filed July 14, 1920. Serial No. 396,269. 38 Claims. (Cl. 149—27.)



9. In apparatus of the character described, in combination, a frame member having two oppositely disposed supports each provided with a guideway, a rotary operating member rotatably supported by said frame, a journal box slidably mounted in each of said guideways, a second rotary member supported in said journal boxes and adapted to coact with said first-mentioned rotary member, a housing associated with each of said supports and extending in substantial alignment with said guideway, a controlling member slidably mounted in each of said housings and engaging at its lower end one of said journal boxes, each of said controlling members being of less longitudinal extent than its associated housing, a bridging member extending across said two supports and having at its respective ends a projection extending slidably into one of said housings and engaging the controlling member therein, and means detachably mounting said bridging member with respect to said supports to permit removal thereof and adapted also to permit said bridging member to be adjusted toward or away from said housings.

1,487,646. VALVE FOR HIGH FLUID PRESSURES. AUGUSTUS H. EUSTIS, Milton, Mass. Filed Jan. 31, 1923. Serial No. 616,095. 6 Claims. (Cl. 251—155.)

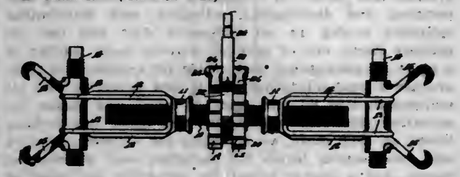


3. A valve for controlling high pressure corrosive substances having therein passageways comprising bores in a solid piece of inert metal, and an unitary internal closure element of a different inert metal, in combination with an exterior mechanical connection for controlling the position of said closure element.

1,487,647. PROCESS OF RECOVERING NITROGEN FROM RESIDUAL AMMONIA OXIDATION GASES. GIACOMO FAUSER, Novara, Italy. Filed Apr. 11, 1922. Serial No. 551,730. 1 Claim. (Cl. 23—10.)

In the production of free nitrogen from the exit gases from the oxidation of ammonia and subsequent oxidation and absorption of nitrogen oxide, which exit gases contain oxygen and nitrogen and a proportion of oxygen which is only a minor fraction of the content of oxygen in air, and which exit gases may also contain a much smaller percentage of an oxide of nitrogen, which comprises adding hydrogen in amount at least chemically equivalent to the oxygen present and passing the gas mixture in contact with a catalyzer at a temperature at which free oxygen and hydrogen combine to form water, then separating the water.

1,487,648. WHEEL-RIM TOOL. ALBY F. FOLSOM, Jackson, Mich. Filed Oct. 17, 1923. Serial No. 669,129. 2 Claims. (Cl. 157—1.)

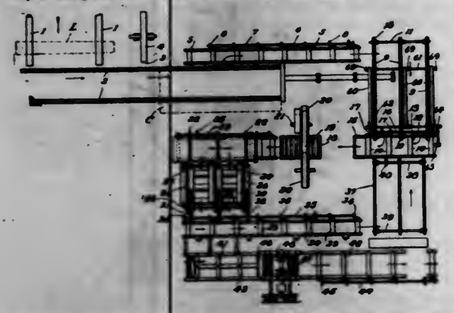


1. In an expanding and contracting device, an oppositely threaded bar, clamping means movable on the ends of the bar, a collar fixed on the intermediate portion of the bar in relation to the threads of one end of said bar, a disk threaded on the threads of the other end of the bar and operable in a direction to constantly urge the disk against said collar.

1,487,649. SAWMILL APPARATUS AND METHOD. LEMUEL ROSCOE FOREMAN, Elizabeth City, N. C. Filed May 18, 1916. Serial No. 98,340. 3 Claims. (Cl. 143—92.)

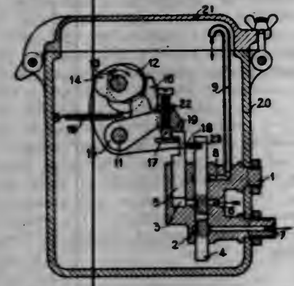
1. In an apparatus for sawing logs the combination of a supporting structure, a conveyer for moving the log longitudinally, a saw for cutting a board from the underside of the log during said movement, horizontally mov-

able carriers adapted to receive the log and board and move the same transversely, inclined conveyers adapted to receive the log and board from said carriers, inclined ways adapted to receive the log and board from said



inclined carriers, and stops mounted on said inclined ways adapted to engage and withhold the board and allow the log portion to separate therefrom by gravity, substantially as set forth.

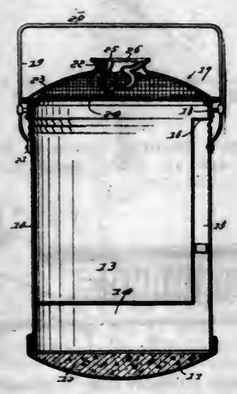
1,487,650. LUBRICATING-OIL-PUMPING APPARATUS. LOUIS FRIEDMANN, Vienna, Austria. Filed Apr. 25, 1922. Serial No. 556,425. 3 Claims. (Cl. 184—27.)



2. In a lubricating oil pumping apparatus, the combination of an oil vessel fitted with a lid, an oil pump comprising a pumping cylinder and piston, a distributing cylinder and piston, oil conducting means connecting said pumping and distributing cylinders, said distributing cylinders having an oil admission duct and two oil delivery ducts, one of said oil delivery ducts leading to a place of consumption, and a pipe for receiving oil from another of said oil delivery ducts and delivering said oil underneath said lid into said oil vessel, and means for actuating said pistons comprising a shaft, two rocking levers on said shaft, an eccentric for actuating one of said two rocking levers for operating said distributing piston, and a double tappet for actuating the other of said two rocking levers for operating said pumping piston, an adjustable member located on the end of said other rocking lever for operating said delivering piston, and means for connecting said other rocking lever to said delivering piston in such a manner that said adjustable member shall move said delivering piston out of its cylinder, whereas said other rocking member will force it into its cylinder.

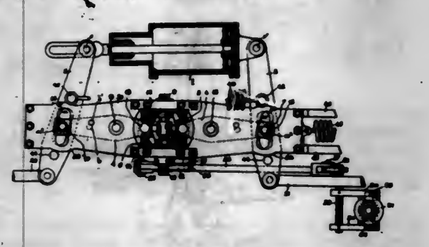
1,487,651. GARBAGE RECEPTACLE AND INCINERATOR. HENRY P. FULLER, Richmond, Va. Filed Aug. 27, 1921. Serial No. 495,892. 1 Claim. (Cl. 110—18.)

A garbage receptacle comprising a casing having an interiorly located garbage receiving compartment, the wall of which is spaced from the bottom of the casing, thereby providing a fire space and smoke flue space within the casing, a screen located in the upper portion of the casing and bridging the smoke flue, a cover for the casing, a perforated plate carried by the cover and adapted to extend over the end of the casing and the ends of the garbage compartment and smoke flue therein, a cage located under the cover and mounted upon said plate, the cover being provided at its center with an



opening, a screen disposed over the opening, and tortuous tubes passing through the screen and the top of the cage and having their lower ends disposed above the plate, said tubes adapted to serve as means for permitting insects to enter the cage and the products of combustion and evaporation from the can to pass from under the cover.

1,487,652. BRAKE DEVICE. JEAN LOUIS GAGET-RAGOT, Paris, France. Filed Jan. 25, 1922. Serial No. 531,743. 9 Claims. (Cl. 188—195.)



5. In a braking device, the combination of an actuating device, brake shoes, actuated thereby, intermediate levers for transmitting the motive power from the first named device to the brake shoes, said levers mounted on a connecting member provided with slots, said levers having slots, angularly disposed to the first named slots, pivotal connections in the slots, levers actuated by a cam for displacing said pivotal connections, a cam, a lever mounted on said cam and actuating the latter, a slot in said lever and means connected with the slot for actuating said lever.

1,487,653. HEAD FOR METAL CONTAINERS. HERBERT H. HART, Evanston, Ill. Filed Apr. 2, 1920. Serial No. 370,699. 7 Claims. (Cl. 220—55.)

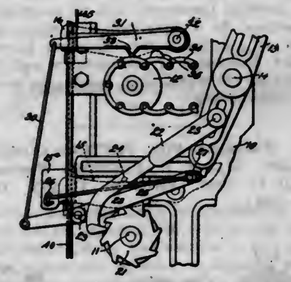
1. The combination with a container head having an opening, of a closure mounted over said opening, said closure having a dome-shaped portion extending above the plane of the head, a locking plate having a dished or dome-shaped portion overlying and engaging the dome-shaped portion of the closure, the dome-shaped portion of

said plate being curved on a greater radius than the dome-shaped portion of the closure whereby said plate engages the central part only of the dome-shaped portion of the closure, a holding device engaging said plate on



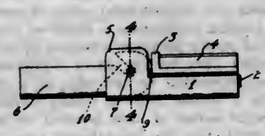
one side of said opening, a second holding device engaging said plate on the opposite side of said opening, the edge of said locking plate between said holding devices being spaced from the upper surface of the head.

1,487,654. LOOM DOBBY. HENRI HATTOY, Blackstone, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 22, 1923. Serial No. 626,778. 8 Claims. (Cl. 139—74.)



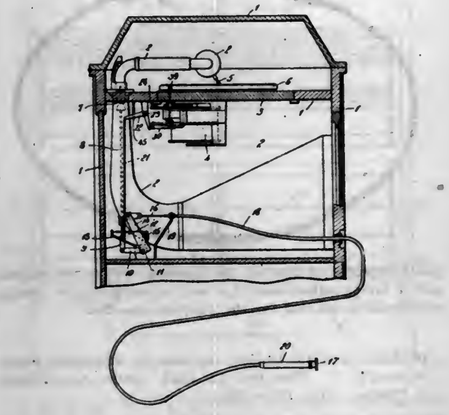
1. In a loom dobby, a main pattern cylinder, an auxiliary pattern cylinder, upper and lower dobby fingers co-operating with said cylinders respectively, and links connecting said upper and lower fingers in pairs, each lower finger being movable upward by its pattern cylinder while the associated link and upper finger remain at rest.

1,487,655. BLADE-HOLDING DEVICE. LOUIS HLAVACEK, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,414. 1 Claim. (Cl. 30—10.)



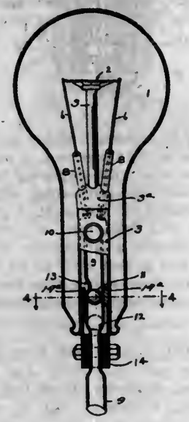
A blade holding device comprising a holder component formed from a piece of material bent centrally to constitute side portions, in spaced-apart relationship; a member joining the sides at one end thereof; a member joining the edges of the side portions at another portion thereof and constituting a restraining element for a blade when inserted in the holder; a bearing and pivot for a handle formed on another portion of the holder component; and a handle and guard component formed from a piece of material folded to constitute spaced apart sides, pivotally and detachably associated with the holder and foldable over a portion thereof when in one position, and means for holding the blade securely in the holder, said means including a bearing member on the handle and adapted to bear against and force the blade into position in the holder when the handle is in open position.

1,487,656. EXPRESSION DEVICE FOR PHONOGRAPHS. ROBERT HEAD, Yonkers, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed Sept. 4, 1920. Serial No. 408,225. 12 Claims. (Cl. 181—27.)



1. In combination with a phonograph, a tone-volume control, and automatic means which operates said tone-volume control to produce repeatedly tone-volume variations.

1,487,657. GAS-FILLED ELECTRIC LAMP. EDWARD JARVIS HUNT, Newark, N. J. Filed July 10, 1920. Serial No. 395,255. 3 Claims. (Cl. 176—16.)

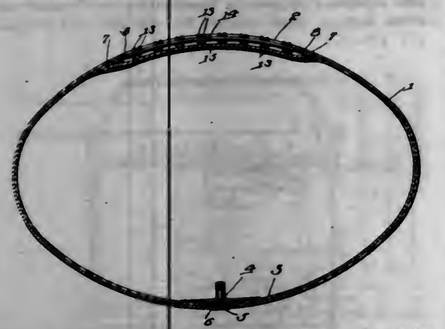


1. An incandescent electric lamp, comprising an envelope or bulb, a filament mounted therein, a gas-filling tubulure adapted to be sealed within the lamp structure, and a check-valve of magnetic material permanently enclosed in the sealed tubulure adjacent the sealing point and adapted to automatically close the bore of said tubulure.

1,487,658. BALL-LACING DEVICE. CHARLES J. JENSEN, North Plainfield, N. J. Filed Dec. 3, 1921. Serial No. 519,757. 4 Claims. (Cl. 46—4.)

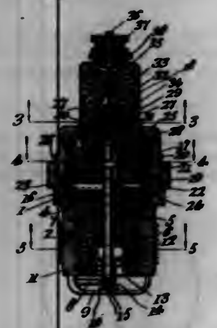
1. In combination with a foot ball and the like, comprising a casing having a slit or opening therein, an inflatable bladder adapted to be housed by said casing, a

valve for said bladder, a valve protector, said valve protector being adapted to extend through said casing at a



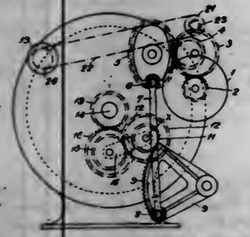
point opposite to that of the opening within the casing, and a lacing attachment for said opening in the casing, substantially as and for the purpose specified.

1,487,659. SPARK PLUG. ROBERT H. JOHNSON, Washington, D. C. Filed Feb. 12, 1923. Serial No. 618,605. 2 Claims. (Cl. 123—169.)



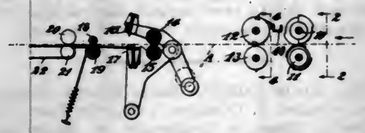
1. A spark plug comprising a shell, an insulator therein having a recess in its lower end, a positive electrode carried by the insulator and projecting through said recess, a negative electrode cooperating with said positive electrode and grounded on said shell, a plunger mounted to reciprocate in said recess and to scrape the carbon therefrom, said plunger also slidably fitted above the positive electrode and having slots at its base with teeth formed between the slots, and a yoke beneath the spark gap to arrest the movement of the plunger.

1,487,660. DRIVING GEAR FOR ROTARY WASHING MACHINE. CHARLES KINGSTON and WILLIAM MCCHESNEY, London, England. Filed July 16, 1923. Serial No. 651,939. 3 Claims. (Cl. 74—14.)



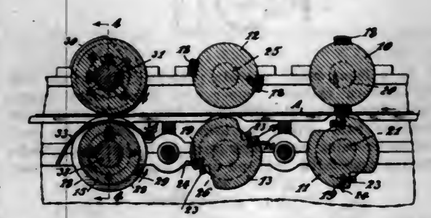
1. A driving and quick reversing gear for rotary washing machines comprising the combination of an eccentric driving spur pinion, an elliptical spur wheel driven by said eccentric spur pinion, and having a crank pin located on its longer diameter, a quadrant driving the drum of the washing machine the requisite number of times in opposite directions at each stroke through intermediate gearing, and a connecting rod attached at one end to said crank pin and connected at the other end to said quadrant.

1,487,661. MACHINE FOR CUTTING COMPOSITION SHINGLES. SAMUEL M. LANGSTON, Wenonah, N. J. Filed June 30, 1922. Serial No. 571,983. 15 Claims. (Cl. 164—68.)



1. A machine for cutting shingle strips, including means for forming transverse rows of longitudinally extending tongues in a longitudinally advancing sheet, and a pair of coacting rotary members having knives spaced apart lengthwise of the members and each of a length equal to the width of a tongue for severing the tongues at their bases.

1,487,662. MACHINE FOR CUTTING COMPOSITION SHINGLES. SAMUEL M. LANGSTON, Wenonah, N. J. Filed July 11, 1922. Serial No. 574,273. 16 Claims. (Cl. 164—68.)

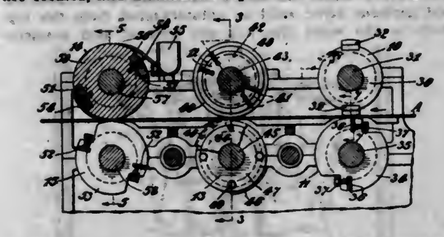


1. A machine for making shingle strips with spaced recesses along one longitudinal edge thereof, including means for feeding lengthwise a sheet of prepared material, a pair of rotary members coacting to cut a series of spaced parallel slits in the sheet transversely thereof and each corresponding to one edge of a recess of the shingle strip, a second pair of rotary members coacting to cut a second series of slits parallel to and arranged alternately with the firs tmentioned slits in the same row, and each corresponding to the opposite edge of a recess, a third pair of rotary members coacting to cut a series of pairs of longitudinal slits corresponding to the other two edges of each recess and for removing the circumscribed pieces to leave apertures, and means for sub-dividing the sheet lengthwise thereof into strips along lines intersecting a plurality of said apertures.

1,487,663. MACHINE FOR CUTTING COMPOSITION SHINGLES. SAMUEL M. LANGSTON, Wenonah, N. J. Filed July 28, 1922. Serial No. 578,171. 18 Claims. (Cl. 164—68.)

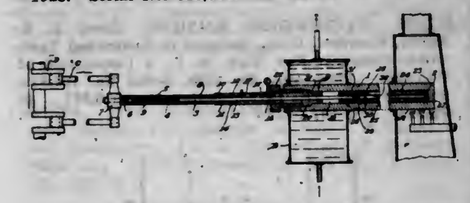
1. In a machine for forming apertures in sheet material, two pairs of coacting rotary members, one pair adapted to form a transverse slit and the other pair adapted to form a pair of longitudinal slits, the pairs being so adjusted that one end of each longitudinal slit

substantially registers with a corresponding end of the transverse slit, whereby longitudinally extending tongues are formed, and mechanism separate from said two pairs



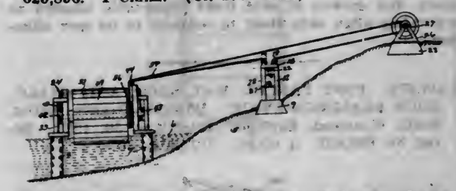
of coacting rotary members for cutting off the tongues at their bases and removing them from the sheet to form apertures.

1,487,664. HEAT ENGINE. JOHN FOX JENNENS MALONE, Newcastle-on-Tyne, England. Filed Feb. 27, 1923. Serial No. 621,594. 11 Claims. (Cl. 60—23.)



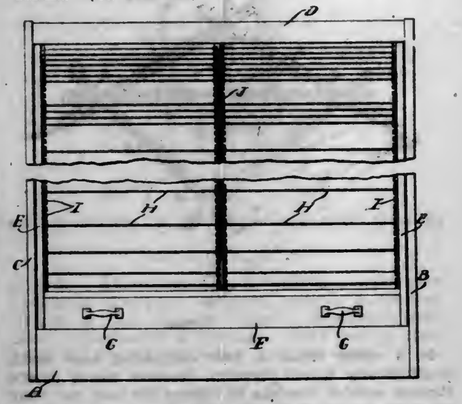
1. A heat engine comprising in combination a cylinder and means for maintaining the ends of the cylinder at a constant difference of temperature, a ram adapted to reciprocate within said cylinder, a displacer reciprocable in the cylinder, means for connecting the displacer with said ram to be reciprocated thereby during part of the stroke of the ram and to be idle during another part of the stroke thereof, and a liquid in said cylinder alternately moved towards either end of the cylinder by said displacer.

1,487,665. CURRENT MOTOR. KICHIMATSU MUKAI, San Francisco, Calif. Filed Mar. 17, 1923. Serial No. 625,896. 1 Claim. (Cl. 170—103.)



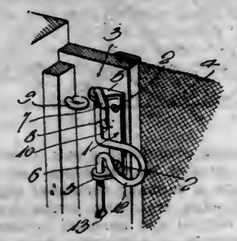
In a device of the character described, spaced supports, a shaft extending between said supports, the ends of said shaft being mounted in movable bearings, counterweights secured to each of said bearings, a drum mounted on said shaft, said drum being adapted to float upon the surface of a stream, paddle wheels secured to the periphery of said drum for the purpose of imparting rotation from said stream to said drum, a pulley secured on the end of said drum, a shaft remotely located with respect to said drum, a pulley on said shaft, a cable extending between said first mentioned pulley and said second mentioned pulley, and means for automatically maintaining the tension of said cable, said means consisting of a weight having a pulley secured thereto, spaced pulleys mounted above said pulley in such a manner that said cable is trained over one of said pulleys under said pulley on said weight and over the other of said pulleys.

1,487,666. SHELF CABINET. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Oct. 12, 1922, Serial No. 594,006. Renewed Feb. 7, 1924. 5 Claims. (Cl. 211—27.)



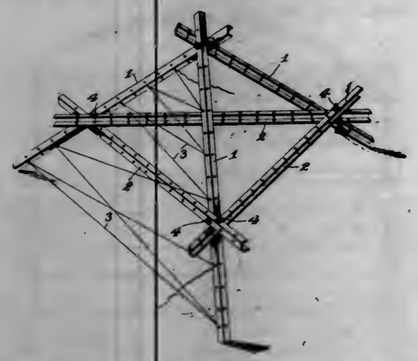
4. A cabinet having vertically adjustable shelves and opposed series of end supports for said shelves attached to upright portions of the cabinet, each of said supports comprising a horizontal portion on which a shelf is adapted to rest and angular flanges at opposed edges of said portion, one of said flanges serving as a means of attachment to the cabinet and the other flange serving with the support next below to define the shelf space.

1,487,667. WINDOW-SCREEN LATCH. WENDELL H. OMLER, Philadelphia, Pa. Filed Sept. 28, 1922. Serial No. 591,133. 1 Claim. (Cl. 292—114.)



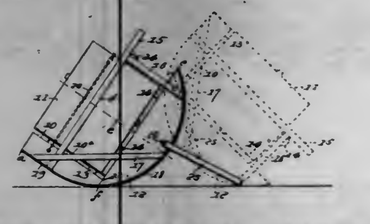
A fastener for a swinging screen or the like comprising a bearing bracket mounted on the inner face of one of the vertical side-pieces of the screen, a vertically disposed shaft journaled in the bearings of said bracket to permit sliding and rotary movement thereof, said shaft having a stop at its lower end to limit the upward sliding movement and having a portion of its upper end bent to extend at right angles to the inner face of the aforesaid side-pieces and said portion being then bent downwardly to extend in spaced parallelism to the body portion of the shaft, thus forming a hook for engagement with a keeper mounted on the inner face of the stop strip which the screen abuts, the bill of said hook being spaced a distance from said shaft less than the thickness of said strip, and the extremity of the bill being bent obliquely to form a cam nose to draw the screen into tight contact with said strip, the intermediate portion of said shaft being bent into a loop between its ends to form a finger-grip and the latter being bent at an angle to the hook so as to dispose it substantially midway between the aforesaid inner surfaces of the screen and stop strip to provide sufficient space on either side to permit quick gripping thereof when releasing the device.

1,487,668. SILT ACCUMULATOR. GEORGE WILLIAM REHFELD, Riley County, Kans. Filed Apr. 9, 1921. Serial No. 460,145. 1 Claim. (Cl. 61—3.)



In a water break, a unit comprising bars having longitudinally spaced openings, fastener means passing through selected openings to connect the bars and retain the bars assembled in the form of a tripod, a second series of bars adapted to form a triangle embracing the said tripod, the above mentioned triangle occupying a horizontal position.

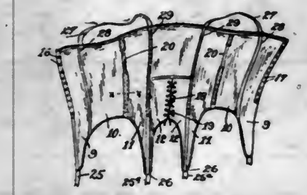
1,487,669. CARBOY LIFT. ROSCOE B. SHIFFNER, Kansas City, Mo. Filed May 4, 1921. Serial No. 466,646. 1 Claim. (Cl. 248—55.)



A carboy cradle comprising a pair of parallel rockers having outer rounded bearing edges and cut away at the rear to form a normally horizontal edge and a normally vertical edge, transverse strips connecting both the normally vertical and normally horizontal edges to provide, respectively, a seat and a back, of which the former is adapted for the reception of a carboy, diagonal braces spanning the rockers in intersecting relation with the angle between the seat and the back, handles secured to the rockers on opposite sides of the seat in a plane midway the depth of the seat, brace bars disposed in parallelism with the seat and connecting the handles with the rockers adjacent the upper ends of the former, legs pivotally connected with the rockers and adapted to maintain the device in upright position when the seat is disposed in a horizontal plane, and a flexible retainer consisting of detachably connected chains having their extremities secured respectively to the two rockers and adapted for spanning relation with a carboy carried on said seat.

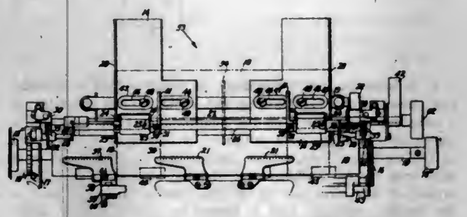
1,487,670. BRASSIÈRE CORSET. HARRY SLIKERMAN, Brooklyn, N. Y., assignor to The Belfit Brassiere Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 7, 1921. Serial No. 506,017. 3 Claims. (Cl. 2—75.)

1. A brassière corset garment including an integral structure extending above and below the waist so as to embrace the bust and the hips, said garment having releasable fastening means at one side thereof, the top edge of said garment being substantially straight and terminating below the line of the armpits, the back of said garment being solid or uninterrupted from the top down to the waist line and the part of said garment



above the waist being solid or nonadjustable, said garment at the rear side being bifurcated from the lower end to the waist line only, and means for adjusting and drawing in said garment at the back from the lower end to the waist line only.

1,487,671. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 20, 1920, Serial No. 404,882. Renewed July 17, 1922. Serial No. 575,577. 32 Claims. (Cl. 197—127.)



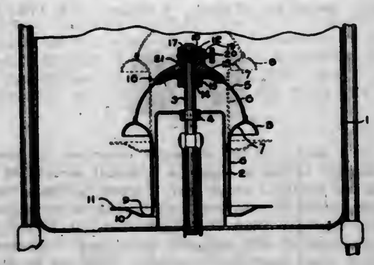
1. In a typewriting machine, the combination with a platen and a platen frame, of a rear paper-table fixed in said frame, a front paper-table, devices associated with the rear paper-table for separately aligning thereon in superposed relation a wide work-sheet and a narrow work-sheet lying between the edges of the wide work-sheet, and devices at said front paper-table adapted to separately align each sheet to conform to its rear alignment.

1,487,672. POST PARCEL, BAG, SACK, AND ANALOGOUS SEALING DEVICE. WILLIAM BARBER SMITH, South Wanstead, England. Filed Apr. 30, 1923. Serial No. 635,637. 1 Claim. (Cl. 292—307.)



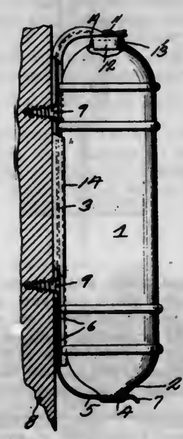
A sealing device comprising a substantially round dished metallic head having an upwardly-extending annular bead beyond the rim of the head, a shallow downwardly-turned flange at the outer edge of said annular bead having a toothed edge, and pairs of long prongs extending down from the flange, the prongs being substantially radial with respect to the head and the prongs of each pair being located closer to one another than quadrants of the circle of the bead, whereby to leave relatively wide spaces between the prongs of different pairs, the prongs of different pairs being diametrically opposite one another, a portion of the toothed flange extending between the prongs of each pair and a greater portion extending between the prongs of opposite pairs.

1,487,673. WASHING MACHINE. DONALD SOPER, London, Ontario, Canada. Filed Dec. 23, 1922. Serial No. 608,725. 6 Claims. (Cl. 259—113.)



1. In a washing machine, the combination with a vertically reciprocable vacuum casing open at its bottom, and means in the tub extending up into the vacuum casing for restricting the cross sectional area of its mouth whereby the air compressed in the vacuum casing during its down stroke is forced thereoutof between the vacuum casing and the restricting means.

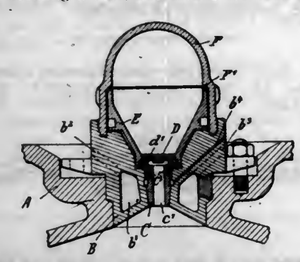
1,487,674. FIRE EXTINGUISHER. AUSTIN C. STARBIRD, Opopka, Fla., assignor to Fireite Extinguisher Co., Masontown, Pa., a Corporation of Delaware. Filed Aug. 1, 1922. Serial No. 578,930. 1 Claim. (Cl. 248—20.)



In a fire extinguisher, a bracket having a resilient arm at its upper end, and means at its lower end for supporting a fire extinguisher, a fire extinguisher supported by said means and having a discharge opening in its upper end, a resilient sheet metal cap secured to the resilient arm, the walls of the cap being bent upon themselves intermediate their ends and extended at an angle with respect to the walls of said opening, and disposed within the same.

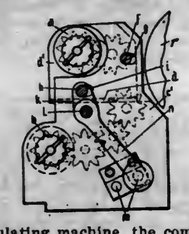
1,487,675. INTERNAL-COMBUSTION ENGINE. KARL STEINBECKER, Charlottenburg, Germany. Filed Sept. 11, 1922. Serial No. 587,550. 6 Claims. (Cl. 123—33.)

1. An arrangement for the operation of solid injection internal combustion engines of the Diesel type, in which a small part of the fuel is atomised in a bulb comprising a cylinder, an atomising bulb, an induction passage branching towards the bulb into a plurality of separate passages forming a rose, and means for cooling said rose



extending into the top part of the rose, which faces the bulb.

1,487,676. CALCULATING MACHINE. FERDINAND STEMMLER, Brunswick, Germany, assignor to Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany, a Corporation of Germany. Filed Dec. 13, 1921. Serial No. 522,174. 4 Claims. (Cl. 235—73.)

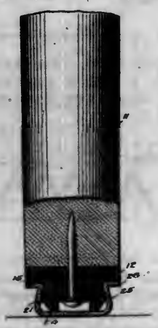


1. In a calculating machine, the combination, with the setting mechanism, of two registering mechanisms, means independent of each other operatively connecting said setting mechanism with both registering mechanisms, means to render the setting mechanism inoperative relatively to one of said registering mechanisms, and means to lock the shiftable registering mechanism in its connected and disconnected positions.

1,487,677. VALVE-SURFACING COMPOSITION. HUGH H. THEIS, Taylor, Tex. Filed June 16, 1922. Serial No. 568,853. 1 Claim. (Cl. 134—54.)

A surfacing composition of the character described comprising rubber cement, 5 ozs., cup grease, 6 ozs., differential grease, 4 ozs., graphite, ½ oz., denatured alcohol, ½ oz., muriatic acid, ½ oz., and distilled water, ½ oz.

1,487,678. SLIDING CASTER. CARL GEBHARD, Long Beach, Calif. Filed Sept. 15, 1922. Serial No. 588,454. 5 Claims. (Cl. 16—42.)



1. A pad for chairs comprising a cushioning element, a metallic foot-member adapted to receive the cushion-

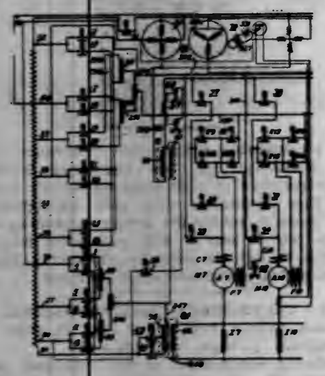
ing element, and a flange formed on said metallic foot member and adapted for engagement with the cushioning member, substantially as described.

1,487,679. SAW JOINTER. ARON HANSON, Libby, Mont. Filed Mar. 19, 1923. Serial No. 625,937. 2 Claims. (Cl. 76—46.)



1. The combination with a saw jointer and its file, of longitudinally disposed arms having their inner ends adjustably secured to said jointer, and pivoted slide shoes at the free ends of said arms for guiding the file in a predetermined line along the cutting edge of saw teeth.

1,487,680. SYSTEM OF CONTROL. LLOYD J. HIBBARD, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1919. Serial No. 345,486. 12 Claims. (Cl. 172—179.)



5. In a system of regenerative control, the combination with a supply circuit and a dynamo-electric machine having an armature and a field winding, of a switch for connecting a machine circuit to the supply circuit, and a controller for regulating the voltage of said armature and for automatically effecting the opening of said switch if regeneration is attempted at a relatively low speed.

1,487,681. LATHE TOOL. FERNANDO OSCAR JAQUES, Jr., Providence, R. I. Filed July 13, 1923. Serial No. 651,378. 5 Claims. (Cl. 29—96.)



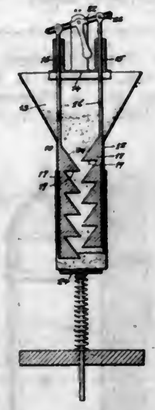
1. A lathe tool comprising a zigzag shaped cutting member, a holding member having a corresponding zigzag shaped groove and means for rigidly securing the zigzag shaped cutting member in the zigzag shaped groove of the holding member.

1,487,682. ELECTRIC-CIRCUIT TERMINAL. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed July 3, 1922. Serial No. 572,534. 6 Claims. (Cl. 173—269.)



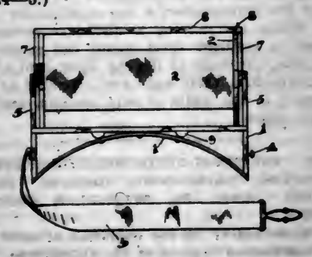
2. In a device of the character described, an insulating support having a recess, a terminal secured in said recess and having a screw seat, a screw having a threaded engagement in said seat and having an extension of smaller diameter than the screw seat but longer than the thickness of said terminal permitting the screw to be tilted when partially disengaged from the terminal.

1,487,683. FEEDER AND PACKER FOR PULVERULENT MATERIALS. ESLI A. MARSH, Chicago, Ill., assignor to J. F. Elam Sales Service, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1923. Serial No. 669,979. 5 Claims. (Cl. 226—24.)



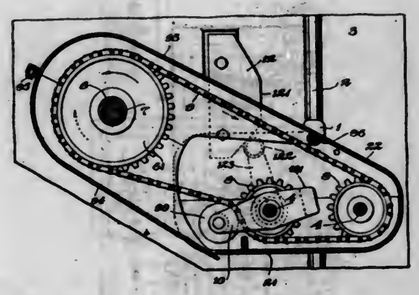
1. In a combined feeder and packer, the combination of a chute, a plunger within the chute, said plunger having downwardly projecting teeth, an opposing member having downwardly projecting teeth, and means for reciprocating the plunger, the edges of the opposed teeth lying in close relation to one another when in the medial position, substantially as described.

1,487,684. BERRY-PICKER'S CARRIER. WILLIAM THOMAS OLIVER, Harrop, British Columbia, Canada. Filed Nov. 13, 1922. Serial No. 600,644. 6 Claims. (Cl. 224—5.)



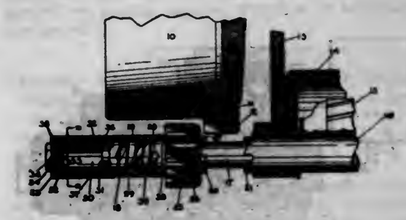
1. In a carrier of the character described, the combination of a supporting frame; a pair of arms pivotally supported on the frame; a tray pivotally supported on said arms, said tray being open at one side; and a closure member for the open side of the tray carried by said arms.

1,487,685. ROVING FRAME. GEORGE F. ALBRECHT and HARRY BROOK, Woonsocket, R. I., assignors to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I., a Corporation of Rhode Island. Filed Dec. 7, 1923. Serial No. 679,183. 15 Claims. (Cl. 118—41.)



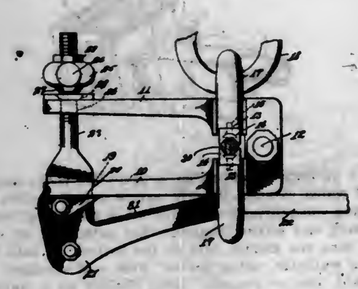
1. In chain-driven mechanism, the combination with a driving sprocket-wheel, a driven sprocket-wheel partaking of traverse movements, a drive-chain passing around both of the said sprocket-wheels, and a tightener-roll engaging with said drive-chain intermediate the said sprocket-wheels, of means positively controlling the tightener-roll and causing it to keep the slack taken up during the up and down movements of the traverse.

1,487,686. ELECTRIC STARTER. ERNEST R. HUNTLEY, Milwaukee, Wis., assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 6, 1920. Serial No. 415,156. 10 Claims. (Cl. 74—7.)



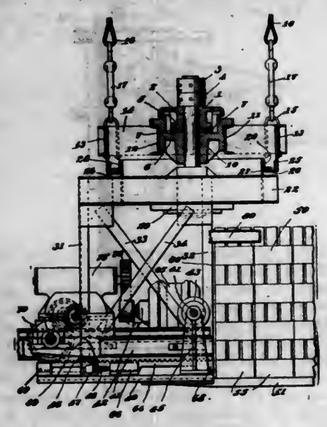
1. In a starting mechanism for gas engines, the combination of a motor having a main shaft; an extension shaft having a diameter less than that of the main shaft; an element of a jaw clutch formed at the junction of said shafts; a pin on the extension shaft; a sleeve on the extension shaft formed with an advancing slot therein, said slot being adapted to have sliding engagement with the pin; a clutch element on the end of the sleeve adjacent the first named clutch element and adapted to engage therewith; a gear wheel secured to the sleeve adjacent the sleeve clutch element; a plug at the end of the sleeve opposite to the clutch end, said plug having an aperture therein; a valve for the aperture fitted to permit free passage of air into the sleeve interior and prevent free passage of air from within the sleeve; a coil spring surrounding said sleeve and having a bearing on the pin and a portion of the sleeve whereby the sleeve is urged along the extension shaft in a direction to open the jaw clutch; and a tubular casing fixed to and enclosing said spring and sleeve.

1,487,687. TEMPER SCREW CLAMP. JOHN F. HARRISON, Columbus, Mont., assignor to Harrison Clamp Company, Casper, Wyo., a Corporation of Wyoming. Filed May 7, 1923. Serial No. 637,384. 3 Claims. (Cl. 24—135.)



1. A temper screw clamp including movably connected members having rope gripping means at their connected portions, a lever movably mounted in the other end of one of the members, and a clamping means movably carried by the lever and adjustably engaged through the other member and releasable therefrom.

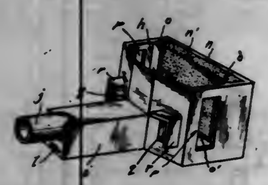
1,487,688. BRICKSETTING MACHINE. GRAFTON E. LUCE, Chicago, Ill. Filed Oct. 6, 1919. Serial No. 328,712. 5 Claims. (Cl. 294—63.)



1. Brick handling apparatus of the kind described, consisting in means to engage and lift a stack of brick, including means to contact with substantially the central portion of the foundation rows of brick in the stack, said brick engaging means having mechanism adapted to move

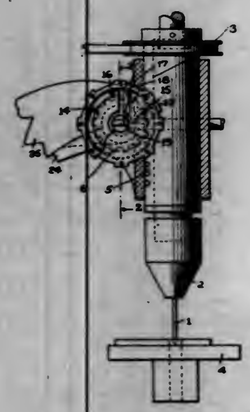
the same under the brick while the carrier is stationary for loading the brick stack onto the carrier, said brick engaging means being movable rearwardly to release the brick stack for unloading.

1,487,689. OIL BURNER FOR FURNACES. HARRY W. MANNING, Portland, Oreg. Filed Oct. 17, 1922. Serial No. 595,134. 10 Claims. (Cl. 158—4).



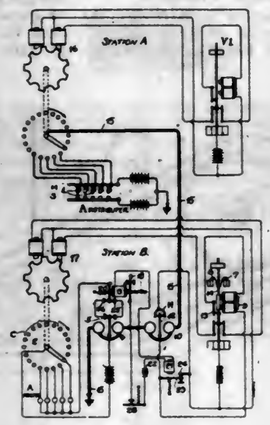
1. An oil burner comprising, a basin-like body, one wall side of which extends straight across and the other wall side being substantially semi-circular, a horizontal tubular vaporizing and mixing chamber, the outlet end of which enters thru the middle and at the bottom of, said semi-circular wall-side, being normal with said straight wall-side, said tubular chamber being divided by a partition extending part of the length thereof into parallel oil and air ducts, the walls of said body having flame openings, the openings in the wall portions adjacent said tubular chamber being provided with deflectors arranged to deflect part of the flames against said chamber thereby to heat the latter and gasify the oil admitted thru the oil duct thereof.

1,487,690. METHOD OF AND APPARATUS FOR DRILLING. CHARLES MARTI, East Orange, N. J., assignor to The Martian Manufacturing Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Sept. 24, 1920. Serial No. 412,574. 11 Claims. (Cl. 77—55.)



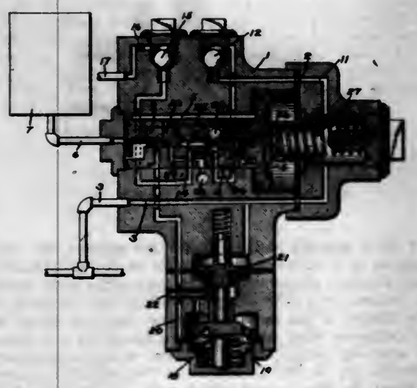
1. In a drill press the combination of a longitudinally movable drill holder, a pinion operatively connected therewith, a housing to support said pinion, a lug secured eccentrically to said pinion and rotatable therewith, a stop operatively secured to the housing, and means interposed between the lug and the stop to yieldingly oppose rotation of the pinion.

1,487,691. TELEGRAPH SYNCHRONIZING SYSTEM. DONALD MURRAY, London, England, assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1924. Serial No. 693,112. 4 Claims. (Cl. 178—53.)



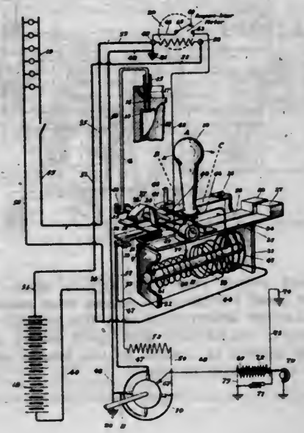
1. In a synchronous multiplex printing telegraph system, a telegraph line, means for transmitting impulses of different polarities on said line, a multi-channel receiving distributor, printer relays connected to each channel, circuit connections whereby the printer relays in one channel are unresponsive to impulses of one polarity and means for changing said circuit connections, whereby said relays are made responsive to impulses of said polarity.

1,487,692. FLUID-PRESSURE BRAKE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 7, 1923. Serial No. 623,538. 15 Claims. (Cl. 303—37.)



1. In a fluid pressure brake, the combination with a valve mechanism having a valve provided with a port through which fluid under pressure is supplied, of a movable member mounted in said valve and subject to the pressure of fluid supplied to said port, whereby the pressure in said port reacts on the valve to hold same to its seat.

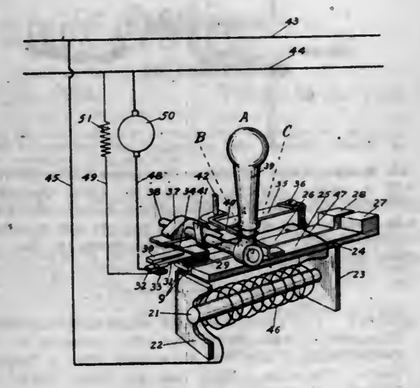
1,487,693. ELECTRIC SYSTEM FOR GENERATING UNITS. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Teledo, Ohio, a Corporation of Delaware. Filed Apr. 28, 1919. Serial No. 293,261. 5 Claims. (Cl. 290—35.)



1. In an electric generating system, an electric circuit, an automatic switch for opening and closing said circuit, a gas engine having cranking means operable by said electric circuit and having a compression relief valve, a switch operating handle capable of limited motion in either direction, means for manually closing the switch by moving the handle to either extreme position, means for opening said compression relief valve operable by movement of the handle to one extreme position only, and means for automatically returning the handle to intermediate or neutral position whenever it is released by the operator.

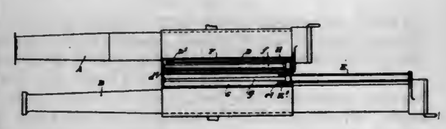
1,487,694. CIRCUIT BREAKER. CARL P. BSOCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Continuation of application Serial No. 293,261, filed Apr. 28, 1919. This application filed Nov. 8, 1919. Serial No. 336,630. 8 Claims. (Cl. 200—103.)

4. In an electric switch, an electro-magnet having a coil and a pole piece, an armature of greater permeability and an armature of lesser permeability, both in position to be attracted by said pole piece, said armature of lesser permeability carrying an electric contact, and said armature of greater permeability carrying a stop arm, a rock-shaft capable of limited motion from a neutral position, a cam thereon adapted to shift said armature of lesser permeability toward said pole piece when said shaft is rocked to its operative position, a second cam on said shaft adapted to engage said stop arm at the same time to hold said armature of greater permeability away from the pole piece, means tending to withdraw said armature of lesser permeability, whereby, when said rock-shaft is in neutral position a current through said coil of more than a certain predetermined strength will cause said armature of lesser permeability to become over-saturated, after which said armature of greater permeability will be drawn into engagement with said pole piece, thereby magnetically short circuiting said armature of lesser permeability and permitting it to be withdrawn, and whereby when said rock-shaft is in neutral position and a current of less than said predetermined strength is flowing, said stop arm may be manually depressed to shift said armature of greater permeability into engagement with said pole piece, thereby magnetically short circuiting said armature of lesser permeability, and permitting it to be withdrawn.



5. In an automatic circuit breaker for an electric circuit, the combination of an electromagnet having an armature, means for breaking the electric circuit by the movement of said armature, a second armature for said electromagnet adapted to magnetically short circuit the first armature when the current in the circuit exceeds a predetermined value, and means operable to prevent said second armature from acting when it is desired to send a high current through said circuit.

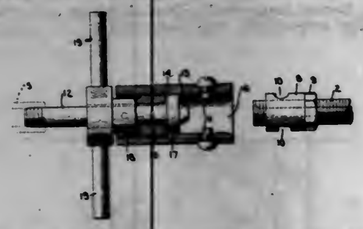
1,487,695. MULTIBARREL GUN. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Jan. 4, 1924. Serial No. 684,420. 7 Claims. (Cl. 89—43.)



1. A multi-barrel gun comprising, in combination, an even plurality of barrels, a common cradle for said barrels, means including a rod and an apertured diaphragm having operative engagement with each of said barrels for braking the recoil of the latter, and means for transferring the energy of recoil of one barrel to the rod and diaphragm of an adjacent barrel for running out the latter, said rod and diaphragm having relative longitudinal movement during the recoil of the barrels.

4. A multi-barrel gun comprising, in combination, a cradle, an even plurality of barrels mounted in said cradle the breech of said barrels being normally in the same vertical plane, means for braking the recoil of said barrels and for simultaneously running out one of said barrels, tappets on said barrels, and a recuperator having engagement with said tappets and adapted to be energized by the recoil of one of the barrels for returning the latter to their normal position of alignment.

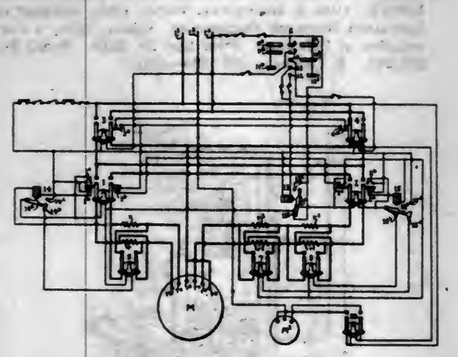
1,487,696. VULCANIZER CONNECTION. CLIFFORD D. SMITH, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 28, 1920. Serial No. 377,247. 6 Claims. (Cl. 285—177.)



2. A separable connection comprising a casing provided with a central opening and internal screw threads, a projection extending into said opening, a sleeve slidable in said opening, said sleeve having a bayonet slot therein to cooperate with said projection and means to lock the sleeve in the casing.

1,487,697. CONTROLLER FOR ELECTRIC MOTORS. HARRISON P. REED, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 10, 1922. Serial No. 550,969. 12 Claims. (Cl. 172—179.)

7. In a controller for two speed A. C. motors, the combination with separate slow speed and high speed switches of control means therefor to effect operation thereof progressively or operation of said high speed switch independently of said slow speed switch, the latter means including a relay normally positioned to arrest operation of said high speed switch and responsive to render the



high speed switch responsive and to effect release of said slow speed switch and a second relay normally positioned to arrest operation of said slow speed switch and responsive to render said slow speed switch responsive but being subject to control by the former relay to be arrested by response thereof.

Patents Nos. 1,487,698 to 1,488,460.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

Vol. 320—No. 4. TUESDAY, MARCH 25, 1924. Price—$5 per year.

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Prints	3—No.	7,257 to No.	7,259, inclusive.
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Designs	37—No.	64,294 to No.	64,330, inclusive.
Patents	763—No.	1,487,698 to No.	1,488,460, inclusive.
Total	1180		

Adhesion of Esthonia to the International Convention for the Protection of Industrial Property.

U. S. PATENT OFFICE, *March 15, 1924.*

The following communication, referred to this Office by the Secretary of the Interior, is published for the information of those concerned.

THOMAS E. ROBERTSON,
Commissioner.

[Translation.]

LEGATION OF SWITZERLAND,
Washington, D. C., January 31, 1924.

Mr. SECRETARY OF STATE:

On my Government's request I have the honor to inform you that by a note dated December 18, 1923, the Ministry of Foreign Affairs of Esthonia notified the Swiss Federal Council that the Republic of Esthonia decided by a law enacted in the State Assembly on November 29, 1923, to adhere to the International Convention for the Protection of Industrial Property, signed at Paris, March 20, 1883, revised at Brussels, December 14, 1900, and at Washington, June 2, 1911, with its final protocol (see article 18 of the Convention).

In accordance with article 16, paragraph 3, of the revised Union Convention of Paris this adhesion will take effect one month after the sending of the notification by the Swiss Government to the other countries belonging to the union, that is to say, on and from February 12, 1924.

With regard to the contribution to the expenses of the International Bureau, the Swiss Federal Council has asked the Esthonian Government to indicate to it the class in which that country wishes to be placed.

Begging you kindly to take note of this adhesion, I take the opportunity to renew to you, etc.

MARC PETER,
Minister of Switzerland.

TRADE-MARKS CANCELED.

122,831. Automobile dolly jacks. Mid-West Manufacturing Company, Sioux Falls, S. Dak. Registered July 23, 1918. Canceled February 25, 1924.

159,681. Cotton piece goods and drapery fabrics of cotton, silk and cotton, and silk-mixture piece goods. Colony Mills, Inc., New York, N. Y. Registered October 3, 1922. Canceled January 24, 1924.

162,552. Burnishing compound. Mid-West Manufacturing Company, Minneapolis, Minn. Registered December 19, 1922. Canceled February 25, 1924.

ADJUDICATED PATENTS.

(C. C. A. Mass.) The Steele patent, No. 997,472, for an artificial tooth, claims 1 and 2 *Held* invalid. *Columbus Dental Mfg. Co.* v. *Ideal Interchangeable Tooth Co.*, 294 Fed. Rep. 422.

(D. C. N. Y.) The Just and Hanaman patent, No. 1,018,502, for a filament for incandescent lamps *Held* valid and infringed. *General Electric Co.* v. *P. R. Mallory & Co.*, 294 Fed. Rep. 562.

(D. C. N. Y.) The Langmuir patent, No. 1,180,159, for an incandescent electric light, claims 4, 5, 12, and 13 *Held* valid and infringed. *General Electric Co.* v. *P. R. Mallory & Co.*, 294 Fed. Rep. 562.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,432,341, M. A. Kendall, Leer conveyer, decided February 11, 1924, claim 1.

Pat. 1,450,125, M. L. Webb, Automatic heat control, decided February 7, 1924, claims 1, 2, and 3.

Condition of Applications Under Examination at Close of Business March 14, 1924.

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,804; Trade-Mark Division, 1,730. Oldest new case, June 14, 1923; oldest amended, June 16, 1923. The dates given are 1923 except where * indicates 1924.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	July 9	Aug. 6	1,080
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	June 29	Aug. 9	1,115
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 10	Oct. 5	902
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	July 30	July 25	1,153
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	July 6	July 7	1,355
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Plastic Compositions; Substance Preparation.	June 14	July 20	1,775
312	7. JARBOE, C. O., Games and Toys; Optics; Photography	Aug. 27	Aug. 30	2,470
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	Oct. 11	Dec. 10	1,551
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Aug. 13	*Jan. 9	692
235	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Aug. 1	Aug. 7	1,377
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Oct 22	Oct. 18	757
322	12. PIERCE, P. P., Machine Elements	July 27	Oct. 16	1,153
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	July 14	Sept. 12	1,098
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	July 16	*Feb. 9	956
308	15. REDROW, W. H., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	July 5	July 16	2,028
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	July 20	July 19	2,622
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Aug. 2	Nov. 8	1,263
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	June 15	June 16	1,993
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 6	*Jan. 3	926
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Dentistry; Locks and Latches; Safes; Undertaking.	Sept. 10	Sept 15	1,262
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	July 3	Dec. 8	916
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 24	Nov. 10	394
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing	July 9	June 21	577
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 2	Sept. 1	1,021
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Nov. 26	Dec. 3	678
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	July 13	July 21	954
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Aug. 14	Aug. 27	1,198
225	28. BENSON, A. R., Internal-Combustion Engines	Sept. 1	Sept. 10	1,255
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	July 23	Aug. 1	1,157
152	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Aug. 1	*Jan. 11	1,031
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Aug. 29	Aug. 17	1,320
120	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	July 16	July 16	1,151
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Sept. 10	Sept. 12	1,229
304	34. SIMPSON, G. H., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Aug. 29	Sept. 14	791
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Oct. 20	Nov. 10	884
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Sept. 8	Sept. 1	1,795
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	July 18	July 19	1,641
378	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	July 13	July 9	1,499
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	June 28	June 28	931
271	40. OBERLIN, J. C., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	July 6	Dec. 12	1,757
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	July 12	Aug. 14	906
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	July 17	Aug. 1	1,776
382	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Electricity, Medical and Surgical; Fire Extinguishers; Medicines; Sewerage; Surgery; Liquid Separation or Purification.	Aug. 4	July 26	1,676
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Aug. 6	Nov. 9	1,059
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Oct. 4	Aug. 21	1,366
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Sept. 28	Oct. 13	1,014
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Sept. 20	Nov. 21	956
116	48. ROEPKE, O. E., Electricity Conductors; Electricity, General Applications	July 7	July 10	2,416
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Sept. 7	Sept. 21	460
102	DESIGNS: C. O. MARKHAM (Acting)	*Feb. 13	*Feb. 20	459
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	*Feb. 4 (Trade-Marks)	*Feb. 10	1,070
		*Mar 6 (Labels and Prints)	*Mar. 8	60

DECISIONS IN PATENT AND TRADE-MARK CASES.

U. S. Circuit Court of Appeals—Second Circuit.

AMERICAN STAINLESS STEEL CO. *v.* LUDLUM STEEL CO.

Decided April 16, 1923.

[290 Fed. Rep. 103.]

1. PIONEER PATENTS.

When to the scientific triumph of succeeding where other scientists have failed is added the development of a new branch of industry, the word "pioneer" may well be accorded to the patent which describes and defines, even though lamely, the essentials of such success.

2. PATENTABILITY—ANTICIPATION—SUFFICIENCY OF DISCLOSURE.

It requires more than prophecy of what may be done or than declarations of what ought to be accomplished to make a good patent reference, not to speak of anticipation. It is necessary to show with reasonable certainty how the desired result can be accomplished.

3. PIONEER INVENTIONS—"STAINLESS STEEL."

Where all the evidence unites to prove that steel of a polished luster, secured by its composition against the commoner forms of acid or corrosive attack, was something sought for, suspected as possible to come from chromium admixtures, but never obtained until B. and H. produced as a new article of manufacture a wholly novel product and something almost in denial of previous scientific disclosure—"stainless steel"—*Held* that to such an inventive concept the often misleading word "pioneer" may fairly be applied.

4. SPECIFICATION—SUFFICIENCY OF DESCRIPTION—PERSONS "SKILLED IN THE ART."

Where patents are addressed to the cutler, but refer to the production of a certain kind of steel and instruct with precision as to the component parts of the material, *Held* that the patents are to be interpreted in the light of what their disclosures would mean to one accustomed to the art of making steel, or to a metallurgist, and not to one who was concerned only with the forming thereof into implements.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit in equity by the American Stainless Steel Company against the Ludlum Steel Company. Decree for defendant, and complainant appeals. Reversed and remanded.

STATEMENT OF THE CASE.

Suit is upon two patents, one (claims 1, 2, and 4) granted to Haynes April 1, 1919, No. 1,299,404; and the other (claims 1 and 3) granted to Brearley September 5, 1916, No. 1,197,256. Haynes called his application one for a "wrought metal article," and Brearley his for "cutlery." But the object of both patentees is the same, and may be shortly described as a desire to produce what has for some years been increasingly well known under the trade-name "stainless steel." Although Brearley's patent date is earlier, his date of application is later, and it may be summarily held that Haynes's is the generic and Brearley's the specific patent.

Haynes declares that his invention relates to the production of wrought metal articles of manufacture—

having polished surfaces of the general character which is termed noble, in that such surfaces are incorrodible.

Brearley states that his invention relates to the production of—

cutlery or other hardened and polished articles of manufacture where nonstaining properties are desired.

Both patentees are of opinion that they have shown such desirable product by the use of a described alloy, to wit:

A worked-down and hard body of an iron-chromium alloy, low in carbon and in other metals. (Haynes.)

The addition of certain percentages of chromium and carbon to iron, [producing] a steel capable of taking a polish and having the characteristics above referred to. (Brearley.)

Haynes's most specific claim is No. 2, viz.:

A wrought metal tool having polished surface of the incorrodible character of polished surfaces of noble metal, and comprising an alloy of iron and chromium containing from 8 per cent. to 60 per cent. of chromium and from 40 per cent. to 92 per cent. of iron, with carbon in amount between 0.1 per cent. and 1.0 per cent.; said alloy being readily malleable and workable and being substantially free of other metals.

Brearley's definition of his own invention is best found in his first claim, viz.:

A hardened and polished article of manufacture composed of a ferrous alloy containing between 9 per cent. and 16 per cent. of chromium and carbon in quantity less than seven-tenths of 1 per cent.

Defendant is alleged to infringe by making and selling certain kinds of steel known by the trade-names of "Nevastain" and "Silchrome." The ultimate manufactured article, tool, or implement does not appear to have been made by the defendant, but what it sells is by its own commercial literature described thus:

Nevastain is a high chromium-silicon alloy completely resistant to the effects of fruit acids. * * * It is particularly adapted for exposed surfaces which have to withstand the combined action of salt water and the atmosphere. It can be hardened by the usual methods, and made file hard, and can then be drawn to requirements. * * * Nevastain steel, when polished, will retain its high finish indefinitely. The atmospheric dirt can be readily removed by soap and water.

Silchrome is very resistant to the action of acids, organic and inorganic. It will not stain when subjected to the fruit acids, providing the steel has been hardened.

The usual defenses were interposed, and the court below in a careful and able opinion by Learned Hand, J., set out substantially all the facts adduced at hearing, and held that the Brearley claims in suit could not "create a monopoly over the whole extent which they claimed," but that said claims might be considered (for argument's sake) "valid for as much of the field as [Brearley's] invention really covers." No definite finding of validity was made in respect of Haynes, but noninfringement of both patents was declared (as to Brearley), because, if his disclosure were followed, defendant's alloy or composition "would become hard and would not become stainless," and as to Haynes his disclosure nowhere indicated any method of rendering stainless what defendant had made and sold.

From decree dismissing bill for noninfringement, plaintiff appealed.

Mr. Charles Neave, *Mr. Marshall A. Christy*, and *Mr. Maxwell Barus* for the appellant.

Messrs. Kenyon & Kenyon (*Mr. Allan D. Kenyon* and *Mr. Herbert Dyke* of counsel) for the appellee.

Before ROGERS, HOUGH, and MANTON, Circuit Judges.

HOUGH, *Cir. J.* (after stating the facts as above):

Judgment in this case seems to us primarily to depend on ascertainment of patent validity and scope. This is a prerequisite to determination of the place in the art, or that branch of art, to which the patents belong. If this invention be found broadly new, meritorious in ingenuity, and lying at the foundation of a wholly novel development of human labor, it should receive in construction a liberality too well recognized to need additional exposition, though we may point out that *Treibacher* v. *Roessler*, 219 Fed. 210; 135 C. C. A. 108; 209 O. G. 1689, is a rather striking illustration of such appropriate liberality.

The history of steel is almost as old as that of commerce, and the story of its use for tools of every kind a commonplace; but equally has it heretofore been a commonplace that, unless kept bright by repeated polishing or protected with oil, the steel utensil was expected to lose its luster, and especially have all steel articles needed protection from the common acids of human food, something usually at hand, and certainly as much needed as steel itself.

The difficulty of producing a steel resistant to what is roughly called "corrosion," even by some of the experts testifying herein, has long been recognized. That compound of pure iron and the carbide thereof, which is steel, has itself been admixed (for many purposes) with other and more infrequent metals; e. g., nickel, tungsten, etc., and chromium. Ferrochromium is one form of admixture; and the fact that ferrochromium itself was well known to be peculiarly resistant to powerful acids doubtless suggested years ago that some chromium alloy might be at once useful for many of the commercial purposes of steel and yet maintain its polished luster.

[1] This record is replete with accounts of speculations on this subject and dissertations thereon by men confessedly skillful in their day in the arts of steel making and metallurgy. These publications have been advanced by defendant to minimize the inventive concept of Haynes and Brearley. To us they magnify it. There are many inventions which seem to have been gathered, as it were, from the scrap heaps of human effort. They appear to observers as the results of accident, rather than intelligent design. But where men, doubtless well equipped for a particular sort of work, have hoped and investigated and even prophesied as to what could be done, but never did it, and other men similarly equipped have by intensive study and skillful experiment succeeded, such success commands and should receive a greater meed of intellectual appreciation than is accorded even to the cleverness of picking up and utilizing an unconsidered or discarded trifle. When to the scientific triumph of succeeding where other scientists have failed is added the development of a new branch of industry, the word "pioneer" may well be accorded to the patent which describes and defines, even though lamely, the essentials of such success.

[2] Half a century ago Woods and Clark (British No. 1,923 of 1872) filed provisional specification for an "improved alloy for anti-acid metal"; but they never completed their application. Of this abandoned disclosure defendant declares that these men—

> taught the world * * * that high chromium ferrous alloys, consisting of low carbon Bessemer steel and high chromium content, with more or less tungsten—

could be used to produce stainless alloys, and it is urged that "the patents in suit have added nothing to that knowledge." On the contrary, our inference is that Woods and Clark must have thought little of their own concept, as they dropped the matter at once; while examination of their disclosure shows that their preferred alloy for "anti-acid metal" was made in proportions wholly wrong, while their methods of production were merely impossible. They were perhaps among the prophets; but it requires more than prophecy of what may be done, or than declarations of what ought to be accomplished, to make a good patent reference, not to speak of an anticipation. It is necessary to show with reasonable certainty how the desired result can be accomplished. *Westinghouse, etc., Co.* v. *Great Northern Co.*, 88 Fed. 258; 31 C. C. A. 525; 85 O. G. 455.

In 1892 Sir Robert Hadfield investigated chromium steel and published his results. That publication we regard as potent evidence of what were then regarded as insuperable difficulties in attaining permanent luster in steel. We accept that eminent steel maker's statement, made in 1916, that he in 1892 saw no way of utilizing low-carbon high-chromium steel for making articles capable of remaining untarnished in contact with the common acids.

[3] We have taken from the historical evidence one example of thought expressed in a patent specification, and one of thought expressed in scientific dissertation; the quotations might be much extended, for all the evidence unites to prove that steel of a polished luster, secured by its composition against the commoner forms of acid or corrosive attack, was something sought for, suspected as possible to come from chromium admixtures, but never obtained until contemporaneously in England and the United States Brearley and Haynes, proceeding along similar lines and having in view substantially the same purpose, produced as a new article of manufacture a wholly novel product, and something almost in denial of previous scientific disclosure, "stainless steel." To such an inventive concept the often misleading word "pioneer" may fairly be applied.

Having thus given our view of the rank of this inventive thought, the question is crucial (in considering validity): To whom were these patents addressed? Who were the "men skilled in the art" to whom they spoke, and by whose intelligent appreciation they are to be measured as to clarity and sufficiency of disclosure?

Here we are constrained to disagree with the learned district court, where these patents were measured by what a cutler would learn from them, and more particularly from Brearley. A cutler may mean either a man who makes edged tools or one who grinds them. He has nothing to do with the manufacture of the steel, which for him is raw material. Yet these patents refer to the production or making of a certain kind of steel; they instruct with remarkable precision as to the component parts of the material, which is to be stainless. It seems to us clear that such a disclosure speaks directly to those whose business it is to make the steel, and not to the cutler who is to fashion it.

[4] We have recently considered the meaning of the phrase "man skilled in the art," and concluded that it is always a relative term, and that no absolute definition of its meaning can be laid down as matter of law, because the query as to who is the man skilled in any particular art is itself a question of fact and one having regard to the patent under consideration. *Dick* v. *Barnett*, 288 Fed. 799; 317 O. G. 789. It follows that we are of opinion that these patents are to be interpreted in the light of what their disclosures would mean to one accustomed to the art of making steel, or to a metallurgist, and not to one who was concerned only with the forming thereof into implements of industry.

What the patentees told metallurgists was that stainlessness might and would be attained by the making of low-carbon and (comparatively) high-chromium alloys when, and only when, what Haynes called "special precautions" were taken in preparation; substantially that crucibles differing from those in ordinary use should be availed of, in order to prevent the proximity and consequent admixture of carbonaceous matter during the process of melting. Haynes thought that he could use either electric or fire heat, while Brearley preferentially recommended an electric-arc melting furnace. The product of both depended upon the making (under melting conditions as above set forth) of an alloy of iron in which the admixture of chromium was in Haynes to be from 8 to 60 per cent, with a content of between 10 and 25 per cent preferred; and in Brearley (who devoted himself to a material particularly suitable for tools) between 9 and 16 per cent; while Haynes's carbon might run from 0.1 to 1 per cent and Brearley's must be less than 0.7 per cent. The patented product is according to Haynes to be (inter alia) a "*hard* body of an iron chromium alloy," and according to Brearley, "a tempered steel *hardened* article." The noninfringement hitherto declared is based on consideration of the word "hard" or "hardened."

Defendant's "Nevastain" and "Silchrome" show an average (in figures near enough for discussion) of carbon 0.43, chromium 9.73, and an addition of silicon 3.84. Leaving silicon out of consideration for the moment, and accepting defendant's laudatory comments on its own product (prefixed to this opinion), it is evident that the alleged infringing articles have taken, not only the proportions of both patents, but (as will appear on closer reading of his disclosure) the especially preferred compound or admixture of Brearley. It was found below and (as may be assumed for purposes of discussion) that such steels as Nevastain and Silchrome—

> will often (it is believed always) become *hard* if heated to the critical temperature taken with the utmost liberality, but will not be stainless. They must be heated further, and to 1700° F., to acquire that second character—

of stainlessness. The degree of heat indicated is distinctly above the critical temperature of ordinary steel.

This means, without going into a detail which may be pursued in the opinion below, that since the patents were addressed to the cutler, and the cutler was accustomed to harden steel, which is his raw material, by heating to and slightly beyond what is known as the "critical temperature," he ought to have been told by the disclosure, not only that he must harden steel (which was an old story), but to just what degree of heat he must proceed in order to attain not only hardness but stainlessness.

It is admitted that both the patents plainly disclose a hard steel, particularly when the chromium is low, and it is also admitted that the process of hardening generally is not a matter of heating to a fixed point. While it has long been known that the critical point of any steel may be indicated by pyrometric instruments, well known in commerce, it is also proven that even among artisans, including cutlers, the practice of skilled men has been to determine the proper hardening or heating point empirically. We do not go into the exact number of heat degrees above the critical point of ordinary steel, to which steels like defendant's or Brearley's preferred product (minus the silicon) must be heated to insure stainlessness, because we do not think the exact number of degrees makes any difference, and are of opinion that such higher degree of heat is very far within the professional knowledge of the metallurgist or steel maker by whose competency these patents are to be judged. Indeed, we are of the opinion that the determination of such proper degree of heat is within even the range of a workman's competency under what has been called the "try it and see" rule. Cf. *Bethlehem, etc., Co.* v. *Niles, etc., Co.*, C. C., 166 Fed. 880, affirmed 173 Fed. 1019; 98 C. C. A. 640; *Pittsburgh, etc., Co.* v. *Seaman Co.*, 248 Fed. 705; 160 C. C. A. 605.

It is worthy of note that this slight extra or additional heating, in order to insure stainlessness, does not affect the whole range of proportions as prescribed by either or both patentees. It seems to be true of a comparatively small number of the possible and contemplated variations in carbon and chromium content. The reasons for it are not apparent—to us, at all events. Defendant in effect insists that, since the invention relates to stainlessness, and the instructions on that subject are good for all but a small area of the ground covered by the claims, he is free of infringement if he stays in that area. The argument does not prevail, because we think the instructions good enough for the class by whose attainments the disclosure is to be tested.

The facts of this particular case seem to us a perfect illustration of the unfairness of reading these patents by the light of a cutler's (rather underestimated) workaday knowledge. If the patents were to be judged by what a cutler could make out of them, and it were true that the best cutler did not know enough to properly harden the stainless steel of the patents after reading the disclosure, such ignorant workman could never infringe. But the defendant is not a cutler, but an incorporated steel maker, equipped with the professional skill of metallurgists; and it is plain enough that the patents were full of instruction for men of the trade of the infringer, and it is to us a strange argument that substantially alleges noninfringement of patent by a metallurgist, because a cutler would not understand what the patentee was trying to express, when the metallurgist had no difficulty in the premises.

It was held below and has not been here successfully disputed, that, omitting silicon, defendant has produced stainless steel; with the silicon added, it has also produced stainless steel; therefore, in respect of infringement, the silicon is immaterial, *no matter how beneficial it may be*. It was not thought necessary below, and we do not think it necessary, to dwell upon the differences between the Haynes and Brearley patents. It is enough for the purpose of this case that defendant's product is within the disclosure of both. Whether there may not be in Haynes an attempt to cover too much ground is a question that may be left until occasion for decision arises.

Decree reversed, with costs, and case remanded to the district court, for further proceedings in accordance with this opinion.

Court of Appeals of the District of Columbia.

CALIFORNIA PACKING CORPORATION *v.* HALFERTY.

Nos. 1,609, 1,610, and 1,611. Decided January 7, 1924.

1. TRADE-MARKS — OPPOSITION — CANNED FRUITS AND CANNED SALMON—SAME DESCRIPTIVE PROPERTIES. Canned fruits and canned salmon belong to the same class and have the same descriptive properties, since they are related to each other, both being food products, not only commonly used together, but commonly sold in the same kind of stores.

2. SAME—SAME—"WHITE BAND"—NOT DECEPTIVELY SIMILAR TO "GOLD BAR" AND "SILVER BAR." Where H. applied for the registration of a trade-mark consisting of the words "White Band" and a band of white extending from one end to the other of the label and opposer bases its contention on two registered marks, one consisting of the words "Gold Bar," the background of which is a gold bar or band, and the other of the words "Silver Bar," the background of which is a silver band, *Held* that no confusion would follow from the use of the marks on goods of the same descriptive properties.

3. SAME—"GOLD BAND" AND "SILVER BAND" HELD DECEPTIVELY SIMILAR TO "GOLD BAR" AND "SILVER BAR," RESPECTIVELY. Where applicant's mark consisted of the words "Gold Band" or "Silver Band" and a band of gold or silver extending from one end to the other of the label and opposer's marks consisted of the words "Gold Bar" or "Silver Bar," the background of which was a gold or silver bar or band, *Held* that the opposition should have been sustained.

4. SAME—SAME—ADOPTION BY OPPOSER OF MARK SIMILAR TO APPLICANT'S AFTER LONG USE OF ANOTHER MARK. Where opposer had applied its marks to canned fruits and vegetables and the applicant applied his to canned salmon, the fact that opposer put out canned salmon for many years under a mark different from that which it now applies to that product was held immaterial, because canned fruits and vegetables belong in the same class as canned salmon.

Mr. Archibald Cox and *Mr. W. G. Henderson* for California Packing Corporation.

Mr. A. E. Wallace for Halferty.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and MARTIN, Presiding Judge of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

These are opposition proceedings in each of which Halferty applied for the registration of a trade-mark to be used on canned salmon. The mark in No. 1609 consisted of the words "Gold Band" and a band of gold extending from one end to the other of the label; in No. 1610, of the words "Silver Band" and a silver band extending like the gold band; and in No. 1611, of the words "White Band" and a band of white of the same length as the other bands. Applicant commenced the use of his brands about June, 1921. Opposer bases its contention on two registered marks, one consisting of the words "Gold Bar," the background of which is a gold bar or band, and the other of the words "Silver Bar," the background of which is a silver band. Each was applied by it to canned fruits for many years before the applicant came into the field, but neither was used on canned salmon until after the applicant had adopted his mark. The latter is, therefore, prior in point of time as to that use.

Two questions are presented for decision—(1) whether canned salmon and canned fruits have the same descriptive properties within the meaning of the Trade-Mark Act, and (2), if they have, whether or not the marks are so similar as to be likely to produce confusion in the mind of purchasers. The Examiner of Interferences held that they were not similar and dismissed the opposition. The dismissal was upheld by the Assistant Commissioner, who ruled that the silver and gold bars of the opposer were readily distinguishable from the marks of the applicant.

[1] We think the goods belong to the same class and have the same descriptive properties. Both are known as canned goods. We held in *California Packing Corporation* v. *Price-Booker Mfg. Co.*, 285 Fed. 993; 308 O. G. 451, that canned fruits and canned pickles were goods of the same class. The reasons given for doing so support our conclusions here. In the second circuit it was decided by the Circuit Court of Appeals that pancake flour and pancake sirup had the same descriptive properties. In doing so it observed that sirup and flour are both food products, and food products commonly used together. Obviously, the public, or a large part of it, seeing the trade-mark in question on a sirup would conclude that it was made by the complainant, although they might not do so if it were used on flatirons. *Aunt Jemima Mills Co.* v. *Rigney & Co.*, 247 Fed. 407. We may say the same here with respect to the goods of the contending parties. They are related to each other, both being food products, and are not only commonly used together but are commonly sold in the same kind of stores.

[2, 3] Concerning the alleged similarity of the marks, it seems to us that the goods would be known by the printed words in the mark attached to them, as, for instance, a package of salmon bearing the mark "White Band" would be known as White Band salmon, and that bearing the "Gold Bar" as Gold Bar salmon. It is not believed that any confusion would follow from the use of the White Band, and the Gold Bar or Silver Bar marks. But in our judgment it is otherwise in the case of the Gold Band and Silver Band marks of the appellant and the Gold Bar and Silver Bar marks of the opposer. "Gold Bar" and "Gold Band" look and sound a good deal alike. So do "Silver Bar" and "Silver Band." It would be easy to mistake the one name for the other. While the bands used by the opposer are wider on its specimens than are those on the specimens of the applicant, there is nothing in either case which specifically limits the size of the band or bar. Of course, if a prospective purchaser could see the marks of both parties together, he would have no difficulty in distinguishing the one from the other, but that is not the test, because he rarely has such an opportunity. Suppose a person is accustomed, let us say, to use canned fruits put out by the opposer, and that he desires canned salmon. He sees a package on the dealer's shelf with petitioner's mark thereon. He decides at a glance, as he may (*Patton Paint Co.* v. *Orr's Zinc White, Limited*, 48 App. D. C. 221; 258 O. G. 814), what he shall do. We think he would be likely to assume, because of the mark, that the product of the petitioner originated with the opposer, and to purchase it as the output of the latter. To prevent such confusion as this is the aim of the law. Since the field from which a person may select a trade-mark is practically limitless, there is no just reason for taking one which nearly resembles that of a rival in trade. *Thomas Manufacturing Company* v. *Aeolian Company*, 47 App. D. C. 376, 249 O. G. 505; *Coca-Cola Co.* v. *Chero-Cola Co.*, 51 App. D. C. 27; 273 Fed. 755; 288 O. G. 432, and *Florence Manufacturing Co.* v. *J. C. Dowd & Co.*, 178 Fed. 73. Where one does so, there is room for the belief that he is seeking some of his competitor's goodwill. *Coca-Cola Co.* v. *Chero-Cola Co.*, supra. Consequently, whenever we doubt in a trade-mark opposition case, as we do here, we resolve the doubt against the one last to adopt the mark. *William Waltke & Co.* v. *Geo. H. Schafer Co.*, 49 App. D. C. 254, 263 Fed. 650; 273 O. G. 630, and *United Electric Co.* v. *Replogle*, 289 Fed. 626; 313 O. G. 233.

[4] The fact that the opposer put out canned salmon for many years under a mark different from that which it now applies to that product is immaterial. Even though it had never used any of its marks on canned salmon, our decision would have to be the same, because it had applied them to fruits and vegetables, which we hold belong in the same class as canned salmon, and, this being so, the confusion against which the statute is leveled would result if registration was granted to the applicant.

We do not think the decision in *Pabst Brewing Co.* v. *Decatur Brewing Co.*, 284 Fed. 110; 306 O. G. 837, cited by the Commissioner, throws any light upon the subject. That was an infringement suit in which the Pabst Company sought to prevent the Decatur Company from using the term "Blue Ribbon" on malt extract, claiming that as it had used it for years as a trade-mark for beer, for which it had been registered, it, the Pabst Company, had a right to extend its use to malt extract. The opinion shows that the term "Blue Ribbon" had been registered in the Patent Office more than sixty times as a trade-mark for various articles of commerce, and because of this extensive use the court held that the term had acquired special significance wholly apart from its use as a trade-mark for any product, and, consequently, that the Pabst Company's right to use it was limited to the product for which it had been registered.

For the reasons given we think the opposition in No. 1611 was correctly overruled, but that in 1609 and 1610 it should have been sustained. As to 1611 the decision of the Commissioner is affirmed, and as to 1609 and 1610 it is reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

855,038. (See 948,806.)

871,735, J. Rashkin, Doors for elevator shafts, appeal filed Aug. 27, 1923, C. C. A. (1st Cir.), Doc. 1666, *The Peelle Co.* v. *Morrison & Skinner Co.* Decree of district court dismissing bill affirmed Jan. 18, 1924.

900,366, Goldschmidt & Lange, Process for joining pieces of metal, as rails, bars, etc.; 1,075,709, H. Goldschmidt, Manufacture and use of ferroso

ferric oxide; 1,153,435, F. Lange, Method of uniting rails and the like; 1,167,043, W. Brewitt, Process of welding rails or the like; 1,168,062, J. H. Deppeler, Method of sealing or luting molds, suit filed Dec. 6, 1923, D. C., N. D. Ill., Doc. 3809, *Goldschmidt Thermit Co.* v. *Chicago, North Shore & Milwaukee R. R. Co. et al.*

948,806, 855,038, H. P. Ball, Music roll for mechanical musical instruments, suit filed Jan. 8, 1924, D. C. Conn., Doc. E 1636, *Holland Development Co.* v. *The Pratt-Read Player Action Co.*

1,041,059, J. H. Fox, Educational device, suit filed Jan. 9, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1023, *H. G. Cress Co.* v. *J. H. Fox & Son et al.*

1,075,709. (See 900,366.)

1,123,999, A. O. Dupuy, Conveying mechanism, suit filed Jan. 17, 1924, D. C., S. D. N. Y., Doc. E 28/270, *The Wellington Machine Co.* v. *Ulster Foundry Corp. et al.*

1,153,435. (See 900,366.)

1,167,043. (See 900,366.)

1,168,062. (See 900,366.)

1,217,209, F. C. Oekers, Locking device for gas stoves, final decree sustaining patent, adjudging infringement, and granting injunction filed Jan. 16, 1924, D. C., S. D. N. Y., *General Gas Appliance Co.* v. *Grinnell Bros., Inc.*

1,307,733, 1,307,734, A. V. Gullborg, Lubricating apparatus; Re. 14,667, F. D. Winkley, Lubricating system, suit filed Dec. 14, 1923, D. C., N. D. Ill., Doc. 3817, *The Bassick Mfg. Co.* v. *B. Warner.*

1,307,734. (See 1,307,733.)

1,395,230, D. Karger, Knitted cap, suit filed Jan. 15, 1924, D. C., S. D. N. Y., Doc. E 28/265, *D. Karger* v. *Balacaier & Balacaier* (*Balacaier Knitting Mills*).

1,418,238, 1,431,907, S. S. Cramer, Pneumatic power generators, suit filed Dec. 24, 1923, D. C., N. D. Ill., Doc. 3824, *S. S. Cramer* v. *Motor Player Corp.*

1,431,907. (See 1,418,238.)

1,431,260, H. Rosen, Button-making machine, consent decree in favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Jan. 16, 1924, D. C., S. D. N. Y., *H. Rosen et al.* v. *Parness, Parness & Alster* (*Liberty Button Works*). Same, suits filed Jan. 14, 1924, D. C., S. D. N. Y., Doc. E 28/260, *H. Rosen et al.* v. *Zlotolow & Zlotolow* (*Queen Button Works*). Same, Doc. E 28/261, *H. Rosen et al.* v. *Klein & Schanberg* (*A. & M. Button Co.*).

1,460,040, J. W. Schulze, Husk for electric-light fixtures; Des. 60,463, R. F. Lindemann, same, suit filed Dec. 10, 1923, D. C., N. D. Ill., Doc. 3814, *A. Vester Sons, Inc.*, v. *U. S. Tool Mfg. Co.*

Des. 52,558, Des. 53,101, Des. 53,880, Des. 54,196, Des. 59,181, L. W. Buchenau, Gum and mint case, suit filed Dec. 10, 1923, D. C., N. D. Calif., Doc. 1197, *Sels-Mor Products Co.* v. *Duff & Langhann et al.*

Des. 53,101. (See Des. 52,558.)

Des. 53,880. (See Des. 52,558.)

Des. 54,196. (See Des. 52,558.)

Des. 59,181. (See Des. 52,558.)

Des. 60,463. (See 1,460,040.)

Re. 14,667. (See 1,307,733.)

Interference Notices.

U. S. PATENT OFFICE, *Washington, Mar. 15, 1924.*

Mae Caesar Porter, her assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wythe D. Sims, 1120 Cullom Street, Birmingham, Ala., for registration of a trade-mark and trade-mark registered December 27, 1921, No. 150,061, to Mae Caesar Porter, 1717 Hall Street, Dallas, Tex., and a notice of such declaration sent by registered mail to said Mae Caesar Porter at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Mae Caesar Porter, her assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Mar. 3, 1924.*

Clarence E. Kenyon, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Eckman Chemical Company, 526 Paxton Block, Sixteenth and Farnam Streets, Omaha, Nebr., for registration of a trade-mark and trade-mark registered October 12, 1915, No. 106,110, to Clarence E. Kenyon, Great Falls, Mont., and a notice of such declaration sent by registered mail to said Clarence E. Kenyon at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Clarence E. Kenyon, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Mar. 4, 1924.*

William P. Sumner, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Kinney Brothers, 243–245 Water Street, Binghamton, N. Y., for registration of a trade-mark and trade-mark registered January 15, 1907, No. 59,624, to William P. Sumner, Jacksonville, Fla., and the Office having been unable to secure service upon said party, notice is hereby given that unless said William P. Sumner, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Mar. 4, 1924.*

The Lithotone Colortype Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the Niagara Lithograph Co., 209–219 West Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 10, 1900, No. 34,443, to The Lithotone Colortype Company, Chicago, Ill., and a notice of such declaration sent by registered mail to The Lithotone Colortype Company at the said address having been returned by the post office authorities as undeliverable, notice is hereby given that unless The Lithotone Colortype Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 25, 1924.

[VOL. 320. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 145,057. (CLASS 17. TOBACCO PRODUCTS.) CUMBERLAND TOBACCO WORKS, Nashville, Tenn. Filed Mar. 22, 1921.

REDOX

TWIST

No claim is made for the word "Twist" apart from the mark shown.

Particular description of goods.—Smoking and Chewing Tobacco.

Claims use since Nov. 1, 1903.

Ser. No. 146,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WOOLSON SPICE CO., Toledo, Ohio. Filed Apr. 11, 1921.

Delite

No claim is made to the word "Delight." The mark consists of the word and associated matter in the drawing.

Particular description of goods.—Coffee.

Claims use since Mar. 30, 1921.

Ser. No. 151,802. (CLASS 39. CLOTHING.) LOUIS S. KAN, doing business as Imperial Sales Co., New York, N. Y. Filed Aug. 15, 1921.

Imperial

Particular description of goods.—Hosiery for Men, Women, and Children.

Claims use since June 1, 1921.

Ser. No. 152,379. (CLASS 12. CONSTRUCTION MATERIALS.) NEW ALBANY VENEERING COMPANY, New Albany, Ind. Filed Aug. 30, 1921.

NAVCO

Particular description of goods.—Built-Up or Veneered Tops, Panels, and Plywood.

Claims use since July 1, 1913.

Ser. No. 152,828. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRAN-U AUTO POLISH CO., Los Angeles, Calif. Filed Sept. 12, 1921.



The words "Auto Polish" shown in the drawing are hereby disclaimed.

Particular description of goods.—Polishing of Wood Work, Household Furniture, and Automobiles.

Claims use since June 15, 1917.

Ser. No. 154,912. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BEARDMORE & CO., Toronto, Ontario, Canada. Filed Nov. 2, 1921.



Particular description of goods.—Leather—Namely, Oak, Hemlock, Union, Chrome, Sole, Harness, Bag, and Upper.

Claims use since May 12, 1914.

Ser. No. 156,066. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KIDDIE-TOWN PRODUCTS, INC., Seneca Falls, N. Y., assignor to E. M. Trimble Mfg. Co., Rochester, N. Y., a Corporation of New York. Filed Nov. 29, 1921.

KIDDIE-TOWN

Particular description of goods.—Infants' Folding Bathtubs and Combination Bath Cabinets and Tubs Made Wholly of Wood and Rubber Cloth.

Claims use since January, 1919.

Ser. No. 156,068. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KIDDIE TOWN PRODUCTS, INC., Seneca Falls, N. Y., assignor to E. M. Trimble Mfg. Co., Rochester, N. Y., a Corporation of New York. Filed Nov. 29, 1921.

BABY BATHINETTE

Particular description of goods.—Infants' Folding Bathtubs and Combination Bath Cabinets and Tubs Made Wholly of Wood and Rubber Cloth.

Claims use since January, 1919.

Ser. No. 156,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACKECHNIE BREAD COMPANY, Los Angeles, Calif. Filed Nov. 30, 1921.



Particular description of goods.—Bread.

Claims use since June 15, 1916.

Ser. No. 157,268. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GENERAL PHONOGRAPH CORPORATION, New York, N. Y. Filed Dec. 29, 1921.



Particular description of goods.—Talking-Machine and Phonograph Records.

Claims use since September, 1920.

Ser. No. 158,275. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRITZ KOBER, doing business as Wilh. Kober & Co., Suhl, Thuringia, Germany. Filed Jan. 21, 1922.

Diadem.

Particular description of goods.—Hair-Cutting Machines for Men and Animals; Shaving Outfits Comprising a Manual Holder for Safety-Razor Blades, a Set of Blades, and a Case for Holding New Blades; Razor Blades, Cigar Cutters, Mechanical Coupon Cutters; Marking, Fastening, and Perforating Tongs and Tongs for Fitting Lead Pipe; Can Openers, Apparatus for Controlling and Stamping Postage Matter.

Claims use since Oct. 5, 1909.

Ser. No. 158,379. (CLASS 39. CLOTHING.) THE BOLWAY COMPANY INC., Syracuse, N. Y. Filed Jan. 24, 1922.

CHERITA

"Cherita."

Particular description of goods.—Footwear—Namely, Shoes and Moccasins of Leather, Fabric, and Combinations of Leather and Fabric.

Claims use since about Apr. 1, 1918.

Ser. No. 159,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INTERNATIONAL COMPANY, Baltimore, Md. Filed Feb. 14, 1922.

VELVET WHIP

Particular description of goods.—Egg-White Preparation in Powdered Form Used by Bakers and Confectioners for Making White Cake, Kisses, Meringues, and Similar Products.

Claims use since Feb. 1, 1922.

Ser. No. 160,883. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) DAVID FRIEDMAN, doing business as Crown Malt Extract Co., Chicago, Ill. Filed Mar. 18, 1922.



Particular description of goods.—Malt Beverages, Extracts, and Liquors.

Claims use since Feb. 1, 1922.

Ser. No. 164,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FORT WAYNE DRUG COMPANY, Fort Wayne, Ind. Filed May 24, 1922.

NAFTALAN

Particular description of goods.—Pharmaceutical Preparation for the Treatment of Diseases of the Skin, Burns, Wounds, Ulcers, and Inflammatory Conditions of the Skin.

Claims use since Nov. 11, 1899.

Ser. No. 164,586. (CLASS 32. FURNITURE AND UPHOLSTERY.) FLORENCE MANUFACTURING COMPANY, Northampton, Mass. Filed May 27, 1922.

FLORENCE

Particular description of goods.—Hand Mirrors Made of Wood, Celluloid, and Composition.

Claims use since 1866.

Ser. No. 164,883. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE FAIR, Chicago, Ill. Filed June 3, 1922.



No claim is made to the word "Brand" or to the coloring or color design of the trade-mark, the lining in the drawing being intended for the purpose of shading only.

Particular description of goods.—Soap.

Claims use since on or about Mar. 15, 1922.

Ser. No. 167,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARTON CAN CORPORATION, Chicago, Ill. Filed July 22, 1922.

ARCTIC SWEETHEARTS

Particular description of goods.—Ice Cream, Ices, Sherbets, Sundaes, Frozen Puddings, and Confections.

Claims use since June 2, 1922.

Ser. No. 167,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE F. HINRICHS, INC., New York, N. Y. Filed Aug. 9, 1922.

Urebest

Particular description of goods.—Butter, Eggs, Cheese, and Dressed Poultry.

Claims use since May 6, 1921.

Ser. No. 168,246. (CLASS 37. PAPER AND STATIONERY.) THE ANCHOR PAPER COMPANY, Cincinnati, Ohio. Filed Aug. 15, 1922.

SILK TISSUE

No claim is made to the word "Tissue" apart from the mark as shown.

Particular description of goods.—Wrapping Paper.

Claims use since January, 1921.

Ser. No. 168,571. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. BIBBY & SONS LIMITED, Liverpool, England. Filed Aug. 22, 1922.

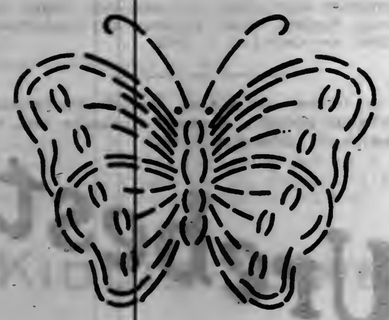


The picture shown is fanciful, and the lining appearing does not indicate color, the wording appearing on the drawing, except the name of the applicant, being disclaimed apart from the mark shown.

Particular description of goods.—Common Soaps and Toilet Soap.

Claims use since June 9, 1922.

Ser. No. 170,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FEARON, DANIEL COMPANY, Wilmington, Del., and Shanghai, Tientsin, and Hankow, China. Filed Oct. 3, 1922.



Particular description of goods.—Nuts and Nut Meats in Their Natural State.

Claims use since Jan. 15, 1919.

Ser. No. 170,285. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRISTEDE BROS. INC., New York, N. Y. Filed Oct. 4, 1922.

GARDEN BEAUTY

Particular description of goods.—Canned Vegetables.

Claims use since Aug. 1, 1922.

Ser. No. 170,963. (CLASS 39. CLOTHING.) H. WILENSKY & SONS, Atlanta, Ga. Filed Oct. 19, 1922.

TRAVELIGHT

Particular description of goods.—Shoes of Leather and Combinations of Leather and Fabric.

Claims use since about Sept. 15, 1922.

Ser. No. 171,285. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RITESON CRANE, INC., Chicago, Ill. Filed Oct. 27, 1922.

CRANE OIL BURNER

The mark consists of the words "Crane Oil Burner," in the fanciful design shown, with a paraph below the words extending the full length of the phrase, with the letters on the left of the "O" tapering uniformly and increasing in size and the letters on the right tapering uniformly and decreasing in size, with the letters "il" within the letter "O." No claim is made for the words composing the phrase aside from the mark as shown.

Particular description of goods.—Oil Burners, Regulators for Oil Burners, Oil Feeders for Oil Burners, Air Pumps and Blowers for Oil Burners, Oil Pumps for Oil Burners.

Claims use since June, 1920.

Ser. No. 171,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARVEY H. HALL, doing business as H. H. Hall Company, and Hallworthy Poultry Farm, Elyria, Ohio. Filed Nov. 3, 1922.

HALLWORTHY

Particular description of goods.—Baby Chickens.

Claims use since Jan. 1, 1921.

Ser. No. 172,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A/S SMITH KJEKSFABRIK, Christiania, Norway. Filed Nov. 15, 1922.



FRIDTJOF NANSEN

The mark consists of the name and portrait of the polar explorer, Fridtjof Nansen.

Particular description of goods.—Biscuit.

Claims use since November, 1921.

Ser. No. 172,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEABROOK COMPANY, Bridgeton, N. J. Filed Nov. 20, 1922.

SEABROOK

Particular description of goods.—Fresh Stone and Pome Fruits, Fresh Strawberries, Fresh Vegetables, and Fruit Pulp.

Claims use since Dec. 23, 1912.

Ser. No. 172,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTONIO OROFINO, doing business as Antonio Orofino & Co., New York, N. Y. Filed Nov. 24, 1922.

GAROFANO BRAND



No claim made to the exclusive use of the word "Brand" apart from the mark as shown in the drawing.

Particular description of goods.—Food Products—viz, Macaroni.

Claims use since May, 1921.

Ser. No. 173,155. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WAMESIT CHEMICAL COMPANY, Lowell, Mass. Filed Dec. 9, 1922.

LACTART

Particular description of goods.—Chemical Products—Namely, Lactic Acid, Ammonia, and Bisulphide of Soda.

Claims use since on or about June 25, 1884.

Ser. No. 174,205. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRUENDLER PATENT CRUSHER AND PULVERIZER COMPANY, St. Louis, Mo. Filed Jan. 5, 1923.

GRUENDLER
Whirl Beater

No claim is made to the words "Gruendler" and "Whirl Beater" apart from the mark shown, no common-law rights, however, being waived.

Particular description of goods.—Beaters, Grinders, and Shredders.

Claims use since Dec. 11, 1922.

Ser. No. 174,498. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED SANITARY PRODUCTS COMPANY INC., New York, N. Y. Filed Jan. 11, 1923.

LATHO WELL

Particular description of goods.—Liquid Soap.

Claims use since about Sept. 15, 1922.

Ser. No. 174,771. (CLASS 39. CLOTHING.) GEM-DANDY GARTER COMPANY, Madison, N. C. Filed Jan. 19, 1923.

GEM-DANDY

Particular description of goods.—Suspenders, Belts, and Arm Bands.

Claims use since Feb. 1, 1922.

Ser. No. 175,592. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Filed Feb. 6, 1923.

ALL RIGHT

Particular description of goods.—Lead Pencils.

Claims use since Dec. 1, 1890.

Ser. No. 175,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELLIOT A. JACOBS, New York, N. Y. Filed Feb. 9, 1923.

Cherié
PERFUMER

No claim is made to the word "Perfumer" apart from the mark in the drawing.

Particular description of goods.—Lip Sticks.
Claims use since Dec. 1, 1922.

Ser. No. 176,310. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLARENCE W. FIETH, doing business as Fieth Brothers, Kansas City, Mo. Filed Feb. 19, 1923.

BLUE BIRD

Particular description of goods.—Preparation for Dressings, Cleaners in Liquid, Plastic, and Powdered Form, and Polishes for Shoes.
Claims use since Dec. 1, 1922.

Ser. No. 177,867. (CLASS 39. CLOTHING.) GEO. H. REEL, Los Angeles, Calif. Filed Mar. 22, 1923.

REEL'S
GLOVES

The lining in drawing is for the purpose of shading only. No claim is made to the word "Gloves" apart from the mark as shown.

Particular description of goods.—Men's and Women's Gloves Made of Leather or Fabric.
Claims use since Mar. 3, 1923.

Ser. No. 178,172. (CLASS 12. CONSTRUCTION MATERIALS.) FISHER BUILDERS SUPPLY COMPANY, Covington, Ky. Filed Mar. 28, 1923.

ROCK-FACE
INDESTRUCTIBLE
STUCCO

Applicant disclaims the right to the exclusive use of the word "Indestructible" and to the words "Rock-Face Stucco."

Particular description of goods.—Stucco.
Claims use since July 20, 1922.

Ser. No. 178,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MELVIN H. STULTZ, Los Angeles, Calif. Filed Mar. 29, 1923.

STULTZ'S



Particular description of goods.—Prepared Chili Paste.
Claims use since Jan. 10, 1923.

Ser. No. 178,401. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MYRNA DALE MILLER, Los Angeles, Calif. Filed Mar. 31, 1923.

YOUBETCHERLAND

Particular description of goods.—Pennants.
Claims use since Feb. 26, 1923.

Ser. No. 178,419. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE CHAMBERS WAGNER, New York, N. Y. Filed Mar. 31, 1923.

DRIZITT

The lining shown in the drawing is employed merely to represent shading.

Particular description of goods.—Powder that Deodorizes and Checks Perspiration.
Claims use since Mar. 15, 1923.

Ser. No. 178,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRIS C. WILKINSON, Los Angeles, Calif. Filed Apr. 9, 1923.

W's

Particular description of goods.—Chewing Gum.
Claims use since Mar. 20, 1923.

Ser. No. 179,547. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JOHN A. MORGAN MACHINERY COMPANY, Los Angeles, Calif. Filed Apr. 23, 1923.

PARAGON
TRADE MARK
BALLERSTEDT
HIGH PRESSURE PUMP

No claim is made to the words "Trade Mark," "Ballerstedt," and "High Pressure Pump" apart from the mark shown in the drawing. The lining in drawing is for shading only.

Particular description of goods.—Pumps and Fluid-Pressure Motors.
Claims use since Sept. 12, 1922.

Ser. No. 179,935. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GENERAL ALUMINUM COMPANY, Knoxville, Tenn. Filed Apr. 30, 1923.

GENERAL

Particular description of goods.—Aluminum Ware—Namely, Dairy Pans, Teakettles, Teakettle Inserts, Double Boilers, Coffeepots, Percolators, Teapots, Preserving Kettles, Convex Kettles, Saucepans, Stewpans, Roasters, Covers, Casseroles, Crumb Trays, Water Pitchers, Water Pitcher with Ice Bridge, Sirup Pitcher, Omelette Pans, Fry Pans, Griddle-Cake Covers, Round Griddles, Dish Pans, Bread-Raising Pans, Mixing Bowls, Pudding Pans, Drip Pans, Bread Pans, Cooky Pans, Muffin Pans, Corn-Cake Pans, Cake Pans, Biscuit Pans, Pie Plates, Jelly-Cake Pans, Square Cake Pans, Tubed Cake Pans, Griddle Handles, Fry-Pan Handles, Serving Trays, Washbasins, Strainers with Colanders, Colanders, Sink Strainers, Skimmers, Strainer Ladles, Ladles, Dippers, Cream Dippers, Cake Turners, Tea or Coffee Strainers, Tea Strainers, Strainers, Tea Balls, Coffee Balls, Percolator Insets, Percolator Handles, Coffeepot Handles, Teapot Handles, Coffeepot Bases, Bottle Funnels, Funnels, Fruit-Jar Funnels, Combination Strainers, Fruit Funnels, Combination Funnels, Pudding Molds, Salad Molds, Jelly Molds, Salt and Pepper Shakers, Sugar or Salt Shakers, Toothpick Holders, Condiment Sets, Caster Sets, Butter Plates, Children's Cups, Cups, Collapsible Cups, Taper Cups, Nested Cups, Children's Cups and Saucers, Children's Plates, Egg Separators, Egg Poachers, Egg Cups, Lemonade Shakers, Soap Dishes, Soap Boxes, Bath Spray, Shaving Mugs, Toothbrush Holders, Letters, Numbers, Match Stands, Vegetable Cookers, Strainer Cookers, Self-Basting Roasters, Combination Steamer and Fry Pans, Combination Egg Poachers, Steamer and Fry Pan, Baking Dishes, Water Sets, and Children's Alphabet Plates.

Claims use since Aug. 24, 1921.

Ser. No. 180,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LUNDY CHEESE COMPANY, INC., Myrtle Point, Oreg. Filed May 2, 1923.

BEST FAMILY & TOURIST
FULL CREAM CHEESE

The use of the words "Best Family" and "Tourist" and also the words "Full Cream Cheese" is hereby disclaimed.

Particular description of goods.—Cream Cheese.
Claims use since Dec. 1, 1922.

Ser. No. 180,921. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUIS F. BOCKMANN, Chicago, Ill. Filed May 21, 1923.

TISU-EN-FOLD

Particular description of goods.—Folders or Greeting Cards.
Claims use since Apr. 30, 1923.

Ser. No. 181,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NIELSEN PACKING CO., San Francisco, Calif. Filed June 11, 1923.

El Rey

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Jan. 9, 1923.

Ser. No. 182,203. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CLARENCE W. COLE, doing business as C. W. Cole & Company, Los Angeles, Calif. Filed June 19, 1923.

LITEKRAFT

Particular description of goods.—Metallic Electric-Light Reflectors.
Claims use since about July, 1915.

Ser. No. 183,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.



Particular description of goods.—Toilet Lotions: Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Rouges, Eyebrow Pencils, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Face Powder.
Claims use since about July 1, 1923.

Ser. No. 183,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY T. GIBSON, INCORPORATED, New York, N. Y. Filed Aug. 1, 1923.



Particular description of goods.—Toilet Lotions; Face, Talcum, and Sachet Powders; Face Creams, Toilet Waters, Sachets, Rouges, Eyebrow Pencils, Face Rouge and Lip Rouge, Perfumes, Depilatories, Aromatic Vinaigres, and Liquid Face Powders.
Claims use since about July 1, 1923.

Ser. No. 183,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESCHER & YETTER MANUFACTURING COMPANY, Waterloo, Iowa, assignor to Instant Chocolate, Incorporated, Waterloo, Iowa, a Corporation of South Dakota. Filed Aug. 2, 1923.

QueenAnne

Particular description of goods.—Prepared Milk Chocolate.
Claims use since Apr. 24, 1923.

Ser. No. 184,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTIC STORES CORPORATION, Memphis, Tenn. Filed Aug. 4, 1923.

ATKINS SUPERIOR

Particular description of goods.—Sulphur, Turpentine for Medicinal Use, Alum, Aspirin, Petrolatum, Castor Oil, Epsom Salts, Tincture of Iodine, Spirits of Camphor, Sweet Oil, Glycerin, Bluestone, Borax, Saltpeter, Copperas, Carbolic Acid.
Claims use since about Mar. 1, 1923.

Ser. No. 184,195. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LAURENCE E. TIERNEY FUEL COMPANY, Bluefield, W. Va. Filed Aug. 7, 1923.

"TIERNEY'S POND CREEK"

Particular description of goods.—Coal.
Claims use since January, 1920.

Ser. No. 184,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed Aug. 20, 1923. Under ten-year proviso.

BOOTH'S CRESCENT

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Fish.
Claims use since 1880.

Ser. No. 184,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. PHILES, doing business as National Dermatological Institute, Washington, D. C. Filed Aug. 21, 1923.

Vaderin

Particular description of goods.—Face Creams, Face Lotions, Face Powders, and Hair Tonic.
Claims use since Sept. 1, 1901.

Ser. No. 185,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAUSMANN A.-G. SCHWEIZ. MEDIZINAL- & SANITÄTSGESCHÄFT ST. GALLEN, St. Gall, Switzerland. Filed Aug. 27, 1923.

Gamelan

Particular description of goods.—Preparations of Fats, Lipoids, and Waxes for Subcutaneous and Percutaneous Use in the Treatment of Tuberculosis of Human Beings.
Claims use since March, 1923.

Ser. No. 185,080. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Aug. 28, 1923.

INDIAN RED



Particular description of goods.—Belting Made of Fabric and Rubber and Sheet Packing Containing Rubber.
Claims use since 1896.

Ser. No. 185,249. (CLASS 39. CLOTHING.) F. FITZ GIBBON & CO., New York, N. Y. Filed Sept. 1, 1923.

SUPERLAMB

Particular description of goods.—Leather Gloves.
Claims use since July 12, 1923.

Ser. No. 185,206. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. SMITH & SON (REDDITCH) LTD., Redditch, England. Filed Sept. 1, 1923.

CENTURION

Particular description of goods.—Pins—Namely, Toilet Pins, Safety Pins, Knitting Pins, Hatpins, Hairpins, and Tie Pins—Needles, Crochet Hooks, Bodkins, All Being Goods of Ordinary Metal.
Claims use since Apr. 21, 1923.

Ser. No. 185,483. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MICHIGAN TANNING & EXTRACT COMPANY, Petoskey, Mich. Filed Sept. 7, 1923.

BOYNE CITY "DRY FOOT" SOLE LEATHER

Applicant hereby disclaims its exclusive use of the descriptive words "Sole Leather" and also the exclusive use of the geographical term "Boyne City."
Particular description of goods.—Leather.
Claims use since Aug. 1, 1923.

Ser. No. 185,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARK P. JACOBSEN COMPANY, Chicago, Ill. Filed Sept. 10, 1923.

TRADE MARK

"House of Quality"

The words "House of Quality," "Trade," and "Mark" are disclaimed apart from the other features of the mark shown on the drawing.
Particular description of goods.—Fresh Bananas, Oranges, Lemons, Grapefruit, Apples, Pears, Plums, Peaches, Cherries, Apricots, Berries, Cantaloupes, Melons, Pineapples, Grapes, Cabbage, Onions, Tomatoes, Potatoes, Sweet Potatoes, Beans, Peas, Cucumbers, Celery, Leaf Lettuce, Head Lettuce, Green Peppers, Carrots, Beets, Parsnips, Rutabagas, Radishes, Garlic, Parsley, Cauliflower, Pieplant, Spinach, Green Corn, and Squash.
Claims use since Sept. 1, 1920.

Ser. No. 185,629. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD BRICK & TILE COMPANY, Portland, Oreg. Filed Sept. 10, 1923.

Sylvanian

Particular description of goods.—Art Tile for Such Uses as Mantels, Floors, Walls, Etc., and for Roof Tiles Made Only of Burned Clay.
Claims use since Oct. 1, 1921.

Ser. No. 186,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Filed Sept. 24, 1923.

Paris POCAHONTAS FRANCE

No claim is made to the words "Paris" and "France" apart from the mark shown.
Particular description of goods.—Pastes and Powders for Beautifying and Preserving the Teeth and Skin, and Perfumery.
Claims use since July 1, 1923.

Ser. No. 186,245. (CLASS 37. PAPER AND STATIONERY.) NEWTON FALLS PAPER COMPANY, Newton Falls and New York, N. Y. Filed Sept. 26, 1923.

St Andrews Bond

The word "Bond" is disclaimed apart from the mark shown.
Particular description of goods.—Bond Paper and Ledger Paper.
Claims use since Aug. 24, 1923.

Ser. No. 186,348. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE BUCKEYE BRASS & MFG. CO., Cleveland, Ohio. Filed Sept. 29, 1923.

BUCKEYE Hy-Speed Better Built Bearing Bronze

No claim is made to the words "Better Built" and "Bearing Bronze" and the representation of the cored bar apart from the mark as shown.
Particular description of goods.—Bronze Bar Stock, Cored and Solid.
Claims use since Mar. 10, 1923.

Ser. No. 186,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS PACKING COMPANY, San Francisco, Calif. Filed Oct. 2, 1923.

Cream of Orchard

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, Canned Fish.
Claims use since 1906.

Ser. No. 186,570. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MALCIA EMELY SCHWARTZ, doing business as Mme. Emely, New York, N. Y. Filed Oct. 4, 1923.

Le Favorit

Particular description of goods.—Wearing Garments Which are Surgical, Sport, Elastic Corsets, and Hip Confiners.
Claims use since July 25, 1923.

Ser. No. 186,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORT WORTH CHAMBER OF COMMERCE, Fort Worth, Tex. Filed Aug. 11, 1923.



The central circular portion is lined for orange, and the ring space surrounding the central portion is lined for blue. The words "Fort Worth," "A Product of Tarrant County, Texas," and "Cantaloupe" are not claimed except as associated with the other features shown on the labels.
Particular description of goods.—Fresh, Preserved, Pickled, and Dried Cantaloupe.
Claims use since July 15, 1923.

Ser. No. 186,727. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STANDARD SANITARY MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Oct. 8, 1923.

"Standard"

The lining of drawing expresses colors black and green. No claim is made to the words "Plumbing Fixtures."
Particular description of goods.—Plumbing Fixtures—Namely, Bathtubs, Sinks, Lavatories, Water-Closets, Tanks, and Pipes and Fittings Belonging Thereto.
Claims use since about Sept. 15, 1923.

Ser. No. 187,192. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, doing business as M. C. D. Borden & Sons, Fall River, Mass. Filed Oct. 19, 1923.

SCOUT

Particular description of goods.—Cotton Piece Goods.
Claims use since April, 1911.

Ser. No. 187,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KWIK-SET COMPANY, Pasadena, Calif. Filed Oct. 25, 1923.

KWIK-SET

Particular description of goods.—Powdered Preparation to Quickly Make Jams, Jellies, with the Addition of a Small Amount of Sugar and Fresh Fruit Juices or Fruit or the Concentrated Flavors Actually Furnished with the Product.
Claims use since July 15, 1923.

Ser. No. 187,491. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SCHWALGE-SMITH COMPANY, Elmhurst, Ill. Filed Oct. 25, 1923.

FOUR IN ONE 4

Particular description of goods.—Incubators.
Claims use since Oct. 17, 1914.

Ser. No. 187,531. (CLASS 39. CLOTHING.) PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass. Filed Oct. 26, 1923.

PANTHER

Particular description of goods.—Rubber Heels and Soles.
Claims use since Mar. 1, 1909.

Ser. No. 187,532. (CLASS 39. CLOTHING.) PANTHER RUBBER MANUFACTURING COMPANY, Stoughton, Mass. Filed Oct. 26, 1923.



Particular description of goods.—Rubber Heels and Soles.
Claims use since Mar. 1, 1909.

Ser. No. 187,560. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. L. BENCHLEY, doing business as Benchley Fruit Co., Fullerton, Calif. Filed Oct. 27, 1923.

IMPERIAL

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Apr. 16, 1923.

Ser. No. 187,630. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ABRAHAM I. LEVIN, doing business as Rawhide Products Distributing Co., Kenilworth, N. J. Filed Oct. 29, 1923.

RAWHIDE

Particular description of goods.—Rubber Tires, Inner Tubes, Tire Flaps, Blow-Out and Tube Patches.
Claims use since April, 1922.

Ser. No. 187,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE T. PAYNE, Sacramento, Calif. Filed Oct. 29, 1923.

PAYNE'S PAINLESS CORN REMOVER

No claim made to the words "Painless Corn Remover" apart from the mark shown.

Particular description of goods.—Corn Remedy.

Claims use since Jan. 1, 1922.

Ser. No. 187,693. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Oct. 30, 1923.

THE MAN IN THE BROWN DERBY

Particular description of goods.—Title of a Colored Comic Page.

Claims use since Oct. 14, 1923.

Ser. No. 187,745. (CLASS 10. FERTILIZERS.) KNOXVILLE FERTILIZER COMPANY, Knoxville, Tenn. Filed Oct. 31, 1923.



No claim is made to the bag apart from the mark shown. The shading upon the empty sack illustrated in the drawing indicates green. The crossed lining on the drawing is not intended to represent the color black, but is merely a representation of the weave of the sack.

Particular description of goods.—Fertilizer.

Claims use since August, 1923.

Ser. No. 187,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANITARY FOOD MANUFACTURING CO., St. Paul, Minn. Filed Oct. 31, 1923.



Particular description of goods.—Candy.

Claims use since July 9, 1923.

Ser. No. 187,813. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GRISCOM-RUSSELL COMPANY, New York, N. Y. Filed Nov. 1, 1923.

U-FIN

Particular description of goods.—Fin-Tube Heat Exchangers—Namely, Air Heaters, Air Coolers, Motor Coolers, Generator Coolers, and Condensers.

Claims use since August, 1923.

Ser. No. 187,814. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, doing business as Peter's Shoe Company, St. Louis, Mo. Filed Nov. 1, 1923.



Particular description of goods.—Children's Shoes Made of Leather.

Claims use since 1907.

Ser. No. 187,889. (CLASS 39. CLOTHING.) UNITED RUBBER AND LEATHER COMPANY, Boston, Mass. Filed Nov. 2, 1923.

UNIT

Particular description of goods.—Boots and Shoes Composed of Rubber and of Rubber and Leather and for Heels and Soles of Rubber Alone and of Rubber Combined with Fibrous Material.

Claims use since Aug. 17, 1923.

Ser. No. 188,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLUMBUS W. ISAAC, Sacramento, Calif. Filed Nov. 5, 1923.

Columbus W. Isaac

The name is a facsimile of applicant's signature.

Particular description of goods.—Palliative for Rheumatism, Neuralgia, Sore Muscles, Nervousness, Toothache, Lumbago, and Swollen Glands.

Claims use since Oct. 10, 1921.

Ser. No. 188,021. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MILLERS FALLS COMPANY, Millers Falls, Mass. Filed Nov. 5, 1923.

RADIO

Particular description of goods.—Hand Drills and Screw Drivers.

Claims use since Aug. 10, 1923.

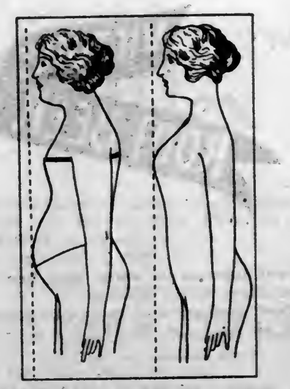
Ser. No. 188,074. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY ETTER STARR, Philadelphia, Pa. Filed Nov. 6, 1923.



Particular description of goods.—Books.

Claims use since Jan. 1, 1923.

Ser. No. 188,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGARETE LAUN, Munich, Germany. Filed Nov. 7, 1923.



TRANSFORMINE

Particular description of goods.—Fat-Reducing Remedy.

Claims use since 1911.

Ser. No. 188,128. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed Nov. 8, 1923.

SORBETTO

Particular description of goods.—Biscuits, Wafers, Crackers, Cakes, and Cookies.

Claims use since about Apr. 1, 1901.

Ser. No. 188,216. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERMANN LOEWENSTEIN, New York, N. Y. Filed Nov. 10, 1923.



Particular description of goods.—Gold and Silver Leather.

Claims use since Oct. 1, 1923.

Ser. No. 188,253. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GEORGE W. PEVERLY, Oxnard, Calif. Filed Nov. 12, 1923.

VICTORY ROOT BEER

Applicant disclaims the words "Root Beer" apart from the mark shown in the drawing.

Particular description of goods.—Root Beer.

Claims use since Apr. 22, 1919.

Ser. No. 188,302. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Nov. 14, 1923.



The word "Kraft" as contained in our application for the registration of our trade-mark is disclaimed; "Basket-weave" (trade-mark).

Particular description of goods.—Wrapping Paper.

Claims use since June 13, 1922.

Ser. No. 188,338. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STERLING ENGINE CO., Buffalo, N. Y. Filed Nov. 14, 1923.

"NEPTUNE"

Particular description of goods.—Internal-Combustion Engines.

Claims use since Sept. 1, 1921.

Ser. No. 188,395. (CLASS 39. CLOTHING.) WOBST SHOE COMPANY, Milwaukee, Wis. Filed Nov. 15, 1923.

WOBST

MERRY WALKER

Particular description of goods.—Men's, Women's, and Children's Boots and Shoes Made Wholly or in Part of Felt, Leather, and Cloth.

Claims use since Jan. 1, 1922.

Ser. No. 188,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASPEGREN & CO. INC., New York, N. Y. Filed Nov. 16, 1923.

SUPERLA

Drawing consists of the word "Superla."

Particular description of goods.—Lard Substitutes for Shortening and Frying Mediums.

Claims use since Oct. 19, 1923.

Ser. No. 188,448. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHARLES G. SPEECHER, doing business as The S & J Piston Ring Company, Baltimore, Md. Filed Nov. 16, 1923.

S & J

Exclusive use of the representation of a piston ring is hereby disclaimed.

Particular description of goods.—Piston Rings.

Claims use since Oct. 1, 1923.

Ser. No. 188,402. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LUXOR CAR MFG. CORP., New York, N. Y. Filed Nov. 17, 1923.



Applicant disclaims any right to the words appearing on the drawing except in the particular style in which the same are arranged and in conjunction with the trade-mark and accompanying design.

Particular description of goods.—Automobiles Including Taxicabs; Automobile Accessories—Namely, Wheels and Automobile Bodies Made Out of Metal or Composition of Different Materials; Wheels Made Out of Wood.

Claims use since Sept. 1, 1923.

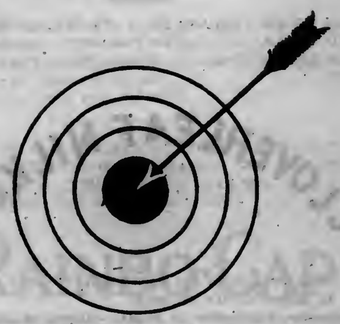
Ser. No. 188,566. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ESSYE K. POLLACK, New York, N. Y. Filed Nov. 19, 1923.

ESSYENETTE

Particular description of goods.—Bust Confiners for Medical Purposes.

Claims use since about Oct. 19, 1923.

Ser. No. 188,674. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE B. FRANKEL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 22, 1923.



The mark is fanciful.

Particular description of goods.—Hair Nets Made of Human Hair.

Claims use since July 1, 1922.

Ser. No. 188,960. (CLASS 39. CLOTHING.) GLADDING DRY GOODS CO., Providence, R. I. Filed Nov. 27, 1923.

"Gladflex"

Particular description of goods.—Boots, Shoes, Slippers, Overshoes, and Rubbers Made Wholly or in Part of Leather, Rubber, or Fabric.

Claims use since Oct. 1, 1923.

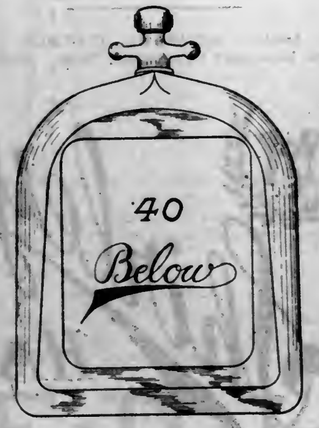
Ser. No. 188,992. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUTHER O. DRAPER, doing business as Luther O. Draper Shade Company, Spiceland, Ind. Filed Nov. 28, 1923.

DRATEX

Particular description of goods.—A Particular Quality of Cotton Duck Used in the Manufacture of Window Shades.

Claims use since June, 1923.

Ser. No. 189,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. PECK, Davenport, Iowa. Filed Nov. 30, 1923.



Particular description of goods.—Nonfreezing and Non-evaporating Automobile Radiator Solution.

Claims use since Nov. 1, 1922.

Ser. No. 189,132. (CLASS 39. CLOTHING.) Ovvio Hat Company, Chicago, Ill. Filed Dec. 1, 1923.



No claim made to the exclusive use of the words "Hats" Means More Class" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Hats.
Claims use since July 1, 1923.

Ser. No. 189,141. (CLASS 17. TOBACCO PRODUCTS.) Clemente Soler, doing business as Clemente Soler & Co., Tampa, Fla. Filed Dec. 1, 1923.

LA GLORIA

Particular description of goods.—Cigarettes.
Claims use since July 14, 1923.

Ser. No. 189,147. (CLASS 39. CLOTHING.) Washington Millinery Co., Seattle, Wash. Filed Dec. 1, 1923.



No claim is made to the exclusive use of the word "Hat" apart from the mark shown in the drawing.
Particular description of goods.—Ladies' Hats.
Claims use since Aug. 1, 1923.

Ser. No. 189,153. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) Detroit Steel Products Company, Detroit, Mich. Filed Dec. 3, 1923.

D

Particular description of goods.—Vehicle Springs.
Claims use since July 1, 1922.

Ser. No. 189,207. (CLASS 39. CLOTHING.) Simpson's (S. A.) Limited, Johannesburg, Transvaal, South Africa. Filed Dec. 4, 1923.

PANTIC

Particular description of goods.—Shaped Rubber Heels, Revolving Rubber Heels, Rubber Soles, and Rubber Heel Tips.
Claims use since Mar. 22, 1905.

Ser. No. 189,208. (CLASS 39. CLOTHING.) Simpson's (S. A.) Limited, Johannesburg, Transvaal, South Africa. Filed Dec. 4, 1923.

RONOVAR

Particular description of goods.—Shaped Rubber Heels, Revolving Rubber Heels, Rubber Soles, and Rubber Heel Tips.
Claims use since Feb. 22, 1906.

Ser. No. 189,240. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) The Cloverleaf Milker Company, Urbana, Ind. Filed Dec. 5, 1923.

CLOVERLEAF MILKER

No claim is made to the word "Milker" apart from the mark as shown in the drawing.
Particular description of goods.—Milking Machines and Pumping Outfits for Use Therewith and Parts Thereof, Including Pulsators, Teat Cups, Receivers, Pumps, and Tanks.
Claims use since January, 1921.

Ser. No. 189,268. (CLASS 39. CLOTHING.) The Phenix Shoe Mfg. Co., Milwaukee, Wis. Filed Dec. 5, 1923.



No claim is made to the exclusive use of the words "Shoes" or "Milwaukee" apart from the mark shown.
Particular description of goods.—Leather Shoes.
Claims use since Nov. 16, 1923.

Ser. No. 189,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) American Packing Company, Everett, Wash. Filed Dec. 6, 1923.

Western Beauty

Particular description of goods.—Canned Salmon.
Claims use since July 15, 1915.

Ser. No. 189,314. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) Kaufmann Bros. & Bondy, New York, N. Y. Filed Dec. 6, 1923.



Drawing consists of a conventionalized representation of a shamrock.
Particular description of goods.—Smokers' Pipes, Cigar Holders, and Cigarette Holders.
Claims use since Feb. 18, 1919.

Ser. No. 189,374. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) Rainbow Dash-Light Co., Berwyn, Ill. Filed Dec. 7, 1923.

RAINBO-CAP

No claim is made to the word "Cap" apart from the mark shown in the drawing.
Particular description of goods.—Metallic Lamp Caps, Globes, and Shades.
Claims use since May 1, 1922.

Ser. No. 189,402. (CLASS 39. CLOTHING.) The Governor Fastener Company, New York, N. Y. Filed Dec. 8, 1923.

GOVERNLASTIC

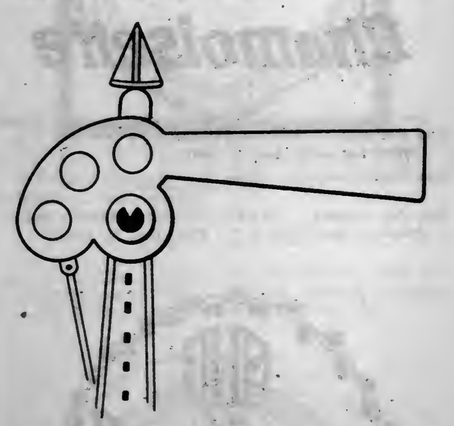
Particular description of goods.—Belts, Belting, and Elastics, These Goods Being Fastening, Retaining, Adjusting, and Supporting Devices Prepared for Use in the Construction of Wearing Apparel, Garters, and Neckties.
Claims use since Nov. 24, 1923.

Ser. No. 189,403. (CLASS 38. PRINTS AND PUBLICATIONS.) G. Charter Harrison Associates, New York, N. Y. Filed Dec. 8, 1923.

SEMAPHORE

"Semaphore."
Particular description of goods.—Prints, Drawings, Charts, Diagrams, Books, Instructions, and Opinions, All as Pertaining to Cost Engineering and Accounting, Business Analyses, and Printed Data, Principles, and Compilations with Respect Thereto.
Claims use since July, 1922.

Ser. No. 189,404. (CLASS 38. PRINTS AND PUBLICATIONS.) G. Charter Harrison Associates, New York, N. Y. Filed Dec. 8, 1923.



Particular description of goods.—Prints, Drawings, Charts, Diagrams, Books, Instructions, and Opinions, All as Pertaining to Cost Engineering and Accounting, Business Analyses, and Printed Data, Principles, and Compilations with Respect Thereto.
Claims use since July, 1922.

Ser. No. 189,415. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) Elgin D. Lombard, Holyoke, Mass. Filed Dec. 8, 1923.

E-D-L

Particular description of goods.—Packing and Pump Seats Used for Pumping Paper Stock or Stuff.
Claims use since on or about Mar. 1, 1919.

Ser. No. 189,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSE VON TILZER, St. Paul, Minn. Filed Dec. 10, 1923.

Rose Von Tilzer's
SCALP TONIC



The words "Scalp Tonic" apart from the mark shown being disclaimed.

Particular description of goods.—Scalp Tonic.

Claims use since Oct. 1, 1923.

Ser. No. 189,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JULIUS KAYSER & CO., New York, N. Y. Filed Dec. 11, 1923.

Chamoisette

Particular description of goods.—Cotton, Silk, Cotton and Silk, and Art Silk Piece Goods.

Claims use since Aug. 1, 1907.

Ser. No. 189,545. (CLASS 39. CLOTHING). ABE N. ADELSON, New York, N. Y. Filed Dec. 12, 1923.

AHC
Florison
NEW YORK

No claim is made to the words "New York" apart from the mark shown.

Particular description of goods.—Women's Hats.

Claims use since Nov. 15, 1923.

Ser. No. 189,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYRE AND ARENTZ, doing business as Hylyte Laboratories, Chicago, Ill. Filed Dec. 13, 1923.

THE ORIGINAL "MIX" BATTERY SOLUTION
Hylyte
MORE POWER, LIFE AND ACTION
ELIMINATES BATTERY TROUBLES
Hylyte
WILL NOT FREEZE
HYLYTE LABORATORIES
619 S DEARBORN ST.
CHICAGO, ILLINOIS.

No claim is made to the words "Battery Solution, More Power, Life and Action, Eliminates Battery Troubles, Will Not Freeze, 619 S. Dearborn St., Chicago, Illinois" apart from the mark shown.

Particular description of goods.—Battery Solution.

Claims use since Oct. 25, 1923.

Ser. No. 189,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARNER, WOODMAN CO. INC., Manchester, N. H. Filed Dec. 15, 1923.

LUSTER-FOAM

Particular description of goods.—Hair Shampoo.

Claims use since July, 1923.

Ser. No. 189,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. J. WALRATH & SONS, Conneaut, Ohio. Filed Dec. 17, 1923.

STOP-VERMIN

Particular description of goods.—Insecticides and Fungicides.

Claims use since Apr. 18, 1923.

Ser. No. 189,854. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Dec. 18, 1923.

STARLIGHT

Particular description of goods.—Men's, Women's, and Children's Shoes and Slippers of Leather and Also of Felt.

Claims use since Oct. 1, 1923.

Ser. No. 189,915. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE RIESER COMPANY, INC., New York, N. Y. Filed Dec. 19, 1923.

Aloha

Particular description of goods.—Hair Nets.

Claims use since Dec. 1, 1923.

Ser. No. 189,963. (CLASS 38. PRINTS AND PUBLICATIONS.) JAMES EDGAR BURTON, Indianapolis, Ind. Filed Dec. 21, 1923.

HOOSIER TOURS

"Hoosier Tours."

Particular description of goods.—Title for Periodical—Namely, a Travel Information Magazine Published Periodically.

Claims use since February, 1923.

Ser. No. 190,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. L. P. CO. INC., New York, N. Y. Filed Dec. 26, 1923.

LAVINIA



Particular description of goods.—Canned and Bottled Salad Oil.

Claims use since May 1, 1921.

Ser. No. 190,116. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MEDICO-DENTAL SPECIALTY CO., San Diego, Calif. Filed Dec. 26, 1923.

"Magir"

Particular description of goods.—Tooth Paste, Tooth-Stain Remover, and Pyorrhea Treatment.

Claims use since Nov. 1, 1923.

Ser. No. 190,134. (CLASS 39. CLOTHING.) THE STAR SUSPENDER & GARTER CO., New York, N. Y. Filed Dec. 26, 1923.

Quaker

Particular description of goods.—Garment Supporters, Suspenders, and Garters.

Claims use since 1920.

Ser. No. 190,205. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PREMIER MOTORS, INCORPORATED, Indianapolis, Ind. Filed Dec. 28, 1923.



Particular description of goods.—Automobiles, Including Passenger Automobiles and Taxicabs.

Claims use since about Aug. 1, 1915.

Ser. No. 190,206. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PREMIER MOTORS, INCORPORATED, Indianapolis, Ind. Filed Dec. 28, 1923.



Particular description of goods.—Automobiles, Including Passenger Automobiles and Taxicabs.
Claims use since about June or July, 1923.

Ser. No. 190,236. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CORK IMPORT CORPORATION, New York, N. Y. Filed Dec. 29, 1923.

NOVOID

Particular description of goods.—Cork Board.
Claims use since Oct. 16, 1923.

Ser. No. 190,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELLEGE S. ADELL, doing business as Romero Drug Co., El Paso, Tex. Filed Jan. 3, 1924.

CANARY PILLS

No claim is made to the use of the word "Pills" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto, as displayed.
Particular description of goods.—Laxative Pills.
Claims use since June, 1920.

Ser. No. 190,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZENA STAVIN, New York, N. Y. Filed Jan. 3, 1924.



No claim is made to the exclusive use of the words "Color Production" and the phrase "Reg. U. S. Pat. Off." apart from the mark shown on the drawing.
Particular description of goods.—Face Powder.
Claims use since Nov. 20, 1923.

Ser. No. 190,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLIFFORD L. WESTON, doing business as C. L. Weston Co., Plainfield, N. J. Filed Jan. 3, 1924.



The trade-mark consists of the hyphenated word "Jelli-Boon" in white upon a dark-colored panel of approximately diamond shape. The shading of this panel in the drawing is intended to represent blue, although any other suitable color may be used.
Particular description of goods.—Pure Fruit Jelly Compound.
Claims use since May 27, 1923.

Ser. No. 190,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLIFFORD L. WESTON, doing business as C. L. Weston Co., Plainfield, N. J. Filed Jan. 3, 1924.

Jelli-Boon

The trade-mark consists of the hyphenated word "Jelli-Boon."
Particular description of goods.—Pure Fruit Jelly Compound.
Claims use since May 27, 1923.

Ser. No. 190,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Jan. 3, 1924.

Veronal

The mark consists of the word "Veronal."
Particular description of goods.—Soporific Medicine, the Chemical Name of Which is Diethylbarbituric Acid and the Descriptive Name Barbital.
Claims use since Mar. 21, 1919.

Ser. No. 190,403. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP COMPANY, South Norwalk, Conn. Filed Jan. 4, 1924.

DYBOUND

The mark consists of the word "Dybound."
Particular description of goods.—Men's Hats and Caps.
Claims use since Dec. 8, 1923.

Ser. No. 190,439. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ABSORENE MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 5, 1924.

ABSORB-IT

Particular description of goods.—Periodical Publication Issued Monthly.
Claims use since Oct. 22, 1923.

Ser. No. 190,497. (CLASS 2. RECEPTACLES.) H. & L. EPSTEIN, INC., St. Louis, Mo. Filed Jan. 7, 1924.

Turo Jug

No exclusive claim is made to the word "Jug" apart from the mark as shown.
Particular description of goods.—Vacuum Jugs and Bottles.
Claims use since Nov. 15, 1923.

Ser. No. 190,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. MCKNOWN, doing business as Mack Products Co., Cleveland, Ohio. Filed Jan. 7, 1924.

MACK'S CAMPHOR RUB

Chas H. Mack's

Exclusive use of the words "Camphor Rub" is disclaimed, but common-law rights are not waived.
Particular description of goods.—Preparation Used for the Treatment of Chest Colds, Bronchitis, Sore Throat, Tonsillitis, Neuralgia, Neuritis, Rheumatism, Lumbago, Stiff Neck, Stiff Joints, Sore Muscles, Insect Stings, Sunburn, Chilblains, and Itching Piles.
Claims use since October, 1919.

Ser. No. 190,544. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HIND & HARRISON PLUSH CO., Clark Mills and New York, N. Y. Filed Jan. 8, 1924.

KARABAA

Particular description of goods.—Plushes in the Piece.
Claims use since Dec. 28, 1923.

Ser. No. 190,567. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) F. A. BARKER, Santa Monica, Calif. Filed Jan. 9, 1924.

F-A-B

Particular description of goods.—Motor-Vehicle Radiators and Parts Thereof—Namely, Radiator Cores, Radiator Shells, and Radiator Caps.
Claims use since Jan. 3, 1921.

Ser. No. 190,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND-O'NEAL MILLING CO., Mount Vernon and Springfield, Mo. Filed Jan. 9, 1924.

PRIZE BOLL

Particular description of goods.—Wheat Flour.
Claims use since Oct. 16, 1923.

Ser. No. 190,594. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IODYL ASSOCIATED CHEMISTS, INC., Brooklyn, N. Y. Filed Jan. 9, 1924.

FRAGRANTOL

The lining of drawing expresses the color of orange.
Particular description of goods.—Disinfectant Composed of Various Antiseptics.
Claims use since July 1, 1923.

Ser. No. 190,595. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IODYL ASSOCIATED CHEMISTS, INC., Brooklyn, N. Y. Filed Jan. 9, 1924.

NEROGEN

The fine vertical and oblique lines on the drawing being used merely for the purpose of shading and not to designate any particular color or colors.
Particular description of goods.—Healing Ointment.
Claims use since Dec. 1, 1921.

Ser. No. 190,610. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSSETA BROS. & COMPANY, Zolfo, Fla. Filed Jan. 9, 1924.

TWIN LAKES

Particular description of goods.—Fresh Fruits—Namely, Oranges, Grapefruit, Tangerines, Satsumas, Maderines, Limes, and Lemons.
Claims use since Oct. 10, 1923.

Ser. No. 190,663. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WOLVERINE SUPPLY & MANUFACTURING CO., Pittsburgh, Pa. Filed Jan. 10, 1924.

STRATEGY

Particular description of goods.—Chance-Controlled Game Played with Pieces.
Claims use since Dec. 1, 1923.

Ser. No. 190,681. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Jan. 11, 1924.

KALINEX

Particular description of goods.—Insecticides and Fungicides.
Claims use since Dec. 13, 1923.

Ser. No. 190,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. L. LEWIS, Birmingham, Ala. Filed Jan. 11, 1924.

Marie Louise

Particular description of goods.—Candies.
Claims use since Jan. 1, 1924.

Ser. No. 190,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 11, 1924.

ACRIVIOLET

Particular description of goods.—Coal-Tar Dyestuffs, Principally for Medicinal Use as a Disinfectant and Antiseptic.
Claims use since Dec. 3, 1923.

Ser. No. 190,735. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MASTER WOODWORKER MFG. CO., Detroit, Mich. Filed Jan. 12, 1924.

THE MASTER WOODWORKER

No claim is made to the word "Woodworker" apart from the mark as shown in the drawing.
Particular description of goods.—Woodworking Machines.
Claims use since Dec. 1, 1919.

Ser. No. 190,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORITZ SCHLESINGER, New York, N. Y. Filed Jan. 12, 1924.

SAV-O-DENT

Particular description of goods.—Tooth Paste.
Claims use since Nov. 22, 1923.

Ser. No. 190,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARON CORPORATION, New York, N. Y. Filed Jan. 14, 1924.



No claim made to the words "Toilet Powder" and "Paris" apart from the mark shown in the drawing.
Particular description of goods.—Toilet Powder.
Claims use since Dec. 7, 1923.

Ser. No. 190,787. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) INDIANA MANUFACTURING & ELECTRIC CO., Marion, Ind. Filed Jan. 14, 1924.

MECO

Particular description of goods.—Rear-View Mirrors.
Claims use since Dec. 1, 1923.

Ser. No. 190,792. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE A. KUBLER, New York, N. Y. Filed Jan. 14, 1924.

CERTIFIED

Particular description of goods.—Matrix, Dry Mat, or Board Used in Stereotyping and Electrotyping.
Claims use since Jan. 7, 1924.

Ser. No. 190,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. DE NORMANDIE, doing business as Naselmo Products Company, Brooklyn, N. Y. Filed Jan. 16, 1924.

NASELMO

Particular description of goods.—Embalming Supplies.
Claims use since Oct. 16, 1923.

Ser. No. 190,941. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOPHIA HAIR STORES COMPANY, New York, N. Y. Filed Jan. 17, 1924.

Sophia

The drawing indicates shading and not any particular color scheme.
Particular description of goods.—Soaps and Soap Preparations—Namely, Soap Chips, Liquid Soaps, Toilet Soap, Liquid Soap for Shampooing, and Soap for Manicuring Purposes, Consisting of Small Cakes to Soften the Cuticle.
Claims use since August, 1915.

Ser. No. 190,970. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHNSON & WHITING, Oakwood, Tex. Filed Jan. 18, 1924.



Particular description of goods.—Insecticide.
Claims use since 1920.

Ser. No. 190,985. (CLASS 31. FILTERS AND REFRIGERATORS.) STANTON F. PETERSON, doing business as The Freezocrat Container Co., New London, Conn. Filed Jan. 18, 1924.

Freezocrat

Particular description of goods.—Ice-Cream-Packing Receptacles.
Claims use since Sept. 1, 1923.

Ser. No. 191,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANISLAW GRUDZIASZ, Seymour, Conn. Filed Jan. 19, 1924.



The portrait appearing in the drawing is that of applicant.
Particular description of goods.—Wound-Healing Salve.
Claims use since Dec. 15, 1923.

Ser. No. 191,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO ELBERT HARMON, Kiowa, Kans. Filed Jan. 19, 1924.

Saltsetts

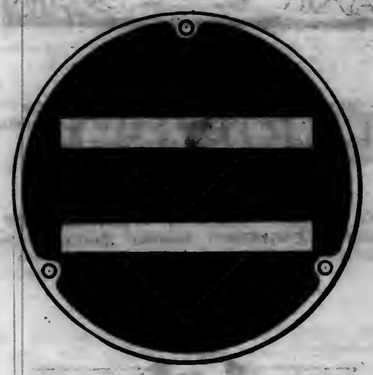
Particular description of goods.—Epsom-Salts Tablets.
Claims use since Mar. 1, 1920.

Ser. No. 191,052. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIGELOW-HARTFORD CARPET CO., Clinton, Mass.; Thompsonville, Conn., and New York, N. Y. Filed Jan. 21, 1924. Under section 5[p], act of 1905, as amended 1920.

"Hartford-Saxony"

Particular description of goods.—Textile Carpets and Rugs.
Claims use since June, 1893.

Ser. No. 191,064. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FEDERAL PRESSED STEEL COMPANY, Milwaukee, Wis. Filed Jan. 21, 1924.



Particular description of goods.—Bumpers.
Claims use since Dec. 18, 1923.

Ser. No. 191,160. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) F. R. ARNOLD & CO., New York, N. Y. Filed Jan. 23, 1924.

PASSIONATA

Particular description of goods.—Soaps.
Claims use since Aug. 21, 1923.

Ser. No. 191,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY J. CALAJOE, New York, N. Y. Filed Jan. 23, 1924.

GLANTOX

Particular description of goods.—Glandular Preparation for the Treatment of General Debility, Mental Depression, Nervousness, Loss of Manhood, Lame Back, Lack of Energy, Sleeplessness, and Similar Ailments.
Claims use since about Aug. 15, 1923.

Ser. No. 191,198. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed Jan. 23, 1924.

WHITE RIBBON

Particular description of goods.—Soap.
Claims use since Feb. 1, 1908.

Ser. No. 191,214. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN PRINTING COMPANY, Fall River, Mass. Filed Jan. 24, 1924.

BORDONIA

Particular description of goods.—Cotton Piece Goods.
Claims use since May, 1915.

Ser. No. 191,219. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTER BROWNLEY, Washington, D. C. Filed Jan. 24, 1924.

THE ROTARY KID

Particular description of goods.—Balancing Figure Toys.
Claims use since Jan. 24, 1924.

Ser. No. 191,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA CYANIDE COMPANY, Los Angeles, Calif. Filed Jan. 24, 1924.

CALCYCo

Particular description of goods.—Sodium Cyanide.
Claims use since Nov. 7, 1923.

Ser. No. 191,221. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBO-SEPTIC CORPORATION, Rahway, N. J. Filed Jan. 24, 1924.

Carbo-Septic

"Carbo-Septic."
Particular description of goods.—Medical Compound for Use as a Gargle.
Claims use since Dec. 14, 1923.

Ser. No. 191,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GOODWIN LABORATORIES, St. Paul, Minn. Filed Jan. 24, 1924.

Lovely Lady

Particular description of goods.—Liquid Cleansing Cream.
Claims use since about Sept. 15, 1923.

Ser. No. 191,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 24, 1924.

ORIDINE

"Oridine."
Particular description of goods.—Organic Iodine Compound.
Claims use since about Apr. 1, 1923.

Ser. No. 191,234. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDLAND CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 24, 1924.

STERLING WHITE

Particular description of goods.—Lithopone.
Claims use since May 20, 1915.

Ser. No. 191,238. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Jan. 24, 1924.

Phillipscloth

Particular description of goods.—Cotton Piece Goods.
Claims use since September, 1922.

Ser. No. 191,263. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Ez-Go Co., Atlanta, Ga. Filed Jan. 25, 1924.



Particular description of goods.—Carbon Remover.
Claims use since Jan. 3, 1924.

Ser. No. 191,284. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STEINFELS FRÈRES & Co., Vincennes, France. Filed Jan. 25, 1924.

CHANSON D'ÉTÉ

Particular description of goods.—Soaps.
Claims use since June 27, 1922.

Ser. No. 191,285. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STEINFELS FRÈRES & Co., Vincennes, France. Filed Jan. 25, 1924.

FLEUR ARDENTE

Particular description of goods.—Soaps.
Claims use since Oct. 18, 1920.

Ser. No. 191,288. (CLASS 31. FILTERS AND REFRIGERATORS.) TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Filed Jan. 25, 1924.

CAVALIER

Particular description of goods.—Refrigerators.
Claims use since about Nov. 1, 1923.

Ser. No. 191,289. (CLASS 31. FILTERS AND REFRIGERATORS.) TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Filed Jan. 25, 1924.



Particular description of goods.—Refrigerators.
Claims use since about Nov. 1, 1923.

Ser. No. 191,302. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) F. CHARATAN AND SON, LIMITED, London, England. Filed Jan. 26, 1924.

UNDERBOAR

Particular description of goods.—Tobacco Pipes.
Claims use since March, 1922.

Ser. No. 191,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DRUG & PRESS ASSOCIATION, Decorah, Iowa. Filed Jan. 28, 1924.

HY-PEP-SEN

Particular description of goods.—Preparation for the Treatment of Stomach Trouble, Nervous Indigestion, Sleeplessness, and General Debility.
Claims use since Apr. 13, 1916.

Ser. No. 191,371. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PETER DELANEY, doing business as Delaney & Young, Eureka, Calif. Filed Jan. 28, 1924.

O-P-L

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Nov. 7, 1923.

Ser. No. 191,375. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Jan. 28, 1924.

MOORLAND

Particular description of goods.—Zephyr Ginghams in the Piece.
Claims use since July, 1922.

Ser. No. 191,431. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GREENSBORO PEPSI COLA BOTTLING COMPANY, Greensboro, N. C. Filed Jan. 29, 1924.

White Rose

Particular description of goods.—Ginger Ale.
Claims use since Jan. 1, 1912.

Ser. No. 191,550. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MURRAY TRADING COMPANY, INC., New York, N. Y. Filed Jan. 31, 1924.



Particular description of goods.—Cotton Pongee in the Piece.
Claims use since Jan. 2, 1924.

Ser. No. 191,552. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

AIRCRAFT

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,553. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.



Particular description of goods.—Toilet Tissue Paper.
Claims use since Mar. 30, 1923.

Ser. No. 191,554. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

Argonaut

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,556. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

BEACH

Particular description of goods.—Toilet Tissue Paper.
Claims use since May 18, 1923.

Ser. No. 191,557. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

Collegian

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,558. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

GOBLIN

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,559. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

PIUTE

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,560. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif., and Carthage, N. Y. Filed Jan. 31, 1924.

SOUTHLAND

Particular description of goods.—Toilet Tissue Paper.
Claims use since Apr. 19, 1923.

Ser. No. 191,629. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS LA BOSIE, Rochester, N. Y. Filed Feb. 1, 1924.

MATCHEM

"Matchem."
Particular description of goods.—Table Game Played with Pieces and Marked Cubes, Cards, or Rotary Counter.
Claims use since Dec. 15, 1923.

Ser. No. 191,648. (CLASS 37. PAPER AND STATIONERY.) TENSION ENVELOPE COMPANY, INC., New York and Brooklyn, N. Y. Filed Feb. 1, 1924.

DUOPOST

Particular description of goods.—Mailing Envelopes.
Claims use since about Nov. 15, 1923.

Ser. No. 191,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAMBER PRODUCTS CORPORATION, Buffalo, N. Y. Filed Feb. 2, 1924.

Manru

Particular description of goods.—Coffee.
Claims use since Dec. 18, 1923.

Ser. No. 191,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROMWELL CO-OPERATIVE CREAMERY ASSOCIATION, Cromwell, Minn. Filed Feb. 4, 1924.



The following descriptive words have been disclaimed apart from the mark as shown on the drawing: "Extra Fancy", "Creamery Butter", and "Brand."
Particular description of goods.—Butter.
Claims use since 1912.

Ser. No. 191,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CROMWELL CO-OPERATIVE CREAMERY ASSOCIATION, Cromwell, Minn. Filed Feb. 4, 1924.



The words "Brand", "Creamery" and "Butter" have been disclaimed apart from the mark as shown on drawing.
Particular description of goods.—Butter.
Claims use since 1912.

Ser. No. 191,755. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DELATOUR BEVERAGE CORPORATION, New York and Long Island City, N. Y. Filed Feb. 4, 1924.



No claim made to the printed words apart from the mark shown in the drawing.
Particular description of goods.—Ginger Ale.
Claims use since Jan. 17, 1924.

Ser. No. 191,758. (CLASS 33. GLASSWARE.) E. E. DIETZ COMPANY, New York, N. Y. Filed Feb. 4, 1924.

LITTLE WIZARD

Particular description of goods.—Glass Globes for Lanterns.
Claims use since 1914.

Ser. No. 191,792. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOMMER-PELZER CO., Cincinnati, Ohio. Filed Feb. 4, 1924.

Sompelco

Particular description of goods.—Handkerchiefs.
Claims use since on or about Apr. 28, 1923.

Ser. No. 191,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ACME MILLS, doing business as Kentucky Milling Co., Hopkinsville, Ky. Filed Feb. 5, 1924.

COTTON PATCH

Particular description of goods.—Self-Rising Flour.
Claims use since July 21, 1923.

Ser. No. 191,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ACME MILLS, doing business as Kentucky Milling Co., Hopkinsville, Ky. Filed Feb. 5, 1924.

Gold Bar

Particular description of goods.—Wheat Flour.
Claims use since July 21, 1923.

Ser. No. 191,804. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ACME MILLS, doing business as Kentucky Milling Co., Hopkinsville, Ky. Filed Feb. 5, 1924.

SILVER BAR

Particular description of goods.—Wheat Flour.
Claims use since July 21, 1923.

Ser. No. 191,821. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DURAND-MCNEIL-HORNER CO., Chicago, Ill. Filed Feb. 5, 1924.

NONE-SUCH

Particular description of goods.—Root Beer, Orangeade, Grape Juice, and Ginger Ale.
Claims use since 1875.

Ser. No. 191,832. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEAD JOHNSON & COMPANY, Evansville, Ind. Filed Feb. 5, 1924.



The lining in the drawing indicates the color blue.
Particular description of goods.—Cereal Breakfast Foods.
Claims use since Nov. 7, 1923.

Ser. No. 191,841. (CLASS 45. BEVERAGES, NONALCOHOLIC.) H. C. SCHRANCK COMPANY, Milwaukee, Wis. Filed Feb. 5, 1924.

Pep Life

Particular description of goods.—Nonintoxicating, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups Used in Preparation of Same.
Claims use since 1903.

Ser. No. 191,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TAYLOR CORPORATION, Los Angeles, Calif. Filed Feb. 6, 1924.

TACOR

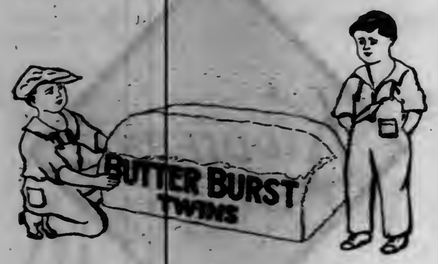
Particular description of goods.—Canned Fruits and Vegetables.
Claims use since about May 5, 1922.

Ser. No. 191,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JONATHAN HALE & SONS, Ionia, Mich. Filed Feb. 7, 1924.

KING-BIRD

Particular description of goods.—Self-Rising Flour.
Claims use since February, 1917.

Ser. No. 191,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED JOHNSON, De Ridder, La. Filed Feb. 7, 1924.



Particular description of goods.—Bread.
Claims use since Aug. 15, 1923.

Ser. No. 191,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR G. MADDOCK, doing business as Monrovia Mutual Association, Duarte, Calif. Filed Feb. 7, 1924.

OLD CROW

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 10, 1923.

Ser. No. 191,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Feb. 7, 1924.

DUCKEE

Particular description of goods.—Face Powder.
Claims use since Dec. 19, 1922.

Ser. No. 192,000. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALDERMAN, FAIRCHILD COMPANY, Rochester, N. Y. Filed Feb. 8, 1924.

Peg ♥ ◎ ♥ Heart

Particular description of goods.—Game Known as Pegoheart, a Floor Game Played with a Surface of Any Suitable Material in Which are Affixed Upright Numbered Pegs and Rings of Any Suitable Material for Throwing Over Said Pegs.
Claims use since Jan. 7, 1924.

Ser. No. 192,045. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Feb. 8, 1924.

Nutradiet

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Oct. 15, 1923.

Ser. No. 192,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed Feb. 9, 1924.

ANHEUSER-BUSCH BRAND



No claim is made for the word "Brand" appearing on the drawing.
Particular description of goods.—Gluten Feed.
Claims use since Sept. 25, 1923.

Ser. No. 192,478. (CLASS 17. TOBACCO PRODUCTS.) H. M. G. CIGAR COMPANY, La Grange, Ga. Filed Feb. 18, 1924.

ITSATAMPA

Particular description of goods.—Cigarettes, Cigars, and Smoking Tobacco.
Claims use since January, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MARCH 25, 1924.

181,546. CIGARETTES, CIGARS, AND SMOKING TOBACCO. GENERAL TOBACCO COMPANY, Louisville, Ky., and Chicago, Ill.
Filed October 22, 1923. Serial No. 187,308. PUBLISHED JANUARY 1, 1924.

181,547. TIRE CARRIERS. THE INTERNATIONAL STAMPING CO., Chicago, Ill.
Filed October 22, 1923. Serial No. 187,314. PUBLISHED JANUARY 1, 1924.

181,548. THEATERS AND FIGURES. KIDDIE'S KARNIVAL CORPORATION, Eufaula, Ala.
Filed October 22, 1923. Serial No. 187,318. PUBLISHED JANUARY 8, 1924.

181,549. DARKENER FOR EYEBROWS AND EYELASHES. MAYBELLINE COMPANY, INC., Chicago, Ill.
Filed October 22, 1923. Serial No. 187,333. PUBLISHED DECEMBER 25, 1923.

181,550. BABY-CHICK FEED. SPERRY FLOUR COMPANY, San Francisco, Calif.
Filed October 23, 1923. Serial No. 187,891. PUBLISHED JANUARY 1, 1924.

181,551. SHIPPING CONTAINERS FOR ICE CREAM. JAMES R. ELLIS, Washington, D. C.
Filed October 24, 1923. Serial No. 187,409. PUBLISHED JANUARY 8, 1924.

181,552. LIQUID SOAP. FREDERICK L. EMMERT, doing business as F. L. Emmert & Co., Cincinnati, Ohio.
Filed October 24, 1923. Serial No. 187,411. PUBLISHED JANUARY 1, 1924.

181,553. GARMENT-HANGING DEVICE. LAZY SUE HANGER COMPANY, Washington, D. C.
Filed October 24, 1923. Serial No. 187,425. PUBLISHED JANUARY 1, 1924.

181,554. ABRASIVE PAPER AND CLOTH. H. H. BARTON & SON CO., INC., Philadelphia, Pa.
Filed October 25, 1923. Serial No. 187,451. PUBLISHED JANUARY 1, 1924.

181,555. CANNED GOODS—NAMELY, CORN. HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo.
Filed October 25, 1923. Serial No. 187,459. PUBLISHED JANUARY 8, 1924.

181,556. LADIES' AND CHILDREN'S WEARING APPAREL, BEING THAT OF UNDERWEAR—NAMELY, THAT OF BLOOMERS, STEP-INS, VESTS, PYJAMAS, GOWNS, PETTICOATS—AND LADIES' ATHLETIC AND NOVELTY GARMENTS OF TEXTILE FABRIC. LA MODE GARMENT CO., INC., Chicago, Ill.
Filed October 25, 1923. Serial No. 187,468. PUBLISHED JANUARY 1, 1924.

181,557. SOFT-DRINK POWDER. NATIONAL FOOD PRODUCTS CORPORATION, INC., Los Angeles, Calif.
Filed October 25, 1923. Serial No. 187,475. PUBLISHED JANUARY 1, 1924.

181,558. LADIES' AND CHILDREN'S WEARING APPAREL, BEING THAT OF UNDERWEAR. ROBERTS-FRANK & CO., INC., Chicago, Ill.
Filed October 26, 1923. Serial No. 187,486. PUBLISHED JANUARY 1, 1924.

181,559. CIGARS. RUDOLPH SCHWARTZ, San Francisco, Calif.
Filed October 25, 1923. Serial No. 187,492. PUBLISHED JANUARY 1, 1924.

181,560. SUN-DRIED AND SALT-CURED CODFISH. BRIDGETTS & CO., New York, N. Y.
Filed October 26, 1923. Serial No. 187,505. PUBLISHED JANUARY 8, 1924.

181,561. THE TITLE OF A NEWSPAPER. KEYSTONE AMERICAN, INC., Pittsburgh, Pa.
Filed October 26, 1923. Serial No. 187,522. PUBLISHED JANUARY 8, 1924.

181,562. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 27, 1923. Serial No. 187,576. PUBLISHED JANUARY 8, 1924.

181,563. LEATHER KEY PURSES, LEATHER COIN PURSES, AND LEATHER WALLETS. NEV-A-HONE RAZOR STROP COMPANY, New York, N. Y.
Filed October 27, 1923. Serial No. 187,587. PUBLISHED JANUARY 8, 1924.

181,564. STOVE POLISH AND SHOE POLISH. MRS. MAGGIE FRIZZELL, Sweet Springs, Mo.
Filed October 29, 1923. Serial No. 187,619. PUBLISHED JANUARY 1, 1924.

181,565. SOFT DRINKS. WILLIAM D. ADAMS, Gadsden, Ala.
Filed October 30, 1923. Serial No. 187,655. PUBLISHED JANUARY 1, 1924.

181,566. CERTAIN NAMED PIECE GOODS. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed October 30, 1923. Serial No. 187,689. PUBLISHED JANUARY 1, 1924.

181,567. STOVE POLISH. WILLARD S. MONTGOMERY, Brooklyn, N. Y.
Filed October 30, 1923. Serial No. 187,690. PUBLISHED JANUARY 1, 1924.

181,568. SERIAL SPORTING COLUMN OR SECTION. THE SUN-HERALD CORPORATION, New York, N. Y.
Filed October 30, 1923. Serial No. 187,700. PUBLISHED JANUARY 8, 1924.

181,569. BEER, STOUT, ALE, PORTER. GUSTAV L. BECKER, doing business as Becker Products Co., Ogden, Utah.
Filed October 31, 1923. Serial No. 187,708. PUBLISHED JANUARY 8, 1924.

181,570. CERTAIN PIECE GOODS. MARION MILLER, New York, N. Y.
Filed October 31, 1923. Serial No. 187,754. PUBLISHED JANUARY 8, 1924.

181,571. BAKING POWDER. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 31, 1923. Serial No. 187,772. PUBLISHED JANUARY 1, 1924.

181,572. GINGER ALE. SUNBEAM WATER COMPANY, Philadelphia, Pa.
Filed October 31, 1923. Serial No. 187,782. PUBLISHED JANUARY 1, 1924.

181,573. LOTION FOR MOUTH AND THROAT. THE BAFALINE LABORATORIES, INC., Manchester, N. H.
Filed November 1, 1923. Serial No. 187,788. PUBLISHED JANUARY 1, 1924.

181,574. APRONS, BUNGALOW STYLE. CAMERON AND COMPANY, INC., Napa, Calif.
Filed November 1, 1923. Serial No. 187,793. PUBLISHED JANUARY 1, 1924.

181,575. MONTHLY MAGAZINE. MILLER-MATTHEWS PUBLISHING COMPANY, Charleston, W. Va.
Filed November 1, 1923. Serial No. 187,832. PUBLISHED JANUARY 8, 1924.

181,576. WEEKLY MAGAZINE. AMERICAN TRADE PUBLISHING CO., New York, N. Y.
Filed November 2, 1923. Serial No. 187,841. PUBLISHED JANUARY 8, 1924.

181,577. CHAMOIS SKINS. HENRY KOERNER & COMPANY, New York, N. Y.
Filed November 2, 1923. Serial No. 187,871. PUBLISHED JANUARY 1, 1924.

181,578. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed November 3, 1923. Serial No. 187,935. PUBLISHED JANUARY 8, 1924.

181,579. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed November 3, 1923. Serial No. 187,937. PUBLISHED JANUARY 8, 1924.

181,580. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed November 3, 1923. Serial No. 187,931. PUBLISHED JANUARY 8, 1924.

181,581. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed November 3, 1923. Serial No. 187,928. PUBLISHED JANUARY 8, 1924.

181,582. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed November 3, 1923. Serial No. 187,930. PUBLISHED JANUARY 8, 1924.

181,583. SILK PIECE GOODS. WECHSLER BARBER SILK COMPANY, INC., New York, N. Y.
Filed November 1, 1923. Serial No. 187,904. PUBLISHED JANUARY 8, 1924.

181,584. HAIR TONIC. LEWIS BROS., INC., New York, N. Y.
Filed November 2, 1923. Serial No. 187,872. PUBLISHED JANUARY 1, 1924.

181,585. HAIR NETS. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed November 3, 1923. Serial No. 187,939. PUBLISHED JANUARY 8, 1924.

181,586. KNITTED OUTER GARMENTS AND UNDERGARMENTS—NAMELY, KNITTED CAPES; HATS FOR MEN, WOMEN, AND CHILDREN; MUFFLERS, SCARFS, GLOVES OF KNITTED FABRIC, MITTENS, LEGGINGS, SWEATERS, VESTS, COATS, AND HOSIERY. D. NUSBAUM & CO., INC., New York and Woodhaven, N. Y.
Filed July 20, 1922. Serial No. 167,140. PUBLISHED JANUARY 15, 1924.

181,587. PREPARATION FOR MINERS' CONSUMPTION. FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo.
Filed July 14, 1922. Serial No. 166,875. PUBLISHED JANUARY 1, 1924.

181,588. LUBRICATING GREASE IN CARTRIDGE FORM. MARTIN PRODUCTS COMPANY, San Francisco, Calif.
Filed July 11, 1922. Serial No. 166,746. PUBLISHED JANUARY 8, 1924.

181,589. PREPARATION FOR THE TREATMENT OF LA GRIPPE, INFLUENZA, AND COLDS. FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo.
Filed July 11, 1922. Serial No. 166,734. PUBLISHED JANUARY 1, 1924.

181,590. ASPIRIN. STANDARD LABORATORIES, Des Moines, Iowa.
Filed July 8, 1922. Serial No. 166,610. PUBLISHED JANUARY 8, 1924.

181,591. MEN'S OUTING, DRESS, AND WORK SHIRTS. STEIN BARNETT SHIRT COMPANY, INC., New York, N. Y.
Filed July 7, 1922. Serial No. 166,574. PUBLISHED NOVEMBER 14, 1922.

181,592. BOWEL AND SYSTEM TONIC. FRANK SWINNEY CAPLES, doing business as F. S. Caples Laboratories, Joplin, Mo.
Filed July 5, 1922. Serial No. 166,502. PUBLISHED JANUARY 1, 1924.

181,593. CAPS FOR MEN, WOMEN, AND CHILDREN. WILLIAM LONDON, High Point, N. C.
Filed June 20, 1922. Serial No. 165,753. PUBLISHED MAY 8, 1923.

181,594. STORAGE BATTERIES. CAMEL DRY STORAGE BATTERY CO., Dallas, Tex.
Filed May 31, 1922. Serial No. 164,694. PUBLISHED JUNE 26, 1923.

181,595. CERTAIN NAMED GLASS. CALIFORNIA GLASS & PAINT CO., Los Angeles, Calif.
Filed May 25, 1922. Serial No. 164,496. PUBLISHED JANUARY 8, 1924.

181,596. ELECTRIC STORAGE BATTERIES. ALBERT SETZER, Providence, R. I.
Filed May 19, 1922. Serial No. 164,129. PUBLISHED APRIL 24, 1923.

181,597. SILK UNDERGARMENTS AND SILK CAMISOLES. FANTL BROTHERS & LEWIS, Chicago, Ill.
Filed May 17, 1922. Serial No. 163,974. PUBLISHED OCTOBER 10, 1922.

181,598. FUELS FOR INTERNAL-COMBUSTION ENGINES. PENNSYLVANIA SYNTHETIC GAS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed April 25, 1922. Serial No. 162,887. PUBLISHED JANUARY 8, 1924.

181,599. CHOCOLATE-COATED CREAM PEANUT BAR. A. B. MEWHINNEY CO. INC., also doing business as Mewhinney's, Terre Haute, Ind.
Filed April 19, 1922. Serial No. 162,563. PUBLISHED JANUARY 8, 1924.

181,600. CONFECTION IN THE FORM OF A DOUGHNUT COMPOSED OF A FILLER OF FROZEN MATERIAL AND A COATING OR ENVELOPE FOR SAID FILLER. JOHN BUCKLEY, Logan, Utah.
Filed April 17, 1922. Serial No. 162,376. PUBLISHED JANUARY 1, 1924.

181,601. GASOLINE. THE OHIO REFINING COMPANY, Cincinnati, Ohio.
Filed April 14, 1922. Serial No. 162,310. PUBLISHED JANUARY 9, 1923.

181,602. READY-MIXED PAINTS. THE FERBERT-SCHORNDORFER COMPANY, West Park, Cleveland, Ohio.
Filed February 23, 1922. Serial No. 159,607. PUBLISHED JANUARY 8, 1924.

181,603. COMPOUND FOR REMOVING CARBON AND OTHER FOREIGN PARTICLES FROM INTERNAL-COMBUSTION ENGINES. VIVIAN A. SHORTT, Indianapolis, Ind.
Filed December 13, 1921. Serial No. 156,663. PUBLISHED JUNE 5, 1923.

181,604. TALKING MACHINES. CHARLES M. ROBINSON, Cincinnati, Ohio.
Filed June 20, 1921. Serial No. 149,422. PUBLISHED SEPTEMBER 26, 1922.

181,605. CIGARS. MAGNOLIA CIGAR CO., Brooklyn, N. Y.
Filed May 23, 1921. Serial No. 148,083. PUBLISHED JANUARY 8, 1924.

181,606. CANDY TOYS. CANDY-TOY COMPANY OF AMERICA, Harrisburg, Pa.
Filed January 17, 1923. Serial No. 174,689. PUBLISHED JANUARY 8, 1924.

181,607. SUITS, OVERCOATS, SWEATERS, HATS, AND CAPS, ALL FOR BOYS. J. SAMUELS AND BROTHERS, INCORPORATED, Providence, R. I.
Filed January 10, 1923. Serial No. 174,411. PUBLISHED OCTOBER 16, 1923.

181,608. SEMIPASTE PAINT. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn.
Filed January 6, 1923. Serial No. 174,255. PUBLISHED FEBRUARY 27, 1923.

181,609. PHARMACEUTICAL PREPARATION USED AS A REMEDY FOR RHEUMATISM. ARMIN C. KRAFF, Brooklyn, N. Y.
Filed January 5, 1923. Serial No. 174,209. PUBLISHED JANUARY 8, 1924.

181,610. CANNED VEGETABLES—NAMELY, TOMATOES, CORN, PEAS, AND BEANS. JOSEPH CAMPBELL COMPANY, Camden, N. J., assignor to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey.
Filed November 22, 1922. Serial No. 172,869. PUBLISHED DECEMBER 11, 1923.

181,611. RIBS. THE SANITARY RUBBER NOVELTY CO., Chicago, Ill.
Filed November 11, 1922. Serial No. 171,869. PUBLISHED DECEMBER 11, 1923.

181,612. SODA ASH AND CAUSTIC SODA. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed November 2, 1922. Serial No. 171,510. PUBLISHED JANUARY 8, 1924.

181,613. DECORATIVE ELECTRIC-LIGHTING OUTFITS FOR CHRISTMAS TREES AND THE LIKE. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed October 25, 1922. Serial No. 171,165. PUBLISHED DECEMBER 25, 1923.

181,614. MALT BEVERAGE. JOHN F. TROMMER, INC., Brooklyn, N. Y.
Filed October 17, 1922. Serial No. 170,845. PUBLISHED JANUARY 1, 1924.

181,615. ELECTRIC HEATING AND LIGHTING APPARATUS. INTEROCEAN HOLDING COMPANY, Chicago, Ill., and New York, N. Y.
Filed October 6, 1922. Serial No. 170,387. PUBLISHED JANUARY 9, 1923.

181,616. WHISKEY. MATTINGLY & MOORE DISTILLERY CO., doing business as Frankfort Distillery and George Baker, Louisville, Ky.
Filed October 4, 1922. Serial No. 170,303. PUBLISHED JANUARY 1, 1924.

181,617. LADIES' SILK HOSIERY. JACOB BLUMENTHAL, doing business as J. Blumenthal & Co., New York, N. Y.
Filed September 11, 1922. Serial No. 169,276. PUBLISHED FEBRUARY 13, 1923.

181,618. RADIO RECEIVING AND TRANSMITTING INSTRUMENTS AND PARTS THEREOF. THE NORTH AMERICAN RADIO & SUPPLY CORPORATION, New York, N. Y.
Filed August 31, 1922. Serial No. 168,936. PUBLISHED DECEMBER 18, 1923.

181,619. CERTAIN MEDICINAL AND PHARMACEUTICAL PREPARATIONS. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed August 24, 1922. Serial No. 168,655. PUBLISHED JANUARY 1, 1924.

181,620. RADIOACTIVE WATER. ROBERT HAYS SMITH, doing business as National Radioak Co., San Francisco, Calif.
Filed August 21, 1922. Serial No. 168,559. PUBLISHED JANUARY 8, 1924.

181,621. TOILET POWDER APPLIED TO THE BODY. JOHN D. BOYLE, New York, N. Y.
Filed August 15, 1922. Serial No. 168,249. PUBLISHED JANUARY 8, 1924.

181,622. GASOLINE. ROY W. GOODMAN, doing business as Goodman Oil Company, Boise, Idaho.
Filed July 29, 1922. Serial No. 167,563. PUBLISHED JANUARY 8, 1924.

181,623. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. ROBERT SCHMIDT, Berlin, Germany.
Filed July 26, 1922. Serial No. 167,424. PUBLISHED JANUARY 8, 1924.

181,624. KNITTED OUTERWEAR FOR MEN, WOMEN, CHILDREN, AND INFANTS — NAMELY, SWEATERS, JERSEYS, DRESSES, SKIRTS, SLIP-ONS, SCARFS, CAPS, HATS, BATHING SUITS, DRAW LEGGINGS, GLOVES, AND BOOTEES. DUTCHESS KNITTING MILLS, New York, N. Y.
Filed July 25, 1922. Serial No. 167,349. PUBLISHED JANUARY 15, 1924.

181,625. UNDERWEAR AND FURNISHINGS. GOLDMAN COSTUME COMPANY, INC., New York, N. Y.
Filed July 22, 1922. Serial No. 167,283. PUBLISHED JANUARY 15, 1924.

181,626. REPAIR KIT FOR PNEUMATIC TIRES. EMMETT F. HARTLEY, doing business as Hartley Rubber Co., Huntington, W. Va.
Filed November 3, 1923. Serial No. 187,944. PUBLISHED JANUARY 1, 1924.

181,627. GOLF CLUBS. THE PHOSPHOR BRONZE SMELTING COMPANY, Philadelphia, Pa.
Filed November 3, 1923. Serial No. 187,957. PUBLISHED JANUARY 1, 1924.

181,628. VARNISH. H. H. REED, Reedsville, W. Va.
Filed November 3, 1923. Serial No. 187,959. PUBLISHED JANUARY 8, 1924.

181,629. GLAND COMPOUND. ELKINS MEDICINE CO., Philadelphia, Pa.
Filed November 6, 1923. Serial No. 188,046. PUBLISHED JANUARY 1, 1924.

181,630. FACE POWDERS. NATIONAL TOILET CO., Paris, Tenn.
Filed November 6, 1923. Serial No. 188,057. PUBLISHED JANUARY 1, 1924.

181,631. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 6, 1923. Serial No. 188,080. PUBLISHED JANUARY 8, 1924.

181,632. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 6, 1923. Serial No. 188,082. PUBLISHED JANUARY 8, 1924.

181,633. COLD CREAM. KINJIRO IMAI, doing business as Newton Co., Seattle, Wash.
Filed November 7, 1923. Serial No. 188,095. PUBLISHED JANUARY 1, 1924.

181,634. ADHESIVES. THE ARABOL M'F'G CO., New York, N. Y.
Filed November 8, 1923. Serial No. 188,103. PUBLISHED JANUARY 8, 1924.

181,635. LEATHER. SLATTERY BROS., Boston, Mass.
Filed November 8, 1923. Serial No. 188,140. PUBLISHED JANUARY 1, 1924.

181,636. TOOTH-POWDER TABLETS. LYMAN ZARBAUGH, doing business as All-in-One Company, Toledo, Ohio.
Filed November 8, 1923. Serial No. 188,142. PUBLISHED JANUARY 8, 1924.

181,637. MONTHLY PUBLICATION. MICHAEL DE SANCTIS CARALT, New York, N. Y.
Filed November 9, 1923. Serial No. 188,150. PUBLISHED JANUARY 8, 1924.

181,638. MONTHLY MAGAZINE. FRANK C. KAYE, New York, N. Y.
Filed November 9, 1923. Serial No. 188,153. PUBLISHED JANUARY 8, 1924.

181,639. CONCENTRATED CAVITY EMBALMING FLUID. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed November 10, 1923. Serial No. 188,190. PUBLISHED JANUARY 8, 1924.

181,640. WOOD BOXES AND CORRUGATED-PAPER BOXES. F. J. KRESS BOX COMPANY, Pittsburgh, Pa.
Filed November 10, 1923. Serial No. 188,211. PUBLISHED JANUARY 8, 1924.

181,641. HAND CREAM. BERTIN MANUFACTURING COMPANY, Westwood, N. J.
Filed November 12, 1923. Serial No. 188,229. PUBLISHED JANUARY 1, 1924.

181,642. FLY SPRAY. GENERAL LABORATORIES, Madison, Wis.
Filed November 12, 1923. Serial No. 188,239. PUBLISHED JANUARY 1, 1924.

181,643. CREAM ROUGES. ANDRÉS MARTINEZ, New York, N. Y.
Filed November 12, 1923. Serial No. 188,249. PUBLISHED JANUARY 8, 1924.

181,644. FACE POWDERS. YARDLEY & CO., LTD., New York, N. Y.
Filed November 12, 1923. Serial No. 188,260. PUBLISHED JANUARY 8, 1924.

181,645. COMIC NEWSPAPER STRIP. ILLUSTRATED DAILY NEWS PUBLISHING CO., INC., Los Angeles, Calif.
Filed November 13, 1923. Serial No. 188,269. PUBLISHED JANUARY 8, 1924.

181,646. BOILER FEED PUMPS AND FEED-WATER HEATERS. THE SUPERHEATER COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 13, 1923. Serial No. 188,282. PUBLISHED JANUARY 8, 1924.

181,647. CANDY COUGH DROPS. ESTATE OF CHAS. F. ADAMS, Lancaster, Pa.
Filed November 14, 1923. Serial No. 188,298. PUBLISHED JANUARY 8, 1924.

181,648. MEDICINE TO RELIEVE DIARRHEAL CONDITIONS IN ANIMALS. FOX RIVER FARM LABORATORIES, Dundee, Ill.
Filed November 14, 1923. Serial No. 188,300. PUBLISHED JANUARY 8, 1924.

181,649. REFRIGERATORS. THE MOTORFRIGERATOR COMPANY, Lansdale, Pa.
Filed November 14, 1923. Serial No. 188,319. PUBLISHED JANUARY 1, 1924.

181,650. LACQUERS. MURPHY VARNISH COMPANY, Newark, N. J.
Filed November 14, 1923. Serial No. 188,320. PUBLISHED JANUARY 8, 1924.

181,651. PREPARATION FOR GOUT, SCIATICA, LUMBAGO, NEURALGIA, AND RHEUMATISM AFFECTIONS. NEWBRO MANUFACTURING COMPANY, Atlanta, Ga.
Filed November 14, 1923. Serial No. 188,322. PUBLISHED JANUARY 8, 1924.

181,652. PREPARATION USED IN THE TREATMENT OF CERTAIN AILMENTS. REX CHEMICAL CO., INC., Salem, Va., and Washington, D. C.
Filed November 14, 1923. Serial No. 188,326. PUBLISHED JANUARY 8, 1924.

181,653. MEDICINAL OILS FOR THE TREATMENT OF CONSTIPATION, LAUNDRY WAX, PETROLATUM, DISINFECTANTS, AND DYES. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed November 15, 1923. Serial No. 188,382. PUBLISHED JANUARY 8, 1924.

181,654. DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES, LINSEED OIL, TURPENTINE, AND POLISHING OIL FOR VARNISHED, PAINTED, AND LACQUERED SURFACES. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed November 15, 1923. Serial No. 188,384. PUBLISHED JANUARY 8, 1924.

181,655. MOPS AND BRUSHES. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed November 15, 1923. Serial No. 188,385. PUBLISHED JANUARY 1, 1924.

181,656. INNER TUBES FOR TIRES. AJAX RUBBER COMPANY, INC., Millbrook, N. Y.
Filed November 16, 1923. Serial No. 188,396. PUBLISHED JANUARY 1, 1924.

181,657. RADIATOR COMPOUND. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed November 16, 1923. Serial No. 188,406. PUBLISHED JANUARY 8, 1924.

181,658. CIGARETTES. P. A. SARSAM CO., New York, N. Y.
Filed November 16, 1923. Serial No. 188,441. PUBLISHED JANUARY 1, 1924.

181,659. PAINT PIGMENTS KNOWN AS PAINT PASTE. EAGLE PAINT & VARNISH WORKS, INC., Brooklyn, N. Y.
Filed November 17, 1923. Serial No. 188,473. PUBLISHED JANUARY 8, 1924.

181,660. PREPARATION FOR CERTAIN MEDICINAL USES. R. N. GADDY, Cramerton, N. C.
Filed November 17, 1923. Serial No. 188,475. PUBLISHED JANUARY 8, 1924.

181,661. SILKS IN THE PIECE. JANSEN & PRETSFELD, INC., New York, N. Y.
Filed November 21, 1923. Serial No. 188,631. PUBLISHED JANUARY 8, 1924.

181,662. FISHING LINES. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed November 24, 1923. Serial No. 188,792. PUBLISHED JANUARY 8, 1924.

181,663. ARTIFICIAL MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed November 24, 1923. Serial No. 188,794. PUBLISHED JANUARY 8, 1924.

181,664. FISHING LINE. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed November 24, 1923. Serial No. 188,812. PUBLISHED JANUARY 8, 1924.

181,665. WARDROBE TRUNKS. SEWARD TRUNK AND BAG COMPANY, doing business as Auterobe Trunk Co., Petersburg, Va.
Filed November 13, 1923. Serial No. 188,277. PUBLISHED JANUARY 8, 1924.

181,666. RUBBER-COVERED ELECTRIC WIRE CABLES. SEWARD WIRE COMPANY, Parkersburg, W. Va.
Filed May 28, 1923. Serial No. 181,317. PUBLISHED DECEMBER 18, 1923.

181,667. PIPES, CIGAR AND CIGARETTE HOLDERS. EUGENE ROFF, Beaume-les-Dames, France.
Filed May 11, 1923. Serial No. 180,498. PUBLISHED NOVEMBER 13, 1923.

181,668. MINE-RUN, GRADED, DRESSED, AND PARTLY-DRESSED ZIRCON ORES FOR CERAMIC, CHEMICAL, AND METALLURGICAL OPERATIONS. EDUARD RIETZ, Sao Paulo, Brazil.
Filed May 11, 1923. Serial No. 180,495. PUBLISHED JANUARY 8, 1924.

181,669. TOILET CREAMS AND SHAMPOOS. RITA A. KRAUS, doing business as Ritanella Co., Philadelphia, Pa.
Filed April 21, 1923. Serial No. 179,475. PUBLISHED JANUARY 1, 1924.

181,670. MEDICINE FOR THE TREATMENT OF NASAL CATARRH, COLD IN THE HEAD, INFLUENZA, STUFFED-UP NOSTRILS, AND TICKLING IN THE THROAT AND HAY FEVER. CLEMENT H. MCCULLY, Brooklyn, N. Y.
Filed April 9, 1923. Serial No. 178,859. PUBLISHED JANUARY 8, 1924.

181,671. HARD WALL PLASTER, CASTING PLASTER, PLASTER OF PARIS, FINISHING PLASTER, LIME, WET PLASTERS, DRY SANDED PLASTER. BLUE DIAMOND MATERIALS COMPANY, INC., Los Angeles, Calif.
Filed April 9, 1923. Serial No. 178,909. PUBLISHED JANUARY 8, 1924.

181,672. HOSIERY. THOMAS H. BROWN, doing business as Thos. E. Brown & Sons, Philadelphia, Pa.
Filed February 13, 1923. Serial No. 175,978. PUBLISHED NOVEMBER 27, 1923.

181,673. WINE BITTERS AND TONIC. JAMES L. VAI, doing business as California Medicinal Wine Co., also doing business as Vai Brothers, Los Angeles, Calif.
Filed February 17, 1923. Serial No. 176,232. PUBLISHED JANUARY 8, 1924.

181,674. DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed February 19, 1923. Serial No. 176,248. PUBLISHED JANUARY 15, 1924.

181,675. DRY AND STORAGE BATTERIES. ADVANCE BATTERY MFG. CO., Louisville, Ky.
Filed March 15, 1923. Serial No. 177,463. PUBLISHED DECEMBER 25, 1923.

181,676. CANNED FRUITS AND CANNED VEGETABLES. S. S. PIERCE CO., Boston, Mass.
Filed March 24, 1923. Serial No. 177,995. PUBLISHED JULY 10, 1923.

181,677. CERTAIN PIECE GOODS. PHARAOH DRAPERY CO., INC., New York, N. Y.
Filed March 28, 1923. Serial No. 178,186. PUBLISHED JANUARY 8, 1924.

181,678. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, BRILLIANTINE, FACE CREAM, ROUGE, LOTION FOR THE SKIN AND HAIR, AND BATH SALTS. CHERAMY, INC., New York, N. Y.
Filed September 10, 1923. Serial No. 185,564. PUBLISHED JANUARY 8, 1924.

181,679. COLLAR BUTTONS MADE OF OR PLATED WITH PRECIOUS METALS. FESSMAN-DAUGHADAY CO., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I.
Filed September 10, 1923. Serial No. 185,577. PUBLISHED JANUARY 1, 1924.

181,680. MEDICINE—NAMELY, BLOOD PURIFIER. GOLDEN AGE REMEDY CO., Joplin, Mo.
Filed September 11, 1923. Serial No. 185,656. PUBLISHED JANUARY 8, 1924.

181,681. RAT POISONS. THE RAT-CHEK CO., INC., New York, N. Y.
Filed September 11, 1923. Serial No. 185,674. PUBLISHED JANUARY 8, 1924.

181,682. COMPLEXION CREAM. JOSEPH FARRELLY, doing business as Radermo Laboratories, Pelham, N. Y.
Filed September 12, 1923. Serial No. 185,695. PUBLISHED JANUARY 8, 1924.

181,683. TONICS FOR REBUILDING AND INVIGORATING THE GLANDS OF THE BODY. EDWARD L. MILLER, Buffalo, N. Y.
Filed September 13, 1923. Serial No. 185,760. PUBLISHED JANUARY 8, 1924.

181,684. CERTAIN CHEMICALS. TRUEMPY, FABRY & BESTHOFF, INC., New York, N. Y.
Filed July 7, 1923. Serial No. 182,943. PUBLISHED JANUARY 8, 1924.

181,685. HEALING OINTMENT. ELIZABETH W. KIRKHAM, doing business as Trinity Drug Company, New York, N. Y.
Filed July 5, 1923. Serial No. 182,829. PUBLISHED JANUARY 8, 1924.

181,686. PREPARATION FOR SORE THROAT AND TONSILLITIS. C. LEWIS WILSON, doing business as Tonsilo Company, Parkersburg, W. Va.
Filed June 23, 1923. Serial No. 182,389. PUBLISHED JANUARY 8, 1924.

181,687. PEROXIDE OF HYDROGEN. THE SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa.
Filed June 14, 1923. Serial No. 182,012. PUBLISHED JANUARY 8, 1924.

181,688. WATCHES, CLOCKS, AND PARTS THEREOF. FABRIQUE D'HORLOGERIE LA GLYCINE, Bienne, Switzerland.
Filed June 9, 1923. Serial No. 181,740. PUBLISHED DECEMBER 18, 1923.

181,689. KNITTED CAPS, KNITTED SWEATERS, KNITTED GLOVES, KNITTED HOSIERY, AND KNITTED SCARFS. BALACLAVA KNITTING MILLS, New York, N. Y.
Filed June 8, 1923. Serial No. 181,667. PUBLISHED JANUARY 1, 1924.

181,690. RADIO PHONOGRAPH ADAPTERS. THE EKKO COMPANY, Chicago, Ill.
Filed June 4, 1923. Serial No. 181,519. PUBLISHED DECEMBER 18, 1923.

181,691. PREPARATION FOR THE TREATMENT OF MUSCULAR AND INFLAMMATORY RHEUMATISM. EDWARD O. COTTON, doing business as Cotton Drug Co., Incorporated, Goldsboro, N. C.
Filed May 31, 1923. Serial No. 181,384. PUBLISHED JANUARY 1, 1924.

181,692. VINEGAR. THE OSAKA ZOSU KABUSHIKI KAISHA, Sakai, Japan.
Filed August 16, 1923. Serial No. 184,563. PUBLISHED JANUARY 8, 1924.

181,693. CANDY. BENNETT-HUBBARD CANDY CO., Chattanooga, Tenn.
Filed August 18, 1923. Serial No. 184,634. PUBLISHED JANUARY 8, 1924.

181,694. HAIR NETS. JULIEN GIGUET, Lyon, France.
Filed August 24, 1923. Serial No. 184,989. PUBLISHED JANUARY 8, 1924.

181,695. WATCHCASES. S. M. WATCH CASE CO., INC., New York, N. Y.
Filed August 31, 1923. Serial No. 185,232. PUBLISHED DECEMBER 25, 1923.

181,696. CERTAIN PAINTS AND PAINTERS' MATERIALS. H. BEHLEN & BRO., New York, N. Y.
Filed September 4, 1923. Serial No. 185,284. PUBLISHED JANUARY 8, 1924.

181,697. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF COLDS. ELVIN M. HALE, Stockton, Calif.
Filed September 4, 1923. Serial No. 185,296. PUBLISHED JANUARY 8, 1924.

181,698. BOOK PAPERS. KANSAS CITY PAPER HOUSE, Kansas City, Mo.
Filed September 5, 1923. Serial No. 185,341. PUBLISHED JANUARY 1, 1924.

181,699. RADIODETECTORS. ARNOLD M. BARRON, doing business as Ferris Radio Research Laboratory, Boston, Mass.
Filed September 6, 1923. Serial No. 185,358. PUBLISHED DECEMBER 18, 1923.

181,700. PREPARATION FOR BLIND STAGGER, VERTIGO, PARTURIENT APOPLEXY FOR COWS, ACUTE INDIGESTION FOR MULES AND HORSES, AND WARTS ON LIVE STOCK. E. L. REID, Wilson, N. C.
Filed September 7, 1923. Serial No. 185,495. PUBLISHED JANUARY 8, 1924.

181,701. ANTISEPTIC FOR MOUTH WASH AND GENERAL TOILET USE. GEORGE SEELMAN, JR., doing business as Formath Company, Milwaukee, Wis.
Filed September 7, 1923. Serial No. 185,500. PUBLISHED JANUARY 8, 1924.

181,702. PREPARATION FOR THE TREATMENT OF THE HANDS, FEET, CHRONIC ECZEMA, SKIN CANCER, AND ALL SKIN ERUPTIONS. OTTO PETERSON, Fort Bragg, Calif.
Filed September 8, 1923. Serial No. 185,534. PUBLISHED JANUARY 8, 1924.

181,703. COTTON, COTTON AND SILK, AND COTTON AND WOOL GOODS IN THE PIECE. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed September 8, 1923. Serial No. 185,537. PUBLISHED JANUARY 8, 1924.

181,704. MEDICINE FOR TUBERCULOSIS, DIPHTHERIA, PURIFICATION OF BLOOD, AND PROLONGATION OF LIFE. STEVE A. D. SZIBER, New York, N. Y.
Filed September 8, 1923. Serial No. 185,540. PUBLISHED JANUARY 8, 1924.

181,705. PHARMACEUTICAL PREPARATIONS—NAMELY, LIVER AND BLOOD SIRUP. THACHER MEDICINE COMPANY, Chattanooga, Tenn.
Filed September 8, 1923. Serial No. 185,541. PUBLISHED JANUARY 8, 1924.

181,706. GASOLINE, LUBRICATING, FUEL, AND ILLUMINATING OILS, AND LUBRICATING COMPOUNDS. THE NATIONAL REFINING COMPANY, Cleveland, Ohio.
Filed November 30, 1923. Serial No. 189,063. PUBLISHED JANUARY 8, 1924.

181,707. UMBRELLA AND PARASOL RIBS. S. W. EVANS & SON, Philadelphia, Pa.
Filed November 28, 1923. Serial No. 188,995. PUBLISHED JANUARY 8, 1924.

181,708. CUTTING-TOOL-LUBRICATING OIL, COMMONLY KNOWN AS CUTTING OIL. CRESCENT OIL COMPANY, Indianapolis, Ind.
Filed November 28, 1923. Serial No. 188,988. PUBLISHED JANUARY 8, 1924.

181,709. TOILET WATER AND TOILET EXTRACT. S. S. PIERCE CO., Boston, Mass.
Filed September 24, 1923. Serial No. 186,154. PUBLISHED JANUARY 15, 1924.

181,710. APPARATUS FOR AERATING, CARBONATING, OR GASIFYING LIQUIDS AND THE LIKE. PERCIVAL ALBION GARRETT, Goodmayes, England.
Filed September 24, 1923. Serial No. 186,124. PUBLISHED JANUARY 1, 1924.

181,711. MILK CHOCOLATE. ELINE'S INCORPORATED, Milwaukee, Wis.
Filed September 24, 1923. Serial No. 186,117. PUBLISHED JANUARY 8, 1924.

181,712. ADHESIVE. ROBESON PROCESS COMPANY, New York, N. Y.
Filed September 22, 1923. Serial No. 186,084. PUBLISHED JANUARY 8, 1924.

181,713. GAME. CLAUDE H. HAYS, Union, Miss.
Filed September 22, 1923. Serial No. 186,055. PUBLISHED JANUARY 8, 1924.

181,714. MOTOR-DRIVEN PASSENGER VEHICLES—NAMELY, AUTOMOBILE OMNIBUSES. YELLOW CAB MANUFACTURING CO., Chicago, Ill.
Filed September 21, 1923. Serial No. 186,038. PUBLISHED JANUARY 1, 1924.

181,715. DRY BATTERIES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed September 21, 1923. Serial No. 186,024. PUBLISHED DECEMBER 18, 1923.

181,716. CHILDREN'S HATS. LITTLE-DARLING HAT CO., New York, N. Y.
Filed September 21, 1923. Serial No. 186,017. PUBLISHED JANUARY 1, 1924.

181,717. CERTAIN NAMED FURNITURE. HANNAHS MANUFACTURING COMPANY, Kenosha, Wis.
Filed September 21, 1923. Serial No. 186,011. PUBLISHED JANUARY 1, 1924.

181,718. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed September 20, 1923. Serial No. 185,995. PUBLISHED JANUARY 1, 1924.

181,719. TOMATO PASTE. LIONI FRUIT & PACKING CO., INC., San Francisco, Calif.
Filed September 20, 1923. Serial No. 185,975. PUBLISHED JANUARY 8, 1924.

181,720. BRUSHES. GEO. S. LEINER & CO., New York, N. Y.
Filed September 20, 1923. Serial No. 185,973. PUBLISHED JANUARY 1, 1924.

181,721. LADIES', CHILDREN'S, AND INFANTS' CLOTHING. BELL MANUFACTURING COMPANY, San Antonio, Tex.
Filed September 20, 1923. Serial No. 185,950. PUBLISHED JANUARY 1, 1924.

181,722. TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN AND YOUNG MEN. FRANKEL BROS., New York, N. Y.
Filed September 19, 1923. Serial No. 185,923. PUBLISHED JANUARY 1, 1924.

181,723. LAMB SKINS. MAX DREIWITZ, doing business as Ch. Dreiwitz's Son, New York, N. Y.
Filed September 19, 1923. Serial No. 185,921. PUBLISHED JANUARY 1, 1924.

181,724. WINDOW SHADES. RASCH & GAINOR, Baltimore, Md.
Filed September 17, 1923. Serial No. 185,877. PUBLISHED JANUARY 8, 1924.

181,725. BRACELETS AND NECK CHAINS. GENERAL CHAIN CO., Providence, R. I.
Filed September 17, 1923. Serial No. 185,867. PUBLISHED JANUARY 1, 1924.

181,726. CIGARS, CIGARETTES, AND SMOKING TOBACCO. D. RANGAVES & CO. INC., New York, N. Y.
Filed September 15, 1923. Serial No. 185,840. PUBLISHED JANUARY 1, 1924.

181,727. CORSETS, BRASSIÈRES, AND WOMEN'S UNDERWEAR OF TEXTILE FABRIC. NEMO CIRCLET COMPANY INC., New York, N. Y.
Filed September 15, 1923. Serial No. 185,837. PUBLISHED JANUARY 8, 1924.

181,728. WOMEN'S AND MISSES' DRESSES, SUITS, AND COATS. STEINBERG & LINDEN, New York, N. Y.
Filed September 14, 1923. Serial No. 185,799. PUBLISHED JANUARY 8, 1924.

181,729. NAIL POLISH. IRVING HUBERT, New York, N. Y.
Filed October 15, 1923. Serial No. 186,995. PUBLISHED JANUARY 8, 1924.

181,730. A CERTAIN NAMED PHARMACEUTICAL PREPARATION. HUDSON PHARMACAL CO. INC., Union Hill, N. J.
Filed October 10, 1923. Serial No. 186,790. PUBLISHED JANUARY 8, 1924.

181,731. WALL SIZES. MILTON D. SWARTS, doing business as Baltimore Water Paint Company, Baltimore, Md.
Filed October 10, 1923. Serial No. 186,809. PUBLISHED JANUARY 8, 1924.

181,732. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed October 10, 1923. Serial No. 186,816. PUBLISHED JANUARY 1, 1924.

181,733. SWEATERS AND KNIT COATS. BOYCE, WHEELER & BOYCE, INC., New York, N. Y.
Filed October 11, 1923. Serial No. 186,824. PUBLISHED JANUARY 8, 1924.

181,734. KNIT UNION SUITS, VESTS, BLOOMERS, AND SHIRTS. BOYCE, WHEELER & BOYCE, INC., New York, N. Y.
Filed October 11, 1923. Serial No. 186,825. PUBLISHED JANUARY 8, 1924.

181,735. CERTAIN NAMED CHEMICALS. CENTRAL COMMERCIAL COMPANY, Chicago, Ill.
Filed October 11, 1923. Serial No. 186,826. PUBLISHED JANUARY 8, 1924.

181,736. INNER TUBES, PNEUMATIC TIRES, CORD TIRES, AND FABRIC TIRES. THE COLUMBIA TIRE AND RUBBER COMPANY, Mansfield, Ohio.
Filed October 11, 1923. Serial No. 186,827. PUBLISHED JANUARY 1, 1924.

181,737. ELECTRIC MOTORS. KIMBLE ELECTRIC COMPANY, Chicago, Ill.
Filed October 11, 1923. Serial No. 186,844. PUBLISHED DECEMBER 25, 1923.

181,738. MARMALADES, HONEY, TABLE SIRUP, SALAD DRESSING, JAMS AND JELLIES, PICKLES, AND RELISHES COMPOSED OF FINELY-CHOPPED VEGETABLES AND SPICES, CANDIED FRUIT, CATCHUP. AUNT BETTY'S PRODUCTS CO., Los Angeles, Calif.
Filed October 12, 1923. Serial No. 186,864. PUBLISHED JANUARY 8, 1924.

181,739. PERFUMES, TOILET WATERS, FACE POWDERS, TOILET POWDERS, SACHET, ROUGE, AND BRILLIANTINE. CHERAMY, INC., New York, N. Y.
Filed October 12, 1923. Serial No. 186,872. PUBLISHED JANUARY 8, 1924.

181,740. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,893. PUBLISHED JANUARY 1, 1924.

181,741. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 12, 1923. Serial No. 186,894. PUBLISHED JANUARY 1, 1924.

181,742. SKIN AND TISSUE CREAMS, BATH POWDERS, LIP ROUGE, PERFUMES, ALMOND MEAL, AND SMELLING SALTS. RICHARD HUDNUT, New York, N. Y.
Filed October 12, 1923. Serial No. 186,907. PUBLISHED JANUARY 8, 1924.

181,743. SOFT DRINKS. SUNSET CLUB BOTTLING CO., Sherman, Calif.
Filed October 12, 1923. Serial No. 186,937. PUBLISHED JANUARY 1, 1924.

181,744. SODIUM TUNGSTATE AND TUNGSTIC ACID. FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill.
Filed October 13, 1923. Serial No. 186,952. PUBLISHED JANUARY 8, 1924.

181,745. MAYONNAISE AND SALAD DRESSING. ANDREW ROHAN COMPANY, Cincinnati, Ohio.
Filed October 13, 1923. Serial No. 186,964. PUBLISHED JANUARY 8, 1924.

181,746. GARMENT HANGERS. ISADORE DUBERSTEIN, Los Angeles, Calif.
Filed October 15, 1923. Serial No. 186,980. PUBLISHED JANUARY 1, 1924.

181,747. MEDICINE FOR HAY FEVER, BURNS, AND RUNNING SORES. CHARLES W. HALLER, doing business as Halmo Medicine Company, Dayton, Ohio.
Filed October 15, 1923. Serial No. 186,993. PUBLISHED JANUARY 8, 1924.

181,748. PACKAGED COMBINATION OF RESTRINGING SILK WITH JEWELER'S THREADING NEEDLE. L. HELLER & SON, INC., New York, N. Y.
Filed October 15, 1923. Serial No. 186,994. PUBLISHED JANUARY 1, 1924.

181,749. DEPILATORY AND SUPERFLUOUS-HAIR REMOVER. GEORGE D. SNADELL, doing business as Modern Methods Laboratories, Chicago, Ill.
Filed October 15, 1923. Serial No. 187,024. PUBLISHED JANUARY 8, 1924.

181,750. HOISTS. AMERICAN ENGINEERING COMPANY, Philadelphia, Pa.
Filed October 22, 1923. Serial No. 187,279. PUBLISHED JANUARY 1, 1924.

181,751. TITLE OF A MONTHLY PUBLICATION. THE ALLIED GROCERS, INC., New York, N. Y.
Filed October 22, 1923. Serial No. 187,278; PUBLISHED JANUARY 8, 1924.

181,752. SALINE LAXATIVE. STACY B. GANOW, New York, N. Y.
Filed October 20, 1923. Serial No. 187,251. PUBLISHED JANUARY 8, 1924.

181,753. WRITING PAPER AND WRAPPING PAPER. WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn.
Filed October 19, 1923. Serial No. 187,238. PUBLISHED JANUARY 1, 1924.

181,754. SALT, BAKING SODA, STARCH FOR LAUNDRY PURPOSES, LYE, AMMONIA, AND LIQUID BLUING. WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn.
Filed October 19, 1923. Serial No. 187,237. PUBLISHED JANUARY 8, 1924.

181,755. AMMONIA AND BLUING. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed October 19, 1923. Serial No. 187,223. PUBLISHED JANUARY 8, 1924.

181,756. INSECTICIDES. MARK ISAACS, Jacksonville, Fla.
Filed October 19, 1923. Serial No. 187,216. PUBLISHED JANUARY 8, 1924.

181,757. CERTAIN NAMED ABRASIVE PAPERS AND CLOTHS. H. H. BARTON AND SON CO. INC., Philadelphia, Pa.
Filed October 19, 1923. Serial No. 187,193. PUBLISHED JANUARY 1, 1924.

181,758. SKATES. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn.
Filed October 18, 1923. Serial No. 187,181. PUBLISHED JANUARY 8, 1924.

181,759. CERTAIN PIECE GOODS. W. E. MCKAY & COMPANY, INCORPORATED, New York, N. Y.
Filed October 18, 1923. Serial No. 187,169. PUBLISHED JANUARY 8, 1924.

181,760. VENTILATOR. PAUL DICKINSON INCORPORATED, Chicago, Ill.
Filed October 18, 1923. Serial No. 187,153. PUBLISHED JANUARY 8, 1924.

181,761. FEEDS AND FEEDSTUFFS. QUISENBERRY FEED MF'G. CO., Kansas City, Mo.
Filed October 17, 1923. Serial No. 187,127. PUBLISHED JANUARY 1, 1924.

181,762. COUGH SIRUP. MARNITA CHEMICAL CO., Washington, D. C.
Filed October 17, 1923. Serial No. 187,115. PUBLISHED JANUARY 8, 1924.

181,763. WHEAT FLOUR. THE KUSHNEL MILLS COMPANY, New Bremen, Ohio.
Filed October 17, 1923. Serial No. 187,108. PUBLISHED JANUARY , 1924.

181,764. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Loveland Flour Mills, Loveland, Colo.
Filed October 17, 1923. Serial No. 187,094. PUBLISHED JANUARY , 1924.

181,765. A CERTAIN NAMED MEDICINE. PHILOMENE BOND, Boston, Mass.
Filed October 17, 1923. Serial No. 187,085. PUBLISHED JANUARY , 1924.

181,766. STOVE POLISH AND STOVE ENAMEL. OTTO C. BECKER, doing business as The Carlbeck Manufacturing Company, Baltimore, Md.
Filed October 17, 1923. Serial No. 187,080. PUBLISHED JANUARY , 1924.

181,767. CLEANSING POWDER. P & M PRODUCTS COMPANY, Oakland, Calif.
Filed October 16, 1923. Serial No. 187,068. PUBLISHED JANUARY , 1924.

181,768. PEARLS. LA VIE PEARL COMPANY, New York, N. Y.
Filed October 16, 1923. Serial No. 187,062. PUBLISHED JANUARY 1, 1924.

181,769. LIQUID SHAMPOO AND DANDRUFF CURE. THE PIONEER PRODUCTS COMPANY, Dayton, Ohio.
Filed October 5, 1923. Serial No. 186,610. PUBLISHED JANUARY 8, 1924.

181,770. ELECTRICAL LIGHTING-FIXTURE CLUSTERS HAVING TWO OR MORE OUTLETS. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed October 5, 1923. Serial No. 186,583. PUBLISHED DECEMBER 25, 1923.

181,771. PERFUMES. THE REMILLER CO., New York, N. Y.
Filed October 4, 1923. Serial No. 186,569. PUBLISHED JANUARY 8, 1924.

181,772. A PREPARATION FOR REMOVING STAINS FROM AND OTHERWISE CLEANSING THE TEETH. THE MARKER CHEMICAL COMPANY, Fairmont, W. Va.
Filed October 4, 1923. Serial No. 186,560. PUBLISHED JANUARY 1, 1924.

181,773. SAUSAGE. LINDSAY PORK PRODUCTS CO., Birmingham, Ala.
Filed October 4, 1923. Serial No. 186,558. PUBLISHED JANUARY 8, 1924.

181,774. PORK SAUSAGE. LINDSAY PORK PRODUCTS CO., Birmingham, Ala.
Filed October 4, 1923. Serial No. 186,557. PUBLISHED JANUARY 8, 1924.

181,775. MEDICINAL TABLETS FOR THE TREATMENT OF DISORDERS OF THE STOMACH AND AS AN AID TO DIGESTION. GIBSON-HOWELL COMPANY, Jersey City, N. J.
Filed October 4, 1923. Serial No. 186,550. PUBLISHED JANUARY 1, 1924.

181,776. REDUCING CREAM. ERNEST GALIARDO, doing business as Galiardo Co., New York, N. Y.
Filed October , 1923. Serial No. 186,549. PUBLISHED JANUARY 1, 1924.

181,777. POTATOES IN THEIR NATURAL STATE. MAINE POTATO GROWERS' EXCHANGE, Caribou, Me.
Filed October , 1923. Serial No. 186,514. PUBLISHED JANUARY 8, 1924.

181,778. OIL-CONTAINING RECEPTACLES—NAMELY, OILERS AND SUPPLY CANS. EAGLE MANUFACTURING COMPANY, Wellsburg, W. Va.
Filed October , 1923. Serial No. 186,421. PUBLISHED JANUARY 8, 1924.

181,779. HAIR DYE. THE CANUTE CO., Milwaukee, Wis.
Filed October 1, 1923. Serial No. 186,412. PUBLISHED JANUARY 1, 1924.

181,780. CORN MEAL, GRITS, AND CORN FLOUR, INCLUDING ALL GRADES OF EACH OF SAID PRODUCTS. BLACK & WHITE MILLING COMPANY, East St. Louis, Ill.
Filed October 1, 1923. Serial No. 186,411. PUBLISHED JANUARY 1, 1924.

181,781. HEALING SALVE. JACOBINE KLEVEN, doing business as Mrs. K. Kleven, Minneapolis, Minn.
Filed September 28, 1923. Serial No. 186,327. PUBLISHED JANUARY 1, 1924.

181,782. SUPPORTS IN CHIMNEYS FOR STOVE-PIPES OF DIFFERENT DIAMETERS. JOHN WALANTOVIC, Verona, Pa.
Filed September 27, 1923. Serial No. 186,307. PUBLISHED JANUARY 8, 1924.

181,783. CERTAIN NAMED MEDICINES. ALONSO S. RUSSA, doing business as Combination Remedy Company, Pittsburgh, Pa.
Filed September 27, 1923. Serial No. 186,293. PUBLISHED JANUARY 1, 1924.

181,784. METAL-DRILLING MACHINES. FRANK K. KRAG, Chicago, Ill.
Filed September 27, 1923. Serial No. 186,260. PUBLISHED JANUARY 1, 1924.

181,785. CHILDREN'S JEWELRY—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, LINGERIE AND BEAUTY PINS, AND NECKLACES. BAUMAN-MASSA JEWELRY CO., St. Louis, Mo.
Filed September 27, 1923. Serial No. 186,267. PUBLISHED JANUARY 1, 1924.

181,786. SHINGLE STAIN. GEORGE A. HEUER, Bellaire, N. Y.
Filed September 26, 1923. Serial No. 186,230. PUBLISHED JANUARY 8, 1924.

181,787. AUTOMOBILE OR VEHICLE ELECTRIC LAMPS. DOERING MANUFACTURING COMPANY, Chicago, Ill.
Filed September 26, 1923. Serial No. 186,222. PUBLISHED DECEMBER 25, 1923.

181,788. COTTON PIECE GOODS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed September 25, 1923. Serial No. 186,197. PUBLISHED JANUARY 8, 1924.

181,789. SHEETS, SHEETING, PILLOWCASES, AND BOLSTER COVERINGS. PEERLESS COTTON MILLS, Thomaston, Ga.
Filed July 9, 1923. Serial No. 182,990. PUBLISHED JANUARY 1, 1924.

181,790. DRY BATTERIES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed July 10, 1923. Serial No. 183,040. PUBLISHED DECEMBER 18, 1923.

181,791. CERTAIN MEDICINAL AND PHARMACEUTICAL PREPARATIONS. L. W. SHELLMAN, Townsend, Ga.
Filed July 13, 1923. Serial No. 183,168. PUBLISHED JANUARY 1, 1924.

181,792. AUTOMOBILE OR VEHICLE ELECTRIC LAMPS. DOERING MANUFACTURING COMPANY, Chicago, Ill.
Filed July 14, 1923. Serial No. 183,202. PUBLISHED DECEMBER 18, 1923.

181,793. GASOLINE. PURE OIL COMPANY, Columbus, Ohio.
Filed July 14, 1923. Serial No. 183,229. PUBLISHED JANUARY 8, 1924.

181,794. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. FURST-MCNESS COMPANY, Freeport, Ill.
Filed July 16, 1923. Serial No. 183,267. PUBLISHED JANUARY 1, 1924.

181,795. EMBOSSED PAPER CARPET LINING. SCHMIDT & AULT PAPER CO., York, Pa.
Filed July 20, 1923. Serial No. 183,504. PUBLISHED JANUARY 8, 1924.

181,796. PEANUT-BUTTER SANDWICHES. F. A. ATWOOD, INC., New Haven, Conn.
Filed July 21, 1923. Serial No. 183,516. PUBLISHED JANUARY 8, 1924.

181,797. ASSORTED CANDIES AND ASSORTED CHOCOLATES. STANLEY B. MICHAEL, doing business as Niagara Sweetjoy Co., Buffalo, N. Y.
Filed July 25, 1923. Serial No. 183,661. PUBLISHED JANUARY 8, 1924.

181,798. GASOLINE. STANDARD OIL COMPANY, (NEW JERSEY), Bayonne, N. J.
Filed July 25, 1923. Serial No. 183,675. PUBLISHED JANUARY 8, 1924.

181,799. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed July 30, 1923. Serial No. 183,827. PUBLISHED JANUARY 8, 1924.

181,800. ICE-CREAM CONES. THE ADAMS CONE CO., Inc., Bridgeport, Conn.
Filed July 31, 1923. Serial No. 183,870. PUBLISHED JANUARY 8, 1924.

181,801. READY-MIXED PAINTS, VARNISHES, PAINT OILS, PUTTY. FRED BYRON, San Francisco, Calif.
Filed August 1, 1923. Serial No. 183,905. PUBLISHED DECEMBER 4, 1923.

181,802. WASH BLUE. STIMSON & EETING, New York, N. Y.
Filed August 1, 1923. Serial No. 183,947. PUBLISHED JANUARY 8, 1924.

181,803. BURNERS FOR BURNING FUEL OIL IN FURNACES. JOHN DINGWOOLOU, Portland, Oreg.
Filed August 2, 1923. Serial No. 183,964. PUBLISHED JANUARY 8, 1924.

181,804. INKS FOR PRINTING AND STENCILING. D. GESTETNER LIMITED, London, England.
Filed August 2, 1923. Serial No. 183,969. PUBLISHED JANUARY 1, 1924.

181,805. ELECTRICAL INSTRUMENTS FOR ADAPTING COMMERCIAL ALTERNATING CURRENT FOR USE IN RADIO RECEIVING CIRCUITS AS A SUBSTITUTE FOR A STORAGE BATTERY. SIMPLEX ELECTRICAL LABORATORIES, INC., New York and Brooklyn, N. Y.
Filed August 4, 1923. Serial No. 184,107. PUBLISHED DECEMBER 18, 1923.

181,806. TENTS. DICKEY MANUFACTURING COMPANY, Toledo, Ohio.
Filed August 6, 1923. Serial No. 184,126. PUBLISHED JANUARY 8, 1924.

181,807. AUTOMOBILES, AUTOMOBILE TRUCKS, BOATS, AUTOMOBILE CHASSIS, CANOES, AND LAUNCHES. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS PANHARD & LEVASSOR, Paris, France.
Filed August 10, 1923. Serial No. 184,306. PUBLISHED JANUARY 8, 1924.

181,808. PERFUMES AND TOILET WATERS. UNITED DRUG COMPANY, doing business as Langlois, Boston, Mass.
Filed August 11, 1923. Serial No. 184,370. PUBLISHED JANUARY 8, 1924.

181,809. STEAM, WATER, GAS, AIR, AND AMMONIA PACKING. CRANDALL PACKING COMPANY, Palmyra, N. Y.
Filed October 6, 1923. Serial No. 186,631. PUBLISHED JANUARY 1, 1924.

181,810. VEHICLE DOOR LOCKS, VEHICLE DOOR LATCHES. THE ENGLISH & MERSICK CO., New Haven, Conn.
Filed October 6, 1923. Serial No. 186,634. PUBLISHED JANUARY 1, 1924.

181,811. CERTAIN NAMED TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed October 6, 1923. Serial No. 186,636. PUBLISHED JANUARY 8, 1924.

181,812. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, AND CANNED FISH. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 6, 1923. Serial No. 186,642. PUBLISHED JANUARY 8, 1924.

181,813. CHEMICAL PREPARATION SUITABLE FOR THE TREATMENT OF HAIR. NATIONAL PRODUCTS CO., Eau Claire, Wis.
Filed October 6, 1923. Serial No. 186,663. PUBLISHED JANUARY 8, 1924.

181,814. RESILIENT INNER RINGS ARRANGED TO FIT UNDER THE REGULAR PISTON RINGS. RAMSEY ACCESSORIES MANUFACTURING CORPORATION, St. Louis, Mo.
Filed October 6, 1923. Serial No. 186,671. PUBLISHED JANUARY 1, 1924.

181,815. CANDY BAR. THE HOME CANDY COMPANY, Pocahontas, Iowa.
Filed October 8, 1923. Serial No. 186,708. PUBLISHED JANUARY 8, 1924.

181,816. CANNED CRAB MEAT. KOTO TRADING COMPANY, LTD., New York, N. Y.
Filed October 8, 1923. Serial No. 186,711. PUBLISHED JANUARY 8, 1924.

181,817. LADIES' GOWNS, CHEMISE, DRAWERS, CORSET COVERS, BLOOMERS, PAJAMAS, PRINCESS SLIPS, AND PETTICOATS MADE OF TEXTILE FABRIC CONSISTING OF COTTON, NAINSOOK, OR MUSLIN FINISHED CLOTH. HARRY SCHILLER, doing business as Schiller Bros., New York, N. Y.
Filed October 8, 1923. Serial No. 186,724. PUBLISHED JANUARY 1, 1924.

181,818. WRITING TABLETS, WRITING PAPER, ENVELOPES, RUBBER BANDS, RUBBER ERASERS, BOX PAPER, POUND PAPER, AND CORRESPONDENCE CARDS. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn.
Filed October 8, 1923. Serial No. 186,730. PUBLISHED JANUARY 1, 1924.

181,819. TOOTH PASTE. WILLIAM C. WATKINS, doing business as Galvanic Chemical Company, St. Louis, Mo.
Filed October 8, 1923. Serial No. 186,733. PUBLISHED JANUARY 8, 1924.

181,820. ORIENTAL RUGS. CARTOZIAN BROTHERS, INCORPORATED, Portland, Oreg.
Filed October 9, 1923. Serial No. 186,741. PUBLISHED JANUARY 8, 1924.

181,821. LOCAL ANÆSTHETIC. DAVID CURTIS, doing business as De-Ce-Products Co. of New York, New York, N. Y.
Filed October 9, 1923. Serial No. 186,742. PUBLISHED JANUARY 8, 1924.

181,822. LIQUID AND POWDERED PERFUMES. COLGATE & COMPANY, Jersey City, N. J.
Filed October 10, 1923. Serial No. 186,775. PUBLISHED JANUARY 8, 1924.

181,823. WATER-SOFTENING MATERIAL. HOWARD C. DAVIS, doing business as The Sanco Co., Canton Ohio.
Filed October 10, 1923. Serial No. 186,777. PUBLISHED JANUARY 8, 1924.

181,824. COMPOUND FOR REMOVING SCALE FROM STEAM BOILERS. JULIUS Q. GILL, doing business as Gill Railway Supply Co., Peoria, Ill.
Filed October 10, 1923. Serial No. 186,781. PUBLISHED JANUARY 8, 1924.

181,825. CUTTING OIL. JULIUS Q. GILL, doing business as Gill Railway Supply Co., Peoria, Ill. Filed October 10, 1923. Serial No. 186,782. PUBLISHED JANUARY 8, 1924.

181,826. PREPARATION OF COD-LIVER OIL DESIGNED FOR INTERNAL ADMINISTRATION. FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed October 9, 1923. Serial No. 186,744. PUBLISHED JANUARY 8, 1924.

181,827. JUTE PIECE GOODS. JAMES F. WHITE & Co. INC., New York, N. Y. Filed October 9, 1923. Serial No. 186,754. PUBLISHED JANUARY 1, 1924.

181,828. SOAP. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed October 9, 1923. Serial No. 186,767. PUBLISHED JANUARY 8, 1924.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

181,829. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) UNIVERSAL TRUNK COMPANY, Chicago, Ill. Filed Jan. 4, 1924. Serial No. 190,435.

UNIVERSAL TRUNK CO. EVERLASTING CHICAGO ILL.

Particular description of goods.—Trunks and Wardrobe Trunks.
Claims use since Oct. 1, 1922.

181,830. (CLASS 37. PAPER AND STATIONERY.) THE AMERICAN ENVELOPE CO., West Carrollton, Ohio. Filed Jan. 9, 1924. Serial No. 190,564.

KAROLTON KRAFT

Particular description of goods.—Mailing Envelopes.
Claims use since 1915.

181,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES M. STRUVEN, doing business as Chas. M. Struven & Co., Baltimore, Md. Filed Jan. 25, 1924. Serial No. 191,286.

STRUVEN'S FISH MEAL

Particular description of goods.—Hog, Poultry, and Cattle Feed.
Claims use since 1919.

181,832. (CLASS 37. PAPER AND STATIONERY.) DENNISON MANUFACTURING CO., Framingham, Mass. Filed Jan. 26, 1924. Serial No. 191,305.

NON-BLOCKING

Particular description of goods.—Gummed Paper.
Claims use since Oct. 1, 1922.

181,833. (CLASS 15. OILS AND GREASES.) NEW YORK & NEW JERSEY LUBRICANT CO., New York, N. Y. Filed Jan. 28, 1924. Serial No. 191,397.

MoToRoL

Particular description of goods.—Lubricating Oils for Gas Engines and Motors.
Claims use since August, 1907.

181,834. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CLARK TRUCTRACTOR COMPANY, Buchanan, Mich. Filed Jan. 31, 1924. Serial No. 191,532.

TRUCLIFT

Particular description of goods.—Lifting Trucks.
Claims use since Jan. 2, 1923.

181,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUE VALLEY CREAMERY CO., Chicago, Ill. Filed Feb. 8, 1924. Serial No. 192,006.

BLUE VALLEY BUTTER
is good butter

Particular description of goods.—Butter.
Claims use since 1915.

181,836. (CLASS 39. CLOTHING.) LOUIS ADLER, New York, N. Y. Filed Dec. 17, 1923. Serial No. 189,747.

"BRYN MAWR"

Particular description of goods.—Ladies' Dresses.
Claims use since Aug. 8, 1915.

181,837. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GENERAL PAINT AND VARNISH COMPANY, Chicago, Ill. Filed July 16, 1923. Serial No. 183,283.

CABINET BRAND

Particular description of goods.—Ready-Mixed Paints, Paint Enamels, and Stains.
Claims use since Jan. 1, 1922.

181,838. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN NICKELOID COMPANY, Peru, Ill. Filed July 23, 1923. Serial No. 183,550.

BRASSOID

Particular description of goods.—Brass Plated Zinc.
Claims use since November, 1898.

181,839. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DICKEY MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 6, 1923. Serial No. 184,125.

Dickey

Particular description of goods.—Awnings, Tents, Banners, Pennants, Tarpaulins; Covers for Vehicles, Machinery, Floors, and Boats; and Drop Curtains for Partitioning and Weather Protectors.
Claims use since Jan. 3, 1922.

181,840. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) NEW YORK BELTING AND PACKING COMPANY, New York, N. Y. Filed Aug. 17, 1923. Serial No. 184,619.

INDESTRUCTIBLE

Particular description of goods.—Belting, Hose, and Packing Made of Rubber and Fabric.
Claims use since Jan. 1, 1904.

181,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA COMPAGNIE GENTIN, LTD., Boston, Mass. Filed Oct. 6, 1923. Serial No. 186,716.

CONTENTS 24 FLUID OUNCES
EXPOSITIONS UNIVERSELLES
GRAND PRIX - MEDAILLE D'OR - DIPLOMA D'ONOR
WINE Elixir Tonic GENTIN
ALCOHOL NOT OVER 20% BY VOLUME
Medicinal Properties - As a Tonic
Dose: A wineglassful(one ounce) twice a day before or preferably during dinner and also at bedtime.
Manufactured by
LA COMPAGNIE GENTIN LIMITED
BORDEAUX, France ... HEAD OFFICE ... BOSTON U.S.A.
MONTREAL Canada
AT DRUGGISTS ONLY

Particular description of goods.—A Medicinal Preparation Used as a General Tonic.
Claims use since about 1920.

181,842. (CLASS 2. RECEPTACLES.) NEW YORK STANDARD ASH CAN MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Oct. 12, 1923. Serial No. 186,920.

N Y STANDARD

Particular description of goods.—Engineers' Cans, Corrugated Cans, Iron Bar Cans, Garbage Cans, Waste Cans, Giant Cans, Ash Cans, Covers for Cans, Fiber Hampers for Storing Clothing, Barrels, Wooden Kegs, Medicine Boxes.
Claims use since about 1908.

181,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GERMICIDE COMPANY, Denver, Colo. Filed Oct. 16, 1923. Serial No. 187,049.

DENVER MUD

Particular description of goods.—A Plastic Dressing for the Relief of Inflammation.
Claims use since about June, 1904.

181,844. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 20, 1923. Serial No. 186,607.

PACENT

Particular description of goods.—Radio Apparatus—Namely, Plugs, Jacks, Combination Plugs and Jacks, Crystal Detectors, Inductance Coils, Coil Mountings, Vacuum-Tube Sockets, Jack Adapters, Socket Adapters, Transformers, Condensers, Rheostats, Telephone Head Sets, and Potentiometers.
Claims use since May 18, 1921.

181,845. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) KRACH AND GREENE, Philadelphia, Pa. Filed Nov. 21, 1923. Serial No. 188,633.

Velvetone

Particular description of goods.—Saxophones.
Claims use since Oct. 1, 1922.

181,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMPSON MEDICINE COMPANY, Winston-Salem, N. C. Filed Nov. 22, 1923. Serial No. 188,7--.

SAMPSON'S
HOT DROPS

Particular description of goods.—Medicine, Particularly an Anodyne Recommended for Relief of Indigestion, Catarrh, Cramp, Flux, and Nervous Diseases.
Claims use since about 1898.

181,847. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) C. G. KING & COMPANY, INC., Providence, R. I. Filed Nov. 24, 1923. Serial No. 188,844.

Neverloos

Particular description of goods.—Safety Pins and Lingerie Clasps.
Claims use since July 1, 1922.

181,848. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MULCONROY COMPANY, INC., Philadelphia, Pa. Filed Dec. 5, 1923. Serial No. 189,261.

Hose
MULCONROY

Particular description of goods.—Flexible Metallic, Wire-Covered, Cotton-Covered, and All Metal Hose.
Claims use since about Nov. 1, 1922.

181,849. (CLASS 37. PAPER AND STATIONERY.) PLATELESS ENGRAVING CO., INC., New York, N. Y. Filed Dec. 8, 1923. Serial No. 189,426.

PLATELESS PE ENGRAVING

Particular description of goods.—Correspondence Cards, Letter Heads, and Announcements.
Claims use since Oct. 1, 1917.

181,850. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ELGIN NATIONAL WATCH COMPANY, Chicago, Ill. Filed Dec. 11, 1923. Serial No. 189,496.

Corsican

Particular description of goods.—Watches and Watchcases.
Claims use since on or about Jan. 1, 1921.

181,851. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MAST LIGHTNING ROD COMPANY, Dayton, Ohio. Filed Dec. 12, 1923. Serial No. 189,574.

MAST

Particular description of goods.—Lightning Rods.
Claims use since March, 1911.

181,852. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CUDAHY PACKING COMPANY, Chicago, Ill., and Omaha, Nebr. Filed Dec. 15, 1923. Serial No. 189,710.

Cudahy's
QUICK-SUDZ

Particular description of goods.—Soap in Shredded Form.
Claims use since Feb. 22, 1922.

181,853. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WM. FILENE'S SONS COMPANY, Boston, Mass. Filed Dec. 21, 1923. Serial No. 189,970.

Filene's

Particular description of goods.—Pins, Collar Pins, Necktie Pins, Scarfpins, Breastpins, Bar Pins, Cuff Buttons, Studs, Collar Buttons, Cuff Links, Watch Chains, Locket Chains, Glasses Chains, Finger Rings, Beads, Bracelets, Brooches, Crosses, Earrings, Eyeglass Holders and Hooks, Lockets, Pendants, Rosaries, Thimbles, Spoons, Forks, Knives, Necklaces, Cardcases, Napkin Rings, Vases, Jars, Dishes, Bottles, Shoehorns, Cigarette Cases, Cigar Cutters, Pencils, Tie Clips, Fobs, Fob Ornaments, Tatting Shuttles, Picture Frames, Hair Ornaments, Combs, Candlesticks, All Made of, Plated with, or Ornamented with Precious Metal.
Claims use since Oct. 1, 1912.

181,854. (CLASS 39. CLOTHING.) JOSEPH MAGNIN CO., INC., San Francisco, Calif. Filed Dec. 26, 1923. Serial No. 190,112.

Crêpe Supreme

Particular description of goods.—Ladies' Silk Underwear of Textile Fabrics.
Claims use since Dec. 1, 1922.

181,855. (CLASS 39. CLOTHING.) JOSEPH MAGNIN CO., INC., San Francisco, Calif. Filed Dec. 26, 1923. Serial No. 190,113.

Crêpe Marvel

Particular description of goods.—Ladies' Silk Underwear of Textile Fabrics.
Claims use since Dec. 1, 1922.

181,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEWIS A. SCHERCK, New Orleans, La. Filed Dec. 18, 1922. Serial No. 173,536.

X-L-ENT DRIP

Particular description of goods.—Roasted Coffee.
Claims use since November, 1922.

181,857. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO STORAGE BATTERY CO., San Francisco, Calif. Filed Dec. 1, 1923. Serial No. 173,570.

3-YEAR-DRY

Particular description of goods.—Storage Batteries.
Claims use since about Apr. 1, 1922.

181,858. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GEO. J. SEEDMAN, doing business as G. J. Seedman Motor Supplies Co., Brooklyn, N. Y. Filed Nov. 22, 1922. Serial No. 172,401.

SNUGGFIT

Particular description of goods.—Radiator Covers, Side Curtains, Floor Mats for Vehicles, Windshield Visors, Automobile Cushions and Upholstery, Tire Carriers, and Automobile Tops.
Claims use since Oct. 10, 1922.

181,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS BUONOCORE, Garfield, N. J. Filed Nov. 10, 1922. Serial No. 171,785.



Particular description of goods.—Edible Mixture of Nuts and Butter.
Claims use since July 1, 1922.

181,860. (CLASS 39. CLOTHING.) THE ESCO NECKWEAR & NOVELTY CO., Baltimore, Md. Filed Sept. 12, 1922. Serial No. 169,850.

THE IRIDESCENT TIE

Particular description of goods.—Neckties.
Claims use since Aug. 30, 1922.

181,861. (CLASS 37. PAPER AND STATIONERY.) COLLINS MFG. CO., Holyoke, Mass. Filed Aug. 29, 1922. Serial No. 168,827.

CONVERTIBLE

Particular description of goods.—Bond Writing and Printing Paper.
Claims use since March, 1917.

181,862. (CLASS 22. BROOMS, BRUSHES, AND DUSTERS.) WEIL-RANSOM CO., Chicago, Ill. Filed July 14, 1922. Serial No. 166,917.

HOLT'S

Particular description of goods.—Wool Dusters.
Claims use since Sept. 1, 1913.

181,863. (CLASS 37. PAPER AND STATIONERY.) L. D. VAN VALKENBERG, Co., Holyoke, Mass. Filed Apr. 8, 1922. Serial No. 161,948.

Sta-Fast

Particular description of goods.—Pen Clips and Pencil Clips.
Claims use since about Dec. 14, 1920.

181,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREEN & GREEN COMPANY, Dayton, Ohio. Filed Feb. 20, 1922. Serial No. 159,576.

EDGEMONT

Particular description of goods.—Crackers, Cracker Meal, Cakes, Wafers, Biscuits, Confection, and Chocolate-Coated Crackers and Cakes.
Claims use since November, 1906.

181,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRISTIAN LUERSTORF, Boyd, Wis. Filed Jan. 13, 1922. Serial No. 157,892.

BOYD

Particular description of goods.—Prepared Wheat and Corn Flour.
Claims use since Jan. 1, 1921.

181,866. (CLASS 39. CLOTHING.) LURIE MANUFACTURING COMPANY, Chicago, Ill. Filed June 11, 1921. Serial No. 149,010.

PERFECT FITTING
MASTERCRAFT
TROUSERS

Particular description of goods.—Men's and Boys' Trousers.
Claims use since Mar. 1, 1921.

181,867. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SIMPLEX ALARM COMPANY, Milwaukee, Wis., assignor, by mesne assignments, to H. W. Le Mahieu, Oostburg, Wis. Filed Apr. 25, 1921. Serial No. 146,745.

Simplex

Particular description of goods.—Electrical Alarm Systems as a Whole.
Claims use since Feb. 15, 1921.

181,868. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HERRICK-BALDWIN-COX CORPORATION, Springfield, Mass. Filed Apr. 6, 1923. Serial No. 178,665.

TEETACAR

Particular description of goods.—Wheeled Toy Vehicles.
Claims use since Feb. 5, 1923.

181,869. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WEBB COMPANY, Milwaukee, Wis. Filed Apr. 9, 1923. Serial No. 178,887.

"ONE MAN"

Particular description of goods.—Road Graders.
Claims use since Sept. 9, 1922.

181,870. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HIPP. DIDISHEIM CO., INC., New York, N. Y. Filed Apr. 11, 1923. Serial No. 179,003.

WEE SIZE

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since about Jan. 10, 1923.

181,871. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GREENFIELD'S SONS, New York and Brooklyn, N. Y., assignor to The Chocolate Sponge Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 28, 1923. Serial No. 179,864.

CHOCOLATE SPONGE

Particular description of goods.—Chocolate Candies.
Claims use since 1915.

181,872. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) EMANUEL SILVERMAN, doing business as Holyoke Umbrella Co., Holyoke, Mass. Filed Apr. 30, 1923. Serial No. 179,970.

Rustproof

Particular description of goods.—Umbrellas.
Claims use since on or about Oct. 1, 1921.

181,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BLACK SALVE CO., Wheeling, W. Va. Filed May 7, 1923. Serial No. 180,265.

The Genuine Black Salve

Particular description of goods.—Salve Used in the Treatment of Inflammation, Soreness, Boils, Bealings, Carbuncles, Felons, Old Sores, Cuts, Sore Throat, Cold in the Chest, Pneumonia, and Backache.
Claims use since Aug. 1, 1917.

181,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. MIERKE, St. Paul, Minn. Filed May 11, 1923. Serial No. 180,484.

TRI-ASPIRIN COMPOUND

Particular description of goods.—A Medicine for Use in the Treatment of Headache, Neuralgia, Toothache, Earache, Colds, Lumbago, La Grippe, and Rheumatism.
Claims use since Jan. 1, 1923.

181,875. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NORMA COMPANY OF AMERICA, Long Island City, N. Y. Filed May 11, 1923. Serial No. 180,487.

HOFFMANN

Particular description of goods.—Ball Bearings and Roller Bearings and Their Parts, Including Steel Rollers.
Claims use since Feb. 26, 1921.

181,876. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRESERVING CO., Los Angeles, Calif. Filed May 12, 1923. Serial No. 180,519.

CATALINA

Particular description of goods.—Canned Fruits and Vegetables, Jams, Jellies, Fruit Preserves, and Marmalades.
Claims use since Jan. 1, 1923.

181,877. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEO. B. CLEMMER, doing business as Master Piston Co., Baltimore Md. Filed May 22, 1923. Serial No. 180,962.

MASTER

Particular description of goods.—Pistons.
Claims use since June, 1922.

181,878. (CLASS 39. CLOTHING.) HYMAN MARKOFSKY, New York, N. Y. Filed May 28, 1923. Serial No. 181,298.

HYMAN MARKOFSKY
THE HOUSE OF FINE CLOTHES

Particular description of goods.—Men's Suits, Men's Overcoats, Ladies' Suits, Ladies' Coats, Boy's Suits, and Boys' Overcoats.
Claims use since Jan. 2, 1923.

181,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEIER & FRANK CO., Portland, Oreg. Filed June 9, 1923. Serial No. 181,761.

Sweetmeets

Particular description of goods.—Candy.
Claims use since Feb. 1, 1923.

181,880. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WILLIAM EDWARDES BAXTER, Louisville, Ky. Filed June 21, 1923. Serial No. 182,287.

BAXTER

Particular description of goods.—Cooking and Heating Stoves and Ranges and Portable Stoves.
Claims use since 1897.

181,881. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOACHIM MESSINA, doing business as J. Messina Chemical Company, Memphis, Tenn. Filed Feb. 21, 1923. Serial No. 176,415.

PRINCESS YOLANDA SHAMPOO

Particular description of goods.—Shampoos.
Claims use since June 5, 1922.

181,882. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE CASTELBERG NATIONAL JEWELRY COMPANY, INC., Baltimore, Md. Filed Feb. 10, 1923. Serial No. 175,848.

COLUMBIA

Particular description of goods.—Watch Movements.
Claims use since Jan. 1, 1923.

181,883. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEITS ELECTRIC & MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 10, 1923. Serial No. 175,841.

BI-LITE

Particular description of goods.—Lamp Sockets.
Claims use since July 1, 1922.

181,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD EMMEL, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 175,776.

BUTTER COLOR

Particular description of goods.—Lard.
Claims use since Jan. 31, 1923.

181,885. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ART LAMP MFG. COMPANY, Chicago, Ill. Filed Jan. 20, 1923. Serial No. 174,812.

VOGUE LAMPS

Particular description of goods.—Electric Lamps.
Claims use since Nov. 11, 1922.

181,886. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GORDON O. WILKINSON, Philadelphia, Pa. Filed Jan. 17, 1923. Serial No. 174,715.

HOME-BUILT

Particular description of goods.—Radio Receiving Coils.
Claims use since Dec. 20, 1922.

181,887. (CLASS 24. MUSICAL INSTRUMENTS AND SUPPLIES.) SONORA, INC., New York, N. Y. Filed Jan. 13, 1923. Serial No. 174,396.

MARLBOROUGH

Particular description of goods.—Talking Machines and Phonographs.
Claims use since on or about August, 1922.

181,888. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WILLIAM HELBEIN, New York, N. Y., assignor to Fisher Importing Co., Inc., New York, N. Y., a Corporation of New York Filed Jan. 6, 1923. Serial No. 174,244.

SARANAC WATCHES

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.
Claims use since on or about Dec. 8, 1922.

181,889. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MASTER TIRE & RUBBER CO., Dayton, Ohio. Filed Feb. 23, 1923. Serial No. 176,489.

Miami Cord

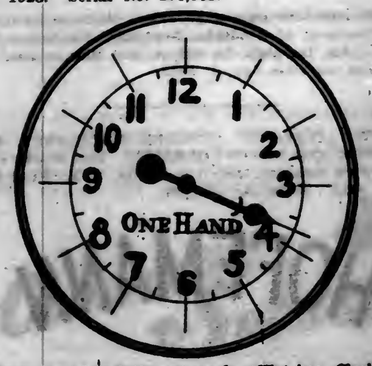
Particular description of goods.—Rubber Tires.
Claims use since Jan. 2, 1923.

181,890. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE CASTELBERG NATIONAL JEWELRY COMPANY, INC., Baltimore, Md. Filed Mar. 5, 1923. Serial No. 176,947.

LEXINGTON

Particular description of goods.—Watch Movements.
Claims use since Jan. 1, 1923.

181,891. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ONE HAND CLOCK COMPANY, Warren, Pa. Filed Apr. 4, 1923. Serial No. 178,565.



Particular description of goods.—Watches, Clocks, and Watch and Clock Dials.
Claims use since about December, 1921.

181,892. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE CASTELBERG NATIONAL JEWELRY COMPANY, INC., Baltimore, Md. Filed Mar. 5, 1923. Serial No. 176,948.

VERNON

Particular description of goods.—Watch Movements.
Claims use since Jan. 1, 1923.

181,893. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HYGIENIC FIBRE COMPANY, Versailles, Conn., and New York, N. Y. Filed Mar. 10, 1923. Serial No. 177,224.

HYGIENIC MADE

Particular description of goods.—Absorbent Cotton, Absorbent Gauze, Absorbent Waste, Bandage Rolls, Crinoline Bandages, Dental Napkins, Gauze Bandages, Gauze Pads, Muslin Bandages, and Surgeon's Adhesive Plaster.
Claims use since Feb. 1, 1923.

181,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN ESS LABORATORIES, INC., Chicago, Ill. Filed Mar. 13, 1923. Serial No. 177,415.

CASTROIL SHAMPOO

The word "Shampoo" does not form a part of the registration sought apart from the mark as shown on the drawing.
Particular description of goods.—Shampoo.
Claims use since Feb. 1, 1923.

181,895. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed Mar. 16, 1923. Serial No. 177,577.

KWIKDRY

Particular description of goods.—Enamel Paints.
Claims use since Jan. 30, 1923.

TRADE-MARK REGISTRATIONS RENEWED.

24,001. WHEAT FLOUR. Registered January 9, 1894. LA GRANGE MILLS, Red Wing, Minn. Renewed January 9, 1924.

24,002. WHEAT FLOUR. Registered January 9, 1894. LA GRANGE MILLS, Red Wing, Minn. Renewed January 9, 1924.

24,004. WHEAT FLOUR. Registered January 9, 1894. LA GRANGE MILLS, Red Wing, Minn. Renewed January 9, 1924.

24,486. WATCHCASES. Registered April 3, 1894. ILLINOIS WATCH CASE COMPANY, Elgin, Ill. Renewed April 3, 1924.

24,919. FLOUR AND PREPARED CEREALS. Registered June 26, 1894. FARWELL & RHINES. Renewed June 26, 1924, to The Farwell & Rhines Co., Watertown, N. Y., a Corporation, successors.

24,938. PAPER OF EVERY DESCRIPTION. Registered July 3, 1894. ROBERT FLETCHER & SON. Renewed July 3, 1924, to Robert Fletcher & Son Limited, Stoneclough, England, assignee.

24,958. A REMEDY FOR PHTHISIS, CHLORO-ANEMIA, AND SCROFULA. Registered July 3, 1894. BERNARDO DE TOLEDO, Valencia, Spain. Renewed July 3, 1924, to Louise Develle Lopez, New Orleans, La., assignee.

25,058. BUG POWDER. Registered July 24, 1894. ARTHUR NUSSEY. Renewed July 24, 1924, to Arthur H. Nussey, doing business as Nussey's Pharmacy, Paterson, N. J., assignee.

LABELS

REGISTERED MARCH 25, 1924.

27,114.—*Title:* NIL. DEODORANT COMPACTE. For a Deodorant Compact. THE COB CO., New York, N. Y. Published January 15, 1924.

27,115.—*Title:* THE MINERAL WAX TWINS CLEAN AND GOOD. For Inked Ribbons. THE COLUMBIA CARBON COMPANY, Dayton, Ohio. Published December 21, 1923.

27,116.—*Title:* MADE OF SELECTED CORN, CAN BE USED FOR BEST QUALITY CARPET. For Brooms. ANTONIO CORACI, doing business as Ace Broom Company, Brooklyn, N. Y. Published November 12, 1923.

27,117.—*Title:* LES PARFUMS. For Perfumes. ARTHUR FELDMAN, doing business as Jean de Parys, New York, N. Y. Published December 21, 1923.

27,118.—*Title:* SPARTAN. For Fresh Oranges. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif. Published November 1, 1923.

27,119.—*Title:* FIDELITY. For Fresh Oranges. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif. Published November 1, 1923.

27,120.—*Title:* ECLIPSE. For Fresh Oranges. GLENDORA MUTUAL ORANGE ASSOCIATION, Azusa, Calif. Published November 1, 1923.

27,121.—*Title:* IN SPIR OL. For Medicines for Treatment and Relief of Coughs, Colds, Catarrh, Laryngitis, Bronchitis, and Diseases of the Respiratory Organs. KOPPEL GLICKMAN, Milwaukee, Wis. Published January 2, 1922.

27,122.—*Title:* BULLETIN PAINT. For Paint for Bulletin Boards for Outdoor Use. THE O. J. GUDE CO. N. Y., New York, N. Y. Published January 31, 1924.

27,123.—*Title:* DROMEDARY GRAPEFRUIT. For Canned Grapefruit. THE HILLS BROTHERS COMPANY, New York, N. Y. Published February 7, 1924.

27,124.—*Title:* MA-JON. For Antiseptic Cleanser and Washing Powder. LEO R. HIMMELBERGER, doing business as Genesee Products Co., Flint, Mich. Published February 1, 1924.

27,125.—*Title:* CHOCOLATES. For Boxes Containing Candy. MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published January 2, 1924.

27,126.—*Title:* KIDDIHOSE FOR TINY TOES. For Hosiery. NICHOLSON-FEINBERG, INC., New York, N. Y. Published February 14, 1924.

27,127.—*Title:* KLEEN HAND. For Stove Cloth. KATE CARPENTER RAWLES, doing business under the name of Kleen Hand Products Co., Fernley, Nev. Published June 20, 1923.

27,128.—*Title:* SCHWAB'S NATURE FACE POWDER. For Face Powder. A. SCHWAB, Memphis, Tenn. Published February 19, 1924.

27,129.—*Title:* M. F. SUAREZ. For Cigars. M. F. SUAREZ CIGAR MANUFACTURING COMPANY, Clarksburg, W. Va. Published October 30, 1923.

PRINTS

REGISTERED MARCH 25, 1924.

7,257.—*Title:* CERTIFIED EGGS. For Eggs. KOSTER BUTTER & EGG CO., INC., New York, N. Y. Published January 22, 1924.

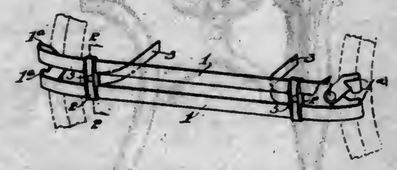
7,258.—*Title:* NONIK. For Drinking Tumblers. ALBERT PICK & COMPANY, Chicago, Ill. Published December 27, 1922.

7,259.—*Title:* ASK ABOUT OUR BUDGET PLAN OF SELLING FURNITURE AND FLOOR COVERINGS. For Household Furnishings, Including Furniture and Floor Coverings. O. W. RICHARDSON & CO., Chicago, Ill. Published December 20, 1923.

REISSUES

MARCH 25, 1924.

15,800. AUTOMOBILE BUMPER. OSCAR H. GOWTZ, Bridgeport, Conn., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 27, 1923. Serial No. 635,152. Original No. 1,394,893, dated Oct. 25, 1921, Serial No. 490,209, filed Aug. 6, 1921. 3 Claims. (Cl. 293—55.)



3. An automobile bumper comprising an impact member consisting of two horizontal transversely extended bars set vertically edgewise in substantially the same vertical plane; inflexible ties extending across both said bars at a substantial distance inward from their opposite ends for securing said bars rigidly together and definitely spacing them apart, and supporting arms of flat spring bar set vertically edgewise secured to said ties, respectively, and curved horizontally in opposite directions from their securement to said vertical ties and from their said curves extending for attachment to the vehicle; whereby the shock of impact upon the end portions of either of the impact bars outward from the ties tends to torsionally flex the curved end portion of the supporting arm, stiffening it against flexure in the plane of different curvature.

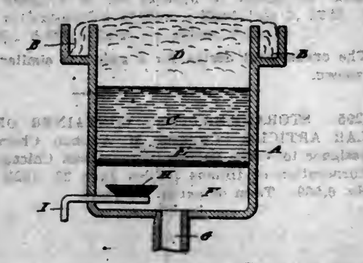
15,801. SEMIAUTOMATIC FIREARM. RUDOLF RICHIGER, Thun, Switzerland. Filed Jan. 21, 1921. Serial No. 439,025. Original No. 1,135,722, dated Apr. 13, 1915, Serial No. 876,242, filed Dec. 9, 1914. 19 Claims. (Cl. 42—4.)

1. In a recoil operated firearm, the combination with a stock, of a raceway fixedly attached thereto, a recoilable receiver upon said raceway, a breech-bolt carrier rotatable and slidable in said receiver, a breech-bolt upon said carrier, and means whereby upon recoil of the receiver the carrier is caused to impart rotative movement to the breech-bolt and rotate itself upon the latter in a



direction opposite to the direction of rotation of the breech-bolt, including means carried by the raceway to transmit the recoil of the receiver to said carrier.

15,802. ORE-CONCENTRATION PROCESS. WALTER A. SCOTT, Chicago, Ill., assignor to Minerals Separation North American Corporation, a Corporation of Maryland. Filed Feb. 1, 1919. Serial No. 274,527. Original No. 1,246,665, dated Nov. 13, 1917, Serial No. 186,666, filed Aug. 17, 1917. 22 Claims. (Cl. 83—85.)



21. An ore concentrating process including the operations of introducing into an ore pulp fine bubbles of air to form a froth and separating the mineral carried by the bubbles in the froth and which further includes the use of oil vapor mixed with the air prior to its introduction.

DESIGNS

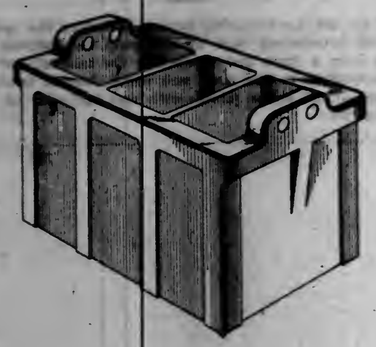
MARCH 25, 1924.

64,294. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y. Filed Dec. 7, 1923. Serial No. 7,973. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

64,295. STORAGE-BATTERY CONTAINER OR SIMILAR ARTICLE. CLIFFORD M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1923. Serial No. 6,559. Term of patent 14 years.



The ornamental design for a storage battery container or similar article, as shown.

64,296. DOOR HANDLE. GEORGE CAWTHRON, Redwood City, Calif., assignor to Axford & De Shields, San Jose, Calif., a Copartnership comprising H. W. Axford and A. De Shields. Filed May 31, 1923. Serial No. 6,354. Term of patent 3½ years.



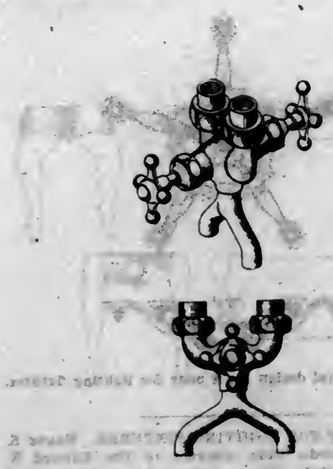
The ornamental design for a door handle as shown.

64,297. BOTTLE. LEON COHN, Paris, France. Filed Sept. 26, 1923. Serial No. 7,341. Term of patent 7 years.



The ornamental design for a bottle substantially as shown.

64,298. FAUCET. CHARLES R. CRANE, 2d, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1923. Serial No. 7,968. Term of patent 14 years.



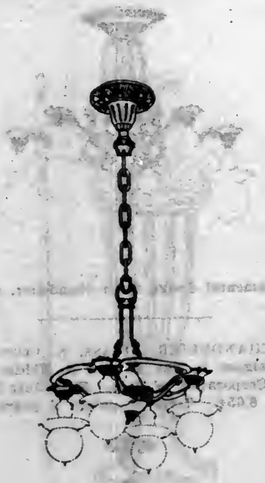
The ornamental design for a faucet as shown.

64,299. LIGHTING-FIXTURE BRACKET. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,658. Term of patent 7 years.



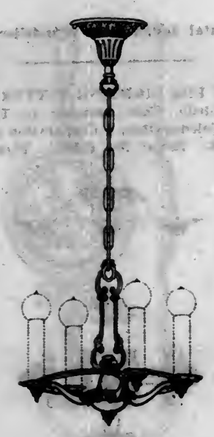
The ornamental design for a lighting fixture bracket, as shown.

64,300. CHANDELIER. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,657. Term of patent 7 years.



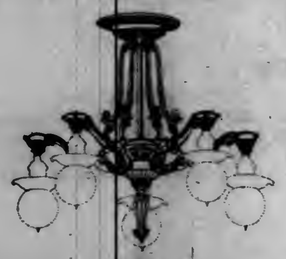
The ornamental design for a chandelier, as shown.

64,301. CHANDELIER. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,656. Term of patent 7 years.



The ornamental design for a chandelier, as shown.

64,302. CHANDELIER. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,655. Term of patent 7 years.



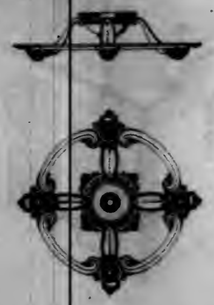
The ornamental design for a chandelier, as shown.

64,303. CHANDELIER. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,654. Term of patent 7 years.



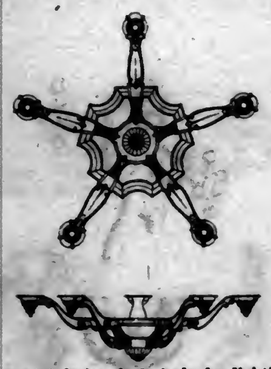
The ornamental design for a chandelier, as shown.

64,304. BODY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,650. Term of patent 7 years.



The ornamental design for a body for lighting fixtures, as shown.

64,305. BODY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,649. Term of patent 7 years.



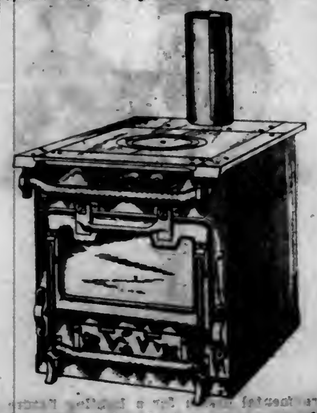
The ornamental design for a body for lighting fixtures, as shown.

64,306. BRACE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1923. Serial No. 6,647. Term of patent 7 years.



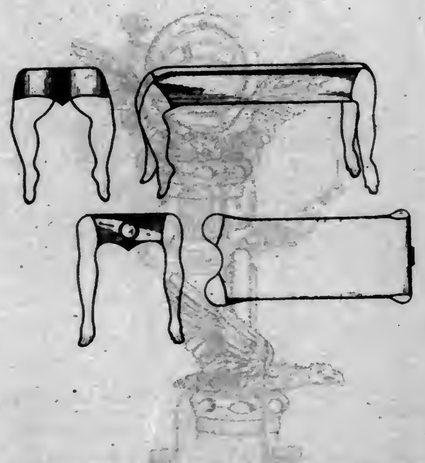
The ornamental design for a brace for lighting fixtures, as shown.

64,307. GAS RANGE. HENRY W. O'DOWD, Jersey City, N. J., assignor to William M. Crane Company, a Corporation of New York. Filed Aug. 27, 1921. Serial No. 496,172. Term of patent 14 years.



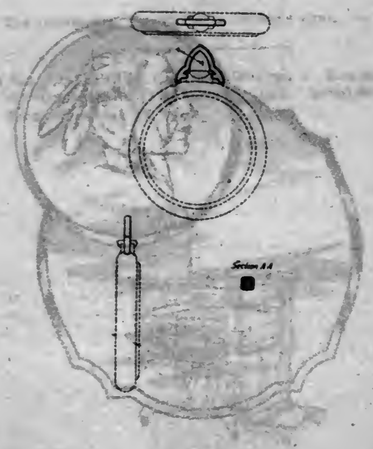
The ornamental design for a gas-range, as shown.

64,308. TOY COUCH. CARL EMMERT, Cincinnati, Ohio. Filed June 12, 1922. Serial No. 2,649. Term of patent 7 years.



The ornamental design for a toy couch, substantially as shown.

64,309. WATCHCASE BOW. JOSEPH FAHYS, Locust Valley, N. Y., assignor to Joseph Fahys & Company, New York, N. Y., a Corporation of New York. Filed Jan. 29, 1924. Serial No. 8,478. Term of patent 7 years.



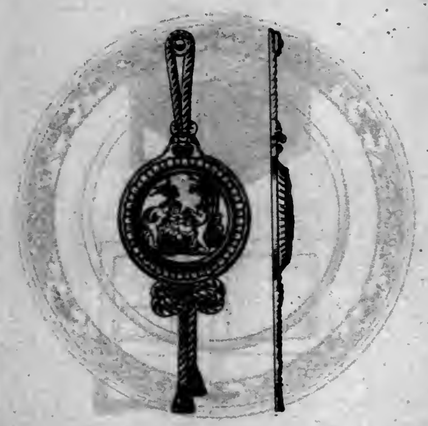
The ornamental design for a watchcase bow, as shown.

64,310. ORNAMENT FOR BEDSTEAD FRAMES. BENJAMIN M. FRANK, New York, N. Y., assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 7, 1923. Serial No. 6,726. Term of patent 3½ years.



The ornamental design for an ornament for bedstead frames, as shown.

64,311. ORNAMENT FOR BEDSTEAD FRAMES. BENJAMIN M. FRANK, New York, N. Y., assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 21, 1923. Serial No. 7,053. Term of patent 3½ years.



The ornamental design for an ornament for bedstead frames, as shown.

64,312. PLATE OR SIMILAR ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Dec. 27, 1923. Serial No. 8,159. Term of patent 7 years.



The ornamental design for a plate or similar article.

64,313. PLATE OR SIMILAR ARTICLE. WILLIAM P. GRAHAM, New York, N. Y. Filed Dec. 27, 1923. Serial No. 8,160. Term of patent 7 years.



The ornamental design for a plate or similar article.

64,314. RADIATOR CAP. GIUSEPPE JOANNES, Turin, Italy. Filed Aug. 7, 1923. Serial No. 6,965. Term of patent 14 years.



The ornamental design for a radiator cap, as shown.

64,315. NAME PLATE FOR A DOOR. SAMUEL M. KATZ, New York, N. Y. Filed Jan. 10, 1924. Serial No. 8,289. Term of patent 14 years.



The ornamental design for a name plate for a door, as shown.

64,316. BARBER'S CHAIR. WALTER F. KOKEN, Webster Groves, Mo. Filed Jan. 2, 1924. Serial No. 8,224. Term of patent 14 years.



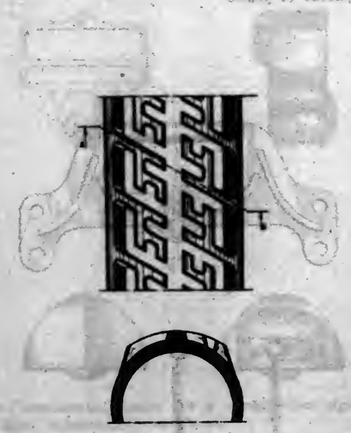
The ornamental design for a barber's chair, as shown.

64,317. BARBER'S CHAIR. WALTER F. KOKEN, Webster Groves, Mo. Filed Jan. 2, 1924. Serial No. 8,227. Term of patent 14 years.



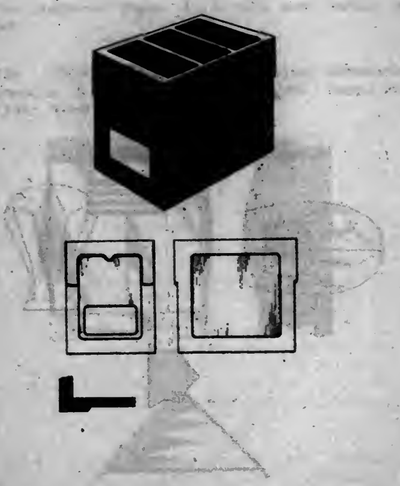
The ornamental design for a barber's chair, as shown.

64,318. TIRE. ARMOND D. MATHYS, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1923. Serial No. 8,205. Term of patent 14 years.



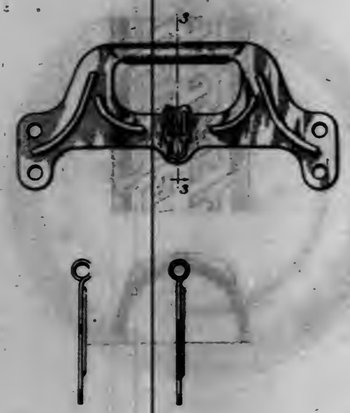
The ornamental design for a tire substantially as shown.

64,319. BATTERY BOX. PAUL E. NORRIS, Forest Hills Borough, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 26, 1923. Serial No. 5,275. Term of patent 14 years.



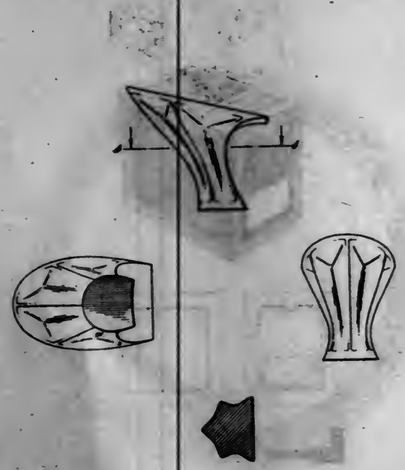
The ornamental design for a battery box, as shown.

64,320. HANDLE. PAUL B. NORRIS, Forest Hills Borough, Pa., assignor to Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 26, 1923. Serial No. 5,272. Term of patent 14 years.



The ornamental design for a handle, as shown.

64,321. SHOE HEEL. WILLIAM H. NUTT, Newburyport, Mass. Filed Jan. 17, 1923. Serial No. 4,909. Term of patent 7 years.



The ornamental design for a shoe heel, as shown and described.

64,322. AUTOMOBILE SIGNAL LAMP. HANS PETERSEN, Milwaukee, Wis. Filed Apr. 26, 1923. Serial No. 5,965. Term of patent 7 years.



The ornamental design for an automobile signal lamp, as shown.

64,323. COAT AND HAT RACK. JOHN SAFAR, Chicago, Ill. Filed Dec. 15, 1923. Serial No. 8,060. Term of patent 7 years.



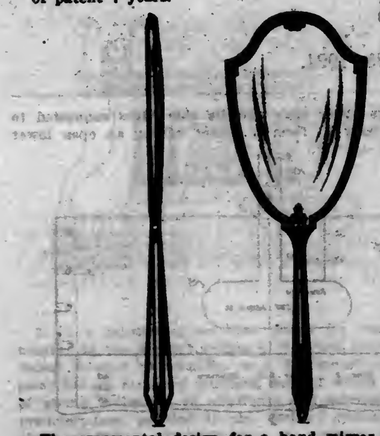
The ornamental design for a coat and hat rack, as shown.

64,324. BELT SLIDE. JACOB I. SCHAFFER, New York, N. Y., assignor to Slote & Schaffer, Mount Vernon, N. Y., a Copartnership consisting of Jacob I. Schaffer and Reuben Slote. Filed Dec. 31, 1923. Serial No. 8,203. Term of patent 3½ years.



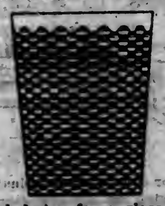
The ornamental design for a belt slide as shown.

64,325. HAND MIRROR OR SIMILAR ARTICLE. RICHARD J. SCHULER, Brooklyn, N. Y., assignor to Saart Brothers Company, a Corporation of Rhode Island. Filed Jan. 9, 1924. Serial No. 8,283. Term of patent 7 years.



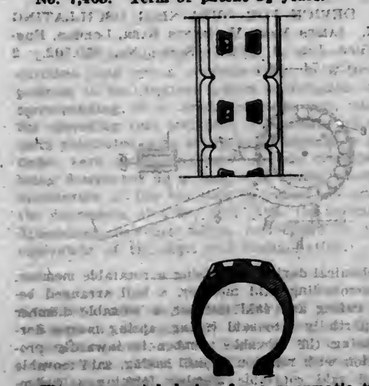
The ornamental design for a hand mirror or similar article as shown.

64,326. GLASS TUMBLER OR SIMILAR ARTICLE OF MANUFACTURE. JOHN F. SMYTH, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 8, 1921. Serial No. 499,346. Term of patent 3½ years.



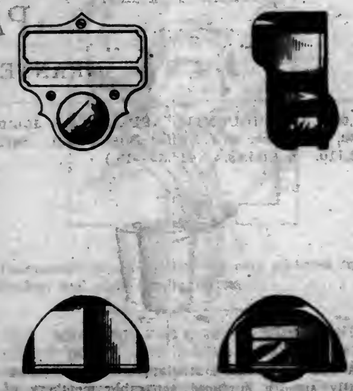
The ornamental design for a glass tumbler or similar article of manufacture, substantially as shown.

64,327. PNEUMATIC-TIRE TREAD. CHARLES E. A. SPIEGEL, New York, N. Y. Filed Oct. 10, 1923. Serial No. 7,465. Term of patent 3½ years.



The ornamental design for a pneumatic tire tread as shown.

64,328. COMBINATION SIGNAL AND TAIL LIGHT. JOHN S. WILLIAMSON, Baltimore, Md., and HERBERT L. BEACH, Pittsburgh, Pa. Filed Dec. 21, 1923. Serial No. 8,116. Term of patent 3½ years.



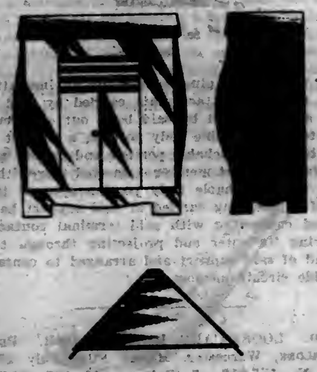
The ornamental design for a combination signal and tail light, substantially as shown.

64,329. RADIO OUTFIT CABINET. FRANK ZIDAR, Detroit, Mich. Filed Feb. 3, 1923. Serial No. 5,064. Term of patent 14 years.



The ornamental design for a radio outfit cabinet as shown.

64,330. PHONOGRAPH CABINET. JACOB ZITSERMAN, Brooklyn, N. Y. Filed Dec. 20, 1923. Serial No. 8,106. Term of patent 14 years.



The ornamental design for a phonograph cabinet, as shown.

PATENTS

GRANTED MARCH 25, 1924.

1,487,696. ORTHODONTIC APPLIANCE. JULIUS ADLER, New York, N. Y. Filed July 2, 1921. Serial No. 482,110. 6 Claims. (Cl. 32—19.)



1. A two part orthodontic appliance comprising longitudinally smooth surfaced separable members of such relative configuration that when the two are in close surface contact with each other, the two parts become so firmly united so as to become incapable of separation by manual means, or by any of the effects of use, but only by an instrument, said two parts comprising respectively a tubular socket open only at its opposite ends and having continuous walls forming a receiving recess of fixed outline and a plug having a continuous rigid surface conforming to the cross-sectional form of said socket and adapted to fit into said fixed recess in surface engagement with said socket so as to be completely enclosed thereby, said socket and plug being both tapered toward one end with the same degree of convergence.

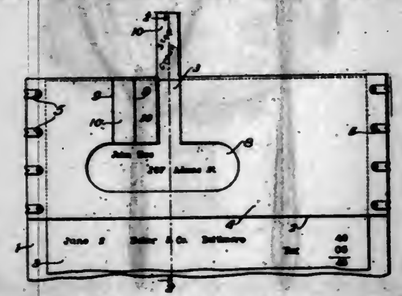
1,487,699. ATTACHMENT PLUG. ALBERT W. ALBRECHT, St. Louis, Mo. Filed Mar. 25, 1920. Serial No. 368,536. 3 Claims. (Cl. 200—115.5.)



1. An attachment plug, comprising an insulating base body, a terminal contact plate carried by said body, a contact sleeve carried by said body out of circuit with said plate, a detachable body portion, a contact member carried by said detachable portion and having an exteriorly threaded socket member connected therewith, a support in said detachable body portion open at its outer end, and a fuse plug carried in said support having its inner end contacting with said terminal contact plate, and having its outer end projecting through the open outer end of said support and arranged to contact with an outside circuit member.

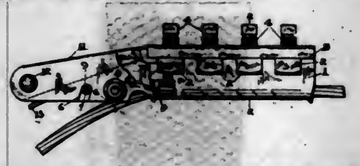
1,487,700. LOOSE-CARD BILL HOLDER. PERCY M. BACHELDER, Worcester, Mass. Filed July 27, 1922. Serial No. 577,912. 7 Claims. (Cl. 126—16.7.)

1. A loose card bill holder comprising a body part, and a wall across the upper part of said body part and having its upper edge and its side edges connected to the said body to form a pocket having an open lower



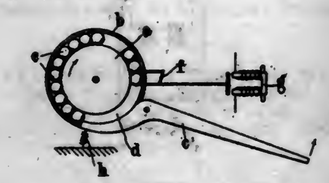
end to permit the upper end of a sheet to be inserted in said pocket, the said wall being formed with an opening to permit the display of a name written on said sheet.

1,487,701. CLAMP. THOMAS H. BARNARD, Toronto, Ontario, Canada. Filed Feb. 27, 1923. Serial No. 621,658. 10 Claims. (Cl. 24—135.)



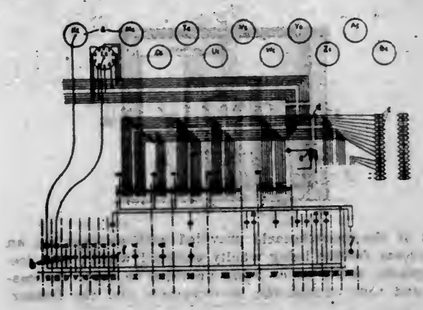
1. In a clamp for cables, the combination of a channel-shaped casing having an opening formed in each side thereof; a stationary block supported in said openings; and a movable member carried by said block by means of which a cable may be clamped against the bottom of the casing.

1,487,702. DEVICE FOR OBTAINING OSCILLATING MOTION. JAMES MARK MCGINNIS BARR, London, England. Filed July 9, 1923. Serial No. 650,502. 2 Claims. (Cl. 74—14.)



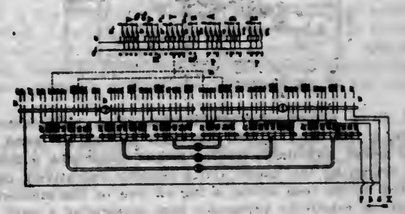
1. A mechanical device comprising a rotatable member, a casing surrounding said member, a ball arranged between said casing and said member, a movable member projecting partially into said casing, spring means normally retaining the movable member in inwardly projected position with relation to said casing, said movable member and said rotatable member forming a wedge-shaped space, and means for permitting said ball to pass into said space.

1,487,703. CALCULATING MACHINE. JAMES MARK MCGINNIS BARR, London, England. Filed July 9, 1923. Serial No. 650,503. 5 Claims. (Cl. 235—61.)



1. In a calculating machine means for converting a number in the decimal system of notation into the equivalent number or numbers in a denominational system comprising a series of counters, each of which is capable of giving indication of all digits and corresponds to a predetermined position in the decimal system of notation, printing means indicating the number in the denominational system, and electrical means interposed between the printing means and the counters and selectively controlled by the counters, said electrical means controlling the printing means to indicate the number in the denominational system.

1,487,704. COMMUNICATION OF TYPED OR REGISTERED NUMERICAL VALUES TO COMPUTING MECHANISMS. JAMES MARK MCGINNIS BARR, London, England. Filed July 9, 1923. Serial No. 650,504. 7 Claims. (Cl. 235—61.)



1. In a calculating machine, a series of groups of switches each group corresponding to a predetermined position in the decimal system of notation, each switch corresponding to a predetermined digit, electomagnets for operating said switches, a plurality of electric circuits associated with said electromagnets, a plurality of finger keys controlling said electric circuits, each key being designated by a digit, and means whereby the denomination of the key may be varied, so arranged that the depression of a key will cause the operation of predetermined switches which correspond to the decimal equivalent of the digit and denomination.

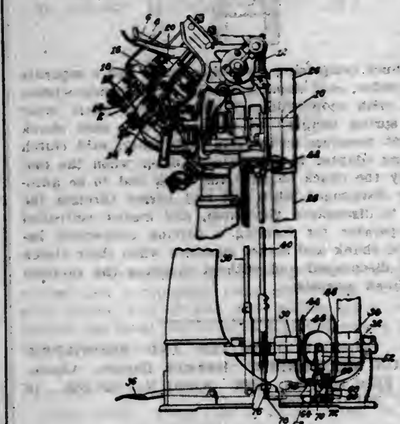
1,487,705. ADVERTISING-DISPLAY CARD. JAMES B. BATEMAN, Arlington, N. J., assignor to Bewtex Products Corporation, New York, N. Y., a Corporation of New York. Filed July 31, 1923. Serial No. 654,861. 8 Claims. (Cl. 40—135.)

1. An advertising display card comprising a picture clearly visible by reflected light, and a positive print of the same picture on transparent material placed behind and coincident with the aforesaid picture to enhance the contrast when viewing the picture by transmitted light,



and transparent means for holding said pictures in fixed relationship, and rigid for handling.

1,487,706. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. CHARLES FAWCETT BENNION, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 22, 1920, Serial No. 390,943. Renewed Jan. 5, 1924. 37 Claims. (Cl. 12—4.)



1. In a machine for operating on shoes, the combination with means for performing different operations on a shoe successively in the course of the cycle of operations of the machine, of power driven operating mechanism, and means operative as an incident to the normal cycle of the machine to change the speed of said operating mechanism at a predetermined time in the cycle.

1,487,707. GOLF CLUB. DUDLEY C. BENTON, San Diego, Calif. Filed Dec. 13, 1922. Serial No. 606,619. 6 Claims. (Cl. 46—4.)



1. A golf club including a shaft provided with a tapering recess in its normally lower end and an annular key on the inside of said recess, and a head member

provided with a tapered lug conforming substantially with the tapered recess in said shaft and provided with an annular channel for the reception of said annular key.

1,487,708. CHUCK. JAMES L. BERNARD, Beaver, Pa. Filed Feb. 28, 1923. Serial No. 621,851. 6 Claims. (Cl. 279—1.)



1. A chuck comprising a shank member and a separate socket member, said shank and said socket members being provided with cooperating clutch faces on their inner ends, a spring adapted to normally force said shank and socket members away from each other, said clutch faces being adapted to engage each other when the tool carried by the chuck engages the work and to be automatically disengaged when the tool passes through the work or is disengaged therefrom, and means controlled by the operator for forming a driving connection between said shank and socket members when their clutch faces are disengaged and without stopping the rotation of said shank member.

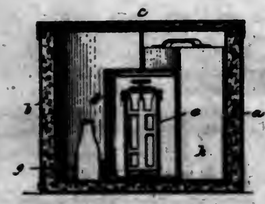
1,487,709. FUEL ECONOMIZER AND SMOKE-PREVENTION MECHANISM. HERMAN BESSER, Alpena, Mich. Filed Mar. 15, 1923. Serial No. 625,265. 18 Claims. (Cl. 126—99.)



1. The combination of a pair of drums, one positioned eccentrically within the other and having common end closures, pipes communicating with the interior of the inner drum through said closures, means in one of said end closures for permitting entrance of air into the space between the drums, and pipe means leading from said space near the opposite end adapted to convey heated air therefrom to a distant point.

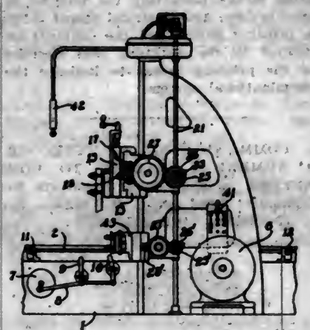
1,487,710. COMBINED REFRIGERATOR AND ICE-CREAM FREEZER. PORTER L. BLISS, San Francisco, Calif. Filed Jan. 27, 1920. Serial No. 354,455. 1 Claim. (Cl. 220—16.)

In a portable refrigerator and ice cream freezer, an insulated casing, a smaller metal wall ice-receptacle anchored centrally therein to thereby form an annular article-holding space around the ice-receptacle within the insulated casing, and a metal food-receptacle shaped to fit said annular space having a side adjacent the metal



wall of the ice-receptacle provided with an opening, an ice cream freezer being wholly enclosed within said ice-receptacle, and a cover being provided to cover the casing and thus enclose the ice-receptacle and the freezer.

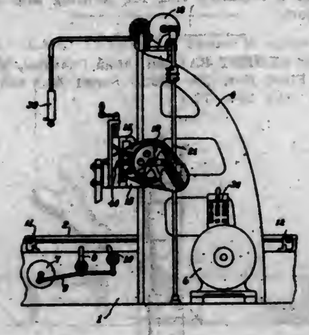
1,487,711. FEED MECHANISM FOR PLANERS. HAROLD L. BLOOD, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 24, 1921. Serial No. 455,058. 13 Claims. (Cl. 90—49.)



7. In a planer, the combination of a reciprocating table, a tool head, a feed screw for moving the head, a feed motor, adjustable feeding means comprising a member driven by the motor and a member operatively connected to the feed screw, a lug on one of the members, a pair of relatively adjustable lugs comprising a part of the other member and adapted to engage the first lug, means for relatively adjusting said pair of lugs, mechanism including the said adjustable means for intermittently and automatically feeding the head from the motor in synchronism with the table reciprocation, and means for controlling the continuous operation of the motor for traversing the head, the feeding and traversing of the head taking place from the motor to the screw through the said adjustable means.

1,487,712. FEED MECHANISM FOR PLANERS. HAROLD L. BLOOD, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 29, 1921. Serial No. 456,545. 21 Claims. (Cl. 90—49.)

1. In a planer, the combination of a reciprocating table, means for reciprocating the table, a tool head adjacent the table, a feed screw for moving the head transversely of the table reciprocation, a tool feeding and traversing shaft, an operative connection from the shaft to the screw for continuously traversing the tool, driving means for said shaft, manual controlling means for said driving means remote from the tool head for controlling the operation of the shaft to traverse the tool in either direction, the reverse traverse of the tool be-



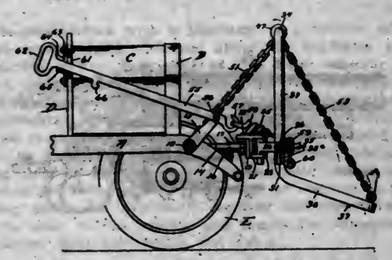
ing controlled from the said remote controlling means, and means whereby the tool may be intermittently fed from the said shaft.

1,487,713. HOE. BENJAMIN BUCHER, Whitehouse, Ohio. Filed Jan. 21, 1922. Serial No. 530,905. 2 Claims. (Cl. 97—227.)



2. A hoe comprising a bottom member and side cutting member, a handle having a shank secured to the bottom member and bent upwardly and forwardly in substantially the same plane with the side cutting member said shank having a cutting edge, substantially as set forth.

1,487,714. SAFETY FENDER FOR AUTOMOBILES. THOMAS F. BUCK, New Castle, Pa. Filed Oct. 17, 1923. Serial No. 669,100. 10 Claims. (Cl. 293—45.)



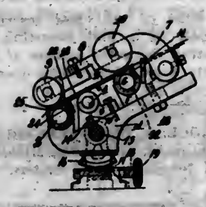
1. A safety fender for automobiles comprising a pair of arms secured upon the forward ends of the side bars of the automobile frame, a transverse member extending through said arms, a pair of arms rotatably mounted upon said transverse member and connected by a cross-bar normally resting upon the first named arms, a bar carried by the forward ends of the second named arms, U-shaped hinge elements carried by the ends of said bar, forwardly extending members engaged within said U-shaped hinge elements and removably held by pintle pins, an inverted U-shaped hand-rail connected with said last named members, a shaft extending through said last named members, a fender carried by the shaft, and means for swinging the fender vertically.

1,487,715. PROCESS OF MAKING A BIFOCAL LENS WITH MERGED SURFACES. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed July 5, 1923. Serial No. 649,649. 2 Claims. (Cl. 51—278.)



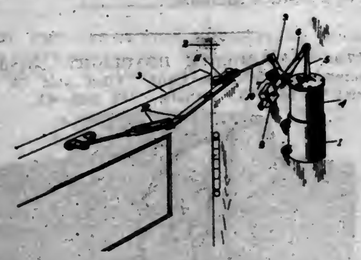
1. In the process of surfacing onepiece bifocal lenses, generating the reading field with a slightly raised surface central thereof, and thereafter polishing said reading field with a polishing button, having substantially one-half the diameter of the reading field.

1,487,716. DRAWING MECHANISM. ARTHUR CECIL BUTLER, Boston, Mass. Filed Sept. 16, 1922. Serial No. 588,582. 14 Claims. (Cl. 10—130.)



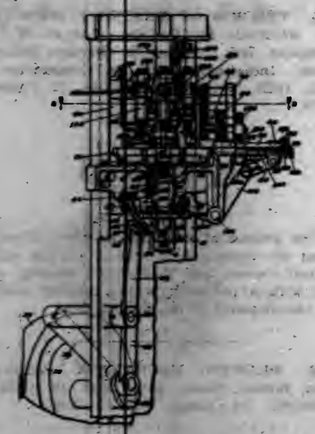
13. A drawing mechanism comprising a plurality of rollers, and a retarding plate cooperating with two of said rollers, one of said two rollers being adjustable toward and from the other of said two rollers and relative to said plate.

1,487,717. DOORCHECK. BENEDETTO CAPRA, Sacramento, Calif. Filed Aug. 7, 1922. Serial No. 580,023. 4 Claims. (Cl. 16—51.)



1. A door check including a vertical cylinder, a plunger therein, means between the door and said plunger whereby when the door is opened and closed the plunger will be lowered and raised respectively, means automatically acting on the plunger tending to cause the same to be raised and the door to be closed, means permitting unobstructed lowering of the plunger, and means acting thereon with a gradually lessening force as the door closes for retarding the closing action.

1,487,718. MACHINE FOR OPERATING ON SHOE PARTS. LOUIS A. CADORAIN, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 22, 1917, Serial No. 197,890. Renewed Apr. 29, 1922. Serial No. 557,424. 121 Claims. (Cl. 12—47.)



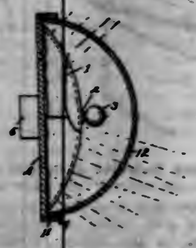
2. In a machine of the class described, means for treating one heel to a first breasting operation, and means for treating the same portion of another heel at the same time to a second breasting operation.

1,487,719. PROCESS OF MALLEABLEIZING IRON. HENRY T. CHANDLER, Marysville, Mich. Filed Nov. 14, 1921. Serial No. 514,844. 7 Claims. (Cl. 148—13.)



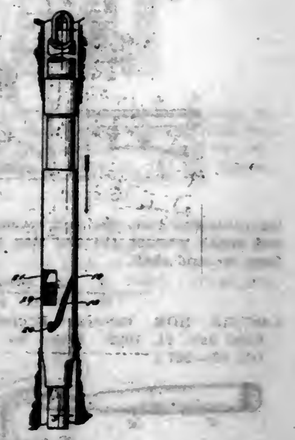
1. The method of malleableizing iron which consists in heating the work in one enclosure and in cooling the work in a separate enclosure.

1,487,720. AUTOMOBILE HEADLIGHT. SANDER I. CHRISTENSEN, Willows, Calif. Filed Aug. 14, 1922. Serial No. 581,573. 1 Claim. (Cl. 240—41.)



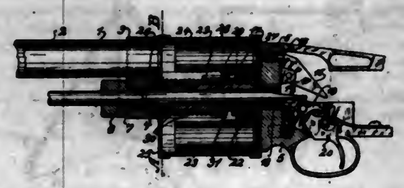
An automobile head light comprising a flat supporting plate, a convex reflector carried thereby, said reflector having its lower portion silvered and having silvering on a portion of its upper portion, the central portion of said reflector being treated to make it dimly reflecting, a lamp placed to illuminate said reflector, a transparent convex cover adapted to enclose said lamp and the reflector and a retaining ring for securing said cover to said support.

1,487,721. CEMENT BAILER. LEE CLAYTON, Maricopa, Calif. Filed Nov. 29, 1922. Serial No. 603,965. 5 Claims. (Cl. 294—72.)



1. A bailer of the class described comprising a bucket having side windows, a sleeve surrounding said bucket and provided with corresponding windows in its side normally displaced relative to the windows in the bucket, the sleeve also having a helical slot in its side and a downwardly opening notch in the upper wall of said slot at the lower end thereof, and a lateral stud on the side of the bucket playing in said slot whereby to effect rotation of the sleeve during axial movement thereof, said stud being adapted to seat in said notch upon upward movement of the bailer.

1,487,722. FIREARM. AUGUST CORNDERS, Dusseldorf, Germany. Filed Aug. 29, 1921. Serial No. 496,790. 5 Claims. (Cl. 42—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a recoil firearm of the character set forth, in combination with the gun stock including a lock mechanism, a rotatable cartridge holder, a reciprocable barrel adapted to be forced into the one end position for cartridge exploding purposes by mechanical means and into the other, inoperative, end position by the projectile friction and the powder gases therewithin, and means positively controlled by said reciprocable barrel and cooperating with said lock mechanism for retaining said barrel in the inoperative, normal, end position and

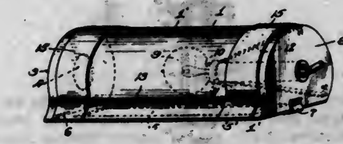
for cartridge exploding purposes at a predeterminable time just prior to said barrel having reached its momentary operative end position.

1,487,723. LAND LEVELER. JAMES H. CORBITT, Solomonville, Ariz. Filed Apr. 25, 1921. Serial No. 464,282. 6 Claims. (Cl. 37—122.)



1. A device of the character described including a pair of ground engaging parallel side runners, a shaft extending transversely of the runners, a blade secured to the shaft and adapted to have either of its longitudinal edges disposed in contact with the ground, said blade when in one of said positions forming with the runners a load carrying receptacle in front of the blade and means for retaining the blade in contacting relation to the ground when in either of said positions.

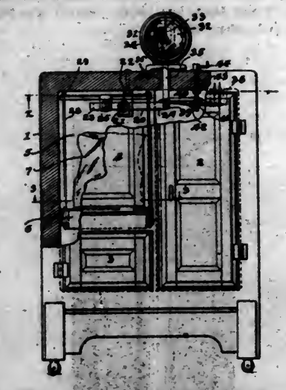
1,487,724. LIGHTING DEVICE FOR VEHICLES. NELLIE M. CORRIGAN, Kansas City, Mo. Filed Feb. 19, 1923. Serial No. 619,946. 1 Claim. (Cl. 240—7.)



The combination with a headlamp of a vehicle, of a supplementary lamp arranged above the headlamp and forwardly of the front edge of the latter whereby to direct light against the front end of the vehicle and downwardly and forwardly of the headlamp, the said supplementary lamp comprising a somewhat cylindrical-shaped casing, the inner surface of which is adapted to serve as a reflector, said casing having closed ends and being open on its underside, a glazed door closing the opening and being pivotally connected at one end to the casing, means for detachably securing the opposite end of the door to the casing, and means for supporting an electric light bulb within the casing.

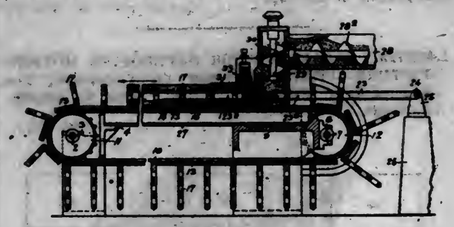
1,487,725. REFRIGERATOR. GEORGE E. DAVIDSON, Huntington, W. Va. Filed Apr. 16, 1923. Serial No. 632,491. 6 Claims. (Cl. 62—74.)

1. In a refrigerator, the combination of a casing having an ice compartment, an ice supporting tray vertically movable in said compartment, a spring controlled scale indicator upon the exterior of the refrigerator and secured thereto, a supporting head within the refrigerator, suspending means conecting the ice supporting tray with the supporting head, and a beam pivotally supported



within the refrigerator and having oppositely projecting arms, one of said arms being pivotally coupled to the head and the other to the spring controlled scale indicator.

1,487,726. MACHINE FOR MAKING CORED BLOCKS. GEORGE C. DEBAT, Springdale, Pa. Filed Dec. 2, 1920. Serial No. 427,829. 2 Claims. (Cl. 25—99.)



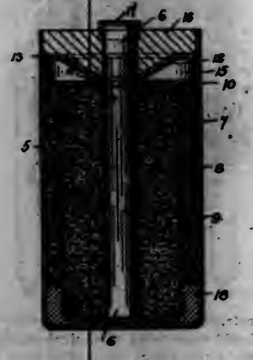
1. In a machine for forming cored blocks of plastic material, the combination of an endless-conveyer, open-top molds carried thereby having openings in their walls, a horisontally extending core-bar passing through said openings having an attenuated portion at the point of the delivery of material to said molds.

1,487,727. PROCESS OF PHOTO-ENGRAVING. MICHAEL J. DE GRAVE, Chicago, Ill. Filed Oct. 13, 1922. Serial No. 594,257. 3 Claims. (Cl. 41—43.)



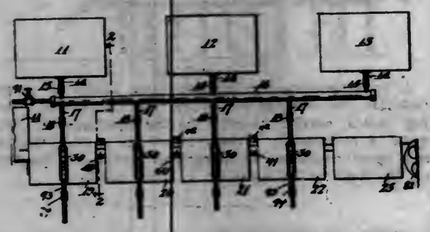
1. The method of preparing photo-engravings which consists in covering a metal plate with a sensitized coating and exposing the same to the action of light operating through a photographic negative and a screen; then removing by hand certain of the screen marks from said coating; and then etching said plate, substantially as described.

1,487,728. DRY CELL. HAROLD DE OLANETA, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 24, 1920. Serial No. 368,324. 9 Claims. (Cl. 204—29.)



1. In a dry cell having a cup and a pitch seal, an upwardly facing cup shaped washer supporting the seal and presenting a gas space beneath the washer at the peripheral portion of the cup.

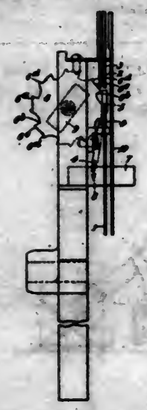
1,487,729. APPARATUS FOR DEVELOPING MOTION-PICTURE FILMS. VINCENT DE YBARRONDO, Los Angeles, Calif. Filed July 31, 1920. Serial No. 400,468. 5 Claims. (Cl. 95—90.)



1. An apparatus for developing photographic film comprising a box for containing a developing solution, a sprocket in each end of said box over which said film passes, means adapted to ride on the loops of film between said sprockets for holding said film below the surface of said solution, means for driving said sprockets at a constant speed, and means by which either spocket may be turned by hand at a faster or slower speed without interfering in any way with the other sprocket.

1,487,730. ESCAPEMENT-ACTUATING MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES. TOM DRAKE and JOSEPH GRACIE WINTER FIELD, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a British Company. Filed July 26, 1922. Serial No. 577,528. 10 Claims. (Cl. 199—24.)

1. In or for the escapement-actuating mechanism of a typographical composing machine wherein a single key-rod at successive actuations is caused to operate different escapement rods, a disc or wheel adapted to be partially rotated directly by the key-rod at each actuation of the



latter and at different angular positions to present respectively different guiding surfaces which cause the said key-rod to engage respectively different escapement rods.

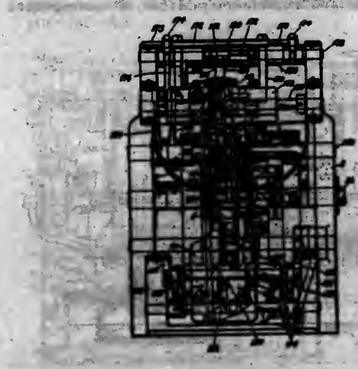
1,487,731. EYELET-SETTING MACHINE. ERNST F. H. ENNA and ANTON HAABR, Copenhagen, Denmark; said Haabr assignor to said Enna. Filed Sept. 11, 1922. Serial No. 587,297. 10 Claims. (Cl. 218—14.1.)



1. An eyelet-setting device, comprising a setting member adapted to cooperate with an anvil in partly spreading an eyelet barrel inserted in adjacent layers; a hammer adapted to cooperate with the anvil and with a concealing layer in clenching the eyelet on one of said adjacent layers; means for depressing said setting member and hammer successively, so that the partial spreading of the eyelet precedes the clenching thereof, and the clenching is effected wholly at one side of the concealing layer, and means for guiding the setting member and hammer in the performance of their functions.

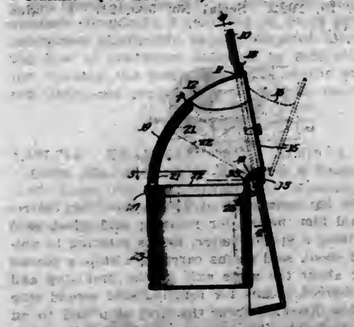
1,487,732. BUTTONING MACHINE. HERBERT E. ENGLIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 1, 1920. Serial No. 378,107. 75 Claims. (Cl. 12—69.3.)

1. In a buttoning machine, means for disposing the material adjacent to a buttonhole of a buttonhole fly in buttoned relation to a button on a button piece, a support for the button, and means for moving said means and the support together with the work engaging portions of



said means and the support in substantially constant relation to each other to feed the buttonhole fly and the button piece.

1,487,733. ASH RECEIVER. HARRY L. FARGO, Ripon, Wis. Filed Jan. 25, 1923. Serial No. 614,722. 10 Claims. (Cl. 220—18.)



1. An ash receiver comprising in combination a pair of members in telescopic arrangement with each other, a closure member secured to one of said members at its outer end, latch means for securing the said member in closed position, and means for forcing one of said members apart from the other member into open position.

1,487,734. VARIABLE TABLE. GEORGE E. FAY, Chelsea, Mass., assignor of one-half to Salvatore Gangi, Salvatore Larzzara, and Philip Searnici, all of East Boston, Mass. Filed Aug. 31, 1922. Serial No. 585,394. 2 Claims. (Cl. 45—122.)



1. A variable table comprising a box-shaped body, having its top portion formed as an open frame, and its walls arranged to form a storage space below the opening in said top portion, a plurality of slides identical with each other in size and shape, a transparent cover filling the said opening, a vertical series of spaced apart horizontal slots being formed in one of the side walls of the body and adapted to receive said slides, and guides within the storage space, arranged to horizontally support and direct slides inserted in the slots, the upper slot being wider than the others, so that its upper side is spaced above the slide inserted in the slot, the arrangement being such that the upper slide is spaced from the said cover by a thin crevice, adapted to receive a relatively thin supplemental slide superimposed on the upper slide.

1,487,735. DOOR CATCH TO HOLD THE DOOR OPEN. PETER FRANTZ, Sterling, Ill., assignor to Frantz Manufacturing Company, Sterling, Ill., a Corporation of Illinois. Filed Oct. 1, 1921. Serial No. 504,760. 3 Claims. (Cl. 292—278.)



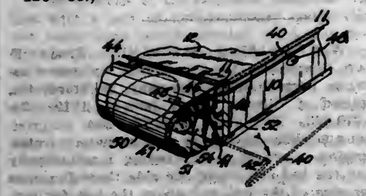
1. In a catch or door holder to hold the door open, the combination of a bracket plate adapted to be secured to the inner side of the door and provided with upper and lower portions having vertically alined openings therein, a horizontally disposed sheet metal arm having the sheet metal at one end thereof bent to form a cylindrical portion the upper and lower ends of which turn or rotate in said openings, means to connect said arm with the building and means carried by said arm to lock the door in open position.

1,487,736. CAMP-STOVE CASING. LOUIS B. GOLDBERG, NATHAN GOLDBERG, JACOB M. GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed Nov. 26, 1921, Serial No. 517,903. Renewed Feb. 9, 1924. 12 Claims. (Cl. 126—38.)



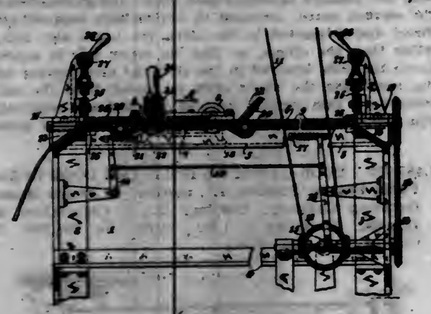
1. A casing and supports pivoted thereon, said supports including pivoting parts, a spaced casing-engaging bar for engaging the bottom of the casing when supporting the same and projecting legs at opposite ends of said bar adapted to be swung along the sides of the casing into retracted position.

1,487,737. PORTABLE LIQUID-FUEL CAMP STOVE. LOUIS B. GOLDBERG, JACOB M. GOLDBERG, NATHAN GOLDBERG, and WILLIAM GOLDBERG, Denver, Colo. Filed June 26, 1922. Serial No. 570,995. 20 Claims. (Cl. 126—38.)



1. A camp stove having a casing and burners therein, and a fuel tank adapted to be connected with said burners and adapted to be removably mounted upon an outside wall of the casing when not in use.

1,487,738. FIBER-CLEANING MACHINE. WINFIELD S. GROVE, Manila, Philippine Islands. Filed Dec. 1, 1920. Serial No. 427,530. 8 Claims. (Cl. 19—17.)



2. A machine of the class described comprising in combination a longitudinally extending member providing a track, two sets of decorticating tools at one end of the track and on opposite sides thereof, a carriage mounted so as to move along said track, said carriage having gripping jaws at opposite sides thereof in cooperative relationship with respect to said decorticating tools, and means for reciprocating said carriage and jaws toward and from the decorticating tools.

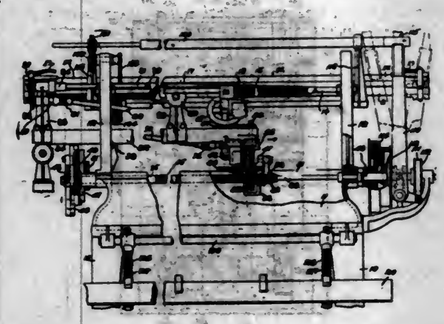
1,487,739. PAN OR PLATE LIFTER. VERNON J. HARRIS, Adrian, Mich. Filed Apr. 5, 1922. Serial No. 549,854. 4 Claims. (Cl. 294—30.)



1. In a device of the class described, a pair of cooperating, relatively movable, pivotally connected elements, one of which elements is formed of a single wire looped upon itself at one end to form a gripping jaw and bent at the other end to form a hand grip portion, said other element also formed of a single wire bent at one end to form a jaw corresponding to the jaw of said first element and pivoted to the handle portion of said first element for relative rotatability thereabout to move the jaw thereof toward or away from the jaw of said first element.

1,487,740. WARP-LEASING MACHINE. EDGAR F. HATHAWAY, Dorchester, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed Jan. 13, 1919. Serial No. 270,893. 22 Claims. (Cl. 28—40.)

1. A leasing machine having, in combination, a framework comprising a bed, a rod extending longitudinally of and above the bed and along one side thereof, means at the other side of the bed and above the bed for supporting a warp clamp, means at the first-mentioned side of the bed and below the bed to receive a warp clamp, the warp extending from the first-mentioned clamp to said rod and thence downwardly to the second-mentioned clamp, a carriage mounted on the bed to travel below the sheet of threads, a thread-spacer mounted on said carriage and slidable on said rod into engagement



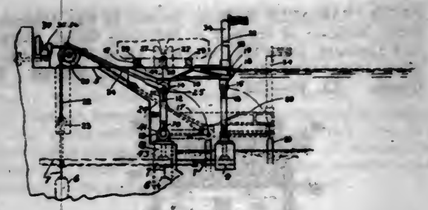
with the threads extending over said rod, and leasing means located on said carriage between said spacer and the first-mentioned clamp.

1,487,741. AUTOMATIC FILM-SHIFTING DEVICE FOR CAMERAS. IRVING HERSHEY, Denver, Colo. Filed June 19, 1922. Serial No. 569,421. 1 Claim. (Cl. 242—71.)



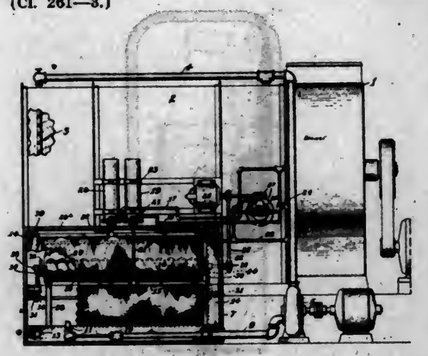
In a camera having a strip of film, a spool for the reception of said film, means for rotating said spool, said means comprising a spring motor, means rotating in unison with said spool, said means carrying a stop, a second stop rotating about the same axis as the first stop and in the path thereof, means for rotating said second stop in the opposite direction from the first stop and to an extent proportional to the amount of film on the spool, said means comprising a feeler resting on the surface of the film.

1,487,742. DRY DOCK. MYRON F. HILL, New York, N. Y. Filed Mar. 27, 1919. Serial No. 285,505. 7 Claims. (Cl. 61—65.)



1. The combination with a ship lifting platform, of a rigid girder disposed longitudinally under the keel of a ship carried thereby, a row of pivotal columns supporting substantially the entire weight of the ship on said girder, a plurality of tension members secured to the girder for raising and lowering the same, and means for mechanically interconnecting said tension members to simultaneously control the same.

1,487,743. HUMIDIFYING APPARATUS. WILLIAM B. HOOOE, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1918. Serial No. 252,221. 4 Claims. (Cl. 261—3.)



1. In a humidifying plant, the combination of a conduit providing a passageway for the air, a blower to cause the air to flow through said passageway, means in said conduit for delivering water to the flowing air, a pit below said means to collect the excess water, a strainer comprising a plurality of parts arranged to be interposed alternately in and removed alternately from the flow of the water collected by said pit, and means for cleaning the individual parts of the strainer seriatim while said parts are removed from the water.

1,487,744. TRAMWAY GRIP. LOUIS A. KNOPF, St. Louis, Mo., assignor to Broderick & Bascom Rope Co., St. Louis, Mo., a Corporation of Missouri. Filed Dec. 19, 1923. Serial No. 681,529. 25 Claims. (Cl. 104—210.)



4. A tramway grip comprising a body casting provided with a fixed jaw, a worm mounted in the body casting for endwise movements therein, means for imparting endwise movements in either direction to said worm, a device for preventing said means from becoming locked or jammed, a shaft supported in the worm, means for holding the shaft in selected adjustments in the worm, a jaw for cooperation with the first named jaw, and a device swivelling said second jaw in connection with said shaft.

1,487,745. CLEANING TOOL FOR ELECTRIC FIXTURES. ALFRED KRAFFT and EDWARD SCOTT, Brooklyn, N. Y. Filed Dec. 1, 1921. Serial No. 519,168. 6 Claims. (Cl. 15—21.)

1. In a cleaning tool for shades a combination of a plurality of brushes adapted to clean the outside of the shade and a plurality of brushes adapted to clean the inside of the shade, with means for operating said



brushes in unison to close in on the shade and means for rotating the brushes around the shade.

1,487,746. STUD DRIVER. FORD R. LAMB, Redford, Mich. Filed Dec. 16, 1922. Serial No. 607,335. 7 Claims. (Cl. 81—53.)



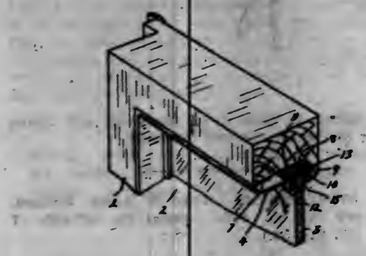
1. In a device of the character described, the combination with a pair of complementary clutch elements, of a nut comprising complementary parts jointly forming a threaded bore, means mounting said nut upon one of said clutch elements adapting the parts of the nut for movement to and from each other, and a member adapted to be rotatively driven mounting the nut-carrying clutch element for sliding movement along the axis of rotation and rigidly mounting the other clutch element, said member having a hollow portion snugly engaging the parts of said nut upon movement of the sliding clutch element toward the stationary clutch element, whereby said parts are forced into abutting relation preliminary to establishment of a drive to the nut through the clutch element.

1,487,747. MOTION-PICTURE SCREEN. WALDEMAR H. C. LASSEN, St. Paul, Minn. Filed Sept. 12, 1921. Serial No. 499,942. 2 Claims. (Cl. 88—24.)



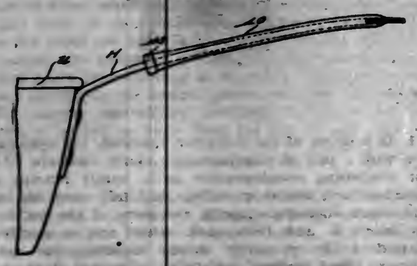
2. A motion picture screen comprising a fabric backing, an impregnation of highly elastic and pliable material applied to said backing comprising bees wax and white paint, a number of coloring coatings applied to said impregnation and a layer of glass particles applied to the outer of said coloring coatings.

1,487,748. WINDOW HEADER FINISH STRIP. HERMAN C. MAISE, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 27, 1922. Serial No. 609,204. 4 Claims. (Cl. 296—44.5.)



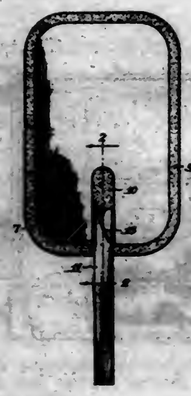
1. The combination with a yieldable strip for engagement with the upper edge of a sashless glass panel, of a metallic header finish strip having an intermediate raised main body portion terminating at one edge in a return-bent flange and in the opposite edge in a channel for receiving said yieldable strip, said channel having portions for embracing portions of said yieldable strip to anchor the same in place.

1,487,749. HOT-HANDLE GRIP. PHILIP F. MARTUS, South Boston, Mass. Filed Apr. 14, 1922. Serial No. 552,696. 3 Claims. (Cl. 16—116.)



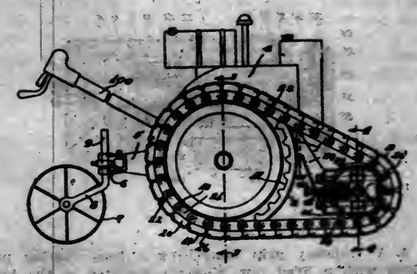
1. A hot handle grip comprising a flexible tubular sleeve of non-heat-conductive fibrous material adapted to be fitted over the handle of a household utensil, having one end thereof closed and a distortable metallic ferrule borne by the other end thereof adapted to be pressed down upon the utensil handle to frictionally embrace the same.

1,487,750. INSECT DESTROYER. JOSEPH N. MILLER, McHenry, Ill. Filed Dec. 20, 1922. Serial No. 607,959. 1 Claim. (Cl. 43—137.)



An insect beater comprising an element of open mesh woven wire, an adhesive rubber tape folded longitudinally mediate its ends to provide a channel in which the edges of the wire mesh are disposed and which is caused to adhere together through the interstices of said mesh, a handle having a kerf in one end into which said structure is inserted, and separate pieces of adhesive rubber tape disposed upon opposite faces of the mesh at the location of the handle and adhering to each other through the interstices of the mesh and forming a flexible continuation of said handle.

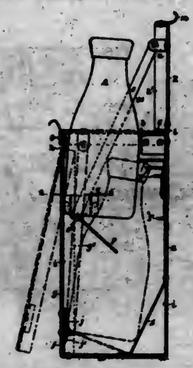
1,487,751. CRAWLER-TYPE TRACK-LAYING TREAD ATTACHMENT FOR AUTOMOTIVE VEHICLES. ROYAL R. MILLER, Chicago, Ill., assignor to Miller Traction Tread Company, a Corporation of Delaware. Filed Apr. 11, 1921. Serial No. 460,250. 4 Claims. (Cl. 305—3.)



1. The combination with a motor vehicle and the wheels thereof, of driving gears mounted concentrically on said wheels, horizontal flanges on either said side of said driving gears, tread supporting mechanisms secured to the vehicle frame, and crawler type treads comprising a plurality of overlapping tread elements adapted to ride on said flanges and to be driven by said gears.

1,487,752. MILK-BOTTLE RECEIVER. WILLIAM MOLENAAR, Paterson, N. J. Filed Mar. 1, 1923. Serial No. 622,007. 3 Claims. (Cl. 232—41.)

1. In combination, a shell having a top opening, a closure for said opening, and a supporting stirrup for the article to be received movable with the closure in the shell downwardly and upwardly as the closure is moved to closed and open position, respectively, the shell having laterally thereof a stop arranged to stand above the article when the stirrup is depressed and thereby lock



the closure against opening movement and the stirrup affording underneath support to the article only at a point thereof relatively opposite the stop, whereby the article will bear laterally against the stop in descending with thes stirrup.

1,487,753. WASHING MACHINE. JOHN P. MOOS, Evanston, Ill. Filed Dec. 1, 1922. Serial No. 604,179. 6 Claims. (Cl. 68—18.)



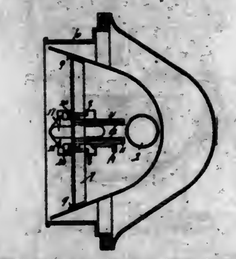
1. In a cylinder for washing machines, the combination of metallic end plates, lifter boards extending between and rigidly secured to said end plates, said end plates having outer and inner annular flanges near their periphery, spacing lugs within said flanges forming receiving pockets therewith, and slats engaging at their ends in said receiving pockets to form the circumferential wall of said cylinder, said receiving pockets serving as the sole means for locking said slats against the longitudinal and circumferential displacement.

1,487,754. WHEEL. THOMAS E. MURRAY, Brooklyn, N. Y. Filed July 11, 1921. Serial No. 483,656. 4 Claims. (Cl. 301—64.)



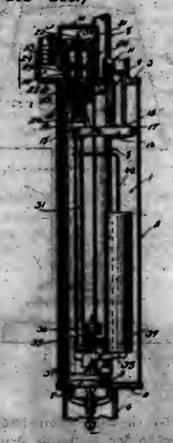
2. A wheel comprising members intermediate between the hub and the rim, said members being of hollow, substantially rectangular cross-section and comprising diverging legs integrally connected at their outer and inner ends and being made of two halves, each half being of sheet metal stamped up to form a web in a plane transverse to the axis of the wheel with flanges on its edges forming with the flanges of the other the desired hollow cross-section.

1,487,755. AUTOMATIC HEADLIGHT REFLECTOR. JOHN PETERSEN, Madison, Wis. Filed Mar. 24, 1923. Serial No. 627,502. 1 Claim. (Cl. 240—41.)



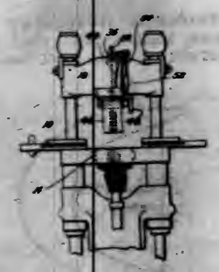
In automatically adjusting head-lights, a truncated reflector suspended from a hinge in the top of a casing, and controlled by a bar across the bottom of same, said bar loosely connected to the shaft of a hollow rim balance wheel which carries movable weights within the rim, said shaft through rollers and gears moving upon a track concentric with the hinge aforesaid.

1,487,756. PNEUMATIC PUMP AND MEASURING APPARATUS. OTTO R. PFAU, Milwaukee, Wis., assignor, by mesne assignments, to Marvel Fresh Water System Corporation, a Corporation of Wisconsin. Filed Mar. 15, 1920, Serial No. 365,828. Renewed Aug. 3, 1923. 2 Claims. (Cl. 103—246.)



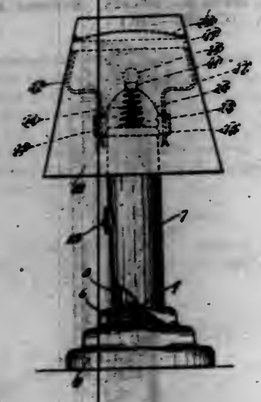
1. In a device of the character described, a fluid chamber, a compressed air inlet valve therefor, a fluid motor for actuating the inlet valve, a fluid passageway connecting said motor with the lower part of the fluid chamber below the low liquid level therein whereby a liquid seal is formed at the lower end, a check valve in said passageway opening to permit flow of liquid to the motor when the compressed air valve is open, said motor having means for closing said air valve after it has been actuated a predetermined distance by said flow of liquid and a bleed hole through said valve to permit a restricted return flow of liquid after the air valve has been closed.

1,487,757. NAILING MACHINE. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,248. 15 Claims. (Cl. 1—36.)



1. In a nailing machine, nail-engaging means separable from the machine, movable securing means to prevent such separation of the engaging means, lever mechanism for manipulation by the operator and connected to the securing means, and a guard for the engaging means movable by said lever mechanism.

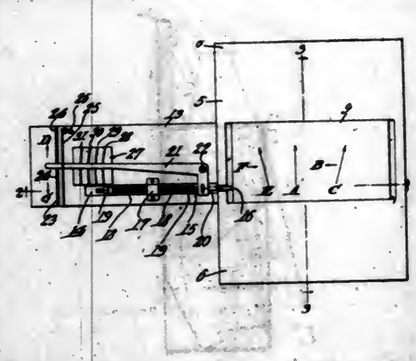
1,487,758. PORTABLE ELECTRIC LIGHT. EMIL RABIDEAU, Bay City, Mich. Filed Feb. 23, 1923. Serial No. 620,803. 4 Claims. (Cl. 240—8.5.)



1. A portable electric light comprising a base having a cylindrical battery holder mounted thereon, a cone shaped cap enclosure therefor provided with ears or wings formed integral therewith, supports secured in said ears or wings and a reflector secured to the upper ends of said supports and adapted to support a shade thereon.

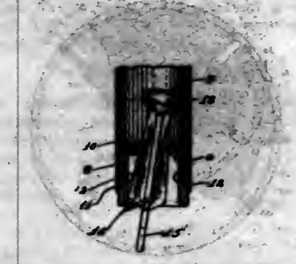
1,487,759. VEHICLE WHEEL GAUGE. RALPH L. SKINNER, Sacramento, Calif. Filed Sept. 18, 1919. Serial No. 324,423. 10 Claims. (Cl. 33—180.)

1. A vehicle wheel gauge comprising a movable element adapted to be placed in the path of travel of the vehicle wheel and laterally shiftable with reference to said path, an indicator, means for actuating said indicator upon the movement of said movable element to indicate the angular relation of the wheel to the path



of travel of the same when said movable element is traversed by the vehicle wheel, and means for locking said movable element and indicator in its newly assumed position.

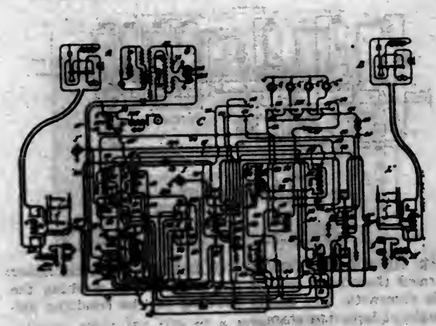
1,487,760. BAILER BOTTOM. JAMES W. SLOAN, Tulsa, Okla. Original application filed Feb. 27, 1920, Serial No. 361,886. Divided and this application filed Nov. 28, 1921. Serial No. 518,415. 3 Claims. (Cl. 166—19.)



1. A bailer bottom comprising a valve member embracing a valve head having a plurality of integral tapered ribs thereon disposed at right angles to one another to form a valve stem, a sleeve through which said valve stem projects, and a flange on said sleeve having a valve seat therein for receiving the valve head seated therein.

1,487,761. TELEPHONE SYSTEM. CHARLES SPARKS, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 29, 1918. Serial No. 242,584. 26 Claims. (Cl. 179—58.)

3. A telephone system including a pair of subscribers' telephone lines, a link circuit provided with an answering terminal and a calling terminal for connecting said lines, an operator's telephone for said link circuit but normally disconnecting therefrom, automatic means for connecting and disconnecting said operator's telephone and said link circuit, said means also serving to prevent more than one operator from answering the same call at the same time, an answering supervisory signal and a calling supervisory signal for said link circuit, subscriber-controlled means for causing a continuous operation of said calling supervisory signal, a source of interrupter current, a relay for connecting said source to said first



signal, a relay for connecting said source of current to said second signal, and circuits for said relays controllable by a third relay.

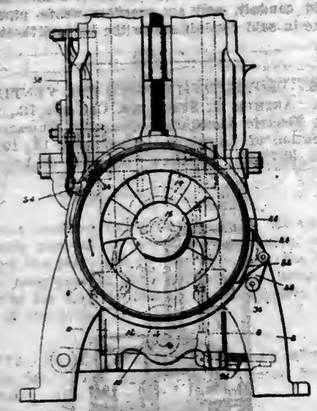
1,487,762. ROTARY DISK VALVE. MAX SPUHR, Werden-Ruhr, Germany. Filed Jan. 28, 1921. Serial No. 440,823. 5 Claims. (Cl. 251—84.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a rotary disk valve construction of the character set forth, in combination with a casing preventing a cavity, a valve disk rotatably operable in said casing, and said casing and said valve disk presenting registerable passageways, an opening clear through said valve disk presenting a housing, pressure responsive means disposed in said housing, and means within said pressure responsive means urging the latter outwardly toward the respectively opposing casing faces.

1,487,763. BRAKE MECHANISM. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed May 15, 1916, Serial No. 97,583. Divided and this application filed July 2, 1920. Serial No. 393,598. 15 Claims. (Cl. 188—135.)

1. In a machine of the class described, the combination with a shaft, of a brake drum on the shaft, a brake band on said drum, means for applying the brake comprising connections to opposite ends of said band for tightening the band on the drum, the drum being eccentric to the shaft, and means for operating the brake ap-

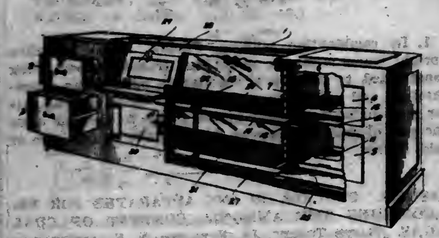


plying means at such time in the rotation of the shaft as to cause the drum to operate said connections to increase the braking action of the band.

1,487,764. METHOD OF BRIQUETTING PEAT OR HUMUS. ALBERT L. STILLMAN, Plainfield, N. J., assignor to The General Fuel Briquette Corp., New York, N. Y., a Corporation of New York. Filed Dec. 8, 1922. Serial No. 605,707. 4 Claims. (Cl. 44—27.)

1. The method of briquetting peat which consists in macerating a mass of peat, reducing the moisture content from a point ranging from 80 to 90% to a point ranging from 30 to 40% by drying in the sun without liberating the moisture contained in the peat cells, subjecting the dried mass to a wringing pressure to bruise and open the peat cells and thereby liberate the moisture contained therein to form a binder and coincidentally briquetting said mass to produce soggy briquettes, hardening said soggy briquettes preliminarily and drying and shrinking the briquettes to a final state by exposure to the sun.

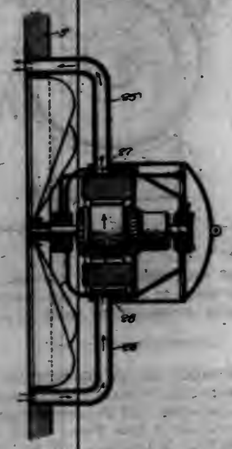
1,487,765. REFRIGERATOR. ERNEST L. STULTZ, Kansas City, Mo., assignor to Western Cabinet & Fixture Mfg. Co., Kansas City, Mo., a Corporation of Missouri. Filed June 5, 1922. Serial No. 566,040. 1 Claim. (Cl. 62—37.)



In a refrigerator, a casing comprising an ice chamber and a shelf for the support of articles to be cooled, an ice drawer slidably suspended in said chamber, having an apertured bottom, a false bottom in said drawer having edges spaced from the walls of the drawer to permit drainage from the false bottom to the apertured bottom, a catch pan in said chamber below the ice

drawer, a conduit leading from beneath the catch pan along said shelf, an overflow pipe having an intake in said pan above the bottom thereof and delivering into said conduit, and an overflow waste pipe having an intake in said conduit above the bottom thereof.

1,487,766. PROTECTIVE DEVICE FOR VENTILATING FANS. ARTHUR G. SUTCLIFFE, Chicago, Ill., assignor to Ilg Electric Ventilating Company, Chicago, Ill., a Corporation of Louisiana. Filed Nov. 13, 1919. Serial No. 337,732. 2 Claims. (Cl. 172—36.)



1. The combination with a wall, of an electric motor mounted on one side of said wall, a casing enclosing said motor, an outflow pipe for heated air extending upwardly from the top of said casing, and an inflow pipe for cool air extending downwardly from the bottom of said casing, the upper and lower ends of said outflow and inflow pipes communicating through said wall with the space on the other side of the latter.

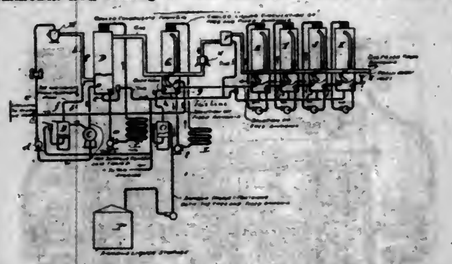
1,487,767. BUILDING VENTILATOR CONSTRUCTION. JOSEPH SYLVAN, Cicero, Ill. Filed Apr. 3, 1922. Serial No. 549,055. 5 Claims. (Cl. 98—31.)



1. In combination with a window frame including upright frame members, one of said frame members being constructed to provide a ventilation passageway therethrough, and a window sash mounted on a vertical axis for a swinging movement in the frame to open or close one end of said passageway with respect to one side of said frame.

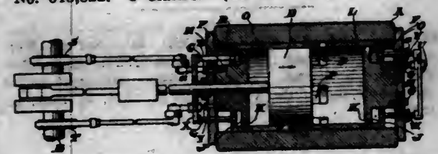
1,487,768. PROCESS OF AND APPARATUS FOR RECOVERING THE AMMONIA CONTENT OF COAL GAS. BATES TORREY, Jr., Syracuse, N. Y., assignor to Semet-Solvay Company, Solvay, N. Y., a Corporation of New York. Filed Nov. 10, 1922. Serial No. 600,032. 9 Claims. (Cl. 23—71.)

1. The process of recovering ammonia from coal gas which consists in forming a fixed ammonia liquor by withdrawing liquor from the gas collecting main and and continuously returning it to the main and spraying the gas in the main therewith, completing the removal of free ammonia from the gas by scrubbing the gas with fresh water and free ammonia liquor formed therefrom, drawing off a portion of the liquor containing the fixed ammonia and mixing it with the liquor formed by scrub-



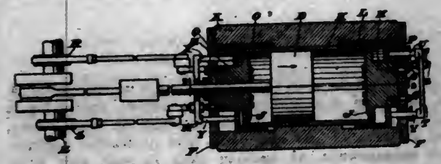
bing the gas with fresh water and free ammonia liquor formed therefrom, cooling the mixture and washing the gas therewith, and finally drawing off the resulting ammoniacal liquor to storage.

1,487,769. PISTON VALVE FOR COMPRESSORS. GROVER G. TUTTLE, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 7, 1923. Serial No. 643,822. 3 Claims. (Cl. 230—34.)



1. In a compressor, the combination with a cylinder and reciprocatory piston, of mechanically operated sleeve valves located wholly within the cylinder adapted to control the inlet to and discharge of pressure fluid from both ends of the cylinder, and in which the piston reciprocates.

1,487,770. PISTON VALVE FOR COMPRESSORS. GROVER G. TUTTLE, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 7, 1923. Serial No. 643,823. 3 Claims. (Cl. 230—34.)

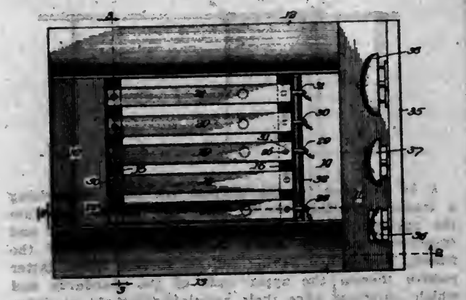


1. In a compressor, the combination with a cylinder and reciprocating piston of a plurality of mechanically operated sleeve valves located wholly within the cylinder adapted to control the inlet and discharge of the cylinder, and a renewable bushing having ports adapted to register at intervals with ports in the said valves, said bushing located within the cylinder and forming a bearing for the piston.

1,487,771. TIRE-INFLATION TESTING APPLIANCE. IRA A. WEAVER, Springfield, Ill., assignor to The Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 1, 1920. Serial No. 362,396. 11 Claims. (Cl. 177—311.)

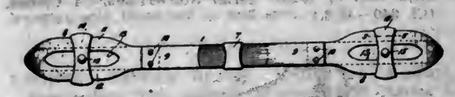
9. In a pneumatic tire-inflation testing appliance of the character described, the combination of an electric-circuit, a signal in said circuit, a pair of electric circuit

closers in said circuit, a pair of spaced depressible normally-elevated bars, a support between said bars, said bars being adapted to simultaneously close said circuit



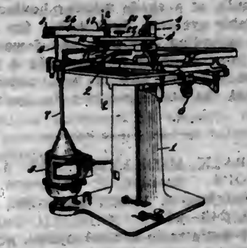
closers when the tire of a vehicle-wheel rolled over the bars and support is sufficiently deflated to cause it to depress both bars at the same time, substantially as described.

1,487,772. AUTOMOBILE BUMPER. FREDERICK A. WERNIG, Brooklyn, N. Y. Filed Jan. 23, 1922. Serial No. 531,062. 4 Claims. (Cl. 293—55.)



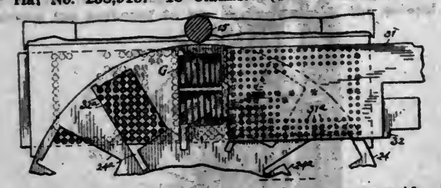
1. An automobile bumper comprising a rear supporting bar formed of spring material and having free ends; connecting arms engaging said supporting bar intermediate its ends for fastening the same to the automobile chassis; an impact member also formed of spring material having free ends and provided with horisontally-extending end portions of relatively large vertically-disposed impact area merging with a single-bar portion between such end portions of reduced impact area, and springs arranged between said supporting bar and said impact member to prevent rattling and take up shocks imposed on the impact member.

1,487,773. ROUTING MACHINE. FOLKE W. WESTON, Brooklyn, N. Y.; Helga M. Weston, executrix of said Folke W. Weston, deceased, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 4, 1920. Serial No. 428,285. 4 Claims. (Cl. 90—11.)



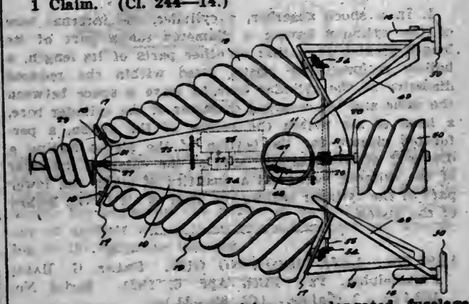
1. In a routing machine, the combination of a tool spindle, a driving means for said spindle, a driving connection comprising a pulley between said driving means and said spindle, and a brake for said pulley.

1,487,774. GRID-PASTING MACHINE. THEODORE A. WILLARD, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Oct. 19, 1918. Serial No. 258,915. 13 Claims. (Cl. 226—39.)



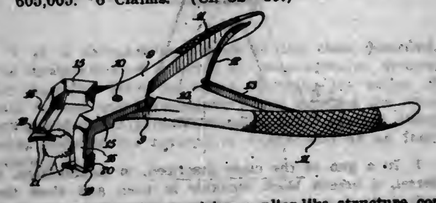
1. In a machine for pasting storage battery grids, a receptacle adapted to be filled with paste, means for receiving the grids and feeding them past the receptacle, and a reciprocating slide between the receptacle and the grids for forcibly feeding the paste into the interstices of the grids.

1,487,775. FLYING MACHINE. ADOLPH WITTMAN, St. Louis, Mo. Filed Oct. 27, 1922. Serial No. 597,252. 1 Claim. (Cl. 244—14.)



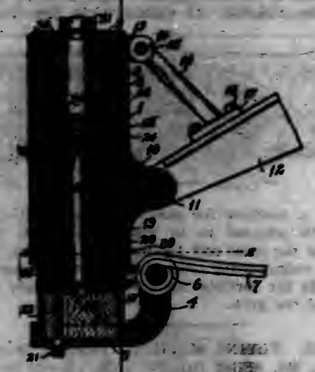
A flying machine comprising an elongated fuselage tapered from its rear to its front end, forwardly tapered screw propellers mounted upon diametrically opposite sides of the fuselage, a forwardly tapered screw propeller extending centrally from the front of the fuselage between the side propellers, a screw propeller extending rearwardly from the fuselage in alignment with the front propeller, means whereby the propellers may be operated and horisontally and vertically arranged land gear for supporting the fuselage in either horisontal or vertical position.

1,487,776. DENTAL TOOL. JACOB GOLDBERG, Philadelphia, Pa., assignor of one-half to Abraham Kolsky, Philadelphia, Pa. Filed Dec. 6, 1922. Serial No. 605,005. 6 Claims. (Cl. 32—10.)



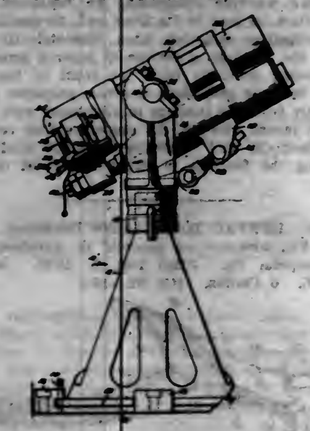
1. A dental tool comprising a plier-like structure composed of two members pivoted together, each of said pivoted members having an operating jaw provided with an integral portion extending angularly downward and forward from the point of pivotal connection, the ends of said jaws diverging with respect to each other, and crown adjusting members carried at the ends of said projecting portions of the operating jaws, said crown adjusting members each having a relatively narrow curved working surface.

1,487,777. SHOCK ABSORBER. ROLAND M. GREENE, San Francisco, Calif. Filed Nov. 23, 1922. Serial No. 602,670. 8 Claims. (Cl. 267—64.)



1. In a shock absorber, a cylinder, the internal bore of the cylinder having a diameter for a part of its length greater than that of other parts of its length, a hollow reciprocating piston fitted within the reduced diameter of the cylinder bore to leave a space between the same and the enlarged diameter of the cylinder bore, a head of air within the hollow of the piston, a perforated closure for the bottom of the piston having a diameter of substantially that of the enlarged diameter of the cylinder bore, and a quantity of oil in the lower part of the cylinder sealing the head of air in the hollow of the piston.

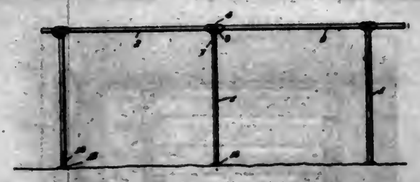
1,487,778. LINE-THROWING GUN. FRANK G. HALL, Philadelphia, Pa. Filed Apr. 6, 1921. Serial No. 459,110. 7 Claims. (Cl. 89—24.)



1. In a gun of the class described, in combination, a barrel, a breech block movable to open and close the end of the barrel and an extractor operatively connected to the breech block and adapted to eject a shell case when the block is moved to open position, said extractor being supported by the barrel and adapted to be removed without removing the breech block.

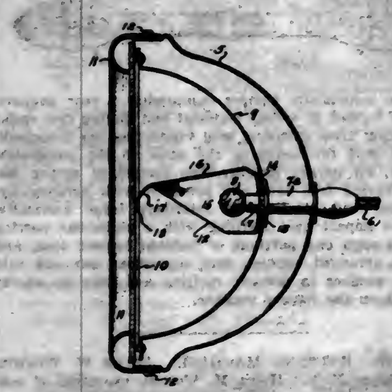
6. A gun having a barrel provided with rearwardly directed spaced extensions adapted to slidably retain between them a breech block, and means rigidly connecting the rear ends of said extensions, in rear of the breech block.

1,487,779. GRAPE ARBOR. HERMAN F. HARDT, near La Grange, N. C. Filed Apr. 3, 1923. Serial No. 549,044. 3 Claims. (Cl. 47—44.)



1. In a device for the purpose set forth, comprising a frame including tubular standards which constitute the uprights of a frame and tubular longitudinal and transverse members which constitute the top of the frame, T-couplings having central sockets which latter receive therein the upper ends of the standards and which couplings have their remaining sockets receiving therein the confronting ends of the longitudinal and transverse tubular members, removable means securing the tubular members in the sockets of the couplings, and spaced longitudinal and cross wires connected to the tubular top members of the frame.

1,487,780. SHADE. RALPH HATCHER, Detroit, Mich., assignor of one-half to Frank Koss, Detroit, Mich. Filed Jan. 8, 1923. Serial No. 611,306. 4 Claims. (Cl. 240—46.6.)

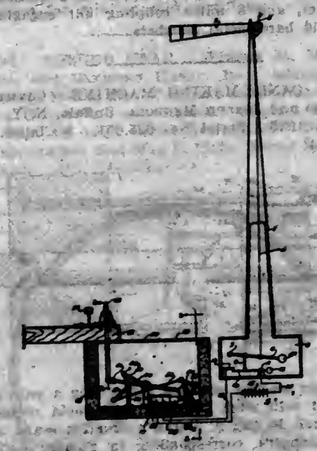


2. The combination with an electric head lamp comprising a concave casing fitted with a lens and provided with a concave reflector interior the casing and a light socket protruding thereinto from the rear and provided with a light bulb, of a shade member having a rear end portion receivable over the light socket for support and a top portion extending forwardly and downwardly from the rear end portion and terminating in a resilient tip which engages the lens and is held under distortion thereby to hold the shade securely in position against rattle.

1,487,781. TRACK MECHANISM FOR AUTOMATIC TRAIN STOPS. SAMUEL P. JOHNSON, Longacre, W. Va. Filed May 9, 1922. Serial No. 559,615. 7 Claims. (Cl. 246—20.)

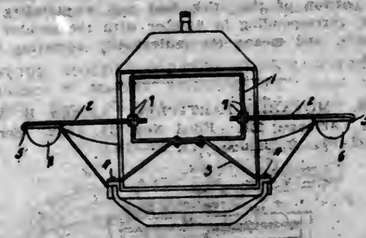
7. In an automatic train control system, a track mechanism comprising an elongated housing adapted to be mounted on the cross ties and having therein a vertical slot parallel with the track, said housing having the top surface convex, an elongated ramp rail curvilinear in side elevation and shaped to conform substantially

to the convex surface of the housing and mounted throughout its length in said housing slot, means to limit the upward movement of the ramp rail to hold the latter



in the slot with its ends substantially below the top level of the housing, and mechanism for raising and lowering said ramp rail in said slot.

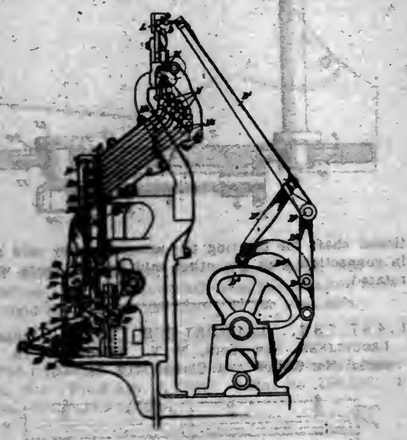
1,487,782. FENDER BRACE. GEORGE M. KENDALL, Weatherford, Tex., assignor of one-half to Charles A. Fleming, Weatherford, Tex. Filed Sept. 7, 1922. Serial No. 586,713. 1 Claim. (Cl. 280—152.)



A fender brace comprising an open rectangular frame adapted to receive and support a license plate, the vertical sides of said frame having aligned openings, connecting members having hooks at their outer ends, said hooks adapted to engage over the outer edges of a pair of fenders, the inner ends of said connecting members being screw threaded and adapted to pass through the openings in the vertical sides of the frame, a pair of nuts upon the inner ends of each connecting member and adapted to adjustably connect the same to the frame, a stay of truss form attached intermediate its ends to the lower member of the frame, and said stay having its end portions outturned in opposite directions and perforated, whereby the same may be bolted to the chassis of the vehicle.

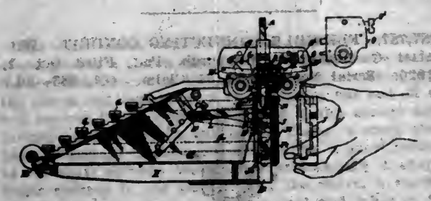
1,487,783. TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed July 27, 1921. Serial No. 487,824. 41 Claims. (Cl. 199—20.)

2. In a typographical composing and distributing machine equipped with a font of matrices divided into a plurality of sets, the combination of a corresponding plurality of channeled magazines wherein the respective matrix sets are stored, a distributing apparatus cooperating with all of the magazines simultaneously, a keyboard having only as many finger keys as there are channels in an individual magazine, means for operatively connecting the keyboard to any selected one of the several



magazines, an indicator mechanism associated with the keyboard and comprising a plurality of sets of index characters, one set for each magazine, and automatic means for adjusting the indicator mechanism to bring one or another set of index characters into use according to the magazine selected.

1,487,784. KEYBOARD MECHANISM FOR TYPOGRAPHICAL MACHINES. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Feb. 26, 1923. Serial No. 621,228. 12 Claims. (Cl. 199—18.)

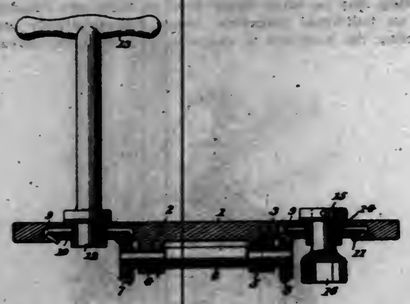


1. In a keyboard mechanism of the class described, the combination of a series of power-operated devices, key-controlled actuating slides governing the action of said devices, and a supporting frame carrying the actuating slides, the said frame with the contained slides being mounted for removal or replacement as an independent unit.

1,487,785. BEARING WRENCH. BUFORD L. KNOWLES, Chattahoochee, Fla. Filed Aug. 19, 1921. Serial No. 493,552. 2 Claims. (Cl. 81—57.)

1. A wrench of the class described comprising a body having a pair of spaced lugs formed on the under face thereof and provided with recesses adjoining said lugs, bearings formed on said lugs, a shaft rotatably supported in said bearings, beveled gears secured to the ends of said shaft and additional beveled gears rotatably supported in said recesses, a shaft engaged with one of

the last mentioned beveled gears and provided with a socket, a shaft in connection with the other said last mentioned beveled gears and a handle on the last mentioned shaft for rotating the same, whereby said socket in connection with the other said beveled gears will be rotated.



1,487,786. LAUNDRY-TUB COVER. PIERRE J. LEGUELINEL, New York, N. Y. Filed Apr. 19, 1923. Serial No. 633,046. 1 Claim. (Cl. 217—57.)



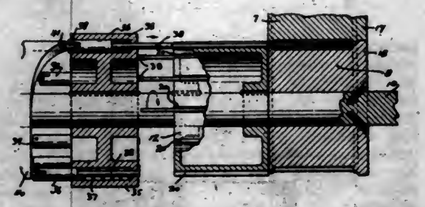
A laundry tub cover composed of sections, hinges to connect said sections, alternate sections having the hinges fastened at the top edges of the sides and the other sections having the hinges fastened at the bottom edges of the sides and means for attaching one of said sections to a laundry tub.

1,487,787. FLEXIBLE CONNECTING CONDUIT. WILLIAM C. LOEFFLER, Pittsburgh, Pa. Filed Oct. 1, 1920. Serial No. 413,964. 1 Claim. (Cl. 285—86.)



A flexible connecting conduit, comprising a hard metal sleeve having a cylindrical bore of uniform diameter from end to end, a soft metal flexible pipe having an end extending through and terminating with a convexly curved interior seat at an end of said sleeve, a hard metal tube provided at one end with an exterior curved face opposed to and bearing against said convexly curved seat and meeting therewith in a substantially line contact, and a union coupling nut engaging and uniting said hard metal members.

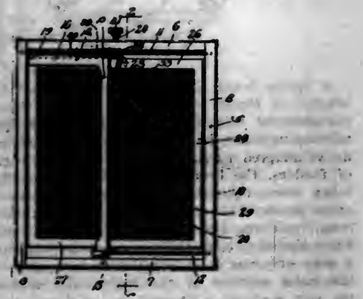
1,487,788. CANDY-MAKING MACHINE. CARMELO C. LOMBARDO and JOSEPH MENDOLA, Buffalo, N. Y. Filed Mar. 16, 1923. Serial No. 625,651. 8 Claims. (Cl. 107—81.)



1. A candy making machine comprising a pair of coacting mold rolls each provided with mold recesses, a stick seat roll having a plurality of stick seats, a plurality of plungers, corresponding in number with the number of stick seats, arranged adjacent the stick seat roll, and cam means for individually operating the plungers.

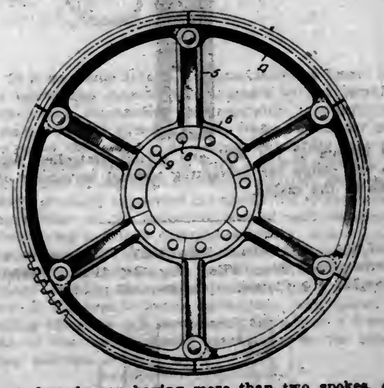
8. A candy making machine comprising a pair of coacting mold rolls each provided with mold recesses, a stick seat roll having a plurality of stick seats, a stick feed roll having a plurality of grooves registrable with the grooves of the stick seat roll, a hopper arranged above the stick feed roll, hopper rollers arranged in the bottom opening of the hopper and engageable with the stick feed roll, a circular shield arranged around the bottom portion of the stick feed roll, a plurality of plungers, corresponding in number with the number of stick seats, and means for individually operating the plungers.

1,487,789. MOVABLE PARTITION. ANDREW B. McBRIDE, Carthage, Mo. Filed Nov. 21, 1922. Serial No. 602,481. 2 Claims. (Cl. 20—16.)



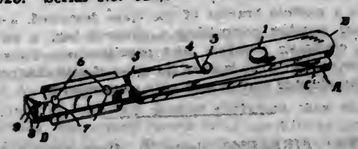
1. In a device of the kind described, a frame comprising top and bottom and side bars, the top bar having a slot therein, transversely disposed rods at the top and bottom of said frame, an inverted L-shaped bracket slidably mounted on said rods, the lower end of said bracket being formed with an offset portion having a stud mounted thereon, the upper end of the bracket formed with an apertured ear, the aperture of which is in alinement with said stud, a partition comprising top and bottom and side bars, the bottom bar of said partition having a bearing to loosely receive said stud and the top bar of said partition formed with an enlargement having an opening therein, a shaft extending through the slot in the top bar of the frame and through said apertured ear and engaging in the opening of said enlargement for rotating said partition.

1,487,790. FORGED GEAR. WARREN M. MANSFIELD, Moline, and RAYMOND HENRY, Rock Island, Ill., assignors to Moline Plow Company Incorporated, Moline, Ill., a Corporation of Virginia. Original application filed Mar. 16, 1921, Serial No. 452,749. Divided and this application filed May 3, 1923. Serial No. 636,360. 5 Claims. (Cl. 74—28.)



1. A forged gear having more than two spokes, comprising a plurality of forged gear sections each comprising a spoke portion having a hub portion on one end and a rim portion on the other end, the hub and rim portions of one section partially overlapping those of the other, and means fastening the sections together.

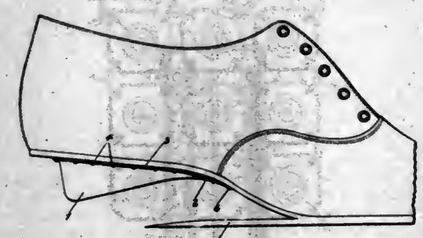
1,487,791. HOLDER FOR STROPPING RAZOR BLADES. ROBERT W. MANSON, Pittsburgh, Pa. Filed Jan. 23, 1923. Serial No. 614,374. 4 Claims. (Cl. 30—25.)



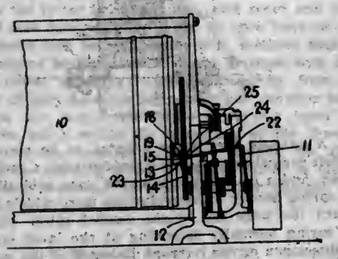
1. A stropping holder for razor blades comprising a pair of lever members movably connected toegther intermediate of their ends so as to oscillate in relation to each other, one pair of ends being compressed together, while the opposite ends are spread apart and vice versa, one pair of ends acting to grip the razor blade between them, while the major portion of the remainder is used as a handle for the holder, the longitudinal axis of the blade being longitudinal of the axis of the holder, and resilient means for normally maintaining the blade gripping ends compressed together and the handle ends spread apart whereby the razor blade is clamped in the holder for stropping and by compressing together the handle ends said blade gripping ends may be temporarily spread apart for the insertion or removal of a razor blade.

1,487,792. SHANK SUPPORT. FREDERICK P. MARX, St. Louis, Mo. Filed Aug. 24, 1921, Serial No. 495,098. Renewed Feb. 4, 1924. 7 Claims. (Cl. 36—76.)

1. The combination with a shoe heel having a recess therein, of a shank support comprising a concave portion seated in the recess of the heel, and a forwardly extending narrow portion comprising upwardly and outwardly flaring walls in continuation of the walls of the concave portion converging toward their forward ends, said narrow portion extending forwardly from the heel and forming a rigid support for the shank of the shoe sole.



1,487,793. CHURN TIMER. FRANK J. MATHEWS, Deer Park, Wis. Filed Apr. 8, 1919. Serial No. 288,483. 1 Claim. (Cl. 192—139.)

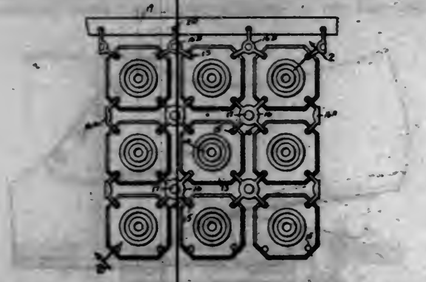


The combination with a rotatably supported cylindrical churn having a clutch controlled operating means including a clutch lever, of a timing mechanism associated with the clutch and comprising a frame having one end off set and secured to the churn supporting means, spaced arms formed on the opposite end of the frame, a short shaft having bearings in the ends of the arms, a spool secured to the shaft between the arms, a substantially L-shaped finger secured to one side wall of the churn, a toothed wheel carried by one end of the spool and lying in the path of the L-shaped finger to be rotated thereby, such rotation being imparted to the spool, a ratchet wheel secured to the opposite end of the spool, a spring detent secured to the frame and having its free end arranged in the path of the ratchet wheel, an arm pivotally secured to the frame opposite the spring detent, a spring clamp secured to the free end of the arm and a flexible element passing through the spring clamp and being secured to the spool and clutch lever respectively as and for the purpose specified.

1,487,794. METAL SCREEN. ERNST MELAUN, Indianapolis, Ind. Filed Feb. 17, 1923. Serial No. 619,608. 8 Claims. (Cl. 156—10.)

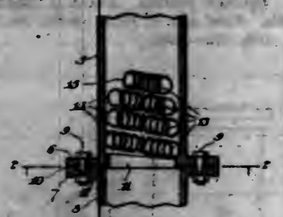
2. A metal curtain or screen comprising a plurality of independently mounted metal plates, said plates being substantially rectangular and provided with apertures adjacent the corners thereof, and ornamental metal connect-

ing disks provided with four outwardly extending arms positioned between the adjacent four plates so that the



arms thereof extend through said apertures and bent so as to hook therein, substantially as and for the purpose described.

1,487,795. GAS-MIXING DEVICE. MARTIN T. MINOGUE, Philadelphia, Pa., assignor to Automotive Appliance Company, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 12, 1923. Serial No. 631,525. 6 Claims. (Cl. 48—180.)



4. A gaseous fuel mixer adapted to be mounted in a conduit comprising a device provided with a conical spiral ribbon, and a coil spring mounted upon said ribbon, said coil spring having its convolutions more widely separated toward the large end of the conical spiral ribbon, said coil spring normally extending at the large end beyond the dimension of the internal diameter of the conduit but adapted to be compressed therein.

1,487,796. MILK PASTEURIZER. CORNELIUS MORTENSEN, Louisville, Ky. Filed Mar. 26, 1923. Serial No. 627,894. 1 Claim. (Cl. 257—85.)



A liquid treating apparatus including a fluid containing vat, tiers of communicating horizontally disposed pipes arranged within the vat, the tiers of pipes being arranged at angles with respect to the side walls of the vat, means for directing liquid to be treated to the tank, means for agitating the fluid within the vat, and forcing the liquid between the tiers of pipes, and means for directing a cooling medium through the pipes.

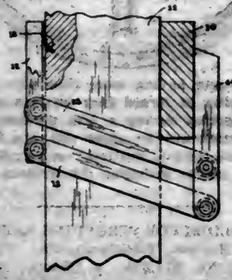
1,487,797. MEANS FOR CEMENTING WELLS. TROY RAYMOND NICHOLS, Tonkawa, Mo. Filed May 24, 1921. Serial No. 472,302. 1 Claim. (Cl. 166—1.)

Means for cementing a well comprising a pair of plugs adapted to be placed in a casing in the well with the cement mixture between them, means for applying pressure to the top piston to force the piston and mixture to



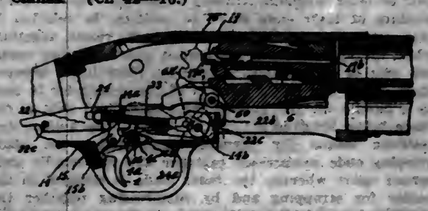
the bottom of the well and spring controlled dogs on the top piston for preventing upward movement of the same in the casing.

1,487,798. SCAFFOLD BRACKET. WALTER NOWICKI, Milwaukee, Wis. Filed Aug. 28, 1922. Serial No. 584,725. 4 Claims. (Cl. 304—33.)



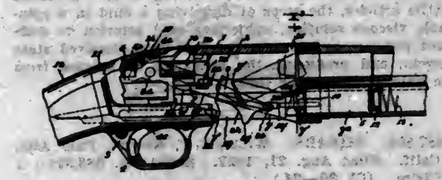
1. In a scaffold bracket of the class described, a main clamping member comprising a channel bar, a pair of second clamping members, and parallelogram links pivotally secured at their ends to the sides of said channel bar clamping member and to said pair of members.

1,487,799. FIREARM. JOHN D. PEDERSEN, Jackson, Wyo. Filed Sept. 15, 1919. Serial No. 323,765. 17 Claims. (Cl. 42—16.)



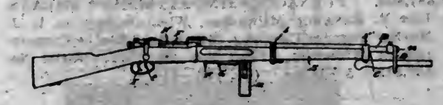
1. In a firearm, in combination, a frame; a block reciprocatable in said frame rearwardly from and forwardly to a firing position; a hammer movable to firing position and to fired position; a movable bar for locking the block in firing position; and means appurtenant to the hammer engaging the movable bar for retaining it in position for locking the block in firing position when the hammer is in firing position and for moving, when the hammer is moved to fired position, said bar to unlock the block and permit rearward movement thereof.

1,487,800. FIREARM. JOHN D. PEDERSEN, Jackson, Wyo. Original application filed June 6, 1916, Serial No. 101,931. Divided and this application filed Sept. 18, 1919. Serial No. 324,401. 15 Claims. (Cl. 42—17.)



1. In a magazine firearm, in combination, a frame having a mechanism chamber and provided with a barrel; a breech-closing mechanism reciprocatable forwardly and rearwardly in said chamber of the frame; a tubular magazine below the barrel and opening rearwardly into said frame chamber and provided with a spring-actuated follower; a pair of cartridge-delivery-controlling escapement members pivotally supported for oscillating movements on opposite sides of the magazine, one of said escapement members being normally cartridge actuable; means appurtenant to the breech-closing mechanism and in position and arranged for permitting the cartridge-actuation of said cartridge-actuable escapement member on a rearward stroke of the breech-closing mechanism, and means for actuating the other said escapement member on a forward stroke of the breech-closing mechanism to its breech-closing position.

1,487,801. FIREARM. JOHN D. PEDERSEN, Jackson, Wyo. Filed July 14, 1920. Serial No. 396,215. 23 Claims. (Cl. 42—77.)



1. In a firearm, in combination, a main barrel for firing long-range and relatively heavy projectiles having a normal trajectory of small curvature, and a second barrel for firing short-range projectiles having a normal trajectory of relatively greater curvature than the first projectiles; the second barrel being operatively arranged and supported in the firearm adjacently to and beneath the main barrel, the bore of the second barrel being in permanent converging forward and upward relation to the bore of the main barrel, whereby the trajectory of the projectiles from the second barrel intersects upwardly the trajectory of the projectiles from the main barrel at a point remote from the mussles of said barrels.

5. In a firearm, in combination, a main barrel, a second barrel arranged in the firearm adjacently to the main barrel, firing mechanism and trigger mechanism for the main barrel, and firing mechanism and trigger mechanism for the second barrel, the barrels being dischargeable separately or concurrently, and the second barrel being dischargeable automatically at will for rapid fire thereof.

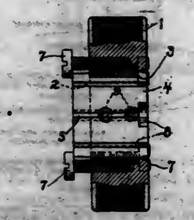
9. In a firearm, in combination, a main barrel, a second barrel operatively arranged and supported in the firearm adjacent to and beneath the main barrel, and conductive means having an extended portion broadened at its edges interposed between said barrels extending longitudinally of the barrels for substantially the full length of the second barrel and contacting with both barrels for utilizing the main barrel for disposing of heat generated in the second barrel.

1,487,802. VERTICAL FILING CABINET. EMMETT B. PERKINS, Minneapolis, Minn. Filed Jan. 16, 1922. Serial No. 529,458. 1 Claim. (Cl. 45—2.)



In combination with a vertical filing cabinet, a door horizontally hinged to the front lower portion thereof, stops for limiting the outward movement of said door, a cover hinged to the top and rear portion of the cabinet, horizontal strips secured to the inner surfaces of the side members of the cabinet near the upper end thereof, a cross-bar supported by said strips, a drawing board, cleats secured to sad drawing board in such manner that when the latter is placed upon said cover and upon the top of said door with the latter in open position, the drawing board will be securely held in inclined position by the wedging action of said cleats between said door and said cover, supports extending inwardly from the lower end of said door for supporting the drawing board for storing the same, said supports having inner upturned ends which retain the lower end of the drawing board, and vertical separators in the cabinet, the upper portion of the drawing board when the latter is stored, engaging said cross-bar to hold the latter against said separators.

1,487,803. ADJUSTABLE RING GAUGE. GUSTAVE E. PETERSON, West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed July 28, 1921. Serial No. 488,184. 3 Claims. (Cl. 33—179.)



1. An adjustable ring gauge comprising in combination, a collar having a hole therethrough provided with a conical peripheral wall, a gaging member mounted within the said hole in said collar and in engagement with the said wall, and a plurality of screw threaded elements engaging the collar and member and adapted to act in opposite directions on the member whereby to adjust the member in the collar relative to the conical peripheral wall to vary the gaging dimensions of the member, the said elements also being operative to secure the member in its adjusted positions in the collar.

1,487,804. SUPPORT FOR BUFFING STEMS. EDWARD Posson, Chicago, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Sept. 22, 1922. Serial No. 589,878. 3 Claims. (Cl. 213—222.)



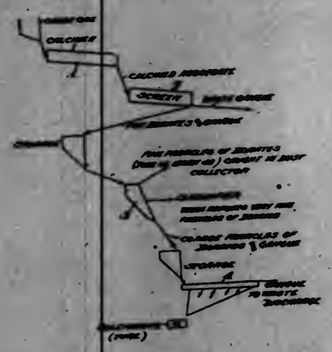
1. In a railway car, an end sill having a buffer stem recess and a passage below said recess open thereto and to the exterior of the end sill, and a roller journaled in said sill transversely of and below said recess with its upper surface extending above the lower face of said recess said roller being removable downwardly through said passage.

1,487,805. DEVICE FOR MAKING VECTOR CALCULATIONS. ALBERT F. PUCHSTEIN, Columbus, Ohio. Filed May 12, 1921. Serial No. 469,043. 13 Claims. (Cl. 235—70.)



1. A calculating device comprising in combination a stock and an adjustable slide, a logarithmic scale on one edge of said stock, an inverted sine and cosine scale on the opposite edge of said stock, a logarithmic and degree scale on one side of said adjustable slide and a sine and cosine scale on the opposite side of said slide in opposed relation to said first named sine and cosine scale.

1,487,806. PROCESS FOR SEPARATING COLEMANITE FROM ITS GANGUE. CLARENCE M. RASOR, Los Angeles, Calif., assignor to Pacific Coast Borax Company, a Corporation of Nevada. Filed June 13, 1921. Serial No. 477,259. 5 Claims. (Cl. 83—54.)

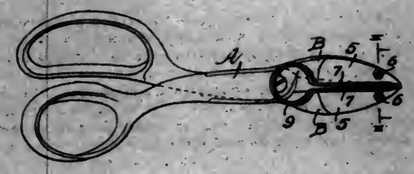


1. A process of separating colemanite from its gangue which comprises: first, calcining a mixture of colemanite and its gangue, thus decrepitating and disintegrating the colemanite to form fine particles; second, screening the mixture, to separate the coarse particles of gangue from the fine particles of dehydrated colemanite and gangue; and, third, separating the fine particles of dehydrated colemanite from the gangue, by means of aid flotation.

1,487,807. HOLLOW ARTIFICIAL TEXTILE MANUFACTURING PROCESS. JULES ROUSSET, Nogent-sur-Marne, France, assignor to Société Alsa, Société Anonyme, Basel, Switzerland. Filed Nov. 15, 1921. Serial No. 515,411. 2 Claims. (Cl. 18—54.)

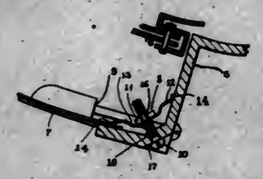
1. In the process of manufacturing hollow, artificial textile articles, the steps of dissolving a fluid in a spinnable viscous solution, subjecting said solution to sufficient pressure to maintain the fluid in a dissolved state therein, and producing the formation of bubbles from the fluid at the proper time.

1,487,808. SHEARS. WILLIAM T. ROWEN, Palo Alto, Calif. Filed Aug. 21, 1922. Serial No. 583,321. 1 Claim. (Cl. 30—24.)



In combination, a pair of shears and clamping jaws therefor, the jaws being made from a single piece of sheet metal having flanges corresponding substantially to the width and shape of the faces of the cutters of the shears for attaching the jaws to the cutters of the shears with the confronting parallel faces of the jaws disposed in a transverse plane relatively of the cutters, the material of the jaws being looped to provide a spring band at the rear ends of the jaws, and said spring band adapted to exert an opening effect on the cutters.

1,487,809. FURNACE-CASING-ATTACHING MEANS. DON V. RUNNION, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,919. 5 Claims. (Cl. 126—114.)

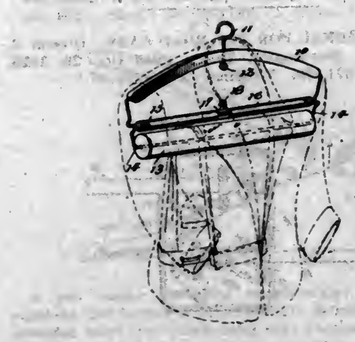


1. The combination with a furnace having a front member of angular form in cross section, of a means for connecting a sheet metal casing edge portion thereto, comprising a plate positioned diagonally with relation to the angle of the front member and having one of its side edge portions bearing against the casing edge portion and its opposite edge portion bearing against one of the walls of the front member, said plate having a medial opening and means adjacent the opening for holding a nut in register with the opening, a nut held by the holding means, and a bolt extending through the angular portion of the front member and through the plate opening and threaded through the nut to clamp the casing edge portion between the edge portion of the plate and the front member.

1,487,810. GARMENT HANGER. EINO SAUKKONEN, Rosslyn Heights, N. Y. Filed Oct. 11, 1920. Serial No. 416,042. 5 Claims. (Cl. 211—18.)

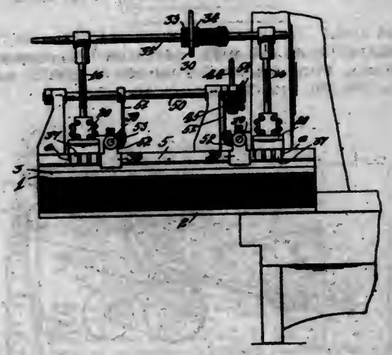
1. A garment support including a coat hanger portion a member supported thereon upon which to rest another garment, and a retaining element in the form of a straight

rod of resilient material anchored at its ends to the ends of the coat hanger portion and extending in close



contiguous relation to said member, whereby the retaining element may be flexed and stretched away from the member to insert the garment therebetween.

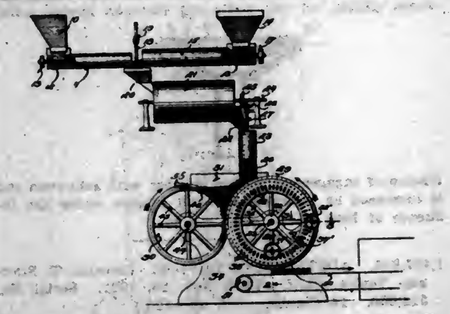
1,487,811. FEEDING SHEETS. EDWARD S. SAVAGE, Rochester, N. Y. Filed Oct. 26, 1921. Serial No. 510,527. 16 Claims. (Cl. 271—18.)



1. A picking means for separating, one at a time, metallic sheets lying in abutment embodying a magnet having its poles formed with engaging faces elongated in one direction and of such a width in the direction at right angles to the first named direction and so spaced apart as to produce lifting lines of force whose strength beyond the engaging faces are not sufficient to affect a second sheet.

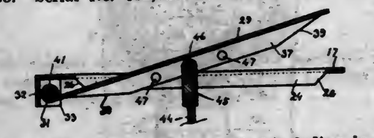
1,487,812. CEMENT BRICKMAKING MACHINE. HERMAN SCHAMISA, Sheboygan, Wis. Filed Dec. 12, 1922. Serial No. 606,421. 2 Claims. (Cl. 25—79.)

1. A mould wheel comprising a cylinder, a pair of flanges outwardly directed therefrom, said flanges having radial slots therein, a series of moulds having radial bores therein, a plunger in each of said moulds, a plunger rod on each of said plungers, an ejector bar secured to said plunger rods, one end of said ejector bar extending through a slot in one of said flanges, the other end of said ejector bar extending through the slot in the other of said flanges, means cooperating with the ends of said ejector bar on the rotation of said wheel for moving said bar outwardly, and means cooperating with said



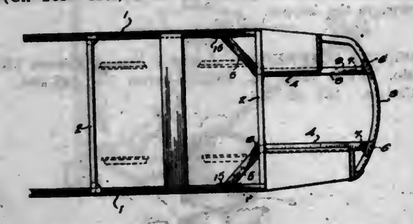
ends of said ejector bar for moving said bar inwardly on the rotation of said mould wheel.

1,487,813. OPERATING LEVER FOR ACCELERATORS. ALFRED J. SCHWARTZ, Detroit, Mich. Filed Mar. 1, 1923. Serial No. 622,046. 3 Claims. (Cl. 74—81.)



1. A device of the character described including, in combination with a slotted plate fitted in an apertured member of a motor vehicle, a depressible lever diagonally mounted in the slots of said plate lengthwise thereof, flanges on said lever guiding the same conjointly with the opposite sides of said slot, a self-rising link adapted to open the throttle valve of the vehicle's engine, and means flexibly connecting said link to said lever.

1,487,814. PLATFORM SUPPORT FOR RAILWAY CARS. LUTHER F. SEELAR, St. Louis, Mo., assignor to St. Louis Car Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 11, 1923. Serial No. 656,771. 5 Claims. (Cl. 105—425.)



3. A cast knee for car platforms comprising a body portion having its outer end rounded to permit it to be secured to the bumper sill of the car, said body portion being extended at an angle at a point adjacent the center thereof, and integral reenforcing means formed on said body portion adjacent said angle.

1,487,815. POPPET VALVE. JOHAN C. SIMONSEN, Detroit, Mich. Filed June 17, 1922. Serial No. 568,932. 3 Claims. (Cl. 123—188.)

1. A poppet valve comprising a stem having an enlarged end portion, a head providing a seat for the enlarged end portion of said stem, and a concavo convex resilient member engaging the enlarged end of said stem and yieldingly holding the same seated upon its seat on the head, said member being engaged adjacent its edge portion by said

head and held under tension thereby with its convex side in contact with the enlarged end of the stem, whereby the



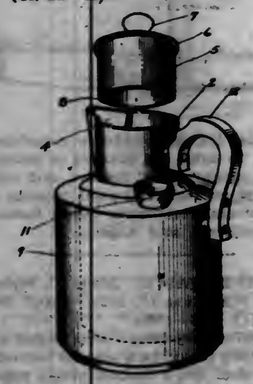
tension of engagement of said member with said stem end is increased by expansion of said member under the influence of heat.

1,487,816. ADVERTISING DEVICE. LEONARD T. SINTZ, Venice, Calif. Filed Nov. 29, 1921. Serial No. 518,660. 14 Claims. (Cl. 40—126.)



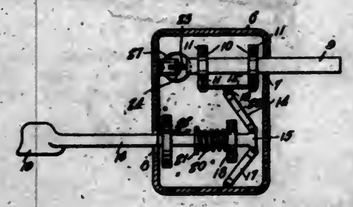
4. In combination, a device having the appearance of a grinder, the device having a receiving hopper with an outlet opening, a substantially vertical chute arranged to discharge into the hopper, a conveyer for delivering fruit, or the like, to the upper end of the chute, a trough for directing fruit from the outlet opening in the hopper to the conveyer so that it will be caught by the conveyer and delivered to the chute, and means for supplying liquid to the device so that it appears as the juice of the fruit delivered to the hopper.

1,487,817. COFFEEPOT. JAMES I. SLOAN, Kansas City, Mo. Filed Mar. 13, 1922. Serial No. 543,244. 2 Claims. (Cl. 53—3.)



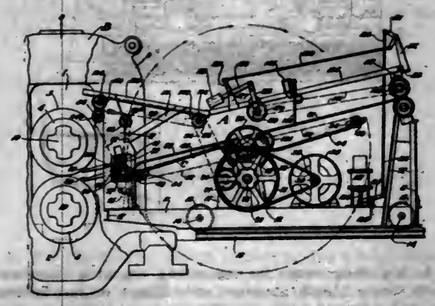
2. A coffee pot comprising an inner chamber having a constricted neck with an unobstructed spout opening, a cover having a depending flange for closing the spout opening and the top of the neck, and an outer receptacle closing the major portion of the first named receptacle and providing a water space about the same.

1,487,818. SIGNAL FOR RAILROAD CARS. GIDEON C. SPELLINGS, Huntingdon, Tenn. Filed Oct. 26, 1923. Serial No. 671,020. 7 Claims. (Cl. 116—67.)



3. In combination with the coupler heads and supporting wheels of railway rolling stock, a signaling device including a housing, supported adjacent to the coupler heads, movable bearings within the housing, a rotatable shaft supported in the bearings and adapted to move to frictionally engage the supporting wheel associated therewith, a signaling member within the housing and adapted to be operated by the rotation of the shaft, and means in the housing and adapted to contact with a coupler head for moving the shaft into and out of engagement with the wheel for controlling the sounding of the alarm.

1,487,819. ROLLING-MILL CATCHER. LAWRENCE C. STEELE, Pittsburgh, Pa. Filed May 5, 1922. Serial No. 558,580. 19 Claims. (Cl. 80—47.)



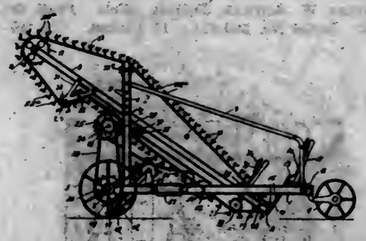
19. An automatic rolling mill catcher for sheets, comprising a platform, a plurality of stationary skids adapted to support the sheets as they are fed onto said catcher, a pair of pinch rollers adapted to receive the sheets from the mill and deliver them onto said skids, a rotary carrier mounted on said platform, means for rotating said carrier, means for locking said carrier in position below said skids while the sheets are passing between said pinch rollers, said means being adapted to automatically release said carrier when the sheets pass from between said pinch rollers to allow said carrier to rotate and elevate the sheets to a point above the top roll of the mill, conveyer chains on said carrier, other conveyer chains above said skids and in the path of travel of the sheets, said conveyer chains being adapted to co-operate to convey the elevated sheets forwardly over the mill.

1,487,820. CAN OPENER. ROBERT T. STEVENSON, Chicago, Ill.; Claramond T. Stevenson, administratrix of said Robert T. Stevenson, deceased, assignor to The Stevenson Sales Company, Chicago, Ill. Filed Feb. 15, 1922. Serial No. 536,730. 1 Claim. (Cl. 30—3.)



A can opener including complemental sheet metal members one having a longitudinally directed offset jaw provided near one longitudinal edge thereof with a slot and the other having a blade projecting through said slot to cooperate with the jaw, the metal of said first mentioned member being folded to define an upstanding guide rib of abutting thicknesses of metal at the edge of the jaw opposite said slot as well as to define spaced ears at the base of the jaw and the metal of said second mentioned member being folded to define spaced ears at the base of said blade fitting between the ears of said first mentioned member, and a pivot pin extending through said ears pivotally connecting the members, an ear of said second mentioned member being continued to form the blade.

1,487,821. POTATO-PICKING MACHINE. LOUIS STOLTENBERG, Walcott, Iowa. Filed Jan. 9, 1922. Serial No. 527,903. 3 Claims. (Cl. 55—17.)

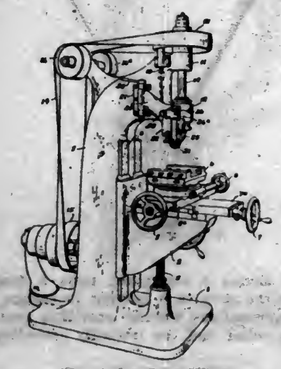


1. A device of the class described, comprising a portable frame; elevating devices operatively mounted therein; a plurality of independent wire pockets rigidly attached to said elevating devices; wire fingers fixed to the edges of said elevating devices; and means for upsetting said pockets at a given point in the upward movement of said elevating devices.

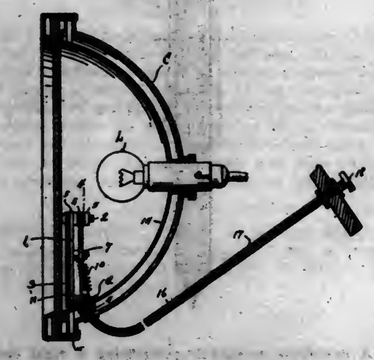
3. A device of the class described, comprising a portable frame; elevating devices operatively mounted therein; a plurality of wire pockets rigidly attached to said elevating devices, each provided with an outwardly projected loop adapted to loosen and elevate the potatoes into said pockets; and means for upsetting said carriers at a given point in the upward movement of said elevating devices.

1,487,822. CHERRYING ATTACHMENT. WILLIAM R. TOMLINSON, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 16, 1920. Serial No. 389,424. 18 Claims. (Cl. 90—11.)

1. A cherrying attachment comprising the combination of a supporting element adapted to be mounted for movement to an operative or an inoperative position on the frame of a metal working machine, means adjacent one end of the element for supporting the same on the machine, means adjacent the other end for rigidly securing the element to the machine in the operative position, means on the element for supporting a rotary tool therein, and driving means for the tool.

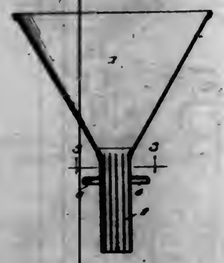


1,487,823. DIMMER. ANDREW L. TURNER, Kiefer, Okla. Filed July 30, 1923. Serial No. 654,656. 2 Claims. (Cl. 240—45.)



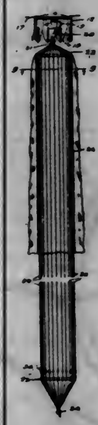
1. In combination with a lamp casing and an illuminating member positioned therein, an upstanding post supported by the casing and positioned therein, a shaft rotatably supported by the upper portion of the post, an elongated member supported by the upper portion of the post for rocking movement, said member being provided with an arcuate rack, a pinion fixed to the shaft and meshing with the rack, a spring operatively engaged with one end portion of the member for automatically moving the member in one direction, manual means operatively engaged with the opposite end portion of the member for imparting movement thereto in the opposite direction, and an opaque shield carried by the shaft, said shield when in one position being directly in advance of the illuminating member and when in a second position being below the illuminating member.

1,487,824. FUNNEL. CHARLES W. VINCENT, Ashley, Pa. Filed Nov. 11, 1922. Serial No. 600,311. 1 Claim. (Cl. 226—33.)



A funnel having a corrugated stem, a flanged collar surrounding the stem in a manner to engage the outer extending corrugations thereby providing vent openings between the collar and the inwardly extending corrugations.

1,487,825. PARACHUTE. WILLIAM F. WATKINS, Seattle, Wash., assignor to Watkins Appliance Company, Inc., Seattle, Wash., a Corporation. Filed Aug. 9, 1919, Serial No. 316,503. Renewed July 27, 1922. Serial No. 578,080. 3 Claims. (Cl. 244—21.)



1. A parachute receptacle comprising a rigid circular back portion, overlapping flap members secured to the edges of said back portion and arranged to form the sides and end of said receptacle the said flaps being arranged to fold with their ends toward the center of said receptacle in such manner that a central opening is left through which a cable that is connected with a parachute may project, a breaking string arranged to be connected with the end of each of said flaps for holding said flaps in a closed position and means for connecting the outwardly projecting parachute cable to said breaking string at a plurality of points.

1,487,826. PIANO SOUNDING-BOARD BRIDGE. CHARLES S. WEBER, Los Angeles, Calif. Filed July 31, 1920. Serial No. 400,563. 6 Claims. (Cl. 86—213.)

5. A sounding board bridge for a piano comprising a base having holes therein adapted to receive anchoring members for the strings and a crest adapted to support strings received from either side, and sides sloping away



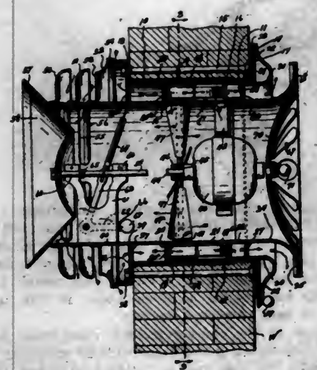
from said crest to support said strings, substantially as shown.

1,487,827. COMBINED TAIL LIGHT, NAME AND LICENSE PLATE HOLDER. HERBERT H. WEISS, Eugene, Oreg. Filed Oct. 14, 1922. Serial No. 594,479. 2 Claims. (Cl. 40—132.)



1. A device of the character described including a casing having a tapered portion, a name plate carried by the casing and removable endwise therefrom, and a keeper formed with a tapered portion having wedging engagement with the tapered portion of the casing supporting the keeper to overlie one end of the plate limiting said plate against displacement.

1,487,828. VENTILATOR. FERDINAND ZIGANEK and CHARLES W. SCHWAB, Detroit, Mich. Filed Oct. 14, 1922. Serial No. 594,471. 15 Claims. (Cl. 98—27.)

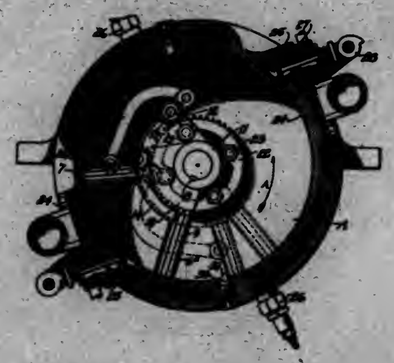


15. In a ventilator, concentric eduction and induction passages, and a fan common to both of said passages and producing by its operation a forced draft in each thereof.

1,487,829. ROTARY GAS ENGINE. PIETRO ARRIGHI, San Francisco, Calif. Filed Sept. 29, 1920. Serial No. 413,585. 8 Claims. (Cl. 123—11.)

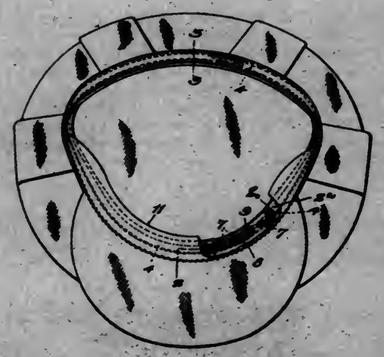
1. An internal combustion engine comprising a casing having a cylinder chamber formed therein, a cylinder head on each end of the casing forming a closure for the respective ends of the cylinder chamber, a main shaft extending directly through the cylinder chamber and

journaled in the head members, a main piston mounted on the shaft and comprising a transverse vane and spaced substantially sector shaped side plates forming a space between them, a second piston composed of a transverse vane, and a main substantially sector shaped



supporting plate mounted on the shaft and fitted in the space between the said side plates, said vanes and plates cooperating with the casing to form a case tight combustion chamber, and means carried by the first named piston for transmitting an oscillatory movement to the second named piston.

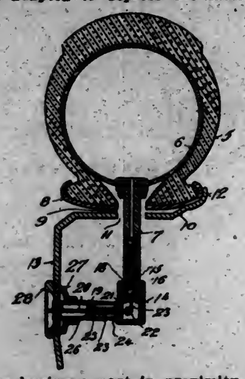
1,487,830. CAP. DAVID BARATZ and HARRY MILLER, Providence, R. I. Filed Feb. 28, 1923. Serial No. 621,936. 2 Claims. (Cl. 2—197.)



2. In a cap, a tubular head band forming a pocket extending throughout the circumference of the cap and having an opening, an elastic strip in the pocket having one end thereof free and extending in the opening, a member of a snap fastener on said free end of the strip, and a series of complementary snap-fastening members secured to the opposite end of the elastic and to the head band and extending in the opening for selective engagement with said first named snap fastening member.

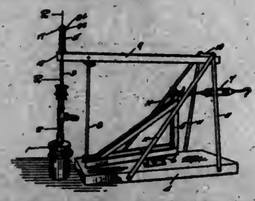
1,487,831. TIRE-INFLATING CONNECTION FOR WHEELS. WILLIAM BARBER, Brooklyn, N. Y. Filed Aug. 6, 1920. Serial No. 401,630. 10 Claims. (Cl. 152—12.)

1. In a tire valve or the like, the combination with such valve, of an extension and a deflating device in said extension movable angularly to the movement of the valve pin and adapted to depress the latter and said



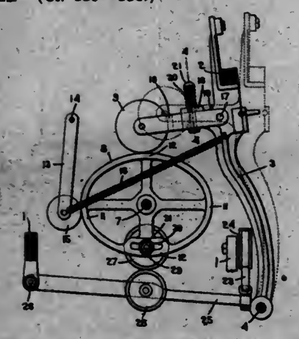
deflating device having a part in proximity to the end of the extension whereby to be engaged by a gauge or the like.

1,487,832. SHOCK ABSORBER FOR SUCKER RODS. WILLIAM R. BARNEY, Tulsa, Okla., assignor to Wilbur C. Norris, Tulsa, Okla. Filed Oct. 22, 1921. Serial No. 509,568. 1 Claim. (Cl. 74—48.)



In a pumping apparatus, the combination of an oscillating beam; a trunnion on the beam having vertical hollow extensions adapted to receive a sucker rod of an oil pump; a spring supported by the trunnion; an enlargement on the sucker rod resting on the spring; and a sleeve within the spring limiting the movement of the sucker rod relatively to the trunnion, said sleeve having a base on which the spring rests, said base centering on the upwardly extending extensions on the trunnion.

1,487,833. LOOM. JOSEPH F. BENOIT, Sanford, Me., assignor to Sanford Mills, Sanford, Me., a Corporation of Maine. Filed Jan. 25, 1923. Serial No. 614,907. 6 Claims. (Cl. 139—188.)



1. In a loom, the combination with a vibrating lay, of a picker stick, a cam shaft and a cam thereon operating both to vibrate the lay and actuate the picker stick.

1,487,824. REVERSIBLE GAUGE. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 8, 1922. Serial No. 550,748. 12 Claims. (Cl. 33—178.)



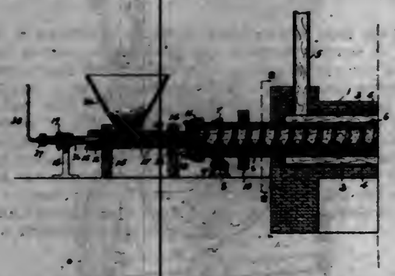
1. A cylindrical gaging head of the "go" and "not go" type comprising three sections, the middle section being of a slightly greater diameter than the end sections and acting as the "not go" section for an end section.

1,487,835. TIRE PUMP. ROBERT H. BOTTS, Parker, Ariz. Filed Jan. 17, 1923. Serial No. 613,188. 1 Claim. (Cl. 230—27.)



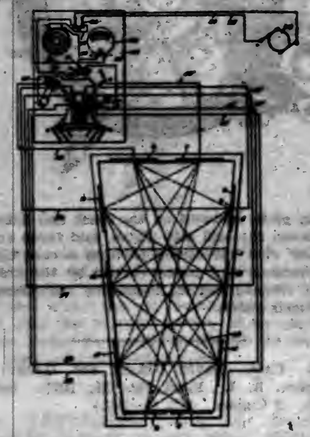
In an inflating pump, a cylinder having terminal heads, bolts disposed longitudinally and externally of the cylinder and through the edge portions of the heads, certain of the bolts projecting beyond one of the heads, a bar having terminal eyes receiving said projecting bolt ends, a U-shaped spring having a terminal eye receiving the said bar, the adjacent head of the cylinder having an opening, a valve on the other end of the spring seated in said opening, and clamping and adjusting nuts on the projecting bolts for regulating the tension of said spring.

1,487,836. OIL-EDUCTION APPARATUS. HARRY L. BROWN, Newark, N. J. Filed Apr. 21, 1920. Serial No. 375,420. 1 Claim. (Cl. 196—20.)



In an oil eduction apparatus, the combination with a furnace having a fire-box and a longitudinal combustion chamber communicating therewith, of a rotatable cylindrical retort extending through the combustion chamber provided with means for causing travel of material therethrough from its receiving end to its discharge end, a tubular housing having a feed hopper, said housing communicating with the receiving end of said retort, a rotatable conveyor screw in said housing operative to move material from said hopper into the receiving end of said retort, said screw having a central longitudinal steam injection conduit therethrough and a vertical drop well at the discharge end of said retort into which spent material is delivered after passing through the latter.

1,487,837. THERAPEUTIC APPARATUS. GEORGE BUSCKLE, Brooklyn, N. Y. Filed Dec. 14, 1920, Serial No. 430,690. Renewed June 14, 1923. 5 Claims. (Cl. 178—183.)



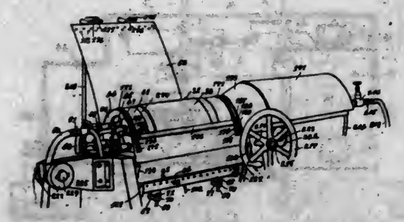
1. A controlling device for therapeutic apparatus having a plurality of electrodes, which comprises a panelboard, a plurality of contacts disposed on the panelboard and connected with the electrodes, the successive contacts so connected being separated by insulating contacts, a switch arm, and a source of power, said switch arm adapted to be moved selectively to energize the various contacts but the width of the switch arm being insufficient to span the space between successive live contacts.

1,487,838. SPARK ARRESTER. SAMUEL CHERRY, Guildford, Western Australia, Australia. Filed June 18, 1922. Serial No. 567,896. 2 Claims. (Cl. 183—72.)



1. In a spark arrester, the combination with a funnel, of an inverted gauze cone having its apex situated within the funnel, a gauze ring secured to the base of the cone and depending therefrom, a filling ring connecting the lower edge of the gauze ring with the top of the funnel, and an annular baffle encircling the gauze ring in spaced relation thereto, both the upper and the lower edges of said baffle being separated from the gauze ring, whereby lateral movement of cinders and steam discharged from the ring is limited by the baffle but free vertical movement either upward or downward is permitted through the annular spaces between the upper and lower edges of the baffle and said gauze ring.

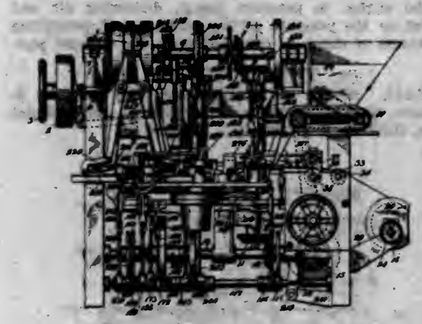
1,487,839. METHOD OF AND APPARATUS FOR FORMING PRINTING PLATES. LESLIE W. CLAYBOURN, Menasha, Wis. Filed June 24, 1921. Serial No. 480,073. 48 Claims. (Cl. 153—32.)



1. The method of curving a curved printing plate having an inner backing surface and an outer printing surface which consists in applying heat to said curved printing plate from the inside of the curvature thereof toward said printing surface in a manner to render the printing plate progressively more pliable toward said backing surface and less pliable toward said printing surface, and then applying enveloping pressure upon the heated plate in curved form.

20. In a printing plate apparatus of the character described, the combination of a heating mold, a forming mold, substantially concentrically arranged resilient bands between which the printing plate is received about said molds, and means to cause change of cross-sectional relation between said molds and bands.

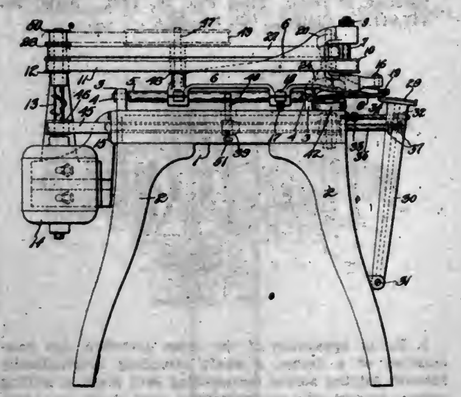
1,487,840. MACHINE FOR FORMING SEALED FOIL PACKAGES. EDWIN J. CONLEY, New York, and EDWARD J. WHALEN, Howard Beach, N. Y., assignors to The Conley Foil Company, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1923. Serial No. 613,234. 50 Claims. (Cl. 93—3.)



1. In a machine for the purpose described, the combination of means for wrapping cigarettes and the like with a paper wrapper, and means for hermetically enclosing said wrapper with a sheet of foil without sealing said paper wrapper.

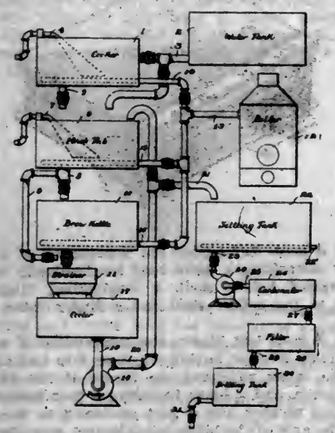
1,487,841. SCARFING MACHINE. JOHN S. DELANEY, Saugus, Mass. Filed Jan. 9, 1923. Serial No. 611,676. 12 Claims. (Cl. 69—16.)

1. In a machine of the character described, the combination of a rotatable cutter and a pivotally supported work rest made at one end with an arcuate cutting edge co-operating with said cutter, said work rest being movable on its pivotal support to carry the work toward and from the cutter.



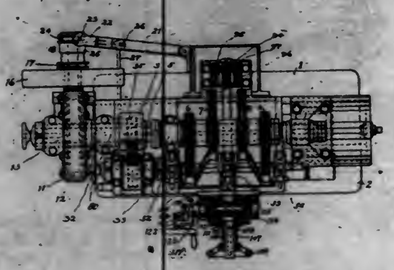
12. In a machine of the character described, the combination of a rotatable and angularly adjustable cutter; a work rest movable toward and from said cutter, and means to provide for varying the angular position of the cutter relatively to the work rest according to the thickness of the stock being operated upon.

1,487,842. PROCESS OF MAKING LOW-ALCOHOLIC-CONTENT BEVERAGE. ANTON DOLENZ, San Francisco, Calif. Filed Aug. 30, 1919. Serial No. 320,900. 5 Claims. (Cl. 195—20.)



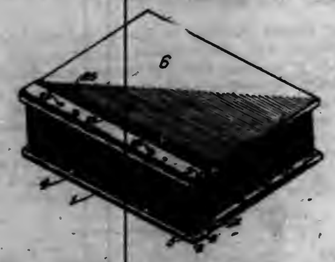
1. The process of manufacturing a malt beverage consisting in, fermenting a saccharified and hopped cereal infusion at a temperature which may be varied from 20 to 30° (C.); aerating and stirring the infusion until it shows a predetermined alcohol content; limiting the alcoholic content by separating a portion of the infusion; dealcoholizing the separated portion of the infusion and returning it to the remainder of the infusion.

1,487,843. MACHINE FOR MILLING CRANK ECCENTRIC SHAFTS AND THE LIKE. ALVIN B. HINIG, Cleveland, Ohio, assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 26, 1921. Serial No. 447,911. 8 Claims. (Cl. 90—20.)



1. In an apparatus of the class described, the combination of a frame, a shaft extending longitudinally thereof, driving means for rotating said shaft, a milling cutter eccentrically mounted upon said shaft, an auxiliary frame pivoted to the front of said main frame, crank shaft holding elements mounted upon the upper edge of said auxiliary frame, driving means upon said auxiliary frame for engagement with said crank shaft, and feeding means whereby said auxiliary frame may be adjusted with respect to said main frame.

1,487,844. LOOSE-LEAF BINDER. CHARLES R. FARGO, Chicago, Ill., assignor to Wilson-Jones Loose Leaf Co., Chicago, Ill., a Corporation of Illinois. Filed May 15, 1918. Serial No. 234,611. 12 Claims. (Cl. 129—12.)

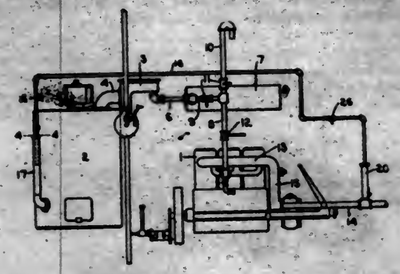


4. In a loose leaf binder the combination of a clamp member comprising a plate bent longitudinally to form an elongated hollow shell, a longitudinal hinge plate secured to the hollow shell and a binder cover hinged thereto.

8. In a loose leaf binder, the combination of an elongated clamp member having an outer face and an inner face, the latter adjoining the leaves of the binder, a binder cover, and a hinge including a part connected to the clamp member and a part connected to the binder cover, the axis of the hinge being located near the planes of the outer surfaces of the binder cover and clamp member whereby the cover can rotate through approximately 180° into contact with the outer face of the clamp member.

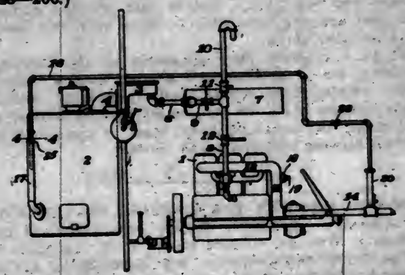
1,487,845. GAS-PRODUCER APPARATUS. ALBERT L. GALUSHA, Sharon, Mass. Filed July 15, 1918. Serial No. 244,898. 17 Claims. (Cl. 48—63.)

10. In an apparatus of the class described, the combination with a gas producer and an internal combustion engine, of means operating automatically to deliver to the gas producer a quantity of commingled air and steam



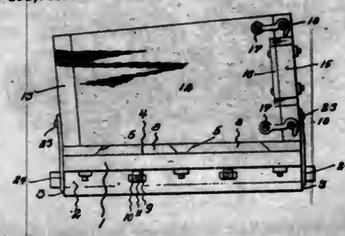
controlled in amount by the pressure of the exhaust of the engine and proportionate to the volume of gas consumed in the engine.

1,487,846. METHOD OF OPERATING GAS PRODUCERS. ALBERT L. GALUSHA, Sharon, Mass. Filed May 6, 1919. Serial No. 295,150. 4 Claims. (Cl. 48—206.)



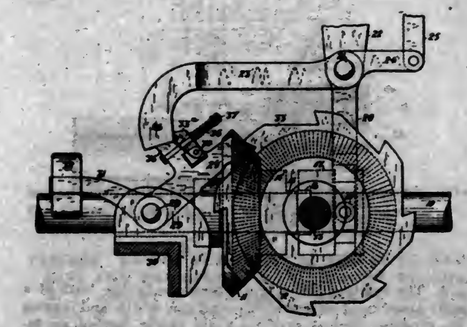
3. The method of operating gas producers which consists in delivering gas from the producer to an internal combustion engine, admitting water to the exhaust pipe of the engine to generate steam, delivering air and trolled by the pressure of the exhaust, and permitting the excess of steam to escape through the exhaust pipe.

1,487,847. MOLD. WILLIAM GLATZ and CHARLES S. GLATZ, Manchester, Mich. Filed Sept. 6, 1921. Serial No. 498,783. 1 Claim. (Cl. 25—121.)



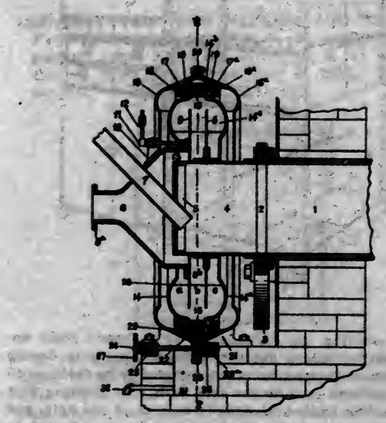
A mold comprising a base and a body removably secured on the base, said body having depending lugs received in sockets in the base, said base having longitudinal channels extending the entire length thereof and whose side walls are disposed at inward angles, wedge-shaped indicia bearing blocks designed to be received in the channels to contact the side walls thereof, wedge-shaped spacer blocks also received in the channels for spacing the first mentioned blocks, and longitudinally adjustable means passing through the under face of the base for contacting the spacer blocks for holding both the spacer and indicia bearing blocks in the channels.

1,487,848. HOIST. WILLIAM A. GOLLNAST, Vallejo, Calif. Filed June 29, 1921. Serial No. 481,250. 15 Claims. (Cl. 192—12.)



1. In a device of the character described; a drive shaft; a freely rotating gear thereon; a driven shaft carrying a fixed gear in constant mesh with said rotating gear; clutch means on the driving shaft for optionally engaging the freely rotating gear with said shaft; lock means on the driven shaft for preventing countermotion of the driven shaft; and means for simultaneously controlling the clutch mechanism and the lock means whereby disengagement of the clutches will cause operation of the lock means.

1,487,849. SEALING MEANS. EDGAR GRAUBERT, Middlesex, N. J. Filed Jan. 24, 1922. Serial No. 531,503. 4 Claims. (Cl. 286—10.)



1. The combination of a stationary hood, a rotatable retort having one end extending into said hood, a rotatable vessel adapted to contain a liquid and rotatable about said one end of said retort, means for rotating said vessel to force said liquid outwardly therein under centrifugal force, and means carried by said hood and retort extending into said liquid whereby communication between the interior of said retort and the exterior of the hood is sealed.

1,487,850. FIRE-EXTINGUISHER HOLDER. JAMES A. MILLER and EDWARD P. GROSCLAUDE, Montreal, Quebec, Canada, assignors to Pyrene Manufacturing Company of Canada, Limited, Montreal, Quebec, Canada, a Corporation of Canada. Filed Mar. 1, 1922. Serial No. 540,295. 3 Claims. (Cl. 220—82.)



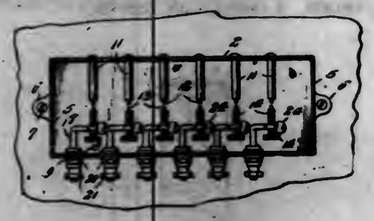
1. A fire extinguisher holder consisting of an oblong box with back, sides, bottom and top and an open front, the sides and top having inward flanges and the top flange being set rearwardly from the side flanges; a slide upon the top and presenting a flange overhanging the flange at the top; and means for locking the slide in place.

1,487,851. INFLATION DEVICE. WILLIAM P. HAMMOND, Passaic, and THEODORE A. HAMMOND, Rutherford, N. J., assignors to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Original application filed Apr. 29, 1910, Serial No. 558,418. Patent No. 1,181,188, dated May 2, 1916. Divided and this application filed Mar. 15, 1916, Serial No. 84,276. Renewed June 9, 1922. Serial No. 567,198. 8 Claims. (Cl. 152—11.5.)



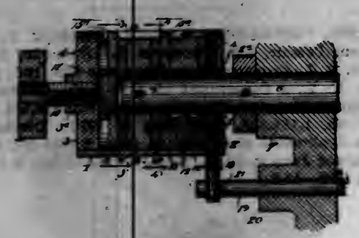
8. An inflating device for tires comprising means for connecting said device with the interior of a pneumatic tire, an inflation passage-way adapted to be connected with a pump or reservoir for conducting compressed air to the tire through said means of connection, a pressure gauge, adapted to be placed in communication with the interior of said tire through said means of connection, and a manually operable valve adapted to vent air from the interior of the tire through said means of connection when there is an excess of air introduced into the tire, whereby air may be vented through said device from the tire without removing said device or the hose leading to said pump from connection with the tire, said means of connection with the tire, comprising a deflater adapted to contact with the stem of a valve in an ordinary valve casing, and open it to allow the pressure within the tire to act upon said gauge and to flow through said manually operable valve when opened to vent air from the tire.

1,487,852. SPARK INDICATOR AND INTENSIFIER FOR GASOLINE ENGINES. HENRY HAWAUSE, Tolland, Mass. Filed Dec. 12, 1922. Serial No. 606,892. 1 Claim. (Cl. 174—17.)



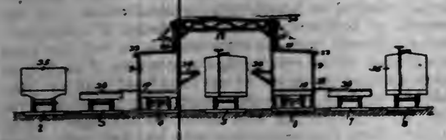
In a device of the class described, a casing, spaced stationary posts within the casing and supported within openings in the upper wall thereof, vertical posts supported within openings in the bottom wall of the casing and rearwardly of and substantially between the stationary posts, right angularly extending arms formed upon the upper ends of the posts and having split ends in alinement with the said stationary posts, screw threaded posts engaging through openings in the split ends of the arms and adapted for adjustment with respect to the said stationary posts and means for retaining said screw threaded posts in their adjusted position.

1,487,853. BRAKE MECHANISM. WILLIAM C. HAMBLEY, Mount Vernon, N. Y. Filed May 11, 1921. Serial No. 468,578. 7 Claims. (Cl. 188—83.)



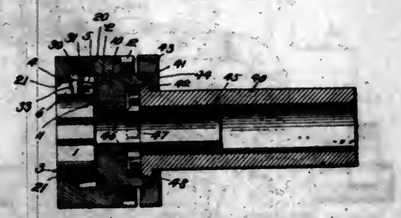
1. A brake mechanism comprising a shaft, a shell rotative thereon, means to at will resist rotation of the shell, a disk secured upon the shaft, other disks upon the shaft within the shell, and means supported by the shell independent of the shaft to control the pressure of the disks against one another.

1,487,854. PORTABLE SHOP. JOHN M. HANSEN, Pittsburgh, Pa. Filed Mar. 30, 1923. Serial No. 628,931. 7 Claims. (Cl. 105—1.)



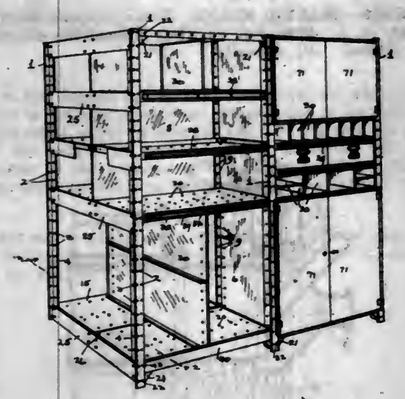
3. In a portable shop, the combination with parallel tracks, of cars on said tracks, framing extending above the tops of said cars, roof-trusses detachably secured to said framing bridging the space between said cars, and a temporary roof-support on said roof-trusses.

1,487,855. DIE AND DIE HOLDER. LOUIS B. HARBROUCK, Elmira, N. Y., assignor of one-half to Henry E. Van Ness, Elmira, N. Y. Filed Jan. 24, 1921. Serial No. 439,514. 12 Claims. (Cl. 10—117.)



1. The combination of a one-piece die in the form of a split annulus of substantially uniform width and having an external conical surface, a die holder having an internal conical surface, and means for expanding the die so as to force its conical surface uniformly into contact with the conical surface of the die holder.

1,487,856. METALLIC BIN, SHELVING, AND THE LIKE. EARL F. HAUSERMAN, Cleveland Heights, LEROY D. MOWERY and ROBERT OSTERMAN, Cleveland, and EARL R. SMITH, Lakewood, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 27, 1919. Serial No. 307,066. 9 Claims. (Cl. 211—27.)

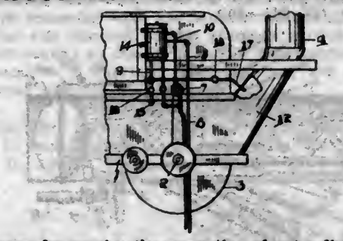


1. In shelving the combination of T-shaped front uprights having spaced apertures, flanged uprights having complementary spaced apertures adapted to be fastened to said T uprights to form the side walls of a shelving unit and providing angle uprights at the rear of the unit, and shelves having flanges with spaced apertures adapted to fit within said uprights, the apertures in said uprights and such shelf flanges being adapted to be aligned to receive retaining bolts.

1,487,857. THRASHING-MACHINE ATTACHMENT. GORDON HOLLINGER, St. Jacobs, Ontario, Canada. Filed July 28, 1922. Serial No. 578,267. 2 Claims. (Cl. 302—20.)

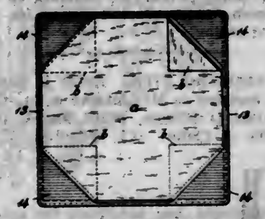
1. A thrashing machine provided with pneumatic straw stacking means including a fan, fan casing, air and straw

inlet and outlet passages in combination with a water supply pipe adapted to discharge into said passages, and



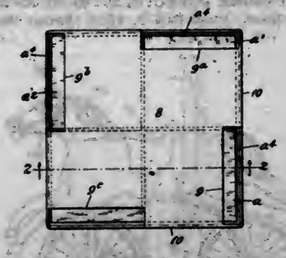
means for varying the proportion of water discharged into the respective passages.

1,487,858. DEVICE FOR HOLDING STACKS OF NAPKINS AND THE LIKE. PAUL H. HOAWITT, Brooklyn, N. Y., assignor to Independent Paper Mills, Inc., New York, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 649,892. 4 Claims. (Cl. 211—29.)



1. The combination of a holder, a stack of rectangular sheets combined therewith and having corners turned back to form flaps and means located adjacent to an end of said stack and arranged to permit the flap of a terminal sheet to project away therefrom whereby said flap may be grasped to remove said terminal sheet from said stack.

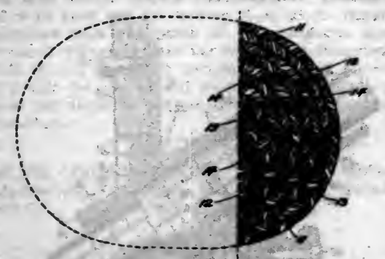
1,487,859. STAND FOR NAPKINS AND THE LIKE. PAUL H. HOAWITT, Brooklyn, N. Y., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed July 6, 1923. Serial No. 649,893. 3 Claims. (Cl. 211—29.)



1. The combination of a holder, a stack of sheets combined therewith, said sheets alternately extending at right angles to each other and having their contiguous ends overlapping and a member located at one end of said stack and having slots in registry with the free ends of the sheets of said stack through which a terminal sheet may be removed from said stack.

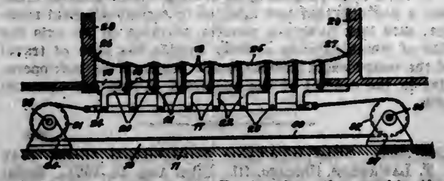
1,487,860. BRAID AND METHOD OF MAKING FLOOR COVERINGS THEREFROM. RAYMOND B. KALBACH, Philadelphia, Pa. Filed Jan. 12, 1923. Serial No. 612,194. 1 Claim. (Cl. 96—26.)

As an article of manufacture, an all wool two-core, flat braid comprising a plurality of strands of natural (undyed) yarn and strands of dyed yarn, of which some of the natural yarn serves as a core or stuffer and of which the remainder of the natural yarn and the dyed yarn serve as surface strands, all being braided together to



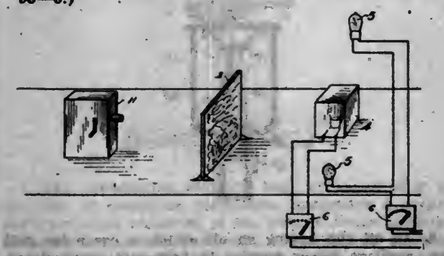
provide a background of natural yarn regardless of any exposure of the core or stuffer, the dyed surface strands showing at intervals upon said background.

1,487,861. EMERGENCY TRAFFIC BARRIER. JOHN J. KEENAN, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,677. 5 Claims. (Cl. 20—6.)



1. In an emergency traffic barrier, the combination with a trough adapted to be arranged across a highway so that the walls thereof are below the surface of the highway, of spaced guard elements, each having a post with a substantially U-shaped flange on one of its lengthwise edges, said elements pivoted to the walls of the trough whereby the posts thereof are normally positioned lengthwise in the trough with the flanges being flush with the surface of the highway and so that the grooves of the flanges are in register, a flexible barrier line normally disposed in the grooves of the flanges of the posts when lowered in the trough and the line having its ends held above both of the end guard elements for being moved to and from a position on the upper ends of the posts, when raised and lowered above the highway, and electric means operative for operating the guard elements whereby the posts will be swung to and from spaced vertical positions above the highway.

1,487,862. PROCESS AND APPARATUS FOR THE PRODUCTION OF MOTION-PICTURE FILMS. ARCHIE LA FRANCHI, Seattle, Wash. Filed Apr. 27, 1922, Serial No. 557,016. Renewed Nov. 14, 1923. 3 Claims. (Cl. 95—5.)



1. The herein described process, consisting in providing a relief plate, having a plastic material side, outlining inanimate objects in said material, lighting the plate from the material side, and photographing the plate from the plain side.

1,487,863. STEERING-GEAR LOCK. JOSEPH P. LAVIGNE, Detroit, Mich. Filed May 19, 1919. Serial No. 297,980. 14 Claims. (Cl. 70—30.)



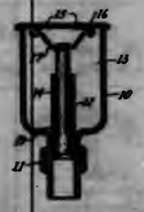
1. In a steering gear lock, a reciprocable locking member, a key operated lock adapted to reciprocate said member, said lock having a member movable on an axis the line of which extends entirely outside the path of travel of the reciprocable member, and a permutation lock operative in the control of the operation of said key operated lock.

1,487,864. SELF-HEATING SOLDERING IRON. JAY F. LAWRENCE, Chicago, Ill. Filed Aug. 13, 1921. Serial No. 491,905. 1 Claim. (Cl. 158—27.)



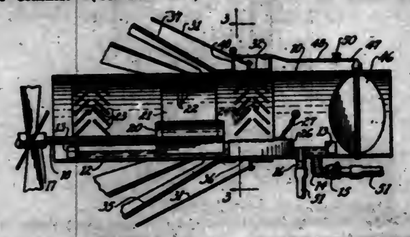
A self-heating soldering device, comprising a fire chamber, a fuel reservoir, a needle valve for feeding fuel to said fire chamber, a disk closing the lower end of said fuel reservoir, a cylindrical screen in said fuel reservoir spaced from the wall of the latter, a flanged cover for said screen, a screw extending centrally and longitudinally through said screen and connecting said cover with said disk, and a fuel supply pipe leading from the interior of said screen through said disk to said needle valve.

1,487,865. OIL CUP. CHARLES B. LINEBARGER, Chicago, Ill. Filed July 17, 1920. Serial No. 397,078. 7 Claims. (Cl. 184—45.)



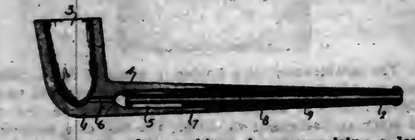
5. An oil cup having an oil outlet, a cover for said cup, resilient means tending to hold said cover closed, a pin slidably positioned in said outlet, and means operatively connecting said pin with said cover whereby said pin will be withdrawn somewhat from said outlet when said cover is raised, said outlet being opened by the withdrawal of said pin.

1,487,866. HUMIDIFIER. CHARLES B. LINEBARGER, Chicago, Ill. Filed Oct. 6, 1920. Serial No. 415,214. 6 Claims. (Cl. 261—30.)



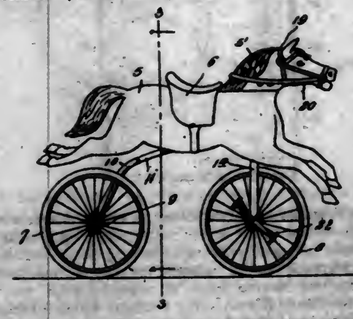
1. A humidifier comprising a casing of curved cross-section and partly closed at both ends, means for forcing a gas through said casing, means for maintaining a supply of liquid within said casing, a stirrer rotatably mounted within said casing and normally partially immersed in said liquid, means for rotating said stirrer so that said liquid is driven up and around the inner wall of said casing, means for breaking up the current of liquid thereby produced, and means for heating the water in said casing.

1,487,867. SMOKING PIPE. LOUIS B. LINKMAN, Chicago, Ill., assignor to M. Linkman & Co., Chicago, Ill., a Corporation of Illinois. Filed May 1, 1922. Serial No. 557,696. 1 Claim. (Cl. 131—12.)



A mouth piece for smoking pipes comprising a longitudinally bored stem having one end reduced to form a nipple, and a metallic tube secured in the bore of said nipple and an adjacent part of said stem for reinforcing said reduced end, said tube projecting beyond said nipple and having an annular cleaning flange at its end.

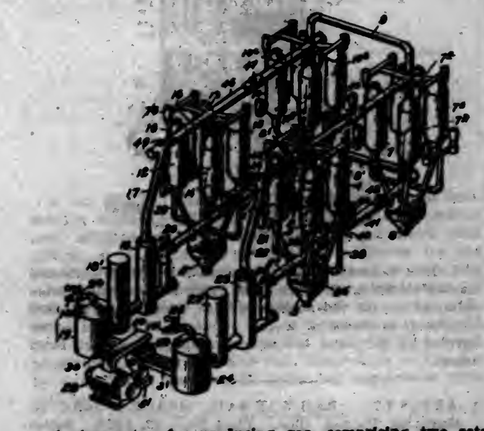
1,487,868. FIGURE POLYCYCLE. RAYMOND R. LORENZ, Palmyra, Nebr. Filed Feb. 3, 1923. Serial No. 616,644. 1 Claim. (Cl. 208—42.)



A toy comprising a body simulating that of a quadruped animal, a fork applied at one end to the intermediate portion of the trunk of the animal figure and disposed downwardly and rearwardly, a wheel journaled in said fork, a sleeve passing vertically and transversely through the forward portion of the body, a standard journaled in the sleeve and provided at its upper end with an angularly disposed extremity, a figure representing a head mounted upon said extremity and the upper end of the standard and disposed over the upper

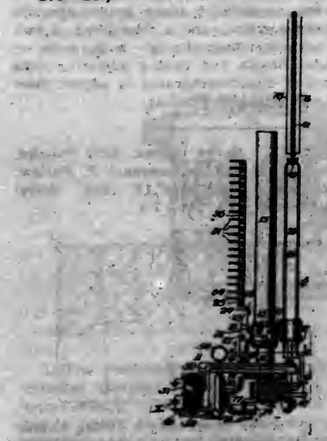
end of the sleeve, said extremity being disposed longitudinally with relation to the figure head, guiding members connected with the forward portion of the figure head and disposed around the rear portion thereof, a fork carried at the lower end of the standard, a wheel journaled in the last mentioned fork, and pedals connected with the last mentioned wheel.

1,487,869. APPARATUS FOR PRODUCING GAS. CARL LUNDIN, Pittsburgh, Pa. Filed Dec. 22, 1921. Serial No. 524,331. 7 Claims. (Cl. 48—85.)



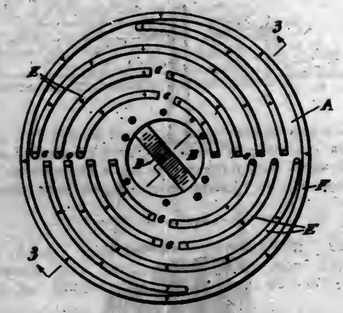
1. Apparatus for producing gas, comprising two sets of coal retorts, means for charging and discharging said retorts without admitting air thereto, chambers for containing metallic oxid, means for charging and discharging said chambers without admitting air thereto, connections between said chambers and retorts communicating with a pump for circulating the gas in the apparatus, and means for retaining and for utilizing the heat of the material discharged from the oxid chambers for heating the coal for charging the retorts.

1,487,870. AUTOMATIC TELEPHONE EXCHANGE. FRANK A. LUNDQUIST, Chicago, Ill., assignor, by mesne assignments, to Henry S. Conrad, trustee. Filed Oct. 27, 1919. Serial No. 333,514. 32 Claims. (Cl. 179—18.)



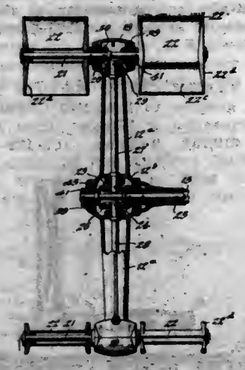
1. In a telephone exchange, a series of line switches, a movable element for each of said line switches, a series of bars each of which has projections in the path of each of said elements when said elements are moved from their normal positions, means for moving said elements from their normal positions, a pneumatic device associated with each bar for moving it so as to remove its projections from the paths of said elements, magnets associated with said bars for controlling the admission of air to said pneumatic devices, and means for closing the circuit for one of said magnets by contact between one of said elements and the bar with which said magnet is associated.

1,487,871. IRONING WHEEL. DANIEL F. McGOVERN, Montpelier, Vt. Filed Mar. 8, 1923. Serial No. 623,787. 1 Claim. (Cl. 51—209.)



An ironing wheel of the class described comprising a cover plate having a central feeding aperture, a feed hopper disposed about said aperture, a continuous draft check disposed about the wheel substantially at its periphery and a plurality of curved flange segments disposed to feed inwardly of the wheel within said enclosing outer draft check, said wheel having radial openings in its flanging permissive of the outward centrifugation of the shot.

1,487,872. PROPELLING MECHANISM FOR AIR-SHIPS AND THE LIKE. CHARLES W. MANZEL, Buffalo, N. Y. Filed Sept. 8, 1919. Serial No. 321,008. 17 Claims. (Cl. 170—150.)

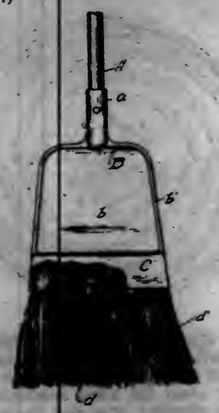


1. The combination with the body of an air ship or the like, of propelling mechanism comprising a rotary shaft arranged crosswise of the ship, a frame mounted on said shaft to turn therewith, a rotary shaft mounted on said frame parallel with said frame-shaft and carrying a propeller blade, a normally stationary controlling shaft extending lengthwise of said frame-shaft, a transmission shaft mounted radially on said frame, and gearing connecting said transmission shaft with said controlling and propeller shafts.

1,487,873. TRANSFER INK FOR PRODUCING INDELIBLE MARKINGS. TROWBRIDGE MARSTON, Morristown, N. J., and WINTHROP STANLEY LAWRENCE, Brooklyn, N. Y., assignors to Kaumagraph Co., New York, N. Y., a Corporation of New York. Filed Apr. 7, 1923. Serial No. 630,642. 7 Claims. (Cl. 134—32.)

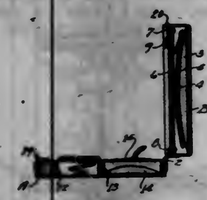
6. An indelible, non-smearing, fusible transfer ink consisting substantially of one part by weight of stearic acid having one and one half parts of induline base incorporated therein.

1,487,874. BROOM. JOHN F. MELTON, Chicago, Ill. Filed Oct. 7, 1921. Serial No. 506,078. 1 Claim. (Cl. 15—171.)



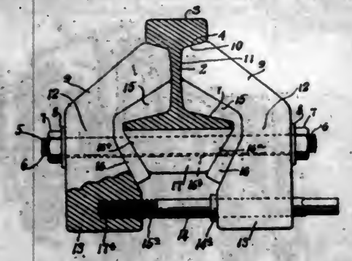
A new article of manufacture comprising in combination a broom holder formed of metal having a central web portion, a strengthening rib on the sides and top of said web, the upper part of said web portion terminating in a handle socket, the lower portion thereof having an elongated recessed portion extending across the bottom edge of the web portion, an inwardly extending rib near the edge of the recessed portion, fibers compressed within said rib and having the ends thereof extended into the upper part of said recess, said fibers being adhesively secured together at the upper ends thereof within the recessed portion, substantially as described.

1,487,875. VANITY CASE. MELVILLE MILLER, Pittsfield, Ill., assignor to Brun-Mill Company, Pittsfield, Ill., a Corporation of Illinois. Filed Jan. 15, 1923. Serial No. 612,753. 2 Claims. (Cl. 132—83.)



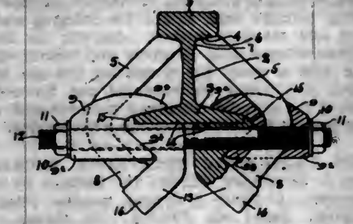
1. A vanity-case including a cup-shaped lid, a cup-shaped base oppositely disposed to the lid, the lid and base providing containing chambers for toilet articles, and means comprising a pintle for hingedly fastening the lid and base together for relative swinging movement, in combination with a combined partition and double mirror member of reduced size to fit within the lid, and means comprising a pintle-eye for hingedly fastening the mirror to said pintle for swinging movement relatively to the lid and base, the pintle-eye being laterally offset from the pintle for normally disposing the mirror-member within the confines of the lid and said partition and mirror-member providing a retaining wall for the toilet articles contained within the lid and also providing a reflecting medium at one or the other of its surfaces on the selected use of the articles contained within the lid or base.

1,487,876. RAILWAY BRACE. JOHN G. MUELLER, Dayton, Ohio. Filed Mar. 22, 1923. Serial No. 626,965. 3 Claims. (Cl. 238—53.)



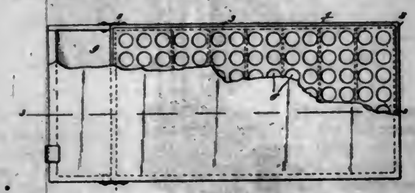
3. In a railway brace, the combination with a tie rod having clamping nuts, an outer brace and an inner brace mounted on the rod at each side of the rail and adapted to clamp portions of a rail, and an adjustable screw carried by the outer braces and adapted to spread them apart.

1,487,877. RAILWAY-RAIL BRACE. JOHN G. MUELLER, Dayton, Ohio. Filed Mar. 22, 1923. Serial No. 626,967. 4 Claims. (Cl. 116—99.)



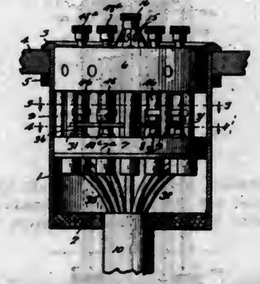
2. In a railway rail brace, the combination with a pair of outer braces, a pair of inner braces through which the outer braces extend, and a filler block in two parts, of a tie rod extending through both pairs of braces and the filler blocks and having adjusting nuts adapted to act against the inner braces to adjust them and the other braces, as also the blocks.

1,487,878. EGG CRATE. LAVAN OLIVER, East Vaughn, N. Mex., assignor of one-half to Lawrence F. Furlow, East Vaughn, N. Mex. Filed May 11, 1923. Serial No. 638,157. 4 Claims. (Cl. 217—7.)



1. An egg crate or carrier comprising a casing having within it a superposed series of egg containers of gradual increasing length from one end to the other and provided with perforations for supporting the eggs at end portions thereof out of contact with each other.

1,487,879. COMBINATION IGNITION LOCK. HENRY T. ORMONDE, Lakewood, Ohio, assignor of one-half to Orland F. Baughman and one-fourth to Julius Roemer, both of Lakewood, Ohio. Filed Jan. 11, 1922. Serial No. 528,509. 18 Claims. (Cl. 200—45.)



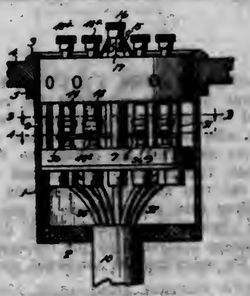
1. An ignition lock for a multi-cylinder internal combustion engine comprising a series of movable members each adapted by its movement to close a spark plug circuit, a plate having openings therethrough for the passage of said members and exceeding in number the number of said members, means including said plate for normally rendering said circuits ineffective, and additional means adjacent to certain openings only in said plate and engaging said plate for rendering said spark plug circuits ineffective and each adapted to be engaged by one of said members to break its engagement with said plate.

1,487,880. PROCESS FOR THE VULCANIZATION OF CAOUTCHOUC. STANLEY JOHN PEACHEY, Davenport, Stockport, England. Filed Feb. 4, 1919. Serial No. 275,012. 16 Claims. (Cl. 18—53.)

1. Vulcanizing rubber without the aid of heat by means of the interaction of sulphur dioxide and hydrogen sulphide in the mass, substantially as herein set forth.

12. A process for vulcanizing rubber, which comprises treating the rubber with H_2S and SO_2 in a liquid medium in the presence of moisture.

1,487,881. COMBINATION IGNITION LOCK. HENRY T. ORMONDE, Lakewood, Ohio, assignor of one-half to Orland F. Baughman and one-fourth to Julius Roemer, both of Lakewood, Ohio. Filed Mar. 30, 1922. Serial No. 548,006. 12 Claims. (Cl. 123—146.5.)



1. The combination, with the spark plugs of a multi-cylinder internal combustion engine, a source of electrical energy, a primary winding and a secondary winding, a circuit including the said source and the primary winding, and a circuit including the secondary winding and the spark plugs in succession, of a lock comprising a plurality of switch posts, a movable plate, switch plugs carried by said plate and movable toward and from said posts, said plugs and posts being in the first mentioned circuit, a second series of switch posts corresponding in number to the spark plugs, switch plugs movable toward and from said posts and each adapted to engage one of the first mentioned plugs thereby to move it into contact with its post, and a plurality of switch plugs resembling the second mentioned switch plugs and each adapted when moved to ground the primary circuit.

1,487,882. HARVESTER ATTACHMENT. DELBERT H. PARKER, Prescott, Wash. Filed July 20, 1920. Serial No. 397,639. 5 Claims. (Cl. 198—167.)



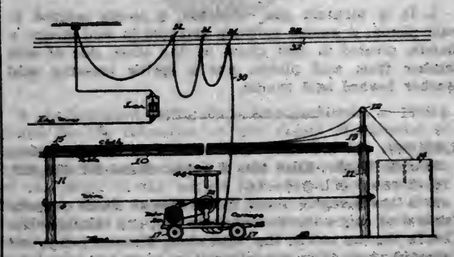
1. An attachment for a harvester comprising a draper, a series of beaters arranged above the draper, with the beaters overlapping so as to prevent mixed mass of grain and weeds from being carried around on the beaters.

1,487,883. COMESTIBLE CONTAINER. PAUL W. PETERSEN, Bay City, Mich. Filed Apr. 16, 1923. Serial No. 632,275. 15 Claims. (Cl. 62—170.)



12. The method of treating a container of fibrous material to be used for the storage of frozen comestibles which comprises first immersing the container in a bath of water for a sufficient period to saturate the fibre, second, subjecting the container to a freezing temperature, third, again immersing the container when empty in a bath of water, and then subjecting the container to a freezing temperature.

1,487,884. CARRIAGE FOR LAYING CLOTH. JOSEPH A. POIRIER, Woonsocket, R. I. Filed July 21, 1922. Serial No. 576,623. 6 Claims. (Cl. 104—235.)



1. A device for laying cloth comprising a cloth table, a wheeled carriage, guide-ways therefor adjacent said table, a motor on said carriage effective to propel said carriage along said guide-ways, and foot operated con-

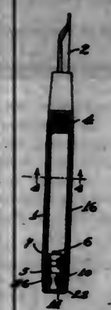
trolling devices for said motor, said devices comprising forward and reverse switches, means to close each switch and means to prevent simultaneous closing of both switches.

1,487,885. FASTENING DEVICE. SYLVESTER RAPHAEL, Brooklyn, N. Y. Filed Mar. 18, 1922. Serial No. 544,904. 2 Claims. (Cl. 220—55.)



1. In a fastening device for a receptacle having a closure provided with at least one opening, the combination of a support having an attaching member whereby the former may be secured to the receptacle and a resilient member extending therefrom, and having an opening therein in registry with the opening in the closure, the material adjacent said opening in said resilient member being slit away therefrom for a sufficient distance to provide yieldable engaging members, and a fastening member adapted to enter said openings in the closure and said resilient member and having means thereon for positively engaging with said engaging members.

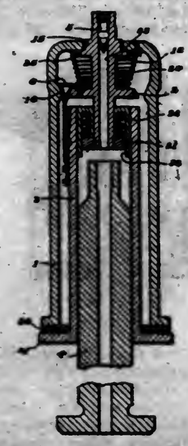
1,487,886. FOUNTAIN PEN. RUDOLPH C. RETTIG, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,561. 6 Claims. (Cl. 120—47.)



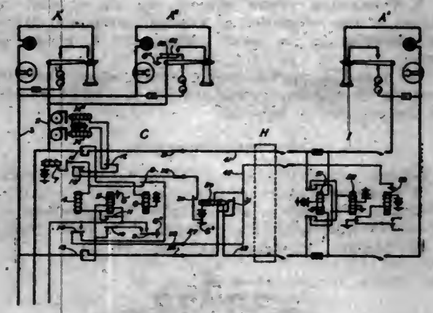
1. In a fountain pen, a piston, a sleeve secured to said piston, a washer movably mounted in said sleeve, a handle pivoted in said sleeve on the other side of said washer from said piston, and a spring pressing said washer toward said handle.

1,487,887. LOW-PRESSURE ALARM. JOHN M. RICH, Seattle, Wash. Filed May 2, 1923. Serial No. 636,152. 6 Claims. (Cl. 116—34.)

5. A low pressure alarm for tire valve stems comprising a dust cap, a stem within said cap, and slidable relative to the cap and to the valve stem, means for supporting said stem from the valve stem, a spring acting to move said stem in opposition to pressures within the valve stem, a releasable lock carried by said movable stem, a catch for normally holding said cap immobile relative to the valve stem, and engageable normally by said lock, said lock and stem being operable under the influence of said spring to release said catch upon decrease of pressure below a predetermined minimum, and resilient and yieldable means for loosely supporting the cap from the valve stem after release of said catch.



1,487,888. MEASURED-SERVICE TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1919. Serial No. 338,878. 12 Claims. (Cl. 179—9.)



1. In a telephone system, a two party line, a meter at the exchange normally connected for registering calls from one of the stations on said line, a second meter for registering calls from the other station, a meter selecting relay for switching the connection from one meter to the other, full metallic and ground return circuits closed at the two stations, respectively, when calling, for controlling said relay, means at the corresponding station for opening the ground circuit during conversation, and means controlled by the response of the called subscriber for operating the connected meter.

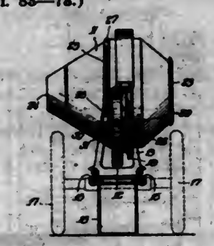
1,487,889. ADVERTISING DEVICE. GUSTAVE C. RICKARBY, Richmond Hill, N. Y. Filed Feb. 14, 1923. Serial No. 618,886. 3 Claims. (Cl. 40—130.)

1. An advertising device comprising a housing, translucent panels within the housing in spaced relation to the top, bottom and side walls, said walls and panels forming chambers, permanent plates partially overlying the front open sides of the chambers, a transparent door for closing the front of the housing, the door frame being so arranged as to co-operate with the permanent panels



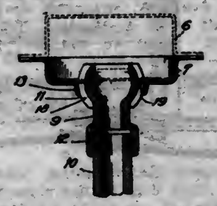
in completely closing the chambers, illuminating means within said chambers and means in the rear wall of the housing for supporting advertising and news matter.

1,487,890. TILTING MECHANISM. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 16, 1923. Serial No. 632,800. 10 Claims. (Cl. 83—73.)



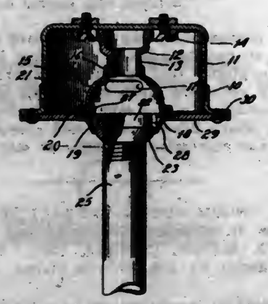
1. In combination with a tilting concrete mixer or the like, tilting mechanism comprising a lever and a link pivotally connected together, one of said members being pivotally connected to a fixed mixer support and the other being pivotally connected to a swinging portion of the mixer, and means limiting pivotal movement between the lever and link at a point in their movement beyond a dead center.

1,487,891. OUTLET BOX. AXEL RYDEN, Chicago, Ill., assignor to Appleton Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 3, 1920. Serial No. 407,884. 2 Claims. (Cl. 240—85.)



1. The combination in an outlet box, of a cover plate having a portion stamped to provide a socket on the inside of said box, a sheet metal plate adapted to be fitted over said socket on the inner side of said cover plate, one of said plates being provided with tongues stamped therefrom and the other of said plates being slotted to receive said tongues, said tongues being adapted to be bent to detachably secure the plates together, said cover plate being provided with an opening in said socket to receive the stem of a lighting fixture having connection with said outlet box, said opening being larger than said stem to permit free universal movement of said stem therein, a spherically conformed head movably mounted in said socket adapted to be secured to said stem, said head being provided with a groove extending circumferentially in the periphery thereof in line with said stem, said sheet metal plate having a lug stamped therefrom to engage in said groove to prevent rotative movement of said head and stem relative to said socket but permitting universal swinging movement thereof.

1,487,892. OUTLET BOX. AXEL RYDEN, Chicago, Ill., assignor to Appleton Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 14, 1921. Serial No. 469,742. 7 Claims. (Cl. 240—85.)



1. In combination with an outlet box having a fixture supporting bracket, a fixture connection comprising a shell rigid with said support and having lateral openings therethrough, a socket member fixed to said shell, an annulus rigidly positioned in said shell having a plurality of notches formed on its inner periphery, an axially apertured ball element supported in said socket, and a plurality of lugs on the ball element adapted to engage said notches, said ball element being adapted to receive a tubular fixture in rigid relation therewith.

1,487,893. DRYING DRUM. GEORG SAUBER, Uerdingen-on-the-Rhine, Germany, assignor to the Firm Büttnerwerke, Aktiengesellschaft, Uerdingen-on-the-Rhine, Germany. Filed Aug. 24, 1921. Serial No. 494,858. 4 Claims. (Cl. 34—6.)



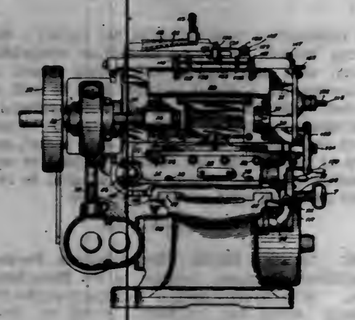
4. An improved drying drum with partitions or lifting blades for the formation of thin sheets of material to be dried, comprising, in combination with the rotatable drum, partitions arranged in the longitudinal direction of the drum having narrow transverse slots at short distances apart through which the drying material flows in thin sheets at right angles to the direction in which the heating gases flow through said drum, rings of sheet metal near the mantle of the drum standing transversely to said lifting blades and forming an obstacle to the heating gases near the mantle of the drum and forcing them to flow through the middle part and consequently through the sheets of material.

1,487,894. METHOD FOR MAKING PLASTER-BOARD LATH. JOHN SCHUMACHER, Los Angeles, Calif. Filed Aug. 6, 1923. Serial No. 656,011. 7 Claims. (Cl. 154—2.)



1. The process of making plaster board lath having a plurality of pockets adapted to receive intruding portions of a plaster coat in interlocking relation, which consists in advancing strips of covering sheets, slitting pocket openings in one of said sheets during its advance, supplying plastic filler between said sheets during their advance, and expressing said filler at said pocket openings.

1,487,895. WORM-WHEEL-GENERATING MACHINE. CHARLES H. SCHURR, Cleveland, Ohio, assignor to Hosea T. Bradner, Cleveland, Ohio. Filed July 3, 1919. Serial No. 308,623. 74 Claims. (Cl. 90—4.)

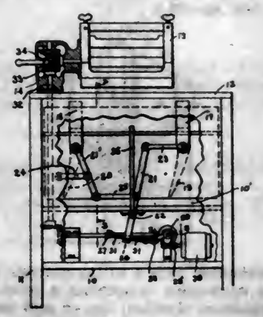


1. A worm gear wheel generating machine comprising a bed, a slide thereon, a blank carrier rotatably mounted upon said slide, another slide upon said bed, a hob rotatably mounted upon such second slide, a driving shaft, means connecting said shaft and hob for rotating the latter, means including indexing change gears for connecting said shaft and blank carrier to rotate the latter in predetermined harmony with the rotation of the hob, a feed driving member connected with said shaft, blank feed mechanism for actuating said blank carrying slide, hob feed mechanism, compensating mechanism adapted to connect said hob feed and blank rotation mechanisms, said compensating mechanism including a shaft having a projecting end and also including compensating change gears, a rotatable device adapted simultaneously to drive said hob feed and compensating mechanisms, said sleeve and device being connectable and dis-connectable with each other and with said blank and hob feed respectively.

25. A machine of the character described comprising a bed, a blank carrier rotatably mounted thereon, a hob rotatably mounted on said bed, means including indexing change gears and differential idlers for correlating the rotations of said blank carrier and hob, said differential mechanism including a rotatable housing supporting said idlers, a shaft, a driving sleeve splined to said shaft so as to be capable of rotating the same and sliding therealong, mechanism for feeding the hob along its own axis and adapted to be connected with said sleeve, compensating mechanism connecting said shaft and differential housing, and means for sliding said sleeve to break its connection with said feed mechanism.

50. A worm gear wheel generating machine comprising a frame, a work carrier mounted for rotatable and reciprocable travel thereon, a tool spindle mounted for rotatable and axial travel upon said frame, means for rotating said work carrier and tool spindle, mechanisms for accomplishing the travel of said carrier and spindle, respectively, a driving member, a clutch adapted to connect either of said travel mechanisms with said driving member, a cone of gears rotatably connected with said driving member, a shaft parallel to the axis of said cone, a tumbler rotatably connected with said shaft, means including a lever supporting said tumbler gear and adapted to swing it about or move it along said shaft for connecting said tumbler gear with any of said cone of gears, and additional speed change gears for determining the rate of rotation of said shaft.

1,487,896. WASHING MACHINE. OTTO R. SCHWANTES, Clintonville, Wis. Filed Oct. 24, 1921. Serial No. 509,887. 8 Claims. (Cl. 68—19.)



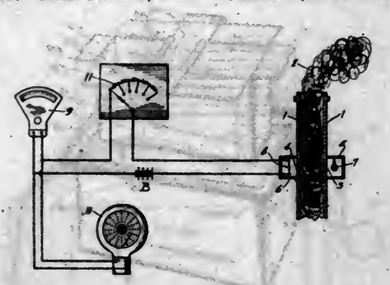
1. A washing machine of the class described comprising a container having opposite alined longitudinally extending rods near their top edges to form guideways, a perforated member disposed in the container and connected with said rods, and means connected with said perforated member to reciprocate said perforated member within the container.

1,487,897. GARMENT-SECURING MEANS FOR BELT BUCKLES. JAMES W. SHARBUTT, Troy, Tex., assignor of one-half to C. A. Maedgen, Troy, Tex. Filed June 9, 1923. Serial No. 644,383. 1 Claim. (Cl. 24—73.)



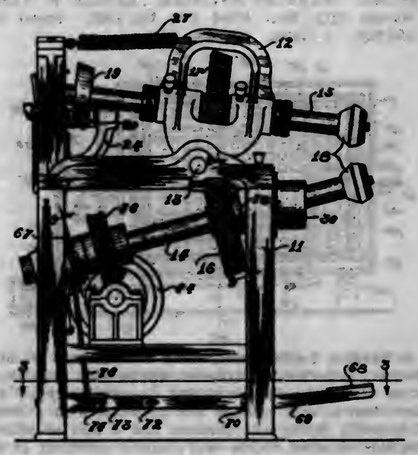
A garment belt structure comprising a strap, a buckle frame applied to the strap and having a loop, there being slots provided at the upper and lower sides of the frame and located under the loop and disposed at acute angles to the inner surface of the loop, the frame being provided at its inner wall with an upstruck portion, the surface of which is approximately parallel with the side edges of the slots, a pin movably mounted in the slots and disposed transversely across said upstruck portion of the frame, and a female securing member applied to the outer surface of the angularly disposed wall of the upstruck portion of the frame and adapted to engage a securing device carried by the garment.

1,487,898. SMOKE INDICATING AND RECORDING DEVICE. ROY C. STOLP, Chicago, Ill. Filed June 13, 1921. Serial No. 477,262. 11 Claims. (Cl. 284—1.5.)



1. The combination with a smoke flue of a source of light, a receptacle opening into the flue and operatively associated with said source of light, a second receptacle opening into the flue in alignment with said first receptacle, and an element which exhibits under the action of light a remarkable variation in electric conductivity associated with said second receptacle.

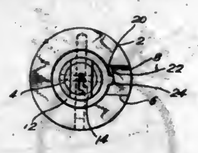
1,487,899. MACHINE FOR EMBOSSING ARTICLES. LEE STURGES, Elmhurst, and ALBERT J. BAYLES, Melrose Park, Ill., assignors to Solar-Sturges Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1923. Serial No. 630,234. 16 Claims. (Cl. 101—7.)



1. An embossing device for cans comprising a pair of shafts, an embossing roll on each shaft, and a circular support for the mouth of the can, the shaft carrying one of said rolls extending through said support.

1,487,900. PIN-TUMBLER LOCK. ERNEST L. TRICE, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed May 8, 1922. Serial No. 558,177. 5 Claims. (Cl. 70—46.)

1. A pin tumbler lock having, in combination, a pin tumbler lock case, means comprising a key operated plug adapted to be turned in opposite directions to a fixed angular position and permitting the removal of the key when the plug is in said position, and stopping devices comprising fixed stops on said pin tumbler lock case ar-



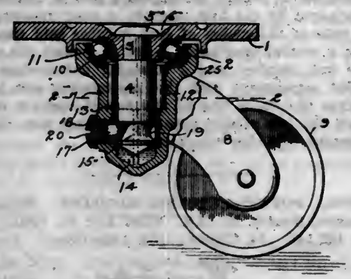
ranged exteriorly of and adjacent to the rear end of the lock case for preventing the plug from being turned in either direction beyond said position.

1,487,901. COMB. SAMUEL TRACHTENBERG, Cleveland, Ohio. Filed Sept. 28, 1923. Serial No. 665,381. 2 Claims. (Cl. 132—79.)



2. A comb having an extension upon its back in a longitudinal plane therewith, said comb and extension being stamped from the same sheet of material, said extension having a transverse opening therethrough, the peripheral wall of the opening being continuous, and a mirror frictionally held in the opening and removable through either end.

1,487,902. CASTER. FRANK C. TRIMBACH, Dayton, Ohio. Filed May 23, 1922. Serial No. 563,052. 14 Claims. (Cl. 16—20.)



1. In a supporting caster, a dependent trunnion stud, means for attaching the stud to the supported structure, a thrust bearing below which the stud extends in pendant relation a socket member within which the trunnion stud projects and in spaced relation with the bottom of which the stud terminates, the stud receiving recess in said socket member being extended downwardly beyond the extremity of the trunnion stud to form below the end of the stud a lubricant reservoir and sediment collecting chamber.

1,487,903. CLAMP. CHARLES VITEK, Omaha, Nebr. Filed Oct. 15, 1923. Serial No. 668,550. 8 Claims. (Cl. 24—19.)

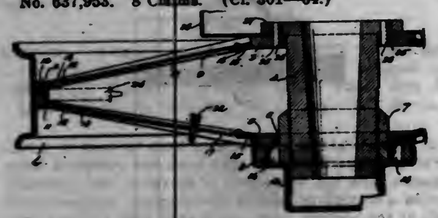
1. A clamp comprising a band of flexible material folded over itself and forming substantially a double circular band with an outer band portion and an inner band por-

tion, a part of the outer band portion adjacent the fold and the end of the outer band portion forming walls which are disposed at an angle to the circumference of



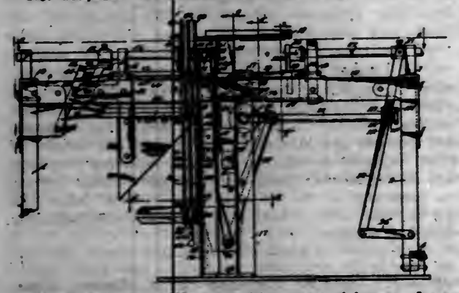
the intermediate part thereof, a tightening bolt extending between said walls, and a resilient member adapted for compression on tightening of said bolt.

1,487,904. WHEEL. HERBERT WALTERS and ROMAN A. HOLTZMAN, Detroit, Mich. Filed May 10, 1923. Serial No. 637,953. 8 Claims. (Cl. 301—64.)



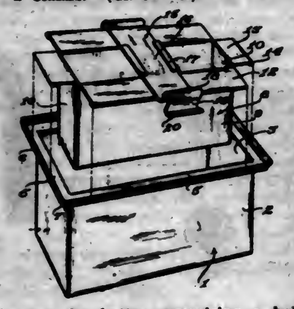
1. A wheel comprising a rim having an annular rib upon its inner periphery, a hub member, a body member having radial spokes integrally formed therewith, said spokes being connected at their outer ends by a ring adapted to engage one side of the rib and the inner surface of the rim, a second body member having radial spokes, a ring connecting the outer ends of the spokes and adapted to engage the opposite side of the rib from that engaged by the first member, a ring connecting the inner ends of the spokes of each member said rings each having a central opening of a size to permit the passage of the hub member, and a clamping nut having screw-threaded engagement with the hub member and adapted to engage the inner ring of the second member whereby to draw the two spoked members together into clamping engagement with the rib upon the rim.

1,487,905. POTATO-CUTTING MACHINE. WILLIAM L. WALTON, Bantry, N. Dak. Filed Apr. 18, 1921. Serial No. 462,144. 44 Claims. (Cl. 146—78.)



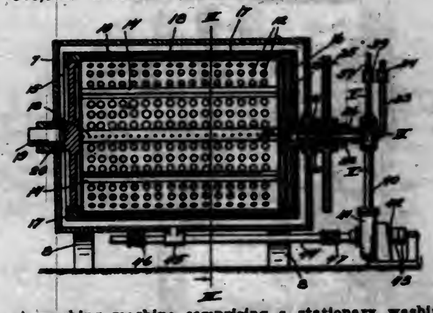
44. A potato cutting machine comprising a frame, means adapted to receive and to cut a potato of any size into equal parts and auxiliary knives automatically moved with respect to the potato for cutting each part into a plurality of equal parts.

1,487,906. BAKE PAN. JOHN R. WHITE and JAMES G. ELS, Dallas, Tex. Filed July 27, 1922. Serial No. 577,905. 2 Claims. (Cl. 53—6.)



1. A bake pan for batter comprising a hollow body open at its top and provided at said top with an outstanding flange and an upstanding ledge along said flange, a hollow core removably disposed within the body and provided at the upper portion of its walls with outstanding flanges adapted to fit closely within said ledge and rest upon said body flange whereby to suspend the core within the body and center the same with relation thereto in order to form a chamber for the batter between the body and the core, and a member extending across the top of said core and being secured to the flanges thereof and having projecting terminal portions providing locking tongues engageable with said body flange and thereby holding the core firmly down in said hollow body.

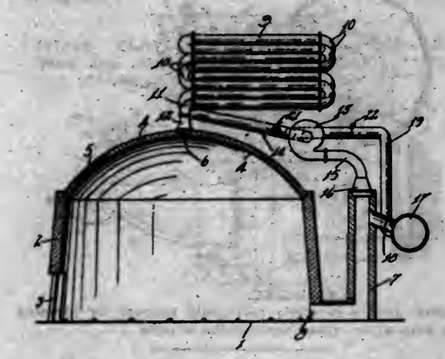
1,487,907. WASHING MACHINE. RICHARD W. YATES, Kansas City, Mo. Filed Oct. 10, 1921. Serial No. 506,802. 1 Claim. (Cl. 68—18.)



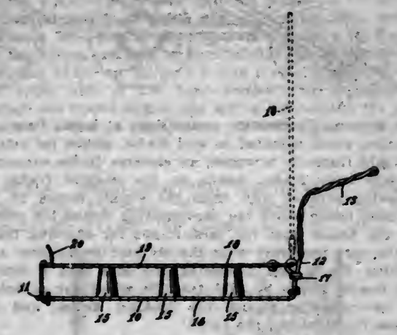
A washing machine comprising a stationary washing chamber, a perforated cylinder within said chamber, a series of hollow slats arranged longitudinally of the inner face of said cylinder and provided with a series of inwardly facing jet openings, and a pair of spiders rotatably mounted within said chamber exteriorly of the end walls of said cylinder and supporting the latter, one of said spiders being hollow and having an axial fluid inlet connection; said slats projecting beyond the end walls of said cylinder and having the passages therethrough inturned at one end for registering with the several arms of said hollow spider, and the end walls of said cylinder being formed with peripheral notches or recesses for accommodating the projecting ends of said slats.

1,487,908. PROCESS AND MEANS OF COOLING KILNS. THOMAS CARLTON ALBIN, Manistique, Mich. Filed Feb. 15, 1923. Serial No. 619,226. 7 Claims. (Cl. 202—11.)

1. The herein described means for cooling a charcoal kiln having a scuttle hole and a chimney, which comprises a cooling pipe arranged to be connected at one end with the scuttle hole of the kiln, a suction fan having its intake port connected with the opposite end of said intake pipe, and its outlet port arranged to be connected with the chimney of said kiln.



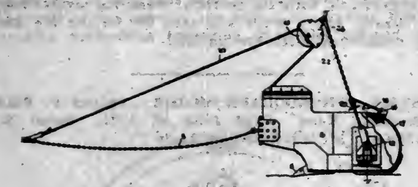
1,487,909. DOUGHNUT HOLDER. HARRY D. ANDREWS, Cheyenne, Wyo. Filed Apr. 15, 1922. Serial No. 552,940. 2 Claims. (Cl. 53—7.)



2. A device of the character described comprising a supporting member formed as a circular frame covered with wire screen and formed at one side with an upwardly extending U-shaped handle formed integral with the frame and having its terminal portions coiled thereabout, the base portion of the handle being formed with a loop, a plurality of upstanding cores of a post like nature arranged upon said support and adapted to have doughnuts disposed thereupon, a circular top member formed as a frame covered with wire screen adapted to lie upon the upper ends of said cores, links pivotally connecting said last named member with the handle, one of said links engaging within said loop and a catch for holding said last named member in position.

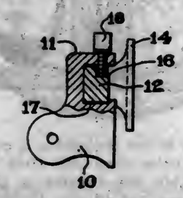
1,487,910. DRAG-LINE-BUCKET CLEANER. ERNEST LEE BARTMESS, Pekin, Ill. Filed May 16, 1923. Serial No. 639,432. 9 Claims. (Cl. 37—185.)

1. The combination of a drag line bucket having a curved rear end wall provided with slots, a cleaner bar in contact with the curved rear wall of the bucket and having arms extending through the slot, and a spreader member overhanging the bucket and arranged in the



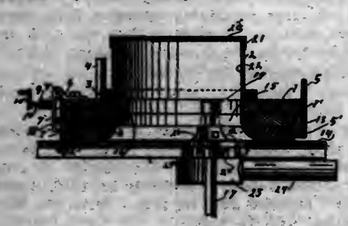
path of travel of said arms whereby to positively move the arms and the cleaner bar rearwardly when the bucket is tilted.

1,487,911. SHADE BRACKET. FRANCIS J. BAYOK, Perth Amboy, N. J. Filed May 22, 1922. Serial No. 562,788. 1 Claim. (Cl. 156—34.)



In combination, a window shade bracket of U-shaped formation in plan, and terminating to provide offset attaching flanges adapted to bear against the window casing, the intermediate portion of said bracket being reduced along its upper edge to provide a right angularly disposed shoulder on the inner side thereof, a shade roller bracket designed to provide an L-shaped extension rising from said bracket and slidably supported on the intermediate portion of the first mentioned bracket, a lug rising from the shade roller bracket and contacting the inner side of said intermediate portion of the window bracket to assist in holding the parts associated, and a threaded element carried by the horizontally disposed branch of said L-shaped extension formed on the shade bracket, and adapted to be positioned between and bearing against the right angularly disposed shoulder to hold the shade bracket fixed in any given position with relation to the window bracket.

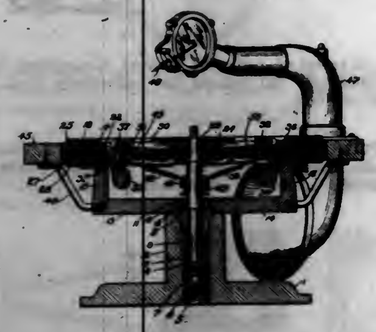
1,487,912. SHAPER GUIDE. JOHN J. BEHM, Grand Haven, Mich. Filed Dec. 1, 1922. Serial No. 604,297. 2 Claims. (Cl. 144—145.)



1. In combination with a guide for shaping the openings in toilet seats, a form body having stationary spurs at one end for engaging the edge of the material to be shaped, an adjustable spur pivotally mounted above the edge of the base at the other end and extending down-

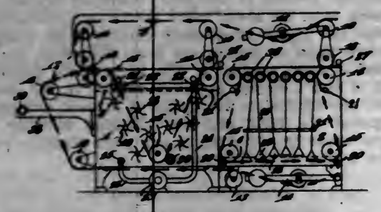
wardly into position so the points may be made to penetrate the edge of the material to be shaped, and a spring chambered in the base in position to force the spur out of engagement with the material when its pivotal body is released, and a screw and rack for forcing the spur into engagement with the material.

1,487,913. PHONOGRAPH MOTOR. PERLEY P. BELT, Fredonia, Kans. Filed June 10, 1921. Serial No. 476,476. 3 Claims. (Cl. 172—36.)



2. A phonograph motor comprising a rotatable disk, a channel shaped annulus suspended from the disk, magnetic material within the annulus, a circular magnet within the space confined by the annulus having pole pieces adjacent thereto and braking means carried by the turntable and movable into functional position in response to the speed thereof.

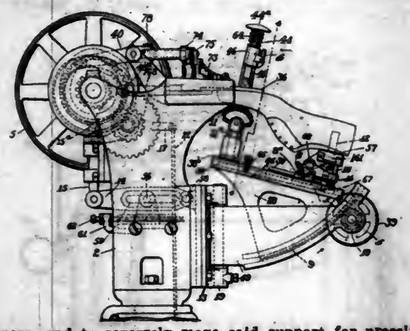
1,487,914. WASHING PROCESS AND MACHINE. JOSEPH LEIGH BOOTH, Virginia, Minn. Filed Mar. 12, 1923. Serial No. 624,577. 5 Claims. (Cl. 68—23.)



1. A process of cleaning fabrics which consists in passing the fabric over endless conveyors through a plurality of tanks containing cleansing fluid, removing the excess fluid in the passage from one tank to the next and subjecting the fabric to a current of air in its passage from one tank to the next.

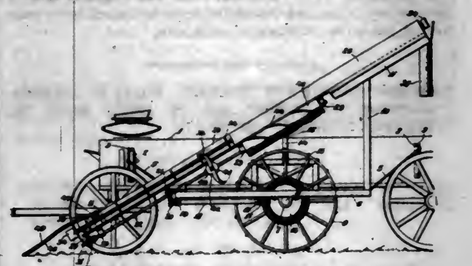
1,487,915. UPPER-SHAPING MACHINE. ELI BROTHERS, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 28, 1916, Serial No. 111,946. Renewed Feb. 16, 1922. Serial No. 537,121. 47 Claims. (Cl. 12—14.)

1. A machine of the class described having, in combination, a shoe support, shoe end-embracing wipers, upper clamping means, and power-operated mechanism for operating said clamping means to clamp an outspread portion of a shoe upper against the wipers, to move the shoe support for stretching the clamped upper, to advance the wipers over the shoe and pull a portion of the stock out from between the clamping means and



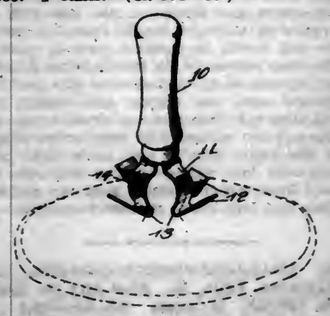
wipers, and to reversely move said support for pressing the over-wiped upper against the wipers.

1,487,916. CORN HARVESTER. MILLARD K. BROWN, Eagle Grove, Iowa. Filed July 19, 1921. Serial No. 485,932. 4 Claims. (Cl. 56—117.)



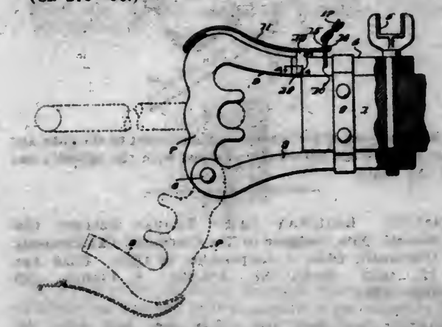
1. A corn harvester comprising a main frame, a traction wheel mounted in said frame, means for attaching said frame to a wagon, an elevator frame supported on said main frame, means on the elevator frame for removing ears of corn from the stalks, means on the elevator frame above the ear-removing means for removing the husks from the ears, means for effecting travel of the ears upwardly over the elevator frame past said husking means and delivering the ears into a wagon, and means driven by said traction wheel for actuating the ear-removing means, the husking means, and the means for elevating the corn.

1,487,917. KITCHEN UTENSIL. PERLEY W. CAMERON, West Haven, Conn. Filed Apr. 4, 1923. Serial No. 629,889. 1 Claim. (Cl. 294—33.)



A kitchen utensil, comprising a handle provided at one end with a plurality of longitudinally extending arcuately curved resilient fingers, the free ends of the fingers being spaced and provided with outwardly directed angular extensions disposed at an acute angle to the handle.

1,487,918. CLEVIS. ANDERSON CARTER, Stallo, Miss. Filed Jan. 26, 1923. Serial No. 615,175. 1 Claim. (Cl. 278—96.)



A clevis including a fixed section and a movable section which is hingedly secured to the fixed section, each of said sections having arms, the lower arm of the fixed section being of a greater length than the upper arm thereof, and the swinging section being hingedly secured to said lower arm, the swinging section having an arm directed toward the upper arm of the fixed section, said arm having a reduced end, the arm of the fixed section having a socket to receive said end thereof, a flat arched spring secured to the said arm of the swinging section having a hook portion terminating in a lip, a lip formed on the upper arm of the fixed section to be engaged by the hook of the spring, and a ring pivotally secured upon the upper arm of the fixed section and swingable to engage the lipped end of the spring for holding the hook portion thereof in engagement with the lip of said arm.

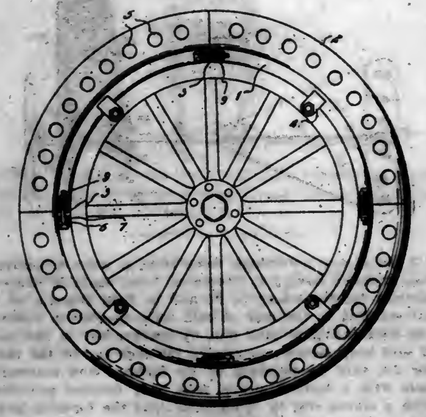
1,487,919. SEED-DROPPING MECHANISM. EUGENE M. COLE, Charlotte, N. C. Filed Sept. 20, 1920. Serial No. 411,420. 19 Claims. (Cl. 221—135.)



1. The combination with a hopper having a discharge outlet near its upper portion, of an inclined rotary device in said hopper having seed selecting means near its periphery for elevating seeds to the outlet, and a fixed guard disposed adjacent said device, but spaced radially inward from the seed selecting means, and adapted to restrain the upward movement of the bulk of unselected seeds.

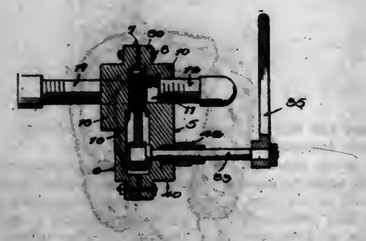
1,487,920. EMERGENCY TIRE. LAWRENCE J. DAWSON, Kansas City, Mo. Filed Oct. 16, 1922. Serial No. 594,866. 1 Claim. (Cl. 301—39.)

An emergency tire of the character described comprising a segmental rim, channel shaped ears adapted to be arranged in pairs when the sections of said rims are associated and formed on each end of said section, angle bent walls formed on one edge of each ear and the wall of one ear of each pair being provided with a notch and the wall of the opposite ear having an opening therein, parallel projections extending from the notched wall



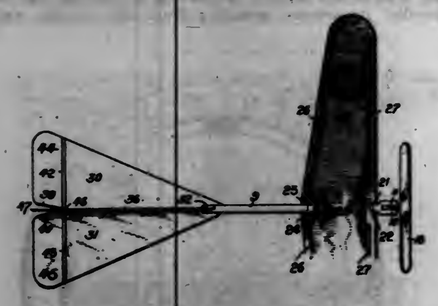
extending outwardly from the notched wall and a bolt arranged in each pair of ears and having its head end underlying the projections and its opposite end passing through the opening of the companion ear as and for the purpose specified.

1,487,921. VALVE. JACOB M. DRISCH, Nappanee, Ind. Filed Mar. 17, 1922. Serial No. 544,566. 1 Claim. (Cl. 251—18.)



A valve of the character specified comprising a pair of substantially triangular coacting plates having inwardly directed opposed shoulders of arcuate formation, one of the plates being provided with an inlet opening having its inner end flared and extended through the adjacent shoulder and being of arcuate formation, the other plate being provided with spaced outlet openings extending through one of the shoulders, a swinging arm mounted between said shoulders, disk-shaped heads arranged on opposite sides of said arm and having inwardly directed telescoping annuli slidably extending through the arm, a coiled spring confined between said disk-shaped heads and urging the same into engagement with said opposed shoulders, means whereby said arm may be operated, the outer edges of said coacting plates being provided with offset connecting flanges maintaining the shoulders in spaced relation to permit of the free swinging of said arm, one of the heads being flatly in contact with the adjacent shoulder and straddling the said arcuate opening.

1,487,922. TOY AEROPLANE. ALFRED DESPANG, Brooklyn, N. Y. Filed Sept. 23, 1921. Serial No. 502,803. 12 Claims. (Cl. 244—14.)



3. In a toy aero-plane comprising a unitary central body member having a bifurcated head, suitable shaped cavities for the wings to fit and be held therein, of a slit pointing to the rear of said body member to receive and hold the stabilizing fins, of another slit in the end of said body member to receive the rear end of the rudder fin, said fin provided at its forward and rearward ends with a locking means, said body member provided with a zigzag slot to receive and hold the forward locking means, of a tail skid located between said end and said locking means, of means for locking a chassis to the underside of said body member, of a propeller mounted on a shaft carried by a bracket and means stretched between the propeller shaft and the tail skid to cause the propeller to revolve.

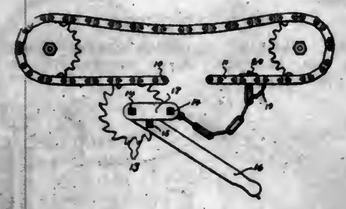
1,487,923. BUOYANT DEVICE FOR SWIMMERS. JOHN A. DE VILBISS, St. Louis, Mo., assignor to George Kapp, St. Louis, Mo. Filed July 7, 1923. Serial No. 649,980. 5 Claims. (Cl. 9—17.)



1. A buoyant device of the kind described, consisting of a shaped casing constructed of substantially yoke-shaped pieces of light-weight fabric, a straight elastic tube in said casing of less length than the linear length of the casing when deflated and adapted to be inflated so as to conform to the shape of the casing and hold same distended, means for connecting one end of the casing to one end of said tube which terminates inside of the casing, and means at the opposite end of said tube for enabling said tube to be inflated and deflated.

1,487,924. BELT PULLER. DANIEL DOYLE, Verona, Calif. Filed Sept. 12, 1921. Serial No. 500,144. 1 Claim. (Cl. 254—78.)

A tool of the class described comprising a circular head, an operating handle carried by the head, teeth extending radially therefrom for engagement with the links at one end of a chain, a yoke pivotally secured to the head and



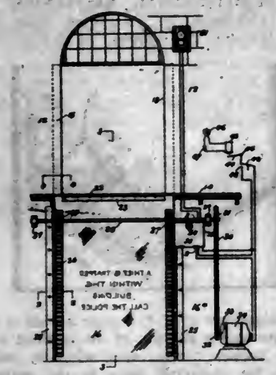
a flexible element having one end connected to the yoke and the opposite end detachably engaged with the opposite end of the chain.

1,487,925. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,653. 8 Claims. (Cl. 105—399.)



1. In a car, the combination with a belt rail and posts inward thereof, of a pier plate secured to the belt rail and having its side margins extended inward and secured to said posts.

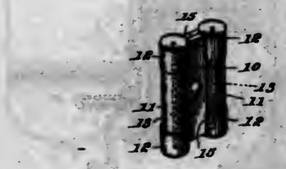
1,487,926. BURGLAR-TRAPPING APPARATUS. THOMAS D. EVANS, Phoenixville, Pa. Filed Jan. 26, 1922. Serial No. 531,835. 7 Claims. (Cl. 20—1.01.)



1. The combination with a building having a floor with an opening therein and a doorway above the opening, of a door movable upward through said opening, said door having resilient deflecting means thereon lying flat with said floor for closing said opening when the door is in lowered position; substantially as described.

3. The combination with a building having a floor with an opening therein and a doorway above the opening, of a door movable upward through said opening, means operative to raise said door, a switch controlling said means, an alarm sounding means, a switch controlling said sounding means, and means for locking the door in said raised position, said means operative when the door is in its lowered position to close said first switch and movable when the door is raised to permit opening of said first switch and effect closing of said second switch.

1,487,927. FUSE. HARRY E. EWING, Uniontown, Pa. Filed Mar. 5, 1923. Serial No. 622,981. 2 Claims. (Cl. 200—125.)



2. A fuse of the character described comprising a sheet of insulating material having opposite edges rolled to define bores, fuse wires within said bores, heat insulating fillings within the bores around the wires, and metal caps engaged exteriorly upon the rolled edges for closing the bores and for retaining said rolled edges in shape.

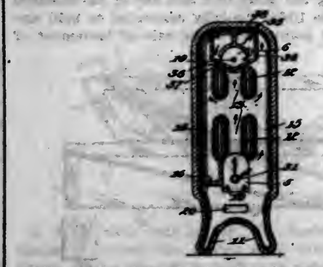
1,487,928. WINDOW FIXTURE. STENCEL FILIPEK, Westview, Ohio. Filed May 11, 1920. Serial No. 380,626. 1 Claim. (Cl. 156—24.)



A window fixture of the character described comprising an angle bracket including a horizontal part for supporting the bracket and having its upper and lower edges bent to form a channel, a vertical limb forming a continuation of a portion of the upper side edge and rising from one end of the horizontal part, a forward extension arranged at right angles from the upper end of the vertical limb and being provided with a curved extremity to receive a curtain pole, a reduced portion terminating from the curved extremity and being rounded upon itself, a latch pivotally carried by the reduced portion and having its free ends received in spaced openings formed in the forward extension, and an angle shaped shade roller holder adjustably secured in the channel of the horizontal part.

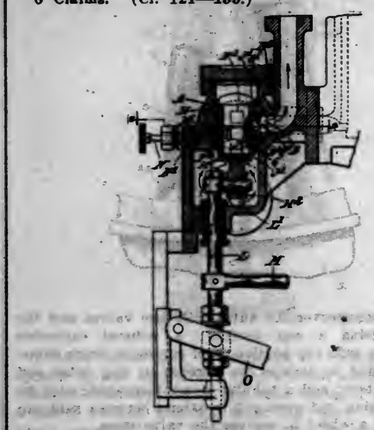
1,487,929. GAS RADIATOR. HERMAN J. FISHER and ARTHUR BETZ, Pasadena, Calif., assignors to Crown Gas Radiator Company, Pasadena, Calif., a Corporation of California. Filed Nov. 15, 1922. Serial No. 601,010. 13 Claims. (Cl. 126—91.)

1. In a radiator of the character described, a vertical section having three circulating columns communicating with one another intermediate their ends, a burner in the lower part of the section, there being an air intake opening in the lower portion of said central column and an air vent opening in the upper portion of the same, a partition extending over said vent opening and cutting off direct communication of the front and rear columns therewith, and a U-shaped partition having its base arranged across the intermediate communicating portions of the three columns, the arms of said U-shaped partition ex-



tending upward in the front and rear columns to points opposite said partition arranged over the vent opening for the purpose specified.

1,487,930. DISTRIBUTING VALVE FOR STEAM ENGINES. ANDREW FORSTER, Cowes, Isle of Wight, England, assignor to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England, a Company of Great Britain. Filed Oct. 11, 1921. Serial No. 507,090. 6 Claims. (Cl. 121—159.)



6. In a distributing valve for steam engines the combination of a steam chest having a cylindrical bore therein communicating with the main cylinder ports, a substantially hollow ported cylindrical steam-actuated piston valve adapted to reciprocate therein, said piston valve also having a ported transverse cylindrical bore formed in it, a hollow ported auxiliary valve mounted in said transverse bore and having openings through which steam is constantly admitted to the interior of said auxiliary valve, and means for reciprocating the auxiliary valve within its bore at right angles to the path of the piston valve so as to control the supply of steam to the interior of the piston valve and through the ports therein to the main cylinder ports, said means also permitting the auxiliary valve to oscillate about its own axis under the reciprocation of the main valve as set forth.

1,487,931. DAY BED. WILLIAM E. FRANK, St. Louis, Mo., assignor to Foster Brothers Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 1, 1922. Serial No. 604,340. 5 Claims. (Cl. 5—22.)

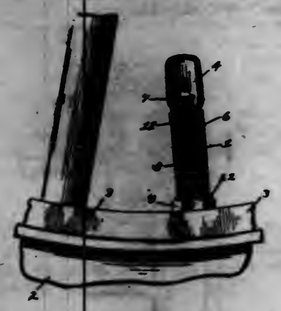
1. A day bed, comprising a stationary section, an extensible section adapted to be arranged in superimposed relation with said stationary section when the bed is closed and in an extended position in front of said stationary section when the bed is open, rock levers on said

stationary section pivotally connected to said extensible section for moving the same into and out of its extended position, and guide links pivotally connected to said stationary section at points below the axis of movement of



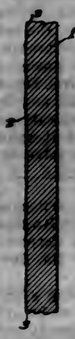
said rock levers and pivotally connected to said extensible section at points above the pivotal connections between said levers and extensible section.

1,487,932. VALVE-STEM COVER. OSCAR FRANK GUPPIN, San Francisco, Calif. Filed Sept. 21, 1922. Serial No. 589,677. 1 Claim. (Cl. 152—12.)



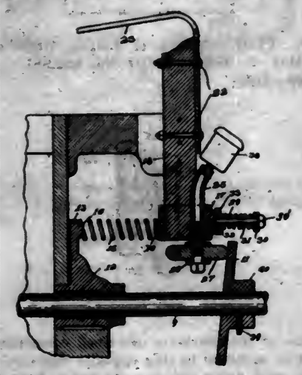
A valve stem cover for automobile tire valves and the like comprising a cap portion; a reduced extension formed upon said cap portion, said extension being internally threaded to engage the threads at the outer end of a valve stem; and a tubular member engaging said reduced extension and arranged to extend between said cap portion and a wheel to enclose the valve stem.

1,487,933. RAZOR STROP. CHARLES B. GOODWIN, Santa Ana, Calif., assignor to W. E. Ownby, Winthrop, Iowa. Filed Apr. 14, 1920. Serial No. 373,985. 2 Claims. (Cl. 51—200.)



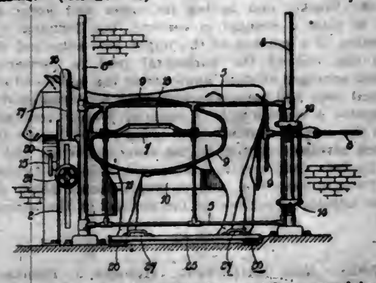
1. A razor strop consisting of a leather strap having a polished condensed crinkled surface.

1,487,934. AGITATOR. AARON P. GOULD, Northwilkesboro, N. C., assignor to W. C. Meadows Mill Co., Northwilkesboro, N. C. Filed Aug. 27, 1920. Serial No. 406,378. 1 Claim. (Cl. 74—14.)



In a device of the character described, a support, a bearing forming a part of the support, said bearing having an upwardly extended arm formed with a boss, a power shaft extending through the bearing, a disk adjustably supported on the power shaft and having its side faces disposed at angles with respect to the power shaft, a pivoted arm supported by the support and having its lower end disposed adjacent to the disk, a collar on one end of the arm, and carrying a boss, a coiled spring positioned between the boss of the collar and the boss formed on the arm of the bearing, a wheel mounted at the lower end of the arm and adapted to engage the disk, to impart movement from the disk to the arm, an arm bearing against the collar, and a coiled spring for holding the last mentioned arm into engagement with the collar whereby reciprocating movement of the collar and arm supporting the collar will result in a relative movement of the last mentioned arm.

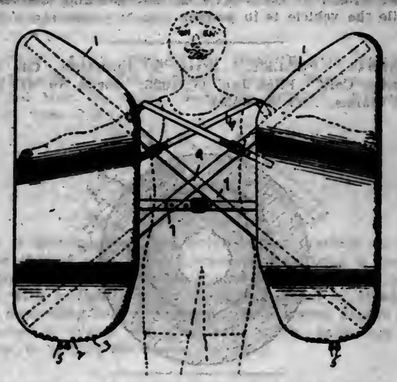
1,487,935. APPARATUS FOR SLAUGHTERING CATTLE. BERTRAM PARROTT GRAY, Sutton Coldfield, England. Filed Aug. 21, 1923. Serial No. 658,623. 13 Claims. (Cl. 17—1.)



1. Apparatus for slaughtering cattle comprising in combination a stall, means movable laterally against the side of the body of the animal; means movable against the rear of the body of the animal; and means for holding the head and neck of the animal stationary during slaughtering operation.

1,487,936. LIFE-SAVING DEVICE. CHARLES B. GRIMM, Chicago, Ill. Filed Mar. 12, 1923. Serial No. 624,666. 3 Claims. (Cl. 9—21.)

1. In a device of the character described, comprising a pair of wings, a pair of air chambers positioned in each of the wings, means for supporting the wings on the body of a swimmer, and means for holding the wings



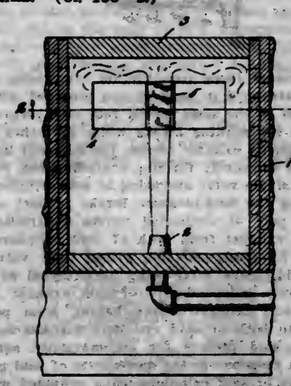
in an extended position on each side of the body of the wearer when using the device as a life saving means.

1,487,937. EXTENSION CORD. LOREN A. GRIFFIN, Evanston, Ill. Filed Dec. 10, 1921. Serial No. 521,424. 3 Claims. (Cl. 173—324.)



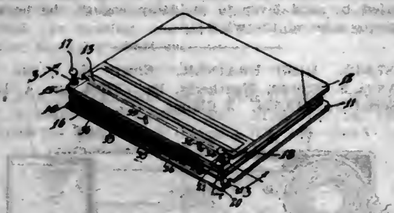
3. An extension cord comprising conductors insulated from each other and formed into a twisted pair, a contact block, socket contacts in said block, means joining the adjacent ends of said conductors to said contacts respectively, another contact block, plug contacts in said block, means joining the opposite ends of said conductors to said plug contacts respectively, flexible anchor members extending from each of said blocks parallel with the said conductors, and a covering of flexible waterproof material molded about and closely adhering to said conductors, blocks and anchor members to form an integral whole.

1,487,938. FIRE BOX. ANDREW J. HABERMACHER, Fort Worth, Tex. Filed Mar. 3, 1922. Serial No. 540,906. 2 Claims. (Cl. 158—1.)



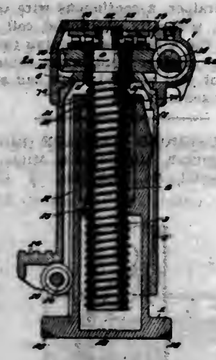
1. In an oil burning furnace having a splash wall at one end, means spaced from the splash wall for directing a fire blast against the splash wall, and an air intake port in the bottom of the furnace, of a bridge extending over the port below the line of the fire blast.

1,487,939. LOOSE-LEAF BINDER. CHARLES R. HADLEY, Los Angeles, Calif. Filed Dec. 14, 1922. Serial No. 606,828. 7 Claims. (Cl. 129—18.)



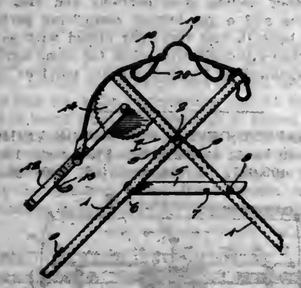
1. In a loose leaf binder, the combination of covers, means to clamp the covers upon loose leaves therebetween, means adapted to engage in notches in the leaves, and means operatable by movement of a portion of the clamping means to effect movement of the notch-engaging means.

1,487,940. SCREW JACK. WILLIAM S. HALSEY, Dover, N. J. Filed June 23, 1922. Serial No. 570,456. 7 Claims. (Cl. 254—103.)



1. In a screw jack, a standard, a vertical screw to operate in said standard, a head on said screw of greater diameter than said screw and constituting a journal and a sleeve around said standard, the upper end of said sleeve constituting a journal bearing for said journal.

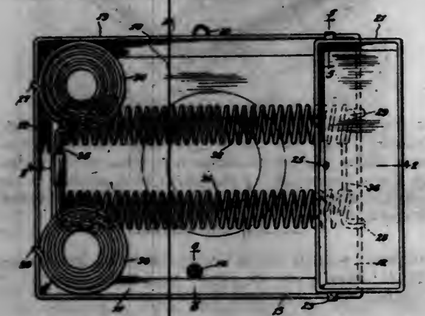
1,487,941. OPERATING RACK. EDWIN DE YAUNY HAMMETT, Huntsville, Mo. Filed Apr. 9, 1923. Serial No. 630,939. 4 Claims. (Cl. 119—103.)



4. A device of the class described comprising a support on which an animal is held upon his back, a resilient metal strap connected at one end to said support and adapted to pass across the animal's neck, a lever ful-

crumed on said support and connected with the other end of said strap for drawing the latter tightly in place, means for holding said lever, and a pair of spaced springs carried by said lever to yieldably engage the neck at opposite sides of the wind-pipe.

1,487,942. DISH DRAINER. EDWIN G. HINES and ANNA S. STOVER, Weatherly, Pa. Filed Apr. 4, 1922. Serial No. 549,544. 3 Claims. (Cl. 141—11.)



1. In a dish drainer, a continuous wire coiled to form horizontally and vertically positioned coil nests, hooks being formed on the wire for suspending the nests above the bottom of the drainer, said hooks being situated at the upper ends of said vertical nests and at the remote ends of said horizontal nests.

1,487,943. HOUSEHOLD GARBAGE BURNER. ALBERT C. HOLMQUIST, Minneapolis, Minn. Filed Apr. 23, 1923. Serial No. 633,826. 7 Claims. (Cl. 126—225.)



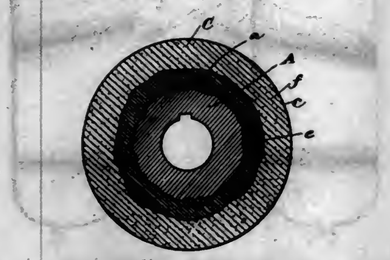
1. A household garbage burner having in combination, a suitable combustion chamber, a grate at the bottom of said chamber having open portions and also imperforate portions and a gas burner comprising perforated pipes spaced beneath and vertically alined with said imperforate portions and directly below the same having its gas outlets spanned by the imperforate portions of said grate.

1,487,944. SAFETY DEVICE FOR MOTOR VEHICLES. GEORGE E. HOWELL, Sterling, Ill. Filed Sept. 10, 1921. Serial No. 499,627. 5 Claims. (Cl. 280—89.)



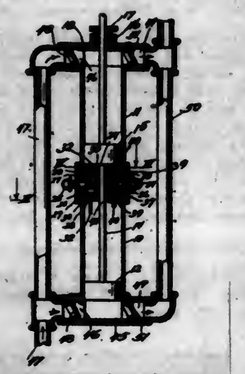
1. A safety device for motor vehicles including steering arms projecting at the front and rear of the front axle of the vehicle, and locking rods shiftable to engage said arms at opposite sides of the axle for locking the front wheels of the vehicle against swinging movement while the vehicle is in motion.

1,487,945. PULLEY. ISAAC N. JOHNSTON, Los Angeles, Calif. Filed Jan. 17, 1923. Serial No. 613,134. 2 Claims. (Cl. 64—45.)



1. A speed transmission pulley provided with end flanges and a surface and body material massed between the flanges and interlocked with the core and consisting of vulcanized rubber vulcanized harder adjacent the core than at its exterior portion.

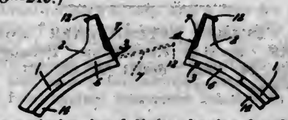
1,487,946. COMBINED FLUID-PRESSURE MOTOR AND PUMP. GEORGE W. JOHNSTON, St. Joseph, Mo. Filed Apr. 8, 1922. Serial No. 548,999. 1 Claim. (Cl. 103—52.)



A fluid pressure pump construction comprising a pair of cylinders arranged in tandem and provided with pistons connected to the same piston rod, each piston traveling through its working stroke while the other piston travels through its exhaust stroke, the adjacent heads of said cylinders conjointly forming a stuffing box for said piston rod, a single valve operating in said cylinder heads for controlling the fluid-pressure intake to both of said cylinders, a pair of connected valves controlling the fluid-pressure exhaust from both of said cylinders, said valves being all freely movable within their valve passages, and said intake valve being unconnected with and movable entirely independently of said exhaust valves, said intake and exhaust valves having stem portions projecting into both of said cylinders for alternate engagement by said pistons for automatically actuating said valves in response to the movements of said pistons, the outer ends of said cylinders being provided with inwardly opening check valves communicating with a common fluid intake connection and also with outwardly opening check valves communicating with a common discharge connection, whereby said cylinders are alternately filled with charges of fluid from said intake connection

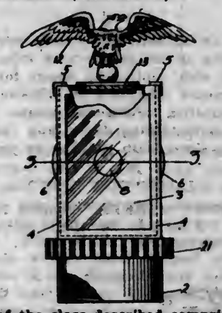
and said charges are alternately expelled from said cylinders into said common discharge connection in response to the movements of said pistons.

1,487,947. LINE-ATTACHING DEVICE FOR TRANSMISSION BANDS. JENKIN JONES, Newark, Ohio. Filed Mar. 28, 1923. Serial No. 628,308. 3 Claims. (Cl. 188—249.)



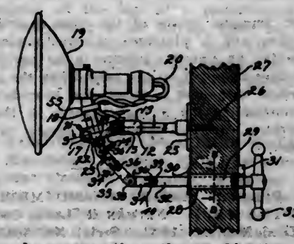
3. A transmission band lining having brackets at the ends thereof each of said brackets comprising a lining engaging plate having side flanges and provided at one end with a right angular member recessed to straddle the connecting bolt, and provided with lateral fingers positioned to engage the outer ends of the band lugs to assist in holding the device assembled.

1,487,948. RADIATOR-CAP LIGHT. ALFRED KANE, New York, N. Y. Filed May 25, 1923. Serial No. 641,436. 3 Claims. (Cl. 240—7.)



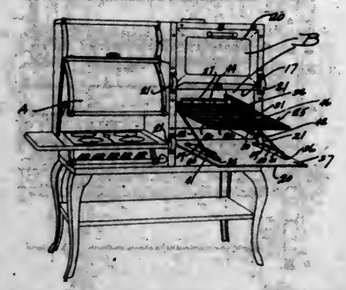
1. A device of the class described comprising a casing, an internally screw threaded extension formed on the lower end of said casing and adapted to co-act with the threaded portion of a filler spout on the radiator of an automobile, a transparent panel mounted in the front wall of said casing, a pair of colored lenses mounted in the side walls of said casing and arranged diametrically opposite each other, a lamp mounted in the rear wall of said casing, a transparent panel mounted in the top wall of said casing and an ornament mounted on the top wall and to the rear of said transparent panel, and extending over the same, whereby the light from said lamp will pass through said panel for illuminating said ornament.

1,487,949. LAMP MOUNTING. CHARLES F. L. KAUFMANN and WALLES L. KAUFMANN, Santa Ana, Calif. Filed Mar. 29, 1922. Serial No. 547,646. 3 Claims. (Cl. 240—61.)



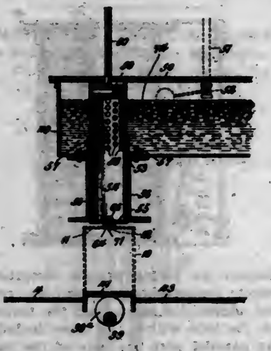
1. In a lamp mounting, the combination of a face plate, means to secure the face plate to the body of a vehicle, a bracket projecting from the face plate, a shaft section rotatably mounted on the bracket, a lamp carried by the shaft section, a bushing having a head at one end and screw-threaded at its other end, a hollow nut engaging the screw-threads, a shaft section extending through the bushing, and a flexible shaft section connecting the other shaft sections.

1,487,950. EXTENSION TRAY FOR OVENS. WILLIAM J. KIMMERLE, Pittsburgh, Pa. Filed Oct. 23, 1922. Serial No. 596,894. 5 Claims. (Cl. 126—340.)



1. In a device of the class described, the combination of an oven including an opening, a door for said opening, a tray, and means adjustably connecting the tray and door to selectively permit various degrees of extension of the tray from said oven upon opening of the door.

1,487,951. CAN-FILLING MACHINE. JACQUES J. KIRKBY, Clymer, N. Y., assignor to Earl J. Bellinger, Sherman, N. Y. Filed Mar. 21, 1919. Serial No. 283,998. 19 Claims. (Cl. 226—94.)

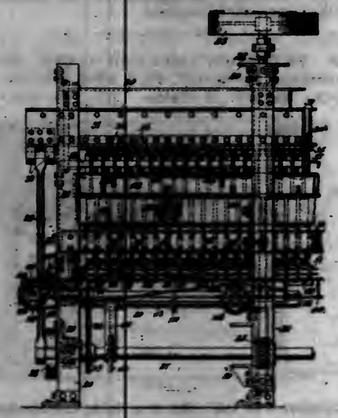


1. In a can filling machine, a reservoir for liquid, a plurality of cylinders within and extending below the reservoir, with a portion of each cylinder within the reservoir having its walls perforated and below the reservoir having its walls imperforate, and at the lower end having a valve discharge opening, a piston reciprocable in each cylinder, beams extending below and supporting the reservoir on opposite sides of those portions of the cylinders below the reservoir, and a top for the reservoir so that the cylinders are enclosed therein, said top having passages therethrough for the piston rods.

1,487,952. CAN-FILLING MACHINE. JACQUES J. KIRKBY, Clymer, N. Y., assignor to Earl J. Bellinger, Sherman, N. Y. Filed Oct. 14, 1920. Serial No. 416,921. 15 Claims. (Cl. 226—94.)

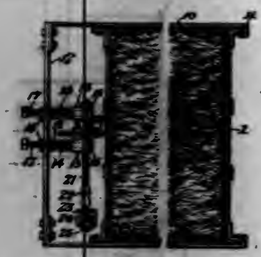
1. In a can filling machine, a plurality of cylinders, a piston reciprocable in each cylinder, a closure for the lower end of each cylinder, a nozzle mounted in each

closure, a can centering device mounted upon each closure, means to prevent each can centering device from dropping off the closure, each can centering device being so shaped as to cooperate with the devices on either side



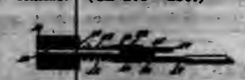
thereof to prevent turning of the same, each centering device having a plurality of prongs which are curved to engage the side walls of the cans and beveled to center the cans.

1,487,953. INDICATOR FOR BALING PRESSES. ELMER T. KISSINGER, Creston, Ohio. Filed Nov. 29, 1922, Serial No. 604,080. Renewed Sept. 12, 1923. 3 Claims. (Cl. 116—114.)



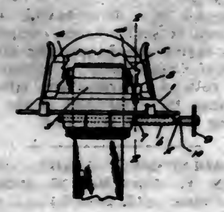
3. An indicator for baling presses comprising a dial, a tracer wheel, connections between the tracer wheel and dial, and means for supporting the tracer wheel in contact with the bale within the press including a yoke having a bar parallel with the side of the bale, parallel pairs of guide studs carried by said bar, bearing blocks for the tracer wheel shaft on said guide studs and movable toward and from the bale, and adjustable spring pressure means interposed between said bar and said bearing blocks.

1,487,954. BINDING POST. ARIE KLEINHESSELINK, Orange City, Iowa. Filed Mar. 13, 1923. Serial No. 624,703. 2 Claims. (Cl. 173—259.)



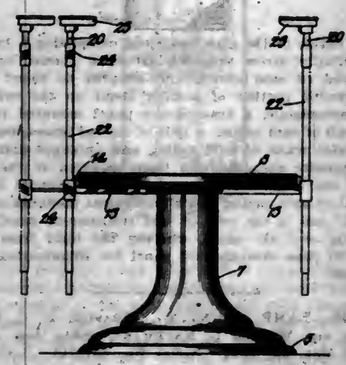
2. A device of the class described, the combination of a binding post stem having an opening extended through it near one end and having grooves on opposite sides of said opening extending longitudinally of the stem toward the end thereof, said stem also having a groove extending from said opening toward the opposite end of the binding post stem and terminating in a lateral extension, a sleeve slidably mounted upon the stem and being provided with a lug designed to enter said groove, and an extensible coil spring mounted upon the stem and designed to engage the said sleeve, substantially as and for the purposes stated.

1,487,955. FLAME EXTINGUISHER FOR LAMP BURNERS. STANLEY KRUSZYNSKI, Philadelphia, Pa. Filed Mar. 24, 1923. Serial No. 627,531. 2 Claims. (Cl. 67—80.)



1. A flame extinguisher for a lamp burner comprising an extinguishing device on the wick tube, means associated with the wick controlling means for operating the device, such means consisting of a sleeve on the rod of the wick controlling device and means connecting the same to the extinguishing device and clutch means for connecting the sleeve with the disc on the rod.

1,487,956. SKIRT MARKER. JOSEPH LEIBOWITZ, New York, N. Y. Filed Feb. 21, 1922. Serial No. 538,202. 2 Claims. (Cl. 33—10.)

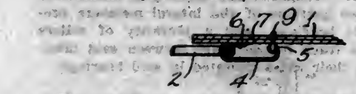


1. A skirt marking device of the class described comprising a base and a platform attached thereto, said platform having an annular groove in its periphery, an annular member mounted on the base below the platform, an arm formed with said member, and provided with a vertical extension having a lug operable in the groove of said platform, and an adjustable gauge carried by the said arm.

1,487,957. PLASTIC MATERIAL AND METHOD OF MAKING THE SAME. NATHAN B. LEVY, Cedarhurst, N. Y. Filed May 27, 1922. Serial No. 564,232. 10 Claims. (Cl. 106—36.)

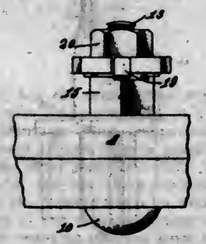
1. A plastic material consisting of a fibrous substance, and an oxidized insoluble soap of a drying oil.

1,487,958. SHOE HOOK. AXEL EMANUEL LIND, Leadville, Colo. Filed May 14, 1923. Serial No. 638,984. 1 Claim. (Cl. 24—146.)



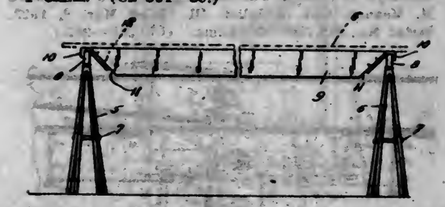
The combination with a shoe and a lace for said shoe, of a plurality of hooks, and means for hingedly mounting each of said hooks independently of the others upon said shoe with their work engaging portions adjacent to said shoe, said means for securing said hooks to said shoe being fixed against movement relative to the shoe.

1,487,959. COMBINATION BOLT AND NUT LOCK. JOHN P. LINDSAY, Randsburg, Calif. Filed Nov. 11, 1922. Serial No. 600,338. 1 Claim. (Cl. 151—18.)



In combination, a bolt having one portion provided with a right hand thread and its remaining portion reduced and provided with a left hand thread, a nut threaded upon said right hand threaded portion and having its outer face formed with recesses, a washer engaged against the outer face of said nut and formed with projections fitting within said recesses, the outer periphery of said washer being formed with radially extending tongues, a nut engaged upon said left hand threaded portion and having a flange provided with notches, the tongues being adapted to be bent into said notches.

1,487,960. TOP SUPPORT FOR PAPER-HANGERS' PASTING TABLES. BERNARD E. MCLAUGHLIN, Detroit, Mich. Filed Aug. 24, 1923. Serial No. 659,124. 1 Claim. (Cl. 304—39.)

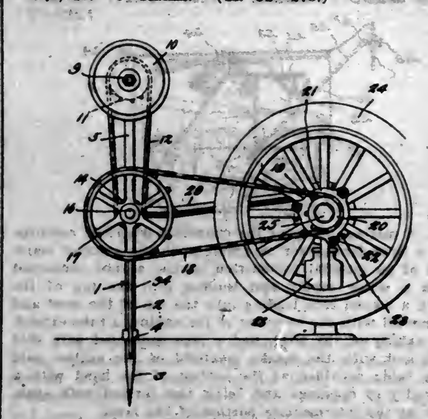


As a new article of manufacture, a support for preventing sagging of the top of a paperhanger's knock down table comprising a bar having table leg engaging hooks secured to the ends thereof, said bar having mitered ends, and said hooks being coextensive with the longer edge of the bar substantially as shown and described.

1,487,961. FORMULA FOR INSOLUBLE WALL TINTS. JOHN F. MAKOWSKI, Stockton, Calif., assignor to California Cedar Products Company, Stockton, Calif., a Corporation. Filed Dec. 23, 1922. Serial No. 608,596. 2 Claims. (Cl. 134—46.)

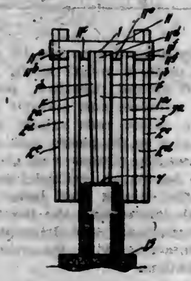
2. A composition for wall tints consisting of a body material, casein, and borax, in substantially the proportions of 10 pounds of said body material, 1 pound of casein, and ¼ pound of borax.

1,487,962. TOOL GRINDER. OSCAR R. MANVILLE, Breckenridge, Mo. Filed Mar. 6, 1922. Serial No. 541,412. 8 Claims. (Cl. 51—173.)



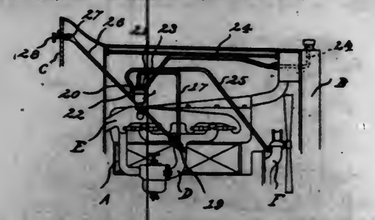
1. In a device of the class described, a standard comprising upper and lower parts; a connection uniting said parts; a brace projecting from the connection; a shaft journaled in the connection; a driven element on the upper part of the standard; means for connecting the driven element operatively with the shaft; means for connecting the brace with a vehicle frame; a sprocket wheel; means for connecting the sprocket wheel to a vehicle wheel; and a sprocket chain forming an operative connection between the said sprocket wheel and the shaft.

1,487,963. MEANS FOR CONCRETE CONSTRUCTION. JOHN V. MEARNS, Malvern, near Melbourne, Victoria, Australia. Filed Nov. 28, 1921. Serial No. 518,880. 4 Claims. (Cl. 25—131.)



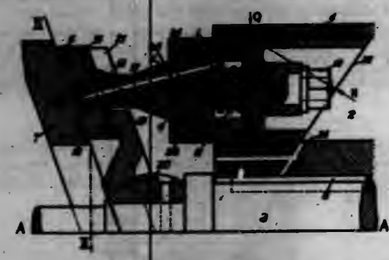
1. In concrete construction, coreboxes placed along foundations between inner and outer forms the faces of which are parallel to each other and the corebox which is distanced therefrom connecting the forms to the corebox and to each other by fastening devices extending through from the outside to the inside of the said parts, means for maintaining the coreboxes and wall forms in their correct position comprising a template having a mortise bevelled on one side to receive a squared piece of material and a wedge placed on the top edges of the forms and coreboxes so that one of the forms and its stud fits in a recess between shoulders, the corebox fitting in a recess between shoulders, a squared piece of material in the mortise and lying along the vertical face of the other form, and a wedge inserted in the remainder of the mortise.

1,487,964. VAPORIZING APPARATUS. EDWARD J. MEYER, Lakewood, N. J. Filed Oct. 6, 1922. Serial No. 592,905. 2 Claims. (Cl. 123—25.)



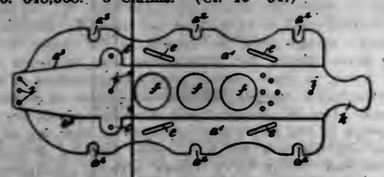
1. A mixing device of the character described comprising a bowl formed for mounting upon the exhaust manifold of an internal combustion engine, a tube connected with a water supply and leading into the top of the bowl, a second tube leading into the top of the bowl and connected with the breather of the engine, a tube extending axially of the bowl, and a pipe connected with said tube and with the intake manifold of the engine, said tube being provided at the bottom of the bowl with a plurality of openings and being also formed with openings at the intermediate portion of the bowl.

1,487,965. ROTARY RECIPROCATING ENGINE. ANTHONY G. M. MICHELL, Melbourne, Victoria, Australia. Filed Jan. 5, 1921. Serial No. 435,167. 9 Claims. (Cl. 121—62.)



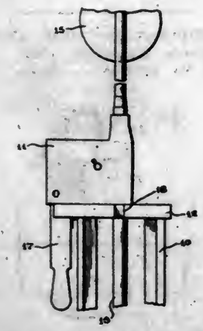
3. In a rotary reciprocating engine, the combination of an oblique drive plate, a rotary shaft, a plurality of cylinders arranged around the shaft, pistons rotatable relatively to the cylinders and movable parallel to the axis of the shaft, piston rods axially movable in the pistons, slipper plates on the piston rods, forming sliding connections between the pistons and the oblique drive plate, each piston having an inclined inner driving end, the pressure of the driving fluid being constantly directed into a path intersecting the line of reaction between the slipper plate and said drive plate, at a point of the piston contacting with the cylinder under all conditions of operations.

1,487,966. ROLLER SKATE. WALTER MILLER-METCALF, New Brighton, England. Filed June 28, 1923. Serial No. 648,368. 3 Claims. (Cl. 46—51.)



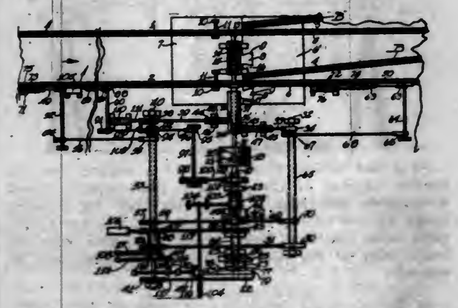
1. A roller skate, having a frame or body of inverted channel-section comprising a relatively-narrow, flat top plate, and lateral members of substantial height bent directly downward from said plate and forming continuations thereof, the bend lines of said members being parallel and straight throughout the major portion of their length; the lower portions of the lateral members providing roller-axle bearings; and a plurality of rollers located in single track in the space between said members and having their axles mounted in said bearings.

1,487,967. GRAVITY LOCK. JOSEPH B. MILTON, deceased, late of Enid, Okla., by Lucile V. Milton, administratrix, Enid, Okla. Filed May 23, 1923. Serial No. 641,021. 5 Claims. (Cl. 70—128.)



1. A switch lock comprising in combination with a pivotally mounted operating arm, a key operated pivotally mounted tumbler having one end normally disposed in the path of movement of said arm, a key operated pivotally mounted locking plate, interlocking means between the tumbler and plate to limit the range of movement of said tumbler, means whereby the plate may be independently moved to increase the range of movement and permit the tumbler to be moved out of the path of the operating arm and means engaged by the operating arm to hold the tumbler in an inactive position.

1,487,968. AUTOMATIC SWITCH-OPERATING DEVICE. WALTER M. MONROE, Joliet, Ill., assignor of one-third to Pius M. Fahrner and one-third to Edward M. Meaney, both of Joliet, Ill. Filed Mar. 8, 1923. Serial No. 623,736. 9 Claims. (Cl. 246—282.)



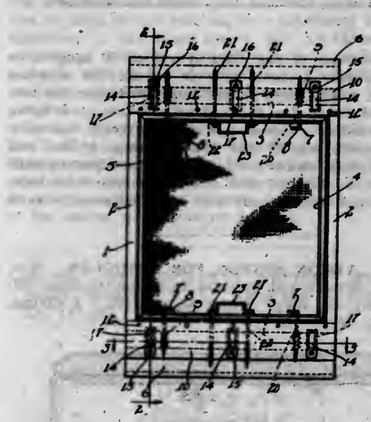
1. The combination with a railroad switch, of train actuated ramps for closing said switch before a train passes thereover, means operatively connecting said ramps to said switch, and an auxiliary train actuated ramp for keeping said switch open, manually controlled means for moving said first named ramps and said auxiliary ramp into operative position, and means for throwing said auxiliary ramp out of operative engagement with said manually controlled means.

1,487,969. MATCH BOX. LEWIS S. MOORE, Minneapolis, Minn. Filed Feb. 12, 1923. Serial No. 618,676. 8 Claims. (Cl. 206—21.)



1. In a match box the combination with a back plate having top and side capping flanges, of a box having an open back, a separable hinge supporting the box for swinging movement to and from a position in which it is closed by the back plate and held by the capping flanges, the top of the box being adapted to be sprung under the top of the capping flange to hold the box closed and the members of the separable hinge interlocked, and a feed blade for removing matches from the box.

1,487,970. SCREEN FRAME. FRANK MUSHALL, Chicago, Ill. Filed July 17, 1922. Serial No. 575,570. 2 Claims. (Cl. 156—14.)



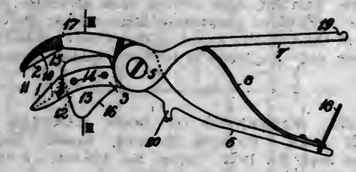
1. A screen comprising a frame, two oppositely disposed parallel sides movably carried by said frame, pins rigidly secured to said sides and being slidably mounted in said frame, springs for moving said sides away from said frame, said pins having heads thereon to determine the outward movement of said sides with respect to said frame, screws carried by said sides and being slidably disposed in said frame, handles secured to the inner ends of said screws and being adapted to move said sides inwardly against the tension of the springs, and metal plates covering the space between said frame and sides, said plates being bent at right angles at their ends to extend transversely across the top and bottom edges of said frame, said sides having grooves adapted to receive the guide strips of the window.

1,487,971. UNDERGARMENT OF THE BLOOMER TYPE. MARY D. NEILSON, Minneapolis, Minn. Filed July 15, 1922. Serial No. 575,332. 5 Claims. (Cl. 2—122.)



1. A bloomer garment comprising back and front portions, the back portion having a centrally-disposed curved bottom edge, the front portions being provided with symmetrically-disposed edges each formed with upper and lower portions extending in parallel relation but being offset by increased width of material in the lower parts and being connected by an edge portion extending substantially at right angles to the first named edge portions, the upper and connecting edge portions being united to one another, and the lower edge portions being united to the curved edge of the back portion, whereby legs are formed with crotch fullness extending directly back from the center line of the front of the garment.

1,487,972. TOOL FOR EMASCULATING AND TAILING LAMBS. ROBERT E. PLUMMER, Jack River, Victoria, Australia. Filed Apr. 6, 1921. Serial No. 459,004. 6 Claims. (Cl. 128—306.)



1. A tool for the purposes set forth, consisting of a pair of crossed arms pivoted together and formed with opposed terminal gripping jaws dished on their interior sides, one arm having fixed thereto between the jaw and pivot an inwardly and outwardly projecting cutting blade extending longitudinally of the arm and having cutting edges on both extensions.

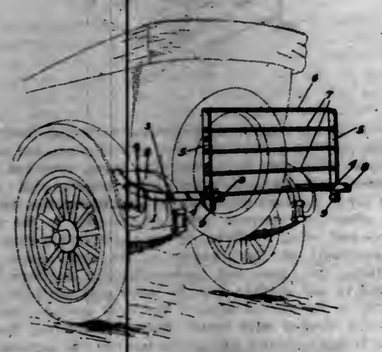
1,487,973. TOY CATAPULT. WILLIAM H. PRESTON, Denver, Colo. Filed July 3, 1923. Serial No. 649,332. 3 Claims. (Cl. 124—1.)



1. A device of the character described comprising a handle forming a hollow magazine, a cap on the lower end of the magazine and mounted to be turned thereon, a plurality of shot contained in the magazine, a pair of

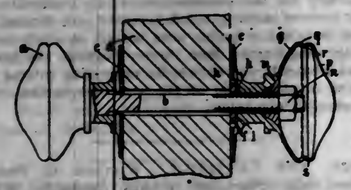
discs spaced apart and connected together to turn simultaneously, one of said discs being connected to the said cap whereby both of the discs will be turned when the cap is turned, each of the said discs being provided with openings, and a plate interposed between the said discs and provided with a single opening adapted to be aligned with two of the said openings in the said spaced discs when the said cap is turned to a predetermined position.

1,487,974. AUTOMOBILE TRUNK RACK. LEE B. PROUTY, Waterford, Calif. Filed Dec. 11, 1922. Serial No. 606,059. 2 Claims. (Cl. 224—29.)



1. A folding rack comprising a pair of rigid supports, a rack structure pivotally mounted in the supports and extending therebetween, the outer ends of the supports having projections adapted to engage the under edges of the rack to the rear of the pivotal connection thereof when said rack is moved to lie in a horizontal position, and the adjacent ends of the rack structure having similar projections adapted to abut against the under edges of the supports ahead of the pivotal connection of the rack when the latter is moved to said horizontal position.

1,487,975. FASTENING OF DOOR HANDLES AND THE LIKE. CHARLES RIDDICK, Epsom, England. Filed Sept. 21, 1922. Serial No. 589,649. 3 Claims. (Cl. 292—348.)



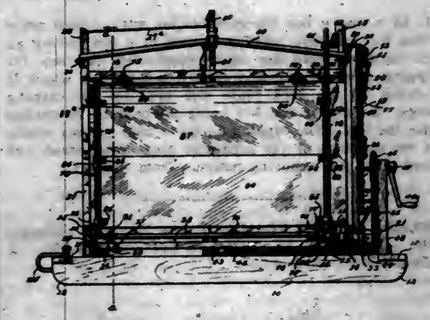
1. In a knob attachment, the combination of a screw-threaded spindle square at one end, an adjusting nut screwed thereon, a hollow two-part door handle comprising a hollow rear portion substantially of funnel shape and formed with a square aperture to fit the square end of said spindle and a front portion detachably secured to said rear portion, a washer on said spindle located within said door handle and shaped to fit within the funnel shaped portion thereof and to reinforce internally said rear portion and a securing nut screwed on said spindle within said door handle against said washer to maintain said rear portion of said door handle in contact with said adjusting nut.

1,487,976. SHOE HEEL. JOSEPH ROSSI and JOHN JACOBSZ, Youngstown, Ohio. Filed Apr. 2, 1923. Serial No. 629,250. 3 Claims. (Cl. 36—61.)



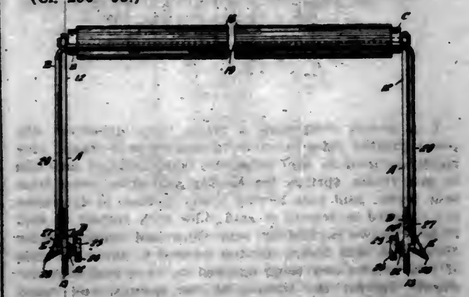
1. In a device of the class described, a recessed heel, a casing situated within said recess, a movable drum positioned within said casing, a plurality of inclined slots formed in the outer edges of said drum, a spike frame member actuated by said inclined grooves, substantially as described for the purpose set forth.

1,487,977. STANCHION AND OPERATING TABLE FOR ANIMALS. JOHN E. RYAN, Stuart, Iowa. Filed May 18, 1921. Serial No. 470,741. 12 Claims. (Cl. 119—103.)



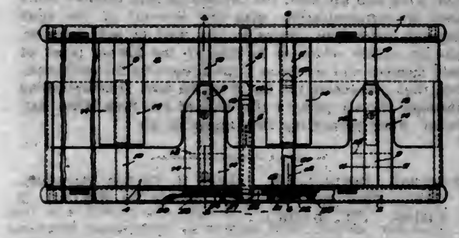
1. In a device of the class described, a support, a frame rotatively mounted thereon, means for rotating said frame, a side plate pivotally mounted near the bottom of said frame, the free end of said side plate being curved inwardly, a second side plate pivotally mounted at the opposite side of said frame having its free end curved inwardly, means for independently adjusting said side plates to or from each other, and means for locking the curved edges of said side plates adjacent to each other.

1,487,978. VISION SHIELD FOR VEHICLES. WILLIAM A. SCHAAR and CHARLES L. GEEDS, Chicago, Ill. Filed May 25, 1921. Serial No. 472,484. 4 Claims. (Cl. 296—95.)



1. In a vision shield adapted for use on the front of a superstructure, including upright side members, of an automobile or other vehicle, the combination with a pair of arms, each having between the ends thereof a clamping means adapted to rigidly secure the said arms to said side members; of movable side arms having lateral extensions slidably and pivotally mounted on said first named arms to swing in substantially vertical planes and move laterally relatively to said first named arms; an extensible shade attached to one end of said first named arms and at its opposite end to said pivotal arms; cooperable automatically operating means on said first named arms and the second named arms arranged to hold the latter in adjusted position with the shade extended; and manually operable means for moving said first named arms laterally relative to each other thereby rendering said first named means inoperative.

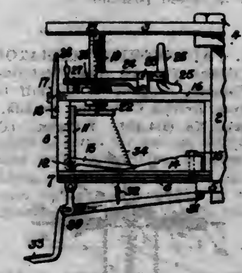
1,487,979. LOOSE-LEAF LEDGER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association. Filed Apr. 23, 1921. Serial No. 463,954. 8 Claims. (Cl. 129—13.)



1. A ledger binder composed of two separable sections and resiliently extensible post members permanently carried by each of said sections for engagement within edge apertures in the loose sheets, and an extensible post comprising manually adjustable sections removably engageable with said binder sections and extending within perforations in said sheets to secure them as against removal.

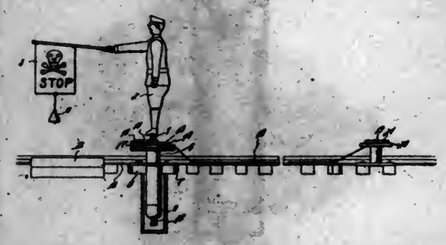
5. In a loose leaf ledger, a pair of separable sections, and locking means therefor including a clutch having a slidable member, a spring for tensioning said member, and a slide having a thumb piece said slide being adapted to engage said member to move same against the action of the spring to unclutched position.

1,487,980. HEEL-BUILDING DEVICE. WILLIAM E. SMALL, Brooklyn, N. Y. Filed Feb. 1, 1921. Serial No. 441,538. 20 Claims. (Cl. 12—50.)



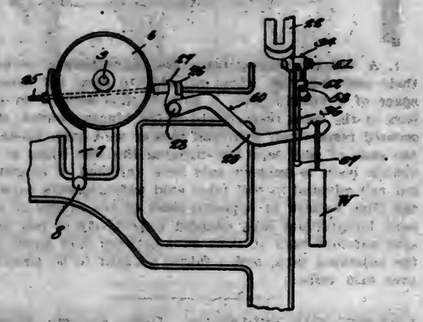
1. The method of building heels of separate lifts which comprise assembling said lifts one upon another, interlocking said lifts with a holder for preventing slipping of the lifts with respect to each other, applying pressure to the assembled mass, and unlocking said mass after pressure has been applied.

1,487,981. CROSSING SIGNAL. MELVIN H. SMITH, Pretty Prairie, Kans. Filed Nov. 3, 1923. Serial No. 672,580. 4 Claims. (Cl. 246—294.)



1. A device of the class described comprising a vertically arranged shaft, signal means carried thereby, spring means for holding the shaft in position with the signal in operative position, train operated means arranged a distance from the signal, a pawl for holding the shaft with the signal in inoperative position and the spring under tension, flexible means connecting the train operated means with said pawl and means connected with the shaft and adapted to be engaged by a train passing the crossing for moving the parts to inoperative position and to tension the spring means.

1,487,982. BRAKE MECHANISM FOR LOOMS. JAMES ALEXANDER SCARELLS, Gainesville, Ga. Filed Jan. 16, 1922. Serial No. 529,630. 1 Claim. (Cl. 188—83.)



In a loom, a frame; a driving shaft journaled on the frame; a brake shoe mounted movably on the frame and controlling the rotation of the shaft; a first link connected with the brake shoe; a first lever engaged with the link; a second link slidable in the first lever and provided with a head adapted to cooperate with the first lever; a bell crank lever fulcrumed on a part of the frame; and a pivot element mounted in the second link, the bell crank lever comprising two fingers, between which the second link extends, the provision of two fingers permitting the pivot element to be riveted at both ends, and the pivot element being so riveted, thereby to hold the pivot element securely in place, one of the fingers being interposed between the second link and the frame, to prevent a wearing of the frame by the link.

1,487,983. PORTABLE ELECTRIC FLASH LAMP. JACOB STRAUSS, Arverne, N. Y. Filed Oct. 5, 1922. Serial No. 592,511. 5 Claims. (Cl. 240—8.5.)

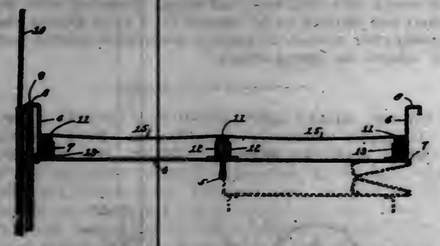
1. In a portable electric lamp, the combination of a casing comprising independent sections, a battery adapt-

ed to be shifted in one of the sections, a circuit closing plunger adapted to contact with the battery, flexible



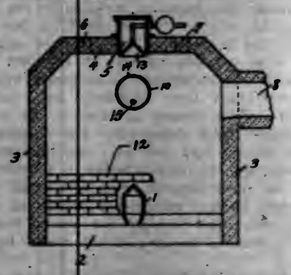
separating means between the battery and plunger, and means operable by the sections to close the circuit between the battery and plunger.

1,487,984. COLLAPSIBLE VEHICLE BED. CHARLES A. STRAIN, Los Angeles, Calif. Filed Aug. 7, 1922. Serial No. 580,054. 2 Claims. (Cl. 5—118.)



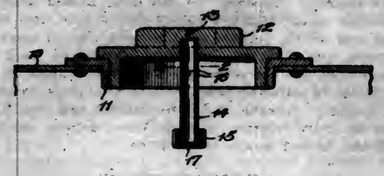
1. A bed comprising transverse bars hinged between their ends adapted when unfolded to span the interior space of a vehicle body, a pair of clips secured to said bars at the sides respectively of the hinges thereof, clips secured respectively near the ends of said bars, hooks on the ends of said bars for engaging the side edges of the vehicle body to support said bars unfolded, a longitudinal rail adapted to rest upon said unfolded bars between the clips secured at opposite sides of the hinges of said bars, longitudinal rails adapted respectively to rest upon said unfolded bars at their ends between said hooks and the adjoining clips, and a fabric adapted to be stretched over said rails.

1,487,985. GAS PRODUCER. DAVID SUDNTIC, Youngstown, Ohio. Filed Mar. 4, 1922. Serial No. 541,183. 1 Claim. (Cl. 48—86.)



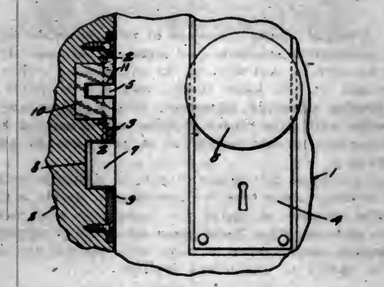
A gas producer of ordinary rectangular construction, a semi-arched top, a fuel hopper located in said top, a stationary circular fuel deflector positioned in a horizontal manner underneath said fuel hopper, means for cooling said fuel deflector, substantially as described for the purpose set forth.

1,487,986. TANK FOR TRACTORS, ETC. ERNEST E. SWEET, Detroit, Mich., assignor, by mesne assignments, to Harold H. Emmons, Detroit, Mich. Filed Apr. 23, 1920. Serial No. 376,050. 2 Claims. (Cl. 220—44.)



1. A liquid tank for vehicles having a filler cap with an air port in the top thereof which is unobstructed at all times and means to prevent the escape of liquid by splashing through said port, said means comprising a hollow member within the tank and secured to the wall of said filler cap and having its interior in communication with said air port, the interior of said member being also in communication with the interior of the tank through restricted orifices in the wall of said member, and an orifice which is located at the lowest point of said member and serves as a drain opening for said member, thus preventing the liquid in the tank from splashing through the air port in the wall of the tank when agitated, while permitting the ingress of air.

1,487,987. DOOR LOCK. JAMES H. TAYLOR, Pasadena, Calif. Filed June 27, 1923. Serial No. 648,061. 2 Claims. (Cl. 70—15.)



1. The combination of a keeper and a lock, one having a socket and the other a latch, said socket having a bore extending obliquely therefrom and opening thereinto, and a spring projected ball mounted in said bore and adapted to engage the latch when the door is closed to lock the latch in closed position.

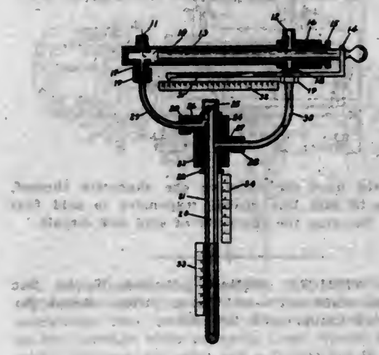
1,487,988. AUTOMOBILE RADIATOR-FILLING BUCKET. HARRY TESCHE, New Westminster, British Columbia, Canada, assignor of one-half to Lena Colbek, Vancouver, British Columbia, Canada. Filed Dec. 1, 1922. Serial No. 604,401. 1 Claim. (Cl. 226—36.)



In a bucket, a tubular member projecting through the bottom thereof and provided at its lower end with diametrically opposed notches, a bar freely mounted in said notches and extending transversely of the bore of the

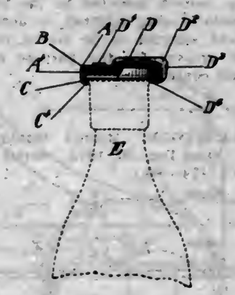
tubular member, a valve seated on the upper end of the said tubular member and normally closing said member and a tension spring between the valve and the bar serving to hold the valve closed and the bar in place in the notches.

1,487,989. APPARATUS FOR MEASURING THE RATE OF FLOW OF GASES. LEONARD O. VOSS, Lincoln, Nebr. Filed Apr. 18, 1922. Serial No. 555,073. 4 Claims. (Cl. 73—167.)



1. A device for causing a drop and indicating in pressure in a flowing gas, said device being provided with an elongated passageway of reduced cross section, and manually operable means for varying the length of the reduced passageway.

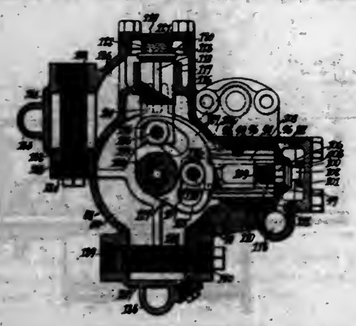
1,487,990. CAPSULE FOR USE WITH BOTTLES OR OTHER VESSELS, THE NECKS OF WHICH ARE FORMED TO RECEIVE CROWN CORKS OR SEALS. WILLIAM WATERS, Fitzroy, near Melbourne, and HENRY AUGUSTINE BRADY, Carlton, near Melbourne, Victoria, Australia. Filed Mar. 21, 1923. Serial No. 626,640. 6 Claims. (Cl. 215—64.)



1. An improved capsule, for use on containers formed to receive crown seals, comprising, a plane cap, a stationary depending, inturned lug formed on the edge of the cap, an arm eccentrically pivoted on the cap, and a depending, inturned lug formed on the free end of the arm.

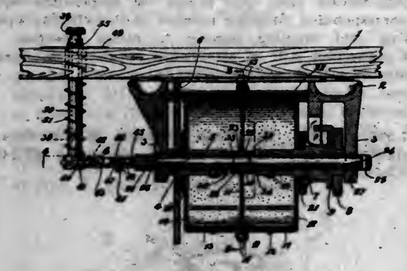
1,487,991. VALVE MECHANISM FOR TRAIN-STOPPING APPARATUS. JEAN FRANCIS WEBB, Jr., New York, N. Y., assignor to The International Signal Co., a Corporation of Arizona. Filed Dec. 30, 1922. Serial No. 609,865. 17 Claims. (Cl. 303—18.)

1. In a mechanism of the class described, a housing having two distinct valve chambers with valve openings, valves for controlling said openings, an oscillatable double slotted cam disk, said valves including stem-yokes



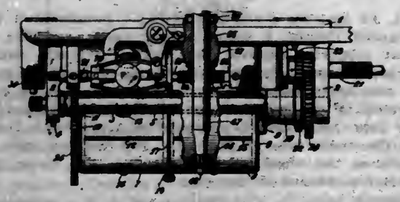
engaging said disk and having rollers mounted in the cam slots for operating said valves on alternate oscillations of said cam.

1,487,992. SPRING MOTOR AND ITS INSTALLATION IN PHONOGRAPHS. MAXIMILIAN WEIL, New York, N. Y. Filed July 14, 1920. Serial No. 396,211. 52 Claims. (Cl. 185—45.)



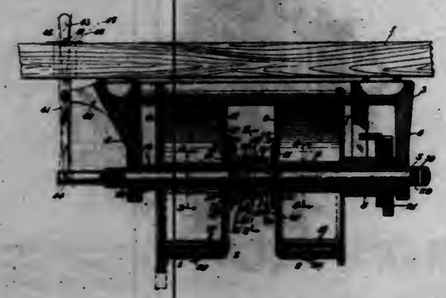
1. In apparatus of the character described, in combination, a driving spring mechanism, and means for substituting a substantially rigid connection for a section of said spring mechanism.

1,487,993. SPRING MOTOR AND ITS INSTALLATION IN PHONOGRAPHS. MAXIMILIAN WEIL, New York, N. Y. Filed Oct. 22, 1920. Serial No. 418,727. 27 Claims. (Cl. 185—40.)



1. A spring motor comprising in combination, a frame, a power plant mounted thereon comprising a plurality of driving springs, governor means for limiting the operation to a predetermined substantially uniform speed, and means for altering the mechanical transmitting connections in the completely assembled motor for operation at the said predetermined speed with less than all of said springs operatively connected.

1,487,994. SPRING MOTOR. MAXIMILIAN WEIL, New York, N. Y. Filed Apr. 4, 1921, Serial No. 458,345. Renewed Aug. 22, 1923. 18 Claims. (Cl. 185—45.)



10. In apparatus of the character described, in combination, a supporting shaft, a sleeve floating thereon, a coupling member surrounding said sleeve, slidable thereon but limited against rotation with respect thereto, a pair of drums extending over opposite ends of said sleeve and toward said coupling member, springs in said drums connecting the latter to said sleeve, said coupling member having teeth at its opposite ends and a conformation upon said drums for cooperation with the corresponding coupling member teeth, whereby upon shifting said coupling member in either direction, a rigid connection will be established between said sleeve and one of said drums.

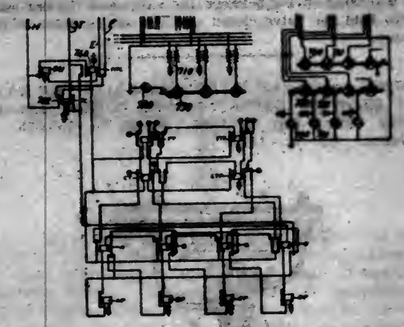
1,487,995. CIGAR LIGHTER. GEORGE W. WILKINS, Trinidad, Colo. Filed Dec. 5, 1922. Serial No. 605,140. 2 Claims. (Cl. 67—711.)



1. An igniting device comprising a receptacle, a wick arranged therein, a spring-pressed spark producing element supported adjacent the wick, a rotatable element arranged above the spark-producing element, engaged by the latter and having a plurality of teeth, a cover pivoted to the receptacle and movable transversely of the upper end thereof, and a plurality of teeth formed on the under face of the cover and meshing with the teeth on the wheel whereby to rotate the latter upon pivotal movement of the cover.

1,487,996. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1920. Serial No. 433,905. 20 Claims. (Cl. 179—27.)

10. In a telephone system, lines of different character, a link circuit for interconnecting said lines, automatic switches for connecting said lines to said link and for connecting said link to said lines, means individual to



each of said lines for denoting the character thereof, and means in said link circuit responsive to said first means for changing the character of said link circuit.

1,487,997. VEHICLE SIGNAL. MILTON WOOLF, San Francisco, Calif. Filed Dec. 4, 1920. Serial No. 428,296. 1 Claim. (Cl. 200—59.)



In an automobile signal, a steering post, a shell around said post, blocks secured to said post and said shell, said blocks overlying one another, concentric grooves formed in one of said blocks and extending substantially around the face of the block, one of said grooves being of shorter radius than the other of said grooves, a passage connecting said grooves, adjustable movable contacts mounted within said grooves, and a radially sliding contact mounted in the other of said blocks, said contact being adapted to normally lay in said passage and adapted to be moved into either of said concentric grooves for the purpose of contacting with one of said contacts.

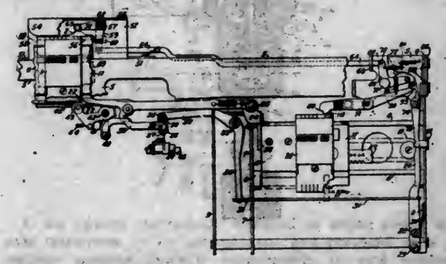
1,487,998. ELECTRODE. MILTON WOOLF, San Francisco, Calif. Filed Dec. 26, 1922. Serial No. 609,077. 1 Claim. (Cl. 174—89.)



In a device of the character described, a head band adapted to encircle a portion of the head from side to side, a screw projecting through each of the opposite ends of said band, an inclined portion formed in each of

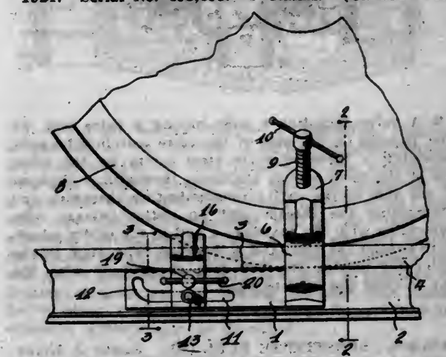
said screws, a disc slidably held on said screws, a rod passing through said discs in such a manner as to contact with the inclined portions of said screws, and nuts adapted to move said discs along said screws so as to cause said rod to contact with said inclined portion of said screws.

1,487,999. CALCULATING MACHINE. ROBERT G. C. BOA, Herkimer, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,681. 16 Claims. (Cl. 235—59.)



1. In a calculating machine, the combination with register wheels arranged in a denominational series, mechanism that includes a stepping carriage and that as the carriage steps connects those wheels successively with a common actuator, and a feeler that is required to act on the wheels and that is normally held clear of them, of feeler actuating means including a device mounted on the carriage and a device mounted on the framework and held in the path of travel of the other device at and only at a place which the latter reaches in a stepping movement of the carriage after the common actuator has engaged the register wheels above the units wheel.

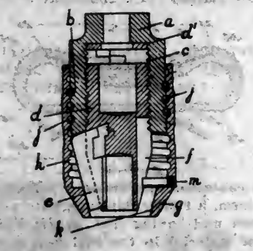
1,488,000. WHEEL CLAMP. WILLIAM D. WHITE and JAMES M. BROWN, Louisville, Miss. Filed Aug. 18, 1921. Serial No. 493,455. 5 Claims. (Cl. 188—45.)



1. A clamp of the character described, comprising a base plate, a wheel clamping member rigidly secured on said plate, and a rail clamping member longitudinally and vertically adjustable upon said plate.

1,488,001. CHUCK FOR HOLDING TOOLS AND BARS. CHARLES HENRY CLARK, Salford, England. Filed Nov. 14, 1922. Serial No. 600,826. 2 Claims. (Cl. 279—60.)

1. A rapidly operating chuck comprising a tubular shank or spindle, a sleeve or jaw holder having a helical engagement with the interior of the tubular shank, a nose or exterior sleeve having a helical engagement with the exterior of the tubular shank opposite in pitch from that of the sleeve or jaw holder, and means for causing

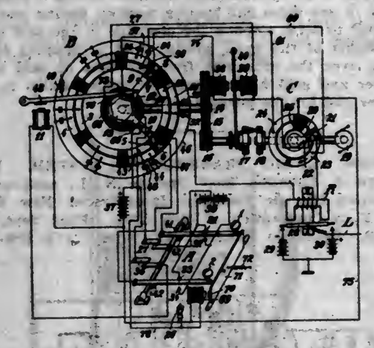


the jaw holder or sleeve and the exterior sleeve or nose to rotate together while permitting relative longitudinal movement of one with respect to the other.

1,488,002. ALTERNATE PRECIPITATION OF SODIUM BICARBONATE AND AMMONIUM CHLORIDE. GEORGES CLAUDE, Paris, France, assignor to Societe l'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Filed Mar. 15, 1921. Serial No. 452,476. 8 Claims. (Cl. 23—22.)

1. A method of preparing sodium bicarbonate and ammonium chloride by precipitation from solution, which comprises executing the successive operations in presence of an excess of ammonium carbonate.

1,488,003. TELEGRAPHIC TRANSMITTER. ERWIN EBERHARDT, Hermsdorf, near Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Nov. 23, 1920. Serial No. 426,081. 5 Claims. (Cl. 178—17.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a telegraphic transmitter, a line, means for supplying current for producing signals, a keyboard and a signal accumulating device, comprising a plurality of groups of condensers electrically associated with said keyboard according to the composition of the individual signals represented on the board, means for permitting the separate charging of said individual condenser groups successively at a non-uniform rate of speed depending on the operating speed of the keyboard, a sending device adapted to transmit signals to the line, said device operating at a uniform rate of speed, and means controlled by the sending device for successively discharging said condensers at a uniform rate of speed into said sending device, to cause the signal transmission to the line at a uniform speed rate.

1,488,004. AIR CONTAINER. ARTHUR GROVER FITZGERALD, Brookline, Mass., assignor to Ira J. Webster, Haverhill, Mass. Filed Apr. 11, 1921. Serial No. 460,170. 13 Claims. (Cl. 152—13.)



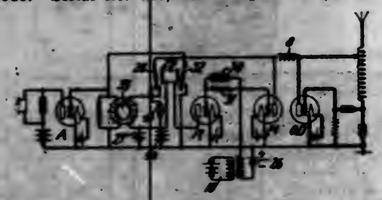
12. An air container comprising a rubber body of endless tubular form, a rubber flap integrally attached thereto at its center and having free, unattached, side edges, and inserts of material in the said flap having a higher wear resisting characteristic.

1,488,005. HAIR-CURLING DEVICE. MARY FREEMAN, New York, N. Y. Filed Apr. 23, 1923. Serial No. 633,995. 1 Claim. (Cl. 132—41.)



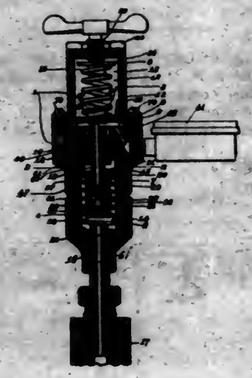
A metallic hair curling device for use in electric heating and curling apparatus of the character designated, comprising a one piece flat spool member formed at one extremity with a rectangular shoulder having a coupling socket, a one piece flat binding member having one end inturned to form a tenon for insertion in the said coupling socket of the spool member, and a clamping sleeve fitting over the otherwise free flat ends of said spool member and said binding member, substantially in the manner and for the purpose set forth.

1,488,006. RADIO TRANSMISSION SYSTEM. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,100. 11 Claims. (Cl. 250—6.)



1. In a high frequency transmission system, a high frequency conductor, means connected in energy transfer relation thereto adapted in common for generating high frequency oscillations for transmission and for detecting incoming high frequency oscillations, means for modifying the oscillations generated by said common means in accordance with signals, indicating means associated with said common means and sound control means whereby said system is alternately operative for transmitting signals and for receiving signals.

1,488,007. PRESSURE REGULATOR. ALEXANDER FREDERICK JENKINS, Baltimore, Md. Filed Apr. 9, 1920. Serial No. 372,408. 20 Claims. (Cl. 50—23.)



5. In a fluid pressure regulator, a regulating passage with a seat; a sealing member co-operating with said seat and opening against high pressure; and a telescopic moving carrier for said sealing member which member is within said carrier.

1,488,008. FAUCET VALVE. HENRY JONES, Wilmington, Del. Filed Dec. 22, 1921. Serial No. 524,107. 5 Claims. (Cl. 251—139.)

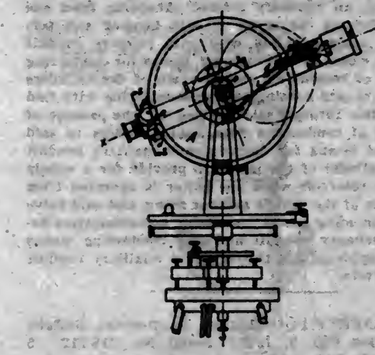


3. A valve including a body having a valve seat, an inlet passage on one side of the valve seat in alignment therewith, a threaded valve stem cavity on the other side of the valve seat in alignment therewith, a chamber at one side of the cavity communicating therewith and interrupting the threads and an outlet passage communicating with the chamber; a ball in the cavity adapted to engage the seat, and a threaded valve stem in the cavity for moving the ball into engagement with the seat to close the inlet passage.

1,488,009. SUBSTITUTE FUEL OIL. JAMES J. KIRBY, Newark, N. J., assignor, by mesne assignments, of one-half to General Oil Company of New Jersey, a Corporation of Delaware. Filed Mar. 30, 1921. Serial No. 457,019. 2 Claims. (Cl. 44—9.)

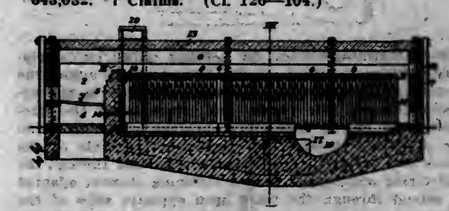
1. A fuel oil comprising a fractional mixture of 3 quarts of water, 2 ounces of glycerine, 2 ounces of soap, 3 pints of crude oil, 3 pints of gasoline, 2 quarts of kerosene, 1 pint of ammonia, 3 ounces of ether, 3 pints of naphtha, and 3 ounces of alum boiled to a viscous consistency to cause said gasoline, ammonia, naphtha, and ether to evaporate therefrom, to provide a two and three quarter gallon mixture, and diluted with one part of crude oil and two parts of gasoline to provide a twenty five gallon mixture.

1,488,010. SURVEYING TRANSIT. HAJO KOURKENS, Becon-les-Bruyeres, France, assignor to Edmund N. Peterson, Asnieres, France. Filed Apr. 8, 1922. Serial No. 550,870. 16 Claims. (Cl. 33—71.)



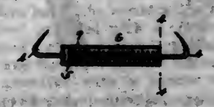
1. An optical instrument mounted to swing about an axis transverse to its optical axis, and provided with a reticule member movable transversely to said optical axis, a member rotatable independently of said instrument about the axis on which said instrument swings, co-operating index features located on said rotatable member and on said instrument, and an operative connection from said rotatable member to said movable reticule member to shift the latter as said rotatable member is turned about the axis on which the instrument swings.

1,488,011. AIR-HEATING FURNACE. LEIF LEE, Youngstown, Ohio. Filed June 2, 1923. Serial No. 643,032. 7 Claims. (Cl. 126—104.)



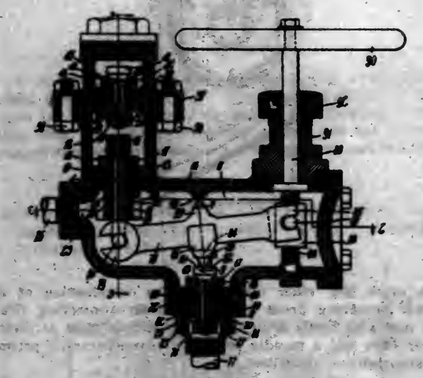
1. In an air heating furnace, a combustion chamber at one end of the furnace, a heating chamber extending longitudinally of said furnace, a flue coextensive with said heating chamber and separated therefrom by a partition wall, said flue communicating at one end with said combustion chamber and at its other end with said heating chamber, said heating chamber having its exhaust outlet adjacent the end thereof opposite the end which communicates with said flue, a plurality of heating elements in said heating chamber, and means for effecting a circulation of air through said heating elements, substantially as described.

1,488,012. CLIP FOR SHIRT COLLARS. JAMES SIMCOX LITTLE, Windsor, Melbourne, Victoria, Australia. Filed Apr. 17, 1922. Serial No. 553,803. 1 Claim. (Cl. 24—87.)



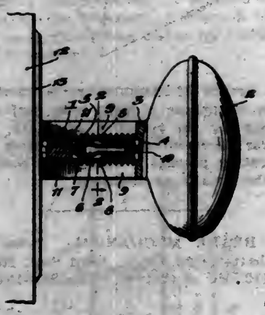
A clip of the kind indicated, comprising a barrel having a rectangular opening in one end, a hook fixed in the other end thereof, a spindle entering the barrel through and fitting in said opening, a hook on the outer end of the spindle and a compression spring about the spindle in the barrel.

1,488,013. HYDRAULIC VALVE. EMIL O. LUNDBLAD, Medford, Mass. Filed June 27, 1923. Serial No. 648,155. 23 Claims. (Cl. 138—16.)



1. A device of the character described comprising, in combination, a casing provided with a main pressure chamber and a plurality of aligning inlet passages, one of which communicates with said pressure chamber, said pressure chamber also having an outlet passage and an exhaust passage communicating therewith, valves for said inlet passages, a valve for said exhaust passage and means to open separately all of said valves.

1,488,014. DOORKNOB FASTENING. MARTIN MCDONALD, Washington, D. C. Filed Dec. 13, 1921. Serial No. 522,021. 10 Claims. (Cl. 292—353.)



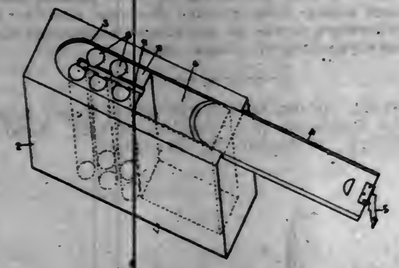
1. The combination of a spindle and a knob having a shank, the spindle being provided with a longitudinal slot, a double dog mounted in the slot with its extremities projecting at opposite sides of the spindle into engagement with opposite walls of the bore of the knob shank, the knob shank being provided with longitudinal bifurcations intersecting one another at substantially right angles, and the bore of the shank having ratchet teeth tapped therein and engaged by the free ends of the double dog.

1,488,015. GREEN-PEA VINER. WILLIAM MCDONALD, Green Bay, Wis., assignor to Chisholm-Scott Company, Columbus, Ohio, a Partnership. Filed Jan. 15, 1923, Serial No. 612,587. Renewed Nov. 24, 1923. 1 Claim. (Cl. 130—30.)



A green pea viner comprising the combination of a slowly revolving drum having inwardly projecting lifting ribs with beads secured to their lifting faces at their inner ends and a rapidly revolving beater-carrying prism substantially as described.

1,488,016. CARRIER FOR PERCUSSION CAPS. FRANK A. MCGAHEON, Crafton, Pa., assignor to James M. Selden, Pittsburgh, Pa. Filed Feb. 20, 1922. Serial No. 537,781. 3 Claims. (Cl. 206—3.)



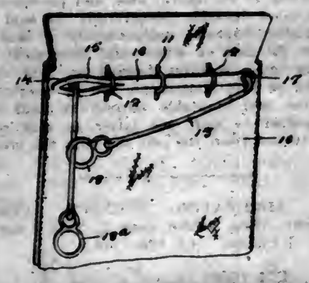
1. As an article of manufacture, a carrier for percussion caps comprising a main body portion having a pocket therein for the reception of a cap, and having a chamber for the reception of the cap wires, there being a communicating passage between the pocket and the chamber, substantially as described.

1,488,017. BRAKE MECHANISM. CLYDE JOHN MCNERNY, Chattanooga, Tenn. Filed Sept. 25, 1920. Serial No. 412,719. 5 Claims. (Cl. 188—154.)



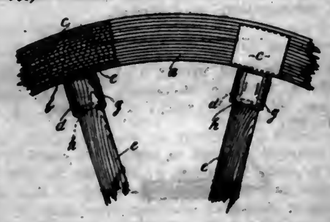
1. An apparatus for the purpose set forth comprising the combination with an internal combustion motor of a motor vehicle, of a fluid pressure operated brake mechanism, a fluid pressure reservoir, a control means for the supply of fluid pressure from said reservoir to said mechanism to operate the latter, a valve mechanism including a housing, a primary conduit leading from said housing to said reservoir and provided intermediate its ends with a check valve, an auxiliary conduit extending from one of the cylinders of the motor to said housing and permanently in communication with said primary conduit and normally closed to said cylinder, means for conducting the products of combustion from certain of the cylinders of said motor to said housing and communicating with said primary conduit through said housing for the passage of the products of combustion from said cylinders to said reservoir, and means for opening said auxiliary conduit to the said cylinder of the motor to provide for a supply of air to the reservoir when the motor is operated from the momentum of the vehicle and not firing, and said valve mechanism including means for closing communication between said primary conduit and said conducting means during the supply of air through said auxiliary conduit to said reservoir.

1,488,018. SAFETY POUCH. JOE MACHOWSKI, Buffalo, N. Y. Filed Feb. 9, 1923. Serial No. 618,112. 3 Claims. (Cl. 150—15.)



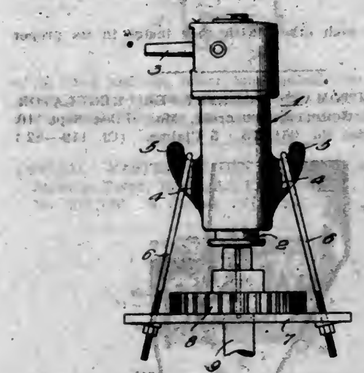
1. A fastening device for pouches embodying a plurality of rings adapted to extend transversely across the mouth of the pouch through slots provided in the opposite sides of said pouch, said pouch being also provided with spaced registering openings, a flexible member extending through the rings upon one side of the pouch and having its opposite ends extending through the registering openings, a slotted fastening element adapted to extend through the rings upon opposite sides of the pouch to prevent removal of the rings and hold the mouth of the pouch closed, means permanently connecting the ends of the flexible member and means whereby the flexible member may be detachably engaged through and disengaged from the slotted fastening element.

1,488,019. SPOKE SOCKET. EDWARD SINCLAIR BREMNER MACKENZIE-HUGHES, Dulwich, London, England. Filed July 5, 1921. Serial No. 482,585. 3 Claims. (Cl. 301—70.)



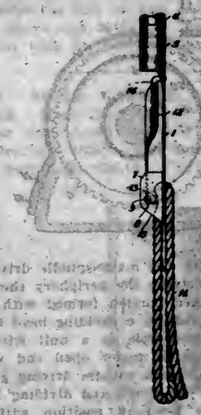
3. In a vehicle wheel a felloe, spokes, clips engaging said felloe and having inwardly extending longitudinally split sockets receiving the outer ends of said spokes and having inner edges, locking tubes surrounding said sockets and tightly wedged thereon and having inwardly facing edges, and strips formed on the inner edges of said sockets, bent over the inwardly facing edges of said locking tubes.

1,488,020. HYDRAULIC JACK. JOHN L. MALONE, Whistler, Ala. Filed Dec. 18, 1922. Serial No. 607,653. 1 Claim. (Cl. 29—86.)



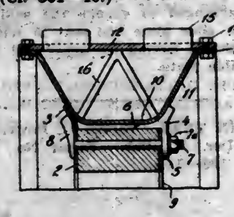
The combination with an elongated cylindrical body carrying a plunger at one end and means for forcing said plunger outwardly on the axial line of the body; of flat-sided uniformly shaped lugs integral with opposite sides of said body and extending from the latter on a diametrical line, said lugs having hook-shaped ends facing in the opposite direction from said plunger and being receivable in connecting devices for operatively connecting the body with any desired work.

1,488,021. MOP HEAD. MARIANO MARINO, Rochester, N. Y. Filed May 16, 1923. Serial No. 638,950. 3 Claims. (Cl. 15—150).



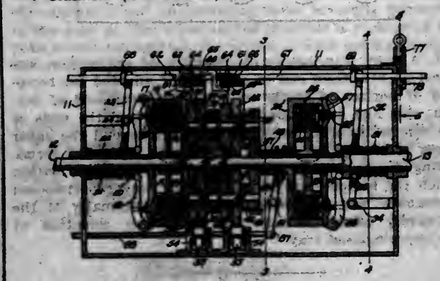
1. In a mop head, the combination with a body portion having a head provided with a transverse slot and with lateral ears, of a clamping jaw spanning the head adjacent to the slot and having a pivotal bearing in the ears, said jaw being provided with a handle whereby it may be swung into and out of clamping engagement with a mop passed through the slot, and means on the body portion for latching the handle against the latter to hold the jaw in clamping position.

1,488,022. WHEEL. JESSE CANBY MORGAN, Portland, Oreg. Filed Aug. 29, 1921. Serial No. 496,218. 3 Claims. (Cl. 301—40.)



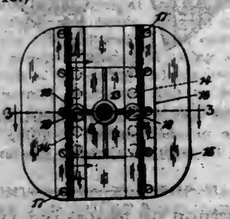
3. A traction tread for wheels having demountable rims, comprising a channel shaped rim adapted to seat upon the wheel and to be removably held thereon, a traction ring having traction lugs secured to the channel shaped rim, and braces between the said rim and the ring.

1,488,023. TRANSMISSION. JOHN G. MORTON, Champaign, Ill. Filed Jan. 5, 1923. Serial No. 610,832. 7 Claims. (Cl. 74—34.)



1. A transmission mechanism comprising in combination with a drive shaft and a driven shaft, a clutch mounted upon each shaft, spring actuated means for locking each of the clutches to its respective shaft, gears connecting the drive shaft and clutch, selective means whereby the clutches may be operated to release one or both of said clutches, means operated by the selective means to control the operation of the gears and control the relative speeds of rotation of the shafts, means whereby the direction of rotation of the driven shaft may be regulated and means for locking the selective means in position.

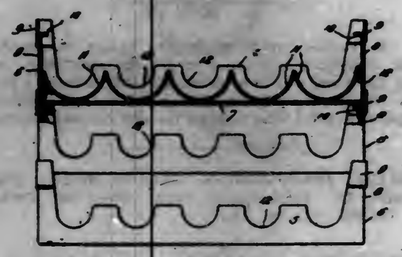
1,488,024. STOOL. STEPHEN NICHOLS, Denver, Colo. Filed Dec. 18, 1922. Serial No. 607,645. 1 Claim. (Cl. 155—115.)



A stool of the character described, comprising a seat, spaced parallel guide members secured to the under side of the seat and provided at their inner opposed edges with longitudinal guide grooves, a rectangular slide plate having its side edges fitted in the said grooves and provided between the guide members with a depending socket, said slide plate being provided in its lower face

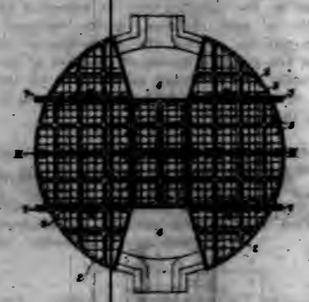
adjacent each side edge with depressions arranged at intervals and housed within and protected by the grooves of the guide members, a set screw mounted in the guide members and arranged to engage the said depressions for securing the slide plate and seat in relative adjustment and a pedestal having its upper end fitted in the socket of the slide plate.

1,488,025. COIN TRAY. EMERY C. POYNTER, Mendon, Mo. Filed Dec. 6, 1923. Serial No. 679,398. 3 Claims. (Cl. 133—11.)



1. A coin tray having a plurality of transverse concaved pockets from end to end thereof adapted for reception of horizontal stacks of coins and composed of bottom, side and end walls, the end walls and the ends of the side walls being extended upwardly beyond the upper edges of the major portion of the side walls and terminating in outwardly offset upper end portions, within which the bottom portion of a similar tray superimposed thereabove may be nested, and ledges internally of the outwardly offset portions for supporting reception of the superimposed tray.

1,488,026. LADLE COVER. EDGAR J. REILLY, Youngstown, Ohio, assignor to The William B. Pollock Company, Youngstown, Ohio, a Corporation of Ohio. Filed Oct. 21, 1921. Serial No. 509,337. 15 Claims. (Cl. 22—83.)



1. A cover for open top ladles, comprising a cellular or grid-like frame or shell having a filling of refractory material held in position therein, substantially as described.

1,488,027. METHOD OF PRODUCING AND EXHIBITING PICTURES POSSESSING STEREOSCOPIC RELIEF AND PICTURES PRODUCED BY SUCH METHOD. WALTER OSBORNE RUNCIE, New York, N. Y. Filed May 24, 1919. Serial No. 236,423. 15 Claims. (Cl. 88—16.6.)

1. The method of producing pictures possessing stereoscopic relief, which consists in recording from the same angular viewpoint a plurality of related images of the subject in planes parallel with and substantially



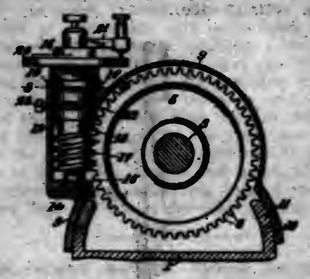
spaced from each other, with each image in its proper focus.

1,488,028. AUTOMATIC POULTRY-FEED REGULATOR. GUSTAV F. SCHOLLE, Concordia, Mo. Filed Sept. 10, 1923. Serial No. 661,875. 5 Claims. (Cl. 119—52.)



3. An automatic feed regulator for poultry feeders embodying an eccentrically-mounted valve and a member on which it is supported, the latter having means for its adjustable attachment, said valve being pivoted for reversal of position by the weight of the feed in the feeder.

1,488,029. LATHE ATTACHMENT. GEORGE N. BLANCHARD, Oakland, Calif. Filed Feb. 8, 1922. Serial No. 534,840. 3 Claims. (Cl. 90—57.)



1. In combination with the main spindle driving gear of a lathe, a guard overlying the periphery thereof and provided with an enlarged portion formed with a vertically disposed bearing opening, a dividing head including a shaft and a worm receivable as a unit within said bearing opening through its upper open end with the worm in mesh with said main spindle driving gear, and means engageable with the guard and dividing head for normally retaining the head in position within said opening.

1,488,030. WINDOW FIXTURE. WILLIAM CLARK BLIVEN, Vincennes, Ind., assignor of one-half to Charles N. Johnson, Vincennes, Ind. Filed June 12, 1922. Serial No. 567,642. 2 Claims. (Cl. 156—23.)

2. A bracket for the purpose set forth comprising a metal stamping including a U-shaped clamp, the arms of which have openings at their free ends, and a relatively wide arm extending at right angles from one vertical edge of one of the clamping arms, said arm having an opening to accommodate one of the journals



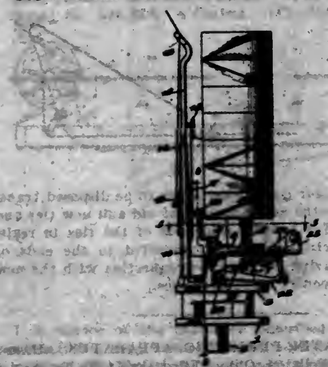
of a blind and the lower longitudinal end of the arm being rolled to simultaneously form a reinforcing bead and a tubular bearing for a curtain pole bracket.

1,488,031. FASTENING DEVICE. THOMAS BRIDGWOOD, Stoke-on-Trent, England. Filed July 24, 1922. Serial No. 577,166. 3 Claims. (Cl. 287—103.)



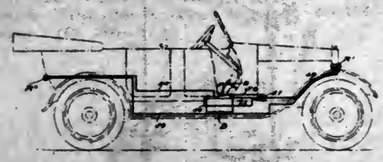
1. In a fastening device, a revoluble driving sleeve having two main longitudinal grooves in its outer side, said grooves each having two transverse grooves on one side, and one of each of the transverse grooves having an auxiliary longitudinal groove at its end arranged to one side of the main groove to which it pertains, a hub or boss slidable and revoluble on the said sleeve and provided with two dogs which are slidable in the said longitudinal main grooves and two of the transverse grooves, said hub or boss having also longitudinal grooves which register with the said longitudinal main grooves, a U-shaped key slidable in the longitudinal grooves of the said hub or boss and having projections at its end portions for engaging with the said main longitudinal grooves and in the other two transverse grooves and in the said auxiliary longitudinal grooves, and a spring which moves the hub or boss longitudinally away from the said sleeve and holds the projections of the key in engagement with the said auxiliary longitudinal grooves.

1,488,032. SPOOL CARRIER FOR BRAIDING MACHINES. JOHN EDDY CHACE, Adamsdale, Mass. Refiled for (abandoned) application Serial No. 432,018, filed Dec. 24, 1920. This application filed May 14, 1923. Serial No. 639,011. 14 Claims. (Cl. 96—15.)



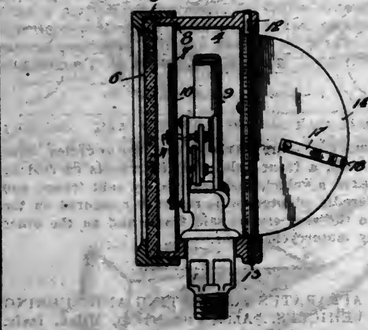
13. In a bobbin carrier, a bobbin receiving spindle, a rotatable ratchet on the spindle, a pawl engageable with the ratchet, a standard, a slide on the standard, and spring pressed means to engage the slide to tension same downwardly and being normally spaced from the pawl and being movable to engage and thereby release same from the ratchet.

1,488,033. DIRECTION-SIGNALING APPARATUS FOR MOTOR VEHICLES. HARRY GILMORE CLIFTON, Jacksonville, Fla. Filed July 29, 1920. Serial No. 399,843. 11 Claims. (Cl. 200—39.)



1. A circuit controller comprising, a yoke mounted for swinging movement, an arm fixed to the yoke, a contact bar fixed to said arm, stationary contacts disposed in the path of movement of said contact bar, a spring for biasing the yoke to a position wherein said contact bar disengages the contacts, and an actuating lever pivotally connected to the yoke so that when moved laterally a rocking of the yoke is effected against the action of said spring to cause the contact bar to engage said contacts.

1,488,034. PRESSURE GAUGE. ERNEST B. CROCKER, Stratford, and OTTO W. HEISE, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed June 13, 1919. Serial No. 304,074. 7 Claims. (Cl. 73—109.)



1. In a device of the character described, in combination, a cylindrical casing open at one end and liable to be subjected to sudden and heavy internal pressures, and closure means for the open end of said casing comprising a plurality of members hinged to swing about an axis radial to the wall of the casing and adapted to close said casing under normal conditions and to be released by swinging toward one another about said axis under conditions of abnormal pressure.

1,488,035. COMPOSITION FOR THE MANUFACTURE OF LAUNDRY AND TOILET SOAP. LAURA E. CRUVER, Tacoma, Wash., assignor of one-half to Oscar M. Glass, Tacoma, Wash. Filed Oct. 24, 1921. Serial No. 509,975. 2 Claims. (Cl. 87—5.)

1. A laundry soap consisting of the following: 1 lb. white soap, 2 oz. coal oil, 2 oz. lemon juice, 2 oz. lettuce juice, 2 oz. cucumber juice, 1 tablespoon borax powder, 3 oz. paraffine, 10 drops oil of almond, 2 tablespoons of cocoanut oil, 1 oz. bluing.

1,488,036. CHIME MECHANISM. WALTER H. DURFEE, Providence, R. I. Filed Feb. 11, 1921. Serial No. 444,158. 7 Claims. (Cl. 84—106.)



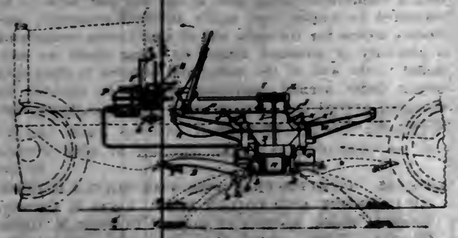
7. In a chiming mechanism, in combination, a hammer provided with an opening, an actuator for said hammer, a link chain having one end detachably secured to said actuator and its other end extended through the opening in said hammer and adjustably connected with the latter, and means for locking said chain in its adjusted position with relation to said hammer and against movement through said opening.

1,488,037. FORECARRIAGE FOR MOTOR CYCLES. CONRAD FEHR, Paris, France. Filed Mar. 23, 1922. Serial No. 546,134. 7 Claims. (Cl. 180—25.)



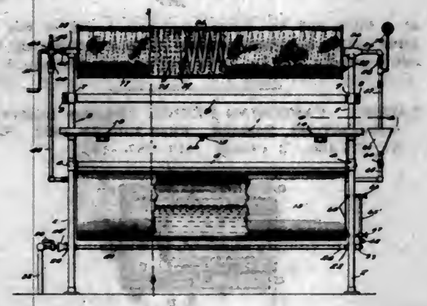
1. A removable fore-carriage for motor-cycles comprising a frame, a front axle, steering wheels carried by said front axle, a vehicle body carried by said frame, and a separate cradle adapted to be removably secured on the one hand to the rear end of said frame and on the other hand to the motorcycle frame.

1,488,038. APPARATUS FOR LIFTING AND TURNING MOTOR VEHICLES. ALDO FIORENTINO, Milan, Italy. Filed Mar. 14, 1922. Serial No. 543,756. 6 Claims. (Cl. 254—87.)



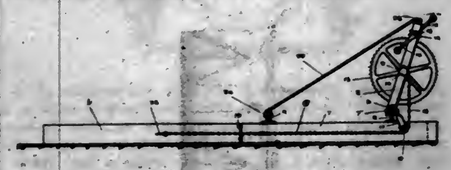
1. A lifting and turning apparatus for motor vehicles comprising in combination a support connected to the frame of the vehicle and including a rack with respect to which the support is turnable, legs pivoted to the rack, ground engaging feet slidably connected to the legs, means for lowering the legs, means for raising the rack to effect a raising of the connecting points of the legs and an inward sliding of the outer ends of the legs to consequently lift the vehicle and means on the vehicle frame and associated with the rack for effecting a turning of the vehicle when raised.

1,488,039. STEAM CLOTH SPONGING MACHINE. SAMUEL FISHER, Baltimore, Md. Filed Feb. 24, 1923. Serial No. 620,992. 3 Claims. (Cl. 26—7.)



1. In a cloth sponging apparatus, a table, a drop shelf for the top thereof and means for holding the shelf in alignment with the top, a tank removably supported on the table frame below the top thereof, means for admitting water into the tank, means for indicating the level of water in the tank, means for draining the tank, gas burners including spaced apertured tubes supported by the frame below the tank for heating the water therein to generate steam, a hollow drum supported by the table frame above the top thereof, said drum having series of peripheral apertures and a fabric facing arranged thereover, a roller journaled on the frame below the drum over which cloth supported on the table top is guided to arrange the same over the drum, means admitting steam generated in the tank into the drum, a filtering medium at the steam inlet in the drum, means regulating the pressure of steam in its passage to the drum, means in the drum receiving steam generated in the tank for drying the steam in its passage through the apertures of the drum, and means for revolving the drum.

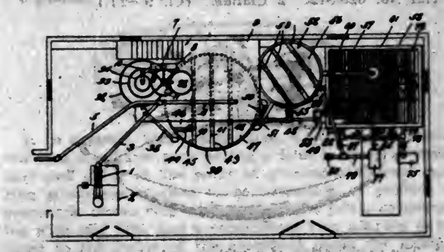
1,488,040. RAPID TIE CHANGER. BRITTEN GALLAND, Saltz, Iowa. Filed Apr. 30, 1923. Serial No. 635,799. 7 Claims. (Cl. 254—43.)



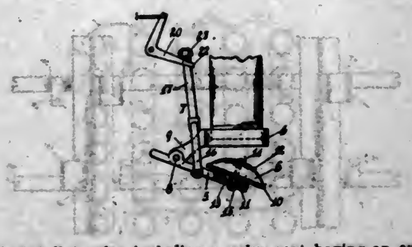
1. A tie changer comprising a bar to be disposed transversely between the adjacent ends of old and new ties and having means for holding said ends of the ties in registration, and actuating means connected to the ends of said bar and having portions for connection with the new tie to simultaneously move both ties.

1,488,041. WATER-PURIFYING APPARATUS. HARRY W. GIBSON, Wellston, Ohio. Filed Dec. 4, 1920. Serial No. 428,886. 5 Claims. (Cl. 210—16).

1. In a device of the class described, a filter; a conduit leading to the filter; a water motor interposed in the conduit; a chemical tank discharging into the conduit; an agitator in the chemical tank; means for driving the agitator from the motor; and means under the control of the agitator for governing the flow from the tank into the conduit.

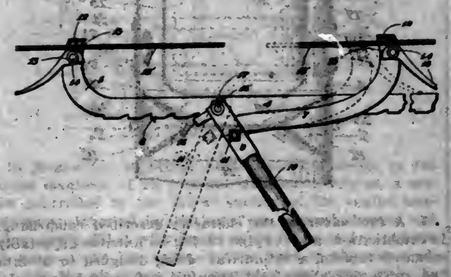


1,488,042. TOILET VALVE. HENRY P. GONSOULAND, Oakland, Calif. Filed Oct. 31, 1921. Serial No. 511,610. 7 Claims. (Cl. 251—2.)



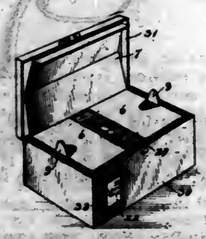
2. A toilet valve including a valve seat having an outwardly extending arm and adapted to be secured on the lower outer end of the toilet waste pipe, a valve lever fulcrumed on said arm, a valve closure member secured to said lever for engaging said seat to close said pipe, a connector member consisting of a rod and a yoke adapted to straddle said arm and connected to said lever, a forked bell crank lever, the upper end of said rod extending through the forked end of said bell crank lever, a nut on the upper end of said rod for engaging the forked end of said bell crank lever and means for swinging said bell crank lever to open the valve.

1,488,043. WIRE-REPAIR TOOL. JOHN EINAR GOODMAN, Baldur, Manitoba, Canada. Filed Mar. 16, 1922. Serial No. 544,336. 4 Claims. (Cl. 254—81.)



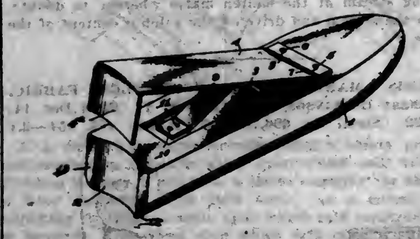
1. A device of the character described comprising in combination a body member having a serrated lower edge, a member slidable on the said body member, a lever to actuate said body member, the outer terminals of the said slidable and body members adapted for engagement with the terminals of wire members to be united, a dog rigid with the upper terminal of the said lever engageable with the said serrations to draw forward the said slidable member and an abutment configurated on the upper terminal of the said lever engageable with the said serrations to prevent retrogression of the said slidable member during actuation.

1,488,044. ART OF PACKING AND VENDING CIGARS. OTTO W. HARMS, Chicago, Ill., assignor to Ever Moist Cigar Box Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1924. Serial No. 690,714. 12 Claims. (Cl. 206—41.)



1. A mercantile package comprising an outer permanent rectangular container having a movable cover and a relatively small stamp inspection opening in one wall, and an inner refill carton formed of a blank of fibrous sheet material folded to carton form constructed to fit within and dimensioned to substantially fill the container, the carton being normally filled with cigars and having a liftable cover, the carton having a revenue stamp applied to seal the carton and arranged in such position that a portion of the stamp is visible through said inspection opening in the container, and accessible lifting means associated with the package to permit removal of the carton from the outer container.

1,488,045. PAN LIFTER. WALTER KARL HARRIS, Lockhart, Tex. Filed Nov. 28, 1923. Serial No. 676,528. 2 Claims. (Cl. 294—31.)



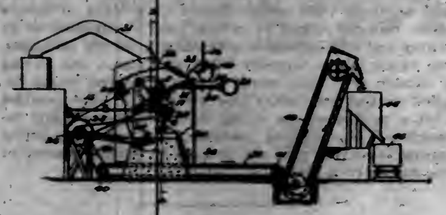
1. A device for lifting pans which are provided with a head, the device embodying a handle of heat-insulating material in the form of a block, a strip secured at its inner end to the handle and provided at its outer end with a finger disposed at an angle to the strip adapted to overlap the outer end surface of the handle, the finger being spaced from the outer end surface of the handle by a distance closely approximating the thickness of the wall of the pan to be lifted, thereby to hold the wall of the pan against the outer end surface of the handle and to hold the outer end of the handle beneath the head, and spring means interposed between the strip and the handle for moving the strip into such a position that the wall and the head of the pan may be located as aforesaid with respect to the handle.

1,488,046. TOY PISTOL. JOHN H. HARTMAN, Lancaster, Pa., assignor to John H. Hartman and Joseph T. Breneman, trading as The Hubley Manufacturing Co., Lancaster, Pa., a Copartnership. Filed Nov. 30, 1923. Serial No. 677,710. 8 Claims. (Cl. 42—54.)



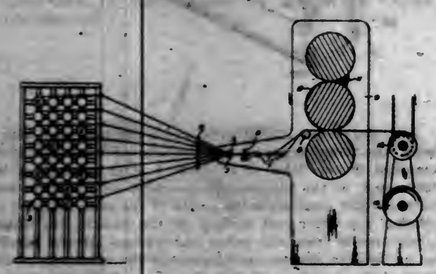
1. A toy pistol having a hollow body and a recess at the rear end thereof forming a cap-receiver, and an anvil arranged within said recess so as to provide air vents above and below the anvil opening into said hollow body.

1,488,047. PROCESS FOR THE TREATMENT OF MATTE FROM BLAST FURNACES. JOHN H. HICKEY, Gold Creek, Mont. Filed Oct. 1, 1918. Serial No. 256,461. 5 Claims. (Cl. 75—17.)



1. The step in a process for the treatment of matte to granulate and desulphurize the same, which consists in directing a blast of a fluid under pressure against a flowing stream of the molten matte whereby to disintegrate the stream and drive off the sulphur content of the matte.

1,488,048. MANUFACTURE OF WEFTLESS FABRIC. ERNEST HOPKINSON, New York, N. Y. Filed Dec. 14, 1922. Serial No. 606,768. 7 Claims. (Cl. 154—2.)



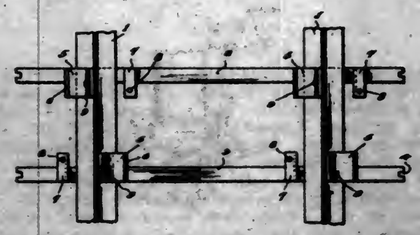
1. That method of manufacturing weftless fabric which consists in, treating with latex and drying a plurality of cords, assembling the cords in independent disconnected parallel relation, and finally joining the cords with vulcanizable rubber composition to form a sheet thereof.

1,488,049. WATER SLEEVE. WILLIAM T. LAWLESS, London, Ontario, Canada. Filed Mar. 17, 1923. Serial No. 625,812. 2 Claims. (Cl. 9—17.)



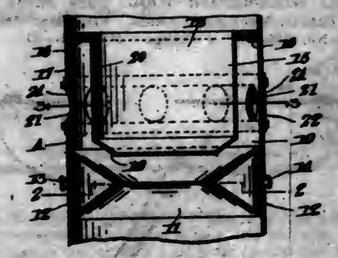
1. The combination of a rubber oval air container with cloth cover or container and a cloth sleeve in which is inserted a rubber band in a cloth encasement, the whole to be worn on the arms between the elbows and the shoulders.

1,488,050. RAILROAD TRACK. CHARLES LEAK, Centerville, Iowa. Filed Oct. 3, 1923. Serial No. 666,326. 3 Claims. (Cl. 238—38.)



1. A railroad track comprising tie bars, fish plates carried by and projecting laterally from said tie bars, and keeper lugs also carried by the tie bars and projecting therefrom in the same direction as and in spaced relation to the fish plates, the said lugs and fish plates being arranged to inter-engage upon movement of two tie bars toward each other.

1,488,051. FUEL SAVER. JOSEPH MCDONOUGH and ALFRED WILKIN, Edmonton, Alberta, Canada. Filed Mar. 9, 1923. Serial No. 623,866. 3 Claims. (Cl. 110—58.)



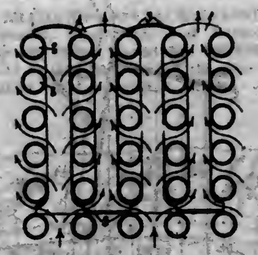
1. A fuel saver of the character described comprising, in combination, a stove-pipe having an annulus adjustably mounted therein, a cylindrical casing designed to fit into the stove-pipe above said annulus and spaced from the stove-pipe, flange means for suspending the casing in the stove-pipe, a sloping base for the casing in parallel alignment with the annulus, a plurality of spaced orifices around and in the stove-pipe opposite the casing, a sleeve designed to fit over said orifices and provided with openings designed to register with the stove-pipe openings.

1,488,052. PISTON RING. ALBERT C. MCFARLANE, Hayward, Calif. Filed Nov. 4, 1920. Serial No. 421,724. 5 Claims. (Cl. 74—109.)



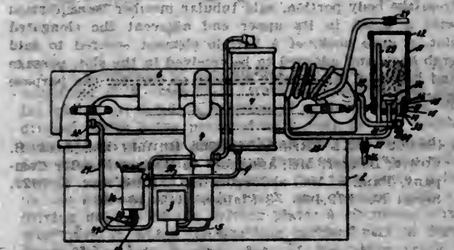
1. In a piston ring construction, a plurality of eccentric ring structures each having a joint in their thinnest part and a lug at the point of greatest thickness, said ring structures adapted to be assembled to produce a concentric piston ring with some of the joints co-operating with said lugs, and a compression ring adapted to be fitted to the inside of the assembled pieces for locking the same together.

1,488,053. BAFFLE FOR HEAT-EXCHANGE APPARATUS. ROBERT MCGREGOR, Ilford, England, assignor of one-third to Clayton and Shuttleworth Limited, Lincoln, England, and one-third to Philip Warwick Robson, Lincoln, England. Filed Mar. 14, 1922. Serial No. 543,752. 3 Claims. (Cl. 110—98.)



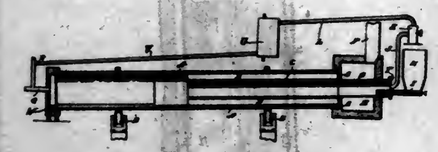
1. In a heat-exchange apparatus, tubes arranged in vertical rows with passages therebetween and deflectors situated in said passages, said deflectors being inclined to said tubes alternately in opposite directions.

1,488,054. FUEL VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. CHESTER J. MUSSY, Baker, Oreg. Filed Mar. 29, 1921. Serial No. 456,619. 1 Claim. (Cl. 123—25.)



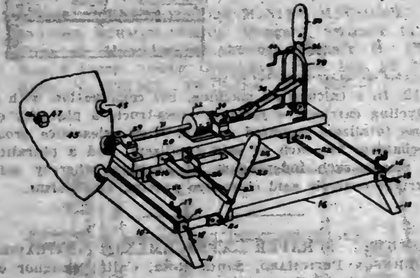
In means for supplying heated air and steam to the intake manifold of an internal combustion engine, a system controlled by the intake suction of the engine comprising an inverted jar having a cap secured thereon and being partly filled with water so as to leave an enclosed air space above the water, a tube fixed in the cap leading into the air space and connecting the same with the intake manifold, a second tube supported in the cap connecting the water with the first tube, a needle valve for controlling the port area of the second tube and a third tube supported in the cap adapted to supply heated air to the jar under the influence of the intake suction of the engine.

1,488,055. KILN FOR RECOVERY OF BY-PRODUCTS FROM FUEL. SPENCER B. NEWBERRY, Cleveland, Ohio; Andrew W. Newberry, executor of said Spencer B. Newberry, deceased, assignor of one-half to Andrew W. Newberry and one-half to Arthur C. Newberry. Filed Nov. 30, 1920. Serial No. 427,313. 10 Claims. (Cl. 222—7.)



10. A revolving kiln consisting of an outer metal cylinder lined with refractory material and containing an inner cylinder attached to, revolving with, and extending beyond the end of the outer cylinder, extending through a part of the length of and concentrically placed in the outer cylinder, with space for passage of gases between the inner and outer cylinders and around the extension of the inner cylinder, means for introducing material containing carbonaceous fuel into the inner cylinder, means for drawing off volatilised products from the inner cylinder, and for drawing regulated amounts of products of combustion from the outer cylinder into the inner cylinder, and for conveying combustible gas generated in the inner cylinder to the lower end of the kiln, means for supplying supplementary fuel and air to the lower end of the kiln, and means for discharging calcined products at the lower end of the kiln.

1,488,056. CIRCULAR-SAW GRINDER. ELIJAH C. ORR, Deer Park, Wash. Filed July 18, 1921. Serial No. 485,418. 3 Claims. (Cl. 76—45.)

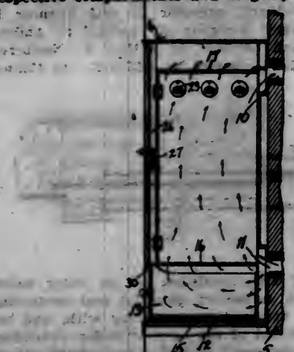


1. A circular saw grinder comprising a rotary grinding member, a rotatable shaft upon which said rotary grinding member is mounted, a sleeve engaging the shaft, a lever connected with such sleeve, as a means for adjusting the shaft, a table upon which said construction is mounted, a platform upon which said table is adjustable and inter-engaging rods between the table and the platform, serving as guides in the adjustment of the table with relation to the platform.

1,488,057. SHEET-METAL CLOTHING CLOSET OR LOCKER. MORRIS PILS, New York, N. Y. Filed Jan. 16, 1923. Serial No. 613,069. 1 Claim. (Cl. 45—37.)

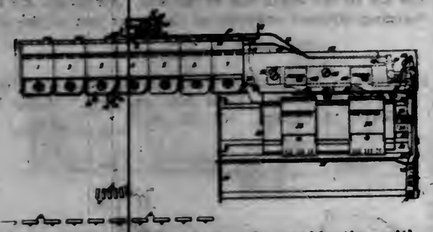
A clothing closet comprising a top, bottom and side walls, a rear wall having extensions insertible through a building wall and constituting an inlet opening in the lower portion and an exit opening in the upper portion communicating with the interior of the closet, the major portion of said rear wall being spaced from the building wall a plurality of vertical partitions dividing the closet into separate compartments, outwardly swinging

doors for each compartment, a sliding drawer below the respective compartments and hingedly connected closures



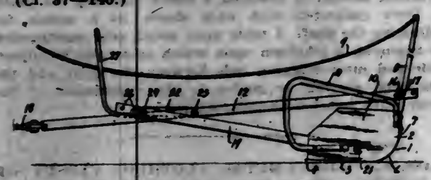
constituting the front wall of the closet and preventing the withdrawal of the drawer when the last mentioned closures are locked.

1,488,058. CALCULATING MACHINE. ARTHUR F. POOLE, Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1922. Serial No. 536,960. 12 Claims. (Cl. 235—59.)



12. In a calculating machine, the combination with a traveling carriage, a jumping cross-truck, a plurality of cross totalizers mounted on said truck, clearance proof mechanism for each of said totalizers, and a plurality of means each independent of another, whereby said carriage controls said clearance proving mechanism.

1,488,059. SCRAPER ATTACHMENT. NATHANIEL JOHNSON PRITCHARD, Santa Rosa, Calif., assignor of one-fourth to Jacob Thomas Mallory and one-fourth to John Kiergan Mallory, both of Santa Rosa, Calif. Filed Jan. 18, 1923. Serial No. 613,461. 9 Claims. (Cl. 37—140.)



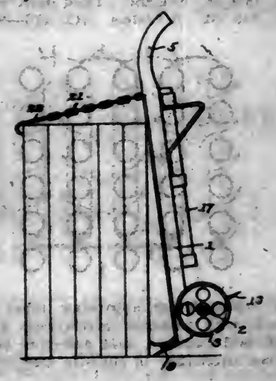
1. A scraper comprising a scoop bucket having a bottom member, an end member and two side members, a draw bar pivotally associated with the end member above the normal line of draft, a second bar engaging the side members, a pivoted hinge connecting the bars disposed to normally cause them to cooperate in pulling the load, and means allowing the position of the hinge to be changed whereby the whole load is transferred to the draw bar.

1,488,060. CORNER GUARD. JOHN PYNE, Harrisburg, Pa. Filed Mar. 17, 1922. Serial No. 544,608. 1 Claim. (Cl. 20—76.)



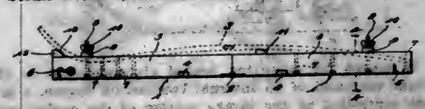
A guard comprising a triangular body portion, one corner of the body portion being curved inwardly and provided with a tapered extremity, one edge of the body portion being curved inwardly and upwardly and said tapered extremity adapted to pierce the article to which the device is secured.

1,488,061. TRUCK. FRANCIS HARRY QUINLAN, Barre, Vt. Filed May 5, 1922. Serial No. 558,600. 1 Claim. (Cl. 280—57.)



A wheeled truck of the character described comprising a tubular member longitudinally disposed intermediate the side members of said truck and being provided with an elongated slot having an angle passage arranged adjacent its inner terminal, said terminal being offset from the body portion, said tubular member being formed with a notch in its upper end adjacent the elongated slot, a grab hook, of a flexible element secured to said grab hook and adapted to be received in the slot, passage and notch of the tubular member as and for the purpose specified.

1,488,062. SKI PRESS. BIRGER RUHLIN and JACK B. COWIN, Bangor, Me., assignors to Bangor Novelty Company, Bangor, Me., a Corporation. Filed Aug. 3, 1922. Serial No. 579,460. 3 Claims. (Cl. 46—53.)



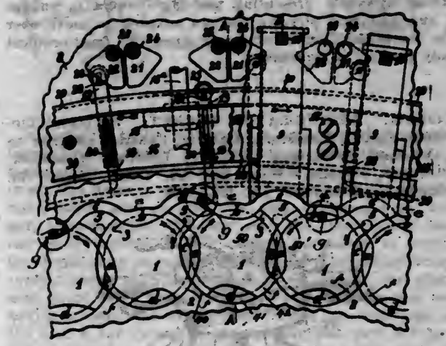
1. A ski-press comprising an elongated rectangular frame having an abutment secured to the upper side thereof at the forward end, a longitudinally adjustable clamping strip connected with the upper side of the frame adjacent said abutment for causing the ski to bear tightly against the latter, an adjustable clamping strip for cooperation with the opposite end of the ski, and a strip for placement between the ski and upper side of the frame for bowing the intermediate portion of the ski.

1,488,063. AGRICULTURAL IMPLEMENT. JOHN J. RUNCK, Republican City, Nebr. Filed Nov. 21, 1918. Serial No. 263,611. 1 Claim. (Cl. 97—155.)



A wheeled cultivator gang structure comprising a drag beam, a pair of gang arms pivotally connected with the beam, cross pieces on the beam for movably supporting the arms, a pulley having a vertical axis mounted on the beam, links connecting the pulley with the gang arms, spring means on said links for permitting yielding movement of the arms, an actuating cable passing around said pulley and in frictional engagement therewith.

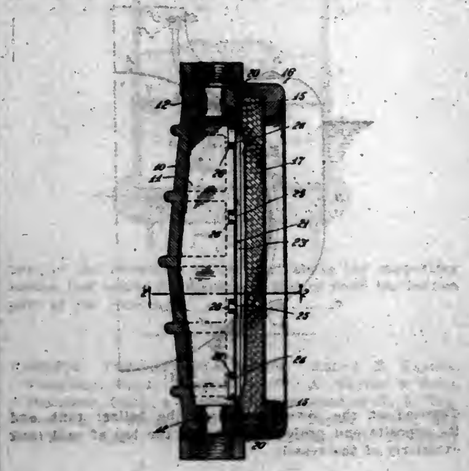
1,488,064. BRAIDING AND LACE-MAKING MACHINE. CARL SANDWEG, Langerfeld, near Barmen, Germany. Filed July 27, 1920. Serial No. 399,436. 5 Claims. (Cl. 96—11.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a braiding or lace making machine, a main track consisting of a track-plate, track-plate points and driving plates arranged in recesses of said track-plate, said driving plates being provided with four driving notches each, means for rotating said driving plates and for arresting them at each quarter turn, passage ways transversely intersecting or crossing the track-plate points on one side of said main track and forming with the driving notches of the driving plates a circuitous auxiliary track in which the braiding carriers may be transferred from one driving plate of the main track to another without crossing braiding carriers located on the main track, said passage ways being openable and closable by slides controlled by the pattern gear.

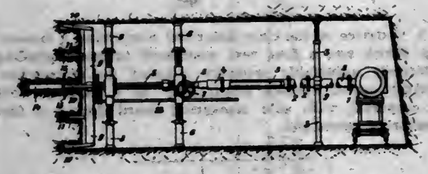
1,488,065. WATER GAUGE. GEORGE H. SARGENT, Chicago, Ill. Filed June 15, 1922. Serial No. 568,506. 8 Claims. (Cl. 73—54.)

1. In a water gauge, a main body portion formed to provide a water chamber and having openings at opposite ends thereof, a cover member provided with a sight opening and adapted to be secured to the front side of the main body portion, a sight-glass disposed across said sight-opening in said cover member and held against the forward side of the body portion by said cover member, and a partition or shutter disposed adjacent to the rear face of the sight-glass with the marginal edges



thereof clamped intermediate of the sight-glass and forward side of the main body portion, said partition or shutter being provided with openings to permit the water to enter intermediate of the rear face of the sight-glass and said partition or shutter.

1,488,066. TUNNELING OR MINING MACHINE. ALEXANDER SCHMIDT, Dorog, Hungary, assignor to the Firm of Maschinenbau-Aktiengesellschaft H. Flottman & Comp., Herne, Germany. Filed Dec. 30, 1921. Serial No. 525,963. 10 Claims. (Cl. 262—7.)



1. In a mining or tunneling machine the combination of a shaft for preliminary boring with two groups of cutting tools, one of which is cutting circular rings while the other is cutting vertically the rings thus produced.

1,488,067. APPARATUS FOR EMPTYING THE WATER-BALLAST TANKS OF SUBMARINES AND OTHER SUBMERSIBLE VESSELS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed June 29, 1923. Serial No. 648,558. 4 Claims. (Cl. 114—16.)

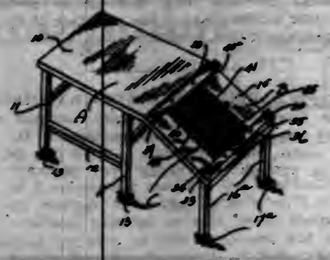
1. An apparatus for completely emptying the water-ballast tanks of submarines or other submersible vessels by means of compressed air or gas comprising a water filling and discharging valve at the lower part of the

ballast tank, an air discharging valve at the upper part of said tank, and a delivery pipe having one end



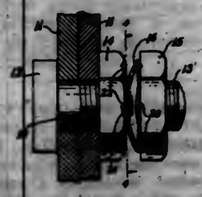
disposed at the lowest point of the ballast tank and its opposite end projecting through the top of said tank exteriorly of the vessel.

1,488,068. COMBINED FOOT REST AND MEASURE. SAM SCHWARTZ, Indianola, Miss. Filed Sept. 22, 1921. Serial No. 502,356. 3 Claims. (Cl. 33—3.)



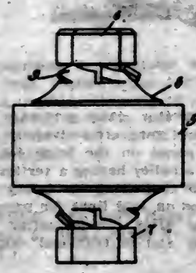
1. A device of the class described comprising a measuring board, and a foot rest positioned thereon including relatively adjustable members adapted for engagement against opposite sides respectively of a person's foot to cooperate with said measuring board during a foot measuring operation.

1,488,069. NUT LOCK. GEORGE WASHINGTON SEAGO, Hemphill, Tex. Filed Jan. 15, 1923. Serial No. 612,715. 2 Claims. (Cl. 151—15.)



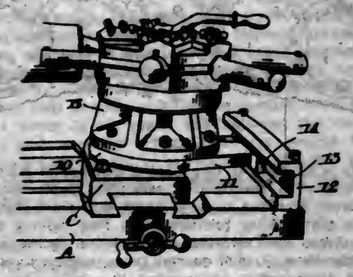
1. A lock nut comprising in combination with a bolt, a binding nut, a locking nut, a substantially V-shaped washer located between said nuts, engaging means between the washer and bolt, whereby the former is permitted movement longitudinally of the bolt, but held against rotary movement and means located upon opposite faces of the substantially V-shaped washer for engagement with the notches provided in the adjacent faces of the nuts.

1,488,070. LOCK WASHER. FRANK EMIL SEIFERT, Somerville, N. J. Filed Nov. 28, 1921. Serial No. 518,338. 1 Claim. (Cl. 151—35.)



A lock washer comprising in combination, a frusto-conical body portion, said body portion having slots formed transversely thereof, and having slots communicating with the transversely extending slots, the last mentioned slots extending in parallel relation with the periphery of the body portion, the sections of the body portion between the transverse slots being twisted to extend upwardly presenting piercing corners to engage a nut, and said piercing corners adapted to move over the contacting surface of a nut when the frusto-conical body portion is depressed.

1,488,071. ENGINE-LATHE TURRET. WILLIAM CLIFFORD SHAW, Woodstock, Ontario, Canada, assignor to Canadian Linderman Company, Limited, Woodstock, Ontario, Canada. Filed Dec. 20, 1922. Serial No. 608,050. 2 Claims. (Cl. 29—48.)



1. In a device of the character described and in combination, a tool post, a base for the same, a cross-slide supporting the base, a laterally extending supporting member connected to the tool post, and means for slidably engaging and supporting the end of the supporting member.

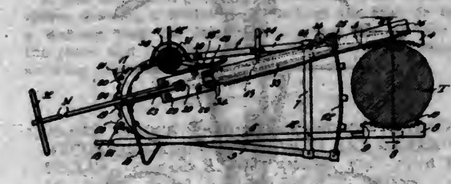
1,488,072. VEHICLE HEADLAMP. FREDERICK H. SHORB, San Diego, Calif., assignor of one-half to Wayne M. Knight and Thomas L. Knight, both of San Diego, Calif. Filed Dec. 23, 1921. Serial No. 524,521. 5 Claims. (Cl. 240—41.)

1. An anti-glare headlight lamp, including a housing, a pair of concave reflectors, one positioned above the other in said housing, a horizontal support extending across the middle of said housing at the juncture of said concave reflectors and secured to the opposite sides of said housing, said support being provided with in-



wardly extending flanges and with a reflecting medium on its inner side and a lamp positioned on the inner side of said support extending toward said reflectors.

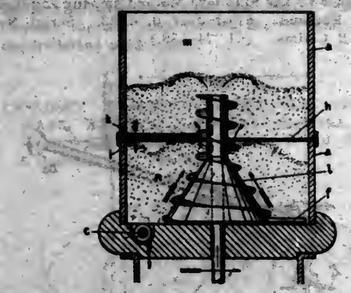
1,488,073. SAWING MACHINE. DANIEL W. SMITH, Bangor, Me. Filed Dec. 29, 1921. Serial No. 525,582. 1 Claim. (Cl. 143—61.)



A sawing machine comprising a substantially U-shaped frame having one of its arms longer than the other, a horizontally swinging track mounted on the frame between the arms, a guide for the track, a longitudinally reciprocable saw mounted on said track, a push and pull rod connected with said saw, the outer end of said rod being capable of free vertical movement to permit its elevation to be varied, a cross-brace extending transversely between and connected at its end to the aforesaid arms, said brace being provided with a slot and having closely spaced notches formed on one edge of the slot, a bar extending through the slot, said bar having a lateral projection adapted to be selectively disposed in one of said notches, said bar being formed at its outer end with a slot, the outer end of the long arm of the aforesaid frame being also provided with a slot, jaws arranged in said slot and pivotally connected intermediate their ends with the arms and the bar respectively, said jaws having limited swinging movement in one direction and having their inner toothed edges shaped to conform to the trunk of a tree, and an adjustable spring device mounted on the upper side of the frame, said device embodying a pivoted spring-pressed lever engaged with the track for exerting a yielding pressure on the latter.

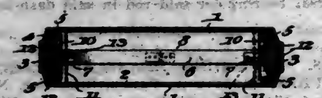
1,488,074. APPARATUS FOR DISPENSING POWDEROUS MATTER. OTTO SOINE and CARL PETERSEN, Brunswick, Germany, assignors to Amme, Giesecke & Konegen, Aktiengesellschaft, Braunschweig, Germany, Brunswick, Germany, a Corporation of Germany. Filed Dec. 12, 1923. Serial No. 680,285. 2 Claims. (Cl. 221—129.)

1. An apparatus for storing and dispensing powderous matter, comprising a receptacle, means within said receptacle located away from the bottom thereof for supporting the powderous matter and permitting the passage of powderous matter to the bottom part of the receptacle, means to return a part of the matter from the bottom



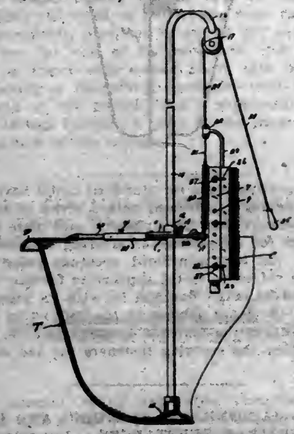
part of the receptacle to the part above the supporting means, and means for dispensing matter from the bottom part of the receptacle.

1,488,075. COLLAPSIBLE FORM. RALPH T. TAYLOR, Pasadena, Calif., assignor to W. A. Taylor & Sons, Pasadena, Calif., a Partnership composed of W. A. Taylor, Rea P. Taylor, and Ralph T. Taylor. Filed May 7, 1923. Serial No. 637,281. 5 Claims. (Cl. 25—131.)



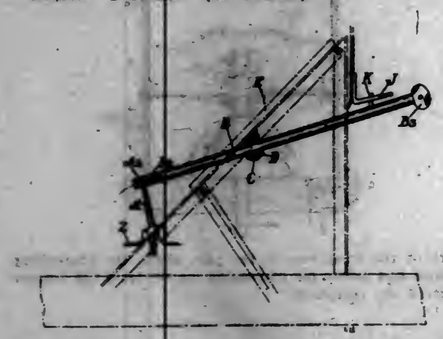
1. In a collapsible core, the combination with relatively expansible and contractible sides, of relatively expansible and contractible ends adapted to cooperate therewith, flexible connections between the sides which are positioned for operation by the ends when the latter are contracted, and means for expanding and contracting the ends.

1,488,076. BATH FIXTURE. MOSES E. TEBO, Laurel, Mont. Filed July 9, 1923. Serial No. 650,369. 3 Claims. (Cl. 4—158.)



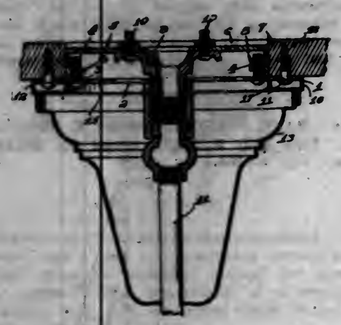
1. A bath fixture comprising, in combination, a post, a suction cup at one end of the post, a plate operatively engaged with the post and supported thereby, a second plate slidably engaged with the first named plate, a cleaning element carried by the second plate, and holding members operatively engaged with the first named plate.

1,488,077. CHANGE-SPEED-GEAR-OPERATING MECHANISM. WALTER RAYMOND TURNER, Coventry, England, assignor to The Standard Motor Company Limited, Coventry, England. Filed July 6, 1923. Serial No. 649,872. 2 Claims. (Cl. 74—39.)



1. In a change speed gear mechanism for motor vehicles, the combination with a universally mounted change speed lever, of a rod having a ball-and-socket connection with said lever and running through the dash-board, and a universal bearing for said rod in said dash-board.

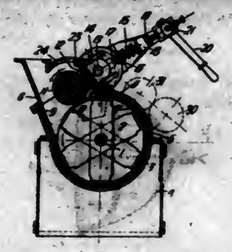
1,488,078. ATTACHING MEANS FOR ELECTRICAL FIXTURES. BENTON A. VANDY, Rochester, N. Y., assignor to Sarah Vandy, Rochester, N. Y. Filed June 14, 1921. Serial No. 477,600. 3 Claims. (Cl. 247—21.)



1. A supporting plate for standard outlet boxes having a central opening and formed with a series of supporting fastener openings near its periphery, said plate also having openings for the passage of securing fasteners for an outlet box, the last mentioned openings being so positioned with reference to the supporting fastener openings that a standard outlet box will lie with its edge in abutment when the inner surface of the supporting plate between the supporting fastener openings and the openings through which the securing fasteners for the outlet box pass.

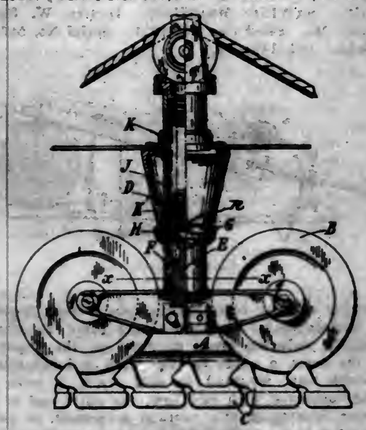
1,488,079. MACHINE FOR GRINDING AND PULVERIZING FRIABLE SUBSTANCES. JOHANNES PIETER VAN GELDER, Granville, near Sydney, New South Wales, Australia. Filed Aug. 22, 1923. Serial No. 658,751. 5 Claims. (Cl. 83—11.)

1. A machine for pulverising friable material, comprising a revoluble beater shaft, beater blades carried on the shaft, a horizontally disposed casing enclosing the beater blades, a grating in the lower part of the casing, a hopper at one side of the upper part of the casing, a shrouded pocket in the upper part of the casing, a pair



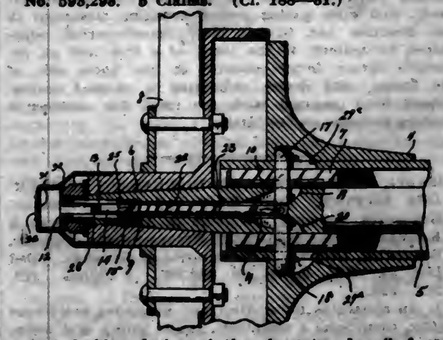
of rotary grinding rolls mounted in said pocket and disposed with their nip in the path of flight of particles of the material thrown upwards by the beater blades.

1,488,080. VEHICLE HAVING SELF-LAYING TRACK. SPIRITO MARIO VIALE, Coventry, England. Filed June 7, 1923. Serial No. 643,846. 5 Claims. (Cl. 305—9.)



1. In a vehicle having self-laying tracks, the combination of a flexible track, a bogie, guide wheels mounted upon said bogie and engaging said flexible track, a support for said bogie, a universal joint connecting said bogie and said support, and means adapted yieldingly to resist movement of said bogie relatively to its support.

1,488,081. VEHICLE LOCKING DEVICE. JOHN A. WATSON, Cincinnati, Ohio. Filed Oct. 9, 1922. Serial No. 593,298. 5 Claims. (Cl. 188—31.)



1. A locking device of the character described comprising a shaft having a bore extending through the ends

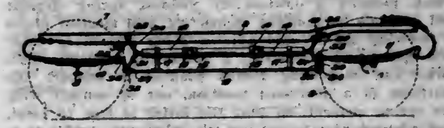
thereof, and branch passages leading from the bore, and locking means slidable in the bore and branch passages and arranged to engage a portion of the housing of the shaft.

1,488,082. METHOD AND MACHINE FOR PREPARING FRUIT FOR CANNING. GEORGE WILCOX, Riverside, Calif., assignor to California Canning Machinery Co., a Corporation of California. Filed Jan. 13, 1923. Serial No. 612,510. 63 Claims. (Cl. 146—28.)



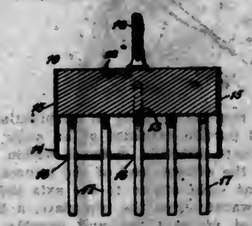
1. The method of preparing drupaceous fruit which includes drawing a flexible loop through the fruit in such a manner that the loop passes across the surface of the stone and in substantial contact therewith, thereby severing the meat of the fruit from the stone.

1,488,083. SHOCK ABSORBING AND DISTRIBUTING MECHANISM FOR AUTOMOBILES AND OTHER VEHICLES. EDWARD R. WOLF, Miami, Fla. Filed Jan. 16, 1922. Serial No. 529,564. 20 Claims. (Cl. 280—104.)



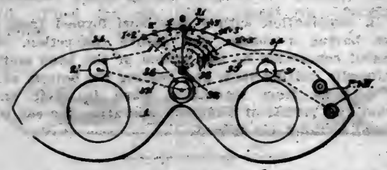
9. In combination, vehicle running gear and a body, vehicle springs interposed between and connecting the body with said running gear, a frame mounted on said springs and disposed below said body, shock-transmitting means carried on said frame, and shock-absorbing means through which pressure is transmitted between said shock-transmitting means and one or more of said first-named elements.

1,488,084. NOZZLE FOR PLANT SPRAYERS. KELLEY G. YONCE, Ridge Spring, S. C. Filed Aug. 17, 1922. Serial No. 582,463. 2 Claims. (Cl. 299—101.)



1. A discharge nozzle for insecticide sprayers and the like comprising a head block having a liquid inlet and a discharge passage leading from said inlet to the underside of said block, a trough secured to the block and disposed beneath the bottom face thereof and having discharge outlets in the bottom thereof, flexible discharge strips arranged at one end beneath the bottom of the block and extending into the trough and outwardly through the discharge outlets thereof, and a handle for manipulating said nozzle.

1,488,085. ELECTRIC SPECTACLE, GOGGLE, OR MASK LIGHT. LADISLAUS ZACHARA, Bremerton, Wash. Filed Mar. 12, 1920. Serial No. 365,200½. 5 Claims. (Cl. 240—2.)



1. An electric spectacle, goggle or mask having on its surface two combined lamps for lighting, one being inside the other, the outside lamp formed to constitute a reflector for the inside lamp, the outside lamp having coloring applied thereto to eliminate glare, or mirroring to increase the light from inside walls or outside walls of the outside lamp.

1,488,086. HOG WATERER. CHARLIE ZIEGLOWSKY, Ainsworth, Iowa. Filed Apr. 3, 1923. Serial No. 629,632. 2 Claims. (Cl. 119—73.)



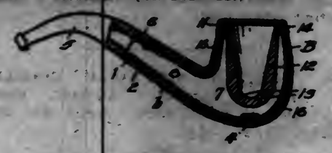
1. A hog watering device including a receptacle, a trough disposed within the receptacle and having peripheral flanges resting on the edge of the receptacle and spacing the walls of the trough from the side walls of the receptacle, openings in one of the said flanges, a cover over one end of the receptacle and trough and having its upper wall spaced above said openings, the cover having a depending apertured wall intermediate the length of the trough, and a supplemental mud receiving trough forming a part of the cover and in the other portion of the trough.

1,488,087. PARALLEL-RULING APPARATUS. GIOVANNI ZOVICH, Trieste, Italy. Filed Sept. 8, 1921. Serial No. 499,222. 4 Claims. (Cl. 33—109.)



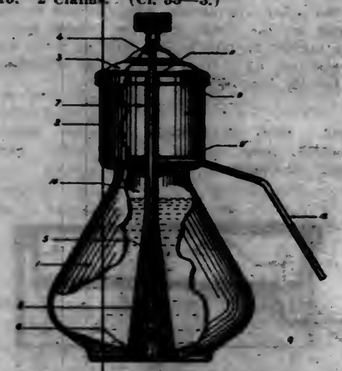
1. A parallel ruling apparatus, comprising a ruler provided with a pair of transverse slots, a roller adapted to project through each slot, an axle carrying said rollers, and spring connections rotatably connecting said axle to said ruler, and normally maintaining said ruler out of contact with the surface on which said rollers travel, said spring connections comprising two leaf springs, one end of each spring being secured to said ruler and the other end being provided with an eye through which said axle rotatably passes.

1,488,088. TOBACCO PIPE. ROLAND T. WRIGHT, St. Louis, Mo., assignor of one-half to John H. Buncher, St. Louis, Mo. Filed Dec. 12, 1921. Serial No. 521,676. 4 Claims. (Cl. 131—12.)



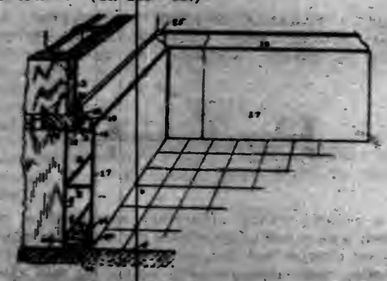
1. In combination with a pipe bowl formed from two halves having a tongue and groove connection, of a concealed connection at the bottom of the bowl sections for hingedly uniting them and holding the bottom of the bowl sections from separating when in their closed position and permit of complete separation thereof when the bowl sections are opened.

1,488,089. EXPRESS COFFEEPOT. MARIO BONTEMPI, New York, N. Y. Filed Oct. 25, 1922. Serial No. 596,815. 2 Claims. (Cl. 53—3.)



1. A coffee pot comprising a boiler open at the top, a cup having a bottom to be fitted to the top of the boiler and close same, the boiler having a cavity in its bottom, a cover for the cup, and a connecting member passing through said cover and the bottom of the cup and fastened to the bottom of the said boiler adjacent the centre of said cavity, to hold the cup, the cover, and the boiler together.

1,488,090. CONDUIT BASEBOARD. JACOB BUHR, Cleveland, Ohio, assignor to Charles Woodward, Cleveland, Ohio. Filed Mar. 2, 1922. Serial No. 540,560. 16 Claims. (Cl. 189—65.)



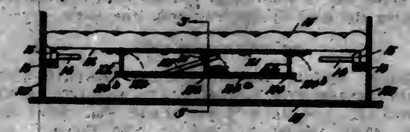
1. A metal base-board member having a horizontal wall provided with vertically extending prongs adapted to be forced upwardly into an overhanging portion of a wall to anchor said member, and a separate floor strip detachably connected with the bottom portion of said member.

1,488,091. CASE OR CONTAINER FOR TOBACCO CARTRIDGES. GEORGE FREDERICK BULL, Birmingham, England. Filed May 24, 1922. Serial No. 563,288. 2 Claims. (Cl. 206—41.)



1. In a case or container for tobacco cartridges having a cartridge holder and a tubular plunger for ejecting the tobacco therefrom, means for securing the lid or cover of the case or container in the closed position, comprising a headed pin or stud upon one member of the case or container, a longitudinal slot in the plunger of such width as to contain the body of the stud, and an enlargement in said slot designed to permit the passage of the head upon the closing of the case with the plunger in its outermost position and to secure the parts of said case against opening when the plunger is depressed.

1,488,092. ANTISAGGING ADJUNCT FOR FLEXIBLE BEDS. RALPH N. BURBANK, Somerset, Mass. Filed May 16, 1923. Serial No. 639,273. 6 Claims. (Cl. 5—226.)



1. A converting adjunct for use with a spring bed which includes a downwardly yielding spring element and a frame horizontally supporting said element above a receiving space; said adjunct being formed to enter said space, and comprising a practically inflexible platform, and supporting means adapted to support the platform in a depressed position, out of contact with the spring element, so that the latter is free to yield, and adapted also to support the platform rigidly in a raised position in contact with said element, so that the bed is converted into an unyielding seat.

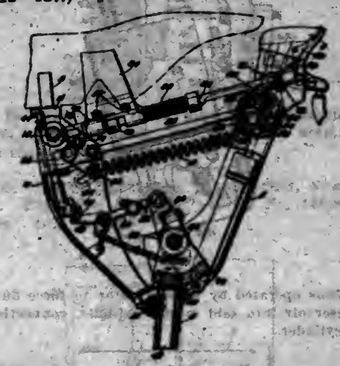
1,488,093. SAFETY RAZOR AND THE LIKE. CHARLES E. CARPENTER, Chicago, Ill., assignor to T-C Kit Strop Company, Chicago, Ill., a Corporation of Illinois. Filed May 11, 1922. Serial No. 560,009. 5 Claims. (Cl. 30—12.)



5. A safety razor comprising in combination a handle having its end portion extended at an angle and bifurcated, a pin plate pivotally mounted within said bifurcated portion, the extreme end of the bifurcated portion being formed at right angles to the axis thereof, a pin projecting outwardly from the pin plate, a blade guard loosely mounted on said pin and capable of pivotal movement thereon, there being an enlarged head on the extreme end of the pin above the front face of the guard, a blade seated against the guard and having in its upper portion a slot having an enlarged passage of size to pass the head of the pin, whereby the blade

may be set over the head of the pin and then shifted sidewise into position on the guard, and whereby when the handle is turned with respect to the guard to bring the extreme end of its bifurcated portion square against the back face of the guard the pin is drawn rearwardly with respect to the guard to thereby clamp the blade against the guard, substantially as described.

1,488,094. SHOE-SUPPORTING JACK. JAMES CAVANAGH, Dorchester, and LAURENCE E. TOPHAM, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 5, 1920. Serial No. 356,565. 12 Claims. (Cl. 12—127.)



1. A shoe supporting jack having, in combination, a support for a lasted shoe, one or more devices for engaging the upper and causing the same to conform to the last, operating to hold the upper in position to be attached to a ribbed sole during the formation of a line of fastenings through the upper and rib in a plane parallel to the sole surface, means for supporting said devices for movement into and out of operating positions, and automatically acting mechanism for actuating said devices.

1,488,095. METAL DOOR. ANDREW J. CONNELL, College Point, N. Y., assignor to Superior Steel Door and Trim Co., Inc., College Point, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 477,903. 3 Claims. (Cl. 189—33.)



1. A metal door or like structure embodying, in combination, a frame member comprising a single piece of sheet metal bent to provide a substantially channel-shaped body portion, integral molding portions and portions disposed in substantially the plane of the side walls of the body portion and also being further bent to provide portions extending toward the center line of the said body portion at substantially a right angle to the said side walls, said inwardly and centrally disposed portions forming the sides and bottom of a panel socket; and a panel seated in said socket.

1,488,096. TIRE TOOL. SAMUEL L. CRAGGS, Chicago, Ill. Filed Jan. 19, 1922. Serial No. 530,255. 2 Claims. (Cl. 152—27.)



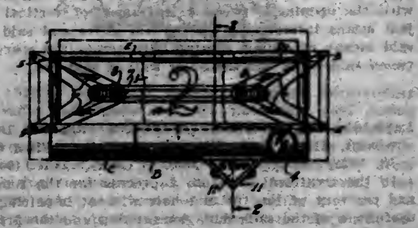
1. A tire tool comprising a pair of relatively rigid members and a handle, one of said members being comparatively short and adapted to hook around the inner margin of one side of a tire casing and the other of which is curved conformably to the outside of the casing and of sufficient length to engage the outer portion of the casing at a point remote from the point engaged by the short member when the handle has been swung to spread the casing.

1,488,097. DENTIFRICE. HENRY N. CREGER, San Francisco, Calif. Filed Mar. 9, 1922. Serial No. 542,471. 5 Claims. (Cl. 167—9.)

1. A dentifrice having as a principal ingredient thereof the gummy exudation of the *Eucalyptus rostrata* in a vehicle of dental paste.

3. A dentifrice comprising in combination, extract of *Eucalyptus rostrata* in a vehicle of dental paste composed of gum tragacanth, glycerine, powdered soap, essential oils, powdered myrrh, calcium carbonate, saccharine, zinc chloride and water.

1,488,098. AUTOMOBILE LICENSE-PLATE HOLDER. CONSTANTINOS CRITHARIS, St. Louis, Mo. Filed May 21, 1923. Serial No. 640,444. 3 Claims. (Cl. 40—155.)

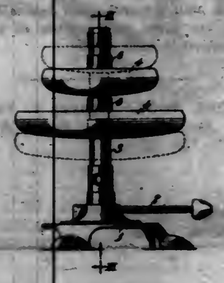


1. A license-plate holder comprising a frame composed of a plurality of telescopically shiftable members for adjustably supporting license-plates of varying dimensions, in combination with means for releasably locking the frame-members in adjusted shifted positions, said means including a slotted bar disposed longitudinally of the frame and pairs of arms having sliding and pivoted connection with the bar and pivoted connection at their ends with the frame members.

1,488,099. DENTAL APPLIANCE. LEON DE FERNELMONT, Clifton, N. J. Filed Mar. 16, 1923. Serial No. 625,576. 4 Claims. (Cl. 126—350.)

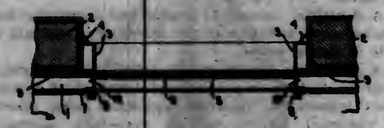
4. In a dental appliance, a burner comprising a suitable base having a gas inlet tube and upright flame tube, and a heating tray surrounding the flame tube and pro-

vided with a sleeve frictionally embracing said flame tube for adjustably conditioning the tray upwardly and downwardly along the tube toward and away from the



flame, said sleeve upraising from the bottom of the tray a sufficient distance to keep the contents of the tray from contact with the flame tube.

1,488,100. ELEVATOR INCLOSURE. ROGER W. DIEBOLD, Cleveland, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1923. Serial No. 645,839. 4 Claims. (Cl. 20—19.)



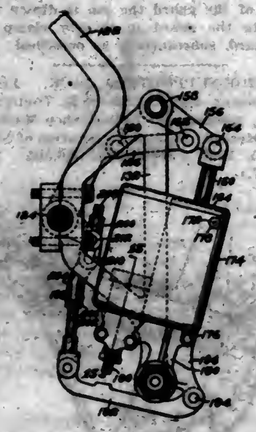
1. In combination with an elevator inclosure comprising spaced door frames and doors mounted adjacent said frames and cooperating together to normally close the opening therebetween, and a car spaced from said inclosure and having an opening in one side registering with the opening between said frames, of vertical subjam means interposed between said doors and said car, said means extending substantially across the space between said doors and the outer wall of said car.

1,488,101. TREATMENT OF SKINS. GEORGE DUCKWORTH, Albert Park, Victoria, Australia. Filed Sept. 13, 1922. Serial No. 588,090. 1 Claim. (Cl. 149—2.)

In the treatment of skins a process for the removal and recovery of the fur and hair without impairing the usefulness of the said skins for tanning and the production of leather consisting of first immersing the skins in a weak solution of sulphide of soda (approximately 3%) for the requisite period for the removal of blood and fatty matter (approximately 12 hours) then subjecting the said skins to treatment with a solution of ammonia maintaining the skins therein at a temperature of from 80° to 120° F. for a period of about 12 hours and then subjecting the said skins to a sweating operation for a period of from 12 to 24 hours and finally removing the fur or hair by mechanical means substantially as set forth.

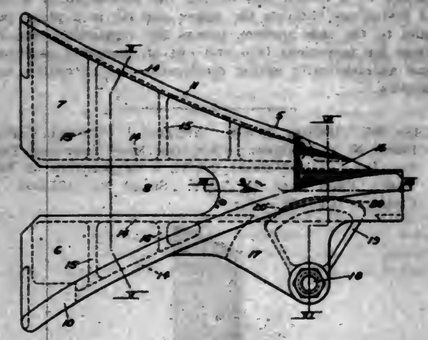
1,488,102. BRAKE SYSTEM. FREDERICK S. DURSEMBERG, Indianapolis, Ind. Filed Nov. 2, 1921. Serial No. 512,316. 41 Claims. (Cl. 188—152.)

6. In a fluid brake system, the combination of brake cylinder and piston; a master cylinder and piston; connections leading from said master cylinder to said brake cylinder; a master piston actuator; a fluid reservoir;



and means operated by said actuator to force fluid from said reservoir into said master cylinder, connections and brake cylinder.

1,488,103. CAR REPLACER. THOMAS H. EDELBLUTE, Pittsburgh, Pa. Filed Oct. 10, 1923. Serial No. 667,648. 9 Claims. (Cl. 104—270.)



1. A car replacer comprising a plate designed to straddle a rail and having spaced apart inclined wings joined together at their upper ends by a bridge portion, said bridge portion having a convexed rail engaging surface on the under side thereof, said bridge having an inclined face on the under side thereof extending from the convexed surface to the end of the plate, whereby the uppermost end of the plate may rock downwardly onto a rail after a wheel has moved past the convexed surface.

1,488,104. PARTING STRIP FOR WINDOWS. FREDERICK EHRSAM, Reading, Pa. Filed Oct. 14, 1922. Serial No. 594,436. 2 Claims. (Cl. 20—12.)

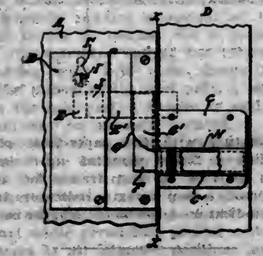
1. In a window construction, a window frame formed with a groove in its jamb, a plate of relatively soft metal forming a closure for the groove and of a width greater than that of the groove, said plate having a projection

thereon which extends into the groove and lies normally against one wall thereof but does not contact with the



base of the groove, a strip of wood rockably mounted on the plate, a window sash, and means for keeping the strip in contact with the sash.

1,488,105. LOCK. MORRIS S. FINKELSTEIN, New York, N. Y. Filed Feb. 28, 1922. Serial No. 539,867. 3 Claims. (Cl. 70—14.)



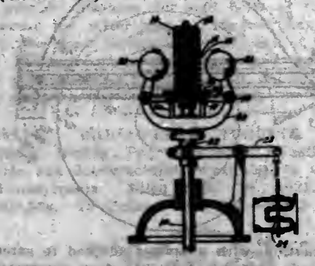
1. A lock comprising a frame and a plate portion, said frame having a slot and recess therein, a main bolt carried by said frame, a brace bolt slidably mounted on said plate portion adapted to cooperate with said slot and recess and controlled by said main bolt.

1,488,106. INTAKE FOR OIL-WELL PUMPS. JEREMIAH J. FITZPATRICK, Tulsa, Okla., assignor to Eagle Manufacturing Association, organized under a Declaration of Trust. Filed Feb. 5, 1923. Serial No. 617,178. 3 Claims. (Cl. 103—220.)



1. An intake for oil well pumps comprising a casing adapted to be arranged on the lower end of a working barrel, said casing being of greater cross-sectional area than the cross-sectional area of said working barrel, the lower end of said casing being provided with an opening of reduced cross-section, an intake pipe adapted to be arranged in said opening, the lower end of said casing being provided with spaced recesses surrounding said opening, and a casing surrounding said intake pipe and secured to the lower end of said first casing whereby communication with the interior of said second casing is permitted through said recesses.

1,488,107. GOVERNOR. WARREN B. FLANDERS, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 24, 1920. Serial No. 426,159. 8 Claims. (Cl. 264—3.)



1. In a governor, the combination of a spindle, a plurality of weights carried by and mounted to swing about axes which are transverse to the axis of the spindle, inwardly-projecting arms carried by the weights, spring means cooperating with the inward-projecting arms to oppose the centrifugal effect of the weights, and an abutment member for the other end of the spring including a helical rib engaged between convolutions of the spring and decreasing in pitch in the direction away from said arms.

1,488,108. TURBINE DRIVEN BY WATER OR STEAM. OTTO GÄTZI, Zurich, Switzerland. Filed Jan. 16, 1922. Serial No. 529,622. 1 Claim. (Cl. 253—40.)



A turbine comprising a rotor, a casing surrounding the same and spaced radially therefrom, said casing having a lengthwise exhaust slot and being double-walled to form an annular chamber interrupted only by the walls of the exhaust slot, nozzles extending inwardly from the casing tangentially of the rotor for directing fluid pressure thereon, a branched inlet leading into the annular chamber of the casing immediately below the exhaust slot, and a series of pressure-control valves arranged above the slot to open under excessive pressure in the annular casing chamber.

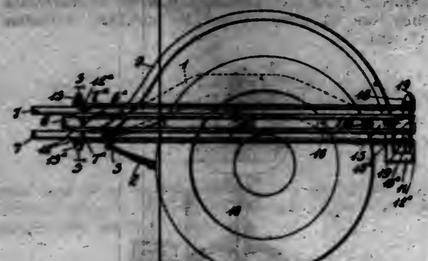
1,488,109. CIGARETTE CASE AND LIGHTER. JOHN GEMEINHARDT, Little Falls, N. J. Filed Dec. 1, 1922. Serial No. 604,362. 5 Claims. (Cl. 131—59.)



1. In a device of the class described, the combination of an inner and an outer casing, said outer casing provided with an opening, a plurality of containers between said casings, each container provided at one side with

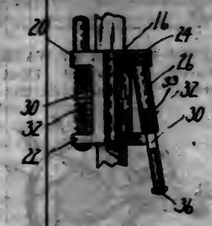
a pair of parallel flanges and upon its other side with a lug, the legs of the containers fitting between the parallel flanges, each container provided with a grip, said grip adapted to be positioned contiguous to said opening in the outer casing for permitting an operator to propel the containers around the inner casing, and means for lifting cigarettes out of the casing from the containers.

1,488,110. SIDE BUMPER FOR AUTOMOBILES. CHRISTIAN GIEL, Kalamazoo, Mich. Filed July 19, 1923. Serial No. 653,523. 14 Claims. (Cl. 293—57.)



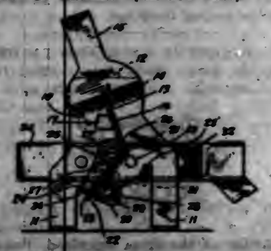
1. The combination, with a bumper adapted to extend across the side of a wheel and fender of an automobile, of means pivotally supporting each end of said bumper, whereby it may be swung about either end to permit access to the fender or wheel.

1,488,111. TENSION WEIGHT FOR BRAID CARRIERS. BARTHOLOMEW J. GOSNEIGHER and ROBERT A. SNEED, Louisville, Ky. Filed Oct. 1, 1923. Serial No. 665,765. 6 Claims. (Cl. 94—15.)



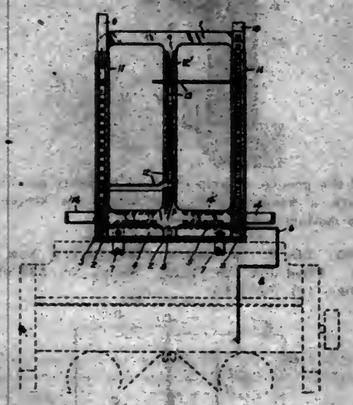
4. A cord braider including in combination a tension frame, a bobbin, a tension weight member slidable on the frame, said tension weight member including readily removable plungers, and a helical spring surrounding each plunger having one end cooperating with the weight member and the other with the plunger, and having its entire length readily accessible.

1,488,112. LEVER MECHANISM. ROBERT A. GOELLER, New York, N. Y., assignor of one-half to Benjamin Gross, New York, N. Y. Filed Dec. 12, 1921. Serial No. 521,650. 12 Claims. (Cl. 200—67.)



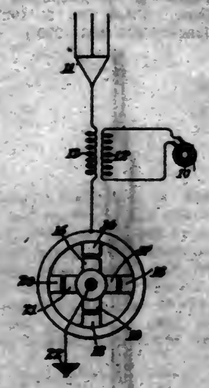
1. In combination, a frame, a member pivoted thereon, toggle means for swinging said member on its pivot, a second member pivoted on said frame on a pivot spaced from the pivot of the first mentioned member and a link pivoted to both of said members, the link pivots and pivot of the first member being substantially alined in their initial positions.

1,488,113. TYPEWRITER DEVICE. ENRIQUE SALAS GONZALES, Santiago, Chile. Filed Apr. 12, 1921. Serial No. 460,825. 11 Claims. (Cl. 197—189.)



1. In combination with the paper-table of a typewriting machine, a frame mounted upon said paper-table, a scale slidable in said frame for adjustment lengthwise thereof, a top margin indicator and a bottom margin indicator adjustable lengthwise of said scale.

1,488,114. RADIO TELEGRAPHY AND TELEPHONY. JOHN HAYS HAMMOND, JR., Gloucester, Mass. Original application filed Aug. 24, 1912, Serial No. 716,864. Patent No. 1,296,504, dated Mar. 4, 1919. Divided and this application filed Feb. 24, 1919, Serial No. 278,878. Renewed Aug. 25, 1923. 4 Claims. (Cl. 250—17.)



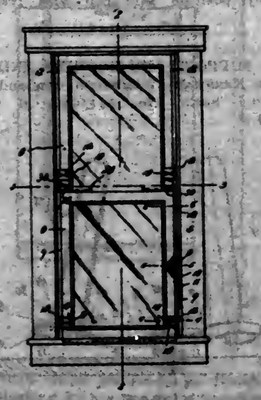
1. In a radio transmission system, the combination with a transmitting circuit arranged to emit high frequency waves, of means for impressing periodic amplitude variations upon said waves by periodically varying an electrical constant of the transmitting circuit in such a manner that the time-intensity curves shall be peaked.

1,488,115. ADJUSTABLE SHOE TREE AND STRETCHER. JOHN S. HANSEN, Brockton, Mass., assignor to O. A. Miller Treeing Machine Company, Brockton, Mass., a Corporation of Massachusetts. Filed Apr. 19, 1922. Serial No. 555,622. 1 Claim. (Cl. 12—128.6.)



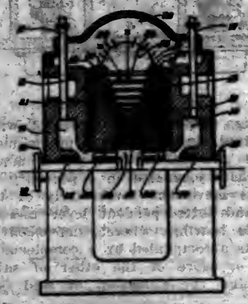
A shoe tree of the kind described comprising a fore part, a heel part, a vertically arranged passage in each of the parts, said passages being in alinement with each other to form practically a single continuous passage, pivot shafts in the fore part and heel part arranged parallel with each other and extending transversely of the passages, a connecting link pivotally mounted at one end to the pivot shaft in the fore part and provided with a slot surrounding the pivot shaft in the heel part whereby relative movement of the heel part with respect to the connecting link is permitted, a rack formed on the rearward end of the connecting link, a pinion meshing with said rack, means for rotatably mounting the pinion in the heel part, a shaft rotatably mounted in the heel part, a handle on said shaft whereby the same may be manually rotated, a worm formed on the lower end of said shaft and meshing with the pinion, means for retaining said shaft in assembled position on the heel part with the form in mesh with the gear wheel whereby rotation of the worm will effect a to and fro movement of the heel part relatively with the fore part while permitting pivotal action of the toe and heel parts at all adjusted positions and will simultaneously and automatically lock the heel and toe parts in adjusted position through the frictional engagement of the worm and rack engaging pinion.

1,488,116. WINDOW CONSTRUCTION. WILLIAM JUDD HEATH and HAROLD D. HEATH, Brooklyn, N. Y. Filed Sept. 14, 1923. Serial No. 662,627. 2 Claims. (Cl. 20—49.)



1. In a window construction, the combination with a frame having vertical guide ways, of a pair of supplemental stiles longitudinally each slidable in one of said guide ways a sash positioned between the supplemental stiles of each pair, said supplemental stiles having longitudinal recesses in the outer sides thereof, leaf springs having outwardly bowed central portions arranged within said recesses, and screws extending through the central portions of said springs and through the supplemental stiles and threaded into the sash stiles for pivotally mounting the sashes for swinging movement upon horizontal axes, the supplemental stiles of each pair being provided with notches in the inner faces thereof near their upper ends, and outwardly projecting pins upon the sash stiles adapted to seat within said notches for limiting the sashes to their proper vertical position relative to the supplemental stiles and for preventing rearward swinging movement of the upper ends of the sashes, the lower rail of the upper sash and the upper rail of the lower sash having super-imposed packing strips secured thereto, the packing strip of the lower sash being cut away at its end to provide clearance for said bolts of the upper sash whereby the latter may be lowered, and locking bolts upon the upper surface of the top rail of the lower sash for holding both sashes closed and formed to cover the spaces formed by cutting out the ends of the packing strips carried by the lower sash.

1,488,117. RADIAL-FLOW TURBINE. HERBERT T. HOSS, Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 30, 1921. Serial No. 504,534. 10 Claims. (Cl. 253—16.5.)



1. In an elastic-fluid turbine, the combination of oppositely-rotating rotors having concentric rows of interleaving blades through which elastic fluid flows in a radial direction and a last row of moving blades having discharge edges so shaped as to provide for the discharge of elastic fluid both radially and with bilateral components of direction.

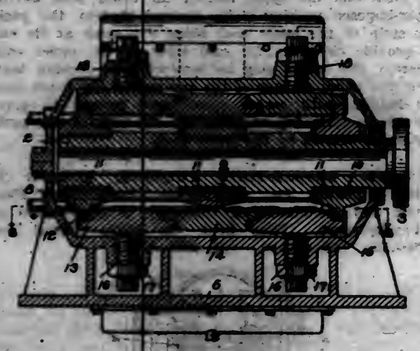
1,488,118. HANDLE FOR SPRING INSTRUMENTS. CHARLES HILL and FRED HILL, Brooklyn, N. Y. Filed Aug. 23, 1923. Serial No. 658,809. 3 Claims. (Cl. 74—33.)



1. A crank handle comprising a spindle, a crank arm freely rotatable on said spindle, a flange rigid on said spindle, a pawl pivoted on said crank arm, a pin ex-

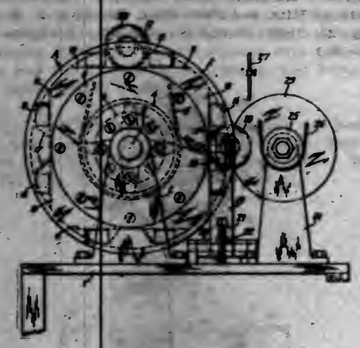
tending from said flange and adapted to engage the pawl lever to cause the crank arm and spindle to rotate in unison, housing on said crank arm having an internal thread at one end, a screw seat engaging said thread, a plunger normally extending from said housing, and means for urging the plunger outwardly.

1,488,119. GEARING. HARRY A. S. HOWARTH, Pittsburgh, Pa. Filed Aug. 4, 1919. Serial No. 315,284. 15 Claims. (Cl. 74—7.)



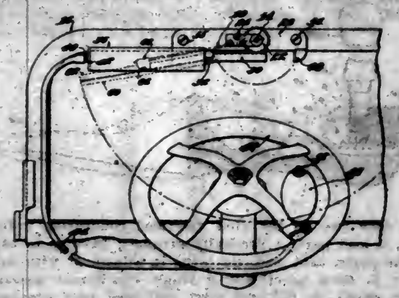
1. In gearing, a gear wheel provided with a shaft journaled in fixed bearings, and a pinion meshing with said gear and provided with a pinion mounting consisting of a shaft journaled in a plurality of bearings having relative movement transversely of the axis of said pinion, and interdependent lever means pivotally supporting said bearings whereby movement of one of said bearings is accompanied by a complementary movement of one or more of the other of said bearings withut disturbing the alinement of said bearings.

1,488,120. MACHINE FOR SKIVE-SPLITTING ANNULAR ARTICLES. CECIL R. HUBBARD, Cleveland, Ohio, assignor to The Mechanical Rubber Company, Cleveland, Ohio, a Corporation of New Jersey. Filed June 21, 1923. Serial No. 646,766. 10 Claims. (Cl. 164—61.)



1. A machine for skive splitting annular articles comprising rotatable complementary gripping means for holding an annular article inclined to the plane of rotation, and cutting means in the path of said article and movable in a plane parallel to the plane of rotation.

1,488,121. APPARATUS FOR CLEANING WIND-SHIELDS. CHESTER W. JOHNSON, Lexington, Mass., assignor of one-half to Walter A. Hopkins, Brookline, Mass., and one-fourth to Charles E. Tilton, Tilton, N. H. Filed June 16, 1921. Serial No. 478,113. 4 Claims. (Cl. 15—255.)



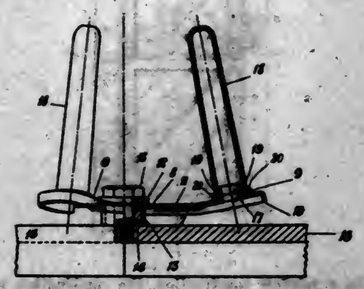
1. In a cleaner for wind-shields and the like, a fluid pressure operated means, a cleaning mechanism connected thereto, a manually operated pump in open communication with said fluid pressure operated means to induce pressure in said fluid pressure operated means.

1,488,122. ADJUSTING PLUG FOR MEASURING CHAMBERS. WINFRED H. JURGENS, Cleveland, Ohio, assignor to The H. J. McCue Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 30, 1922. Serial No. 597,665. 4 Claims. (Cl. 23—165.)



1. An adjustable measuring plug comprising a body member provided with means adapting the same to be engaged in the wall of a chamber, a tubular cap slidably and snugly fitting over the same, and means adapted to variously position said cap with respect to said member.

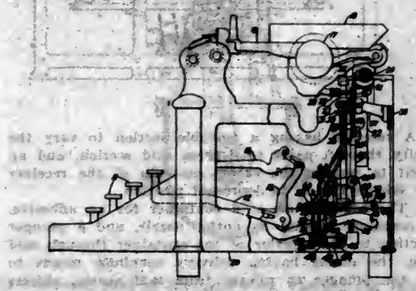
1,488,123. SUPPORT FOR BOBBINS AND THE LIKE. GRINDROD KERSHAW, Whitworth, England. Filed Nov. 18, 1920. Serial No. 424,939. 6 Claims. (Cl. 242—130.)



4. A revolvable support for use in a creel der holding yarn bodies with the beginning of the thread of one connected to the end of the thread of another comprising a basal part of metallic plate having the requisite disposition of its various parts brought about by relative

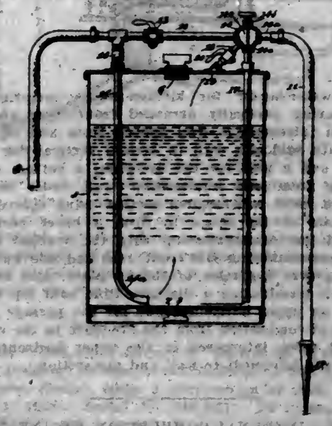
displacement of parts of the metallic plate and having a central orifice and a plurality of arms extending in curved form out of the plane of the central part and in each arm a central depression and integral strengthening flanges around the central orifice and the periphery of the basal part and provided with a plurality of inclined holding devices and coacting means for their attachment.

1,488,124. TYPEWRITING MACHINE. SEYED KHALIL, Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 24, 1922. Serial No. 531,350. 19 Claims. (Cl. 197—84.)



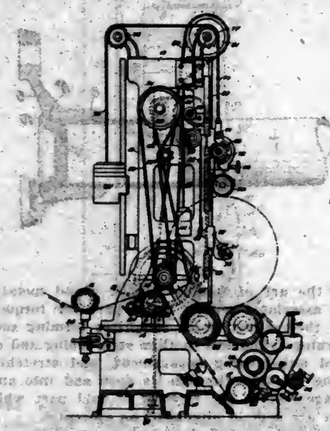
1. In a typewriting machine, in combination, a carriage, escapement mechanism therefor comprising an escapement wheel having a regular step-by-step movement, and a gear-shift connection between the escapement wheel and the carriage to enable the movement of the carriage relative to the escapement wheel to be varied, character keys, and means actuable by said keys for selectively controlling the gear-shift connection in accordance with the keys depressed.

1,488,125. SPRAYER. ALVIN H. KLINE, Cedar Rapids, Iowa. Filed Jan. 22, 1923. Serial No. 614,000. 3 Claims. (Cl. 299—84.)



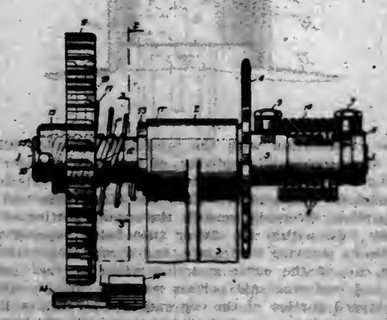
1. In a sprayer, a closed receptacle for liquid, a main air-pipe communicating with a source of compressed air, a cock therein, a pipe depending into the liquid from the main pipe back of the cock, a liquid supply pipe extending from near the bottom of the receptacle to the main pipe forward of said cock, a valve therefor, and a diagonal pipe provided with a regulating cock extending from near the outlet of said supply pipe to an outlet in the upper part of the receptacle.

1,488,126. PAPER SLITTER AND WINDER. SAMUEL M. LANGSTON, Wenonah, and KARL SIEG, Brooklawn, N. J., assignors to Samuel M. Langston Company, Camden, N. J., a Corporation of New Jersey. Filed June 9, 1921. Serial No. 476,366. 18 Claims. (Cl. 242—66.)



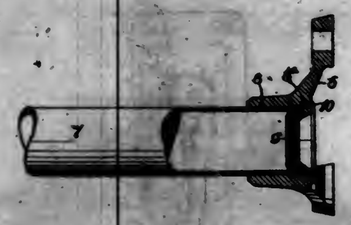
1. Winding mechanism, including rack bars, a riding or pressure roller movable vertically as the roll of material being wound increases in size, a shaft parallel to and movable with said pressure roller, pinions on said shaft adjacent to opposite ends thereof and meshing with said rack bars to prevent relative vertical movement of the opposite ends of said roller and adjustable means for varying the resistance to rotation of said shaft.

1,488,127. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Mar. 20, 1919. Serial No. 283,778. 6 Claims. (Cl. 74—7.)



1. In a device of the class described, the combination of a rotatable shaft having a single bearing which takes all torque and pressure loads, a gear mounted on said shaft at a point adjacent one end of said bearing and arranged to apply a rotative power to one end portion of said shaft, a driving member mounted on the other end portion of the shaft for longitudinal movement thereon and rotary movement therewith and adapted to cooperate with a part of the engine to be started, said shaft and driving member having engaging means at a point adjacent the other end of such a bearing and coacting at the end of the inward longitudinal movement of the driving member towards said bearing.

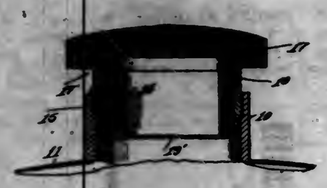
1,488,128. JUNCTION OF METAL PARTS AND THE ART OF JOINING SUCH PARTS. HARRY P. MACDONALD, Montclair, N. J., assignor to The Snead & Co. Iron Works, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 30, 1919. Serial No. 273,974. 14 Claims. (Cl. 29—148.)



1. In the art of joining unsplit round metal tubing into an associated hollow metal part for torque transmission, the method which comprises forming such part with opening cylindrical to align such tubing and recessed to afford anti-turning engagement, and stretching and expanding the tube through its open end into anti-turning engagement in the recesses of said part while tube and part are kept in alignment as aforesaid.

6. A torque transmission device comprising a hollow metal part with round bore enlarged to non-circular cross section at one end, and an unsplit metal tube aligned in said bore with its end expanded into anti-turning engagement in the enlarged opening.

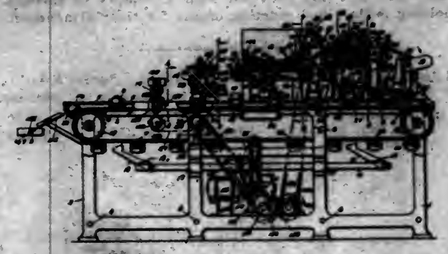
1,488,129. RADIATOR CAP. CLARENCE C. NELLIS, Cold Brook, N. Y. Filed Dec. 4, 1922. Serial No. 604,823. 1 Claim. (Cl. 220—24.)



The combination with the internally threaded filling tube of an automobile radiator, of a closure therefor including a tube having its intermediate portion exteriorly threaded for engagement within the filling tube and its end portions externally smooth, the smooth portion of the closure tube within the filling tube being tapered and terminally carrying a strainer, and a cap hinged to the inner end of the outer smooth portion of the closure tube and enclosing said portion when in closed position, said hinged portion of the cap and tube serving to limit the inward movement of the tube within the filling tube.

1,488,130. MACHINE FOR MAKING CAKES OR WAFERS OF TOILET POWDER. LUIGI D'ONOFRIO, New York, N. Y., assignor of one-third to Carlo Dalboni and one-third to Antonio Nocito, both of New York, N. Y. Filed July 13, 1922. Serial No. 574,718. 19 Claims. (Cl. 25—100.)

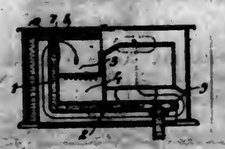
1. A machine for working comminuted or pulverized material into the form of cakes or wafers, comprising parts for supplying and admeasuring a predetermined quantity of such material to a base, and parts for pressing the material into adhesion with the base through the action of an adhesive agent which secures the material and base together, said parts comprising members for rotatably engaging the material and molding it into shape on said base.



7. A receiver having a movable section to vary the capacity thereof, parts to depress said section, and an element to remove the excess contents of the receiver while said section is in depressed position.

14. The combination of a container for an adhesive, said container having an outlet nozzle, and a plunger projecting to the exterior of the container through said nozzle, the nozzle having delivery openings, means to move the plunger to release from said nozzle, objects supplied with adhesive by said container.

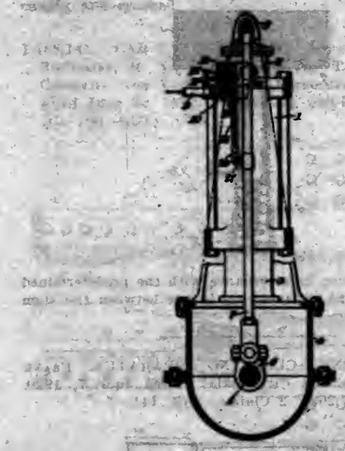
1,488,131. WATER HEATER FOR KITCHEN RANGES. PER OLOF PETTERSON, Malmo, Sweden. Filed Apr. 16, 1921. Serial No. 461,937. 5 Claims. (Cl. 126—5.)



1. A water-heater for kitchen-ranges comprising, a boiler having vertically arranged front, rear and side walls, an intermediate wall spaced from and in parallelism with said side wall to form a vertical flue therebetween and a wall for the fire-place, a bottom section extending from said intermediate wall under the fire-place and oven, said bottom section being spaced from the bottom of the range to form a lower horizontal flue, said flue communicating with the vertical flue, a top section connecting said front, rear and side walls and extending over a portion of the fire-place, said intermediate wall terminating a distance from said top section to form an upper horizontal flue for the passage of the products of combustion from the fire-place to the vertical flue, and tubes interposed in the upper horizontal flue between the intermediate wall and top section.

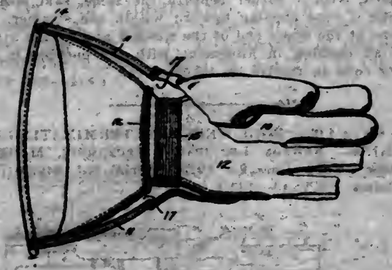
1,488,132. INTERNAL-COMBUSTION ENGINE. THEODORE PRATT, Glen Cove, N. Y. Filed Jan. 10, 1921. Serial No. 436,033. 3 Claims. (Cl. 123—81.)

1. The combination with the cylinder of an internal combustion engine, of a fuel intake pipe, a passage through the wall of the cylinder whereby the fuel may pass from the intake to the explosion chamber of the cylinder, an oscillating fuel controlling valve interposed between the intake pipe and said passage, a crank arm on the valve, a lever fulcrumed to a fixed part of the apparatus, a link connecting the crank arm with one end of the lever, and a link connecting the other end of the lever



to a moving part of the apparatus, whereby the valve is opened twice during each cycle of movement of said moving part.

1,488,133. GLOVE OR MITTEN STRUCTURE. BENJAMIN J. RICKER, Grinnell, Iowa. Filed Apr. 12, 1923. Serial No. 631,629. 2 Claims. (Cl. 2—164.)

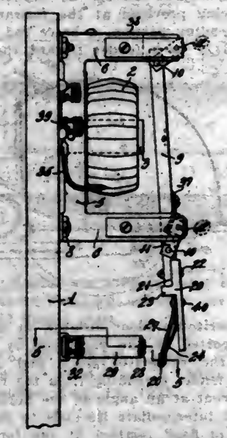


1. A device of the class described, comprising an outer element, having a hand portion and a wrist covering portion, a lining for said outer element secured to the outer element but free from securing connection with the outer element at its wrist portion, said lining having an elastic element for causing it to snugly draw around the wrist of the wearer.

1,488,134. RELAY. LOUIS E. RICHMOND, Cleveland, Ohio, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio, a Corporation of Ohio. Filed June 1, 1920. Serial No. 385,677. 12 Claims. (Cl. 200—87.)

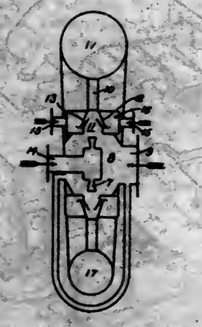
1. In a relay, the combination of relatively stationary contacts, an electromagnet, and a contact carrying armature member lying approximately normal to the axis of said electromagnet and mounted to swing at two points so as to be bodily movable at both points to carry its contacts into and out of operative engagement with said stationary contacts.

12. In a relay, the combination of relatively stationary contacts, a vertically disposed U-shaped frame, an electromagnet in said frame, an armature member having swinging connection with the arms of said frame and adapted to swing in a vertical plane into and out of



engagement with said contacts, and frictional means effective upon said armature to retard its motion toward and away from said electromagnet.

1,488,135. EJECTOR. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 5, 1920. Serial No. 421,997. 4 Claims. (Cl. 230—13.)

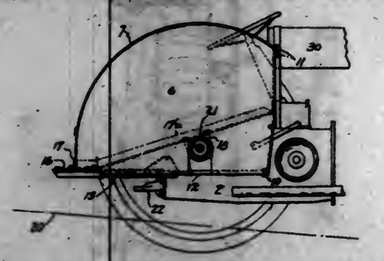


1. An apparatus of the character described comprising, a chamber communicating with a source of medium to be compressed, stationary means for delivering a disc-shaped jet of expansive impelling fluid through a portion of the chamber, stationary means for effecting a compression of the combined media and fluid issuing from said chamber, and adjustable means including streamline guide vanes for guiding the media and fluid through said compression means.

1,488,136. FENDER AND SAFEGUARD FOR TRACTORS. HOWARD W. SIMPSON, Dearborn, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 7, 1921, Serial No. 513,286. Renewed Aug. 18, 1923. 3 Claims. (Cl. 280—152.)

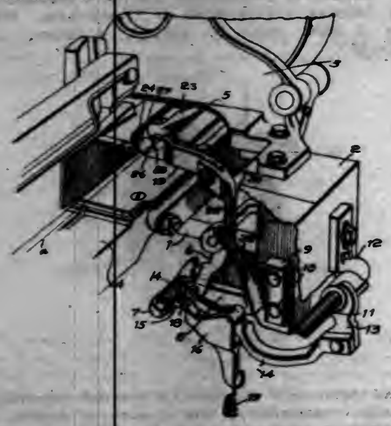
2. A fender or safe guard for automotive vehicles comprising the combination with the two driving wheels thereof, the driving axle and housing therefor extending between the wheels, of a fender for each wheel consisting

of a sheet metal plate covering the inner side of each wheel from about the line of the axle upward and having an outwardly turned flange member at the top extending over the periphery of each of the respective wheels, said plate also being provided at the forward end with an inwardly extending portion, a brace rod extending from the rear end of each fender toward the center of the



machine, a horizontal floor member on each side of the machine supported by the plate and by the said brace member on the respective sides, and a second brace rod for each fender extending from the rear end thereof toward the front at an angle to the horizontal, said bar being secured intermediate its ends to the axle housing and secured in fixed relation at the forward end with the tractor structure.

1,488,137. FILLING-REPLENISHING LOOM. ALFRED E. STAFFORD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 31, 1923. Serial No. 629,122. 5 Claims. (Cl. 139—231.)



1. In a filling replenishing loom, the combination of the lay and shuttle boxes, a shuttle feeler having a weft or filling displacing end formed by two inclined surfaces of unequal length which provide a weft or filling seat at their intersection which is above the longitudinal axis of the shuttle when the feeler is moved to shuttle-feeling position, that the weft or filling thread may be displaced to a position away from the engaging portions of the shuttle feeler and shuttle and not be cut when the shuttle feeler moves to feeling position and encounters and the end portion of an improperly boxed shuttle.

1,488,138. CONFECTION MOLD. JAMES WARNER, Ogden, Utah. Filed June 20, 1922. Serial No. 569,597. 1 Claim. (Cl. 107—1.)

The combination of a mold box and handle having adjustable locking means thereon, a tray in the box, a stem in the handle connected with the tray, adjustable locking means on the stem co-acting with the locking means on the handle, a spring between the end of the handle and the stem, and means for adjustably setting



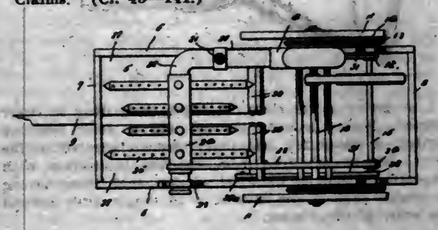
the spring pressure in accordance with the predetermined one of the locking engagements in use between the stem and the handle.

1,488,139. UTENSIL-CLEANING APPARATUS. FRANK WERNER, Oklahoma City, Okla. Filed June 7, 1920. Serial No. 387,209. 2 Claims. (Cl. 141—7.)



1. A device of the character stated, comprising a washing trough and a support therefor, burners disposed beneath the same, a steamer supported at one end of said support, with a burner beneath the same, said steamer having a cone opening upward within the steamer, and a cone at the upper end of the steamer and having a tube and an opening in alinement with the opening in the lower cone to receive an inverted can.

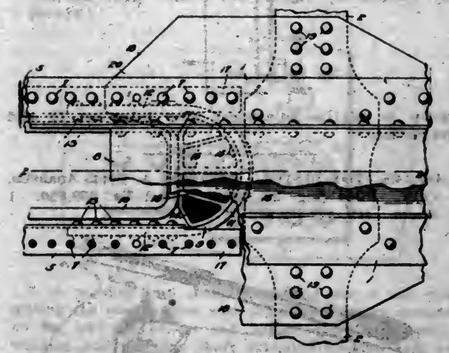
1,488,140. BOLL-WEEVIL-EXTERMINATING MACHINE. NEWTON LEONIDAS ABERCROMBIE, Meridian, Miss. Filed June 22, 1923. Serial No. 646,991. 3 Claims. (Cl. 43—141.)



1. A machine of the class described including a wheel supported frame, a pipe mounted transversely at the forward end of the said frame, a drum rotatable on said pipe having a plurality of perforated tubes extending radially therefrom, the inner ends communicating with the interior of the pipe, a blower mounted on said frame having the outlet connected with the pipe for supplying air thereto, driving connections between the wheels of the frame and the blower for operating said blower, and insect catching platforms mounted below the drums and radial tubes having means for destroying the insects caught thereon, and a driving connection between the drum and the wheels of said frame for rotating the drum in the movement of the frame over the ground, whereby the blower will force jets of air outwardly through said perforated pipes on said drum in the forward movement

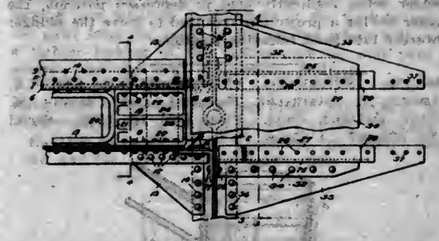
of the frame over the ground and in the rotating movement of said drum for blowing insects from all parts of plants passing under said frame which are subsequently caught and crushed.

1,488,141. CAR UNDERFRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed June 20, 1922. Serial No. 569,706. 25 Claims. (Cl. 105—420.)



1. In a car underframe, the combination with center sills and bolster, of center sill reinforcing means connected to said center sills, draft sills arranged beneath the center sills and reinforcing means, means connecting said center sill reinforcing means and draft sills and a backstop member provided at the inner ends of said draft sills and spaced from said bolster.

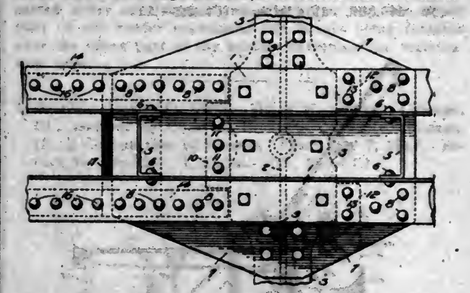
1,488,142. CAR UNDERFRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1922. Serial No. 579,221. 19 Claims. (Cl. 105—414.)



16. In a car underframe, the combination with center sills and bolster, of center sill reinforcing members connected to said center sills, draft sills arranged beneath the center sills and reinforcing members, means connecting the inner ends of said draft sills to the bolster, a back stop adapted to be engaged by a movable element of the draft rigging, a tie plate connecting the draft sills and arranged intermediate the ends of the back stop, and gusset plates connected to said tie plate, draft sills, and bolster, said gusset plates extending forwardly substantially the length of said back stop.

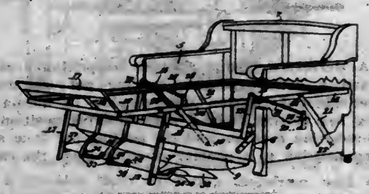
1,488,143. CAR UNDERFRAME. DONALD S. BARROWS, Rochester, N. Y., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1922. Serial No. 579,223. 16 Claims. (Cl. 105—414.)

1. In a car underframe, the combination with center sills and bolster, of center sill reinforcing members adapted to be connected to the center sills, draft sills connected to and arranged beneath the center sill reinforcing members, a gusset plate interposed between the center sill reinforcing members, the bolster and the inner



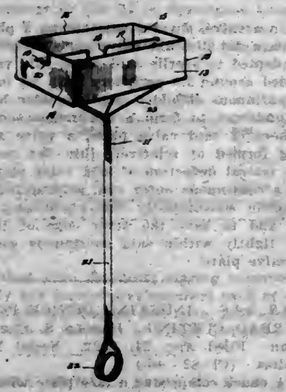
ends of said draft sills, and strengthening means involving abutment blocks arranged adjacent the bolster and connected to said gusset plate.

1,488,144. SOFA BEDSTEAD. JOSEPH D. BELL, San Francisco, Calif. Filed Dec. 8, 1920, Serial No. 429,198. Renewed Aug. 16, 1923. 3 Claims. (Cl. 5—48.)



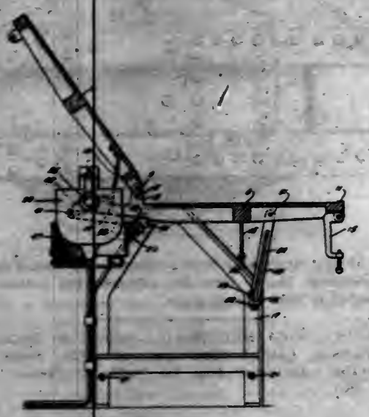
2. In a sofa bedstead, the combination of a housing, an invertible seat, a mattress frame including a front and a rear section, swinging links supporting the front section from the seat and the rear section from the housing, and guides at each side of the mattress frame upon which the frame sections intermediate said links are slidable for guiding the front frame to a concealed position beneath the seat and the rear frame section to an upright position at the rear of the seat.

1,488,145. INSECT-EXTERMINATING DEVICE. MAUD BELLOWS, Spirit Lake, Iowa. Filed Apr. 18, 1923. Serial No. 632,939. 3 Claims. (Cl. 43—136.)



1. An insect exterminator comprising a box member open at one end and adapted to receive flypaper in its bottom, and means for retaining the flypaper in position, said means including a lever hinged in one of the walls of said box member and engaging in an L-shaped slot provided in the opposite wall of said box member.

1,488,146. STEREOTYPE-CASTING MACHINE. RAY A. BROWN, Rockford, Ill. Filed Aug. 31, 1923. Serial No. 660,306. 12 Claims. (Cl. 22—2.)



1. A stereotype casting machine comprising a casting box and a bottom pouring melting pot mounted in counter-balanced relation for swinging in unison, the casting box moving from a work-receiving position to a metal-receiving position, and the melting pot from a low heating position to a pouring position above the casting box.

1,488,147. VALVE. GEORGE J. BRYEN and RAYMOND H. CURRIE, Duquesne, Pa. Filed Dec. 1, 1921. Serial No. 519,221. 2 Claims. (Cl. 251—144.)



1. In a valve, a valve seat having a plurality of ports therein, a flat disk-like valve plate mounted on said seat and adapted to overlie said ports, said valve plate being provided around its periphery with an integral upstanding continuous shoulder, said shoulder having its inner face undercut to form a continuous socket around the periphery of said valve plate, a valve actuating coiled spring formed of relatively thin flat metal adapted to resist lateral deflection of said valve plate and provided with a continuous outer rim, said spring being adapted to overlie substantially the whole area of said valve plate and to have the outer edge of the rim portion fitted tightly within said continuous socket formed on said valve plate.

1,488,148. INDEXING DEVICE FOR MULTIPLE-THREAD CUTTING. HAROLD S. CARLSON, Danbury, Conn. Filed Apr. 24, 1922. Serial No. 556,230. 2 Claims. (Cl. 82—40.)

1. A chuck comprising a face plate with radial grooves for securing the work thereon, a back plate having a forwardly directed hub with a bore adapted for attachment on a revolvable spindle, said plates being cylindrical and provided the one with an index and the other with a circumferential graduation, the exterior surface of said hub being provided with cylindrical steps and said face plate having corresponding steps so as to be mounted upon said hub, and means for clamping the plates together in relative adjustment after being set to said graduation.



1,488,149. TOY PISTOL. BENJAMIN A. COLE, Anaheim, Calif. Filed Aug. 28, 1923. Serial No. 659,820. 1 Claim. (Cl. 124—2.)



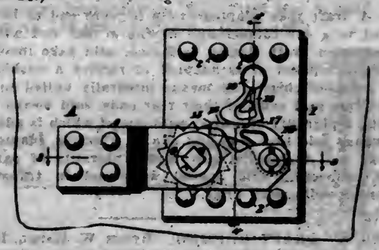
A toy pistol including a grip, a lock, and a barrel, the barrel having a longitudinal rib on its upper face, a rubber band retaining pin on the upper face of the lock portion, the other end of the said rib being arranged to retain the other end of the loop of the rubber band, a trigger, and a plunger slidable vertically through the upper face of the lock of the pistol forwardly of the said pin in position to lift the rubber band from the pin, said plunger being resiliently held in depressed position, the trigger having a projection arranged to move the plunger upwardly into band releasing position.

1,488,150. STEAMING AND DRAINING KETTLE. LESTER L. GARIBALDI, Hayward, and FRANCIS M. CARY, Oakland, Calif. Filed Feb. 15, 1922. Serial No. 536,667. 1 Claim. (Cl. 53—1.)



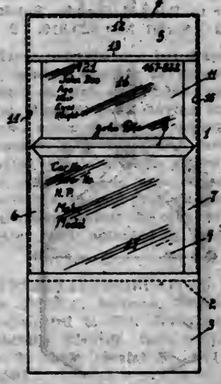
A kettle of the character disclosed including an outer receptacle, an inner receptacle, an annular internal flange formed in the upper part of said outer receptacle at a substantial distance below its top, said flange being provided with a plurality of notches, the lower part of said inner receptacle being provided with perforations, the upper part of said inner receptacle being slightly larger than the lower body portion thereof to form a shoulder to rest on the upper edge of said outer receptacle to support the bottom of the inner receptacle a short distance above the bottom of the outer receptacle, vertical external integral ribs on said inner receptacle extending from said shoulder to the perforations in the bottom of said inner receptacle, said ribs fitting in said notches when the inner receptacle is in its lower position in said outer receptacle and adapted to fit closely against the inner sides of the outer receptacle, said inner receptacle being adapted to be elevated until said ribs are withdrawn from said notches and turned until the lower end of said ribs rest on said flange and support the inner receptacle in the upper part of the outer receptacle, and an outwardly extending handle attached to each receptacle near its top.

1,488,151. WINDING AND DUMPING RATCHET. JOHN F. HAGEMAN, Anyox, British Columbia, Canada. Filed Feb. 20, 1922. Serial No. 538,047. 2 Claims. (Cl. 74—16.)



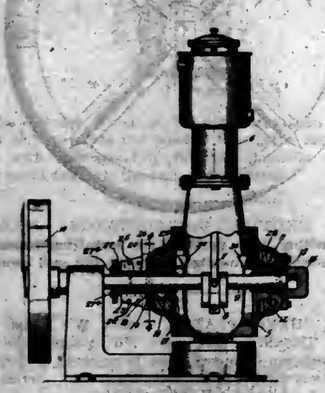
1. A winding and dumping ratchet for a car comprising the combination with supporting plates mounted on the side of the car and having spaced portions, a winding and dumping shaft extended through said car side and having its squared portion extended through the outer supporting plate, a ratchet mounted on said squared portion of the shaft between said plates, a pawl supporting member extended through said plate, a pawl mounted on said pawl supporting member and having a curved body portion provided with an inclined upper face, said pawl terminating in an inclined working end for engagement with the ratchet wheel and a locking cam pivoted on said car above said pawl and between the shaft and the pawl supporting member, said locking cam having a weighted and curved lower working edge adapted for gradual locking engagement with the inclined upper face of the pawl at a point offset from and upwardly on the inclined face of the pawl from the pivot point of said locking cam, whereby a movement of the working end of the pawl from the teeth of the ratchet wheel will cause a tighter locking of the locking cam on said pawl to securely lock the pawl in operative position.

1,488,152. HOLDER FOR DRIVERS' LICENSES AND AUTOMOBILE REGISTRATION CARDS. WALTER C. HARLEY, Oakland, Calif. Filed Feb. 15, 1921. Serial No. 445,238. 3 Claims. (Cl. 150—39.)



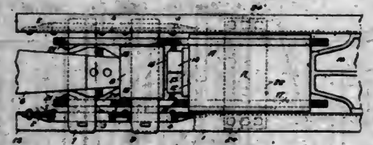
1. A holder for an automobile registration card and a driver's license, including a sheet formed with side flanges, a lower flap and an upper flap, said flaps being folded over said flanges, a sheet of mica being inserted under said flanges and said lower flap, a sheet of mica being inserted under said flanges and said upper flap, the upper part of the holder containing the license being foldable over the lower part of the holder containing the registration card.

1,488,153. PACKING BOX. OMAR H. JEWELL, Chicago, Ill., assignor to Chlorine Products Company, Chicago, Ill., a Corporation of Illinois. Filed July 7, 1919. Serial No. 309,096. 1 Claim. (Cl. 286—7.)



In a machine having a casing presenting a chamber and a movable shaft extending therefrom, said casing being provided with a ring surrounding said shaft, packing means operating to cut off communication with said chamber around said shaft formed of packing surrounding said shaft and abutting the outer surface of said ring and a packing box formed of sections arranged about the shaft with the joints between said sections extending lengthwise of said shaft, said packing being located in the space provided by said packing box, and the sections of said packing box being connected at one end of the latter to the wall of said chamber, and means for forcing said packing against said ring.

1,488,154. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed July 24, 1920. Serial No. 398,729. 3 Claims. (Cl. 213—66.)

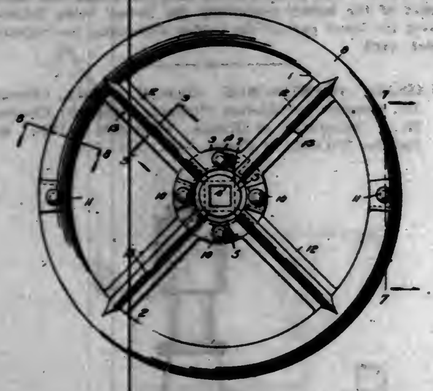


3. A forged steel yoke for draft rigging comprising a pair of relatively flat counterpart members each of which comprises a loop portion and an extension, said extension being provided with a plurality of alined elongated slots.

1,488,155. BRAKE WHEEL. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed May 8, 1922. Serial No. 558,238. 18 Claims. (Cl. 74—33.)

1. The combination with a brake shaft hub member, of a hand brake wheel formed of pressed complementary

metal sections, each having an outer rim portion forming a hand grip and an inner hub attaching portion, spoke



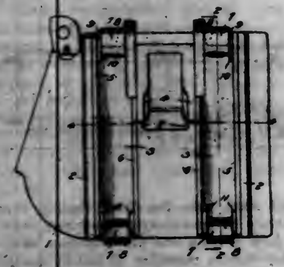
members uniting said portions of each complementary section, and rivet means rigidly connecting said sections.

1,488,156. CHEEK PLATE. BYERS W. KADEL and PERCY R. DREENING, Baltimore, Md., assignors to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed May 11, 1922. Serial No. 560,175. 7 Claims. (Cl. 213—54.)



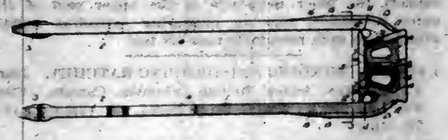
1. A cheek plate formed of a body web portion of varying cross sectional area gradually increased from the ends of the cheek plate to an intermediate point and having a plurality of key receiving slots, the inner adjacent portions of said slots intersecting the greater cross sectional area of the body web.

1,488,157. JOURNAL BOX. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed June 29, 1922. Serial No. 571,705. 20 Claims. (Cl. 105—225.)



1. The combination with a journal box for pedestal trucks, and a wear plate or liner detachably connected thereto, said wear plate being provided with an intermediate wearing surface, offset portions provided adjacent each end of said wearing surface, and means formed on said offset portions and spaced from said wearing surface for detachably connecting said wear plate to the journal box.

1,488,158. DRAFT YOKE. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 2, 1922. Serial No. 579,265. 7 Claims. (Cl. 213—67.)



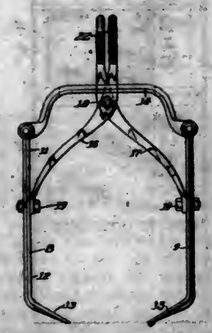
1. A draft yoke adapted at its forward end to be connected to a car coupler and having a rear end adapted to engage a draft rigging back-stop, said yake involving a pair of spaced arms adapted to receive a cushioning unit between them, and means integrally united to and connecting said arms at their rear ends, said means comprising a plurality of spaced webs one of which is adapted to engage said back-stop and one of which is adapted to engage said cushioning unit, and a plurality of parallel webs connecting said spaced webs and in transverse alinement with said arms.

1,488,159. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 2, 1922. Serial No. 585,947. 1 Claim. (Cl. 213—26.)



In a draft rigging, the combination with a coupler, of a rectangular casing or yoke member cooperating therewith, said casing having portions of its side walls removed intermediate the ends thereof, other and corresponding portions of each of said side walls being arranged at an angle to the longitudinal axis of said casing, friction elements and a spring within said casing, some of said elements coacting with the angular portion of said side walls, and a follower extending transversely through said casing, and means extending through the side walls of said casing adjacent the ends thereof for operatively connecting said coupler and casing.

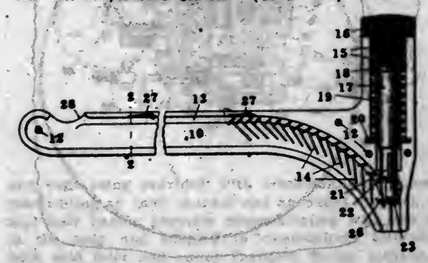
1,488,160. GRAPPLE. JOHN DOYLE KERWIN, Beloit, Wis., assignor to Edward Kerwin, Beloit, Wis. Filed Jan. 17, 1922. Serial No. 529,819. 2 Claims. (Cl. 294—106.)



1. A grapple of the character described, comprising a pair of jaws shaped to provide a shank and a gripping end, a jaw-spacer member to each end of which a jaw

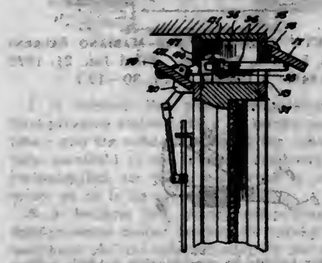
shank is pivotally attached, the jaws being adapted to swing toward and from each other, said member having an opening centrally intermediate its ends, and handle-lifting means in the form of a pair of cross levers pivotally connected together at their intersection and each, pivotally connected at its lower end to one of the jaws intermediate the ends of the latter, the cross levers passing through said opening in said member, and each lever being shaped at its upper end to provide a handle.

1,488,161. MAGAZINE TACK HAMMER. CYRUS T. MCCORMICK, Fredericktown, Mo. Filed May 4, 1922. Serial No. 558,438. 3 Claims. (Cl. 1—45.)



3. In a device of the class described, the combination with a hammer head, of a handle fixed with relation to said head and forming a tack magazine, an impact actuated plunger provided with an offset movable relative to said head to seat the tacks, a pair of pivotal detents for holding and releasing the tack, and an inclined guide adjacent to said offset for delivering the tack to said detents.

1,488,162. VENTILATOR. GEORGE HENRY MILLER, Lowell, Mass. Filed Nov. 26, 1921. Serial No. 517,849. 3 Claims. (Cl. 98—31.)



2. A ventilator comprising a box-shaped frame having a transverse passage opening at opposite sides of the frame, a shutter on each side of the frame covering said openings, said shutters each having hinged connection with said frame along diagonally opposite edges of said openings respectively, a two-armed lever fulcrumed in said frame with its axis at right angles to said opposite edges of the openings, one arm of said lever having hinged connection with said first shutter, the other arm of the lever abutting against the other of said shutters to swing the latter when actuated by said first shutter.

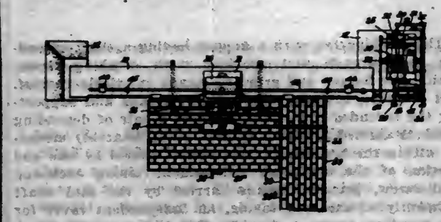
1,488,163. INTERNAL-COMBUSTION ENGINE. HORACE JAMES POCOCK, Kilburn, London, England, assignor of one-third to Eric Hamilton Rose and one-third to Achille Rivarde, both of London, England. Filed Mar. 8, 1922. Serial No. 541,984. 3 Claims. (Cl. 123—80).

1. In an internal combustion engine, an engine cylinder having inlet and exhaust ports, an engine driven rotatable sleeve within said cylinder having a controlling port adapted to register successively with the said inlet and exhaust ports, and a trunk piston having a pair of longitudinal ports one corresponding in position to the said inlet port and the other to the said exhaust port



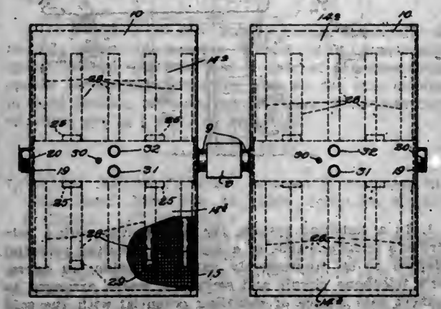
of the cylinder, which piston ports expand in width from both ends towards the middle, the piston being provided also with corresponding internal channels opening the said ports through the end of the piston.

1,488,164. STONEWORKING MACHINE. EDSON T. POLLARD, Niagara Falls, N. Y. Filed Feb. 12, 1921. Serial No. 444,401. 14 Claims. (Cl. 125—14.)



1. A stone working machine comprising, in combination, a T-shaped grooved platen comprising longitudinal and transverse portions, a longitudinally disposed beam, a carriage mounted to travel on said beam above said platen, means for moving said carriage on said beam, means, disposed adjacent one end of said beam and also adjacent the transverse portion of said platen, for controlling the movements of said carriage, a rotating cutting wheel carried by said carriage, and means for causing said cutting wheel to rotate in a clockwise direction and to travel towards said controlling means, where the operator is stationed, when said wheel is in cutting operation.

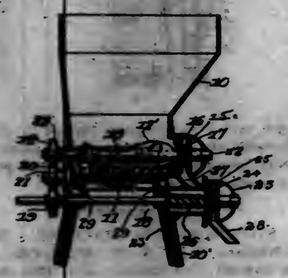
1,488,165. INCUBATOR. JOHN G. POORMAN, Tinley Park, Ill. Filed July 11, 1921. Serial No. 483,869. 10 Claims. (Cl. 119—40.)



1. In an incubator, the combination of a plurality of chambers to be heated, a drum located between said chambers and provided with series of outlets in opposite walls thereof opening into said chambers, respectively,

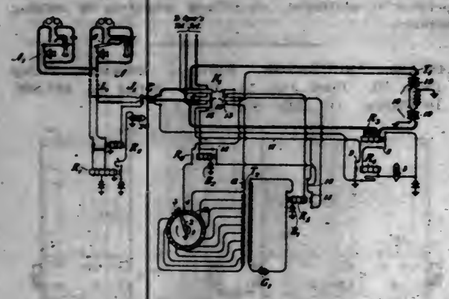
partitioning means in said drum dividing it into compartments into which said series of outlets open respectively, said partitioning means including a pipe out of communication with said drum, and means for heating said pipe to heat the air in said drum.

1,488,166. FEED-GRINDING MILL. OTTO H. POTTRATZ, New Albin, Iowa. Filed Sept. 9, 1921. Serial No. 499,373. 1 Claim. (Cl. 83—8.)



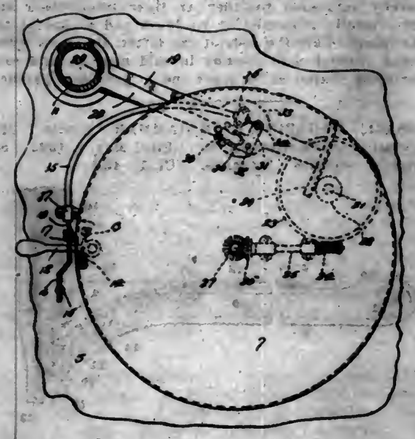
The combination with a hopper having a shaft extending therethrough and provided with crushing means within the hopper and grinding means exteriorly thereof, and a casing enclosing the grinding means and supporting the extended end of the shaft, of a pair of depending brackets carried by the hopper, a shaft rotatably mounted within the brackets, a feed screw carried by one end portion of the shaft, an independent casing enclosing said screw, grinding means carried by the said shaft outwardly of the said casing, an independent cover for the grinding means, a chute leading from the said cover, and a second chute extending from the first mentioned casing to the feed screw casing.

1,488,167. SIGNALING SYSTEM. ROGER G. RAMSDELL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 30, 1920. Serial No. 355,176. 9 Claims. (Cl. 179—84.)



1. In a signaling system, the combination with a subscriber's telephone line, of a source of signaling potential adapted to be progressively varied in value, an operator's telephone circuit and switching means arranged to connect said source of signaling potential with the said telephone line when the said potential is at its minimum value and only after said telephone line has been supervised by the connection of the said operator's circuit therewith.

1,488,168. AUTOMATIC BRAKE. RAYMOND L. RUOFF, Prescott, Ariz. Filed Oct. 23, 1923. Serial No. 670,301. 4 Claims. (Cl. 192—118.)



1. In an automatic turn table brake for phonographs, an arm adapted to be mounted to rotate relative to and upon the tone arm of the phonograph, a second arm having one end adapted for attachment to said tone arm to be caused to move therewith, means to cause travelling movement of the first named arm in unison with the tone arm and the second named arm and to cause movement of the first named arm past the stopping point of the tone arm at the completion of the playing of the record, and means operable upon such continued movement of the first named arm for arresting movement of the turn table.

1,488,169. SAFETY RAZOR. PIERO MARIANO SALERNI, Sydenham Hill, London, England. Filed Jan. 21, 1922. Serial No. 530,848. 2 Claims. (Cl. 30—12.)

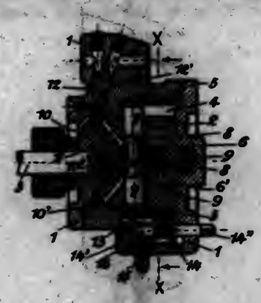


1. A safety razor having in combination a blade holder, said holder comprising a guard member and an overhanging flange member, a blade adapted to be held between said members, said overhanging flange member being slotted to increase its flexibility and forming a blade engaging finger, said finger being narrower at its forward portion than at its ends, a handle detachably connected to said guard member and engaging said blade for adjustably maintaining the latter in operative position.

1,488,170. ROTARY PUMP. CHARLES SANDOZ, Milan, Italy, assignor to Ditta Fratelli Borletti, Milan, Italy. Filed Nov. 16, 1921. Serial No. 515,467. 2 Claims. (Cl. 103—120.)

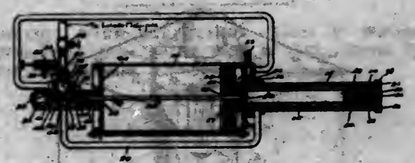
1. A rotary pump, comprising, in combination, a cage, a casing disposed in said cage and having a cylindrical opening, a cylindrical body mounted for rotation in said casing with its axis of rotation in eccentric relation to the axis of said opening, a shaft for rotating said body, the body being provided with at least one diametrically extending bore, a sleeve disposed centrally of said bore,

a rod guided in said sleeve and carrying at its opposite ends a pair of piston heads reciprocable in said bore and having their outer ends in contact with the wall of said casing, whereby a reciprocating motion is imparted to the pistons at each revolution of the body, said casing



and cage being provided with communicating passages constituting an inlet channel and an outlet channel, and said body having passages communicating with the bore in the body and adapted to communicate alternately with said inlet and outlet channels during rotation of the cylindrical body.

1,488,171. VACUUM PUMP. ALBERT C. SAVIDGE, Indianapolis, Ind. Filed Aug. 1, 1918. Serial No. 247,768. 10 Claims. (Cl. 230—27.)

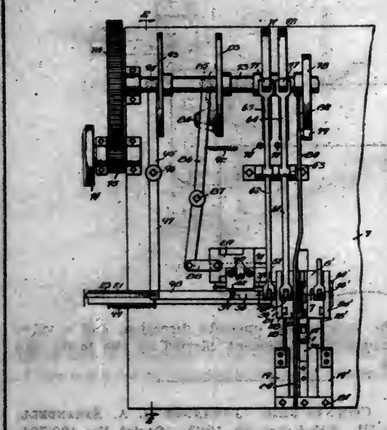


1. A vacuum tire pump, comprising a reciprocating fluid-pressure motor having its intake connected to atmosphere and its exhaust adapted for connection to the intake manifold of an internal combustion engine, and a reciprocating air pump connected to said fluid-pressure motor so as to be operated thereby.

8. A vacuum tire pump, comprising a reciprocating fluid-pressure motor having its intake connected to atmosphere and its exhaust adapted for connection to the intake manifold of an internal combustion engine, a reciprocating air pump connected to said fluid-pressure motor so as to be operated thereby, a tubular piston rod connecting the reciprocating members of said motor and pump, the space within said tubular spacing rod communicating with the interior of said fluid-pressure motor so that the air within it is rarefied to absorb heat from the compressed air in said pump, and a tube surrounding said air pump and forming part of the passageway for the air which passes through said fluid-pressure motor.

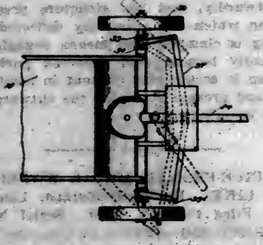
1,488,172. MACHINE FOR FORMING AND INSERTING BUSHINGS IN PIANO ACTIONS. JAMES R. SIMPLE, Chicago, Ill., assignor to Piano and Organ Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1920. Serial No. 354,199. 12 Claims. (Cl. 144—2.)

1. In a device of the kind described and in combination, a head member having an opening therein and provided with a channel connecting with and tangential to the axis of said opening at one side thereof, means for severing a portion of a strip of material inserted in said channel, means for thereafter engaging said portion and



moving the same transversely of said channel into said opening, and means for thereafter moving the same in said opening.

1,488,173. FRONT-TRUCK CONSTRUCTION FOR SPREADERS. HERBERT C. SMITH, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 26, 1920, Serial No. 369,074. Renewed Mar. 6, 1922. Serial No. 541,589. 12 Claims. (Cl. 280—111.)

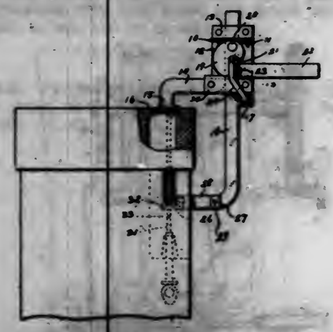


1. In a vehicle, an axle, a body having a centrally arranged depending member formed with transversely spaced bearing portions, and a pair of correspondingly spaced horizontally extending pins on the axle engaged by said bearing portions, whereby said body may rock on either pin as a point of support.

1,488,174. VALVE LIFTER. MILTON E. STEVENS, Riverton, Nebr. Filed July 14, 1923. Serial No. 651,516. 3 Claims. (Cl. 29—86.3.)

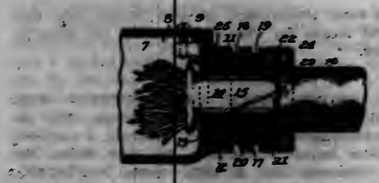
1. In a valve lifter, a yoke embodying vertical members and transverse members connecting said vertical members at the upper and lower ends thereof, one of said vertical members having an engine block engaging extension, a longitudinal movable bar vertically directed through the yoke, a disk cam pivoted to the bar at one side thereof intermediate the transverse members of the yoke, a handle on said cam whereby it may be rotated, said cam abutting one of said transverse members to shift the

vertically movable bar through the yoke in one direction, a connection between the cam and yoke shifting the bar



through the yoke in the opposite direction, and a valve spring compressing implement carried by the lower end of the bar.

1,488,175. CONNECTER. JOHANNES G. A. STRANDELL, Chicago, Ill. Filed Oct. 30, 1920. Serial No. 420,701. 13 Claims. (Cl. 247—25.)



1. A terminal box structure containing an opening, an electric-current-conducting element in said opening and provided with a covering, an end of said covering being deflected outwardly, said box structure presenting portions between which the outwardly deflected portion of said covering is clamped, and means engaging said element outwardly beyond said deflected portion thereof and operating to secure said element in position relative to said box and prevent stress on the outwardly-deflected end of said covering.

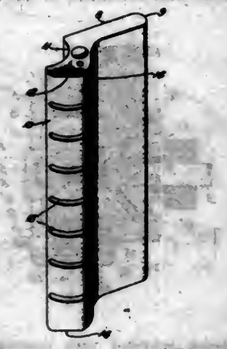
1,488,176. PIPE-FRAMED METAL WHEELBARROWS OR THE LIKE. EDGAR SCHOFIELD, Long Lawford, England. Filed Feb. 14, 1920. Serial No. 358,751. 2 Claims. (Cl. 280—52.)



1. A shoe for applying to the curved foot portion of the leg of a metal framed wheelbarrow, said shoe comprising a curved trough-shaped body portion formed in one piece, lugs upstanding integrally from the edges thereof, and means securing said lugs together across the curved portion of the foot.

1,488,177. BUILDING. SAMUEL W. SIDER, Logansport, Ind., assignor to Playford Manufacturing Company, Logansport, Ind., a Corporation. Filed June 15, 1923. Serial No. 645,598. 3 Claims. (Cl. 72—6.)

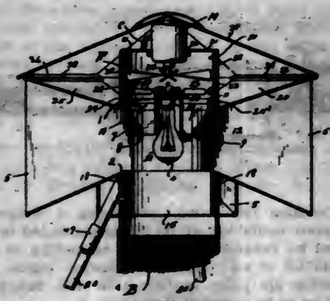
1. A building construction block of substantially rectangular outline provided at one edge portion with a longitudinally extending convex surface and provided at its opposite edge portion with a longitudinally disposed outwardly extending rib provided with a concave surface adapted to receive the convexed surface of an adjacent similar block, a single projecting button provided upon



one end of said rib, and a single recess provided at the opposite end of said rib and adapted to receive the button of a similar block placed against the same, the ends of the block being in parallel planes broken only by said single button and recess

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1,488,178. INSECT TRAP. JAMES R. THOMAS and JAMES L. FLOYD, Kenton, Tenn. Filed Feb. 21, 1923. Serial No. 620,437. 5 Claims. (Cl. 43—113.)

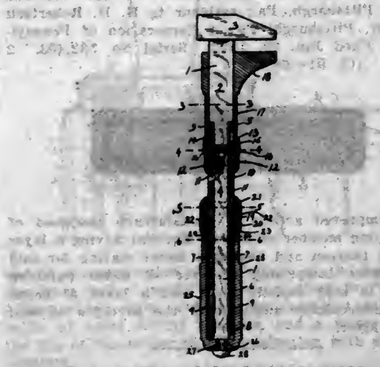


4. An insect catcher comprising a pair of spaced members, means for maintaining the same in spaced relation, a reflector horn operatively supported by said spaced members, a housing telescopically engaged with the upper spaced member, a support within said housing, arms extending outwardly from the support and exteriorly of the housing, said arms limiting the telescopical engagement of the housing with respect to the member, means for securing said arms to the member, a lighting unit carried by the support, arms overlying the housing and extending inwardly thereof, means for securing said last named arms to the first named arms, a clamping member secured to the inner portions of the second named arms, and a fan operatively supported by the clamping member, said fan operating to create a down draft.

1,488,179. WRENCH. PETER VOSBIKIAN and THOMAS VOSBIKIAN, Philadelphia, Pa. Filed Dec. 4, 1922. Serial No. 604,811. 3 Claims. (Cl. 81—174.)

1. A wrench comprising a bar having a threaded portion and a transversely flattened portion, a jaw fixed to the bar at its upper end, a movable jaw mounted to slide on the bar, a shank formed with the movable jaw and in sliding keyed engagement with the bar, conforming

in fit to the transversely flattened portion thereof, an exteriorly prismatic element in threaded engagement with the threaded portion of the bar and having swiveled connection with the shank of the movable jaw, means for holding said element and said shank longitudinally together, a handle fixed to said bar at its lower end, and



enclosing a part thereof in spaced relation thereto and a sleeve swiveled on the handle against longitudinal movement thereon, having the said prismatic element in sliding engagement keyed therewith, said sleeve having a portion conforming in sliding fit to the prismatic element.

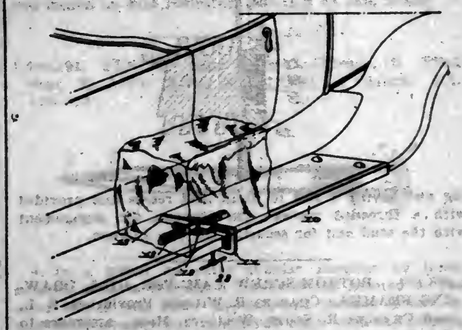
1,488,180. WIRE STRETCHER. LOUIS F. WALLEN, Wilsonville, Nebr. Filed Sept. 5, 1922. Serial No. 586,272. 1 Claim. (Cl. 254—76.)



A wire stretcher comprising a frame including parallel bars having terminal connecting and spacing members, a shorter bar disposed for longitudinal slidable movement between the parallel bars, transverse members on one end of the shorter bar and having their ends extended across the wider faces of the parallel bars, a link pivotally connected to one of said spacing members, a lever intermediately pivoted to the other end of the shorter bar and having one end pivotally connected with the other end of the link, a wire clamp on the shorter bar intermediate the lever and the transverse members, a hand lever on one of the transverse members and operatively connected with the clamp, a clamp on one of the spacing members, a hand lever on one of the parallel bars adjacent the spacing member which carries the link, and a link between the last hand lever and the last clamp.

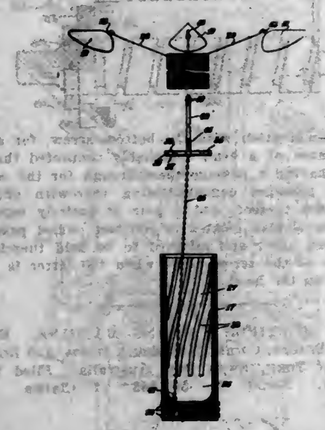
1,488,181. ICE HOLDER. CLARK WILLIAM WALLER, Portsmouth, Ohio. Filed June 26, 1923. Serial No. 647,859. 2 Claims. (Cl. 224—29.)

1. An ice holder for use on the running board of an automobile comprising a thin circular base plate adapted to be arranged on the upper side of the running board, ribs extending above and radially of and integral with the base plate and angularly disposed relative to each other, said ribs tapering toward their upper edges and being of relatively slight cross section so as to be adapted to become embedded in a block of ice, and attaching means including a U-shaped attaching bracket integral with



one of said ribs and adapted to embrace the running board and a clamping screw carried by the lower arm of the bracket and engageable with the running board.

1,488,182. ORDNANCE PROJECTILE. GORDON T. WHELTON, New York, N. Y. Filed Nov. 17, 1921. Serial No. 515,895. 6 Claims. (Cl. 102—29.)

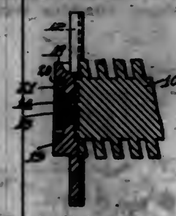


2. In an ordnance projectile, a hollow shell containing a powder charge and timed exploding means, and containing above the powder charge, a spreading missile wholly separable from the shell, consisting of a plurality of weights adapted to spread centrifugally when released and a system of wires interconnecting the weights, said weights each having a hooking extension, a central holding device normally engaging said extensions and means to release said device by the discharge of the missile from the shell.

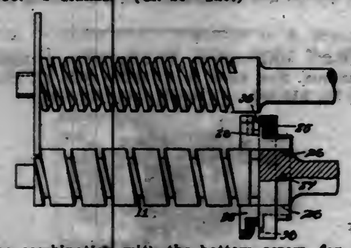
1,488,183. TOP-SCREW CAM FOR GILL DRAWING FRAMES. CHARLES R. WILSON, Providence, R. I., and CHARLES R. SCOTT, Westboro, Mass., assignors to Gill Screw Associates, Worcester, Mass., a Corporation of Massachusetts. Filed May 7, 1923. Serial No. 637,055. 4 Claims. (Cl. 19—129.)

2. In a gill drawing frame, the combination with a top screw having a stud at the end provided with a screw thread and having a pair of opposite projections at the base of said stud extending to the circumference of the screw at the end of its threads, a double cam therefor having a double socket for receiving said pro-

jections for locating the cam on the screw, said cam having a circular recess in its opposite face, and a locking nut having a flange to fit in said recess and provided with a threaded passage therethrough for engagement with the stud and for securing the cam thereon.

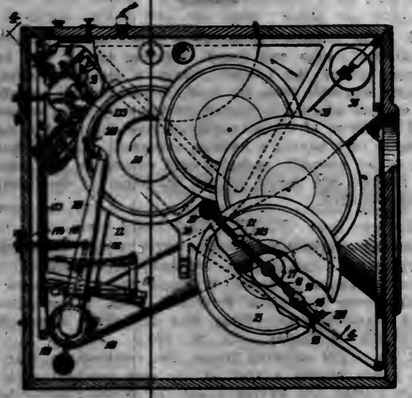


1,488,184. BOTTOM-SCREW CAM FOR GILL DRAWING FRAMES. CHARLES R. WILSON, Providence, R. I., and CHARLES R. SCOTT, Westboro, Mass., assignors to Gill Screw Associates, Worcester, Mass., a Corporation of Massachusetts. Filed July 27, 1923. Serial No. 654,288. 4 Claims. (Cl. 19—129.)



1. The combination with the bottom screw, for a gill drawing frame, of a head detachably connected thereto, said head having a passage therethrough for the screw, a pair of passages communicating therewith and on opposite sides thereof, and a pair of entirely separate cams having shanks located in the last named passages opposite each other and adapted to be held therein by the surface of the screw alone when the latter is fixed in position on the head.

1,488,185. MULTIPLE TALKING MACHINE. EDGAR OSMOND YEAGER, Coraki, New South Wales, and ROBERT HAMILTON YORK, Swan Bay, Australia. Filed Sept. 28, 1921. Serial No. 503,843. 7 Claims. (Cl. 274—10.)



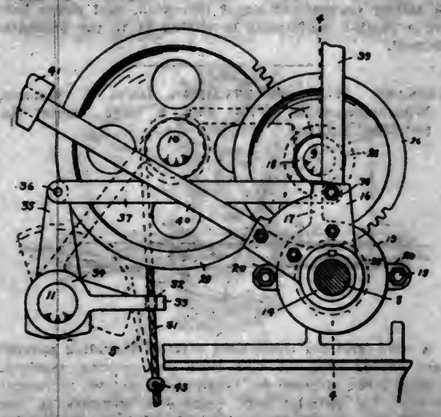
1. A multiple disc talking machine having a plurality of record tables adapted to be successively moved to and from the playing position, said tables being arranged in vertical echelon order around a centrally disposed support, means for applying a step-by-step helical movement to said support, and a reproducer mounted to swing about a fixed support into operative relation with said tables.

1,488,186. BUILDING MATERIAL. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 28, 1922. Serial No. 532,403. 2 Claims. (Cl. 91—68.)



1. An improved article of manufacture composed of an underlying member of fibrous material having a layer of asphalt thereon and having a metal coating for said asphalt layer comprising a layer of metal particles embedded in said asphalt layer and a layer of metal particles molecularly united with the particles of said embedded layer.

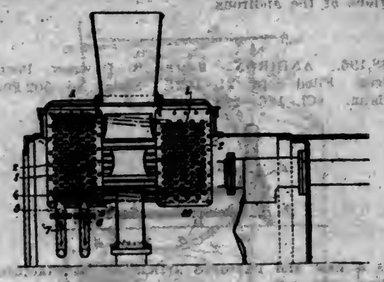
1,488,187. COMBINATION HOIST. FRANK R. ZIMMERMAN, Superior, Wis., assignor to Superior Iron Works Company, Superior, Wis., a Corporation of Wisconsin. Filed Feb. 6, 1923. Serial No. 617,416. 4 Claims. (Cl. 254—173.)



1. The combination with a spout hoist of the character described having three shafts protruding from one side thereof, said hoist being driven by a line shaft, of manually controlled power transmitting means upon the line shaft, a spout door operating line winding drum loosely mounted upon one of the protruding shafts of the hoist, power transmitting means intermediate of the drum and the manually controlled means upon another of the protruding shafts, gravity means mounted upon the line shaft for auxiliary control of the first mentioned power transmitting means, and means mounted upon the third protruding shaft of the spout hoist in cooperative engagement with the door controlling line for automatic action of the first mentioned power transmitting means.

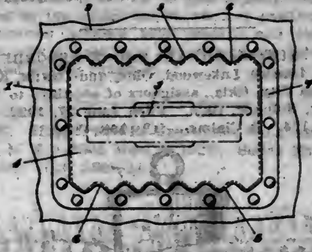
1,488,188. COMBINED FEED-WATER HEATER AND SPARK ARRESTER. ANDREAS ANDERSSON, Malmo, Sweden. Filed May 7, 1921. Serial No. 467,693. 1 Claim. (Cl. 122—426.)

A combined feed water heater and water cooled spark arrester, comprising independent groups of substantially horizontally arranged curved pipes, adapted to be positioned in the smoke box of the boiler and concentric to the smoke stack, tube plates connecting the ends of the curved pipes together to form a plurality of helical conduits extending from the top to the bottom of the heater, a water chest provided with a feed water inlet



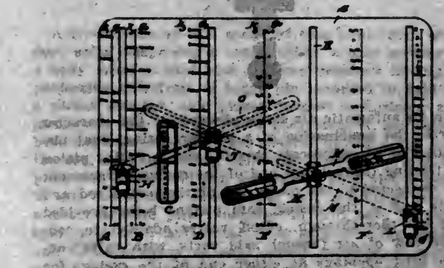
and in communication of the bottom of the heater with the inner helical conduits, a water chest provided with a feed water outlet and in communication with a plurality of outer helical conduits, and a water chest at the top of the heater in communication with all of said conduits.

1,488,189. HOOD FOR CAR WHEELS. MINOR C. BLEST, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Oct. 5, 1923. Serial No. 666,704. 7 Claims. (Cl. 105—364.)



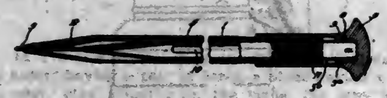
2. A hood for a car wheel, said hood having corrugated side portions, a top portion integral with said sides and a continuous flange integral with said sides and top.

1,488,190. COMPUTING BOARD. GEORG BLOCH, Boblingen, Wurttemberg, Germany. Filed July 2, 1920. Serial No. 393,767. 7 Claims. (Cl. 235—61.)



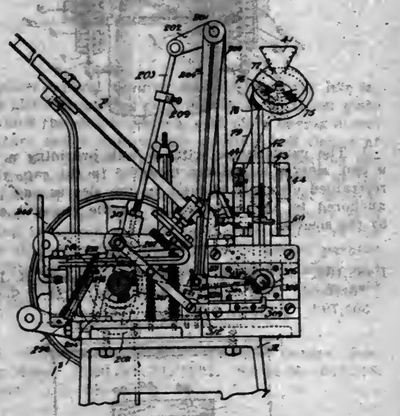
1. In a calculating and computing device in combination, a plurality of at least three parallel guideways, indicators movable in said guideways, indicating bars intersecting each other at one of the intermediate indicators and axially slidably engageable with said indicator, and respectively pivotally secured to the indicators of the outer guideways, scales along said guide ways, and means on said indicators pointing on said scales.

1,488,191. PENCIL. JOHN BRICKEN, Chicago, Ill. Filed Sept. 22, 1920. Serial No. 411,890. 4 Claims. (Cl. 120—18.)



4. In a pencil an outer tubular member, an inner member slidable therein, a threaded cap secured to the outer end of said inner member, and threads formed in said outer member and adapted to coact with the threads of said cap, the threads of one of said members being slotted to provide resilient engagement thereof with the threads of said other member.

1,488,192. STRING CLOSURE-AFFIXING MACHINE. EMIL A. CLAUS, New York, N. Y. Filed June 20, 1918, Serial No. 240,906. Renewed Feb. 16, 1924. 2 Claims. (Cl. 93—61.)

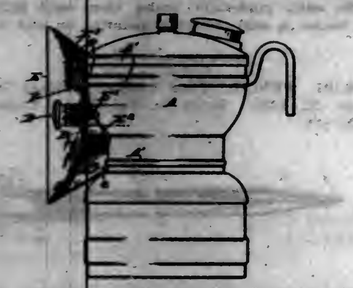


1. In a machine of the class described, and in combination with means for receiving an envelope in a relatively fixed position, of means for feeding a plurality of strips of material to different portions of said envelope at parallel angles to the horizontal plane of said machine, means for cutting from said strips predetermined lengths thereof, and means for affixing the several lengths of said strips to different points of the envelope on the same axis thereof, and means for adjusting the distances apart of said strips without affecting the angle of feed thereof, to thereby afford adjustment of the machine for varying sizes of envelopes.

1,488,193. ACETYLENE LAMP. WILBUR A. COCHRANE, Sea Cliff, N. Y., assignor to Brock-Cochrane Company, a Corporation of Delaware. Filed Oct. 16, 1920. Serial No. 417,308. 8 Claims. (Cl. 240—1.)

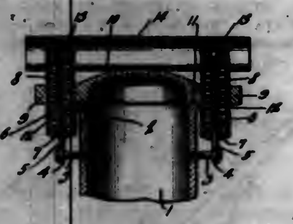
1. In an acetylene lamp, the combination of a casing, a burner disposed exteriorly thereof, and a detachable reflector sustained behind the burner and formed on its

rear face with a reenforcing member shaped to fit and seat against the casing at a plurality of points in both



a circumferential and radial direction, whereby the reflector is afforded a firm and rigid support from the center outward when the lamp is in use.

1,488,194. RADIATOR CAP. ELASHA DEAN CULLISON, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,777. 2 Claims. (Cl. 220—35.)



1. The combination with a neck providing a seat, of a cap, sleeves adjustably mounted in the cap, yieldingly restrained elements slidable in the sleeves and pivotally anchored to the neck, and a handle engaged and held by the sleeves.

1,488,195. FIREPLACE HEATER. JAMES B. DAWSON, Portland, Oreg. Filed Sept. 19, 1921. Serial No. 501,792. 1 Claim. (Cl. 126—121.)



In a fireplace heater, an oblong rectangular vertical heating drum extending transversely at the rear of the fireplace, said drum having openings in its front wall provided with flanges, andirons at opposite sides of the fireplace, each comprising a vertically disposed hollow post portion forming an air chamber opening through the base of said post portion and a hollow horizontal arm communicating at its front end with said air chamber and having a flange at its rear end, the flanges of said horizontal arms of the andirons being coupled to the flanges of the drum openings and said post portions of the andirons being provided with supporting feet holding the base portion of said andirons at an elevation above the hearth and providing a plurality of air inlets leading to the base inlet of each air chamber, a radiator, and conductors leading from the drum to said radiator, said radiator comprising a casing of triangular form in cross-section having a straight vertical rear wall arranged in advance of the fireplace and extending above and below the lintel thereof, a horizontal bottom wall and a downwardly and forwardly inclined front wall, said inclined front wall being provided with heat outlets and forming a sloping surface for deflecting dust and foreign particles forwardly beyond the line of the post portions of the andirons.

1,488,196. ANDIRON. JAMES B. DAWSON, Portland, Oreg. Filed Sept. 21, 1921. Serial No. 502,204. 1 Claim. (Cl. 126—298.)



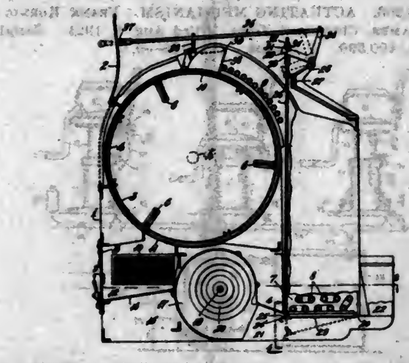
As a new and improved article of manufacture, an andiron comprising an upright post portion formed of a hollow body and providing an air chamber closed at the top and having an air inlet through the base of said post portion, a hollow horizontal arm portion having a passage extending continuously therethrough and communicating at one end with said air chamber at one side of said post portion, and an annular series of outwardly and downwardly inclined feet projecting from the base of the post portion and arranged to support the same at an elevation above the surface on which the feet rest, said feet being spaced to provide an annular series of passages therebetween for lateral flow of air from all sides to the space beneath the post and thence to the bottom inlet of the air chamber in the post portion.

1,488,197. AUTOMATIC AIR SHOCK ABSORBER. ALBERT H. DEMKE, Lakewood, Ohio, and DANIEL K. POPE, Oklahoma City, Okla., assignors of one-third to William A. Kelly, Sulphur, Okla. Filed June 27, 1922. Serial No. 571,174. 5 Claims. (Cl. 188—88.)



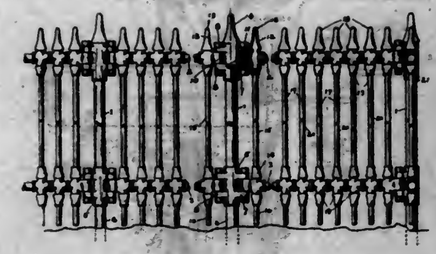
1. In an automatic air shock absorber of the character set forth, the combination of a tubular casing, dual pistons adapted to reciprocate therein, and including piston rod extending through one end of the casing, attachment means connected to the outer end of the piston rod and opposite end of the casing, said pistons being provided with ports therethrough, cutoff valves adapted to control the flow of air through said ports, with valve control to inlet openings at either end of the casing, for alternately admitting air to said cylinder at opposite sides of said pisons, and a port through said piston rod with check valve at outer end co-operating with said ports to control the discharge of air therefrom.

1,488,198. DRYING APPARATUS. JOHN J. DEWEY, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Jan. 12, 1918, Serial No. 211,531. Renewed May 23, 1922. Serial No. 563,125. 21 Claims. (Cl. 34—5.)



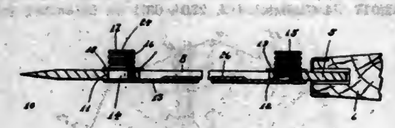
2. Drying apparatus, comprising a casing provided with a drying chamber in its upper portion, a heating chamber behind the drying chamber and a passage leading to an outlet, an air circulating device located beneath the drying chamber and communicating with said passage, a screen chamber located between the drying chamber and device, a movable member arranged in one position to divert a portion of the air to said heating chamber and a portion to the outlet and in another position to close communication between said passage and the heating chamber, and an air inlet to said casing between said device and drying chamber.

1,488,199. IRON FENCE. SEBASTIAN FALENDYSH, Rochester, N. Y. Filed Mar. 2, 1923. Serial No. 622,428. 1 Claim. (Cl. 256—21.)



A fence made up of a series of post units, each of said post units comprising a cap member, a base member and a body member, said base and cap members having lugs projecting therefrom, a hinge pin mounted in said lugs, a picket member, said picket member comprising a cap member, a base member and a body member, said cap and base members of said picket member having a lug formed thereon, said lugs being mounted to swing on said hinge pins, and hinge said cap member of said picket member to said cap member of said post unit and hinge said base member of said picket member to said base member of said post unit, horizontal rails supported by said cap and base members of said picket member, a separate picket member comprising cap and base members, ducts leading through said cap and base members of said separate picket members, said horizontal rails being adapted to pass through the ducts in said cap and base members and support a series of said separate picket members.

1,488,200. SLICING KNIFE. HENRY GEHRING, Cincinnati, Ohio. Filed Apr. 18, 1922. Serial No. 555,207. 2 Claims. (Cl. 30—20.)



1. In a device of the class described the combination of a holder having a pair of bores, a blade having a cutting edge, pins mounted on the blade, the pins being adapted to be reciprocated in the bores whereby to space the cutting edge of the blade at various distances from the holder and having grooves formed in them, and clips slidably mounted on the holder adapted to engage in the grooves whereby to secure the pins against movement.

1,488,201. HEATING ATTACHMENT FOR VENDING MACHINES. MARK A. GLASCO, Columbus, Ohio, assignor of one-half to Hugh Huntington, Columbus, Ohio. Filed Feb. 15, 1922. Serial No. 536,743. 6 Claims. (Cl. 34—21.)



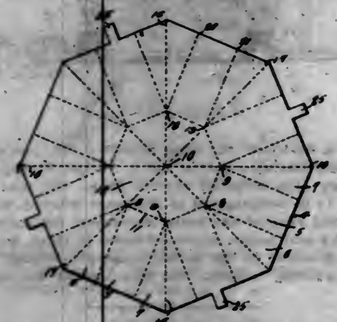
1. A heater for nut vending machines and the like including a globe supporting ring, a base or partition plate around which the ring is formed, said plate having a central aperture and a downwardly opening feed throat at one side of the aperture, an arcuate coil supporting bar of insulating material between the inner surface of the ring and around that portion of the feed throat nearest to the ring, said bar being secured at its opposite ends to the ring in spaced relation to the latter and to the said feed throat, contact posts fixed in spaced parallel relation through the ring, and a heating coil along and around the said bar, connected at its ends to the said contact posts.

1,488,202. PENDULUM BALL. WILLIAM GAUHN, Roslindale, Mass. Filed Jan. 31, 1922. Serial No. 616,218. 6 Claims. (Cl. 58—135.)



1. A pendulum ball having a chamber therein, a plurality of flatly extended heavy elements fitted to said chamber, and means for releasably fastening said elements in said chamber.

1,488,203. SANITARY LINING FOR GARBAGE CANS. JAMES Q. HOUSE, Lock Haven, Pa., and GORDON H. REIFSNIDER, Larchmont, and WILLIAM A. ROWLEY, Mamaroneck, N. Y. Filed Aug. 15, 1922. Serial No. 582,077. 4 Claims. (Cl. 220—63.)



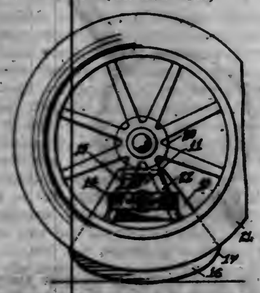
1. As an article of manufacture, a removable sanitary lining for garbage cans comprising a sheet of paper of the shape of a regular polygon so folded and refolded upon itself as to produce a flat rectangle, which when unfolded by reason of the creases made by the folds, is easily positioned in a cylindrical can of the size for which said lining is made.

1,488,204. VEHICLE BRAKE. HARRY JERVIS, Weirton, W. Va. Filed Nov. 6, 1922. Serial No. 599,843. 1 Claim. (Cl. 188—8.)



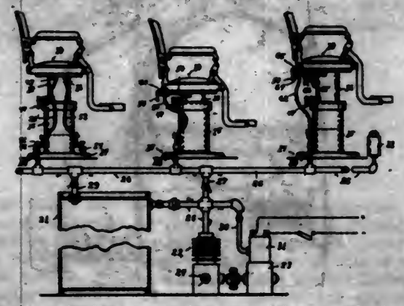
The combination with a sled including runners connected by a cross bar and having a rider's platform, of brackets secured to said platform, an inverted U-shaped yoke mounted in said brackets, a pair of plates fixed respectively to the terminal ends of said yoke, one of said plates being disposed adjacent to each runner, peripheral teeth formed on said plates for direct penetration into the surface over which the sled may be travelling; said teeth being progressively varied in length and having their apexes disposed progressively varying distances from the axis of rotation of said plates, a vertical shaft mounted in said cross bar, a handle for rotating said shaft, a crank thereon, and a rod connecting said crank with an intermediate portion of said yoke.

1,488,205. JACK FOR VEHICLES. THOMAS J. JUDGE, Northboro, Mass. Filed Sept. 28, 1922. Serial No. 591,161. 3 Claims. (Cl. 254—94.)



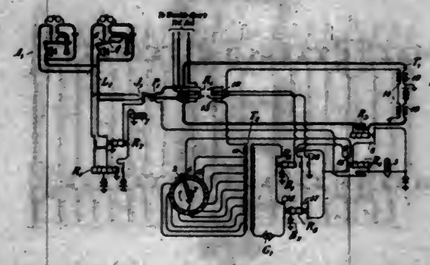
1. As an article of manufacture, a jack adapted to be attached to the side of a wheel, comprising a block having a surface extending beyond the tire and provided with a lateral projection of general triangular shape projecting through the space between two spokes and adapted to fit against their sides substantially throughout their length, and means extending from said projection for fixing the projection and block to the spokes of the wheel.

1,488,206. ACTUATING MECHANISM. FRANK KOENIGKRAMER, Cincinnati, Ohio. Filed Aug. 8, 1921. Serial No. 490,590. 7 Claims. (Cl. 138—9.)



1. An actuating apparatus comprising a cylinder, a plunger mounted in said cylinder and movable relative to said cylinder, a member operatively connected to and adapted to be actuated by the relative movement of said cylinder and plunger, a storage reservoir containing a substantially noncompressible liquid, a port through which said liquid may flow to the interior of said cylinder, a valve operable to positively vary and control the rate of flow of said liquid through said liquid port in either direction, and means controllable to alternately provide a pneumatic pressure in said storage reservoir above the surface of said liquid and to release said pneumatic pressure.

1,488,207. SIGNALING SYSTEM. GEORGE W. KUHN and ROOSA G. RAMSDELL, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 30, 1920. Serial No. 355,175. 8 Claims. (Cl. 179—84.)



1. In a signaling system, the combination of a telephone line having associated therewith a substation set in its operated position, a source of signaling potential, means for connecting said source with said line at the instant of minimum potential, means for disconnecting automatically said source from said line when said substation set is restored to its normal nonoperated position, and means for automatically preventing the reconnection of the said source if the said substation set is subsequently operated.

1,488,208. VALVE-PIN-INSERTING TOOL. DUNBAR G. LAPLACE and EDWARD H. MOORE, Woodville, Miss. Filed Nov. 21, 1922. Serial No. 602,386. 1 Claim. (Cl. 81—3.)

In means for setting valve-stem pins, the combination of a comparatively long casing, a cap having a central opening therein, and threaded to one end of the casing, a movable stem having a portion thereof arranged in the casing and having a grip on one end thereof, a spring surrounding the portion of stem within the casing and secured to one end of the stem and abutting at its opposite end against the interior of the casing, a comparatively thin stem secured to and forming a continuation of the first stem, a second casing threaded to the first casing and surrounding the thin stem; said second casing having an open surface on one side, and a spring clip secured to the second casing and adapted to enter the open end of the same.



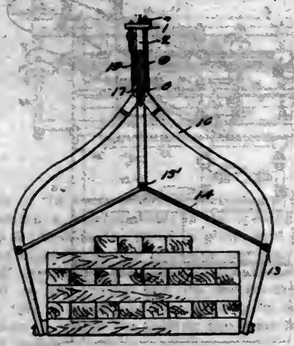
1,488,209. CORSET. JOSEPH LEONARD, Allentown, Pa., assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa., a Corporation of New York. Filed Jan. 13, 1923. Serial No. 612,413. 6 Claims. (Cl. 2—73.)



1. A corset which completely encircles the body and is split at the sides below the waist line, side lacings connecting the adjacent edges of the split sides together and an abdominal belt terminating at its ends adjacent the side splits and connected at its ends to the said side lacings.

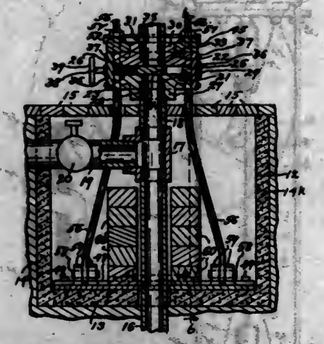
1,488,210. TIE-HANDLING MACHINE. CHARLES W. LEWIS, Portsmouth, N. H. Filed Apr. 21, 1923. Serial No. 633,674. 5 Claims. (Cl. 294—112.)

1. A device of the class described including a beam, a plurality of slotted rods depending from the beam, a shaft movable in the slotted rods, a plurality of grapple arms pivoted on the shaft at their upper ends and arranged in spaced pairs, one pair being disposed adjacent each slotted rod, a plurality of link rods, a pair of said link rods being pivoted to each slotted rod and to the intermediate portions of each pair of grapple arms, a pulley journaled on the shaft, a hoisting cable attached



to the beam, a second hoisting cable trained over said pulley and attached to said beam whereby the grapple arms may be moved to an open position by pulling upon the first mentioned cable and to a closed position by pulling upon the second mentioned cable.

1,488,211. OIL-WELL-CONTROLLING VALVE ATTACHMENT. ANDREW L. LOEFFLER, Cleveland, Ohio. Filed Jan. 24, 1923. Serial No. 614,574. 11 Claims. (Cl. 166—15.)

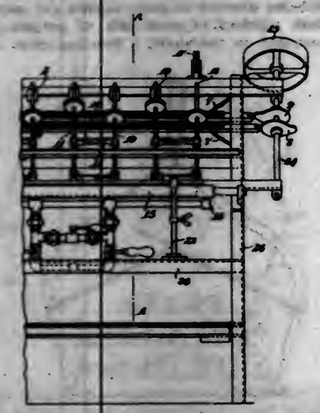


1. In an oil-well-controlling valve-attachment, the combination, with a well-casing, a valve-casing arranged above and connected to the well-casing and having a fluid-outlet and a fluid-inlet which is in communication with the well-casing, and a valve arranged to control communication between said fluid-inlet and said fluid-outlet, the aforesaid valve-casing being provided at the top thereof with an upwardly projecting member which is angular in plan, and the aforesaid fluid-outlet being formed centrally of said projecting member, of a cap plate embracing and conforming to said projecting member and mounted on the valve-casing, and means, independent of the well-casing, for preventing upward displacement of said cap-plate.

1,488,212. APPARATUS FOR SOLDERING CANISTERS. WILLIAM JOHN LUXTON, Liverpool, England, assignor of one-half to William Ahira Green, London, England. Filed Nov. 11, 1922. Serial No. 600,368. 5 Claims. (Cl. 113—68.)

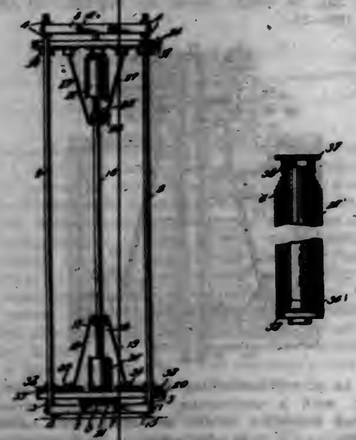
1. A can soldering apparatus comprising a frame, racks slidably mounted in said frame, a plurality of spindles journaled in the frame at right angles to the racks, gears

carried by said spindles and gears of alternate spindles meshing with opposite racks, inter-acting forks mounted



on adjacent spindles, a flux container and a solder container both arranged in the order named at the bottom edge of the frame, and means for reciprocating said racks.

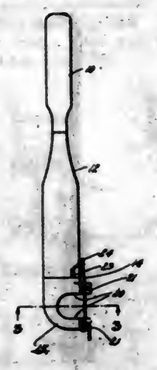
1,488,213. DISPLAY RACK. ELMER E. MCELROY, Youngstown, Ohio. Filed Nov. 20, 1922. Serial No. 602,136. 2 Claims. (Cl. 211—18.)



1. The combination with superposed rotatable heads, a central connection therebetween, and a frame in which the heads are mounted, of socket members depending from the lower face of the upper heads and opening downwardly for receiving the upper end of upwardly displaced cores of rolled material, disks on the lower head for engaging the lower end of the rolled material when displaced downwardly relative to the core, and means upon the center of each disk for supporting the upwardly displaced core with its lower end above the level of the lower end of the downwardly displaced material.

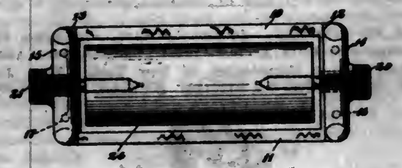
1,488,214. TOOTHBRUSH. SAUL MASON, South Bend, Ind. Filed Jan. 6, 1923. Serial No. 610,958. 1 Claim. (Cl. 132—84.)

A combination tooth brush and dental floss holder including a handle having a brush head at one end and an opening at the other end leading to a compartment formed in the handle, a member having a hub portion insertable at the open end closing the opening and having parallel spaced apart arms with intersecting grooves formed in their extremities, a combination holder and guide mounted on the handle, and a coil of dental floss



arranged in the compartment and adapted to be paid out therefrom through a slot formed in the handle adjacent the hub and having the paid out portion of the floss passing under the holder and fixed in the intersecting grooves.

1,488,215. ROLLING-PIN. FRANK MILLER, West Hoboken, N. J. Filed Nov. 2, 1922. Serial No. 598,630. 1 Claim. (Cl. 107—50.)



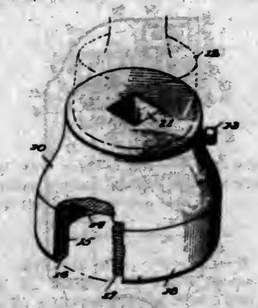
A rolling pin, comprising a frame of rectangular form, including side plates and end plates, sections upon the upper ends of the end plates and formed with hand-hole openings, and a roller removably arranged in said frame and rotatably supported in the respective end plates, the diameter of the roller slightly exceeding the height of the side and end plates.

1,488,216. APPARATUS FOR TREATING ORGANIC MATERIAL. WILLIS E. OVERTON, Baltimore, Md. Filed Apr. 14, 1920, Serial No. 373,990. Renewed Aug. 20, 1923. 12 Claims. (Cl. 34—44.)



1. In apparatus for treating organic material, a normally stationary container having perforations in the lower portion thereof, a pipe having jet tubes having permanent engagement with said perforations, means for supplying a fluid treating medium through said pipe and jet tubes, said container being capable of rotary movement, and means for imparting a rotary movement to said container, pipe and jet tubes.

1,488,217. WRENCH. LOUIS A. PRESTEK, Seattle, Wash. Filed Jan. 17, 1923. Serial No. 613,198. 5 Claims. (Cl. 81—121.)



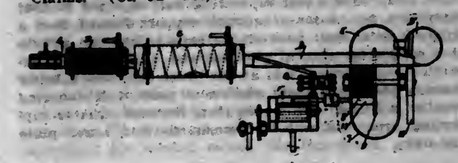
1. A socket wrench having a head of hardened steel formed with a work engaging socket, said head being provided with an annular channel in its periphery, a wrapping of steel wire wound under tension in the channel of the head, the turns of the wrapping being soldered to each other and to the head, and a bushing fitted on the head and secured thereto and enclosing said wrapping of wire.

1,488,218. APPARATUS FOR MANUFACTURING PULP. CHARLES W. SHARTLE, Middletown, Ohio. Filed June 17, 1920. Serial No. 389,584. 9 Claims. (Cl. 92—20.)



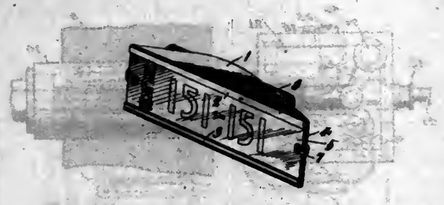
1. In an apparatus for reducing pulp, the combination, with a raw stock breaker and a plurality of finishing beaters, of connections between said breaker and beaters consisting of stock-circulating pipe having intake and discharge connections with said breaker and settling troughs, whereby stock from the breaker will be circulated through said pipe and subjected to a settling operation in said troughs before being delivered to said finishing beaters.

1,488,219. APPARATUS FOR SALVAGING USABLE MATERIALS FROM STREET SWEEPINGS AND DUMP STOCK. CHARLES W. SHARTLE, Middletown, Ohio. Filed June 17, 1920. Serial No. 389,586. 10 Claims. (Cl. 92—20.)



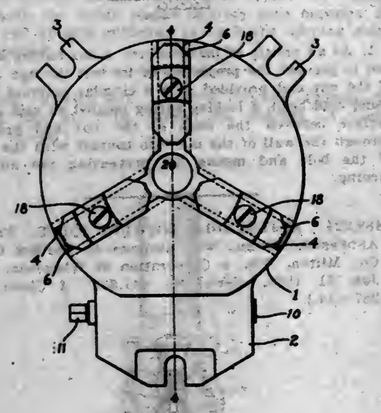
1. In a reducing apparatus for making pulp, the combination of a sifter and means to deliver raw stock thereto, a disintegrator in series with the sifter and adapted to receive the stock therefrom, and means comprising a settling trough, a finishing beater into which said trough delivers its whole flotatable contents, and a thickener into which said finishing beater delivers reduced material, all arranged in series with said disintegrator and cooperating therewith to effect reduction of said stock.

1,488,220. LICENSE-TAG HOLDER. NORMAN STEVENS, Mount Morris, Mich. Filed Nov. 21, 1922. Serial No. 602,390. 1 Claim. (Cl. 40—132.)



A device of the class described including a casing having an opening, a panel movable in the opening of the casing, a clip for holding the panel in place, said clip formed from a bar of yieldable and bendable material overlapped upon itself throughout its length and having its meeting ends fixed to the casing and its intermediate portion curved so that a portion of the clip may be bent over so as to engage the panel for holding the same in the opening of the casing.

1,488,221. DRILL-PRESS CHUCKING VISE. CHARLES F. SWISSGABEL, Dayton, Ohio. Filed Aug. 27, 1920. Serial No. 406,518. 7 Claims. (Cl. 77—63.)



1. A chucking vise, including in combination with an inverted housing constituting a vise mounting base, chuck jaws operably mounted in said base, a bottom closure for the housing having a bearing thereon, chuck jaw actuating mechanism supported on said bearing, including a disc having cams formed therein an operably connected thereby to said jaws, a second disc operable in a direction opposite to said cam disc and coacting therewith to exclude foreign substances from the chuck mechanism, and operating connections for said chuck actuating mechanism.

1,488,222. METAL-WORKING TOOL. NAPOLEON R. THIBERT, Worcester, Mass. Filed Mar. 4, 1922. Serial No. 541,252. 8 Claims. (Cl. 82—1.)

1. In an internal metal working device, the combination of a support mounted to reciprocate, a head yieldingly carried by the support and movable forward with the support until it meets resistance and then capable of stopping without stopping the motion of the support, a slide movable laterally in the head, the head having means

for guiding the slide, a tool movably mounted on the slide and adapted to enter the interior of a blank to be



finished, and oscillatable means within the head for moving the slide sideways when the longitudinal motion of the head is stopped.

1,488,223. LOCK NUT. PAUL D. THIERET, Springfield, Mass. Filed May 23, 1923. Serial No. 640,964. 5 Claims. (Cl. 151—25.)



1. As an article of manufacture, a nut having a closed end to prevent the projection of its bolt through the end of the nut and provided with a circular external surface under said head, a locking spring located on said circular surface between the ends of the nut and projecting through the wall of the nut into contact with the thread of the bolt and means for preventing the nut from turning.

1,488,224. ADJUSTABLE LOCKING JOINT. FRITS A. ANDERSON, Milton, Wis., assignor to Burdick Cabinet Co., Milton, Wis., a Corporation of Wisconsin. Filed Jan. 31, 1921. Serial No. 441,335. 1 Claim. (Cl. 287—14.)



In a device of the character described a pair of members hinged together, one of said members having a tongue with friction washers disposed adjacent thereto and the other member having a pair of arms embracing said tongue and the washers thereon, a pivot bolt provided with a wing nut for manually turning, said bolt having a head formed to interlock non-turnably with respect to the adjacent arm.

1,488,225. METHOD OF VENTILATION. HENRY BARR, St. Louis, Mo. Filed May 5, 1920. Serial No. 379,072. 5 Claims. (Cl. 98—27.)

3. In the ventilation of rooms, the method which consists in delivering to a room fresh air, causing the fresh air so delivered to continually rise and fall through a substantial range in temperature irrespective of room



temperature, and controlling the amount of temperature variation.

1,488,226. ADJUSTABLE BRACKET FOR SUPPORTING WALL RADIATORS. CHARLES J. BRANCH, Philadelphia, Pa. Filed Mar. 8, 1923. Serial No. 623,567. 5 Claims. (Cl. 248—30.)



1. An adjustable bracket for supporting wall radiators, comprising a rear supporting wall engaging member carrying a nut, a lower radiator support formed from a strip of metal bent between its ends to provide a radiator supporting arm at one end and a downwardly extending rear vertical arm at the other end, which latter engages the lower front surface of said wall engaging member, a bottom reinforcing plate for said radiator supporting arm, and a bolt common to said lower plate and nut.

1,488,227. METHOD AND APPARATUS FOR APPLYING BELT HOOKS. WILLIAM H. BRISTOL, Waterbury, Conn. Filed Dec. 26, 1922. Serial No. 609,006. 5 Claims. (Cl. 1—50.)

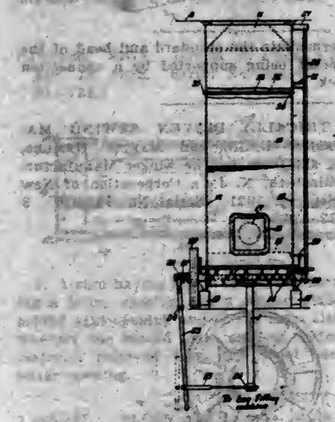
4. Apparatus for securing belt hooks, comprising a block having grooves over a portion of the surface, a guide member movably secured in the block transversely of the grooves therein and adapted to be projected beyond the upper surface thereof, an oscillatable slotted

member, said grooves and slots being adapted to receive the belt hooks, and means to temporarily hold the hooks to said oscillatable member, said hooks in an overturned



position of the said member being adapted to rest against further surface of the block serving as an anvil for securing the hooks to the belt.

1,488,228. MIXING BIN. WILLIAM G. BURNS, New York, N. Y., assignor to Jabez Burns & Sons, New York, N. Y., a Corporation of New York. Filed Apr. 3, 1923. Serial No. 629,548. 8 Claims. (Cl. 221—120.)



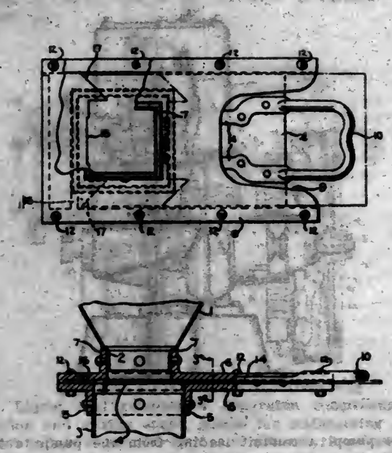
1. A ground coffee and chaff mixing and discharging bin provided with an outlet in the lower portion thereof, means for dislodging the chaff and fine particles tending to adhere to the sides thereof, and mechanism below said means for conveying the contents of the bin toward the outlet and for mixing the loosened particles with the main body of the bin contents, said dislodging means and said mixing and conveying mechanism being operable substantially simultaneously with filling and discharge whereby the discharge comprises substantially constant mixture of coffee with chaff and fine particles.

3. A passageway provided with means for passing a ground product therethrough, and means for simultaneously tapping several sides of the passageway to dislodge adherent material.

4. A bin, tapping means for striking a side thereof, mixing and discharging means within said bin, a gate controling the discharge, and means for simultaneously controlling the mixing means, tapping means, and gate.

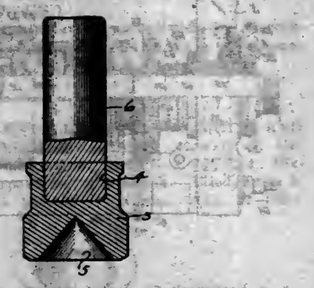
1,488,229. MOVABLE GATE FOR BINS AND THE LIKE. WILLIAM G. BURNS, New York, N. Y., assignor to Jabez Burns & Sons, New York, N. Y., a Corporation of New York. Filed Aug. 15, 1923. Serial No. 657,507. 2 Claims. (Cl. 221—145.)

1. The combination with a chute, of a guideway closed at one end and extending across said chute, a delivery pipe larger than said chute, a substantially rectangular gate slidable in the guideway for controlling the chute and delivery pipe, said gate being shaped at its forward corners to clear the guideway of any material tending



to pack therein and provided with means for engagement with the inside of the delivery pipe opposite the closed end of said guideway to limit the opening movement thereof.

1,488,230. RIVET SET. ISAAC J. CUNDIFF, Chicago, Ill. Filed Dec. 31, 1919. Serial No. 348,690. 1 Claim. (Cl. 78—46.)

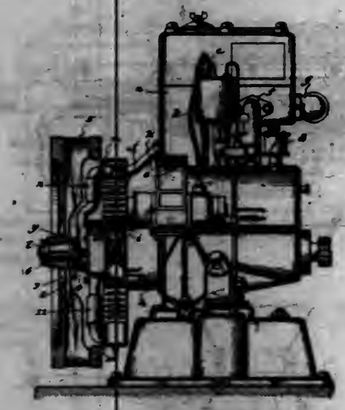


A rivet set comprising a head having a recess in one side with the side wall of said recess substantially cylindrical, the bottom wall substantially plane and the corners between said side wall and bottom rounded, and a shank having one end disposed in and substantially fitting all of the surfaces of said recess, said end of the shank having a snug sliding fit with said recess.

1,488,231. POWER-UNIT ASSEMBLY. EVERETT B. CUSHMAN, Lansing, Mich., assignor to Bean Spray Pump Co., San Jose, Calif., a Corporation of California. Filed Aug. 11, 1923. Serial No. 656,952. 13 Claims. (Cl. 123—170.)

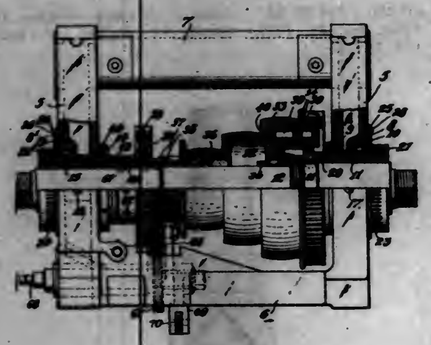
1. The combination of a water jacketed engine provided with a crank shaft extended at one end, a radiator provided with upper and lower headers and concentric with the extended crank shaft, a water pump having a rotat-

ing member mounted on the crank shaft, a conduit leading from the water jacket through the top of the radiator



to the pump, a conduit leading from the pump to the lower header of the radiator, and a conduit leading from the upper header of the radiator to the water jacket.

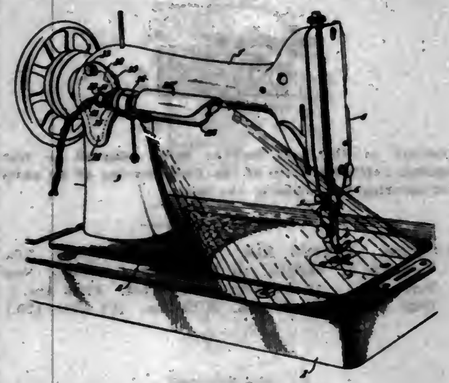
1,488,232. HEADSTOCK. HUBERT DALTON, New York, N. Y. Filed Oct. 11, 1921. Serial No. 507,033. 6 Claims. (Cl. 82—30.)



1. A headstock for metal working machines including a spindle having means at each of its ends for the connection of a driven part thereto, a bearing for each end of said spindle, driving means on the spindle between said bearings, a thrust receiving collar engaged with the inner end of each bearing, and an adjustable device interposed between the drive means and one of said collars for compensating for wear in the bearings incident to end thrust of the spindle in either direction to thereby maintain the spindle in an axially fixed position.

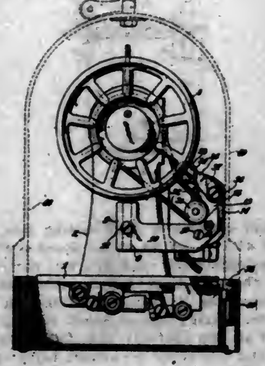
1,488,233. LIGHTING ATTACHMENT FOR SEWING MACHINES. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 5, 1921. Serial No. 449,968. 9 Claims. (Cl. 240—2.)

1. The combination with a sewing machine frame having a bed and gooseneck including a standard and overhanging horizontal arm terminating in a head, together with the usual stitch-forming and feeding mechanisms, of an electric lighting device including a lamp-bulb and lamp-socket directly mounted horizontally closely in rear of and alongside the horizontal member of the



gooseneck and intermediate the standard and head of the gooseneck, said socket being supported by a connection with said gooseneck.

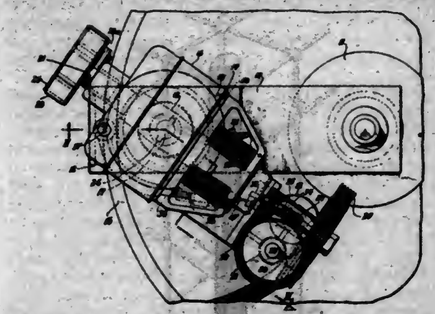
1,488,234. ELECTRICALLY-DRIVEN SEWING MACHINE. FREDERICK DIEHL and MARTIN HEMLER, Elizabeth, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 3, 1921. Serial No. 498,316. 8 Claims. (Cl. 172—36.)



1. The combination with a sewing machine having a frame formed with a bed and a hollow bracket-arm standard, and a main-shaft sustained by said frame, of a motor permanently mounted in driving position on said frame and at all times having its power-shaft below the level of and substantially parallel with the sewing machine shaft, said motor having an armature and field coils and a motor-frame encircling and enclosing said armature and field coils and externally flattened vertically at opposite sides of the motor-shaft and disposed with one of its flattened faces closely adjacent to the standard.

1,488,235. STONE-DRESSING MACHINE. LEONARD DOTZEL, New York, N. Y., assignor to Wallace T. Jones, Jr., Brooklyn, N. Y. Filed June 20, 1921. Serial No. 478,810. 16 Claims. (Cl. 125—28.)

1. In a stone dressing machine, a driving shaft, a disk shaft disposed substantially parallel to the stone to be dressed and having one or more cutting disks mounted thereon, power operated means for rotating said disk shaft, means operated from said driving shaft for oscillating said disk shaft in a plane substantially parallel to the surface of said stone, and means also operated by



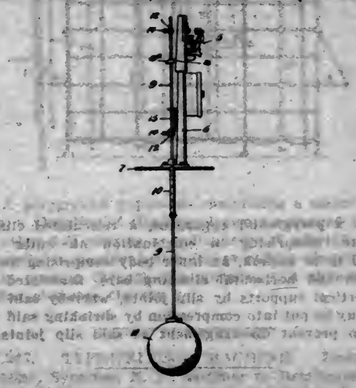
said driving shaft for advancing said disk shaft in a direction substantially perpendicular to said surface to increase the depth of cut of said disks.

1,488,236. SIGN. DANIEL F. DUCK, Chicago, Ill. Filed Apr. 12, 1922. Serial No. 551,877. 5 Claims. (Cl. 40—133.)



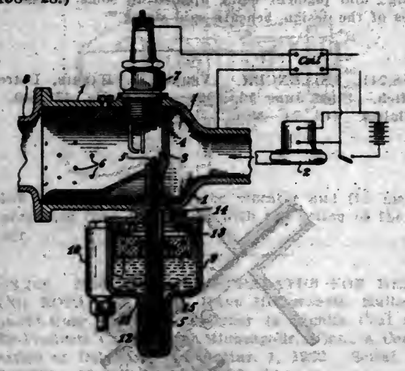
1. A sign having a sign letter consisting of a plate having a letter opening and a second plate located directly behind said opening and of the same size as said opening, whereby the second plate may, if desired, consist of the material removed from the front plate to make the letter opening.

1,488,237. FLOAT-ACTUATED ELECTRIC SWITCH-OPERATING MECHANISM. AUGUSTUS C. DURDIN, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 7, 1922. Serial No. 541,659. 4 Claims. (Cl. 200—84.)



1. Float actuated electric switch operating mechanism, comprising a float and a float rod secured thereto, spaced switch lever operating collars secured thereon, and an auxiliary switch lever operating element mounted on said float rod and connectible with and disconnectible from one of said collars, whereby the float rod may become effective at a plurality of positions.

1,488,238. COMBUSTION APPARATUS. JOHN GOOD, Garden City, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed Feb. 11, 1920. Serial No. 357,846. 5 Claims. (Cl. 158—28.)

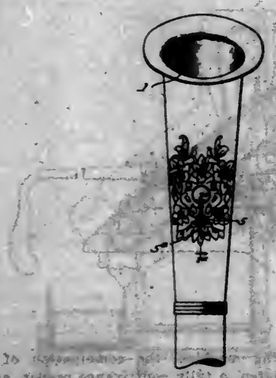


1. Liquid fuel combustion apparatus comprising an ignition and mixing space, means for maintaining coincident inflow of air thereinto and exhaust therefrom, an igniter therein, means operating independently of control through the air flow for supplying a two-stage delivery of fuel to said space, the first stage being at a rate predetermined to suit the ignition characteristics of said space and the second stage to suit the requirements of continued normal combustion therein.

1,488,239. PROCESS FOR THE MANUFACTURE OF PHTHALIMIDE. ARTHUR GEORGE GREEN and STANLEY JOSEPH GREEN, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed July 3, 1922. Serial No. 572,724. 4 Claims. (Cl. 260—124.)

4. Process of manufacturing phthalimide by directly oxidising α-nitro-naphthalene by means of hot air in the presence of oxide of vanadium as catalyst.

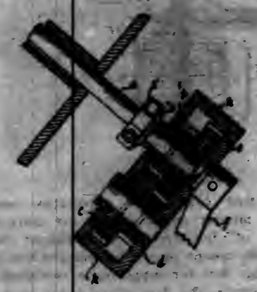
1,488,240. ORNAMENTALLY-ENGRAVED METAL AND METHOD OF PRODUCING SAME. EDWARD J. GULICK, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed June 2, 1922. Serial No. 565,471. 1 Claim. (Cl. 41—38.)



The method of ornamenting metal, which consists in applying to the surface of the metal, platings, coatings, films, or the like, to produce a composite material having strata of contrasting appearance, and then cutting

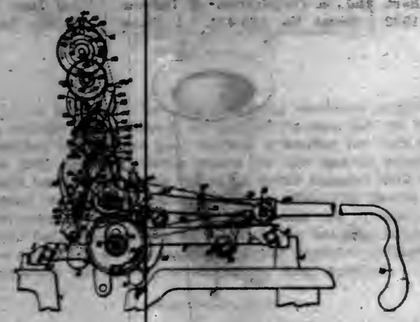
through one or more strata of the resultant piece to disclose under strata of the composite material on lines conforming to the ornamentation to be produced; the resultant surfaces and cuts being finished with a transparent sizing; and pigment being applied to some of the surfaces of the design, beneath said sizing.

1,488,241. SILENCER. VERNON J. HARRIS, Detroit, Mich. Filed June 10, 1921. Serial No. 476,440. 8 Claims. (Cl. 74—9.)



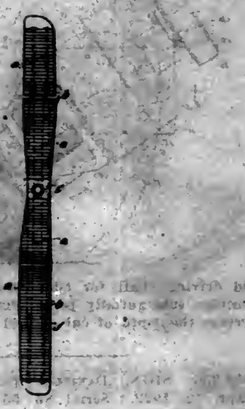
1. In combination with the steering post of a motor vehicle and the steering gear casing, a clamping device adjustable on the steering post at a point above the casing, spring means interposed between the clamp and casing and held under tension by the clamp to exert upward pressure on said post relative the casing.

1,488,242. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 22, 1922. Serial No. 570,220. 90 Claims. (Cl. 197—182.)



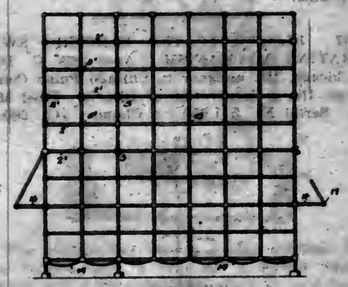
1. In a typewriting machine, the combination of a platen carriage, a platen, a tally contrivance proper, and a support therefor comprising a pair of brackets pivotally supported on the carriage and a tie rod connecting said brackets, said support maintaining said tally contrivance at rest against the platen.

1,488,243. PROPELLER FOR AIRCRAFT. JAKOB HAW, Berlin, Germany. Filed Feb. 16, 1921. Serial No. 445,580. 10 Claims. (Cl. 170—159.)



1. In a propeller for air-craft, a blade comprising, steel rods, cross pieces of wood or the like arranged in groups on the steel rods and glued together, and cross members adapted to be displaced on the steel rods and to firmly secure the groups of cross pieces thereon.

1,488,244. CLIMBING STRUCTURE. SEBASTIAN HINTON, Winnetka, Ill., assignor to Junglegym, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1920. Serial No. 414,080. 18 Claims. (Cl. 46—69.)

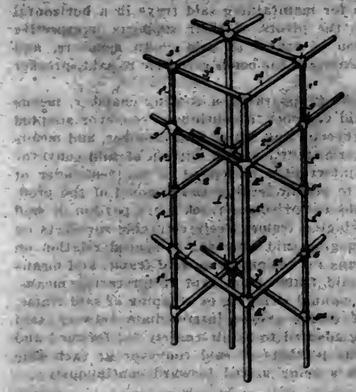


1. In a playground apparatus, a reticulated climbing structure, comprising in combination an outer layer adapted to be shrunk, an inner body comprising vertical supports and horizontal climbing bars, associated with said vertical supports by slip joints, whereby said inner body may be put into compression by shrinking said outer layer to prevent disengagement at said slip joints.

1,488,245. CLIMBING STRUCTURE. SEBASTIAN HINTON, Winnetka, Ill., assignor to Junglegym, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1920. Serial No. 414,081. 4 Claims. (Cl. 46—69.)

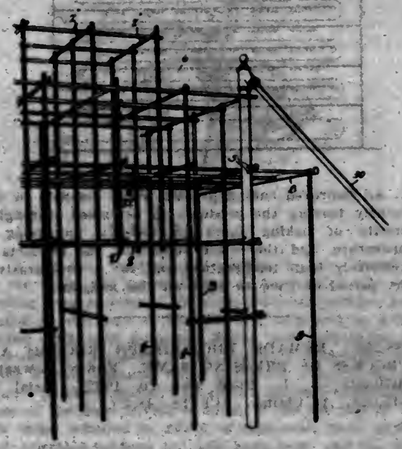
1. A reticulated climbing structure for children, comprising supports, having sockets therein, wooden climbing bars extending in a plurality of directions and spaced

and arranged to permit climbing from one to another in a plurality of selective dimensions from points within



the structure, said bars fitting at their ends in said sockets, and means for preventing said bars from being withdrawn from the sockets.

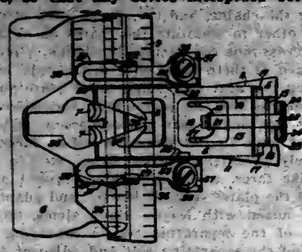
1,488,246. CLIMBING STRUCTURE. SEBASTIAN HINTON, Winnetka, Ill., assignor to Junglegym, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 509,870. 5 Claims. (Cl. 46—69.)



1. A playground apparatus comprising a series of uprights, a plurality of climbing elements arranged to cross each other and provide a multiplicity of adjoining cells, said uprights having bolt-holes extending therethrough, U-bolts passing through the uprights and clamping the climbing elements thereto.

1,488,247. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 26, 1922. Serial No. 590,647. 8 Claims. (Cl. 197—154.)

8. In a typewriting machine, the combination of a platen, a type bar center guide, and a ribbon vibrator mounted thereon, said vibrator being formed from a single piece of sheet metal with ribbon carrying arms, no portion of which is interposed between the platen and the type guide, so that any device interposed between the



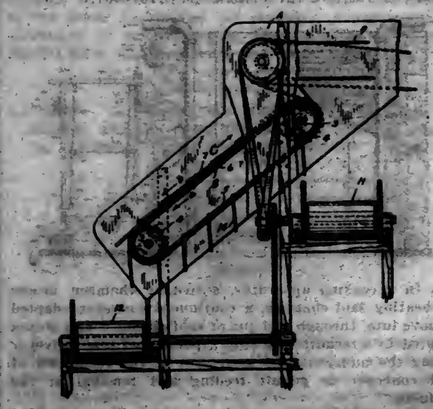
ribbon carrying portion of the vibrator and the platen is prevented from interfering with the action of the vibrator.

1,488,248. PROCESS AND APPARATUS FOR HEATING ROTARY KILNS. HANS HOLWARTH, Mulheim-on-the-Ruhr, Germany, assignor to Lignite Coal and By-Products Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Mar. 1, 1922. Serial No. 540,336. 10 Claims. (Cl. 263—34.)



1. The process of heating rotary kilns for the distillation of coal and other bituminous materials, which consists in producing combustion gases of comparatively high temperature, then mixing them with air of lower temperature, and then bringing the mixture thus cooled into contact with the kiln.

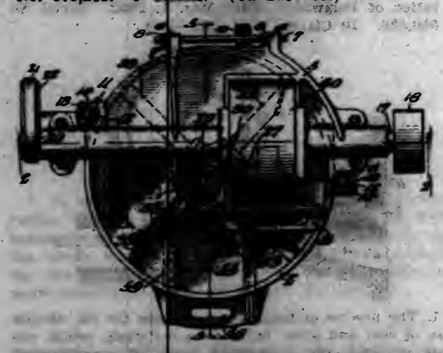
1,488,249. SEPARATOR. EMIL CLEMENS HORST, San Francisco, Calif. Filed Jan. 28, 1920. Serial No. 354,724. 1 Claim. (Cl. 130—30.)



An apparatus for separating hops from leaves, vines, stems, etc., comprising a pair of flexible endless link chains, said chains being separated and maintained in

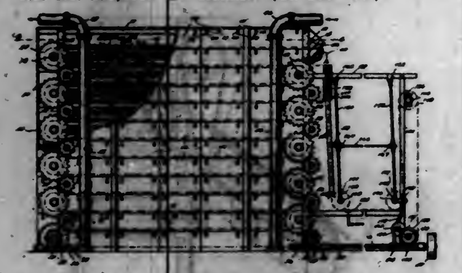
parallelism, an upper and a lower shaft, interspaced sprocket gears mounted on each shaft, said sprocket gears supporting the chains, and the shafts being mounted one above the other to maintain the chains on an angle, interspaced cross-rods connecting the chains, a plurality of plates hinged at their upper ends to the rods, each plate over-lapping the next succeeding lower plate and having such a thickness that the plates form successive step-like surfaces of less incline than the supporting chains, thereby allowing hops to roll down the offset faces, and simultaneously permitting leaves, stems, etc., to settle on the step-like faces, a conveyor belt disposed above the chains and the plates carried thereby, and adapted to deliver hops mixed with leaves, vines, stems, etc., to the upper end of the separating belt, a conveying belt disposed behind the separating belt and adjacent the upper end thereof to receive leaves, vines, etc., and a conveyor belt disposed below the separating belt and adapted to receive hops which roll off the plates carried by the separating belt.

1,488,250. CUTTING MACHINE. CHARLES W. HOFFMANN, Philadelphia, Pa. Filed Oct. 26, 1923. Serial No. 670,265. 9 Claims. (Cl. 146—79.)



1. In a cutting machine, a stationary casing having a chamber, rotatably mounted knives extending into said chamber, means adapted to travel beneath said knives to effect the feed of the material to be cut, and means to actuate said knives.

1,488,251. BAKING OR COOKING APPARATUS. HENRY A. HOUSE, Bridgeport, Conn. Filed July 12, 1917. Serial No. 180,106. 27 Claims. (Cl. 107—57.)

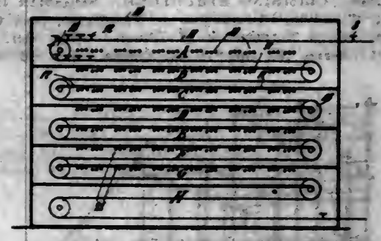


5. In a cooking apparatus, a cooking chamber, means for heating said chamber, a continuous conveyor adapted to move into, through and out of said chamber, and means adapted to intermittently stop a portion of said conveyor during the uninterrupted movement of the remainder of said conveyor to permit feeding and removal of the products.

6. In a cooking apparatus, a continuous conveyor comprising a succession of trays, means for frictionally supporting said trays to permit ready removal and replacement of the trays, chain members pivotally carrying said supporting means, sprocket wheels at the bends of said chain members, and means rigidly connected to said supporting means for maintaining said trays in a horizontal position above the pivots of their supports irrespective of the direction of travel of said chain members, and curved guides adjacent the bends eccentric to said sprocket wheels.

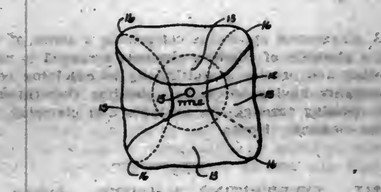
21. In a cooking apparatus, a cooking chamber, means for heating said chamber, a continuous conveyor adapted to move into, through and out of said chamber, and means adapted to intermittently stop a portion of said conveyor during the uninterrupted movement of the remainder of said conveyor to permit feeding and removal of the products, said means comprising a track for a portion of said conveyor, a swinging frame, freely rotatable sprockets on said frame engaging said conveyor in spaced relation on said track, means for reciprocating said frame, and means for releasing said frame from said reciprocating means, to permit free manual swinging or stopping of said frame, the portion of said conveyor intermediate between said sprockets being adapted to be alternately fed forward and stopped and the portions of said conveyor at each side of said sprockets being moved forward continuously.

1,488,252. BAKING PROCESS. HENRY A. HOUSE, Bridgeport, Conn. Filed May 20, 1918, Serial No. 235,538. Renewed Nov. 17, 1923. 15 Claims. (Cl. 107—54.)



1. An improved baking process which consists in continuously moving the products to be baked, through a plurality of baking zones successively increasing in temperature, and thereafter subjecting the products to a relatively high temperature and for a comparatively short period of time to drive off the moisture.

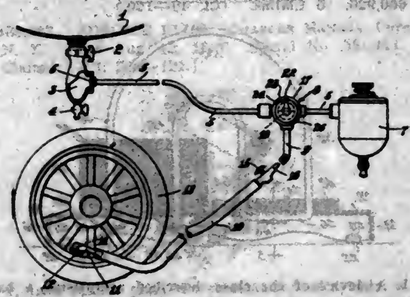
1,488,253. REMADE PHONOGRAPH RECORD AND PROCESS OF PRESSING SAME. EDWIN HOWBRIGG, Belleville, N. J. Filed Mar. 20, 1922. Serial No. 545,026. 16 Claims. (Cl. 18—48.3.)



2. In the process of remaking phonograph records, the steps of heating the record to soften same, folding the record material inwardly from the periphery thereof, and pressing.

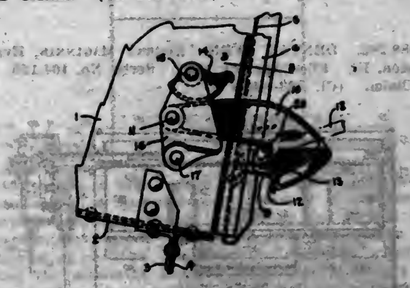
12. As a new article of manufacture, a remade phonograph record having an original record label embedded therein.

1,488,254. AUTOMOBILE ACCESSORY. BERNARD F. JOHNSON, Jersey City, N. J. Filed May 19, 1921. Serial No. 470,913. 5 Claims. (Cl. 137—70.)



5. An accessory for automobiles comprising a conduit device, at least a portion of which is flexible, a coupling element at one end for attaching the conduit device to a valve of a tire and holding the valve open during the attachment, a valve interposed in said conduit device, said device having at its other end a terminal permitting attachment to a liquid conveying pipe to be cleaned by the admission of the air of the tire to the pipe.

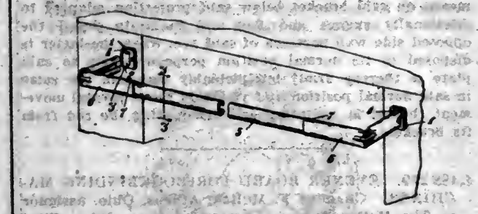
1,488,255. CAR-DOOR MECHANISM. BYERS W. KADEL, Baltimore, Md. Filed Feb. 21, 1923. Serial No. 620,410. 2 Claims. (Cl. 105—308.)



1. A car door mechanism including a door hinged to the car body, the same having a marginal flange outstanding from an edge of the door, a door-supporting hook pivoted to the side of the car and arranged to swing parallel with said marginal flange into supporting engagement with a portion of the door, said supporting hook having a door engaging ledge and being adapted to hold the door partly closed or fully closed, the said outstanding flange of the door having a notch in the vicinity of the hook ledge adapted to admit a removable door prying lever, operable between the said hook ledge and the door for forcing the door from a preliminary to a final position of closure.

1,488,256. CURTAIN FIXTURE. CHARLES W. KIRSCH, Sturgis, Mich. Filed Nov. 23, 1922. Serial No. 602,904. 8 Claims. (Cl. 156—19.)

3. A curtain fixture comprising a rod having a middle portion adapted to extend substantially parallel with a window casing or the like, and two end-portions extending substantially perpendicularly to said middle portion, said end-portions hollow and open at their free ends, a pair of supporting brackets adapted to be secured to the window-casing, the said brackets and free ends of the rod equipped with inter-engaging formations disposed at substantially the highest point in each for effecting attachment of the rod with said brackets, the latter presenting parts below the level of said formations against which the free ends of the rod abut and coact with said formations to support said end-portions of said rod in horizontal position, said rod and brackets equipped with yielding inter-engaging means below said formations coacting to firmly hold the end-portions of the rod against free movement relatively to the bracket in any direction and permitting engagement of one free end of the rod with one of said brackets while the other free end remains disengaged from its bracket and supporting the middle portion of the rod in substantially horizontal position preparatory to effecting engagement of said other free end with its bracket.



1,488,257. CURTAIN ROD AND BRACKET. CHARLES W. KIRSCH, Sturgis, Mich. Filed Jan. 27, 1923. Serial No. 615,223. 6 Claims. (Cl. 156—22.)



2. The combination with a curtain rod member including an arm adapted to be normally supported to project horizontally outwardly from and perpendicularly to the face of a window-casing or the like, said arm open at the end opposed to said face and having perforations in the uppermost and lowermost portions of its wall, respectively, adjacent said open end, a supporting device for said arm including a surface portion against which the open end of said arm is adapted to abut when in its normal position, a hook element adapted to engage in the upper perforation for supporting said arm and maintaining it normally abutted against said surface portion, said arm pivotally movable on said hook element in a vertical plane relatively to the said device through an arc upwardly from its normal position, and a projection adapted to enter the open end of said arm and engage in the lower perforation for yieldably resisting pivotal movement of said arm and preventing disengagement thereof from said hook when in its normal position.

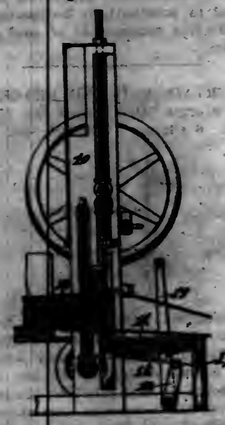
1,488,258. CURTAIN-ROD BRACKET. CHARLES W. KIRSCH, Sturgis, Mich. Filed Jan. 27, 1923. Serial No. 615,224. 1 Claim. (Cl. 156—22.)



A curtain-rod bracket for substantially tubular rods terminating in substantially parallel open ended arms each provided adjacent its open end and in its uppermost wall portion with a perforation, said bracket including a wall-plate, a hook projecting therefrom for engaging in said perforation for supporting the rod and preventing movement thereof away from the said wall

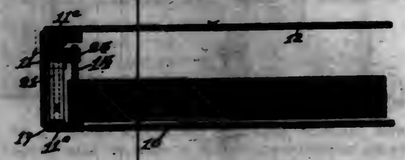
plate, the open end of the arm below said perforated wall portion adapted to bear upon said plate to thereby coact with said projection and perforation to normally maintain said arm disposed perpendicularly to said plate, said arm adapted to be pivotally swung on said projection in one direction to effect disengagement therefrom, and means on said bracket below said projection adapted to frictionally engage and flex and maintain flexed the opposed side wall portions of said arm when the latter is disposed in its normal position perpendicularly to said plate to thereby firmly but yieldably maintain the same in said normal position and yieldably resist pivotal movement thereof in mounting and demounting the rod from its brackets.

1,488,259. EVENER BOARD FOR BOOKBINDING MACHINES. CHARLES F. MCBEE, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio. Filed Dec. 30, 1918. Serial No. 269,009. 2 Claims. (Cl. 11—1.)



1. In a book binding machine a device for evening the papers to be bound, comprising an evener board mounted to the standards of the machine; means to position and retain the evener board in a substantially vertical plane and in advance of the standards of the machine; means to lower the evener board from the substantially vertical position to a substantial horizontal position projecting forwardly from the standards of the machine; means to retain the evener board in the said substantially horizontal position, substantially as shown and described.

1,488,260. LOOSE-LEAF FILE. CHARLES F. MCBEE, Athens, Ohio, assignor to The McBee Binder Company, Athens, Ohio. Filed Dec. 30, 1918. Serial No. 269,011. 5 Claims. (Cl. 129—7.)



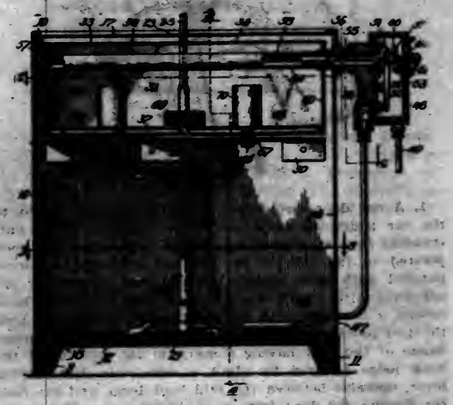
1. A combination paper file and punch, comprising a base with upright posts therein, said posts adapted to operate as punches; a carrier plate secured to the file and mounted for upward and downward movement and provided with orifices to receive the punch posts; an upper cover means to lock the upper cover of the file to the carrier plate; a back connecting the base and upper cover, substantially as shown and described.

1,488,261. CALENDAR STAND. EZRA T. MACINTYRE, Rye, N. Y., assignor to Defiance Sales Corporation, New York, N. Y. Filed Oct. 6, 1923. Serial No. 666,920. 5 Claims. (Cl. 40—120.)



1. A device of the class described comprising a base, an arch having all its uprights in the same plane, two of said uprights being united by a straight bridge portion and at least one of said uprights being notched near one end, a lip on the underside of said base extending below said bridge portion to prevent vertical displacement of the arch; said base having offset notches in juxtaposition to said lip forming seats for holding the uprights adjacent said bridge portion against horizontal displacement, said base also being perforated to receive the other uprights, and a rigid member secured to and spaced away from the underside of said base for receiving at least one of the last named uprights and adapted to prevent the arch from rocking in a direction transverse to its vertical plane.

1,488,262. DENTAL OVEN. EUGENE MACINNIS, Evanston, Ill. Filed Apr. 25, 1921. Serial No. 464,150. 1 Claim. (Cl. 263—42.)



An oven of the character described, comprising in combination, a housing having apertured top and bottom walls, legs supporting said housing, the front wall of said housing having upper and lower doorways and doors therefor, a gas-burner supported on said bottom wall, a horizontal partition-wall in said housing between said doorways leaving a space between itself and the end and back walls of said housing, a chamber above said partition-wall having its top, rear, and end walls spaced inwardly from the corresponding walls of said housing and its bottom wall spaced above said partition-wall, the top wall of said chamber being apertured for ventilation, the lower door of said housing affording access to the compartment containing the gas-burner, the upper door affording access to said chamber, a heat deflector secured below said partition-wall above said burner, a deck plate in said chamber having downturned marginal flanges

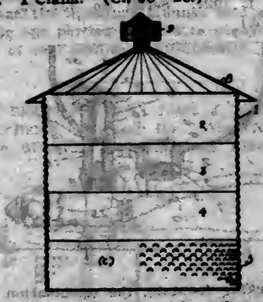
resting on the bottom wall thereof, a thermostat in said chamber, a gas pipe connection with said burner, and a valve in said connection controlled by said thermostat.

1,488,263. FUSIBLE PLUG. CHARLES MANDRA, Corona, N. Y. Filed Aug. 12, 1922. Serial No. 581,411. 7 Claims. (Cl. 200—121.)



1. In a fusible plug, the combination of a body, a lid, a lock and a fusible element, and means to open automatically the lid when the said fusible element is burned out.

1,488,264. CRIB OR THE LIKE. ROYAL E. MARTIN, Mansfield, Ohio. Filed Nov. 10, 1921. Serial No. 514,270. 1 Claim. (Cl. 98—26.)



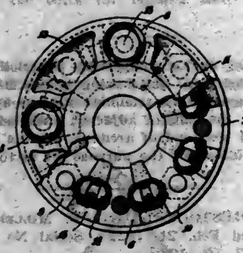
In a crib, a base formed with a channel open to the atmosphere, a slatted support arranged on the base, a crib bottom arranged on the support and formed with perforations, a crib wall rising from the bottom and formed at sections, the lower section being perforated and the remaining sections being imperforated, a top arranged on the upper end of the wall and a ventilator opening through the top directly into the crib at the top, whereby air may be drawn through the crib bottom and lower wall section and caused to circulate through the material in the crib and through the ventilator through natural draft.

1,488,265. INFLATABLE COVER FOR LAMPS AND THE LIKE. ICHIRO N. MATSUO, Chicago, Ill. Filed June 7, 1923. Serial No. 643,940. 2 Claims. (Cl. 240—108.)



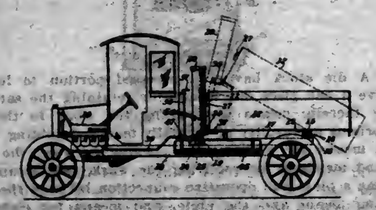
1. A device of the class described, consisting of an inflatable bag-like body made of elastic material and having an elastic reinforced neck adapted for the insertion of a lamp through the same into the body and to engage the neck of the lamp, the said body also being provided with a flexible tube for inflating the same.

1,488,266. COUPLING. WILLIAM F. MELLEN, Cranford, N. J., assignor to Rubber Insulated Metals Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 13, 1923. Serial No. 612,478. 7 Claims. (Cl. 64—96.)



1. A coupling comprising a pair of oppositely disposed members adapted to be carried by the shafts to be coupled, a pivotally mounted tooth on each of said members, a push pin extending between the teeth and a rubber septum interposed therebetween.

1,488,267. PRESSURE DUMPING HOIST. JOHN M. MEYERS, Pittsburgh, Pa. Filed Mar. 30, 1922. Serial No. 548,211. 18 Claims. (Cl. 298—22.)



1. In a truck having a dump body mounted thereon, the combination therewith of means for actuating the dump body, comprising a member connected with the truck to oscillate thereon and carrying a plunger, and a pressure chamber adapted to receive said plunger member and have reciprocating movement thereon, and means connecting said pressure chamber to the dump body.

1,488,268. RECEPTACLE. FRANK M. MISLKE, Duluth, Minn. Filed May 1, 1922. Serial No. 557,574. 2 Claims. (Cl. 43—31.)



1. A leader receptacle comprising in combination two screw threadedly united cylindrical members, the circumferential walls of the body portions of said members being spaced one from the other forming an inner annular space approximately the depth of the box intermediate thereof, two absorbent discs slightly smaller than the interior of the larger or female member of the receptacle and of sufficient thickness to be forcibly held together about the circumferential edges by the impinging of the male member of the receptacle when the latter is assembled, thus forming a leader receiving space intermediate of the discs which is tightly sealed circumferentially.

1,488,269. ANTISKID DEVICE. ALEXANDER R. MIESSJEWSKI, Chicago, Ill. Filed Nov. 13, 1922. Serial No. 600,536. 1 Claim. (Cl. 152—14.)



An anti-skid device comprising a series of pivotally connected links, each link having lateral flanges and an intermediate aperture surrounded by an enclosing grand gripping wall, the ends of adjacent links being connected by a returned bent end of arcuate form on one engaging a slot in the other for the purpose set forth.

1,488,270. DIESTOCK. DAVID B. MILLER, Greenfield, Mass. Filed Feb. 21, 1922. Serial No. 538,284. 7 Claims. (Cl. 10—123.)



3. A die stock having a recessed portion to loosely receive a one piece die, means for retaining the same in place therein, means for guiding the work to the die comprising a plurality of pivotally mounted guiding members, means for varying the opening between the said pivoted members for receiving the work, said means including a plate and operative connection between the said guiding means and the plate, and means for clamping the guiding means and the die in the stock.

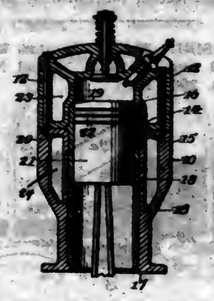
1,488,271. HEXAGONAL DIE. DAVID B. MILLER, Greenfield, Mass. Filed Feb. 21, 1922. Serial No. 538,285. 7 Claims. (Cl. 76—101.)



1. The method of forming the lands of a screw cutting die from a hexagonal blank which consists in first forming a plurality of openings through the blank, then passing a broach through the openings to space and form the lands and their cutting faces.

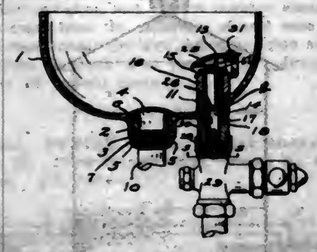
1,488,272. REMOVABLE ENGINE-CYLINDER LINING. FRED E. MILNER, Markle, Ind. Filed Feb. 20, 1921. Serial No. 447,973. 1 Claim. (Cl. 74—108.)

The combination with an engine cylinder having a beveled shoulder at its upper end and an inwardly directed flange at its lower end, the inner face of which is beveled, of a removable lining therefor comprising a cylindrical open-ended body having its lower end outwardly beveled with the said beveled portion resting upon



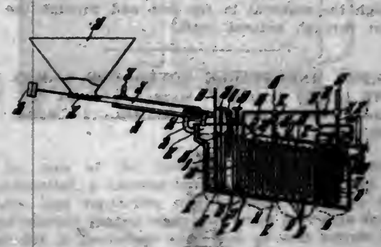
the said flange, and having a V-shaped supporting rib circumscribing its outer wall adjacent the upper end of the cylinder.

1,488,273. DRINKING FOUNTAIN. CHARLES B. MORTIMER, Cleveland, Ohio, assignor to The Central Brass Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 1, 1921. Serial No. 457,732. 5 Claims. (Cl. 290—12.)



1. In a drinking fountain, the combination of a stationary jet orifice member adapted to project a fluid stream upwardly, a hood normally positioned over the orifice of said jet member, a passage leading to the jet, and hydraulically operated means for raising said hood, within said passage.

1,488,274. ART OF MAKING VARNISH. ALEXANDER MURRAY, Springfield, Mass. Filed Aug. 12, 1921. Serial No. 491,772. 36 Claims. (Cl. 134—26.)



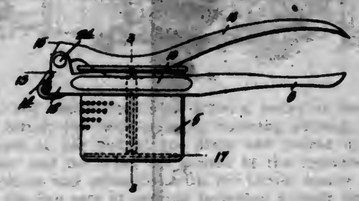
36. An apparatus for the manufacture of varnish, comprising a cooking vessel constructed and arranged to provide an elongated tortuous passage therethrough, means for introducing melted resin together with a neutralizing agent into one end of said passage, means for introducing a drying oil at a point further advanced in said passage, a heating jacket around the portion of said passage between the points of introduction of the resin and the oil, the second heating jacket around said passage beyond the first jacket, a source of heat, a flue for conducting heat from said source to the second jacket, means for regulating the supply of heat to the second jacket, a flue for conducting surplus heat from the second jacket to the first jacket, an auxiliary flue leading directly from the source of heat to the first jacket, an exhaust flue leading from the first jacket, a by-pass from the auxiliary flue to the exhaust flue, a valve in said by-pass, and a thermostat projecting into a portion of the cooking passage heated by the first jacket and connected to regulate said valve to control the supply of heat delivered by the auxiliary flue to the first jacket.

1,488,275. ELECTROMAGNET. NILS E. NORSTROM, Chicago, Ill., assignor to N. E. Norstrom Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 23, 1920. Serial No. 405,511. 5 Claims. (Cl. 175—345.)



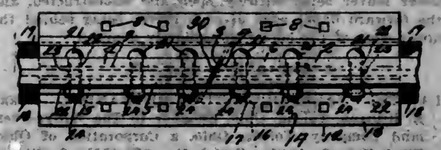
3. An electro-magnet provided with an armature formed of assembled relatively movable lamina, in combination with an armature adjusting element adapted to successively engage the armature lamina, said adjusting element having one portion adapted to engage and actuate a plurality of said lamina simultaneously.

1,488,276. FRUIT PRESS. JOHN J. O'BRIEN and J HARRY O'BRIEN, Chicago, Ill. Filed Nov. 5, 1923. Serial No. 672,872. 3 Claims. (Cl. 146—176.)



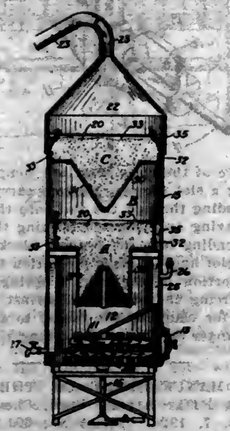
1. In a device of the character described, a circular supporting member, a handle formed integral therewith, a body portion removably mounted in the supporting member, a handle having pivotal connection with the supporting member, flanges forming a part of the last mentioned handle, said flanges having openings, a follower including a pair of spaced arms, adapted to move into the body portion, fingers formed at the upper ends of the arms and adapted to be positioned in the openings of the flanges to secure the follower to the pivoted handle member, and means for restricting movement of the follower with respect to the body portion.

1,488,277. RAIL JOINT. ROBERT E. OSBORNE, Hamburg, N. Y. Filed Sept. 21, 1921. Serial No. 502,183. 1 Claim. (Cl. 238—262.)



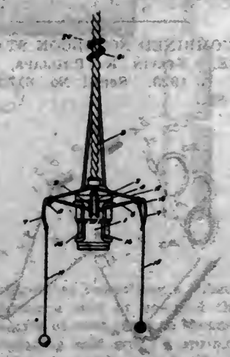
A rail joint comprising a fish plate engaging one side of a rail, said fish plate being provided with a horizontally disposed plate underlying and engaging the under side of the rail and extending beyond the opposite side of the rail, the outer end of said horizontally disposed plate terminating in a vertically disposed flange having its inner side in a vertical plane and in parallel relaton to the rail, a fish plate engaging the other side of the rail and having its outer edge in abutting engagement with the inner side of the flange and disposed between said flange and the adjacent side of the rail, a longitudinally disposed rib carried by the last named fish plate, bolts extending through the fish plates and rail above said rib and wedge shaped members wedged between the rib and the nuts of the bolts for holding said nuts against rotation.

1,488,278. PROCESS OF RECOVERING GASES WHICH ARE FORMED DURING THE DESTRUCTIVE DISTILLATION OF WOOD. CLARENCE F. OTT, Whittier, Calif. Filed Feb. 2, 1921. Serial No. 441,837. 14 Claims. (Cl. 203—6.)



1. In the treatment of gases resulting from the process of destructive distillation volatilizing white oak billets in an enclosed chamber, then subjecting the derived vapors to oxidation and then condensing the oxidized vapors.

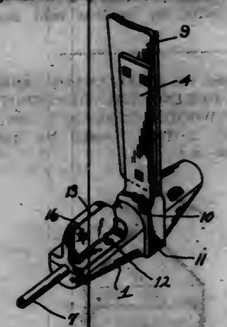
1,488,279. KEY-SOCKET-OPERATING ATTACHMENT. ROBERT J. OWENS, Birmingham, Ala. Filed Nov. 19, 1920. Serial No. 425,249. 5 Claims. (Cl. 240—123.)



1. A pull cord attachment for operating key socket switches, comprising a double lever attachment having means at its center to mount it on the key, a downward projection at one end of the lever struck on a curve substantially concentric with the key, a pull cord attached

to the lower end of said extension at a point substantially below the line of the socket key, and a pull cord attached at the other end of the lever at a point substantially level with the socket key.

1,488,280. MOTOR-VEHICLE SIGNAL. OSCAR B. PERKINS, Grand Ledge, Mich. Filed Sept. 11, 1923. Serial No. 662,131. 2 Claims. (Cl. 116—52.)



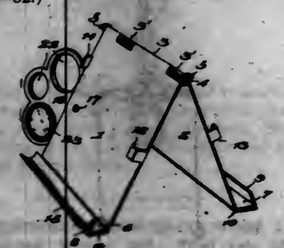
1. A device of the class described comprising a bearing block having a slot therein, a signal carrying arm having a part extending through the slot into the bearing block, said part having an elongated opening therein, a handle member extending into the bearing block through a portion of the slot and having a projection thereon engaging the other portion of the slot, a spring in the bearing block for forcing the projection against one wall of the slot, means for clamping the casing to a part of the vehicle and flanges on the arm engaging the bearing block.

1,488,281. MANUFACTURE OF THREADS, FILMS, RIBBONS, ETC. ALFRED PEEL, Chemnitz, Germany. Filed Feb. 7, 1924. Serial No. 691,275. 4 Claims. (Cl. 18—54.)

1. The process of producing threads, films, ribbons, etc., from viscose solutions, which comprises introducing the viscose solution into an acid precipitating bath containing carbohydrates produced by the saccharification of ivory nut shells or shells of similar fruit.

3. The method of producing a precipitating bath for viscose solutions which comprises subjecting ivory nut shells or shells of similar fruit to saccharification with an acid, filtering the resulting solution and adjusting the carbohydrate content of the solution to about 10 to 30 per cent.

1,488,282. COMBINED NOTEBOOK STAND AND VANITY CASE. KELVIN R. PHILLIPS, Prescott, Ariz. Filed Feb. 6, 1923. Serial No. 617,375. 5 Claims. (Cl. 132—82.)



1. The combination of a pair of members hinged together at one end whereby the same may be moved apart to provide an inclined support, and a vanity case movably mounted on one of said members and normally concealed and covered by the same.

1,488,283. STORAGE SYSTEM. HOWELL D. PRATT, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1921. Serial No. 441,242. 3 Claims. (Cl. 214—10.)



1. The combination of a bin; a piling floor, and inclined structure extending from the top of the bin to the piling floor; means for distributing material on the piling floor; a conveyer above the bin; and means for discharging material carried by the conveyer into the bin or onto the inclined structure.

1,488,284. HEADLIGHT RAY DEFLECTOR. CHARLES W. RENNER, Altoona, Pa., assignor of one-half to Joseph J. Nagle, Philadelphia, Pa. Filed June 9, 1920. Serial No. 387,526. 1 Claim. (Cl. 240—48.4.)

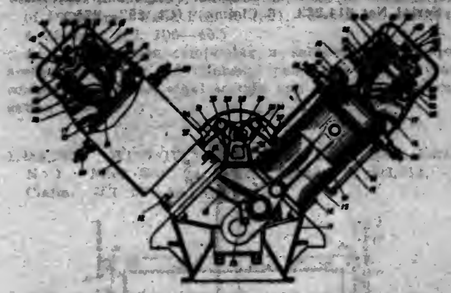


In a headlight ray deflector, an annular frame, and a plurality of crescent shaped forwardly and downwardly inclined louvers located in the upper portion only of said frame, and projecting forwardly therefrom and having their outer terminals attached to the curved side walls of said frame, the reflecting area of each louver decreasing downwardly from the upper to the lowest louver, the rear curved edge of the upper louver being secured to the upper inner periphery of said frame, and the lower louver having its outer ends secured to said frame on about the horizontal median line of said frame, the space between each of said louvers and below the lower louver being entirely open and unobstructed, and the forward upper edge of each louver being behind the upper edge of the louver immediately above it.

1,488,285. VALVE-OPERATING MECHANISM. HARRY E. RHOADS, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 6, 1919. Serial No. 275,466. 6 Claims. (Cl. 123—55.)

5. In an internal combustion engine, intake and exhaust valves, common means operative in opposite directions for opening said valves alternately, an engine driven shaft, a cam thereon, said means carrying a pair

of contact arms rigid with respect to each other arranged to be engaged one at a time by said cam for



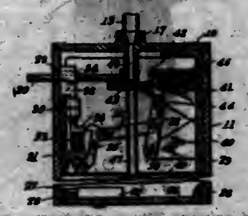
actuating said valve opening means and to remain out of contact with said cam during a portion of each revolution of said shaft.

1,488,286. ELECTRIC HOIST. PAUL C. RICHTER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed May 27, 1921. Serial No. 473,019. 17 Claims. (Cl. 254—168.)



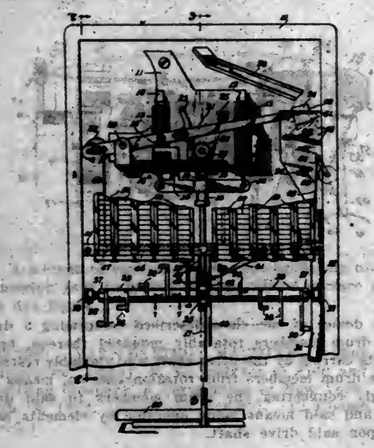
1. The combination of a drum, a motor at one end of the latter, two sets of speed reducing gearing, one set located at one end of the drum and geared up to the motor, and the other set located at the opposite end of the drum and connected with the latter, means connecting the two sets of gearing including a shaft and a mechanical brake and clutch mechanism actuated by the shaft for transmitting motion to the second set of speed reducing gearing and also for retarding the rotation of the drum during the lowering movement of the latter.

1,488,287. COIN BOX FOR COIN-CONTROLLED MECHANISMS. ALBERT B. ROTH, Brooklyn, N. Y., assignor, by mesne assignments, to William N. Fleischmann, New York, N. Y. Filed Apr. 3, 1923. Serial No. 629,560. 3 Claims. (Cl. 232—15.)



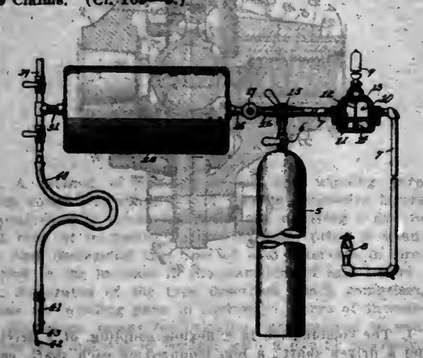
3. A coin box having a coin chute entering therein, a slidable member adjacent thereto and adapted to close said chute, means for operating said slidable member to open said chute and means controlled by said slidable member, for preventing the introduction of said operating means for said slidable member.

1,488,288. COMBINED VENDING AND WEIGHING MACHINE. ALBERT B. ROTH, Brooklyn, N. Y. Filed July 31, 1923. Serial No. 654,812. 19 Claims. (Cl. 194—2.)



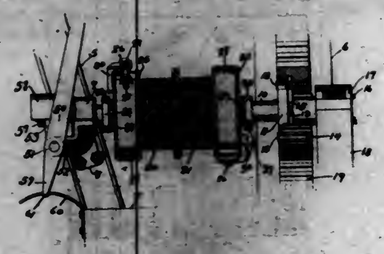
1. In a coin-operated combined vending and weighing machine, in combination, a scale platform, a weight registering member operated by a coin and controlled by the movement of the platform, a commodity receptacle, commodity delivery means, means whereby the delivery means is locked from movement until the insertion of a coin, means whereby the insertion of a coin will unlock the delivery means and means whereby the removal of a weight from the platform will remove a commodity from the commodity receptacle.

1,488,289. FIRE EXTINGUISHER. WILLIAM J. RUFF, Quincy, Ill. Filed Sept. 22, 1919. Serial No. 325,306. 9 Claims. (Cl. 169—9.)



1. A fire extinguisher comprising a substantially cylindrical tank having a seat at one end thereof; a pipe pivoted at the axis of said tank; a member at one end of said pipe engaging said seat; a spring engaging the other end of the pipe and tank holding said member against said seat forming a fluid-tight joint; and hollow weights extending laterally from said pipe and having openings therethrough extending from the interior of said pipe to adjacent the inner wall of the tank at the ends of the latter.

1,488,290. MATERIAL-HANDLING MACHINE. ADOLPH W. RYBECK, Milwaukee, Wis., assignor to T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 13, 1922. Serial No. 574,784. 6 Claims. (Cl. 254—185.)



1. A device of the class described comprising a drive shaft, drum members rotatably mounted thereon, brake elements carried by the drive shaft and yieldably restraining the drum members from rotation thereon, means for drivingly connecting the drum members to said drive shaft, and said means being operable by elements movable upon said drive shaft.

1,488,291. CENTERING DEVICE FOR FLEXIBLE COUPLINGS. CARL A. SCHELL, Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed Oct. 28, 1920. Serial No. 420,107. 4 Claims. (Cl. 64—66.)



1. The combination in a flexible coupling, of a driving and a driven shaft; a hub mounted on each shaft, each hub having arms; a disk secured to the arms of the two hubs and forming a flexible coupling between the two shafts, one of said shafts being hollow; a bushing located within the shaft; a plunger mounted in the bushing and having a ball at its outer end located in a central position in respect to the two shafts; a plate having a half socket in which the ball is mounted and having arms extending in a line with the arms of one of the hubs; bolts securing the disks to said arms, said bolts passing through openings in the arms of the plate; and a cap secured to the plate and forming a continuation of the socket.

1,488,292. ADJUSTABLE STAY FOR DOORS, WINDOWS, FANLIGHTS, AND THE LIKE. WILLIAM SCHOFIELD, London, England. Filed Jan. 22, 1923. Serial No. 614,233. 3 Claims. (Cl. 292—275.)



3. An adjustable stay of the kind described, comprising a tubular body adapted for attachment by a bracket, a central rod slidable therein and also adapted for attachment by a bracket, an automatically acting friction grip between the body and the rod at the one end of said body and which can be adjusted as to the amount of its grip, a cap nut applied to the other end of said body, and a tubular connector disposed within the body to surround the rod and adapted for operation between the cap nut and the friction grip, substantially as described.

1,488,293. METHOD OF AND DEVICE FOR FINISHING TEXTILE ARTICLES. FRITZ SCHUSTER, Chemnitz, Germany. Filed June 1, 1922. Serial No. 565,120. 3 Claims. (Cl. 223—17.)

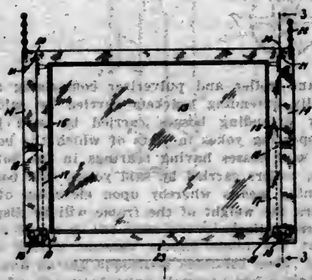


1. The method of making heating units for glove and stocking formers and molds, comprising grooving a sheet metal plate coating the groove with an insulating substance, heating said plate to bake said coating, loosely placing a thin resistance wire in said coated groove and covering said wire with insulating substance.

1,488,294. CELLULOSE-ACETATE FILM. VIRGIL B. SEASE, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Dela., a Corporation of Delaware. Filed Feb. 3, 1921. Serial No. 442,274. 4 Claims. (Cl. 106—40.)

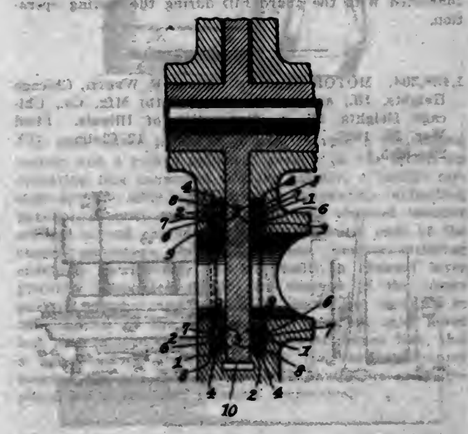
4. A composition comprising a solution of cellulose acetate, triacetin, and triphenyl phosphate in a solvent comprising acetone, ethyl acetate and an acetone-condensation product.

1,488,295. WINDOW. ALEXANDER SORG, New York, N. Y. Filed Nov. 24, 1922. Serial No. 603,014. 1 Claim. (Cl. 20—49.)



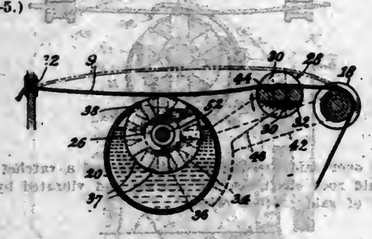
The combination with a window-sash having a longitudinal groove in each of its stiles extending from approximately its middle portion to adjacent its lower end, of a vertical rail abutting against each of said stiles, a horizontal pivot pin on each vertical rail projecting into the groove of the juxtaposed stile, and means for securing said sash and rails in parallel relation.

1,488,296. PACKING RING. HARRY P. STEVENS, New York, N. Y., assignor to Stevens Motors, Inc., New York, N. Y., a Corporation of New York. Original application filed July 8, 1919, Serial No. 309,327. Divided and this application filed Dec. 10, 1919. Serial No. 343,899. 11 Claims. (Cl. 286—7.)



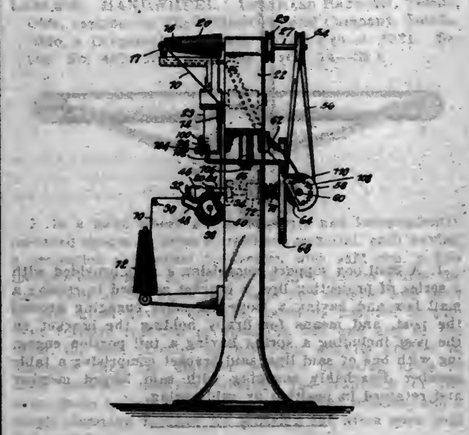
1. A packing comprising, a stiff annular bearing ring, and a second resilient annular ring, substantially parallel with and spaced therefrom, said rings having parts which telescope with each other at adjacent margins so as to form a fluid tight joint between them, the resiliency of said second ring being adapted to maintain said bearing ring in position on its opposed bearing surface under spring pressure.

1,488,297. YARN-DYEING MACHINE. GEORGE T. THOMAYER, Albany, N. Y., assignor to Fuld and Hatch Knitting Company, a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,475. 16 Claims. (Cl. 8—5.)



1. A method of random dyeing yarn by lightly touching the moving yarn in spaced sections with a surface wetted with dye liquor.

1,488,298. YARN-DYEING MACHINE. GEORGE T. THOMAYER, Albany, N. Y., assignor to Fuld and Hatch Knitting Company, a Corporation of New York. Filed Feb. 5, 1923. Serial No. 616,901. 12 Claims. (Cl. 8—5.)



1. A method of random dyeing and winding yarn which comprises, winding said yarn in successive layers of progressively increasing diameters, applying a dye to said yarn at intermittent time intervals prior to winding, and decreasing the time of said intervals in proportion to the increase in the diameters of said layers.

4. Apparatus of the type described which comprises, means for winding yarn in successive layers of increasing diameters, means for bringing yarn passing to said layers into and out of contact with a dye at successive intervals and means for decreasing the time of said intervals with the formation of each successive layer of yarn.

1,488,299. YARN-DYEING DEVICE. GEORGE T. THOMAYER, Albany, N. Y., assignor to Fuld and Hatch Knitting Company, a Corporation of New York. Filed Feb. 15, 1923. Serial No. 619,097. 7 Claims. (Cl. 8—5.)

1. A device of the type described which comprises, a dye tank, a shaft extending through said tank, dye applying wheels on said shaft, a toothed wheel on said

shaft, a rock shaft mounted on the outer surface of said tank, yarn guiding fingers extending from said rock



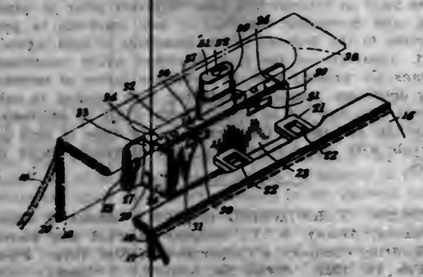
shaft over said dye applying wheels and a ratchet arm on said rock shaft bearing against and vibrated by the teeth of said toothed wheel.

1,488,300. POST AND BRACKET FOR MAIL BOXES. SAMUEL H. THOMPSON, Collbran, Ala. Filed Jan. 23, 1923. Serial No. 614,449. 4 Claims. (Cl. 232—40.)



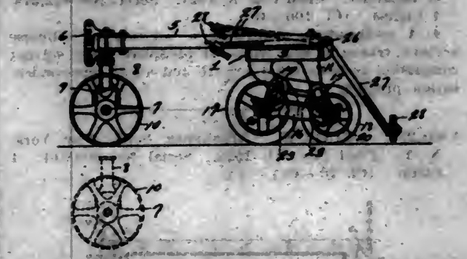
1. A mail box support comprising a post provided with a series of projecting lips, a bracket adapted to receive a mail box and having a looped member engaging around the post, and means for firmly holding the bracket on the post including a spring having a tail portion engaging with one of said lips, said bracket comprising a table member detachably engaging with said looped member and retained in position by said spring.

1,488,301. BAG-FRAME LOCK. HUGO TUECKMANTEL, Newark, N. J., assignor to The T & L Co. Inc., Newark, N. J., a Corporation of New Jersey. Filed Apr. 5, 1923. Serial No. 629,997. 9 Claims. (Cl. 70—2.)



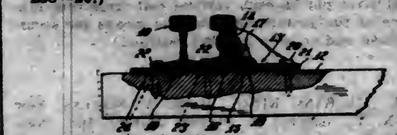
1. A bag frame lock casing having an apertured front wall adapted to receive a keeper, and an outwardly curved flange on said front wall adapted to guide a keeper into the mentioned aperture.

1,488,302. LAND ROLLER AND PULVERIZER. JOSEPH F. WAGNER, South Bend, Ind. Filed Apr. 27, 1922. Serial No. 556,896. 5 Claims. (Cl. 55—21.)



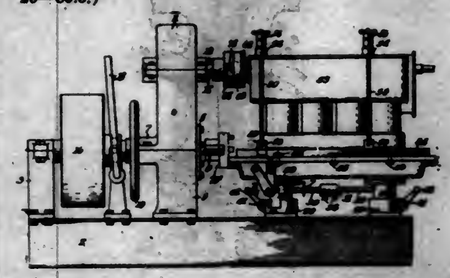
1. A land roller and pulverizer comprising a frame, downwardly extending brackets carried by said frame, outwardly extending bosses carried by said brackets, roller supporting yokes in slots of which the bosses are disposed, said bosses having bearings in the bottoms of said slots, rollers carried by said yokes, said bosses and slots forming means whereby upon elevation of one of said rollers the weight of the frame will be disposed on the elevated roller.

1,488,303. GUARD-RAIL BRACE. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1921. Serial No. 495,385. 19 Claims. (Cl. 238—20.)



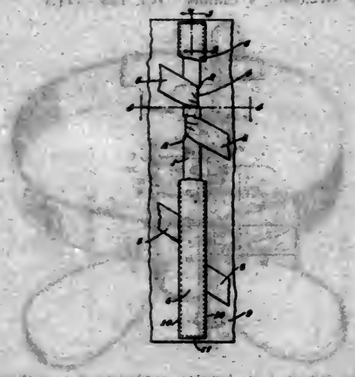
1. A guard rail brace comprising a casting formed with a base portion adapted to be secured to a cross tie and provided with an integral abutment which is rigidly connected with the guard rail during the casting operation.

1,488,304. MOTOR STAND. GEORGE F. WERTH, Chicago Heights, Ill., assignor to Canedy-Otto Mfg. Co., Chicago Heights, Ill., a Corporation of Illinois. Filed Mar. 25, 1921. Serial No. 455,386. 12 Claims. (Cl. 29—89.5.)



1. In a device of the class described, the combination of a frame having a pan mounted thereon for supporting a motor, a pair of laterally separable members mounted respectively on the opposite sides of the pan, clamps for securing the motor on said members, and driving mechanism on the frame including coupling means at one end of the pan adapted to be connected with the crank shaft of a motor mounted on said members.

1,488,305. STEEL FOR CORSETS OR BELTS. JOHN U. ADAMS, Cincinnati, Ohio. Filed Sept. 8, 1921. Serial No. 499,134. 2 Claims. (Cl. 2—76.)



1. In a device of the class described, a reinforcing element; a flexible member wound about the reinforcing element and having oppositely extended ends; a body; a covering for the reinforcing element; and a single means for securing both the covering and the ends of the flexible member to the body along the longitudinal edges of the reinforcing element.

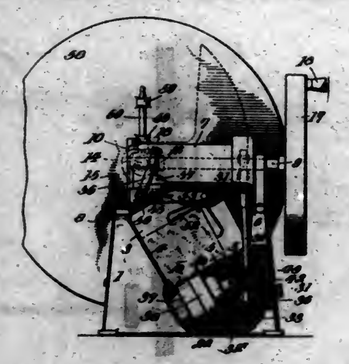
1,488,306. FLOUR SIFTER. ROSS ADAMS, Tacoma, Wash., assignor, by mesne assignments, to Meetz-A-Need Manufacturing Co., a Corporation. Filed Apr. 12, 1923. Serial No. 631,617. 1 Claim. (Cl. 83—30.)



A flour sifter including a body having a reticulated bottom and a rotary agitator operable on the latter, an operating link connected with the agitaor, a handle carried by the body and including outwardly extending parallel channel members, a vertical channel member secured to and extending between the outer ends of the channel members, the said vertical member inclining curvingly downwardly and outwardly, a channel lever pivotally suspended within the channel of the upper parallel member and having its lower end movable in the channel of the lower parallel member, said lower end beng connected with the before-mentioned link, and a bowed spring disposed between the vertical channel member and the channel lever and having its arms disposed within the said members respectively.

1,488,307. CONTINUOUS BREAD SLICER. MORTIMER R. ANSTICE and GEORGE EDGAR HAZARD, Rochester, N. Y., assignors to Josiah Anstice & Co., Inc., Rochester, N. Y., a Corporation of New York. Filed Sept. 14, 1922. Serial No. 588,173. 13 Claims. (Cl. 146—110.)

6. A slicing machine comprising a base, a traveling belt in one wall of the base, a driving shaft extending transversely of the base and above it, a knife intermittently moving across the end of the base and operated



by the driving shaft, and means connected with the driving shaft for intermittently moving the belt when the knife has passed the end of the base.

1,488,308. HANDWHEEL. LEONHARD BAUROTH, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 3, 1921. Serial No. 442,227. 6 Claims. (Cl. 74—33.)



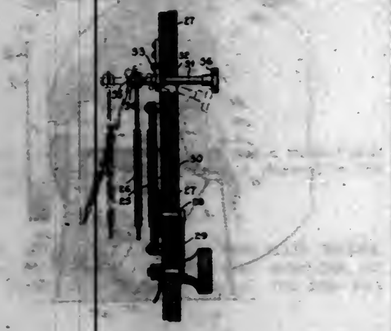
1. In a hand wheel, a rim, separate and independently mounted spokes or arms of resilient material, each having a projection and socket connection with said rim, a hub member comprising an exterior surface against which the inner ends of the arms bear, said hub member and each of said arms having engaging portions adapted to prevent relative rotation between the hub and any of the arms, the said exterior surface being slightly greater in diameter than the distance between opposing arms in their unflexed position, whereby the resilience of the arms tends to hold all these parts in fixed relation, and a single clamping member for securing the arms upon said hub member.

1,488,309. PRESSER FOOT FOR SEWING MACHINES. MORRIS J. BERG, St. Paul, Minn. Filed Jan. 30, 1922. Serial No. 532,688. 4 Claims. (Cl. 112—257.)



1. In a foot for a sewing machine, a shank adapted to be secured to the machine, a prong mounted on the lower end of said shank, a pin pivotally joining said prong and shank, said prong being formed with an aperture adapted to receive a tongue on an attachment for the foot, a lever tiltably mounted on said pin and an eccentric surface arranged on said lever to partially close said aperture when said lever is tilted.

1,488,310. ELECTRIC APPARATUS. CHARLES A. BIRCHFIELD, Larchmont, N. Y. Filed Sept. 26, 1922. Serial No. 590,561. 8 Claims. (Cl. 171—119.)

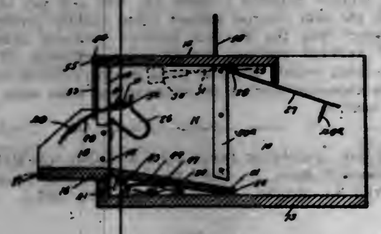


1. In an inductance mounting, the combination with an inductance member, of a second inductance member, and means whereby said second member may be shifted angularly both transversely of, as well as toward and away from the field about said first member.

1,488,311. METHOD OF PURIFYING SILICON-CARBIDE CRYSTALS. CLARENCE J. BROCKBANK, Philadelphia, Pa., assignor to Abrasive Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 21, 1920. Serial No. 418,379. 11 Claims. (Cl. 252—8.)

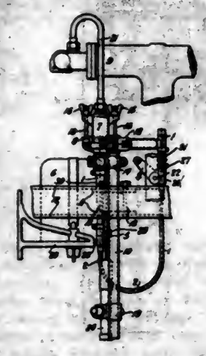
6. The method for purifying silicon carbide crystals or grains that consists in treating the carbide with a solution of a metallic substance capable of replacing the impurities with its contained metal.

1,488,312. TRAP. HARRY E. BRONSON, Mineral, Wash. Filed Nov. 28, 1922. Serial No. 603,799. 1 Claim. (Cl. 43—61.)



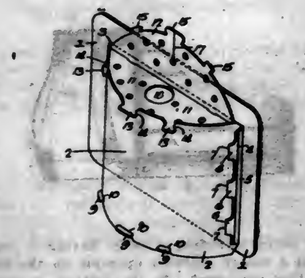
A trap having a normally open closure, a rod adjacent the top of and pivotally mounting said closure, a return weight associated with said rod, a crank associated with said rod, an electro magnet on a side of the trap having a movable core operatively associated with said crank, a base pivoted within the trap and movable under the weight of a captive, cooperating contacts within the trap one carried by said base and normally disengaged from the other, the contacts being in an electric circuit with said magnet and adapted for engagement through the weight of an animal on the base, escape means for the trap for communication with a cage raised above the bottom of the trap, the base normally extending upwardly and rearwardly, toward said escape means, and said closure being movable rearwardly and downwardly toward said base through energization of said magnet.

1,488,313. CONTROL MECHANISM FOR THE IGNITION LEVERS OF INTERNAL-COMBUSTION ENGINES. JOHN LOCKHART BRUNTON and WILLIAM PATON BRUNTON, London, England. Filed Nov. 3, 1923. Serial No. 672,593. 4 Claims. (Cl. 123—117.)



1. In an internal combustion engine having a throttle operating device, a manifold, and an ignition controlling device; a member operated by the suction in the manifold, and means including a wire and a looped flexible casing therefor connecting the member and the throttle operating device to the ignition controlling device so that the latter is controlled by the movements of either said member or the throttle operating device, one of said movements being transmitted by the wire and the other by the casing.

1,488,314. ILLUMINATED SIGN. EUGENE CARBAINE, Philadelphia, Pa. Filed Aug. 31, 1921. Serial No. 497,122. 2 Claims. (Cl. 40—132.)



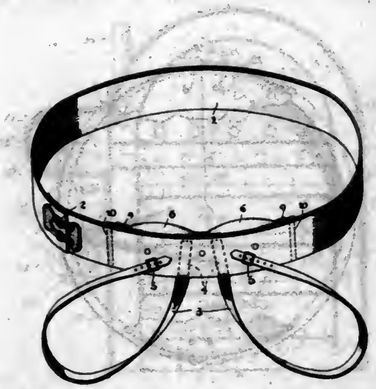
1. The combination in a sign, of a flat body portion; a flexible curved section connected thereto at one side and having slots at the opposite side and a series of notches at the upper and lower edges; and top and bottom sections hinged to the body portion having keys extending into the notches of the curved section and detachably secured to the curved section; and a series of keys on the body portion engaging said slots in the curved section.

1,488,315. CLEANSER FOR ARTIFICIAL TEETH. EVERETT BROWN CASTLEMAN, Spokane, Wash., assignor to Howard S. Clemmer, Spokane, Wash. Filed Oct. 17, 1922. Serial No. 595,169. 2 Claims. (Cl. 167—9.)

1. A cleansing solution for artificial teeth comprising tartaric acid, a saturated solution of bensoate of soda, a vegetable coloring matter, and water in sufficient quantity.

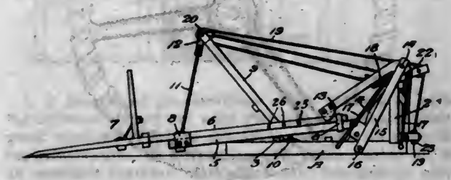
2. A liquid cleansing solution comprising tartaric acid substantially 2 ounces; a saturated solution of bensoate of soda substantially 2 drams; vegetable coloring matter substantially 6 drops, and water sufficient to make 4 ounces of the preparation.

1,488,316. TRUSS. EDMUND N. CHITTENDEN, Johnson City, N. Y. Filed Aug. 16, 1923. Serial No. 657,790. 2 Claims. (Cl. 128—120.)



1. A truss for the purpose set forth comprising, a body strap, a flexible member having its inner portion fixedly secured to the inner face of said strap and its outer portion extended from the straps, said outer portion providing a pair of pockets having the mouths thereof positioned at a point removed from the inner side edge of said inner part, a short strap positioned against said inner part, said inner part constituting a closure flap common to said pockets when said outer part is folded against said short strap, and said outer part being cut away intermediate its ends to provide said pockets with closed ends free and spaced from each other.

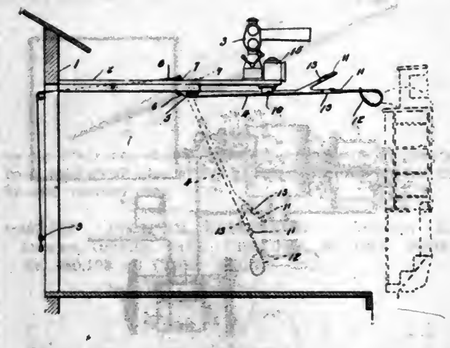
1,488,317. HAYSTACKER. FRANK BLAINE COATES, Johnstown, Colo. Filed Jan. 30, 1922. Serial No. 532,779. 6 Claims. (Cl. 214—141.)



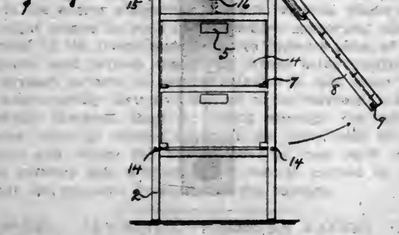
1. In a haystacker, the combination with a frame, extensible arms pivoted thereto and carrying a rack, and swinging arms pivoted to the frame, of bars pivoted to the swinging arms, means mounted on the extensible arms for engagement with the bars whereby the arms may be lengthened, tension-links pivoted to the frame, and springs extending from the bars to the tension-links for creating tension upon the bars when the arms are in an elevated position.

1,488,318. MEANS FOR DELIVERING TRAIN ORDERS. EDWARD L. COTTINGHAM, Winnipeg, Manitoba, Canada. Filed Apr. 5, 1923. Serial No. 630,179. 2 Claims. (Cl. 258—26.)

1. In train order delivering mechanism, a delivery arm having its outer portion pivoted to swing laterally in each direction, and a spring at the joint to normally maintain the outer portion of the arm in a given position and admit of its movement in each direction and operating to return the same to the predetermined position.



1,488,319. SERVING TABLE. VICTOR A. DE CANIO, Union Hill, N. J., and WALTER J. BUZZINI, White Plains, N. Y.; James De Riso, executor of said Victor A. De Canio, deceased, assignor to said Buzzini. Filed Oct. 22, 1920, Serial No. 418,755. Renewed Nov. 10, 1922. Serial No. 600,191. 4 Claims. (Cl. 45—17.)

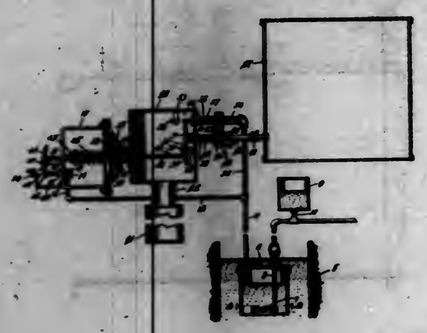


1. In a combination serving table and food carrier, the combination of a body having a stud in one of the upper corners thereof, a locking stud at the top thereof, and at a distance away from the first-mentioned stud, a leaf mounted upon an angle member having a longitudinal slot provided with a lateral branch, and the said first-mentioned stud projecting through the said slot so that the angle member can be slid thereon, the said angle member having a notch at its upper end so that the said leaf can be held in a vertical position or it can be slid to a horizontal position in which the first-mentioned stud engages the said lateral branch and the notch in the angle member engages the said locking stud, whereby the said leaf is firmly locked in position.

1,488,320. PUMP. JAMES EVENS DELK, Marietta, Ga. Filed June 16, 1922. Serial No. 568,818. 8 Claims. (Cl. 103—240.)

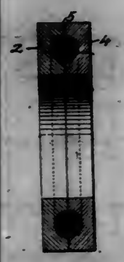
1. A pressure pump system comprising a pump chamber, a pressure source and a working tank interposed between and connected to said pump and pressure source, a valve controlling the inlet from said pressure source

to the working tank, a valve controlling the outlet from the working tank to the pump chamber, a pressure-responsive member associated with the working tank, and



means arranged within the working tank and operated by said pressure-responsive member for controlling said valves.

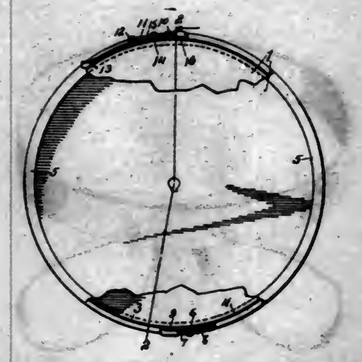
1,488,321. MOLDED FABRIC GASKET AND METHOD OF MAKING SAME. WALTER M. DE WITT, Somerville, N. J., assignor to Johns-Manville, Incorporated, a Corporation of New York. Filed Nov. 16, 1922. Serial No. 601,253. 3 Claims. (Cl. 154—2.)



2. A process for making gaskets of substantially circular cross-section which comprises the following steps: winding a strip of fabric on a mandrel with cementitious material between the adjacent coils and thereby forming a ring of substantially quadrangular cross-section; distorting the ring so formed by a twist of forty-five degrees throughout so that one diagonal of the cross-section will be arranged perpendicular to the plane of the ring, and finally molding such distorted ring to substantially circular cross-section by pressure along the line of said diagonal in a two-part mold, the area of cross-section of which is approximately equal to the area of cross-section of the original ring, said mold being parted along the plane of the other diagonal of the distorted ring.

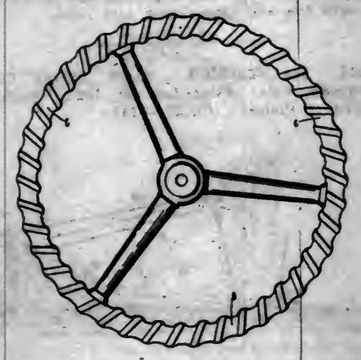
1,488,322. FILM-REEL COVER. LEO J. DOTY, Kansas City, Mo. Filed Nov. 23, 1922. Serial No. 602,766. 2 Claims. (Cl. 206—63.)

1. A reel cover of the kind described comprising two semi-circular members having means for embracing the edges of the heads of a reel and hinged to each other at one set of ends, adjacent ends of said members overlapping each other in the closed position, a link pivoted at one end to one of said members, the other member on its outer side having a projection, and a lever pivoted



to the other end of said link and adapted to engage said projection for drawing together the free ends of said members, substantially as set forth.

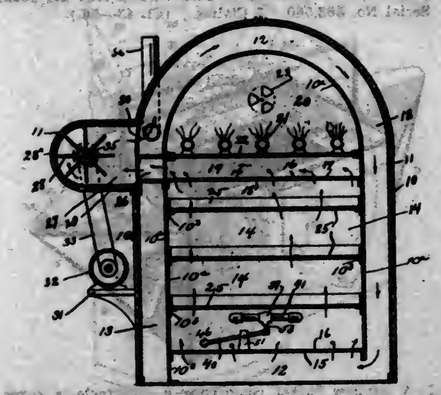
1,488,323. HANDWHEEL. HORACE WALTER DOVER, Northampton, England. Filed Oct. 2, 1922. Serial No. 591,811. 4 Claims. (Cl. 74—33.)



1. A hand wheel provided with a celluloid, exonite or like covering or sheathing formed with pronounced groove running in spiral fashion therearound at a pitch corresponding substantially with the width of a finger, and of such depth as to receive the fingers of the user, a packing strip being wound around the rim of the wheel as an open spiral before the covering or sheathing is applied thereto.

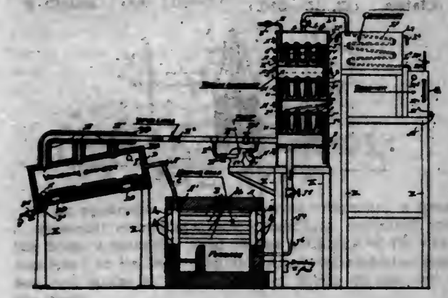
1,488,324. DEHYDRATOR. JOHN H. DRAKE, Oakland, Calif. Filed May 31, 1923. Serial No. 642,632. 6 Claims. (Cl. 34—39.)

2. A dehydrator comprising a drying chamber having perforated upper and lower walls, a plurality of reticulated trays in said drying chamber, a heating chamber above said drying chamber, a suction chamber separating said drying and heating chambers, an air circulating chamber above said heating chamber and extending down



the side of and beneath the lower wall of the said drying chamber, and means for causing a current of heated air to flow through said circulating and drying chambers.

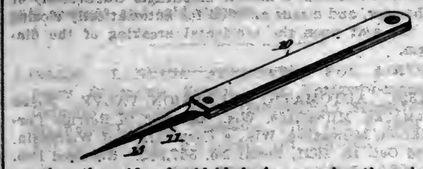
1,488,325. PROCESS FOR TREATING PETROLEUM. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 21, 1919. Serial No. 305,798. 8 Claims. (Cl. 196—25.)



1. A process of oil conversion which consists in passing hydrocarbon oil but once through a continuous elongated passageway where the oil is subjected to a cracking temperature, in introducing the highly heated oil to an enlarged chamber with which said passageway communicates, in discharging the vapors from said chamber to a dephlegmator, in introducing charging stock to the dephlegmator to intimately commingle with said vapors to condense the heavier vapors and heat the stock, in discharging uncondensed vapors, in returning to the inlet side of said elongated passageway intermingled condensate and charging stock for passage therethrough, in withdrawing carbon containing residue from said enlarged chamber without permitting any portion thereof to again enter the elongated cracking passageway, and in maintaining a superatmospheric pressure on said system.

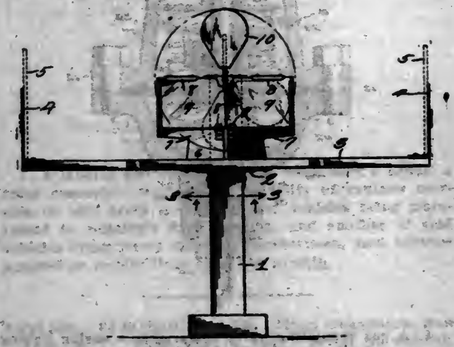
1,488,326. SPARK-PLUG CLEANER. ADELARD JOSEPH DUBBS, Glens Falls, N. Y. Filed Dec. 31, 1921. Serial No. 526,447. 1 Claim. (Cl. 15—104.01.)

A spark plug cleaner comprising a relatively thin elongated blade, a handle formed therewith, the said blade tapering from its point of connection with said handle toward the free end thereof, teeth formed on one side of said blade whereby material accumulating in a spark plug may be broken up, and a knife edge formed



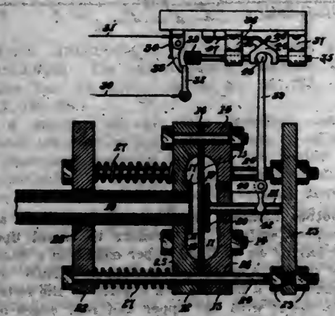
on the other side of said blade for scraping the substance from said spark plug after the same has been broken up by said toothed edge.

1,488,327. PICTURE REFLECTOR. CONSTANT L. DUHEM, Oroville, Calif. Filed June 24, 1921. Serial No. 480,103. 1 Claim. (Cl. 88—29.)



A reflecting device, said reflecting device comprising a main frame, a mirror supporting frame, mirrors supported in the mirror supporting frame in vertical planes and at right angles to each other, picture supporting means carried by the frame and spaced to opposite sides of the mirrors, said picture supporting means being positioned to support pictures in parallel relation to each other and at substantially forty-five degrees to the mirrors, a horizontally disposed shaft extending through the mirror frame centrally thereof adjacent the upper side of the frame and where the mirrors diverge from each other and between said mirrors and a shutter carried by said shaft and disposed forwardly of the mirrors.

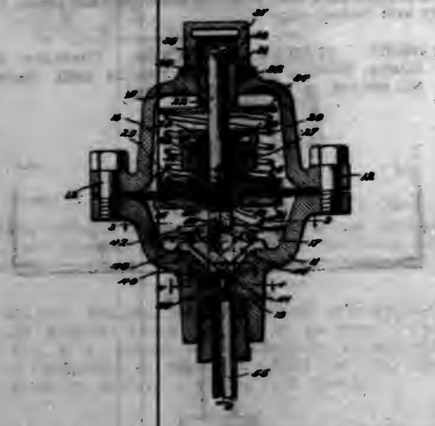
1,488,328. AUTOMATIC PRESSURE SAFETY CONTROL. JOSEF ELLMAUER, Milwaukee, Wis., assignor to Refrigo Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 5, 1921, Serial No. 467,064. Renewed Feb. 11, 1924. 3 Claims. (Cl. 137—139.)



3. An automatic controlling device for fluid pressure piping comprising a casing having a chamber to which the end of the piping communicates, a metallic gasket

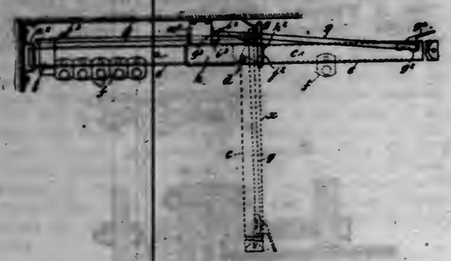
formed within the chamber adjacent the outlet end of said pipe effecting a valve seat for the end of the piping within said chamber, a flexible diaphragm transversely of the chamber, and means adapted for automatically closing upon the seat upon the accidental breaking of the diaphragm.

1,488,329. AUTOMATIC EXPANSION VALVE. JOSEF ELLMAUER, Milwaukee, Wis., assignor to Refrigo Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 15, 1921. Serial No. 507,962. Renewed Feb. 11, 1924. 7 Claims. (Cl. 50—28.)



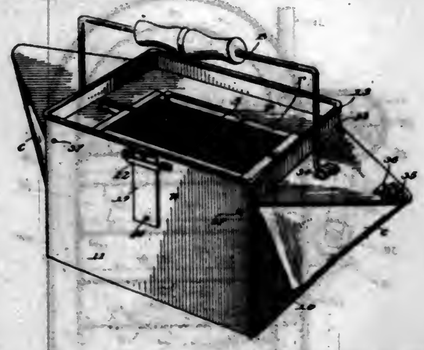
1. A gas regulating valve comprising a casing having a chamber, a flexible diaphragm transversely of the chamber, an inlet port in the bottom of the chamber, a stem adjustably connected centrally to the diaphragm axially of the casing, a needle valve for the inlet port, a U-shaped plunger on the valve, a U-shaped block swiveled in the lower end of the stem above the plunger, and pivotally connected toggle links pivoted within said block and plunger whereby the valve is adapted for closing upon the elevating of the diaphragm during an increase of gas pressure beneath the diaphragm.

1,488,330. CLOTHES-HANGING BAR FORMED OF HINGED-TOGETHER MEMBERS. JAMES EVERITT, London, England. Filed Feb. 1, 1923. Serial No. 616,437. 3 Claims. (Cl. 211—14.)



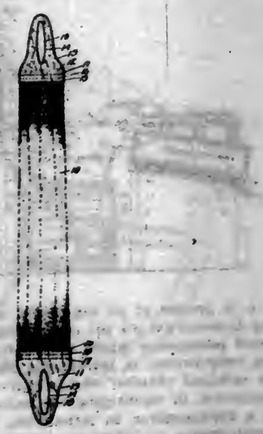
1. A clothes hanging bar, combining a fixed and a hinged member suitable for runners to travel upon, a projection having an inclined upper edge and a declining rear edge rigidly applied to the upper surface of the fixed member, and a pivoted link applied to the swingable member to co-act with the upper and rear edges of the projection for holding the swingable member in end to end alignment with the fixed member and adapted for hand operation, substantially as described.

1,488,331. MINNOW BUCKET. GEORGE LESLIE FERRIS, McArthur, Ohio, assignor to The Wellston Metal Products Co., a Corporation of Ohio. Filed May 25, 1922. Serial No. 563,560. 7 Claims. (Cl. 43—56.)



1. A minnow bucket comprising a receptacle, a cover therefor with a central opening, a closure for said opening consisting of a frame and a reticulated closure for said frame, an extension from said frame, a spring finger secured to the wall of said receptacle associated with said extension and having a projection adapted to engage said extension of the frame for holding the same against upward movement.

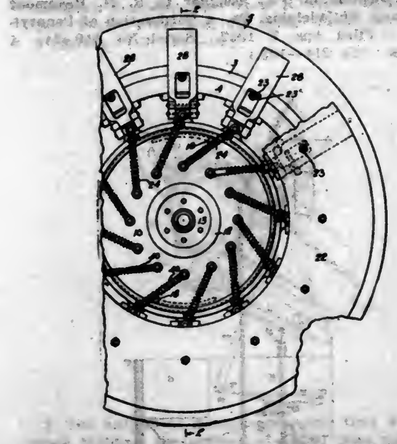
1,488,332. BATH SPONGE. ANNIE FORNO, New York, N. Y. Filed Feb. 5, 1923. Serial No. 617,150. 3 Claims. (Cl. 15—210.)



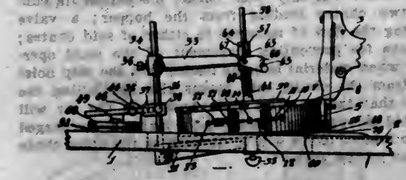
1. A cleaning device comprising open-ended tubular body of the fibrous interior of the luffa gourd, and a closure secured to each end of said body comprising a flexible fabric member having portions overlying opposite sides of said body and closing the ends, substantially as set forth.

1,488,333. EMERGENCY BRAKE. DAVID E. FOGUS, Jersey City, N. J., and MICHAEL F. QUINTE, Burbank, Calif. Filed Dec. 10, 1921. Serial No. 521,442. 4 Claims. (Cl. 188—4.)

1. The combination with a vehicle wheel and a service brake including a drum and operating means within the drum, of an auxiliary brake drum located around the drum of the service brake and having limited rotary movement on the wheel, radially movable road engaging members, means whereby rotation of the auxiliary brake drum moves said members to road engaging position and locks them in said position, means for releasing the locking means and a coiled spring interposed between the two brake drums for restoring the auxiliary brake drum to its normal position.

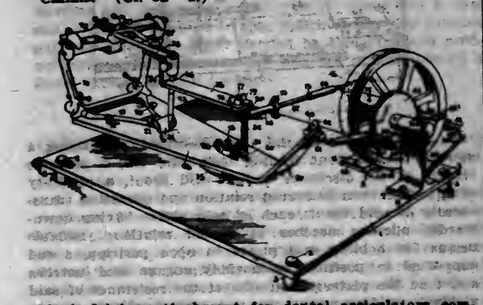


1,488,334. APPARATUS FOR MAKING COVERS FOR CANTEENS AND OTHER ARTICLES. SIGMUND FREY, Los Angeles, Calif., assignor to Woolwine Metal Products Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 28, 1920. Serial No. 432,709. 9 Claims. (Cl. 112—2.)



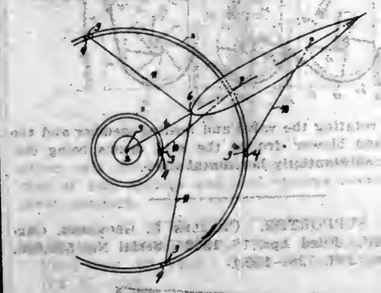
1. An apparatus for making covers comprising a drum, a segmental clamping member yieldingly connected with the drum, a clamping band at the periphery of the drum connected at its ends with the segmental clamping member, and means to hold a piece of fabric on one end of the drum.

1,488,335. DRIVING ATTACHMENT FOR DENTAL ARTICULATORS. WILLIAM MILTON GAMBILL, Merkel, Tex. Filed Jan. 5, 1924. Serial No. 684,595. 16 Claims. (Cl. 32—1.)



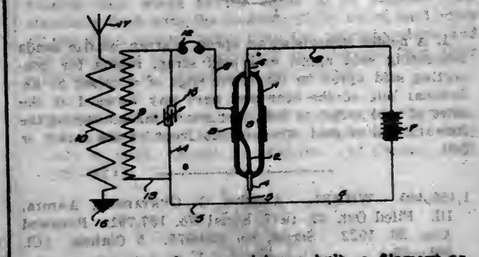
1. A driving attachment for dental articulators comprising an oscillatory support for a lower articulator, an oscillatory combined supporting and coupling member for an upper articulator, a common driving element, an adjustable transmission having a universal joint connection between said element and said member, and an adjustable transmission having a universal joint connection with said element and said support.

1,488,336. LANDING APPARATUS FOR AIRSHIPS. FRITZ GENTZCKE, Zeesen, near Konigswusterhausen, Germany, assignor to Luftfahrzeugbau Schmotte-Lanz, Mannheim-Rheinau, Germany. Filed Oct. 8, 1923. Serial No. 667,323. 3 Claims. (Cl. 244—2.)



1. A landing station for airships comprising a tower, a track concentric therewith, a plurality of vehicles movable on said track, a pair of said vehicles being maintained in relatively fixed relation, and another of said vehicles being freely movable therebetween, said vehicles adapted to receive lines from the airship.

1,488,337. ELECTRIC VALVE. HUGO GERNSBACK, New York, N. Y. Filed May 14, 1921. Serial No. 469,649. 5 Claims. (Cl. 250—27.)

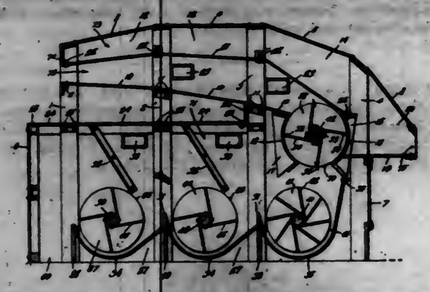


1. An electric valve comprising a bulb, a filament arranged therein and contacting with the wall of the bulb, an electric conductor arranged in contact with the outer wall of the bulb, and means for energizing said filament.

1,488,338. COTTON-CLEANING MACHINE AND BOLL BREAKER. IRA LEE GILMORE, Oklahoma City, Okla. Filed Dec. 18, 1922. Serial No. 607,753. 2 Claims. (Cl. 19—38.)

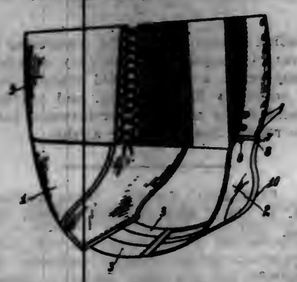
1. A machine of the class described, comprising a chamber provided with a bottom made up of a plurality of foraminous concaves disposed one behind the other longitudinally of the machine, a feed conduit located above the chamber, and a suction conduit disposed above the feed conduit, the conduits having a common foraminous wall, the feed conduit having a neck communicating with the chamber, a rotary valve and feeding member journaled in the neck, the feed conduit being open and continuous from its intake end to the rotary member, combined conveyor and blower drums journaled above and cooperating with the concaves, the valve and feeding member being located above the first of the conveyor and

blower drums, and discharging directly thereinto, the space between the valve and feeding member and the first of the conveyor and blower drums being open, and



means for rotating the valve and feeding member and the conveyor and blower drums, the said drums being disposed in a substantially horizontal line.

1,488,339. SUPPORTER. CHARLES E. GROESBECK, Oakland, Calif. Filed Apr. 18, 1922. Serial No. 555,093. 7 Claims. (Cl. 128—159.)



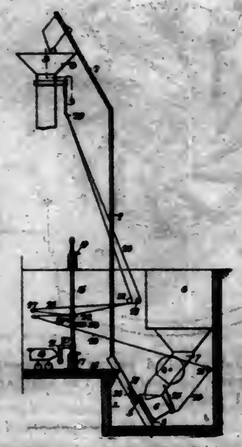
1. A holder comprising an apron, a strap, elastic bands connecting said apron and said strap, means for connecting said apron to the lower edge of a corset or abdominal belt at the rear and part way forward at the sides of said corset or belt, and means for connecting the forward end of said strap to the front of the corset or belt.

1,488,340. WHEEL. ANDREW G. GUSTAFSON, Aurora, Ill. Filed Oct. 22, 1917, Serial No. 197,791. Renewed Aug. 26, 1922. Serial No. 584,575. 5 Claims. (Cl. 301—55.)



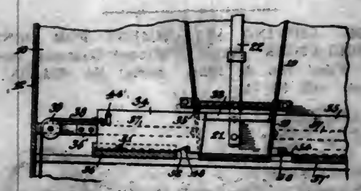
1. A wheel having, in combination, a hub, a rim, central radial and lateral cross spokes connecting the rim and hub together, all of said spokes being spaced from each other, and means clamped upon all of the spokes in the transverse plane passing through the points of crossing of the cross spokes to hold them against vibration.

1,488,341. INTERLOCKING MEANS FOR CONTROLLING ELEVATOR MECHANISMS. WILLIAM B. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,424. 4 Claims. (Cl. 214—125.)



1. The combination in a skip hoist, of a bucket; rails on which the bucket travels; a chute for loading material into the bucket; a platform on which a car can be run and its contents discharged into the bucket; a hopper into which the skip hoist bucket discharges its contents; two chutes leading from the hopper; a valve controlling the flow of material to either of said chutes; and means for preventing movement of the hand operated car when material is being loaded into the skip hoist bucket from the chute, said means also controlling the valve so that the material discharged from the car will be directed through one chute and the material discharged from the loading chute will be directed to the other chute controlled by the valve.

1,488,342. DISPENSING AND MEASURING CABINET. FRANK R. HENDRICKSON, Kinta, Okla. Filed Sept. 9, 1922. Serial No. 587,134. 2 Claims. (Cl. 221—108.)



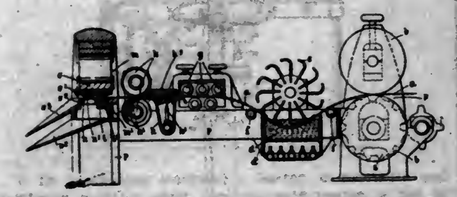
1. An apparatus of the class described, comprising a storage bin, a spout leading from said bin, a movable closure at the discharge end of said spout, a plurality of cut off devices in spaced relation and operating transversely of said spout, each of said plates having downwardly opening notches in spaced relation, yieldable means for holding said plates in open position, a rod supported in position to movably engage said notches and hold the plates closed against the resistance of said yieldable holding means, means for independently closing said plates to engage them with the holding rod, and means for releasing said holding rod.

1,488,343. METHOD OF MAKING TIRE CASINGS. HARRY A. HOFFMAN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1921. Serial No. 491,925. 3 Claims. (Cl. 154—14.)



1. The method of making pneumatic tires which comprises building the carcass of fabric plies coated with substantially unvulcanized rubber, applying a vulcanized rubber surfaced, fabric breaker-strip and a substantially unvulcanized rubber tread to said carcass, and vulcanizing the tire under compacting pressure.

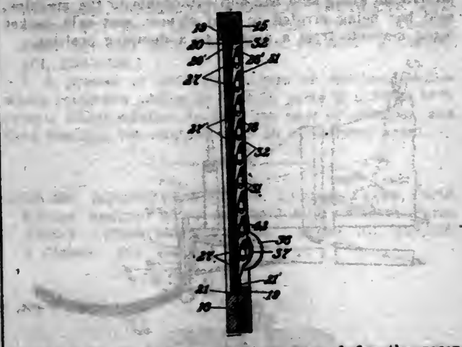
1,488,344. MACHINE FOR FORGING NAILS OR OTHER ARTICLES. FRANK HUMPHRIS, Parkstone, England, assignor of one-half to Kenneth Alexander Roberts, London, England. Filed Dec. 12, 1922. Serial No. 606,495. 1 Claim. (Cl. 10—36.)



A follow-on-process machine embodying intermittently-rotated feed die-rolls, a heat-bath of molten metal, a depressor associated with said heat bath, a set of stock-straightening-rolls, a stock re-heating muffle and baffle, a set of intermittently-rotated combined product-rough-forming and feed-rolls, a power-press comprising a ram and a bolster, product-forming-punches, blanking-punches and one blade of a shear carried by said ram, and product-forming-dies, blanking-dies and the other blade of a shear carried by said bolster.

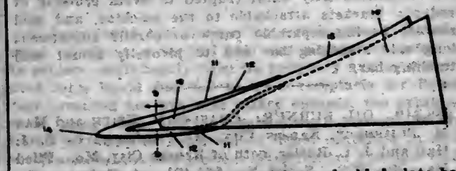
1,488,345. VENTILATOR. THOMAS A. JENKINS, Jersey City, N. J. Filed Mar. 17, 1922. Serial No. 544,540. 2 Claims. (Cl. 98—31.)

1. A ventilator comprising a frame, a set of panel supports pivotally connected to each side of and arranged within the frame, the supports of one set aligning with the supports of the other set, each of said supports formed with an angularly disposed slotted arm, a panel mounted in each pair of aligning supports, a set of levers associated with each set of supports, pivot members connecting the ends of said levers together and to said arms, springs carried by the arms and bearing against said pivot members, and actuating means for said levers for opening and closing said panels with respect to each



other, said pivot members being grooved for the reception of said springs and said springs overlapping said pivot members.

1,488,346. PLOWPOINT. NELS JENSEN, Berlin, Wis. Filed Sept. 29, 1922. Serial No. 591,278. 3 Claims. (Cl. 97—125.)



1. A repair plow point comprising a doubled plate having wings to overlap and be secured to the upper and lower surfaces of a plow share over the worn-down point thereof, said wings having edges to be disposed substantially flush with the landside of the share, said edges of the wings being thicker than the opposite edges, and the firstnamed edges decreasing in thickness from their adjacent ends to the opposite ends thereof.

1,488,347. CLAMP FOR ELECTRICAL CONDUCTORS. TOMLINSON FORT JOHNSON, Jr., Atlanta, Ga. Filed July 6, 1921. Serial No. 482,750. 12 Claims. (Cl. 173—273.)

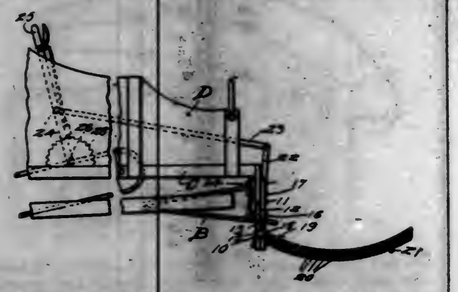


1. A springless clamp for electrical conductors, comprising two associated jaw members with an interfitting loose engagement at one end, and at the other end of the clamp provided with a mouth for receiving an electric line conductor, and a bolt screw-threaded through one jaw member and terminating beyond the other jaw member in a manipulating eye, whereby it may be turned from a distance.

1,488,348. ATTACHMENT FOR POTATO-DIGGING MACHINES. WYLIE KEIFFER, Perham, Minn. Filed May 25, 1922. Serial No. 563,609. 3 Claims. (Cl. 55—9.)

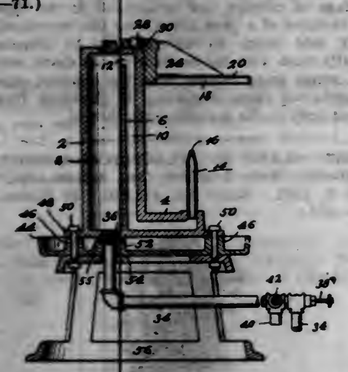
1. A machine of the class described having a basket to receive products, said basket having an attaching bar, and attaching means adjustable along said bar and for engagement with the machine.

2. A machine of the class described having a reticulate basket to receive products, an attaching bar, clamps adjustable along said bar and attachable to the machine, said bar being pivoted to said clamps, and said basket being movable from a normal to a dumping position.



3. A machine of the class described having a discharge table, a reticulate basket under and relatively close to said table substantially avoiding falling of the products into the basket, said basket having an attaching bar, longitudinal bars on said attaching bar, a brace bar for said longitudinal bars, said attaching bar and brace bar being lowermost whereby the upper surface of the bars will be substantially uninterrupted to avoid bruising of products, brackets attachable to the machine, and said brackets having separable parts to permit adjustment along said attaching bar and to pivotally mount said attaching bar.

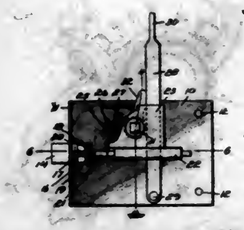
1,488,349. OIL BURNER. CHARLES M. KEITH and MAX M. PUMPHREY, Kansas City, Mo., assignors to B. J. Hall and J. L. Butler, both of Kansas City, Mo. Filed May 29, 1922. Serial No. 564,491. 4 Claims. (Cl. 158—71.)



4. An oil burner consisting of a generator having a vertical partition dividing said generator into a chamber and a duct which latter communicates with the upper portion of said chamber, a discharge nozzle communicating with the lower portion of the duct, and a flame spreader having a V-shaped compartment to fit over the complemental portion of the generator and a horisontally-disposed plate to project over said discharge nozzle.

1,488,350. AUTOMOBILE DOOR LOCK. ALEX KIKTA, Flint, Mich. Filed Sept. 20, 1921. Serial No. 501,870. 1 Claim. (Cl. 292—223.)

In an automobile door lock, a lock plate, a latch pivotally connected to one end thereof, a slidable flat locking bolt positioned against said plate and having one end pivotally connected to said latch whereby the latter is shifted when the bolt is operated, said bolt formed with a lengthwise slot having a reduced end, a spring carried by said plate above said bolt and having one end thereof extended into the reduced end of said slot, a casing secured to said plate and having its lower portion providing a guide for said bolt, a vertically disposed actuating member having its lower end pivoted to said plate below said bolt and extending up through said slot and above said plate and operable from the interior



of an automobile for shifting the bolt to move the latch to released position, a spindle disposed at right angles to said member and mounted in said casing and plate above said bolt and operable from the exterior of the automobile, and an upwardly extending finger fixed to the spindle and bearing against said member whereby the latter is shifted to move the bolt to release the latch when the spindle is actuated to move the finger rearwardly.

1,488,351. SHOEMAKER'S TOOL. FRANK KILIAN, Hamtramck, Mich. Filed Aug. 12, 1921. Serial No. 491,777. 1 Claim. (Cl. 294—43.)

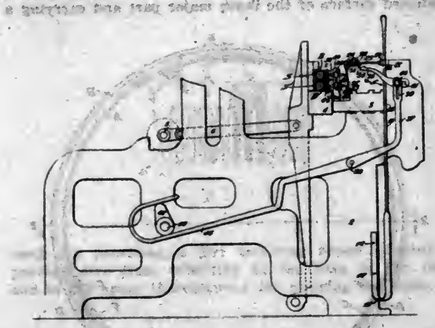


In a tool of the class described, a pair of crossed handles, a longitudinally extending jaw formed integrally with each handle, and a pair of opposed laterally extending jaws formed integrally with each of the longitudinally extending jaws, each longitudinally extending jaw with its pair of laterally extending jaws forming a flat, single plane gripping surface equal to their entire widths, said single plane gripping surfaces being roughened throughout their entire area.

1,488,352. WEFT-CONTROLLING MECHANISM FOR LOOMS. FREDERIC E. KIP, Montclair, N. J., assignor to The Salt's Textile Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 28, 1921. Serial No. 473,336. 15 Claims. (Cl. 139—276.)

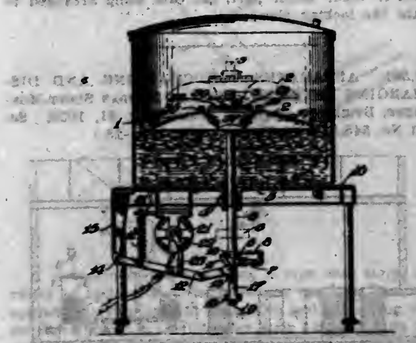
1. A feeler-motion for looms comprising a freely-floating feeler adapted to feel the weft or filling on the bobbin in the running shuttle, and a gravity-controlled lever

pendently mounted to adapt it to bear directly against the feeler without being connected thereto to urge the feeler toward the bobbin whereby when the filling is



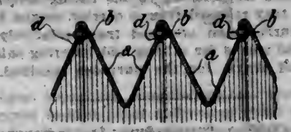
substantially exhausted the feeler will allow displacement of the lever to actuate the controlling-mechanism of the loom.

1,488,353. WASHING MACHINE. MAUDE B. LATSHAW, Philadelphia, Pa. Filed July 2, 1923. Serial No. 648,862. 5 Claims. (Cl. 259—144.)



1. In a washing machine, a beater, a rotatable and vertically movable shaft carrying said beater, a tub in which said beater is operative, said beater being formed of a body provided with a central chamber, a second chamber surrounding the central chamber, an auxiliary chamber surrounding said second mentioned chamber, and wings extending from said auxiliary chamber, said wings having chambers therein, the several chambers being open below in communication with the interior of the tub, and means for relieving said chambers of vacuum.

1,488,354. BELLOWS. JACQUES LOUIS LAMBELS, Vincennes, France. Filed May 15, 1922. Serial No. 561,006. 3 Claims. (Cl. 105—18.)



1. An accordion-shaped bellows provided between its folds with flat strengthening bands lying in the planes of the outer folding lines of the bellows and rivets distributed along said outer folding lines for securing said bands to said bellows.

1,488,355. PRODUCTION OF ETHERS OF CARBOHYDRATES HAVING THE EMPIRICAL FORMULA $n(C_6H_{10}O_5)$, THEIR CONVERSION PRODUCTS AND DERIVATIVES. LEON LILIENFELD, Vienna, Austria. Filed Apr. 25, 1921. Serial No. 464,356. 3 Claims. (Cl. 260—152.)

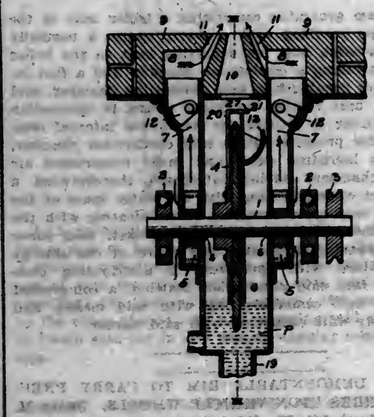
3. A process of producing ethers of cellulosic bodies which comprises adding at least 15 parts of a 30 to 50% caustic alkali solution to each one part of cellulose, and then treating the mixture with an etherifying agent.

1,488,356. ATOMIZER BURNER. CHARLES LINKÉ, Paris, France, assignor of one-half to Joseph Gemayel, Paris, France. Filed May 10, 1921. Serial No. 468,318. 2 Claims. (Cl. 158—77.)



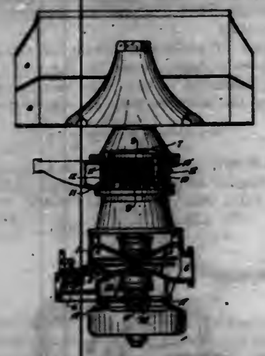
1. In a liquid fuel burner the combination of an element rotary on a vertical axis and adapted on rotation to project centrifugally from its periphery and in attenuated form liquid fuel fed to it, a receptacle for liquid fuel arranged beneath said rotary element, the arrangement being such that the said rotary element in its lower part may be immersed in liquid contained in said receptacle, said rotary element being further provided with a passage extending upward within said rotary element and opening below within said receptacle and opening above to a surface over which on rotation liquid will flow centrifugally.

1,488,357. METHOD OF AND APPARATUS FOR BURNING LIQUID FUEL. CHARLES LINKÉ, Paris, France. Filed Mar. 23, 1922. Serial No. 547,424. 18 Claims. (Cl. 158—77.)



2. The method herein described of burning liquid fuel which consists in projecting against gravity and into the line of meeting of convergent streams of combustion-sustaining air an attenuated curtain of fuel, and heating the fuel as it is projected.

1,488,358. POWER-TRANSMITTING MECHANISM. WILLIAM J. A. LOWSON, Springfield, Mass. Filed Mar. 13, 1922. Serial No. 543,179. 6 Claims. (Cl. 74—7.)



1. In a power transmission device, the combination, of a driving shaft, a driven shaft, planetary gearing mechanisms connecting the shafts the gear teeth of which are of the herring-bone type; flexible means connected to the driving shaft whereby that shaft may yield and move axially thereof, and the contact surfaces of the teeth of the gearing mechanism will automatically adjust themselves to produce the correct or uniform tooth pressure between the teeth of the driving and driven shafts for efficient operation.

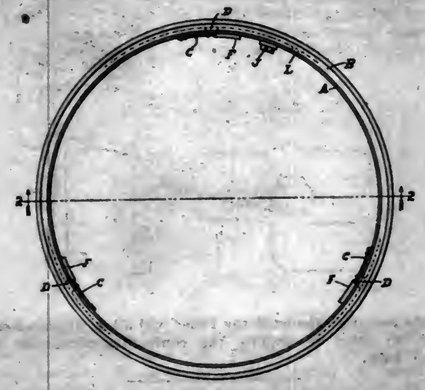
1,488,359. STEAM GENERATOR. SALVADOR HERREJÓN LÓPEZ, Mexico, Mexico. Filed June 7, 1923. Serial No. 643,972. 19 Claims. (Cl. 158—3.)



1. A steam generator comprising a boiler unit of the tubular type provided with a water space, a normally closed combustion unit for supplying heat to the boiler unit and including a combustion chamber and a fuel injector burner opening into said combustion chamber, said combustion unit further including means in connection with the burner to provide for continuous internal combustion under pressure within said combustion chamber, said means including outer and inner compressed air receiving chambers having interposed therebetween a water jacket communicating with the water space of the boiler unit, said outer chambers communicating with the inner chambers through said water jacket, said inner chambers opposing each other and closed at one side by plates provided with apertures for distributing compressed air into said combustion chamber, a compressed air supply unit communicating with said means, and a fuel supply unit connected with said burner.

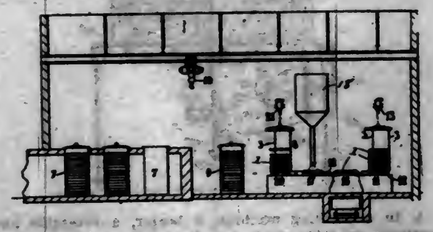
1,488,360. DEMOUNTABLE RIM TO CARRY PNEUMATIC TIRES UPON VEHICLE WHEELS. JESSE M. LOZIER, Humboldt, Ill. Filed Apr. 6, 1921. Serial No. 459,025. 3 Claims. (Cl. 301—35.)

1. The combination, in a sectional telescoping demountable rim, of inner and outer major parts having registering openings, each major part extending entirely across the base of the supported tire, said parts being fitted together flangingly, and being so constructed as to be united and separated by straight telescoping motion to and from each other, means for securing said parts, comprising a flat spring attached longitudinally to the protected surface of the inner major part and carrying a



locking element which is practically a movable section of the major parts, and is adapted to fill a pair of the registering openings, and a circular wedge-faced cam centerpivoted to inner major part, the cam being arranged to operate the locking element.

1,488,361. APPARATUS FOR CHARGING AND DISCHARGING RETORTS. WILLIAM DUNDAS SCOTT-MONCRIEFF, Brighton, England. Filed Mar. 31, 1922. Serial No. 548,386. 6 Claims. (Cl. 214—18.)



1. An apparatus for charging and discharging retorts, said apparatus comprising trays, a carrier for supporting the trays in a superposed condition, horizontally extending surfaces of limited width on the carrier and the trays respectively, said surfaces being adapted to be brought into and out of engagement with each other by turning the carrier and trays relatively to each other.

5. An apparatus for charging and discharging retorts, said apparatus comprising trays, a transportable carrier adapted at its lower end to receive said trays in superposed condition and to deliver them, means for holding and releasing a tray at the lower end of the carrier, a platform for receiving a series of superposed trays connected to a carrier, a tilting section in said platform, releasable means for securing to the tilting section of the platform, a tray released from a carrier, means for transporting a carrier and attached trays relatively to said platform, and means for raising and lowering said carrier and attached trays, for the purposes specified.

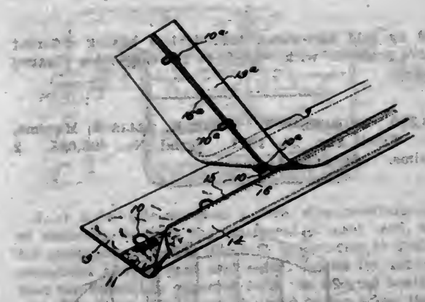
1,488,362. COMB. JULIUS SIDA, Jr., Indianapolis, Ind. Filed Aug. 15, 1923. Serial No. 657,516. 1 Claim. (Cl. 132—18.)

A comb including a solid body portion having a plurality of teeth projecting therefrom in spaced relation, said teeth being of uniform dimension throughout their length, the opposing faces of the teeth being formed with relatively large recesses having a flat bottom merging into shoulder portions adjacent the edges and ends of the



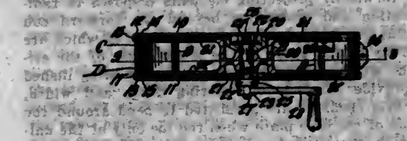
teeth for providing a dirt receiving recess adapted to prevent dirt from collecting at the base of the teeth and in the space therebetween for clogging the comb.

1,488,363. FASTENER STRIP. DAVID SILBERMAN, Brooklyn, N. Y. Filed Sept. 20, 1921. Serial No. 501,948. 2 Claims. (Cl. 2—265.)



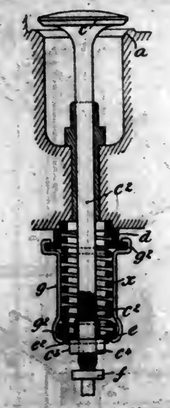
1. A fastener strip including a tape base strip, a plurality of fasteners of the hook and eye type mounted at spaced intervals on said base strip and projecting beyond an edge thereof, a textile cover strip longitudinally folded and enveloping said base strip, the cover strip extending over the side of the base strip to which the fasteners are attached substantially to the above mentioned edge thereof, and means extending through superposed portions of the cover strip and base strip for retaining the latter in place.

1,488,364. HOSE APPARATUS. CARL SNYDER, Cleveland, Ohio. Filed Apr. 16, 1923. Serial No. 632,512. 6 Claims. (Cl. 242—86.)



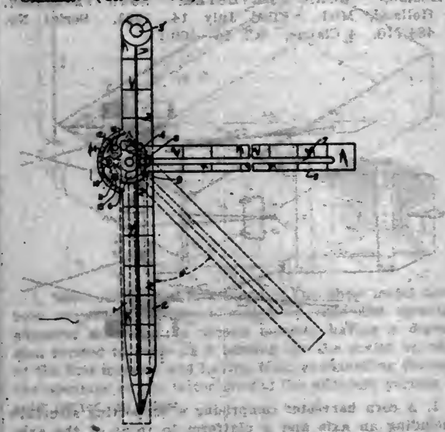
1. A hose apparatus comprising, two stationary end walls secured to each other and one of these walls adapted to be secured to a support, a hose reel journaled on said end walls, and door means between said end walls and adapted to either form a complete closure for said apparatus or to selectively provide an opening at any place along the outer surface between said end walls of said apparatus.

1,488,365. VALVE-SPRING RETAINER. ERNEST STOAKES, Birmingham, England. Filed Dec. 22, 1921. Serial No. 524,246. 4 Claims. (Cl. 29—86.3.)



1. A device for mounting and dismounting on a valve stem a spring having washers at its ends, comprising a tubular cage having hooked members projecting beyond the ends of the tubular portion and adapted to fit over said washers, said tubular member being cut away longitudinally to form an opening throughout its length.

1,488,366. DIVIDERS. JOHN M. STUCHLIK, Roundup, Mont. Filed Oct. 4, 1920. Serial No. 414,630. 4 Claims. (Cl. 33—75.)



1. A geometrical instrument comprising a divider having a pair of legs adapted to constitute the head of a T-square; a bar provided with a slot pivotally secured to one of said legs intermediate its ends, and adapted to constitute the blade of the T-square; and means carried by the other of said legs, and engaging said slot, adapted to clamp said bar in any desired angular relation to said legs.

1,488,367. CURTAIN HOLDING AND RELEASING DEVICE. WILLIAM B. TIPPETT, Washington, D. C., and JERRY T. SMITH, Bethesda, Md. Filed Dec. 22, 1922. Serial No. 682,226. 8 Claims. (Cl. 105—28.)

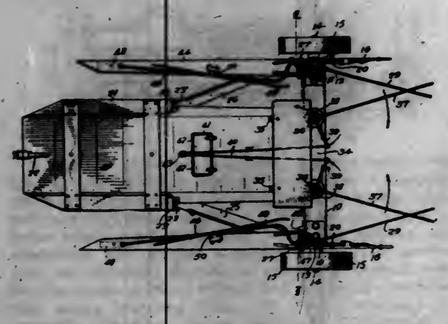
3. A curtain holding and releasing device comprising a coupling element adapted to connect a curtain attaching member with the vestibule of a car, said element including a shiftable coupling head, a crank arm for shift-

ing said head to open and closed position, spring controlled means connected with said arm for normally maintaining it in retracted position, thereby retaining said



coupling head in closed position, means for adjusting the tension of said spring controlled means, and means for maintaining said spring controlled means in adjusted position.

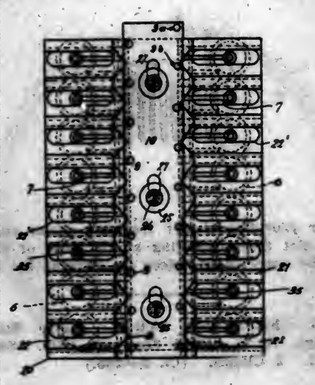
1,488,368. CORN HARVESTER. JOHN VENHUIZEN, Holland, Mich. Filed July 14, 1921. Serial No. 484,710. 4 Claims. (Cl. 56—100.)



1. A corn harvester comprising a supporting structure including an axle and a platform in front of the axle, corn-severing means carried by the platform, separable fingers at the rear of said severing means and extending rearwardly beyond the supporting structure, means to hold said fingers normally yieldingly closed, and a foot lever fulcrumed upon the platform appropriately connected to move the fingers to open position against the stress of the yielding means.

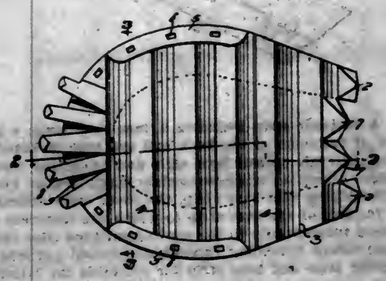
1,488,369. PRINTING MECHANISM FOR MOTION-PICTURE FILMS. OTTO VOGEMAN, Brooklyn, N. Y., assignor, by mesne assignments, to Duplex Motion Picture Industries Inc., a Corporation of Delaware. Filed Feb. 10, 1921. Serial No. 443,788. 7 Claims. (Cl. 95—75.)

6. In a film printing machine, light varying means, an index slide operatively connected thereto, a series of cam-slides movable transversely to said index slide, and devices on said index slide adapted to be individually en-



gaged by said cam-slides, said devices having different relative positions with respect to the cam-slides engaged thereby.

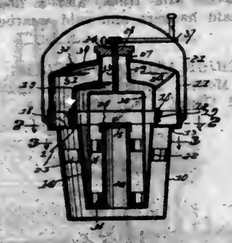
1,488,370. HORSESHOE. SARAH K. ALLISON, Macomb, Ill. Filed Aug. 26, 1921. Serial No. 495,688. 2 Claims. (Cl. 168—11.)



1. A horseshoe comprising a base plate, and a supplemental member disposed on the bottom of the base plate and composed of flexible material, said supplemental member at the forward end being provided with a plurality of forwardly projecting elements disposed in radiating relation and protruding beyond the forward end and terminating in hook members the points of which are substantially in the plane of the lower edges of the elements, the stock between adjacent elements being dished out to provide channels of tapering depth and width, whereby said elements are permitted to bend around the toe portion of the base plate when the toe only of the animal bears on the ground.

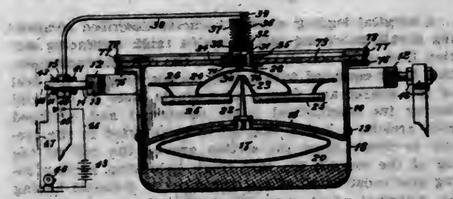
1,488,371. FREEZER. SARAH K. ALLISON, Macomb, Ill. Filed Jan. 18, 1922. Serial No. 530,093. 4 Claims. (Cl. 259—71.)

1. In a freezer, a receptacle provided with a removable cover having a flanged opening, a plug closing the flanged opening, a cylindrical drum rising axially from the bottom of the receptacle and open at its lower end and provided at its upper end with a cover closed screen, and a dasher telescoping the drum and operable in the recepta-



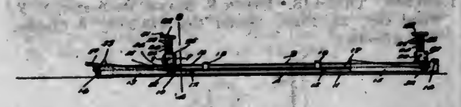
cle and having a stem threaded for engagement in said plug to provide for combined rotary and reciprocating movements in the receptacle.

1,488,372. TELLTALE COMPASS. RAFAEL ANDRADE LALAMA, Quito, Ecuador. Filed Sept. 18, 1920. Serial No. 411,299. 10 Claims. (Cl. 33—222.)



1. In a tell-tale compass, a card, stop members adapted normally to limit the movement of said card, means for rendering said stop members inoperative to limit the movement of said card and signal means for indicating that the vessel has departed from the selected bearing to such an extent as to cause the card to reach one limit of its allotted movement.

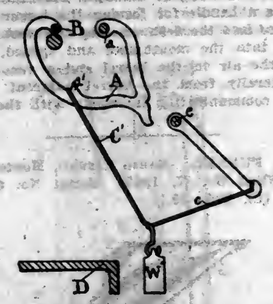
1,488,373. AUTOMOBILE JACK. CHARLES BARRELL, St. Petersburg, Fla. Filed Sept. 18, 1922. Serial No. 588,019. 2 Claims. (Cl. 254—88.)



1. An automobile jack comprising a horizontally arranged frame, a movable frame, arranged on the horizontal frame and capable of longitudinal movement thereon, inclined trackways at the end of the horizontal frame, stops carried by the latter, latch elements pivoted intermediate their ends to the frame, a U-shaped yoke pivoted to one end of the frame having its ends disposed over one end of each of the latch elements, to normally retain the same in horizontal position, the latch elements being locked for engagement with the stops and held behind the same by the yoke, the yoke being adapted to be swung away from the latch elements to permit the latter to disengage from the stops to allow the frame to gravitate.

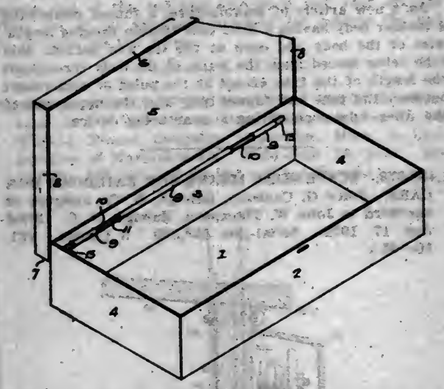
1,488,374. COMBING MACHINE. ROBERT LESLIE BELLHOUSE, Manchester, England, assignor to The Fine Cotton Spinners and Doublers Association Limited, Manchester, England. Filed Feb. 6, 1922. Serial No. 534,535. 1 Claim. (Cl. 19—121.)

In a Nasmith comber the combination with the top detaching roller of a lever which carries the detaching roller, a notched lug on said lever below the detaching roller, a weight suspender engaging with and suspended



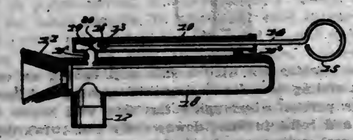
from said lug, a guide wire engaging the suspender, a fixed arm to which the guide wire is affixed and a weight attached to the lower end of the suspender.

1,488,375. HINGE CONSTRUCTION. DAVID BOWERS, Laurel Springs, N. J. Filed July 30, 1921. Serial No. 488,618. 4 Claims. (Cl. 220—31.)



1. The combination in a hinge of two sheet metal members of which one has a curled up edge and openings adjacent said edge; a second member having a depression formed to serve as a bearing for the curled up edge of the first member and having tongues extending through the openings of the latter around the adjacent portion of said curled up edge.

1,488,376. SNAKE-POISON EXTRACTOR. STEPHEN O. BRYANT, Bethany, Mo. Filed Aug. 26, 1921. Serial No. 495,686. 1 Claim. (Cl. 128—300.)



A poison extractor comprising a cylindrical barrel closed at one end and open at its opposite end, a cone shaped mouth piece inserted in the open end of the barrel and having its axis in longitudinal alinement with the axis of the barrel, said mouth piece being composed of

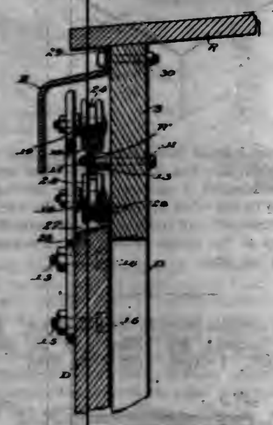
relatively rigid material and having tapered walls which are thickest at the lower smaller end of the mouth piece, the parts being so arranged that the barrel may be used as a handle for forcing the larger end of the mouth piece into the flesh whereby the wound therein is forced up into the mouthpiece and opened, means for rarifying the air in the barrel and a venom cup projecting laterally from the barrel adjacent the mouthpiece and communicating interiorly with the barrel.

1,488,377. FUNNEL. MARIO CARRAU, Montevideo, Uruguay. Filed Oct. 7, 1922. Serial No. 593,105. 1 Claim. (Cl. 226—29.)



As a new article of manufacture, a funnel comprising a tubular body having a filler tube therein ranging lengthwise of the body and open at the top and bottom, said tube being spaced from the walls of the body throughout the length of the tube except at the point of attachment between the tube and funnel body and the upper end of the filler tube constituting a puncturing device.

1,488,378. SUSPENSION MEANS FOR RAILROAD BOX CARS. JOHN G. CARROLL, Raleigh, N. C., assignor of one-third to John W. Thompson, Raleigh, N. C. Filed Apr. 17, 1922. Serial No. 553,329. 3 Claims. (Cl. 16—95.)



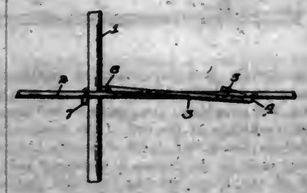
1. The combination with a side wall having an opening, of a sliding door for closing said opening and having its upper portion overlapping the side wall above said opening and being inclined downwardly and outwardly, a metal cover strip secured to the downwardly and outwardly inclined upper end of said door, a weather strip applied to said wall slightly above said door and overlapping the door, the outer surface of said weather strip being inclined outwardly and downwardly for directing any water striking the same onto said metal cover strip at a point spaced from the inner edge of the same, a track applied to said wall, hangers carried by said door and mounted on said track, and a hood overhanging said track, said hangers and said weather strip.

1,488,379. THIGH AND CALF LEGGING. IDA CHAFFEE, Missoula, Mont. Filed Aug. 4, 1923. Serial No. 655,609. 1 Claim. (Cl. 128—165.)



A surgical legging of the character described comprising a calf embracing section and a thigh embracing section formed of non-elastic fabric, the calf embracing section being equipped with a heel portion fitted to the heel of the wearer and formed of a single piece of material having its longitudinal edges reenforced and equipped with eyelets, a lacing adapted to be inserted in the eyelets to firmly draw the section around the calf of the leg of the wearer, the said thigh embracing portion being also constructed of a single piece of material having its marginal edges equipped with eyelets, a lacing for the thigh embracing section to firmly draw this section around the thigh, means attached to the upper end of the thigh embracing section to be secured around the upper end of the thigh whereby the thigh embracing section may be held in its uppermost position, the said heel embracing portion on the calf section preventing said calf embracing section from being drawn up, and connecting straps joining the top of one section to the lower portion of the other section whereby they will be held in proper relation when both of the sections are laced and applied.

1,488,380. TRELLIS. BYRON S. BLAKE, Rochester, N. Y. Filed Oct. 23, 1920. Serial No. 419,006. 5 Claims. (Cl. 47—46.)

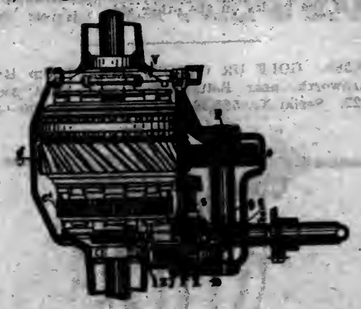


1. A trellis comprising guy wires, vertical stakes, and stake securing means entirely supported by the guy wires and loosely surrounding the stakes to hold them in vertical position while permitting the wires to move longitudinally of the stakes to free the latter.

1,488,381. CHANGE-SPEED GEAR FOR SELF-PROPELLED VEHICLES. JOHN HENRY CHAMBERS, Belfast, Ireland. Filed Jan. 27, 1921. Serial No. 440,460. 13 Claims. (Cl. 74—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. Change speed gear of the character described comprising in combination an encircling driving member, an

epicyclic gear arranged internally thereof, and a secondary driving gear external to and independent of the epicyclic gear, said gear being adapted to be engaged with and



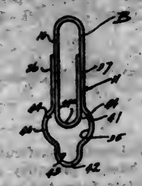
disengaged from one of the members of the epicyclic train so as to give changes of speed additional to those given by the epicyclic train itself and a reverse, substantially as described.

1,488,382. CLOTHESPIN. ROBERT O. CROW, Goldsboro, N. C. Filed Mar. 16, 1922. Serial No. 544,197. 7 Claims. (Cl. 24—139.)



1. As an article of manufacture, a clothespin having spring arms extending to provide end arms and an intermediate arm, said intermediate arm being disposed nearer to one of said end arms than the other end arm.

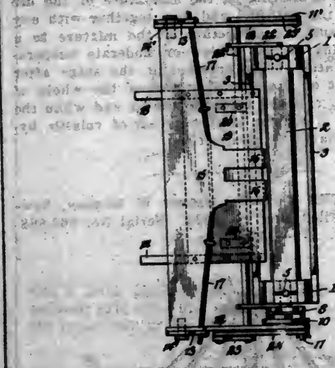
1,488,383. PAPER CLIP. ROBERT O. CROW, Goldsboro, N. C., assignor of three-tenths to Hugh Gordon Maxwell, jr., Goldsboro, N. C. Filed Dec. 8, 1922. Serial No. 605,669. 8 Claims. (Cl. 24—261.)



1. A fastening clip comprising outer and inner frame portions each including spaced sides lying in the same plane and being connected at an end of said clip, said outer portion having an end thereof bulged laterally to provide an enlarged eye opening, the free end of said inner frame portion extending partly into said enlarged eye opening.

1,488,384. WRINGING MACHINE. JOSEPH DECELLES, Woonsocket, R. I. Filed Nov. 17, 1922. Serial No. 601,554. 3 Claims. (Cl. 68—32.)

3. In an automatic feeding mechanism, the combination of wringer rolls, pressure regulating means above the rolls, gears formed on one end of each roll, a shelf extending at one end into the bite of the rolls, a feeding table arranged on the shelf and comprising fingers adapted to be moved over the shelf, means for locking the feeding table on the shelf, links extending from the table, a cam having a pin secured thereto and also being



secured to one of the roller gears, a rod secured by a short link to the last-named link and extending across the length of the rollers, a short link secured to the opposite end of the rod and also to a link that extends from one of the pins, and brackets for holding the rod in position on the frame.

1,488,385. PENCIL WITH FLOATING CLUTCH. WILLIAM P. DE WITT, Somerville, Mass., assignor to De Witt-La France Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Sept. 26, 1921. Serial No. 503,149. 18 Claims. (Cl. 120—18.)

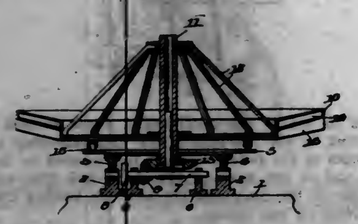


12. A pencil having, in combination, a casing, a guide tube for leads therein, an alignment tube fitting in the front end of said casing, the front end of said guide tube fitting the bore of said alignment tube, whereby said guide tube is fixedly positioned in said casing, an auxiliary guide tube constituting a clutch located adjacent the front end of said casing, the rear end of said clutch projecting into the front end of said guide tube and a lateral projection on said clutch projecting into a hole provided in said alignment tube, said projection forming a loose fit in said hole, whereby said clutch is allowed a limited lateral movement at its rear end, the front end of said clutch being out of engagement with said casing and free to swing laterally thereof.

1,488,386. REDUCTION OF ORES. EDOUARD PERCY CRANWILL GROUARD and FREDERICK WILLIAM SALISBURY-JONES, London, England. Filed Aug. 11, 1923. Serial No. 656,904. 2 Claims. (Cl. 75—14.)

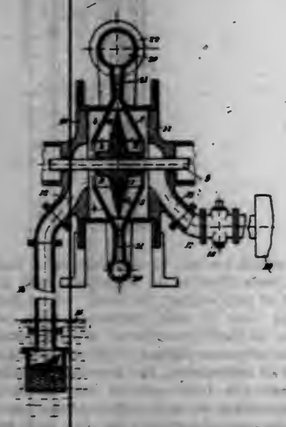
1. A method for reducing ores comprising a preliminary treatment, consisting in the admixture of the ore and fuel, or of the ore, fuel and flux, together with any other re-agent and the subjection of the mixture to a preliminary coking process at low or moderate temperature, the distillation being arrested at the stage after the greater part or the whole or almost the whole of the tar has been removed from the charge and while the residue contains a substantial proportion of volatile hydrocarbons, substantially as described.

1,488,387. WATER MOTOR. GEORGE W. GORDON, Newcastle, Ind. Filed May 26, 1922. Serial No. 563,888. 1 Claim. (Cl. 170—117.)



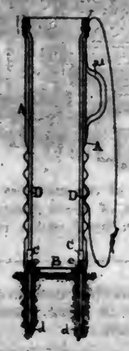
A water wheel of the class described comprising supporting means, a frame mounted on the supporting means to rock about a horizontal axis, a drive shaft mounted on the supporting means and arranged in the same plane as the axis of the frame, an annular track forming part of the frame, a shaft arranged to rock on the drive shaft, a wheel having its hub fitting over the second shaft, gears connecting the drive shaft with the hub, a float at the periphery of the wheel, paddles on the bottom of the float and rollers on the wheel for engaging the track.

1,488,388. CENTRIFUGAL PUMP. PAUL HARIVEAU, Paris, France. Filed Aug. 2, 1920. Serial No. 400,783. 3 Claims. (Cl. 230—14.)



1. A centrifugal pump comprising two cover plates carrying an intake branch sloping at an angle of 45 degrees, a delivery volute adapted to be rotated at will along its median plane, a rotor provided with two bladings arranged on either side in such a way that, the free outlet from the blades on one side is opposite the solid parts of the blades on the other side.

1,488,389. GOLF OR CADDIE BAG. DAVID HIBBERT, Farnworth, near Bolton, England. Filed Aug. 29, 1922. Serial No. 585,062. 1 Claim. (Cl. 150—1.5.)



In a golf bag the combination with the bag of a plurality of stiff rigid uprights secured to the top of the bag and passing down through the bottom to form spikes to enter the ground, ferrules in the bottom of the bag to sheath the spike at the end of the uprights when retracted, the bag being capable of contracting around the bottom as the spikes are pushed into the ground and expanding again under the weight of the clubs when withdrawn from the ground, retracting the spikes within the ferrules, a stationary laterally projecting base affixed to each ferrule, means for securing the ferrule and its base to the bag, a rotary shutter provided with an aperture pivoted to the base of the ferrule to close the ferrule, a ball stop and spring to control it inserted between the ferrule base and shutter the latter provided with indentations to receive the ball to retain it in the closed or in the open position so required.

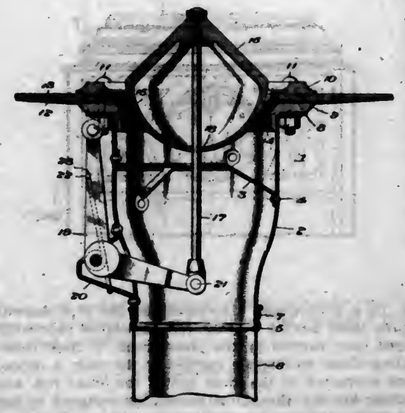
1,488,390. INDEX OR MEANS FOR INDICATING THE DUTIES AND OTHER DATA RELATING TO PERSONS OR OBJECTS. ARTHUR HILL-TREVOR GLENNY, Portsmouth, England. Filed Apr. 9, 1923. Serial No. 630,862. 16 Claims. (Cl. 40—19.)



1. An index, for indicating particulars of persons or objects, comprising a base, a plurality of rods, adapted to be secured to and project from the said base, a plurality of differing types of indicators, each type being adapted to convey a different kind of information, and to be mounted on the said rods and means detachably secured to the rods for retaining a plurality of the said articles on each rod, substantially as set forth.

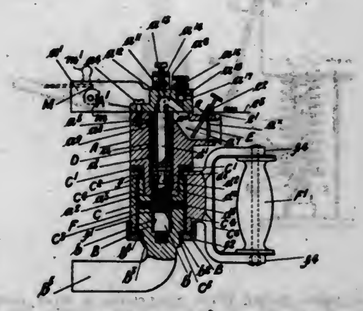
1,488,391. VALVE. MINARD C. HOSKIN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 22, 1921. Serial No. 494,283. 3 Claims. (Cl. 251—144.)

3. A valve comprising a discharge tube, a plurality of annular members adapted to secure the walls of a discharge opening of a container between them mounted upon the discharge tube, one of said members having an interiorly threaded surface, a hard rubber annular seat screwed into the threaded member, a valve head of pliable material adapted to engage the seat, a valve



stem rigidly secured to the valve head, a bell crank arm pivotally secured to the valve stem and pivotally mounted upon the discharge tube and a spring mounted to engage the bell crank arm and its support tending to always maintain the valve in closed position.

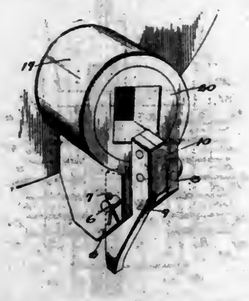
1,488,392. ELECTRICAL CIRCUIT BREAKER. WILLIAM HENRY ILLINGWORTH, Halifax, England. Filed Oct. 27, 1920. Serial No. 419,834. 9 Claims. (Cl. 200—113.)



1. In an electrical cut-out, the combination of a tubular core of insulating material, two metal carrier portions encasing said core, insulating material preferably mica separating and insulating said carrier portions from one another, a metal sleeve encircling said carrier portions and securing same together and insulating material preferably mica interposed between the sleeve and the carrier portions and insulating the sleeve therefrom.

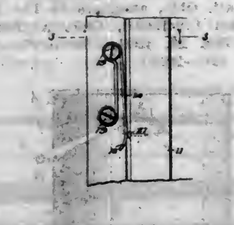
1,488,393. PLUG RETAINER. FRED W. JACKSON, Needles, Calif. Filed Mar. 31, 1923. Serial No. 629,128. 6 Claims. (Cl. 220—36.)

1. A device of the character described comprising a frame consisting of a web portion adapted to be secured to the outer wall of a tubular member at one end of the latter and having a pair of laterally extending arms,



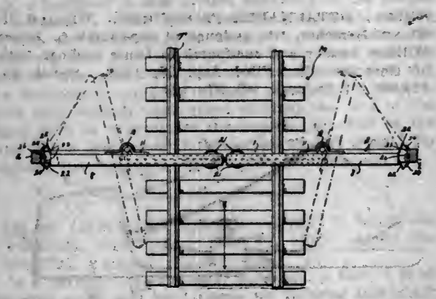
and a latch pivotally supported intermediate its length between said arms and extending at its inner end beyond the inner wall of the tubular member.

1,488,394. WINDOW TIGHTENER. HANS ESBESEN THEODOR JENSEN, Mineola, N. Y. Filed Mar. 4, 1922. Serial No. 541,187. 6 Claims. (Cl. 292—76.)



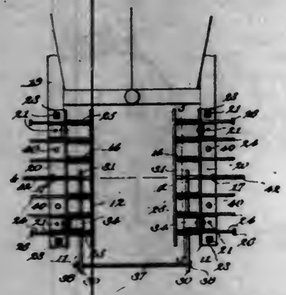
1. A window tightener of the character described, comprising a base plate, a ring formed on the lower end of the base plate, a spring arm integral with the base plate, and a second ring member formed at the junction of the base plate and the spring arm.

1,488,395. DOOR STRUCTURE. VOLEY A. JOHNSON, Ironton, Ohio, assignor of one-half to Lawson Blenkinsopp, Lexington, Ky. Filed Aug. 23, 1923. Serial No. 659,010. 6 Claims. (Cl. 246—304.)



8. A door structure comprising a frame, means for supporting said frame for swinging movement, automatic means for normally maintaining the frame in a predetermined position, a door slidably supported by the frame, and automatic means for normally maintaining the door at the limit of its sliding movement in one direction.

1,488,396. SAFETY APPARATUS. WILFRED S. JOHNSON, New York, N. Y. Filed July 21, 1923. Serial No. 653,051. 8 Claims. (Cl. 293—16.)



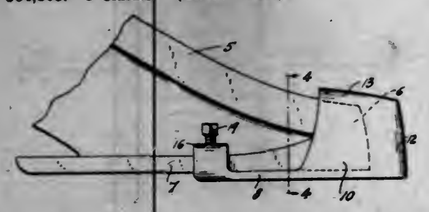
1. For a vehicle, a safety apparatus comprising opposed elements, springs which exert themselves against said elements to effect the movement thereof toward each other, releasing means for maintaining said elements in inactive positions and operable to allow said elements to be acted upon by said operating means, and means for compressing said springs.

1,488,397. PAIL. MICHAEL JUDGE and WALTER J. HICKMAN, Cincinnati, Ohio, assignors to The Eagle-Picker Lead Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 29, 1921. Serial No. 511,243. 2 Claims. (Cl. 220—20.)



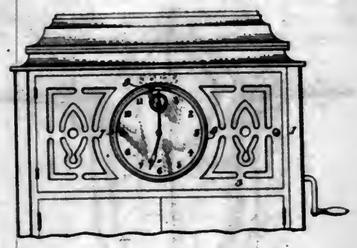
1. In a device of the class described, the combination of a pail, bail plates on the pail, a group of sectional containers in the pail, brackets on the sectional containers to support a brush, a bail engaging the bail plates, the bail and bail plates being adapted to lock the bail and pail against relative movement when the pail is suspended from the bail, lugs on the ends of the bail to preclude the separation of the bail and bail plates.

1,488,398. DETACHABLE PLOWPOINT. WILLIAM H. KLINE, Herscher, Ill., assignor of one-fourth to James William Amidon and one-fourth to Louis Lochner, both of Herscher, Ill. Filed Aug. 28, 1922. Serial No. 584,805. 3 Claims. (Cl. 97—125.)



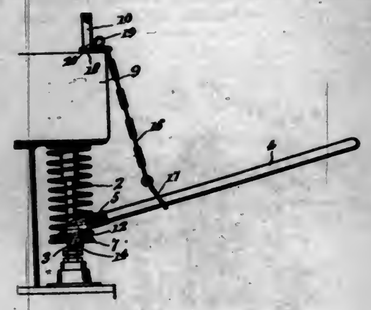
1. In combination with a plow share having a sole flange, a plow point including a body member having one end portion thereof formed into a socket adapted to receive a portion of the plow share, the opposite end portion of said body member having a clip arranged to engage the sole flange of the plow share.

1,488,399. AUTOMATIC STARTER FOR PHONOGRAPHS. JOHN LUKASZEWSKI, Chicago, Ill. Filed Feb. 24, 1923. Serial No. 620,954. 4 Claims. (Cl. 161—23.)



1. In a phonograph attachment of the type described, a turn table having a brake rod associated therewith, a hinged door carried by the phonograph, a clock case including alarm mechanism carried by the door, a rotatable block connected to the inner end of the brake rod, and a winding key for the alarm mechanism adapted to interlock with the block for shifting the block and brake rod when the alarm mechanism is released.

1,488,400. VALVE LIFTER. ARVE ROBERT MCCANTS and ALEXANDER JACKSON CORNETT, Shreveport, La. Filed May 3, 1923. Serial No. 636,400. 2 Claims. (Cl. 29—86.3.)

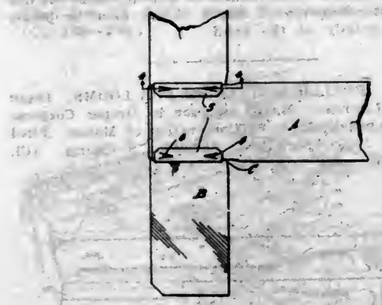


1. A valve spring lifter comprising a lever composed of a handle having an enlarged head with a semicircular inner wall adapted to embrace the valve spring, lugs projecting at substantially right angles down from the outer free ends of the semicircular wall, said lugs being elongated and having flanges projecting inwardly toward one another and having relatively small upper areas with beveled inner edges, and means to support said lever and to provide a fulcrum therefor.

1,488,401. T SQUARE. EDWARD M. MCCRACKEN, Scranton, Pa. Filed July 12, 1921. Serial No. 484,181. 3 Claims. (Cl. 33—112.)

1. A fastening device for T squares and the like comprising a plate of suitable sheet metal having a pair of oppositely disposed projecting arms turned inwardly toward one side of said plate and a second pair of arms

turned inwardly toward the opposite side thereof, each arm having a portion parallel with said plate and spaced



therefrom and means for securing said inwardly turned portions to an object disposed between the plate and the said inturned portions.

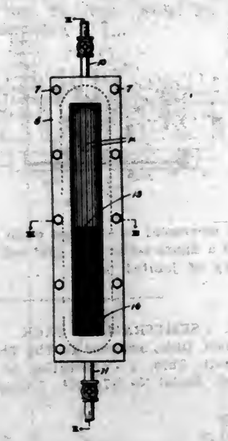
1,488,402. CAN OPENER. LEO GREGORY MCKELLOPS, St. Louis, Mo. Filed July 5, 1922. Serial No. 572,864. 4 Claims. (Cl. 30—3.)



1. A can opener, comprising a shank, an adjustable cutting blade on said shank, and a projection on one of said parts arranged so that it will be moved into locking engagement with the other part to retain the blade in adjusted position by the operation of forcing the blade into the can head.

1,488,403. GAUGE COVER. GEORGE D. MACBETH, Pittsburgh, Pa., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1923. Serial No. 633,713. 4 Claims. (Cl. 73—54.)

1. A cover for a liquid level gauge, comprising an elongate body of transparent material having a totally reflecting portion on its rear surface terminating abruptly at its lower end in a line which is visually non-coincident with a line lying in the general plane of said surface perpendicular to the longitudinal extent of the cover,



whereby the lower end of the totally reflecting portion of the rear surface is sharply defined in other than a horizontal line.

1,488,404. VAPOR-BATH CABINET. HARRY M. MONFORD, Lebanon, Pa. Filed Dec. 20, 1922. Serial No. 607,974. 2 Claims. (Cl. 4—163.)

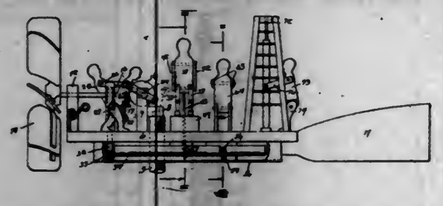


1. A vapor bath comprising a cabinet having a hinged top and a hinged side, openings formed in the sides and in the top, manually-slidable means disposed at the interior of the cabinet for opening or closing said openings, a hammock in said cabinet supported on the bottom of the same, a steam pipe extending within said cabinet between the hammock and the top, a medicament pipe connected with said steam pipe at their inner ends, an exhaust pipe also connected with said steam pipe and the medicament pipe, the exhaust pipe and the medicament pipe crossing each other adjacent the foot of the vapor bath to concentrate the heat at the foot of the bath, and a drain cock at the bottom of said cabinet for draining the condensed vapor collected in the bath.

1,488,405. MECHANICAL SIGN. ARTHUR S. MOON, San Francisco, Calif. Filed Sept. 1, 1923. Serial No. 660,572. 1 Claim. (Cl. 40—139.)

In a device of the character described, a base, a shaft mounted above said base, means for rotating said shaft, a shaft mounted below said base and rotatably connected to said first mentioned shaft, a crank mounted at right angles to said first mentioned shaft, figures pivotally secured to said crank, means for driving said crank from said first mentioned shaft, a plurality of pins mounted in

said second mentioned shaft, a lever adapted to be engaged by said pins, a vertical rod adapted to be contacted by said lever, resilient means mounted on said rod for giving a



vibratory movement to said rod when said rod is reciprocated and a figure secured to said rod, said figure having a plurality of jointed parts.

1,488,406. SEMITRAILER JACK. JAMES MORRISON, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 19, 1920. Serial No. 374,882. 7 Claims. (Cl. 254—86.)



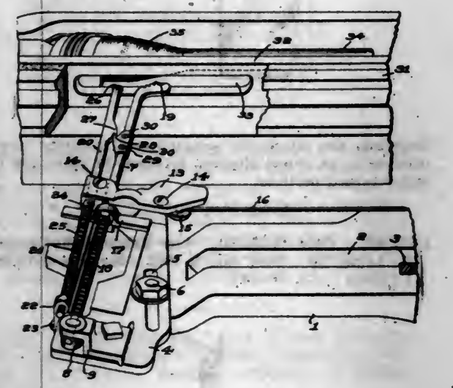
3. A device for swinging up the jacks in semi-trailers, comprising a shaft, elements extending from said shaft intermediate its ends, flexible connections from said elements to the jacks, with said elements located with reference to the jacks, such that the flexible elements wind up on the shafts, outside of the extending elements, means for rotating the shaft from either end thereof, a ratchet lock for the shaft, and means at either end of the shaft for releasing said ratchet.

1,488,407. INFANT'S BAND. HARRIET LYONS REDMOND, Boston, Mass., assignor to The William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts. Filed May 2, 1922. Serial No. 557,917. 2 Claims. (Cl. 2—111.)



2. An infant's shirt or band having a seamless, tubular, knit body portion the lower edge thereof being formed as substantially a straight line transversely of the band, a narrow continuous strip comprising a plurality of thicknesses of knitted fabric secured along the upper edge only thereof upon the inner face of said body portion and terminating short of said straight lower edge of the body portion, said strip being adapted to receive pins or the like for the attachment of a diaper at any point or points circumferentially of the band.

1,488,408. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 4, 1923. Serial No. 636,557. 8 Claims. (Cl. 139—230.)



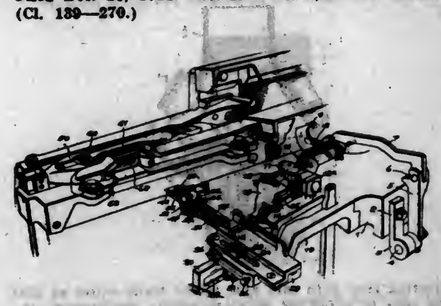
1. In a feeler mechanism for looms, the combination of a main feeler which is mounted to enter the shuttle in a direction inclined to the longitudinal axis thereof and for movement longitudinally along the filling carrier to call the change of filling, an auxiliary feeler mounted for independent movement towards and from the front of the loom and restrained from movement longitudinally of the filling carrier, and interlocking connections between the main and auxiliary feelers which prevent premature movement of the main feeler longitudinally of the filling carrier when the auxiliary feeler moves frontwardly on a detecting beat before the main feeler is moved and which are disengaged when the main feeler moves frontwardly before the auxiliary feeler is so moved.

1,488,409. METHOD OF AND APPARATUS FOR CURING INNER TUBES. WILL C. STATE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 403,726. 3 Claims. (Cl. 18—42.)



1. A method of curing inner tubes that comprises disposing the tube on an expansible bag, placing the bag and the tube in a casing and inflating the bag with steam to apply pressure to the tube and heat to cure it.

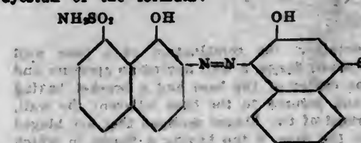
1,488,410. FEELER MECHANISM FOR LOOMS. MELVIN L. SZOKA, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 26, 1922. Serial No. 608,860. 9 Claims. (Cl. 139—270.)



1. In a filling replenishing loom, a convertible side swipe and penetrating feeler mechanism, comprising, in combination, a carrier mounted for movement towards and from the front of the loom, a feeler on the carrier, an actuator having a normal stroke towards and from the front of the loom, filling penetrating pins carried by the feeler and engaging the actuator and means for detachably connecting the feeler and actuator.

1,488,411. DYESTUFFS CONTAINING CHROMIUM AND PROCESS FOR MANUFACTURE OF SAME. FRITZ STRAUB, Basel, and HERMANN SCHNEIDER, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 18, 1923. Serial No. 669,402. 13 Claims. (Cl. 260—12.)

8. As a new product the herein described new dyestuff containing chromium which is a derivative of the azo dyestuff of the formula:



which forms a bronze powder soluble in pure water to a blue to green black solution and in dilute caustic alkalies to a blue violet solution, dyeing wool in an acid bath blue to green blue tints of excellent uniformity, prominent fastness to light, and very good fastness to fulling.

1,488,412. CIGARETTE HOLDER. ALESSANDRO TARABORRELLI, Providence, R. I. Filed Sept. 27, 1919, Serial No. 326,701. Renewed Jan. 14, 1924. 1 Claim. (Cl. 131—10.)



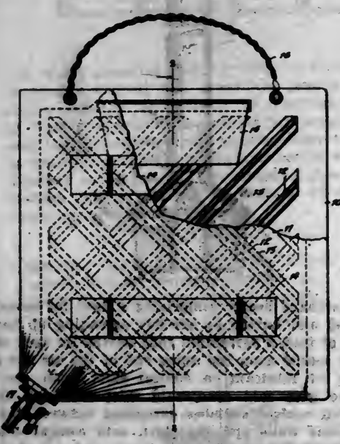
A holder of the class described comprising a tube, a pin projecting therefrom, a body divided longitudinally into two halves, with each half pivoted on the pin intermediate the ends, clamping members at the front ends of said halves, handle members at the rear ends of said halves (and spring means on the pin and engaging the lower parts of the halves) for forcing the clamping members into engagement with the article held by the tube.

1,488,413. FIRE ESCAPE. WILLIAM R. TOWSE, Columbus, Ohio. Filed Nov. 21, 1923. Serial No. 676,142. 4 Claims. (Cl. 227—32.)



1. A fire escape comprising a spiral member, and means for swivelly and yieldably connecting the upper and lower ends of said member in vertical position.

1,488,414. CLOTHES-WASHING DEVICE. JOHN E. VAIL and CHARLES E. STUBER, Garden Grove, Iowa. Filed Apr. 17, 1923. Serial No. 632,804. 6 Claims. (Cl. 68—8.)

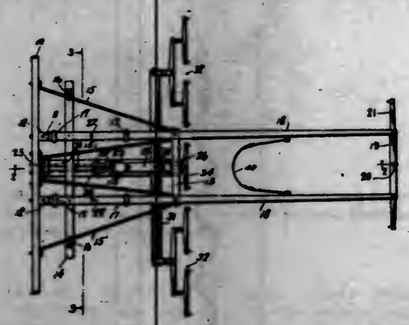


1. A clothes washing device consisting of a waterproof bag adapted to contain the clothes and washing water, and rubbing ribs on the bag in position to have rubbing contact with the clothes by a relative movement of the sides of the bag.

1,488,415. DRAFT EQUALIZER. LOUIS B. VARING, Volin, S. Dak. Filed July 31, 1923. Serial No. 655,794. 2 Claims. (Cl. 278—3.)

1. The combination with a machine frame including forwardly extending tongues and spaced transverse members connecting the tongues, of a draw bar, means connecting the opposite ends of the draw bar to the trans-

verse members centrally and below the plane of the tongues, a lever pivotally secured to the draw bar, a main equalizer bar extending transversely between the tongues



and draw bar, a connection between the draw bar and lever, draft gear connected to the lever and draft gear connected to the equalizer bar.

1,488,416. ORCHARD HEATER. PIET VLAG, West Tampa, Fla. Filed Aug. 25, 1923. Serial No. 659,422. 5 Claims. (Cl. 158—91.)



1. An orchard heater comprising a bowl for containing liquid fuel and having an air flue extending up through the body of fuel, a perforated cone having its apex closed, said cone seated upon the upper end of the air flue above the body of lubricant, a conical skirt upon the bowl concentric with said cone, said skirt enclosing an uninterrupted conical chamber extending between the perforated cone walls and the skirt, said conical chamber being directly above the fuel body, and an elongated chimney upon the upper and smaller end of the skirt.

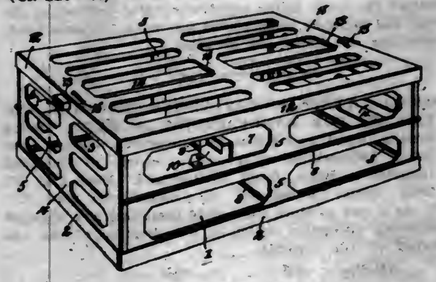
1,488,417. GAS MIXER FOR INTERNAL-COMBUSTION ENGINES. KURT VOLS, Heidelberg, Germany. Filed June 8, 1921. Serial No. 475,992. 4 Claims. (Cl. 48—180.)

1. A rotating air inlet and gas mixture regulator for internal combustion engines comprising in combination with the suction pipe of the motor being enlarged at a determined part and having air inlet holes in this enlarged part, a blade wheel arranged so that it revolves above said air inlets, the axle of said blade wheel mounted so that it can move in vertical direction, an adjusting ring upon said air inlets, conical studs downwardly projecting from the lower surface of said adjusting ring and engaging with said air inlets, means for connecting said



adjusting ring with said axle of the blade wheel so that said ring is lifted off said air inlets according to the movement of said blade wheel.

1,488,418. CRATE. FREDERICK WALTHER, Omaha, Nebr. Filed Aug. 3, 1923. Serial No. 655,494. 3 Claims. (Cl. 220—7.)



1. In a container, the combination of a base wall having an upturned flange, a wall having an aperture and secured to the center of the base and a bracket having an aperture and secured to the base adjacent the wall, side walls formed of two hinged sections that are hinged at one end to the base, a top having a flange in which slots are provided, and a bar having apertures therein and adapted to seat in the slots of the walls and bracket, substantially as and for the purpose set forth.

1,488,419. LEVEL. IRVIN P. WARD, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,300. 3 Claims. (Cl. 33—211.)



1. As a new article of manufacture, a spirit containing vial for spirit levels formed substantially in the form of the middle frustum of a prolate spheroid.

1,488,420. FUSE PLUG. WALTER WATTS, New York, N. Y. Filed Feb. 16, 1922. Serial No. 537,045. 2 Claims. (Cl. 200—130.)

1. In a fuse plug, a plug body having diametrically disposed sockets and spaced lugs projecting from one end, insulated terminal contacts on the opposite end, spring

contact fingers arranged within the sockets and connected to said terminal contacts, a detachable head having a recess for the reception of the lugs, spaced contact legs adapted to enter the sockets and frictionally engage the spring finger contacts for retaining the head in associated relation with the plug body, said legs having extensions



respectively arranged in the opposite ends of the recess, and a detachable fuse element positioned over the lugs with its opposite ends in clamping engagement between the leg extensions at the end of the recess and the outer sides of the lugs to establish electrical communication with the plug terminal contacts.

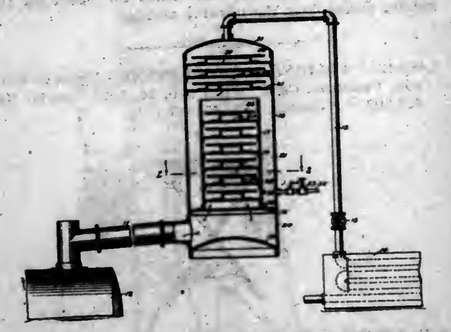
1,488,421. WINDSCREEN. GEORGE WELCH, Perth, Western Australia, Australia. Filed Apr. 18, 1922. Serial No. 554,485. 3 Claims. (Cl. 296—92.)



1. A windscreen comprising the combination of supporting standards; a screen section; a hollow cone attached thereto bearing against a conical surface on its outer face; another screen section, a cone attached thereto bearing against the inner face of the hollow cone; and means whereby the conical bearing faces can be held in frictional contact so that the screen sections may be supported in any desired relative positions.

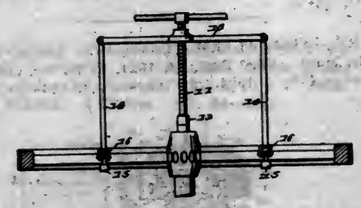
1,488,422. CONDENSER. ARTHUR K. WHITELAW, Louisville, Ky., assignor to Standard Oil Company of Kentucky, Louisville, Ky., a Corporation of Kentucky. Filed Feb. 16, 1922. Serial No. 536,993. 5 Claims. (Cl. 261—114.)

1. A condenser of the class described, comprising an outer casing, an inner casing of similar but smaller cross section and shorter in length than the outer casing, means for supporting the inner casing concentric with the outer casing with its ends spaced a distance from the ends of the latter and for closing the area between the lower end of the inner casing and the wall of the outer casing, baffling means mounted in the outer casing and positioned above the inner casing, means for con-



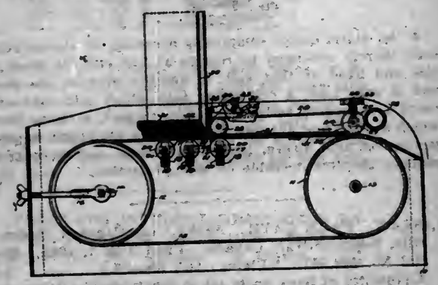
veying liquid into the outer casing to flood the inner casing, vapor inlet and liquid outlet means connected with the lower end of the outer casing and vapor outlet means leading from the upper end of the outer casing.

1,488,423. WHEEL PULLER. WINTHROP H. WILCOX, New Haven, Conn., assignor of three-fifths to Stephen W. Spencer, New Haven, Conn. Filed July 12, 1921. Serial No. 484,068. 1 Claim. (Cl. 29—85.)



A wheel removing jack for vehicles having a crossbar carrying a central jack screw and tensile members connected with the terminals of the cross head and provided at their free ends with buttons for engaging and spanning the intervals between adjacent spokes of a wheel to be removed, said buttons being connected with the tensile members by universal joints adapting them to lie in parallelism with the tensile members when inserted between the spokes of the wheel.

1,488,424. MAIL-MARKING MACHINE. OSCAR DELLMONT WILLIS, Huntington, W. Va. Filed Nov. 9, 1922. Serial No. 599,879. 8 Claims. (Cl. 101—242.)



1. In a machine of the character described for canceling stamps, a drum, an endless belt operated by said drum, a printing member, an endless belt for operating the printing member and driven by engagement with the

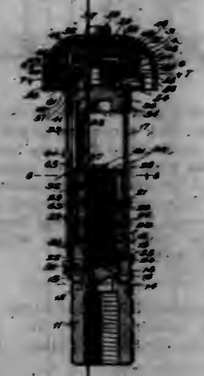
first endless belt, spacing means for controlling the feeding of the letters on to said endless belt so that the letters reach the printing member at a predetermined instant in its revolution, and means for operating the spacing means from the printing member.

1,488,425. FOLDING SERVING STAND. THOMAS WILSON, Pasadena, Calif. Filed Feb. 26, 1923. Serial No. 621,303. 1 Claim. (Cl. 45—11.)



In a device of the character described, a stand having parallel spaced top members, flexible bands extending between said top members and having their ends secured thereto, annular recesses formed in each of said top members, pads of greater thickness than the thickness of said top members, said pads being adapted to rest upon said flexible bands, and means for securing said pads to said top members, said means comprising curved metal portions adapted to lie in said annular recesses, and having a straight end secured to said pads.

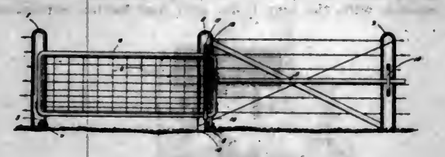
1,488,426. TIRE ALARM. CHARLES A. BAKER, Great Falls, Mont. Filed Sept. 14, 1921, Serial No. 500,505. Renewed Feb. 6, 1924. 9 Claims. (Cl. 116—34.)



4. An alarm device comprising a casing, an elongatable tube therein arranged to receive at one end air from a tire and fixed at that end, a metallic plug in the free end of said tube, a coil spring into which said tube extends arranged to resist elongation thereof, a sleeve into which said spring extends connected to said plug, a projection on said sleeve, indicating means, and a control member therefor operable by said projection.

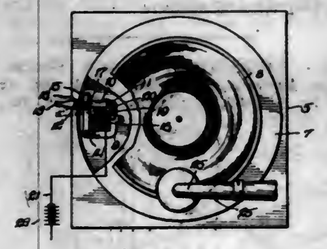
1,488,427. FARM GATE. ARDEN CARL CARLSON, Recanville, Saskatchewan, Canada. Filed Aug. 1, 1921. Serial No. 488,991. 1 Claim. (Cl. 89—35.)

A plurality of fence posts set in longitudinal alinement, a gate frame having an extension at one end in alinement with the frame, said frame and extension being one integral continuous piece bent into shape, brackets secured to the lower corners of said frame and carrying said rollers, rollers at each end of said frame, a vertically-disposed roller mounted on the intermediate post and between which and said post the said frame is mounted to slide,



and a guide for said extension mounted on one of said posts and brackets in which the upper and lower ends of said roller are rotatably mounted.

1,488,428. ELECTRIC STOP FOR PHONOGRAPHS. WILLIAM R. DUNCAN, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,335. 9 Claims. (Cl. 192—123.)



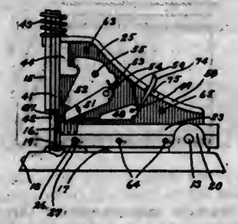
1. An electric switch member for an Edison phonograph having a reproducer with a floating weight, comprising a support, an insulated contact member carried by said support, and a second contact member adapted to be connected with the floating weight and actuated thereby for making contact with the first named contact member.

1,488,429. SAFETY APPARATUS FOR RAILWAY CROSSINGS. LUTHER R. HILL, Colorado Springs, Colo. Filed Mar. 27, 1923. Serial No. 627,972. 4 Claims. (Cl. 246—293.)



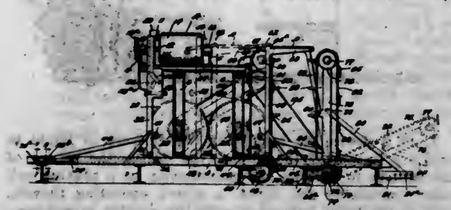
1. In a safety apparatus for railway crossings having automatically operated gates and an actuating trip apparatus operated by contact with the approaching train, the combination of a release and gate opening mechanism comprising a frame secured to the ties near the crossing, a locking appliance consisting of a rod and cable connection with said gates, an inclined catch piece secured to said rod, a hooked catch lever above said catch piece and provided to engage it as the gates are pulled shut by said rod and cable and hold said rod from releasing, and a tripping trigger provided to be engaged by the passing cow catcher of the locomotive and to release said catch lever from said catch piece, for the purposes specified.

1,488,430. STAPLE BINDER. BERTHOLD JAHN and ERNEST EMIL KAHL, New Britain, Conn., assignors to The B. Jahn Manufacturing Company, New Britain, Conn., a Corporation. Original application filed Nov. 25, 1916, Serial No. 133,357. Divided and this application filed Mar. 19, 1920. Serial No. 367,289. 2 Claims. (Cl. 1—23.)



1. In a stapling machine, a main casing provided with an interior recess, a plunger passing therethrough, a pivoted staple-feeding means, a pivoted staple-holding means beneath said staple-feeding means and adapted to engage said staple-feeding means by upward movement, the said staple-holding means being freely movable on its shaft and being provided with an integral arm extending rearwardly through an opening in the casing and constituting a handle which is arranged and located to be grasped by one hand simultaneously with said casing, thereby simultaneously releasing both the staple-feeding and the staple-holding means.

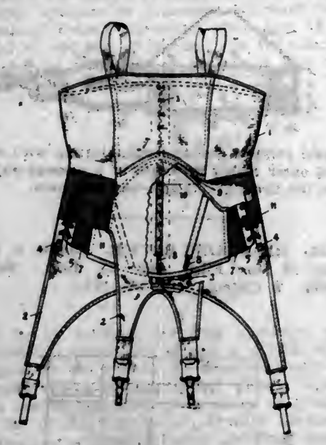
1,488,431. SHEET-METAL-PLATE-HANDLING MACHINE. MILE KUKULJ, Farrell, Pa. Filed June 7, 1923. Serial No. 643,955. 41 Claims. (Cl. 214—6.)



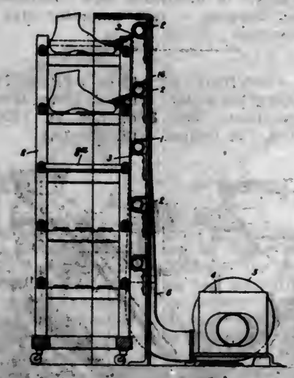
1. In a sheet metal plate handling machine, a continuously moving conveyor, means for removing the plates from the conveyor and stacking same, said conveyor including a series of horizontally alined endless belts, gear connections between the endless belts, a pair of guide rollers preceding the endless belts, gear connections between the guide rollers and the adjacent endless belt section, driving means for the guide rollers continuously operating the endless belts, the means for removing the plates from the conveyor including a transversely shiftable frame structure carrying vertical bars disposed between the endless belt sections, a vertical slide rod carried by each bar having a bead at its upper end normally projecting above the endless belt sections for engaging the adjacent edge of a plate, trigger mechanism associated with each bar adapted to be operated when the bar reaches its limit of operative movement to lower the rod bead to permit return of the bar beneath a plate being fed by the endless belt.

1,488,432. BRASSIÈRE. JOSEPH LEONARD, Allentown, Pa., assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa., a Corporation of New York. Filed May 12, 1922. Serial No. 560,296. 4 Claims. (Cl. 2—72.)

1. In combination, a brassière comprising a soft fabric bodice which completely encircles the body, and a continuous stiffened reducing band which is located under the lower portion of the front of the brassière and connected for vertical adjustment at its sides to the brassière, and flexible means connecting the reducing band at its middle to the brassière.



1,488,433. METHOD AND APPARATUS FOR DRYING THE TOES OF BOOTS AND SHOES. DAVID BAIRD MACDONALD, Leicester, England. Filed July 7, 1919. Serial No. 308,946. 4 Claims. (Cl. 34—36.)

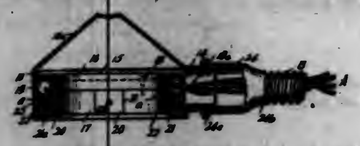


3. An apparatus for treating boots and shoes by localized air currents comprising one or more air pipes each having one or more nozzles or orifices therein, means for supplying warmed air under pressure to said pipes, means to support said pipes, and means for moving said pipes to change the direction of the issuing air jets relatively to the work.

1,488,434. TIMER FOR INTERNAL-COMBUSTION ENGINES. EMIL F. PFISTER, Avant, Okla. Filed July 31, 1920. Serial No. 400,432. 3 Claims. (Cl. 200—19.)

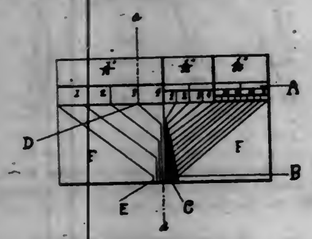
1. A distributing cap for timers or ignition apparatus comprising an outer casing formed with a laterally-extending neck, an insulated annular block removably arranged in said casing and including a section formed with an annular groove in its inner side and a second section formed with recesses in its inner circumference

held on the first-mentioned section against the side formed with said annular groove to tightly close the



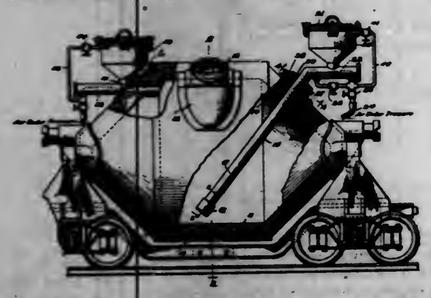
same, said annular groove communicating with said neck and said outer casing by means of a passage-way formed between the two sections adjacent said neck.

1,488,435. MEASURING DEVICE. JULIUS A. PICKENS, Easley, S. C. Filed Aug. 27, 1920. Serial No. 406,369. 3 Claims. (Cl. 33—111.)



1. In a measuring device provided with a calibrated dial and a serrated measuring edge having channeled graduation lines commencing in said serrations and extending parallel from said measuring edge for consecutively varying distances to points of divergence, thence from said points of divergence said channeled graduations extend fan-wise to said calibrated dial, substantially as described.

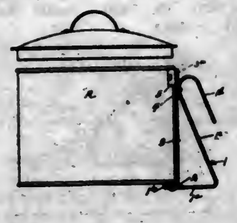
1,488,436. METHOD OF AND APPARATUS FOR TRANSPORTING SLAG. JOHN D. PUGH, Mount Washington, Baltimore, Md. Filed Apr. 28, 1920. Serial No. 377,211. 16 Claims. (Cl. 22—79.)



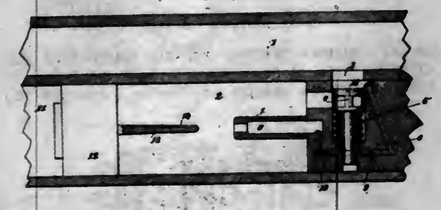
1. In a device for transporting molten material, in combination, a ladle, and means including a pipe adjustably mounted on said ladle and having an orifice within the same for introducing combustible material into the slag at any desired depth below its surface, for the purpose set forth.

1,488,437. BRACKET. WILLIAM P. RHOADS, New Bethlehem, Pa. Filed May 19, 1922. Serial No. 562,176. 4 Claims. (Cl. 248—20.)

4. In a bracket of the character described, triangular frames each formed from a single strip of material and each including an inner vertical arm, a lower horizontal arm, and an outer inclined brace arm extending from the outer end of the horizontal arm to the vertical arm adjacent to the upper end thereof, said horizontal arm being extended inwardly beyond the lower end of the vertical arm; a brace strip secured through the extensions of the brackets and connecting the same; and an upper brace strip, said upper strip and the vertical and inclined arms of the respective brackets being all secured together.



1,488,438. DEVICE FOR REGULATING THE FLOW OF LIQUID IN ARTILLERY BRAKES DURING THE RETURN TO BATTERY. EMILE RIMAILHO, Paris, France, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Filed Oct. 5, 1922. Serial No. 592,645. 5 Claims. (Cl. 89—43.)

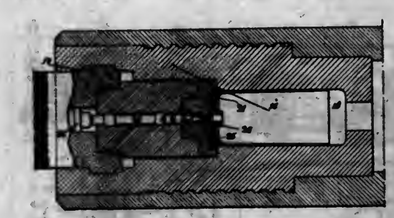


1. In a device for regulating the delivery of liquid in artillery brakes of the liquid type during the return of the cannon to battery, the combination of a braking cylinder containing the liquid, a piston operating therein, said piston being connected with the cannon, a recuperation cylinder, and means for the flow of liquid from the braking cylinder into the recuperation cylinder, through a duct, a second duct called return duct connecting the said cylinders, means provided in said duct for the return of the liquid into the said braking cylinder, a hollow extension formed upon the end of said recuperation cylinder, said return duct starting from the bottom of said extension, a diaphragm disposed within the said recuperation cylinder, said diaphragm being impelled towards the closed end of said cylinder by elastic means, a projecting portion provided upon said diaphragm and adapted to engage the hollow part of said extension during the return to battery and to close more and more the liquid flow passage at the inlet end of said extension during the return of said diaphragm.

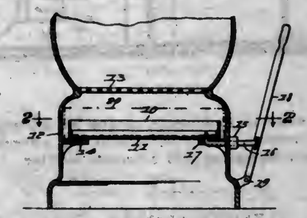
1,488,439. CANNON WITH VARIABLE CHARGE. EMILE RIMAILHO, Paris, France, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Original application filed Feb. 17, 1922, Serial No. 537,285. Divided and this application filed Apr. 26, 1923. Serial No. 634,838. 5 Claims. (Cl. 89—17.)

5. In a cannon for firing with variable charges, the combination of a normal powder chamber disposed at the front part of the breech, additional chambers coaxial with the said normal chamber and communicating

therewith, said additional chambers increasing in diameter towards the rear, a single breech-block adapted to close the last additional chamber, a firing device disposed in the said breech-block and inert plugs adapted to be maintained in the walls of the said additional chambers in place of the charges.

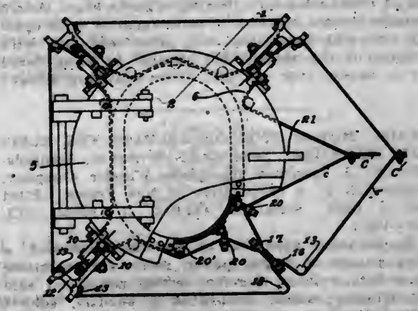


1,488,440. ASH-SIFTING ATTACHMENT FOR STOVES. BRUCE C. ROBINSON and JOHN S. COLLINS, Syracuse, N. Y. Filed May 12, 1922. Serial No. 560,368. 2 Claims. (Cl. 126—245.)



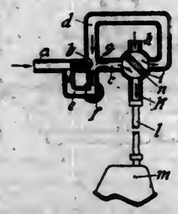
1. A stove having its ash pit provided with supporting guides and a sifter reciprocably mounted upon said guides beneath the stove grate, and operating means including a hand lever disposed exteriorly of the stove and connected with said sifter, said guides consisting of cross sectional angular fingers projecting from opposite walls of the ash pit and disposed in overlapping relation with the bottom wall of the sifter.

1,488,441. QUICK-RELEASE DEVICE FOR TANK CLOSURES. JOHN SANDERS, Denver, Colo., assignor to Safety Tank Drainage Co., a Common Law Trust, E. M. Davis, J. B. Forshay, John Sanders, C. E. Wampler, L. K. Haney, and Carle Whitehead, trustees, all of Denver, Colo. Filed Aug. 11, 1922. Serial No. 581,091. 5 Claims. (Cl. 220—55.)



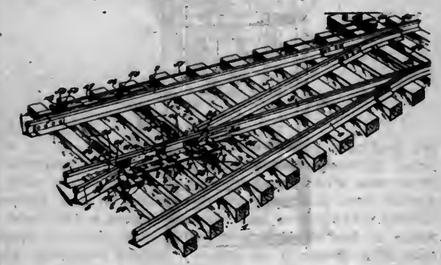
1. The combination of a port, a closure, a plurality of clamping devices spaced circumferentially of the port, and means operative of said clamping devices whereby they may be entirely withdrawn beyond the circumference of the closure.

1,488,442. ARTIFICIAL-BREATHING APPARATUS. HANS WILHELM CHRISTIAN SCHRÖDER, Lubeck, Germany, assignor to Alexander Bernhard Dräger, Finkenberg, Lubeck, Germany. Filed Aug. 18, 1921. Serial No. 493,483. 5 Claims. (Cl. 128—29.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an artificial breathing apparatus of the kind described, a circulating system, a conduit for delivering respiratory gas thereto for admixture with air in said system, and a valve-controlled by-pass connected with said system and conduit at points upon opposite sides of the point of connection of said conduit with said system and adapted to supply additional respiratory gas to said circulating system whereby the proportion of gas is increased without increasing the volume of the gas and air mixture.

1,488,443. MONORAIL FROG. WILLIAM SCHWIBS, Seattle, Wash. Filed July 18, 1923. Serial No. 652,385. 6 Claims. (Cl. 246—388.)



3. In a monorail frog for actuation simultaneously with a switch point including a frog rail disposed at the intersection of the siding and main track rails for fulcruming movement in a horizontal plane into alining relation alternately with said rails, locks pivotally and operatively supported on opposite sides of each end of the frog rail, a supporting base for the frog rail, abutments with certain of which certain diagonally opposite locks engage for locking the frog rail against movement in one direction, means for holding the frog rail against movement in the opposite direction, and means for tilting the locks upwardly to free them from engagement with the abutments whereby the frog rail may be moved.

1,488,444. TONSORIAL APPLIANCE. JOHN P. SHEA, Boston, Mass. Filed Feb. 17, 1921. Serial No. 445,746. 1 Claim. (Cl. 2—54.)

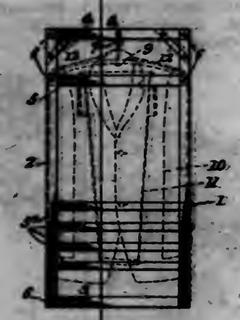
A barber's mantle comprising a single sheet of thin material having a fibre-like nap and having a hem at the top edge thereof formed by turning a portion of said sheet back upon itself and securing it thereto in such manner as to form a tube of less length than the width of said mantle, the said tube being so located as to enable the side edges of the mantle to overlap at certain times; draw strings in said tube, one end of each of which is attached to said mantle adjacent an end of said

tube, in such manner as to cause the top edge of the mantle to be gathered snugly about the neck of the wearer



at that point and to cause said side edges to overlap when said strings are pulled; and means to secure said side edges in overlapped position.

1,488,445. CLOTHES DRAMER. WILLIAM G. SUBERING, Greenville, S. C. Filed Oct. 6, 1922. Serial No. 592,862. 6 Claims. (Cl. 206—7.)

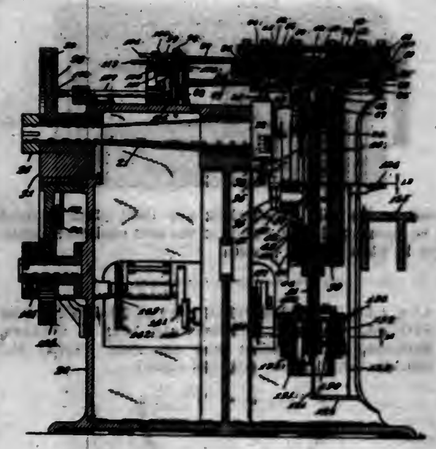


1. A frame for supporting clothing comprising relatively light thin standards, upper and lower rails collapsibly connecting the standards, and means carried by the upper rail for supporting a garment hanger, substantially as described.

1,488,446. MACHINE FOR FORMING GEARS OR OTHER POLYGONAL ARTICLES. GEORGE H. STEVENSON, Indianapolis, Ind., assignor to Stevenson Gear Company, Indianapolis, Ind., a Corporation of Delaware. Filed May 6, 1921. Serial No. 467,503. 23 Claims. (Cl. 90—8.)

1. The combination with a work holder, a cutting tool, means for causing relative cutting movement between the cutting tool and work holder, and means for varying the position of the tool relative to the work holder to cause successive cutting operations, of clamping means co-related with the cutting tool, and means, synchronized with the means for causing relative cutting movement, to alternately move the clamping means toward and from the cutting tool.

10. The combination with an annular tool holder provided with a plurality of tool seats, of an plurality of tools mounted in said seats, a rotatable member associated with the tool holder and engaging the tools to



shift the same in their seats, means for advancing said rotatable member, and other means for alternately advancing and regressing said rotatable member.

1,488,447. FLEXIBLE SHINGLE. JOHN A. TOPPING, Chicago, Ill., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Feb. 23, 1922. Serial No. 538,495. 2 Claims. (Cl. 108—8.)

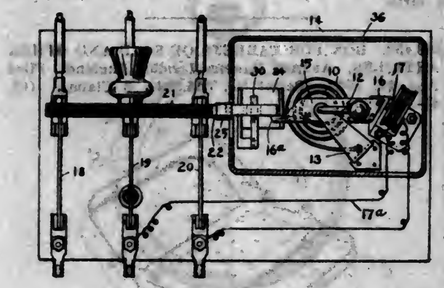


1. A flat shingle of flexible bitumen impregnated material of rectangular form, having opposite edges slotted diagonally toward one end of the shingle to form oppositely extending tabs lying in a plane coinciding with the plane of the shingle, but capable of being flexed away to engage over the edge of an overlying shingle.

1,488,448. MOTOR STOP OR RELEASE FOR ELECTRIC SWITCHES. SCHUYLER S. WHEELER, Bernardsville, N. J., assignor to Crocker-Wheeler Company, Ampere, N. J., a Corporation of New Jersey. Filed Nov. 5, 1920. Serial No. 422,093. 7 Claims. (Cl. 200—109.)

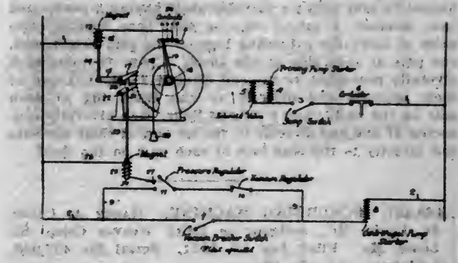
1. In electrical apparatus of the class described, a holding magnet of limited power, means for energising it, a switch, a latch therefor, setting means for said latch, tripping means, comprising a hammer, subject to the holding power of the energized magnet, when said setting means has operated on said latch to lock the switch, and, when said magnet is de-energized to release said hammer, permitting the hammer to strike and trip said latch and allow the switch to open, said setting means constituting a tail extension of said

hammer, means for pivotally supporting said hammer and its setting means, and means for subjecting said hammer and setting means to tension when said setting means has locked the switch.



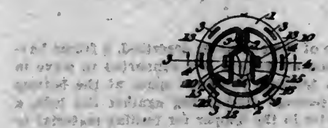
3. In apparatus of the class described, a latch, having a securing and a releasing position, a power-operated hammer, and releasing means in addition to the weight of the hammer for restraining the action of the hammer upon said latch.

1,488,449. PUMP SYSTEM. CHARLES J. BURKHARDT, Hazleton, Pa. Filed July 14, 1923. Serial No. 651,571. 4 Claims. (Cl. 103—22.)



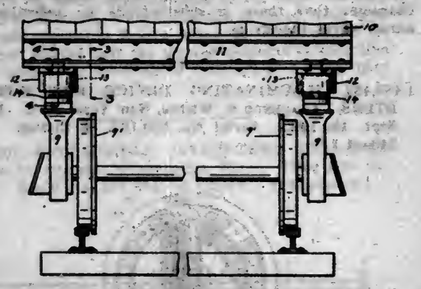
1. In a pump system, a main pump, a priming pump therefor, means automatically starting the main pump when primed, means automatically stopping the priming pump after it has performed its function, means automatically restarting the priming pump on failure of the main pump to function after priming, and means limiting the repetition of the cycle.

1,488,450. SNAP FASTENER. JOSEPH W. DEWS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 16, 1923. Serial No. 639,345. 4 Claims. (Cl. 24—218.)



1. In a snap fastener socket member, a stud-engaging spring composed of a circular outer portion having reentrant ends in parallel contact for a portion of their length and then divergent to form stud-engaging shoulders and extending farther within the circular portion in parallel relation and having their tips turned outwardly into contact with the circular outer portion so that when the fastener stud enters or leaves the socket these terminal portions function resiliently.

1,488,451. CAR MOUNTING. ELMER A. LAUGHLIN, Oregon, Ill. Filed July 16, 1921. Serial No. 485,161. 10 Claims. (Cl. 105—179.)



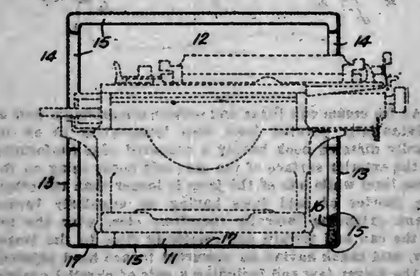
1. The combination with a car body and a truck therefor, of bearings on said truck arranged at opposite sides thereof and permitting of both longitudinal and pivotal movements between the sides of said body and the sides of said truck, substantially as described.

1,488,452. HANDLE CONSTRUCTION FOR PANEL-BOARD SWITCHES. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed July 31, 1922. Serial No. 578,583. 7 Claims. (Cl. 200—172.)



4. In a construction of the character described the combination of a switch including an operating lever, a face plate having a slot through which said lever projects and in which it is operable, said lever having a head with a locking shoulder and a detachable tubular handle for said lever having a slot in its end to admit said head and having a notch to interlock with said locking shoulder and a spring for yieldingly holding said handle on said lever.

1,488,453. SILENCING DEVICE FOR TYPEWRITERS AND THE LIKE. FRANCIS L. MCLAUGHLIN, Montreal, Quebec, Canada. Filed Aug. 19, 1922. Serial No. 583,065. 8 Claims. (Cl. 197—186.)



1. A silencing device for typewriters comprising means to intercept sound waves to be positioned close to the back and ends of a typewriter and embodying end and

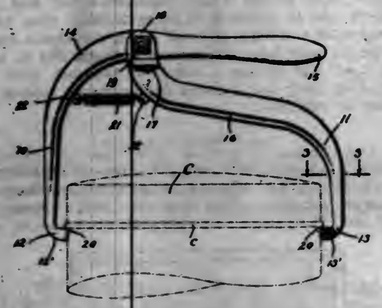
back members, the end members being formed to permit movement of a typewriter carriage outwardly of the vertical planes thereof, the said means being of such a character that there is substantially no reflection of sound waves therefrom.

1,488,454. ILLUMINATING DEVICE FOR MOTOMETERS. CLARENCE E. WHITE, New York, N. Y. Filed Sept. 19, 1922. Serial No. 589,123. 5 Claims. (Cl. 240—1.)



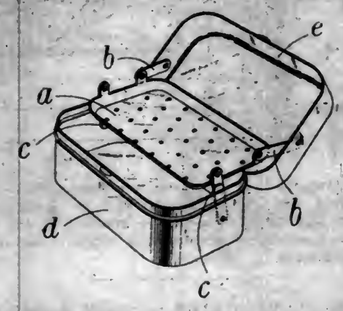
1. In combination with a motometer including a casing having slotted walls and a thermometer visible through the slots mounted in the casing, an illuminator comprising luminous plates located in the casing and extending at right angles to the slotted walls.

1,488,455. ICE-CREAM-CAN LIFTER AND CARRIER. JOSEPH E. CHASE, Schenectady, N. Y., assignor, by mesne assignments, to Van Wie & Chase Corporation, Gloversville, N. Y., a Corporation of New York. Filed Feb. 13, 1922. Serial No. 536,214. 1 Claim. (Cl. 294—106.)



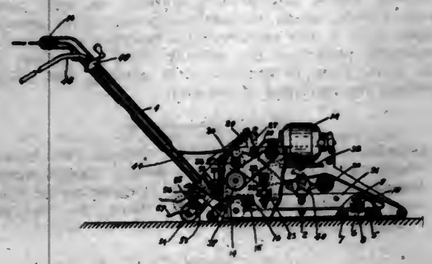
An ice cream can lifter and carrier comprising a pair of substantially parallel jaws each terminating in an inwardly directed hook having a concaved edge conforming to the exterior surface of the can, said hooks being on the same level while one of the jaws is longer than the other, the shorter of said jaws having an angularly turned shank extending laterally therefrom close over the top of the can and toward and relatively close to the longer jaw, said shank having an upwardly turned head adjacent to the longer jaw and including a pair of parallel upright lugs, and the longer jaw being provided with an angularly turned shank extending between said lugs and terminating in a handle the center of which is about midway between the two jaws, a horizontal pivot passing through said lugs and the latter mentioned shank, and a contractile spring extending horizontally between the longer jaw and the headed portion of the shorter jaw, substantially as set forth.

1,488,456. BOX FOR TABLETS OF SOAP AND OTHER ARTICLES. ARTHUR HARPER, London, England. Filed Apr. 21, 1922. Serial No. 555,834. 3 Claims. (Cl. 45—28.)



1. A box for tablets of soap and the like comprising in combination a sheet metal body; a sheet metal lid member hinged to said body; a movable shelf having a perforated base member, a raised edge on said base member, two pairs of upwardly extending lugs on the said raised edge, one pair at each side of the shelf; a pair of links, each pivotally connected at one end directly to the box and at their opposite end directly to the front lug of each pair on the shelf; and a pair of links, each pivotally connected at one end directly to the lid and at their opposite end directly to the rear lugs of each pair on the shelf.

1,488,457. SCRUBBING MACHINE. HARRY A. CRISP, St. Louis, Mo., assignor to Edith Weaver Crisp, St. Louis, Mo. Filed Jan. 17, 1921. Serial No. 437,945. 5 Claims. (Cl. 15—99.)



3. In a machine of the character described, a frame having an open bottom, an endless belt supported to move in the frame and to traverse the open space at the bottom thereof, a liquid passage discharging against the belt, a hopper, a feed device in the hopper for feeding material to the liquid, and power mechanism for operating the feed device.

1,488,458. CLOSURE. FREDERIC ECAUBERT, New York, N. Y. Filed June 5, 1922. Serial No. 566,137. 12 Claims. (Cl. 220—24.)

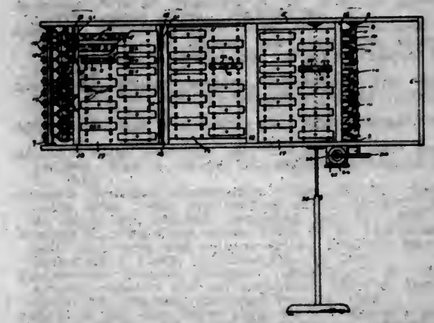
1. In a closure structure, a body having spaced engaging members each with a contact surface which from one end thereof to the other increases continuously in

distance from the center of the said body, and a cover also having engaging members thereon, with each engaging



member of the cover having a contact surface with portions thereof at correspondingly variable distances from the center of the cover.

1,488,459. TRAVELING COPY FOR TYPISTS. THOMAS A. BIGGS, Sioux City, Iowa, and ANDREW E. VANCE, Long Beach, Calif. Filed July 20, 1922. Serial No. 576,402. 5 Claims. (Cl. 35—12.)



1. A device of the class described comprising a copy means including a plurality of lines of printed elements, and screening means for concealing said elements and adapted at determined points to reveal a limited number of said elements, one of said means being movable with respect to the other longitudinally of the lines, whereby the printed elements are successively revealed, said copy means and screening means being so constructed, arranged and related that the printed elements of each line will be revealed at intervals of time different from those of the other lines.

1,488,460. COLLAPSIBLE CARPENTER'S TOOL BOX. AARON E. SCHEER, Minneapolis, Minn. Filed Oct. 30, 1922. Serial No. 597,864. 6 Claims. (Cl. 220—6.)



1. A collapsible tool box for carpenters comprising, an elongated rectangular base member, side members of less height than the width of said base pivoted thereto at their bottom edges, end members having triangular portions extending above the tops of said side members and also being pivoted at their lower edges to the end edges of said base member and having side flanges adapted to fit over said side members, transverse members secured to the inner side of said end members and having their ends bent to contact the inner side of said side members, the triangular portions of said end members having central apertures adjacent their upper edges, spring plate members on their outer side adjacent said apertures, and a handle member extending between said end members and having projections extending through said apertures cooperating with said spring plate members to be held in fixed position thereby, the side portions of the box being adapted to fold downwardly on the base portion and the end portions being adapted to fold down on said side portions.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbey Effervescent Salt Company, Inc., New York, N. Y. Dry chemical effervescent salt mixture. 180,634; Mar. 4; Serial No. 180,645; published Dec. 18, 1923.

Abbey Effervescent Salt Company, Inc., New York, N. Y. Dry chemical mixture of health salt. 180,640; Mar. 4; Serial No. 180,644; published Dec. 18, 1923.

Abraham & Straus, Inc., New York, N. Y. Hair nets. 180,602; Mar. 4; Serial No. 180,404; published Dec. 18, 1923.

Ackerman-Stewart Drug Co. (See Tilghman, William G., assignor.)

Alaska Pacific Fisheries, Seattle, Wash. Canned salmon. 180,696; Mar. 4; Serial No. 187,277; published Dec. 18, 1923.

Allen-Bradley Company, Milwaukee, Wis. Electrical resistance for wireless apparatus. 180,535; Mar. 4; Serial No. 186,974; published Dec. 4, 1923.

Allen, Doctor W. A., Company, Los Angeles, Calif. Dental creams. 180,512; Mar. 4; Serial No. 185,000; published Dec. 18, 1923.

Allen, Samuel L., doing business as Phoenix Drug Store, Monroe, La. Corn remedy. 180,795; Mar. 4; Serial No. 185,200; published Dec. 11, 1923.

American Syrup Company, Inc., Boston, Mass. Beverages sold as soft drinks and syrups, extracts, emulsions, and pastes for making the same. 180,751; Mar. 4; Serial No. 168,191; published Dec. 18, 1923.

American Tea & Coffee Co., Nashville, Tenn. Coffee. 180,766; Mar. 4; Serial No. 185,170; published Dec. 18, 1923.

Anderson, Nils A., Brooklyn, N. Y. Tool for grinding electric contact points. 180,832; Mar. 4.

Andrews, William, Niagara Falls, N. Y. Ointment for the treatment of eczema and other skin diseases. 180,649; Mar. 4; Serial No. 175,231; published Dec. 18, 1923.

Arkadelphia Milling Company, Arkadelphia, Ark. Stock feed. 180,783; Mar. 4; Serial No. 183,661; published Dec. 18, 1923.

Atlantic Blotting Paper Mills Co. (See Ellerson, Henry W.)

Atlantic Mills, Stottville, N. Y. Woolen piece goods. 180,906; Mar. 4; Serial No. 186,406; published Dec. 11, 1923.

Augusta Knitting Corporation, Utica, N. Y. Ladies' union suits, vests, and bathing suits. 180,576; Mar. 4; Serial No. 174,284; published Dec. 18, 1923.

Augusta Knitting Corporation, Utica, N. Y. Ladies' union suits and vests and bathing suits. 180,789; Mar. 4; Serial No. 174,283; published Dec. 11, 1923.

Autographic Register Company, Hoboken, N. J. Autographic registers and parts thereof. 180,676; Mar. 4; Serial No. 186,266; published Dec. 11, 1923.

Avedon & Co., Inc., New York, N. Y. Women's coats, suits, dresses, etc. 180,786; Mar. 4; Serial No. 187,032; published Dec. 18, 1923.

Babani, Maurice, Paris, France. Perfume extracts, lotions, toilet waters, etc. 180,518; Mar. 4; Serial No. 185,012; published Dec. 11, 1923.

Baden, Fred, Inc., New York, N. Y. Nose irrigation and throat gargle. 180,524; Mar. 4; Serial No. 185,310; published Dec. 11, 1923.

Bahnsen, C., & Co., Inc., New York, N. Y. Wool velour coating piece goods. 180,507; Mar. 4; Serial No. 185,541; published Dec. 18, 1923.

Baker, B. B. Co., The, Toledo, Ohio. Knitted sweaters and vests. 180,645; Mar. 4; Serial No. 175,876; published Dec. 18, 1923.

Baldwin, Henry P., Ltd., doing business as Baldwin Packers, Lahaina, Hawaii. Canned pineapple. 180,687; Mar. 4; Serial No. 187,283; published Dec. 18, 1923.

Beck, Arthur, doing business as Arthur Beck Co., Not Inc., Chicago, Ill. Flavoring extracts for food purposes. 180,802; Mar. 4; Serial No. 146,196; published Dec. 11, 1923.

Bercamgar-Waggoner, Inc., Los Angeles, Calif. Canned fruits and vegetables. 180,531; Mar. 4; Serial No. 185,637; published Nov. 13, 1923.

Beller, A., & Company, New York, N. Y. Ladies' coats, capes, suits, and dresses. 180,707; Mar. 4; Serial No. 185,359; published Dec. 18, 1923.

Bender Company, The, Milwaukee, Wis. Working clothes for men and boys. 180,762; Mar. 4; Serial No. 184,633; published Dec. 11, 1923.

Bernard & Blanchard, Albany, N. Y. Salt. 180,774; Mar. 4; Serial No. 183,908; published Dec. 18, 1923.

Bethlehem Narrow Textiles Co., Bethlehem, Pa. Hosiery. 180,796; Mar. 4; Serial No. 187,194; published Dec. 18, 1923.

Benjamin Electric Manufacturing Company, Chicago, Ill. Plug sockets. 180,668; Mar. 4; Serial No. 186,385; published Dec. 4, 1923.

Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical plug clusters. 180,672; Mar. 4; Serial No. 186,582; published Dec. 4, 1923.

Bennett Rubber Co. Inc., Los Angeles, Calif. Boiler compound. 180,735; Mar. 4; Serial No. 183,729; published Dec. 18, 1923.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, and shirts. 180,639; Mar. 4; Serial No. 180,206; published Dec. 18, 1923.

Bertrenfeld, Irving, doing business as Field Laboratories, Erie, Pa. Hair tonic and restorer. 180,543; Mar. 4; Serial No. 183,135; published Dec. 11, 1923.

Berlin & Jones Company, Inc., New York, N. Y. Paper and stationery. 180,565; Mar. 4; Serial No. 176,782; published Dec. 11, 1923.

Bidelman, Mary E., doing business as Bidelman & Company, Fort Worth, Tex. Salve for treating insect bites and stings, etc. 180,629; Mar. 4; Serial No. 182,404; published Dec. 18, 1923.

Blake, Moffitt & Towne, San Francisco, Calif. Wrapping paper. 180,537; Mar. 4; Serial No. 187,286; published Dec. 11, 1923.

Blake, Moffitt & Towne, San Francisco, Calif. Greaseproof paper. 180,539; Mar. 4; Serial No. 187,292; published Dec. 11, 1923.

Blue Ridge Manufacturing Company, Incorporated, Alexandria, Va. Work shirts, trousers, and overalls. 180,652; Mar. 4; Serial No. 177,824; published Dec. 11, 1923.

Blue Ridge Manufacturing Company, Incorporated, Alexandria, Va. Work shirts, trousers, and overalls. 180,653; Mar. 4; Serial No. 177,822; published Dec. 11, 1923.

Bluford Specialty Co. (See Taylor, G. L.)

Boethling, William C., doing business as Maribe Co., Passaic, N. J. Tea for obesity. 180,739; Mar. 4; Serial No. 183,247; published Dec. 18, 1923.

Bonita Co., The, Fond du Lac, Wis. Candy. 180,767; Mar. 4; Serial No. 184,637; published Dec. 18, 1923.

Benwit Teller & Co., New York, N. Y. Corsets. 180,714; Mar. 4; Serial No. 185,741; published Dec. 11, 1923.

Borgfeldt, George, & Co., New York, N. Y. Toilet preparations. 180,569; Mar. 4; Serial No. 186,144; published Dec. 18, 1923.

Boston Electrolytic Oxygen Company, Everett, Mass. Oxygen and hydrogen gases. 180,674; Mar. 4; Serial No. 184,639; published Dec. 18, 1923.

Bradley, Milton, Company, Springfield, Mass. Crayons. 180,670–1; Mar. 4; Serial Nos. 186,437–8; published Dec. 11, 1923.

Bradley, Milton, Company, Springfield, Mass. Crayons. 180,674; Mar. 4; Serial No. 186,435; published Dec. 11, 1923.

Brandes, C., Inc., New York, N. Y. Loud-speaking telephones. 180,675; Mar. 4; Serial No. 185,915; published Dec. 4, 1923.

Branston, Chas. A., Inc., Buffalo, N. Y. Radio equipment. 180,806; Mar. 4.

Breyer-Sharpless Milk Association, Philadelphia, Pa. Pasteurized milk, buttermilk, cream. 180,810; Mar. 4.

Brower Candy Co., Atlanta, Ga. Ice-cream cones. 180,811; Mar. 4.

Brown, Henry O., doing business as H. O. Brown Company, Philadelphia, Pa. Pile remedy. 180,628; Mar. 4; Serial No. 182,397; published Dec. 18, 1923.

Burress, Roy J., doing business as E-Z Fluff Manufacturing Company, New York, N. Y. Meringue and icing powder. 180,741; Mar. 4; Serial No. 162,596; published Nov. 27, 1923.

Burgess, Zeph E., San Francisco, Calif. Massage and tissue creams, talcum powder, astringent, etc. 180,515; Mar. 4; Serial No. 185,954; published Dec. 18, 1923.

Burlington Overall Manufacturing Company, Kansas City, Mo. Overalls, work jackets, trousers, and shirts. 180,553; Mar. 4; Serial No. 162,373; published Feb. 18, 1923.

Burnham & Morrill Company, Portland, Me. Canned beans and pork, vegetables, and clams. 180,712; Mar. 4; Serial No. 185,557; published Dec. 18, 1923.

Capitol Chemical Co., Montpelier, Vt. External application for asthma, bronchitis, coughs, etc. 180,496; Mar. 4; Serial No. 185,562; published Dec. 11, 1923.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gas for heating, lighting, and power purposes. 180,530; Mar. 4; Serial No. 185,652; published Dec. 11, 1923.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Self-contained units for storing and supplying gas for heating, lighting, and power purposes. 180,791; Mar. 4; Serial No. 185,651; published Dec. 18, 1923.

Carman, Harriet J., Elkins Park, Pa. Face powders, face creams, perfumes, etc. 180,506; Mar. 4; Serial No. 185,410; published Dec. 11, 1923.

Carson Pirie Scott & Co., Chicago, Ill. Ladies' silk gloves. 180,703; Mar. 4; Serial No. 185,563; published Dec. 11, 1923.

Cash, Charles S., Inc., New York, N. Y. Nuts and glaced fruit candies. 180,525; Mar. 4.
Caulk, La D., Company, The, Milford, Del. Antiseptic and germicidal preparation for use as a mouth wash, gargle, etc. 180,497; Mar. 4; Serial No. 185,565; published Dec. 11, 1923.
Caulk, L. D., Company, The, Milford, Del. Medicated cream or ointment for use in the treatment of diseases and disorders of the skin and scalp. 180,507; Mar. 4; Serial No. 185,413; published Dec. 11, 1923.
Centemeri, P., & Co., New York, N. Y. Leather and fabric gloves. 180,719; Mar. 4; Serial No. 185,429; published Dec. 11, 1923.
Centemeri, P., & Co., New York, N. Y. Leather and fabric gloves. 180,783; Mar. 4; Serial No. 185,436; published Dec. 11, 1923.
Centemeri, P., & Co., New York, N. Y. Gloves, underwear, and hosiery. 180,784; Mar. 4; Serial No. 185,414; published Dec. 18, 1923.
Central Scientific Company, Chicago, Ill. Sulpho-chromic salts for making battery fluids. 180,498; Mar. 4; Serial No. 185,447; published Dec. 11, 1923.
Chapman, Charles C., Fullerton, Calif. Citrous fruits. 180,633; Mar. 4; Serial No. 181,377; published Dec. 18, 1923.
Chemical Paper Manufacturing Company, Holyoke, Mass. Ledger paper. 180,594; Mar. 4; Serial No. 187,712; published Dec. 18, 1923.
Chemical Paper Manufacturing Company, Holyoke, Mass. Light-weight writing and printing paper. 180,639; Mar. 4; Serial No. 187,713; published Dec. 18, 1923.
Chemical Treatment Company, New York, N. Y. Chemicals for the removal of sulphur, etc., from molten iron and other metals. 180,646; Mar. 4; Serial No. 176,602; published Dec. 18, 1923.
Chemosan Aktiengesellschaft, Vienna, Austria. Medicines and pharmaceutical preparations. 180,571; Mar. 4; Serial No. 184,233; published Dec. 4, 1923.
Christensen Machine Co., The, Racine, Wis. Signature-stitching and signature-feeding machines and printing machinery. 180,833; Mar. 4.
Clausen-Zoller Company, The, St. Louis, Mo. Urinary antiseptic. 180,728; Mar. 4; Serial No. 183,819; published Dec. 18, 1923.
Coffee Products Corporation, New York, N. Y. Coffee. 180,710; Mar. 4; Serial No. 187,463; published Dec. 18, 1923.
Cofield Laboratories, Inc., Philadelphia, Pa. Indigestion and dyspepsia remedies. 180,764; Mar. 4; Serial No. 184,324; published Dec. 18, 1923.
Cohn, Leon, doing business as Parfumerie Forest, Paris, France. Perfumes, toilet waters, face creams, etc. 180,624; Mar. 4; Serial No. 186,217; published Dec. 11, 1923.
Columbus Chemical Company, The, Columbus, Ohio. Salve for colds, catarrh, etc. 180,557; Mar. 4; Serial No. 165,746; published Dec. 4, 1923.
Columbus Chemical Company, The, Columbus, Ohio. Headache and neuralgia powders. 180,746; Mar. 4; Serial No. 165,747; published Dec. 18, 1923.
Consolidated Electric Company, Chicago, Ill. Electric fans. 180,667; Mar. 4; Serial No. 186,946; published Dec. 4, 1923.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, face and talcum powders, etc. 180,540; Mar. 4; Serial No. 180,107; published Dec. 11, 1923.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, and eau de Cologne. 180,654; Mar. 4; Serial No. 180,100; published Dec. 18, 1923.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, etc. 180,660; Mar. 4; Serial No. 180,104; published Dec. 18, 1923.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes. 180,661; Mar. 4; Serial No. 180,102; published Dec. 18, 1923.
Cowen, Bernard W., Corp., New York, N. Y. Packages or outfits containing materials for making lamp shades, telephone screens, etc. 180,747; Mar. 4; Serial No. 166,286; published Dec. 18, 1923.
Cowen, Bernard W., Corp., New York, N. Y. Packages or outfits containing materials for making lamp shades, night lights, etc. 180,748; Mar. 4; Serial No. 166,285; published Dec. 18, 1923.
Cowen, M. H., Manufacturing Company, assignor to Worthy Manufacturing Company, Chicago, Ill. Workingmen's shirts. 180,580; Mar. 4; Serial No. 168,452; published Dec. 18, 1923.
Crenshaw & Horne, Augusta, Ga. Preparation for use in the treatment of tuberculosis. 180,553; Mar. 4; Serial No. 183,820; published Dec. 4, 1923.
Deane Plaster Co., The, Yonkers, N. Y. Medicated and surgical plasters, court plasters, etc. 180,573; Mar. 4; Serial No. 170,970; published Dec. 18, 1923.
Delaware Garment Company, The, Delaware, Ohio. Play and school suits for boys and girls, and ladies' and men's knicker and outing suits. 180,756; Mar. 4; Serial No. 185,264; published Nov. 20, 1923.
De Soria, Roger, Cluny, France. Perfumes, toilet water, face and talcum powders, etc. 180,516; Mar. 4; Serial No. 185,961; published Dec. 11, 1923.
Dictograph Products Corporation, New York, N. Y. Telephonic head sets. 180,556; Mar. 4; Serial No. 165,967; published Dec. 4, 1923.
Diehl, Kane & Diehl Tailoring Co., Cincinnati, Ohio. Men's outer garments or clothing. 180,638; Mar. 4; Serial No. 179,784; published Dec. 18, 1923.
Diem & Wing Paper Co., The, Cincinnati, Ohio. Wrapping paper. 180,589; Mar. 4; Serial No. 187,565; published Dec. 18, 1923.
Dill & Collins Co., Philadelphia, Pa. Printing and writing papers. 180,595; Mar. 4; Serial No. 187,606; published Dec. 18, 1923.
Distillator, H. L., & Son, Inc., New York, N. Y. Ladies' hats. 180,715; Mar. 4; Serial No. 186,221; published Dec. 11, 1923.
Domino House. (See Sullivan, Marguerite, assignor.)
Dornaus, Ernest E., Oklahoma City, Okla. Wedges. 180,637; Mar. 4; Serial No. 178,235; published Dec. 18, 1923.
Dyas, Bernal H., Los Angeles, Calif. Portable ninepin game. 180,709; Mar. 4; Serial No. 187,376; published Dec. 18, 1923.
E-Z Fluff Manufacturing Company. (See Burgess, Roy J.)
Easton, Henry P., jr., doing business as Easton Odor-Lue Co., Denver, Colo. Odor-preventing preparation. 180,602; Mar. 4; Serial No. 186,858; published Dec. 11, 1923.
Economy Fuse and Manufacturing Company, Chicago, Ill. Electrical fuses. 180,677; Mar. 4; Serial No. 186,318; published Dec. 4, 1923.
Ellerson, Henry W., doing business as Atlantic Blotting Paper Mills Co., Richmond, Va. Blotting paper. 180,680; Mar. 4; Serial No. 185,820; published Dec. 11, 1923.
Erbjus Remedy Company, The. (See Walton, T. G., Company.)
Falkenwalde, Oscar, doing business as The O. F. Oil Burner Company, Baltimore, Md. Asphalt melter. 180,789; Mar. 4; Serial No. 186,180; published Dec. 18, 1923.
Farbenfabriken, vormals Friedr. Bayer & Co., Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Pharmaceutical products. 24,722; renewed May 15, 1924.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Remedy for enteric disturbances. 180,532; Mar. 4; Serial No. 185,573; published Dec. 11, 1923.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Expectorant for the treatment of acute and chronic affections of the lungs. 180,533; Mar. 4; Serial No. 185,574; published Dec. 11, 1923.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Agents against parasitic and nonparasitic skin diseases. 180,600; Mar. 4; Serial No. 186,004; published Dec. 18, 1923.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Anaesthetics. 180,610; Mar. 4; Serial No. 186,008; published Dec. 18, 1923.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Agents against exhaustion. 180,618; Mar. 4; Serial No. 186,005; published Dec. 18, 1923.
Faxon & Gallagher Drug Co., Kansas City, Mo. Liniment. 180,523; Mar. 4; Serial No. 185,575; published Dec. 11, 1923.
Ferguson, Weinberg & Rose, Chicago, Ill. Ready-made women's apparel. 180,641; Mar. 4; Serial No. 177,662; published Dec. 18, 1923.
Ferran Clua, Jaime, Barcelona, Spain. Medicinal preparation. 180,744; Mar. 4; Serial No. 165,914; published Dec. 18, 1923.
Ferris and Company Limited, Bristol, England. Throat and voice antiseptics and stimulants. 180,502; Mar. 4; Serial No. 182,743; published Dec. 18, 1923.
56th St. Quality Bakery. (See Garlick, Charles.)
Finlayson Flax Spinning Co., The. (See Linen Thread Company.)
Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires and rubber tubes therefor. 180,727; Mar. 4; Serial No. 183,794; published Dec. 18, 1923.
Fitger Company, The, Duluth, Minn. Chocolate creams. 180,613; Mar. 4; Serial No. 171,166; published Dec. 11, 1923.
Floralea Creme Co. (See Nelson, Mrs. Jane.)
Fontoia Medicine Co., Fort Smith, Ark. Tonic for treating anemia, low vitality, etc. 180,773; Mar. 4; Serial No. 183,912; published Dec. 18, 1923.
Forcier, Joseph, doing business as Joseph Forcier & Co., New Bedford, Mass. Ointment for piles, corns, burns, etc. 180,754; Mar. 4; Serial No. 169,896; published Dec. 18, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,599; Mar. 4; Serial No. 186,996; published Dec. 25, 1923.
Fox River Paper Company, Appleton, Wis. Writing paper. 180,596; Mar. 4; Serial No. 187,617; published Dec. 18, 1923.
Frances, Edith. (See Gallagher, James T.)
Fried. Ostermann Company, Milwaukee, Wis. Leather coats and vests. 180,797; Mar. 4; Serial No. 187,104; published Dec. 18, 1923.

Froehlich, Robert M., doing business as Dr. Robert M. Froehlich, New York, N. Y. Raw materials and essential oils for manufacturing hair tonics, etc. 180,656; Mar. 4; Serial No. 179,529; published Nov. 20, 1923.
Frohlichstein, Harvey, St. Louis, Mo. Children's and infants' wearing apparel. 180,664; Mar. 4; Serial No. 182,796; published Dec. 11, 1923.
Gallagher, James T., doing business as Edith Frances, Miami, Fla. Lemon vanishing cream, foundation cream, emollient cream, etc. 180,753; Mar. 4; Serial No. 174,240; published Dec. 18, 1923.
Garlick, Charles, doing business as 56th St. Quality Bakery, Philadelphia, Pa. Bread. 180,650; Mar. 4; Serial No. 178,605; published Dec. 18, 1923.
Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 180,515; Mar. 4.
Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 180,520–1; Mar. 4.
General Laboratories, Madison, Wis. Preparations used for the prevention and treatment of germ diseases. 180,606; Mar. 4; Serial No. 181,885; published Dec. 18, 1923.
Gerla, M., & Son, New York, N. Y. Dresses, coats, suits, waists, sweaters, hosiery, etc. 180,780; Mar. 4; Serial No. 185,119; published Dec. 18, 1923.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions, powders, creams, waters, sachets, etc. 180,519–20; Mar. 4; Serial Nos. 185,698–9; published Dec. 11, 1923.
Gimenes y Moreno, Alfredo, Bayamon, P. R., Medicine for the treatment of tuberculosis. 180,579; Mar. 4; Serial No. 160,137; published Dec. 18, 1923.
Goldenberg's, Washington, D. C. Earthenware, china, and porcelain plates, table and kitchen ware. 180,707; Mar. 4; Serial No. 170,644; published Dec. 25, 1923.
Goag Bell Manufacturing Company, The, East Hampton, Conn. Toys. 180,803; Mar. 4.
Goughnour & Shields, Des Moines, Iowa. Tooth paste. 180,552; Mar. 4; Serial No. 184,909; published Dec. 18, 1923.
Gould, Geo. H., & Son, Louisville, Ky. Perfume suitable for driving off mosquitoes or similar insects. 180,499; Mar. 4; Serial No. 185,457; published Dec. 11, 1923.
Green, Ada, St. Louis, Mo. Pile remedy. 180,611; Mar. 4; Serial No. 172,089; published Dec. 11, 1923.
Grout, Harry K., doing business as H. K. Grout & Co., Cedar Rapids, Iowa. Underwear for women and children. 180,751; Mar. 4; Serial No. 184,725; published Dec. 18, 1923.
"H. W." Company, The, St. Louis, Mo. Medicinal remedy for the treatment and prevention of cholera, etc., in poultry and pigeons. 180,761; Mar. 4; Serial No. 184,447; published Dec. 18, 1923.
Hance Brothers & White Incorporated, doing business as Marshall-King Laboratories, Philadelphia, Pa. Nutrient tonic. 180,495; Mar. 4; Serial No. 185,514; published Dec. 11, 1923.
Harding, Mabel, doing business as Karavan Packing Co., Philadelphia, Pa. Canned goods, jam, olive oil, olives. 180,903; Mar. 4; Serial No. 164,912; published Dec. 11, 1923.
Harness, Fredrick A., Kellogg, Idaho. Salve for itch, sores, eczema, etc. 180,615; Mar. 4; Serial No. 186,128; published Dec. 18, 1923.
Havis Limited. (See Smith, Richard, assignor.)
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,662; Mar. 4; Serial No. 183,028; published Dec. 18, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,663; Mar. 4; Serial No. 182,802; published Dec. 18, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,736; Mar. 4; Serial No. 183,287; published Dec. 18, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,776; Mar. 4; Serial No. 183,032; published Dec. 18, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,778; Mar. 4; Serial No. 183,476; published Dec. 18, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 180,779; Mar. 4; Serial No. 183,031; published Dec. 18, 1923.
Heckler Bros., Pittsburgh, Pa. Furnaces, stoves, and ranges. 180,631; Mar. 4.
Heimbach Baking Company, The, Allentown, Pa. Bread. 180,657; Mar. 4; Serial No. 179,270; published Dec. 18, 1923.
Heller, B., & Company, Chicago, Ill. Extracts, flavors, seasonings, etc. 180,813; Mar. 4.
Hester, George A., Bellaire, N. Y. Preservative for pound and trap nets. 180,700; Mar. 4; Serial No. 186,231; published Dec. 11, 1923.
Hibben, John H., Dry Goods Co., The, Cincinnati, Ohio. Muslins, sheeting, sheets, tickings, etc. 180,605; Mar. 4; Serial No. 186,505; published Dec. 18, 1923.
Hicks & Johnson, Columbus, Ga. Pharmaceutical preparation. 180,616; Mar. 4; Serial No. 186,057; published Dec. 18, 1923.
Hits-It M'f'g Co., Camden, N. J. Insecticide. 180,623; Mar. 4; Serial No. 186,129; published Dec. 18, 1923.
Hodes Mills Inc., New York, N. Y. Men's and boys' knitted and textile athletic underwear. 180,723; Mar. 4; Serial No. 184,451; published Dec. 18, 1923.
Hodes Mills Inc., New York, N. Y. Knitted and textile athletic underwear. 180,725; Mar. 4; Serial No. 184,452; published Dec. 18, 1923.
Hoechstetter, Max S., Pittsburgh, Pa. Toilet lotion for chapped hands and face. 180,658; Mar. 4; Serial No. 181,599; published Dec. 18, 1923.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 180,606; Mar. 4; Serial No. 186,372; published Dec. 18, 1923.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 180,607; Mar. 4; Serial No. 186,374; published Dec. 18, 1923.
Holstein-Friesian Association of America, Chicago, Ill. Milk, cream, buttermilk, butter, and cheese. 180,781; Mar. 4; Serial No. 183,973; published Dec. 18, 1923.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 180,494; Mar. 4; Serial No. 185,463; published Dec. 11, 1923.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 180,500–2; Mar. 4; Serial Nos. 185,460–2; published Dec. 11, 1923.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face and talcum powders, etc. 180,550–1; Mar. 4; Serial Nos. 184,910–11; published Dec. 18, 1923.
Hudnut, Richard, New York, N. Y. Talcum, face powder, bath salts, sachet, etc. 180,517; Mar. 4; Serial No. 185,969; published Dec. 18, 1923.
Hudnut, Richard, New York, N. Y. Sachet, tooth powder, cold cream, etc. 180,620; Mar. 4; Serial No. 186,188; published Dec. 11, 1923.
Hudnut, Richard, New York, N. Y. Sachet, tooth powder, cold cream, etc. 180,625–6; Mar. 4; Serial Nos. 186,190–1; published Dec. 11, 1923.
Huebner, Arthur F., Bay City, Mich. Knit goods in the piece. 180,702; Mar. 4; Serial No. 176,845; published Dec. 25, 1923.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 180,711; Mar. 4; Serial No. 187,463; published Dec. 18, 1923.
Ingram, Mrs. E. W., Peoria, Ill. Complexion cream. 180,734; Mar. 4; Serial No. 183,654; published Dec. 18, 1923.
Ipswich Mills, Boston, Mass. Hosiery. 180,757; Mar. 4; Serial No. 172,334; published Sept. 18, 1923.
Jackson-Rogers Company, The, Brooklyn, N. Y. Shampoo for the hair. 180,514; Mar. 4; Serial No. 185,871; published Dec. 11, 1923.
Jenkins Drug Company, Bryan, Tex. Medicine for diseases of the stomach, blood, etc. 180,566; Mar. 4; Serial No. 175,196; published Dec. 4, 1923.
Jewell, Fred M., doing business as Jewell Models for Biology, Carlinville, Ill. Biological models. 180,812; Mar. 4.
Johnson, Edward S., Wellesley Hills, Mass. Bath salts. 180,697; Mar. 4; Serial No. 186,236; published Dec. 11, 1923.
Jones, George, & Sons, Limited, Stoke-upon-Trent, England. China and earthenware. 180,705; Mar. 4; Serial No. 149,139; published Dec. 18, 1923.
Jones, Vess, doing business as Whis Company, New York, N. Y. Beverages sold as soft drinks and sirups for making same. 180,716; Mar. 4; Serial No. 186,380; published Dec. 18, 1923.
Jones, William H., Marion, Ind. Stucco. 180,828; Mar. 4.
Jordeau, Jean, Inc., South Orange, N. J., and New York, N. Y. Depilatory. 180,521; Mar. 4; Serial No. 185,709; published Dec. 11, 1923.
Karavan Packing Co. (See Harding, Mabel.)
Kell Milling Company, Vernon, Tex. Hard-wheat flour. 180,659; Mar. 4; Serial No. 181,127; published Dec. 18, 1923.
Kimble, Mary A., New Orleans, La. Medicated health tonic used in the treatment of kidney diseases, etc. 180,647; Mar. 4; Serial No. 176,481; published Dec. 18, 1923.
Kielgaard, Gregers G. B., Hoosick Falls, N. Y. Swimming apparatus. 180,704; Mar. 4; Serial No. 187,822; published Dec. 18, 1923.
Klotz Silk Manufacturing Co., Inc., Clifton, N. J. Broad-silk fabrics. 180,642; Mar. 4.
Kohler Company, Kohler, Wis. Enameled ironware. 180,807; Mar. 4.
Lageman, Clemens, doing business as H. Trommsdorff, Aix-la-Chapelle, Germany. Medical and pharmaceutical compounds and chemicals. 180,755; Mar. 4; Serial No. 172,067; published Dec. 18, 1923.
Lakeside Biscuit Co., The, Toledo, Ohio, and Detroit, Mich. Sugar wafers, cookies, biscuits. 180,545; Mar. 4; Serial No. 182,313; published Nov. 20, 1923.
Lally Column Company, Cambridge, Mass. Building columns, tubing. 180,522; Mar. 4.
Lam-Te Mfg. Co., Oklahoma City, Okla. Cosmetics. 180,582; Mar. 4; Serial No. 166,837; published Dec. 18, 1923.
Lance Coupler Company, Lancaster, Pa. Varioconplers. 180,534; Mar. 4; Serial No. 187,109; published Dec. 4, 1923.
Lasburgh & Bro. Inc., Washington, D. C. Table and kitchen ware, etc. 180,814; Mar. 4.
Larus & Brother Company, Richmond, Va. Smoking tobacco. 180,799; Mar. 4; Serial No. 187,226; published Dec. 25, 1923.

La Valliere Co., The, New Orleans, La. Toilet deodorant. 180,770; Mar. 4; Serial No. 183,980; published Dec. 18, 1923.
Le Baur Importing Co. (See Samson, Arthur M.)
Lecaron et Fils, assignor to Lecaron Fils, Paris, France. Perfumed toilet preparations. 23,977; renewed Jan. 2, 1924.
Leonard Seed Company, Chicago, Ill. Seeds, onion sets, and bulbs. 180,792; Mar. 4; Serial No. 185,525; published Dec. 18, 1923.
Lewis, J. P., Company, Beaver Falls, N. Y. Ticket bristol. 180,562; Mar. 4; Serial No. 168,474; published Dec. 11, 1923.
Life Medicine Company. (See Sharrow, Geo. C.)
Lindreth Brothers, Brooklyn, N. Y. Candies, bonbons, ice creams, and water ices. 180,819; Mar. 4.
Linen Thread Company, The, also doing business as The Finlayson Flax Spinning Co., Boston, Mass. Linen thread. 180,706; Mar. 4; Serial No. 160,711; published Dec. 25, 1923.
Logan, Robert W., Fort Smith, Ark. Lung medicine. 180,738; Mar. 4; Serial No. 183,038; published Dec. 18, 1923.
Logan, Robert W., Fort Smith, Ark. Blood medicine. 180,777; Mar. 4; Serial No. 183,037; published Dec. 18, 1923.
Lorraine Manufacturing Company, Pawtucket, R. I. Cotton, wool, and silk goods. 180,823; Mar. 4.
Lorraine Manufacturing Company, Pawtucket, R. I. Cotton and cotton and silk goods. 180,824; Mar. 4.
Los Angeles Knitting Company, Los Angeles, Calif. Sweater coats, jerseys, bathing suits, etc. 180,590; Mar. 4; Serial No. 174,968; published Dec. 18, 1923.
Los Angeles Knitting Company, Los Angeles, Calif. Sweater coats, jerseys, bathing suits, and scarfs. 180,594; Mar. 4; Serial No. 174,967; published Dec. 18, 1923.
Lubricant Laxatives Corporation, The, Chicago, Ill. Emulsion of liquid paraffin. 180,612; Mar. 4; Serial No. 185,976; published Dec. 18, 1923.
Macdonald, David B., Leicester, England. Boots, shoes, and slippers and their components. 180,720; Mar. 4; Serial No. 184,037; published Dec. 18, 1923.
Maison Gerry, Inc., New York, N. Y. Toilet preparations. 180,559; Mar. 4; Serial No. 174,138; published Dec. 4, 1923.
Maison Maurice, Inc., New York, N. Y. Women's and misses' hats, dresses, coats, wraps, and capes. 180,795; Mar. 4; Serial No. 186,481; published Dec. 18, 1923.
Mallinson, H. R., & Co., Inc., New York, N. Y. Silk piece goods. 180,596; Mar. 4; Serial No. 186,559; published Dec. 18, 1923.
Mariba Co. (See Boethling, William C.)
Marshall-King Laboratories. (See Hance Brothers & White, Incorporated.)
Marshuetz, Leo J., doing business as Marshuetz & Company, Montgomery, Ala. Cotton cloth in the piece. 180,701; Mar. 4; Serial No. 171,133; published Dec. 18, 1923.
Mar-Son Medicine Co., St. Louis, Mo. Tooth paste for the treatment and prevention of pyorrhea. 180,729; Mar. 4; Serial No. 183,844; published Dec. 18, 1923.
McClure, C. W., Atlanta, Ga. Foods. 180,631; Mar. 4; Serial No. 182,142; published Dec. 18, 1923.
McDaniel & Co., Atlanta, Ga. Salt. 180,841; Mar. 4.
Medico-Dental Specialty Co., San Diego, Calif. Preparation for the treatment of pyorrhea alveolaris. 180,526; Mar. 4; Serial No. 185,605; published Dec. 11, 1923.
Medico-Dental Specialty Co., San Diego, Calif. Tooth-stain remover. 180,718; Mar. 4; Serial No. 185,344; published Dec. 18, 1923.
Medoc Company, Milwaukee, Wis. Medicinal preparation. 180,564; Mar. 4; Serial No. 177,237; published Dec. 4, 1923.
Mello-Derma Company. (See Van Gesen, James H.)
Memphis Drug Company, Inc., The, Memphis, Tenn. Perfumes, toilet water, face powder, etc. 180,563; Mar. 4; Serial No. 183,892; published Dec. 18, 1923.
Meuner, William, Newark, N. J. Ointments and plasters for healing wounds, cuts, etc. 180,542; Mar. 4; Serial No. 177,311; published Dec. 11, 1923.
Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 180,830; Mar. 4.
Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 180,834; Mar. 4.
Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 180,835; Mar. 4.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., piece goods. 180,601; Mar. 4; Serial No. 187,688; published Mar. 4, 1924.
Milliken, Tomlinson Co., Portland, Me. Coffee, tea, chocolate, molasses, etc. 180,614; Mar. 4; Serial No. 180,514; published Dec. 18, 1923.
Minetti, Elinor V., San Francisco, Calif. Sweets and relishes. 180,624; Mar. 4; Serial No. 182,217; published Dec. 18, 1923.
Monsarrat Brothers Coal Co., The, Columbus, Ohio. Coal. 180,788; Mar. 4; Serial No. 185,873; published Dec. 18, 1923.
Morana, Incorporated, New York, N. Y. Essential oils suitable for the production of perfumes. 180,661; Mar. 4; Serial No. 185,129; published Dec. 4, 1923.
Morana, Incorporated, New York, N. Y. Essential oils suitable for the production of perfumes. 180,662-5; Ma. 4; Serial No. 185,130-3; published Dec. 4, 1923.
Morton Brothers Inc., New York, N. Y. Upholstery and drapery textile fabrics of wool, silk, etc. 180,690; Mar. 4; Serial No. 187,586; published Dec. 25, 1923.
Mosse-Rothchild Co., Incorporated, Louisville, Ky. Men's and youths' coats, vests, trousers, and overcoats. 180,537; Mar. 4; Serial No. 187,228; published Dec. 18, 1923.
Moyer Bros., Chicago, Ill. Pretzels. 180,549; Mar. 4; Serial No. 183,311; published Dec. 18, 1923.
Munsell, Jesse G., doing business as Munsell's Supply Company and Munsell's School of Health, Lincoln, Nebr. Tablets for food purposes only. 180,635; Mar. 4; Serial No. 181,765; published Dec. 18, 1923.
Mu-Rad Laboratories, Inc., Asbury Park, N. J. Radiotelephone receiving loops, radiofrequency transformers, etc. 180,679; Mar. 4; Serial No. 185,665; published Dec. 4, 1923.
Nardi Magazine Pencil Co., Camden, N. J. Pencils. 180,500; Mar. 4; Serial No. 172,428; published Dec. 11, 1923.
National Carbide Corporation, New York, N. Y. Calcium carbide. 180,829; Mar. 4.
National Fruit Product Company, Inc., Alexandria, Va. Fresh apples. 180,706; Mar. 4; Serial No. 186,388; published Dec. 18, 1923.
National Lock Washer Company, The, Newark, N. J. Sash locks. 180,837; Mar. 4.
Navelencia Fruit Growers, Navelencia, Calif. Fresh grapes. 180,782; Mar. 4; Serial No. 184,618; published Dec. 18, 1923.
Nelson, Mrs. Jane, doing business as Floralea Creme Co., San Antonio, Tex. Cold cream. 180,591; Mar. 4; Serial No. 182,716; published Dec. 18, 1923.
Newtown Giant Incubator Corporation, Harrisonburg, Va. Incubators, brooders, trap nests, etc. 180,763; Mar. 4; Serial No. 184,254; published Dec. 18, 1923.
Niagara Shoe Company, Inc., Buffalo, N. Y. Shoes. 180,826; Mar. 4.
Nizer Corporation, Detroit, Mich. Refrigerating units, refrigerators, etc. 180,588; Mar. 4; Serial No. 187,488; published Dec. 18, 1923.
Northwestern Bakers & Confectioners Co., Minneapolis, Minn. Baking powder, bicarbonate of soda, carbonic powder, etc. 180,568; Mar. 4; Serial No. 181,855; published Dec. 4, 1923.
Norwich Wire Works, Inc., Norwich, N. Y. Game traps. 180,730; Mar. 4; Serial No. 183,848; published Dec. 18, 1923.
O. F. Oil Burner Company, The. (See Falkenwalde, Oscar.)
Opera Omnia Limited, London, England. Face cream, toilet water, shampoo powder, etc. 180,627; Mar. 4; Serial No. 182,220; published Dec. 18, 1923.
Osborn Paper Company, Marion, Ind. Writing and school tablets, composition books, etc. 180,690; Mar. 4; Serial No. 187,764; published Dec. 18, 1923.
Pabst Corporation, Milwaukee, Wis. General medicinal tonic. 180,630; Mar. 4; Serial No. 182,112; published Dec. 18, 1923.
Pabst Corporation, Milwaukee, Wis. General medicinal tonic. 180,636; Mar. 4; Serial No. 182,111; published Dec. 18, 1923.
Pabst Corporation, Milwaukee, Wis. Beer. 180,818; Mar. 4.
Parfumerie Anthemys (S. A.), Cauderan, France. Dentifrices. 180,606; Mar. 4; Serial No. 168,780; published Dec. 11, 1923.
Parfumerie Forest. (See Cohn, Leon.)
Parke, Davis & Company, Detroit, Mich. Dentifrice, cold cream, vanishing skin cream, and skin lotion. 180,567; Mar. 4; Serial No. 183,851; published Dec. 18, 1923.
Parke, Davis & Company, Detroit, Mich. Immunizing agents. 180,622; Mar. 4; Serial No. 186,151; published Dec. 18, 1923.
Partridge, Singer & Baldwin, Inc., Wilmington, Del., and New York, N. Y. Automobile transmissions. 180,742; Mar. 4; Serial No. 160,200; published Oct. 16, 1923.
Pheno-Bane Products Company, St. Louis, Mo. Insecticide. 180,575; Mar. 4; Serial No. 186,153; published Dec. 18, 1923.
Pheno-Lyptol Co., The, Toyah, Tex. Ointment for the treatment of catarrh, colds, burns, etc. 180,561; Mar. 4; Serial No. 174,635; published Dec. 18, 1923.
Phillips, Sidney M., doing business as Phillips Milling Co., Sacramento, Cal. Waffle and pancake flour. 180,827; Mar. 4.
Philippe, Louis, New York, N. Y. Perfumes, toilet waters, face powders, face creams, and rouge. 180,721; Mar. 4; Serial No. 184,095; published Dec. 18, 1923.
Phoenix Drug Store. (See Allen, Samuel L.)
Photoplating Company, The, Minneapolis, Minn. Designs and photographs on glass and metal. 180,752; Mar. 4; Serial No. 186,536; published Dec. 18, 1923.
Physio-Chemical Laboratories, Inc., Salt Lake City, Utah. Granular effervescing salt compound. 180,758; Mar. 4; Serial No. 173,672; published Dec. 18, 1923.
Pittsburgh Provision and Packing Company. (See Winter, Emil, Company, assignor.)
Pittsburgh Transformer Company, Pittsburgh, Pa. Casings for electrical transformers. 180,809; Mar. 4.

Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 180,749; Mar. 4; Serial No. 169,322; published Nov. 7, 1922.
Polansky, Arpad, Douglastown, N. Y. Cosmetic powder and rouge. 180,541; Mar. 4; Serial No. 177,324; published Dec. 11, 1923.
Pompeian Mfg. Company, The, Cleveland, Ohio. Face powder and cream. 180,619; Mar. 4; Serial No. 186,026; published Dec. 18, 1923.
Pond's Extract Company, New York, N. Y. Cold cream. 180,511; Mar. 4; Serial No. 185,377; published Dec. 11, 1923.
Pond's Extract Company, New York, N. Y. Vanishing cream. 180,503; Mar. 4; Serial No. 185,378; published Dec. 11, 1923.
Pure Products Syrup Corporation, New York, N. Y. Beverage sold as soft drink and sirup for making the same. 180,816; Mar. 4.
R & W Hat Shop, Inc., Norwalk, Conn. Hats. 180,713; Mar. 4; Serial No. 185,673; published Dec. 11, 1923.
Radio Condenser Co., Camden, N. J. Electrical condensers. 180,669; Mar. 4; Serial No. 186,856; published Dec. 4, 1923.
Reid, Murdoch, & Co., Chicago, Ill. Canned fruits and fruit preserves, canned vegetables, etc. 180,558; Mar. 4; Serial No. 163,176; published Nov. 20, 1923.
Reith, Charlotte E., Carthage, Mo. Outer suits of cloth and leather. 180,756; Mar. 4; Serial No. 172,122; published May 29, 1923.
Remick, George E., doing business as Remlock Hills Laboratory, Denver, Colo. Asthma treatment. 180,655; Mar. 4; Serial No. 180,081; published Dec. 18, 1923.
Remiller Co., The, New York, N. Y. Lip rouge. 180,690; Mar. 4; Serial No. 186,292; published Dec. 11, 1923.
Remlock Hills Laboratory. (See Remick, George E.)
Renard, Henry L., Philadelphia, Pa. Insecticides and fungicides. 180,771; Mar. 4; Serial No. 183,993; published Dec. 18, 1923.
Rogers, John A., Yonkers, N. Y. Preparation for hair restoring and growing. 180,570; Mar. 4; Serial No. 183,891; published Dec. 18, 1923.
Romano, Jacques, New York, N. Y. Massage cream. 180,765; Mar. 4; Serial No. 184,295; published Dec. 18, 1923.
Roosa & Ratliff Chemical Co., The, also doing business as Roosa & Ratliff Perfume Co., Cincinnati, Ohio. Perfume, cold cream, hair oil, shampoo, etc. 180,527; Mar. 4; Serial No. 185,621; published Dec. 11, 1923.
Ross, Charles F., New York, N. Y. Healing salve. 180,548; Mar. 4; Serial No. 183,454; published Dec. 18, 1923.
Samson, Arthur M., doing business as Le Baur Importing Co., New Orleans, La. Essence of perfume extracts, poudre adherent (face powder), cleansing cream, etc. 180,546; Mar. 4; Serial No. 180,342; published Nov. 27, 1923.
Sands & Ross, Inc., New York, N. Y. Aniline dye soluble in water employed as bluing. 180,695; Mar. 4; Serial No. 186,447; published Dec. 11, 1923.
San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 180,642-3; Mar. 4; Serial Nos. 177,869-70; published Dec. 18, 1923.
Schadt Brothers, Allentown, Pa. Foot powder, stomach regulator, corn remover, etc. 180,745; Mar. 4; Serial No. 165,763; published Dec. 18, 1923.
Schramm-Johnson Drugs, Salt Lake City, Utah. Hair dressing, bath salts, almond-meal cream, etc. 180,743; Mar. 4; Serial No. 143,666; published Dec. 18, 1923.
Scott's Preparations, Inc., New York, N. Y. Beauty clay, face finish and powder, cold and vanishing creams. 180,621; Mar. 4; Serial No. 186,161; published Dec. 11, 1923.
Sea Coast Packing Co., Seattle, Wash. Canned salmon. 180,750; Mar. 4; Serial No. 168,648; published Dec. 18, 1923.
Sears, Roebuck and Co., Chicago, Ill. Fountain pens. 180,588; Mar. 4; Serial No. 187,136; published Dec. 11, 1923.
Seltser, Samuel, doing business as Seltser & Rydholm, Inc., Auburn, Me. Beverages sold as soft drinks. 180,648; Mar. 4; Serial No. 176,101; published Dec. 18, 1923.
Sexauer, J. A., Mfg. Co. Inc., New York, N. Y. Waste-pipe cleaner. 180,572; Mar. 4; Serial No. 184,872; published Dec. 18, 1923.
Sharrow, Geo. C., doing business as Life Medicine Company, Columbus, Ohio. Medicine for the stomach, liver, kidneys, and bowels. 180,722; Mar. 4; Serial No. 184,805; published Dec. 18, 1923.
Sheehan, Jeremiah, Providence, R. I. Preparation for the treatment of piles. 180,617; Mar. 4; Serial No. 186,028; published Dec. 18, 1923.
Shepard Norwell Company, Boston, Mass. Boots, shoes, and slippers. 180,577; Mar. 4; Serial No. 172,187; published Apr. 10, 1923.
Shepardson, Merton A., doing business as Shepardson Extract Co., Springfield, Mass. Pure flavoring extracts, imitation flavoring extracts, paste vanillas, etc. 180,804; Mar. 4; Serial No. 159,623; published Dec. 11, 1923.
Shotwell Mfg. Co., The, Chicago, Ill. Chocolate-covered candy bar. 180,800; Mar. 4; Serial No. 158,698; published Dec. 11, 1923.
Sig Chemical Co. (See Tomacelli, Maria.)
Smith, M. E., & Co., Inc., Omaha, Nebr. Dress aprons. 180,793; Mar. 4; Serial No. 186,068; published Dec. 18, 1923.
Smith, Pete, & Son, Cornucopia, Oreg. Preparation for use in the treatment of coughs and colds. 180,613; Mar. 4; Serial No. 184,991; published Dec. 18, 1923.
Smith, Richard, Macclesfield, assignor to Havis Limited, London, England. Bread, biscuit, and fancy cakes. 23,758; renewed Nov. 7, 1923.
Smith, Robert H., Lewisburg, Tenn. Maltless sirups for carbonated beverages. 180,760; Mar. 4; Serial No. 184,427; published Dec. 18, 1923.
Societe Anonyme Parfumerie Violet, Paris, France. Perfumes, toilet waters, face powders, etc. 180,569; Mar. 4; Serial No. 178,145; published Dec. 18, 1923.
Societe Francaise de Recherches et Applications Scientifiques, Paris, France. Remedy for treatment of fainting fits, etc. 180,768; Mar. 4; Serial No. 184,188; published Dec. 18, 1923.
Societe Francaise de Recherches et Applications Scientifiques, Paris, France. Preparation for gastro-intestinal diseases. 180,769; Mar. 4; Serial No. 184,189; published Dec. 18, 1923.
Societe Guerlain, Paris, France. Perfumes. 180,554; Mar. 4; Serial No. 183,769; published Dec. 18, 1923.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical and pharmaceutical preparation. 180,691; Mar. 4; Serial No. 186,298; published Dec. 18, 1923.
Society of Chemical Industry in Basle, Basel, Switzerland. Chemical and pharmaceutical preparation. 180,693; Mar. 4; Serial No. 186,395; published Dec. 18, 1923.
Spongette Pure Food Company, Inc., Pittsburgh, Pa. Confectionery. 180,651; Mar. 4; Serial No. 178,478; published Dec. 18, 1923.
Springbrook Canning Company, Springbrook, Oreg. Canned fruits and berries. 180,508; Mar. 4; Serial No. 185,055; published Dec. 18, 1923.
Standard Oil Company of Louisiana, Baton Rouge, La. Leather and harness oils and belt dressing. 180,843; Mar. 4.
Starr Fruit Products Co., Portland, Oreg. Canned fruits and berries. 180,688; Mar. 4; Serial No. 187,356; published Dec. 18, 1923.
Stavros, James E., West Orange, N. J. Medicine for dissolving gallstones. 180,510; Mar. 4; Serial No. 185,322; published Dec. 11, 1923.
Stifel, J. L., & Sons, Wheeling, W. Va. Printed cotton cloth. 180,604; Mar. 4; Serial No. 186,487; published Dec. 18, 1923.
Stoner, Winifred S., New York, N. Y. Powder for cleaning and softening the skin. 180,573; Mar. 4; Serial No. 184,603; published Dec. 18, 1923.
Stothart's Drug Store, Augusta, Ga. Remedy for dyspepsia and indigestion. 180,547; Mar. 4; Serial No. 183,542; published Dec. 18, 1923.
Sullivan, Marguerite, assignor to Domino House, Philadelphia, Pa. Vanishing cream. 180,787; Mar. 4; Serial No. 183,419; published Dec. 18, 1923.
Sun Zone Company, Paris, Ky. Liniment. 180,528; Mar. 4; Serial No. 185,767; published Dec. 11, 1923.
Superior Chemical Company, Chicago, Ill. Chemical heat bags. 180,772; Mar. 4; Serial No. 183,998; published Dec. 18, 1923.
Supplee-Wills-Jones Milk Company, Philadelphia, Pa. Raw milk and cream, ice cream, etc. 180,740; Mar. 4; Serial No. 163,473; published Dec. 18, 1923.
Taiyo Trading Company, Inc., New York, N. Y. Canned crab meat. 180,665; Mar. 4; Serial No. 182,274; published Dec. 18, 1923.
Tappan Stove Co., The, Mansfield, Ohio. Gas and coal ranges and stoves. 180,561; Mar. 4; Serial No. 169,880; published Dec. 4, 1923.
Taylor, G. L., doing business as Bluford Specialty Co., Bluford, Ill. Dental cream, face powder, hand softener, etc. 180,678; Mar. 4; Serial No. 185,192; published Dec. 4, 1923.
Tetlow, Clara, doing business as Tetlow Manufacturing Co., Philadelphia, Pa. Talcum powders. 180,782; Mar. 4; Serial No. 183,422; published Dec. 18, 1923.
Thacher Medicine Company, Chattanooga, Tenn. Tonic for female use. 180,694; Mar. 4; Serial No. 186,398; published Dec. 18, 1923.
Thomas, E. M., Bessemer, Ala. Medicine for rheumatism, indigestion, etc. 180,686; Mar. 4; Serial No. 184,875; published Dec. 18, 1923.
Tilghman, William G., assignor to Ackerman-Stewart Drug Co., Palatka, Fla. Condition powders. 24,756; renewed May 22, 1924.
Tomacelli, Maria, doing business as Sig Chemical Co., New York, N. Y. Shampoo for the hair. 180,586; Mar. 4; Serial No. 182,942; published Dec. 18, 1923.
Traub's, H., Sons, Savannah, Ga. Canned tomatoes. 180,585; Mar. 4; Serial No. 174,710; published Dec. 18, 1923.
Trolley Supply Co., The, Massillon, Ohio. Gas heaters. 180,794; Mar. 4; Serial No. 186,532; published Dec. 18, 1923.
Trommsdorff, H. (See Lageman, Clemens.)
Tubular Woven Fabric Company, Pawtucket, R. I. Flexible electrical conduits and insulated electrical conductors. 180,673; Mar. 4; Serial No. 186,763; published Dec. 4, 1923.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorant and disinfectant. 180,522; Mar. 4; Serial No. 185,732; published Dec. 11, 1923.
United States Alkali Export Association Inc., New York, N. Y. Caustic soda. 180,726; Mar. 4; Serial No. 184,009; published Dec. 18, 1923.

Universal Gypsum Company, Chicago, Ill. Plaster. 180,724; Mar. 4; Serial No. 184,572; published Dec. 18, 1923.

Vanderboget, Frank C., New York, N. Y. Baking powder. 180,717; Mar. 4; Serial No. 185,269; published Dec. 18, 1923.

Vander Wheelen, Samuel, New York, N. Y. Preparation for the treatment of rheumatism, lumbago, etc. 180,544; Mar. 4; Serial No. 183,013; published Dec. 11, 1923.

Van Gesen, James H., doing business as Mello-Derma Company, Ellensburg, Wash. Lotion or like preparation for chapped hands, etc. 180,555; Mar. 4; Serial No. 166,156; published Dec. 4, 1923.

Van Wasson Medicine Co., The, Talladega, Ala. Medicine for indigestion, gastritis, etc. 180,593; Mar. 4; Serial No. 182,887; published Dec. 18, 1923.

Velsch & Holtz, Paris, France. Perfumes, toilet waters, eau de Cologne, brilliantine, etc. 180,529; Mar. 4; Serial No. 185,433; published Dec. 11, 1923.

Vibro-Dental Products Incorporated, Philadelphia, Pa. Dental cream. 180,696; Mar. 4; Serial No. 186,259; published Dec. 11, 1923.

Wabash Cabinet Co., The, Wabash, Ind. Vertical filing folders and guides. 180,536; Mar. 4; Serial No. 186,970; published Dec. 11, 1923.

Walton, T. G., Company, The, doing business as The Erbjus Remedy Company, Bridgeport, Conn. Medical tonics. 180,504-6; Mar. 4; Serial Nos. 185,391-2; published Dec. 11, 1923.

Ward Baking Company, New York, N. Y. Breakfast cereal. 180,775; Mar. 4; Serial No. 183,500; published Dec. 18, 1923.

Weber and Heilbroner, New York, N. Y. Men's hats. 180,790; Mar. 4; Serial No. 185,805; published Dec. 11, 1923.

Weber's Medical Tea Co., assignor to The Weber Medical Tea Company, Brooklyn, N. Y. Blood-purifying herb teas. 24,783; renewed May 29, 1924.

Whitman, Clarence, & Son, Inc., Katonah and New York, N. Y. Cotton and silk and cotton textiles. 180,805; Mar. 4.

Whis Company. (See Jones, Vess.)

Wilkes, J. H., & Co. Inc., Nashville, Tenn. Feed and wheat flour. 180,817; Mar. 4.

Winter, Emil, Company, Allegheny and Pittsburgh, Pa., assignor to Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Fertilizers. 24,762; renewed May 22, 1924.

Winter, Emil, Company, Allegheny and Pittsburgh, Pa., assignor to Pittsburgh Provision and Packing Company, Pittsburgh, Pa. Animal grease and oils. 24,928; renewed June 26, 1924.

Winthrop Chemical Company. (See Farbenfabriken, vormals Friedr. Bayer & Co., assignor.)

Wisconsin Macaroni Company, Chicago, Ill. Macaroni. 180,801; Mar. 4; Serial No. 158,205; published Dec. 18, 1923.

Woodford, Elliott C., doing business as The Woodford Pharmacy, Oswego, N. Y. Ointment for the treatment of colds, bronchitis, catarrh, etc. 180,529; Mar. 4; Serial No. 185,641; published Dec. 11, 1923.

Worthy Manufacturing Company. (See Cowen, M. H., Manufacturing Company, assignor.)

Zukin, Joseph, Los Angeles, Calif. Aprons, dresses, and frocks. 180,644; Mar. 4; Serial No. 177,888; published Dec. 18, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Banspach Bros., Providence, R. I. My Own Bread. For Bread. 27,020; Mar. 4.

Barbasol Company, The, Indianapolis, Ind. Barbasol. For Shaving Cream. 27,021; Mar. 4.

Bartholomew, C. E., Miami, Fla. Florida Key Brand. For Honey. 27,022; Mar. 4.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Bosch. For Spark Plugs and Accessories. 27,023; Mar. 4.

California Honey Distributors, Chico, Calif. Five Point. For Honey (Strained). 27,024; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. Coleman Mantles. For Mantles for Lamps and Lanterns. 27,025; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. Generators. For Generators for Gas-Operated Lamps and Lanterns. 27,026; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. Coleman Junior Mantles. For Mantles for Lamps and Lanterns. 27,027; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. One Coleman Quick-Lite Generator. For Generators for Gas-Operated Lamps and Lanterns. 27,028; Mar. 4.

Defiance Dairy Products Co., The, Defiance, Ohio. Forget-Me-Not. For Evaporated Milk. 27,029; Mar. 4.

Denison, F. W., St. Albans, Vt. Green Mountain. For Bread. 27,030; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Iron Machine Screws Round Head. For Screws. 27,031; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Iron Machine Screws Flat Head. For Screws. 27,032; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Iron Machine Screws Fillister Head. For Screws. 27,033; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Brass Machine Screws Round Head. For Screws. 27,034; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Brass Machine Screws Flat Head. For Screws. 27,035; Mar. 4.

Economy Screw Corporation, Chicago, Ill. Brass Machine Screws Fillister Head. For Screws. 27,036; Mar. 4.

Egner, Russel F., Salt Lake City, Utah. Andy Has the Name But Here Is The Brush, Andy's Dream Realized. For Foldable Hairbrush. 27,037; Mar. 4.

Elioplos, Charles S., doing business as Le-O-Plus Laboratories, Peabody, Mass. Le-O-Plus. For Ointment. 27,038; Mar. 4.

Goodman, A., & Sons, Inc., New York, N. Y. Goodman's Pure Egg Gra-Nu-Do. For Grated Noodle Dough. 27,039; Mar. 4.

Le-O-Plus Laboratories. (See Elioplos, Charles S.)

Loveless, S. E., Inc., Philadelphia, Pa. Mal-Tex Bread. For Bread. 27,040; Mar. 4.

Mohr Food Products, Inc., Brooklyn, N. Y. Mohr Vegetable Extract. For a Vegetable Extract for Kitchen and Table Use. 27,041; Mar. 4.

Mohr Food Products, Inc., Brooklyn, N. Y. Mohr Tastidish. For a Vegetable Extract for Kitchen and Table Use. 27,042; Mar. 4.

Mohr Food Products, Inc., Brooklyn, N. Y. Mohr Zest. For Highly-Concentrated Essence of Vegetables for Kitchen and Table Use. 27,043; Mar. 4.

National Marking Machine Company, The, Cincinnati, Ohio. Bluco. For Wash Bluing. 27,044; Mar. 4.

No-Leak-O Piston Ring Company, Muskegon, Mich. No-Leak-O oil SEALing. For Piston Rings. 27,045; Mar. 4.

Northrup, King & Company, Minneapolis, Minn. Velvet Green Lawn Seed. For Lawn Seed. 27,046; Mar. 4.

Obermeyer, Clarence, Cincinnati, Ohio. Obermeyer's Mock Turtle Soup. For Mock Turtle Soup. 27,047; Mar. 4.

Orr Bean & Grain Company, Midland, Mich. Or-Be-Co Choice Hand Picked Pure Michigan Beans. For Bags Containing Beans. 27,048; Mar. 4.

Piper, H., Company, The, Chicago, Ill. Tea Time Bread. For Bread. 27,049; Mar. 4.

Purgo Water Co., Martinsville, Ind. Purgo. For Medicinal Mineral Water. 27,050; Mar. 4.

Smith, Jas. A., Fernandina, Fla. Ocean Flower. For Canned Shrimp. 27,051; Mar. 4.

Telling-Belle Vernon Co., The, Cleveland, Ohio. Belle Vernon. For Pasteurized Milk. 27,052; Mar. 4.

Tharinger Macaroni Company, Milwaukee, Wis. White Pearl. For Spaghetti. 27,053; Mar. 4.

Welsh, W. H., & Co., Yonkers, N. Y. Surgical Needles. For Needles. 27,054; Mar. 4.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Bread Wrapper Company, Chicago, Ill. Frisch Bread Wrappers. For Bread Wrappers. 7,232; Mar. 4.

Associated Knit Underwear Manufacturers of America, Utica, N. Y. Wear Knit Underwear. For Knit Underwear. 7,233; Mar. 4.

Calumet Baking Powder Company, Chicago, Ill. Calumet Kid Calculator. For Baking Powder. 7,234; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. Generators. For Generators for Gas-Operated Lamps and Lanterns. 7,235; Mar. 4.

Coleman Lamp Company, The, Wichita, Kans. Coleman Mantles. For Mantles for Lamps and Lanterns. 7,236; Mar. 4.

Coty, Inc., Wilmington, Del., and New York, N. Y. Les Poudres De Coty. For Powders. 7,237-8; Mar. 4.

Easterbrook Coal Company, The, Cleveland, Ohio. Time To Buy Easterbrook Coal. For Coal. 7,239; Mar. 4.

Genesee Pure Food Company, The, Le Roy, N. Y. Wait Until You Taste It. For Jell-O, a Dessert Preparation. 7,240; Mar. 4.

Genesee Pure Food Company, The, Le Roy, N. Y. Jell-O With Apples. For Jell-O, a Dessert Preparation. 7,241; Mar. 4.

Seaboard Rice Milling Co., Galveston, Tex., and New York, N. Y. Comet Rice Cooks light, white and flaky. For Rice. 7,242; Mar. 4.

Ward Baking Company, New York, N. Y. Gee, I Like It. For Bread. 7,243; Mar. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adelson, Abe N., New York, N. Y. Women's hats. 187,977-8; Mar. 4.

Alastalo, Wiljo U., New York, N. Y. Gymnasium apparatus. 187,446; Mar. 4.

Albers Company, Incorporated, Richmond, Va. Concentrated general flavoring. 184,047; Mar. 4.

Albers Company, Incorporated, Richmond, Va. Concentrated imitation vanilla flavoring. 184,049; Mar. 4.

Albers Company, Incorporated, Richmond, Va. Nonalcoholic flavoring for beverages. 189,998; Mar. 4.

Altoona Packing Company, Astoria, Oreg. Canned fish. 189,601; Mar. 4.

American Ammone Company, The, New York, N. Y. Washing, cleaning, and polishing compounds. 188,652; Mar. 4.

American Milk Products Corporation, New York, N. Y. Natural sterilized milk. 190,964; Mar. 4.

American Milling Company, Peoria, Ill. Stock feed. 190,904; Mar. 4.

American Radiac Company, Marion, Ind. Liniment. 190,565; Mar. 4.

Anthony Candy Company, The, Greenville, Ohio. Bar candy. 184,705; Mar. 4.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Clothes ironing and washing machines. 188,519; Mar. 4.

Apex Electrical Manufacturing Company, The, and also doing business as The Apex Electrical Distributing Company, Cleveland, Ohio. Monthly publications. 187,843; Mar. 4.

Arkelian, Ben H., & Co., Fresno, Calif. Cantaloupes and fresh grapes. 185,647; Mar. 4.

Armol Chemical Co., The. (See Onnen, Adolph C.)

Art Novelty Company, The, Goshen, Ind. Piano benches, music-roll cabinets, and novelty furniture. 190,226; Mar. 4.

Aseptol Company, The, Jersey City, N. J., and St. Louis, Mo. Chemical preparation for use as an oral and dental antiseptic, etc. 189,751; Mar. 4.

Aseptol Company, The, Jersey City, N. J., and St. Louis, Mo. Chemical preparation for disorders of the liver and kidneys. 189,752; Mar. 4.

Atkins, E. C., & Company, Indianapolis, Ind. Saws, saw swages, saw-fitting tools, etc. 188,357; Mar. 4.

Atmore & Son, Inc., Philadelphia, Pa. Mincemeat. 188,736; Mar. 4.

Automatic Electric Company, Chicago, Ill. Automatic telephone systems. 190,398; Mar. 4.

B. L. Tim Lumber Company, Boston, Mass. Lumber. 189,282; Mar. 4.

Babcock & Wilcox Tube Co., The, Beaver Falls, Pa. Steel tubes. 190,086; Mar. 4.

Bama Cigar Company, The, Montgomery, Ala. Cigars. 190,566; Mar. 4.

Barnett, Peter E., doing business as Globe Fizz Products Company, Chicago, Ill. Maltless artificial grape beverage and sirups for making the same. 187,078; Mar. 4.

Beal-Burrow Dry Goods Co., Little Rock, Ark. Brown sheeting. 184,957; Mar. 4.

Beebe, Stuart J., doing business as Richmond Glove Co., Richmond, Ind. Gloves. 181,812; Mar. 4.

Bement-Rea Co., Inc., Terre Haute, Ind. Canned string beans, tomatoes, sauerkraut, etc., and vinegar. 169,392; Mar. 4.

Bender, Irving, doing business as Bender Products Co., New York, N. Y. Liquid preparation for the cleaning of teeth. 190,004; Mar. 4.

Biggio, Frank, & Sons, Chicago, Ill. Fresh tomatoes. 166,035; Mar. 4.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 190,527; Mar. 4.

Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen dress goods. 187,244; Mar. 4.

Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen dress goods in the piece. 189,708; Mar. 4.

Borden, Jasper A., doing business as The Wishing Well, Los Angeles, Calif. Face powders and creams, perfumes, toilet waters, etc. 190,491; Mar. 4.

Borden's Farm Prdoucts Company, Inc., Wassaic and New York, N. Y. Raw or pasteurized milk and cream, and buttermilk. 151,250; Mar. 4.

Breitenbaugh, Annie L., Philadelphia, Pa. Golf clubs. 190,530; Mar. 4.

Briggs & Stratton Company, Milwaukee, Wis. Electric equipment for gasoline and electric motor cars, etc., and radio apparatus. 172,414; Mar. 4.

Buhlmann, Hans, doing business as Buhlmann & Co., Grossbochstetten, Switzerland. Cheese. 172,415; Mar. 4.

Burdan Bros., Pottstown and Lebanon, Pa. Raw and condensed milk and cream, ice cream, and cheese. 168,295; Mar. 4.

California Deciduous Fruit Companies, Sacramento, Calif. Cherries, peaches, plums, pears, etc. 186,868; Mar. 4.

California Glass & Paint Co., Los Angeles, Calif. Beveled plate glass, tile and sheet prism glass, etc. 164,497; Mar. 4.

Capital Paper Company, Indianapolis, Ind. Wrapping paper. 190,766; Mar. 4.

Caro-Co Laboratories. (See Carolina Remedies Company.)

Carolina Remedies Company, doing business as Caro-Co Laboratories, Union, S. C. Face powder, shampoo, and face and hand lotion or cream. 191,165; Mar. 4.

Carson Pirie Scott & Co., Chicago, Ill. Men's leather shoes. 184,593; Mar. 4.

Cashmere Fruit Growers Union, Cashmere, Wash. Fresh apples. 182,564; Mar. 4.

Castleberg National Jewelry Company, Inc., The, Baltimore, Md. Watch movements. 175,846-7; Mar. 4.

Chain Belt Company, Milwaukee, Wis. Sprocket, drive, conveying, and power-transmission chains. 190,581-2; Mar. 4.

Chicago Brush Manufacturing Co., Chicago, Ill. Brushes. 189,882; Mar. 4.

Child's Garden Press, A, Berkeley, Calif. Monthly publication. 190,911; Mar. 4.

Cincinnati Galvanizing Company, The, Cincinnati, Ohio. Ash and garbage cans, pails, washtubs, etc. 189,967; Mar. 4.

Clark, Clarence H., doing business as The Toothgio Company, San Francisco, Calif. Liquid tooth paste and dental cleanser. 189,843; Mar. 4.

Clayloid Laboratories. (See Jewett, Frederick W.)

Cluett, Peabody & Co. Inc., Troy, N. Y. Negligee and dress shirts. 190,445; Mar. 4.

Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Radio receiving, detecting, and transmitting sets and parts thereof, crystal receiving sets, etc. 184,713; Mar. 4.

Consolidated Car-Heating Company, Albany, N. Y. Electric heaters for cars, houses, and the like. 172,976; Mar. 4.

Consolidated Textile Corporation, New York, N. Y. Sheeting. 181,436; Mar. 4.

Crown Barbers Supply Co. (See Cuddy, Edward B.)

Cuddy, Edward B., doing business as Crown Barbers Supply Co. and Crown Co., New York, N. Y. Hair grower. 188,588; Mar. 4.

Curry and Barnum, New Haven, Conn. Observation doors for furnaces. 190,446; Mar. 4.

Curtis Company, The, Baldwinsville, N. Y. Cough drops. 189,611; Mar. 4.

De Vito, Mary F., Brooklyn, N. Y. Hair dye. 183,437; Mar. 4.

D'Olier, Henry, jr., Bridgeport, Conn. Glass lighting devices. 189,186; Mar. 4.

Dreyfus & Company, Wilmington, Del. Hosiery. 163,383; Mar. 4.

Durgin, William B., Co., Concord, N. H. Solid-silver tableware. 175,187; Mar. 4.

Eastern States Farmers' Exchange, Springfield, Mass. Feed for cattle and poultry. 187,210; Mar. 4.

Eby, Rob't L., Co., Lebanon, Pa. Sugar-cured dried-beef roll. 168,671; Mar. 4.

Edna Brass Mfg. Co., The, Cincinnati, Ohio. Gauge glasses and water columns. 191,059; Mar. 4.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Gloves, gauntlets, and mittens. 188,108; Mar. 4.

Ell-Jay Middy Company. (See Jaffe, Louis.)

Ely, Mahlon L., Hutchinson, Kans. Toy railway. 189,303; Mar. 4.

Erit & Co., Greenfield Center, N. Y. Sauce adapted for use on meats, fish, etc. 184,163; Mar. 4.

Evans, Elmer O., doing business as The Ton-Ka Co., Osceola, Mo. Blood purifier. 186,548; Mar. 4.

Farmers Co-Operative Marketing Association, East Grand Forks, Minn. Potatoes. 185,211; Mar. 4.

Faultless Rubber Company, The, Ashland, Ohio. Playing balls. 191,306; Mar. 4.

Ferris, F. A., & Co. Inc., New York, N. Y. Bacon. 185,864; Mar. 4.

Filene's, Wm., Sons Company, Boston, Mass. Misses' blouses, sweaters, skirts, and hats. 190,458; Mar. 4.

Fisher Bros. Paper Co., Fort Wayne, Ind. Pencils and wrapping paper. 189,550; Mar. 4.

Flexo Common Lath Company, Los Angeles, Calif. Wooden wall or plaster board. 190,777; Mar. 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

4 V Black Tongue Company, Greenville, Miss. Medicines for use in the treatment of dogs. 166,591; Mar. 4.
Fox Furnace Company, The, Elyria, Ohio. Hot-air furnaces for heating purposes. 170,430; Mar. 4.
Frank and Company, Milwaukee, Wis. Sausage. 189,105; Mar. 4.
Franklin, Ben, Radio Manufacturing Company, The, Cleveland, Ohio. Electrical condensers. 188,542; Mar. 4.
Frazier, Frederick A., San Francisco, Calif. Sulphur spray compounds. 188,900; Mar. 4.
Freeman, E. H., Electric Co., Trenton, N. J. Attachment plugs, porcelain switch bases, inclosed fuse contacts, etc. 156,366; Mar. 4.
French Bread Manufacturing Co., Craggy, Asheville, N. C. Cotton goods, quilts, and bedspreads. 166,880; Mar. 4.
Fyrac Manufacturing Co., Rockford, Ill. Head lamps, vehicle lamps, and spotlights. 188,196; Mar. 4.
Gardner, Percy, Corporation, The, Newark, N. J. Bias tape. 189,517; Mar. 4.
Geise, Harry S., New York, N. Y. Pyjamas. 190,291; Mar. 4.
General Chemical Company, New York, N. Y. Insecticides and fungicides. 187,253; Mar. 4.
Gilpin, Langdon & Company, Incorporated, Baltimore, Md. Liquid insecticide. 189,566; Mar. 4.
Gladbrook Mustard Factory, Gladbrook, Iowa. Prepared mustard. 190,333; Mar. 4.
Globe Fizz Products Company. (See Barnett, Peter E.)
Goldcft Shoe Company, El Paso, Tex. Leather shoes. 185,755; Mar. 4.
Green, Hannes, doing business as Green Toy Works, Racine, Wis. Toy tool boxes, trunks, wardrobes, and davenports. 187,517; Mar. 4.
Green, Joe, Estate, Courtland, Calif. Fresh deciduous fruits. 189,309; Mar 4.
Greenwald, Friedman & Co. Inc., New York, N. Y. Tailor-made dresses. 190,682; Mar. 4.
Grennan Cake Corporation, Detroit, Mich. Fruit cake. 190,782; Mar. 4.
Griscom-Russell Company, The, New York, N. Y. Storage heaters employing steam as a heating medium. 190,017; Mar. 4.
Grosvenor, Chas. A., doing business as C. A. Grosvenor Shoe Company, Worcester, Mass. Leather, fabric, and felt slippers. 187,580; Mar. 4.
Guaranteed Products Laboratories, New York, N. Y. Liquid cough sirup. 190,548; Mar. 4.
H-K Trading Company, Inc., The, New York, N. Y. Bibulous paper for removing from the skin cold cream, dust, etc. 190,923; Mar. 4.
Hance Brothers & White, Incorporated, Philadelphia, Pa. Reconstructive tonic. 190,503; Mar. 4.
Happ, George, jr., Port Jervis, N. Y. Bread. 189,894; Mar. 4.
Harrington, Edouard de W., Baltimore, Md. Dairy products. 172,375; Mar. 4.
Harris, D. P., Hardware & Mfg. Co., Inc., New York, N. Y. Bicycles and velocipedes for adults. 190,586; Mar. 4.
Harris, John L., Water Valley, Miss. Playing cards. 190,585; Mar. 4.
Henshaw, Charles S., Boston, Mass. Automobile polish. 186,707; Mar. 4.
Herr, James T., Baltimore, Md. Compound for relieving the effects of the use of tobacco. 190,456; Mar. 4.
Hillside Cotton Mills, doing business as Valley Waste Mills, La Grange, Ga. Unitary package containing textile wiping waste and wiping towel. 189,196; Mar. 4.
Hirsch, Fred S., doing business as Inner Clean Mfg. Co., Los Angeles, Calif. Laxative. 190,588; Mar. 4.
Hood, C. I., Company, Kittery, Me., and New York, N. Y. Alterative and tonic medicine. 189,407; Mar. 4.
Howle, E. O., Richmond, Va. Coal and wood heaters and furnaces. 188,908–9; Mar. 4.
Hygeia Nursing Bottle Co. Inc., The, Buffalo, N. Y. Candy. 187,045; Mar. 4.
Inner Clean Mfg. Co. (See Hirsch, Fred S.)
International Shoe Company, St. Louis, Mo. Men's and children's shoes. 189,295; Mar. 4.
International Shoe Company, St. Louis, Mo. Men's shoes of leather. 187,816; Mar. 4.
International Shoe Company, doing business as Peter's Shoe Company, St. Louis, Mo. Men's shoes of leather. 184,456; Mar. 4.
Jaffe, Louis, doing business as Ell-Jay Middy Company, New York, N. Y. Middy blouses, bloomers, knickers, dresses, etc. 175,400; Mar. 4.
Jennings, O. D., & Company, Chicago, Ill. Vending machines. 189,161; Mar. 4.
Jewett, Frederick W., doing business as Clayloid Laboratories, New York, N. Y. Complexion clay. 190,165; Mar. 4.
Katten, Arthur A., Company Inc., New Orleans, La. Work pants. 190,255; Mar. 4.
Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 189,677–9; Mar. 4.
Keystone Carbonic Gas Company, Harrisburg, Pa. Chemical product carbonic acid gas. 189,902; Mar. 4.
King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits and berries. 185,597–8; Mar. 4.
King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits and berries. 185,600; Mar. 4.
King's Nu Treatment Laboratories Inc., Atlanta, Ga. Medicine for indigestion. 190,689; Mar. 4.
Kitauto Company, Providence, R. I. Emergency axles for automobiles. 185,757; Mar. 4.
Kops Bros., New York, N. Y. Corsets, brassières, and underwear. 190,730–1; Mar. 4.
Krause's. (See Tru-Blu Biscuit Company.)
Kruse, J. P., Minneapolis, Minn. Face creams, toilet waters, perfumes, depilatories, etc. 148,444; Mar. 4.
Lake, Simon, Milford, Conn. Concrete slabs for building construction. 190,546; Mar. 4.
Lehn & Fink, Inc., New York, N. Y. Talcum powder. 190,383; Mar. 4.
Leland Coal Mining Company, doing business as Old Forge Smithing Coal Company, New York, N. Y. Coal. 185,662; Mar. 4.
Levish, Thomas, Chicago, Ill. Monthly magazine. 188,914; Mar. 4.
Levor, Victor, Attica, Ind. Cigars. 187,826; Mar. 4.
Library Bureau, Cambridge, Mass. Guide cards. 190,888; Mar. 4.
Macfarlane, Lang & Co. Ltd., Glasgow, Scotland. Biscuits, cakes, and bread. 190,111; Mar. 4.
Mackie & Barnes, Inc., Seattle, Wash. Logs and cants. 170,657; Mar. 4.
Madison Woolen Company, Madison, Me. Woolen piece goods. 191,026; Mar. 4.
Manhattan Textile Works, Inc., New York, N. Y. Silk piece goods. 190,891; Mar. 4.
Marcel Parfumeur. (See Raffy, Marcel J.)
Marks Lissberger & Son, Inc., Long Island City, N. Y. Babbitt metal. 187,883; Mar. 4.
Markt & Hammacher Company, New York, N. Y. Hammers, hatchets, bits, saws, etc. 172,234; Mar. 4.
Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 189,324–5; Mar. 4.
Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 189,328; Mar. 4.
Miller, Lee H., Syracuse, N. Y. Battery compound. 190,263; Mar. 4.
Minn, Charles C., Milwaukee, Wis. Toilet paper. 190,847; Mar. 4.
Minneapolis Milling Co., Minneapolis, Minn. Wheat flour. 189,417–19; Mar. 4.
Moch, Berman Co., The, Cincinnati, Ohio. Men's and young men's suits and overcoats. 183,222; Mar. 4.
Morrell, John, & Co., Ottumwa, Iowa. Evaporated milk, canned pork and beans, peas, etc. 187,119; Mar. 4.
National Gum & Mica Company, New York, N. Y. Glue. 190,935; Mar. 4.
National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,030–1; Mar. 4.
New Haven Clock Co., The, New Haven, Conn. Clocks. 184,981; Mar. 4.
New York Combustion Company. (See Wollheim, Walter E.)
Norma Chocolate Company, Inc., Brooklyn, N. Y. Chocolate. 187,120; Mar. 4.
Norton Company, Worcester, Mass. Abrasive products. 186,921–2; Mar. 4.
Novy, William J., Chicago, Ill. Men's trousers. 190,267; Mar. 4.
No Work Freezer Co., Cincinnati, Ohio. Ice-cream freezer. 190,936; Mar. 4.
Ogden, J. Edward, Company, Incorporated, New York, N. Y. Doors. 151,955; Mar. 4.
Old Forge Smithing Coal Company. (See Leland Coal Mining Company.)
Onnen, Adolph C., doing business as The Armol Chemical Co., Baltimore, Md. Laxative cold tablets. 190,427; Mar. 4.
Oregon Humane Society, Portland, Oreg. Magazine published monthly. 191,086; Mar. 4.
Pacent Electric Company, Incorporated, New York, N. Y. Radio apparatus. 188,606; Mar. 4.
Parry Vegetable Compound Co., The, Mansfield, Ohio. Vegetable compound and herb tea, etc. 181,772; Mar. 4.
Penn Rivet Corporation, Philadelphia, Pa. Ribbons. 189,581; Mar. 4.
Perlmutter Mittelman Co., New York, N. Y. Dresses. 188,062; Mar. 4.
Peter's Shoe Company. (See International Shoe Company.)
Physio-Chemical Laboratories, Inc., Salt Lake City, Utah. Preparation for the treatment of constipation and intestinal stasis. 189,582; Mar. 4.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 173,378; Mar. 4.
Pinkus, Max, doing business as John Price & Co., Philadelphia, Pa. Bottled horse-radish, mixed pickles, olives, etc. 175,734; Mar. 4.
Pischinger, Oskar, Inc., New York, N. Y. Cakes, chocolates, candies, and pastry. 189,948; Mar. 4.

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Pittsburg Waterproof Company, Pittsburgh, Pa. Duck and other cotton fabrics. 189,271; Mar. 4.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume, toilet water, face and talcum powder, etc. 190,386; Mar. 4.
Pollock, Robert T., doing business as Pollock Pen Company, Boston, Mass. Pencils and fountain pens. 178,203; Mar. 4.
Presswood, Jennie L., doing business as J. L. Presswood & Co., Houston, Tex. Medical preparation for diseases arising from disordered blood, etc. 189,864; Mar. 4.
Price, John, & Co. (See Pinkus, Max.)
Public Ledger Company, Philadelphia, Pa. Title for cartoons in newspaper publications. 190,854; Mar. 4.
Puhl-Webb Company, Chicago, Ill. Coffee and tea. 189,559; Mar. 4.
Pyoseptol Laboratory, Washington, D. C. Antiseptic ipecac wash for the treatment and prevention of pyorrhea. 166,891; Mar. 4.
Quinlan Motors Company, Chicago, Ill. Trunks. 190,706; Mar. 4.
Radcliffe, William, doing business as W. Radcliffe & Co., Wheeling, W. Va. Sirup for beverage purposes. 174,151; Mar. 4.
Raffy, Marcel J., doing business as Marcel Parfumeur, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 190,429; Mar. 4.
Ray Motor Company, Detroit, Mich. Internal-combustion engines and their parts. 171,956; Mar. 4.
Reese Chemical Co. The, Cleveland, Ohio. Prophylactic remedy. 190,269; Mar. 4.
Reflector & Illuminating Co., Chicago, Ill. Electric lamps for projecting concentrated beams of light. 188,569–70; Mar. 4.
Republic Metalware Co. The, Buffalo, N. Y. Black steel sheets, auto sheets, blue steel sheets, etc. 186,075; Mar. 4.
Republic Metalware Co., The, Buffalo, N. Y. Cash and bread boxes, cake closets, buckets, etc. 186,076; Mar. 4.
Republic Metalware Co., The, Buffalo, N. Y. Black steel sheets, auto sheets, blue steel sheets, etc. 186,077–8; Mar. 4.
Republic Metalware Co., The, Buffalo, N. Y. Cash and bread boxes, cake closets, buckets, etc. 186,082–3; Mar. 4.
Richards, Joshua M., South Boston, Mass. Structural glass. 188,163; Mar. 4.
Richmond Glove Co. (See Beebe, Stuart J.)
Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Soaps. 167,100; Mar. 4.
Romano, Tully, doing business as R. Romano & Son, New York, N. Y. Olive oil. 189,169; Mar. 4.
Ross, Benjamin, Brooklyn, N. Y. Shoes, boots, and slippers. 185,497; Mar. 4.
Rova Radio Products Corporation, New York, N. Y. Radio accessories. 187,172; Mar. 4.
Rova Radio Products Corporation, New York, N. Y. Radio outfits, devices, and accessories. 187,173; Mar. 4.
Rova Radio Products Corporation, New York, N. Y. Tuners, phones, condensers, and parts thereof. 187,694; Mar. 4.
San Dimas Lemon Association, San Dimas, Calif. Fresh citrous fruits. 184,298; Mar. 4.
San Dimas Lemon Association, San Dimas, Calif. Fresh citrous fruits. 184,302; Mar. 4.
Schutter Johnson Candy Company, Chicago, Ill. Candy. 187,960; Mar. 4.
Schwarz & Son, Newark, N. J. Candy. 181,220; Mar. 4.
Sedalia Candy Company, Sedalia, Mo. Candies other than nut bars. 188,137; Mar. 4.
Service Radio Corporation, New York, N. Y. Radio outfits, devices, and accessories. 187,176; Mar. 4.
Sexton, Ernest S., Denver, Colo. Tongue cleaner. 190,940; Mar. 4.
Sidney Machine Tool Company, The, Sidney, Ohio. Universal woodworking machines. 187,354; Mar. 4.
Skyscraper Overall Company, Boston, Mass. Overalls, unionalls, jackets, pants, etc. 172,446; Mar. 4.
Southside Malleable Casting Co., Milwaukee, Wis. Malleable castings. 189,174; Mar. 4.
Spartan Rubber Co., Trenton and Yardville, N. J. Rubber tires for automobiles. 168,947; Mar. 4.
Standard Oil Company (New Jersey), Bayonne, N. J. Lubricating oils. 190,746; Mar. 4.
Standard Oil Company of Louisiana, Baton Rouge, La. Asphalt. 190,211; Mar. 4.
State Textile Corporation, New York, N. Y. Hosiery. 190,660; Mar. 4.
Strawbridge & Clothier, Philadelphia, Pa. Sheets, pillowcases, and bolster cases. 191,191–2; Mar. 4.
Sunny Point Packing Company, Seattle, Wash. Canned fish. 189,592; Mar. 4.
Sunny Point Packing Company, Seattle, Wash. Canned fish. 189,594; Mar. 4.
Superba Packing Co., San Francisco, Calif. Canned raviolis, spaghetti, and mushroom gravy. 184,694; Mar. 4.
Sur-Val Box Lunch Co., Los Angeles, Calif. Box lunches. 188,940; Mar. 4.
Swift and Company, Chicago, Ill. Dried beef. 188,646; Mar. 4.
Szafir, E., & Son Company, Beaumont, Tex. Pencils, penholders, and pens, paper clips, etc. 187,496; Mar. 4.
Tehachapi Fruit Growers Ass'n., Tehachapi, Calif. Fresh pears and apples. 185,680; Mar. 4.
Temple Pharmacy, The, Pocatello, Idaho. Preparation for hay fever, asthma, and catarrh. 165,971; Mar. 4.
Textiles Development Corporation, New York, N. Y. Cloth consisting of cotton, wool, or silk or mixture of same. 191,101; Mar. 4.
Toledano, George R., New Orleans, La. Cigars. 176,371; Mar. 4.
Ton-Ka Co., The. (See Evans, Elmer O.)
Toothglo Company, The. (See Clark, Clarence H.)
Toyo Fisheries Co., Inc., Wilmington, Calif. Chow mein and chop suey in cans. 184,482; Mar. 4.
Tru-Blu Biscuit Company, also doing business as Krause's, Spokane, Wash. Candy. 184,996; Mar. 4.
222 Laboratories. (See Zirkle and Henley.)
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 185,996; Mar. 4.
Valley Waste Mills. (See Hillside Cotton Mills.)
Vitro Manufacturing Company, The, Pittsburgh, Pa. Oxides of cobalt, chromium, selenium, etc. 190,393; Mar. 4.
Wallace, Benjamin G., Seaside, Oreg. Shoe polish. 187,072; Mar. 4.
Wallace Milling Company, Huntingburg, Ind. Soft-winter-wheat flour. 190,949; Mar. 4.
Ward, R. B., & Co. Inc., Piedmont and Los Angeles, Calif. Bread. 190,070; Mar. 4.
Way, A. F., Company Inc., Hartford and East Hartford, Conn. Electric drills and electrically-operated punch presses. 188,288; Mar. 4.
Weber, Frank C., & Company, Chicago, Ill. Canned fruits, berries, vegetables, etc. 184,110; Mar. 4.
West Boylston Manufacturing Company, Easthampton, Mass. Fliter fabrics. 190,901; Mar. 4.
West, James, Balston Spa, N. Y. Supports for hernia trusses. 175,825; Mar. 4.
Western Sporting Goods Mfg. Co., The, Chicago, Ill. Body-protecting pads. 173,374; Mar. 4.
White, J. J., Paper Company, Canton, Mass. Waterproof building paper. 189,651; Mar. 4.
Wichert, Inc., New York and Brooklyn, N. Y. Ladies' shoes and slippers. 184,776; Mar. 4.
Wishing Well, The. (See Borden, Jasper A.)
Wix, J., & Sons, Ltd., London, England. Cigarettes. 190,482; Mar. 4.
Wollheim, Walter E., doing business as New York Combustion Company, New York, N. Y. Liquid-fuel burners. 191,048; Mar. 4.
Wolverine Metal Specialties Co., Grand Rapids, Mich. Locking caps for radiators of automobiles. 183,683; Mar. 4.
Wortendyke Manufacturing Company, Richmond, Va. Toilet paper and paper towels. 190,862; Mar. 4.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 190,992; Mar. 4.
Zeller, Max, Berlin-Treptow, Germany. Galvanic cells, dry cells, dry batteries, etc. 186,310; Mar. 4.
Zirkle and Henley, doing business as 222 Laboratories, Lynchburg, Va. Medicine for indigestion, dyspepsia, etc. 160,455; Mar. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Monsarrat Brothers Coal Co. 180,788; Mar. 4; Serial No. 185,373; published Dec. 18, 1923.
Seeds, onion sets, and bulbs. Leonard Seed Company. 180,792; Mar. 4; Serial No. 185,525; published Dec. 18, 1923.

CLASS 4.

Oil and belt dressing. Leather and harness. Standard Oil Company of Louisiana. 180,843; Mar. 4.

CLASS 6.

Agents against exhaustion. Farbenfabriken vorm. Friedr. Bayer & Co. 180,618; Mar. 4; Serial No. 186,005; published Dec. 18, 1923.
Agents against parasitic and nonparasitic skin diseases. Farbenfabriken vorm. Friedr. Bayer & Co. 180,609; Mar. 4; Serial No. 186,004; published Dec. 18, 1923.
Anæsthetics. Farbenfabriken vorm. Friedr. Bayer & Co. 180,610; Mar. 4; Serial No. 186,003; published Dec. 18, 1923.

Antiseptic and germicidal preparation. L. D. Caulk Company. 180,497; Mar. 4; Serial No. 185,565; published Dec. 11, 1923.
Antiseptic, Urinary. Clausen-Zoller Company. 180,728; Mar. 4; Serial No. 183,819; published Dec. 18, 1923.
Antiseptics and stimulants, Throat and voice. Ferris and Company. 180,492; Mar. 4; Serial No. 182,743; published Dec. 18, 1923.
Asthma treatment. G. E. Remick. 180,655; Mar. 4; Serial No. 180,081; published Dec. 18, 1923.
Baking powder. F. C. Vanderboget. 180,717; Mar. 4; Serial No. 185,269; published Dec. 18, 1923.
Baking powder, bicarbonate of soda, carbonic powder, etc. Northwestern Bakers & Confectioners Co. 180,568; Mar. 4; Serial No. 181,855; published Dec. 4, 1923.
Bath salts. E. S. Johnson. 180,697; Mar. 4; Serial No. 186,236; published Dec. 11, 1923.
Boiler compound. Bennett Rubber Co. 180,735; Mar. 4; Serial No. 183,729; published Dec. 18, 1923.
Calcium carbide. National Carbide Corporation. 180,829; Mar. 4.
Chemical and pharmaceutical preparation. Society of Chemical Industry in Basle. 180,691; Mar. 4; Serial No. 186,298; published Dec. 18, 1923.
Chemical and pharmaceutical preparation. Society of Chemical Industry in Basle. 180,693; Mar. 4; Serial No. 186,395; published Dec. 18, 1923.
Chemicals for the removal of sulphur, etc., from molten iron and other metals. Chemical Treatment Company. 180,646; Mar. 4; Serial No. 176,602; published Dec. 18, 1923.
Clay, face powder, creams, etc., Beauty. Scott's Preparations, Inc. 180,621; Mar. 4; Serial No. 186,161; published Dec. 11, 1923.
Condition powders. W. G. Tilghman. 24,756; renewed May 22, 1924.
Corn remedy. S. L. Allen. 180,785; Mar. 4; Serial No. 185,399; published Dec. 11, 1923.
Cosmetics. Lam-Te Mfg. Co. 180,582; Mar. 4; Serial No. 166,837; published Dec. 18, 1923.
Cream, Cold. Mrs. J. Nelson. 180,591; Mar. 4; Serial No. 182,716; published Dec. 18, 1923.
Cream, Cold. Pond's Extract Company. 180,511; Mar. 4; Serial No. 185,377; published Dec. 11, 1923.
Cream, Complexion. Mrs. E. W. Ingram. 180,734; Mar. 4; Serial No. 183,614; published Dec. 18, 1923.
Cream, lemon emollient, etc., Lemon and vanishing. J. T. Gallagher. 180,753; Mar. 4; Serial No. 174,240; published Dec. 18, 1923.
Cream, Massage. J. Romano. 180,765; Mar. 4; Serial No. 184,295; published Dec. 18, 1923.
Cream, toilet water, shampoo powder, etc., Face. Opera Omnia Limited. 180,627; Mar. 4; Serial No. 182,220; published Dec. 18, 1923.
Cream, Vanishing. Pond's Extract Company. 180,503; Mar. 4; Serial No. 185,378; published Dec. 11, 1923.
Cream, Vanishing. L. Sullivan. 180,737; Mar. 4; Serial No. 183,419; published Dec. 18, 1923.
Creams, talcum powder, astringent, etc. Z. E. Burgess. 180,515; Mar. 4; Serial No. 185,954; published Dec. 18, 1923.
Dental cream. Doctor W. A. Allen Company. 180,512; Mar. 4; Serial No. 185,000; published Dec. 18, 1923.
Dental cream. Vitro-Dental Products Incorporated. 180,698; Mar. 4; Serial No. 186,259; published Dec. 11, 1923.
Dental cream, face powder, hand softener, etc. G. L. Taylor. 180,678; Mar. 4; Serial No. 185,192; published Dec. 4, 1923.
Dentifrice, cold cream, vanishing skin cream, and skin lotion. Parke, Davis & Company. 180,567; Mar. 4; Serial No. 183,851; published Dec. 18, 1923.
Dentifrices. Parfumerie Anthemys (S. A.). 180,608; Mar. 4; Serial No. 168,730; published Dec. 11, 1923.
Deodorant and disinfectant. U. S. Sanitary Specialties Corporation. 180,522; Mar. 4; Serial No. 185,732; published Dec. 11, 1923.
Deodorant. Toilet. La Valliere Co. 180,770; Mar. 4; Serial No. 183,980; published Dec. 18, 1923.
Depilatory. Jean Jordeau Inc. 180,521; Mar. 4; Serial No. 185,709; published Dec. 11, 1923.
Dye, Aniline. Sands & Ross, Inc. 180,695; Mar. 4; Serial No. 186,447; published Dec. 11, 1923.
Expectorant. Farbenfabriken vorm. Friedr. Bayer & Co. 180,533; Mar. 4; Serial No. 185,574; published Dec. 11, 1923.
External application for asthma, bronchitis, coughs, etc. Capitol Chemical Co. 180,496; Mar. 4; Serial No. 185,562; published Dec. 11, 1923.
Foot powder, stomach regulator, etc. Schadt Brothers. 180,745; Mar. 4; Serial No. 165,763; published Dec. 18, 1923.
Gas, Compressed. Carbide & Carbon Chemicals Corporation. 180,530; Mar. 4; Serial No. 185,652; published Dec. 11, 1923.
Hair dressing, bath salts, etc. Schramm-Johnson, Drugs. 180,743; Mar. 4; Serial No. 143,666; published Dec. 18, 1923.
Hair tonic and restorer. I. Berkenfield. 180,543; Mar. 4; Serial No. 183,135; published Dec. 11, 1923.
Headache and neuralgia powders. Columbus Chemical Company. 180,746; Mar. 4; Serial No. 165,747; published Dec. 18, 1923.
Heat bags, Chemical. Superior Chemical Company. 180,772; Mar. 4; Serial No. 183,998; published Dec. 18, 1923.
Herb teas, Blood-purifying. Weber's Medical Tea Co. 24,783; renewed May 29, 1924.
Immunising agents. Parke, Davis & Company. 180,622; Mar. 4; Serial No. 186,151; published Dec. 18, 1923.
Insecticide. Hit-it-M'f'g Co. 180,623; Mar. 4; Serial No. 186,129; published Dec. 18, 1923.
Insecticide. Pheno-Bane Products Company. 180,575; Mar. 4; Serial No. 186,153; published Dec. 18, 1923.
Insecticides and fungicides. H. L. Benard. 180,771; Mar. 4; Serial No. 183,993; published Dec. 18, 1923.
Liniment. Faxon & Gallagher Drug Co. 180,525; Mar. 4; Serial No. 185,575; published Dec. 11, 1923.
Liniment. Sun Zone Company. 180,523; Mar. 4; Serial No. 185,767; published Dec. 11, 1923.
Lotion or like preparation for chapped hands, etc. J. H. Van Geesen. 180,555; Mar. 4; Serial No. 166,156; published Dec. 4, 1923.
Lotions, powders, creams, etc., Toilet. Guy T. Gibson, Incorporated. 180,519–20; Mar. 4; Serial Nos. 185,698–9; published Dec. 11, 1923.
Medical and pharmaceutical compounds and chemicals. C. Lageman. 180,755; Mar. 4; Serial No. 172,067; published Dec. 18, 1923.
Medicated cream or ointment. L. D. Caulk Company. 180,507; Mar. 4; Serial No. 185,413; published Dec. 11, 1923.
Medicinal preparation. J. Ferran Clua. 180,744; Mar. 4; Serial No. 165,914; published Dec. 18, 1923.
Medicinal preparation. Medoc Company. 180,564; Mar. 4; Serial No. 177,237; published Dec. 4, 1923.
Medicinal remedy for cholera, roup, etc., in poultry and pigeons. "H. W." Company. 180,761; Mar. 4; Serial No. 184,447; published Dec. 18, 1923.
Medicinal tonic, General. Pabst Corporation. 180,630; Mar. 4; Serial No. 182,112; published Dec. 18, 1923.
Medicinal tonic, General. Pabst Corporation. 180,636; Mar. 4; Serial No. 182,111; published Dec. 18, 1923.
Medicine. G. C. Sharrow. 180,722; Mar. 4; Serial No. 184,105; published Dec. 18, 1923.
Medicine, Blood. R. W. Logan. 180,777; Mar. 4; Serial No. 183,037; published Dec. 18, 1923.
Medicine for diseases of the stomach, blood, etc. Jenkins Drug Company. 180,566; Mar. 4; Serial No. 175,198; published Dec. 4, 1923.
Medicine for dissolving gallstones. J. E. Stayros. 180,510; Mar. 4; Serial No. 185,322; published Dec. 11, 1923.
Medicine for indigestion, etc. Van Wasson Medicine Co. 180,593; Mar. 4; Serial No. 182,887; published Dec. 18, 1923.
Medicine for rheumatism, indigestion, etc. E. M. Thomas. 180,686; Mar. 4; Serial No. 184,875; published Dec. 18, 1923.
Medicine for treatment of tuberculosis. A. Gimenes y Moreno. 180,579; Mar. 4; Serial No. 169,137; published Dec. 18, 1923.
Medicine, Lung. R. W. Logan. 180,738; Mar. 4; Serial No. 183,038; published Dec. 18, 1923.
Medicines and pharmaceutical preparations. Chemosan Aktiengesellschaft. 180,571; Mar. 4; Serial No. 184,233; published Dec. 4, 1923.
Nose irrigation and throat gargle. Fred Baden, Inc. 180,524; Mar. 4; Serial No. 185,810; published Dec. 11, 1923.
Odor-preventing preparation. H. P. Easton, jr. 180,692; Mar. 4; Serial No. 186,358; published Dec. 11, 1923.
Oils, Essential. Morana, Incorporated. 180,682–5; Mar. 4; Serial Nos. 185,130–3; published Dec. 4, 1923.
Oils suitable for the production of perfumes, Essential. Morana, Incorporated. 180,681; Mar. 4; Serial No. 185,129; published Dec. 4, 1923.
Ointment. J. Forcier. 180,754; Mar. 4; Serial No. 169,896; published Dec. 18, 1923.
Ointment. Pheno-Lyptol Co. 180,581; Mar. 4; Serial No. 174,635; published Dec. 18, 1923.
Ointment. E. C. Woodford. 180,529; Mar. 4; Serial No. 185,641; published Dec. 11, 1923.
Ointment for the treatment of eczema, etc. W. Andrews. 180,649; Mar. 4; Serial No. 175,231; published Dec. 18, 1923.
Ointments and plasters. W. Menner. 180,542; Mar. 4; Serial No. 177,311; published Dec. 11, 1923.
Oxygen and hydrogen gases. Boston Electrolytic Oxygen Company. 180,574; Mar. 4; Serial No. 184,639; published Dec. 18, 1923.
Paraffin, Emulsion of liquid. Lubricant Laxatives Corporation. 180,612; Mar. 4; Serial No. 185,976; published Dec. 18, 1923.
Perfume, cold cream, hair oil, shampoo, etc. Roosa & Ratliff Chemical Co. 180,527; Mar. 4; Serial No. 185,621; published Dec. 11, 1923.
Perfume extracts, face powder, cleansing cream, etc., Essence of. A. M. Samson. 180,546; Mar. 4; Serial No. 180,242; published Nov. 27, 1923.
Perfume extracts, lotions, toilet waters, etc. M. Babani. 180,518; Mar. 4; Serial No. 185,912; published Dec. 11, 1923.
Perfume for driving off mosquitoes or similar insects. Geo. H. Gould & Son. 180,499; Mar. 4; Serial No. 185,457; published Dec. 11, 1923.

Perfume, toilet water, face and talcum powders, etc. Coty, Inc. 180,540; Mar. 4; Serial No. 180,107; published Dec. 11, 1923.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 180,494; Mar. 4; Serial No. 185,463; published Dec. 11, 1923.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 180,500–2; Mar. 4; Serial Nos. 185,460–2; published Dec. 11, 1923.
Perfume, toilet water, face powders, etc. Houbigant, Inc. 180,550–1; Mar. 4; Serial Nos. 184,910–11; published Dec. 18, 1923.
Perfumes. Coty, Inc. 180,661; Mar. 4; Serial No. 180,102; published Dec. 18, 1923.
Perfumes. Societe Guerlain. 180,554; Mar. 4; Serial No. 183,769; published Dec. 18, 1923.
Perfumes, toilet water, and eau de Cologne. Coty, Inc. 180,654; Mar. 4; Serial No. 180,100; published Dec. 18, 1923.
Perfumes, toilet water, face and talcum powders, etc. R. de Soria. 180,516; Mar. 4; Serial No. 185,961; published Dec. 11, 1923.
Perfumes, toilet water, face powder, etc. Coty, Inc. 180,660; Mar. 4; Serial No. 180,103; published Dec. 18, 1923.
Perfumes, toilet water, face powder, etc. Memphis Drug Company. 180,563; Mar. 4; Serial No. 166,892; published Dec. 18, 1923.
Perfumes, toilet waters, eau de Cologne, brilliantine, etc. Velsch & Holtz. 180,528; Mar. 4; Serial No. 185,638; published Dec. 11, 1923.
Perfumes, toilet waters, face creams, etc. L. Cohn. 180,624; Mar. 4; Serial No. 186,217; published Dec. 11, 1923.
Perfumes, toilet waters, face powders and creams, and rouge. L. Philippe. 180,721; Mar. 4; Serial No. 184,098; published Dec. 18, 1923.
Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 180,569; Mar. 4; Serial No. 178,145; published Dec. 18, 1923.
Pharmaceutical preparation. Hicks & Johnson. 180,616; Mar. 4; Serial No. 186,057; published Dec. 18, 1923.
Pharmaceutical products. Farbenfabriken, vormals Friedr. Bayer & Co. 24,722; renewed May 15, 1924.
Pile remedy. A. Green. 180,611; Mar. 4; Serial No. 172,039; published Dec. 11, 1923.
Pipe cleaner, Waste. J. A. Sexauer Mfg. Co. 180,572; Mar. 4; Serial No. 184,872; published Dec. 18, 1923.
Plasters and medicated adhesive tape. Deane Plaster Co. 180,578; Mar. 4; Serial No. 170,970; published Dec. 18, 1923.
Powder and cream, Face. Pompeian Mfg. Company. 180,619; Mar. 4; Serial No. 186,026; published Dec. 18, 1923.
Powder and rouge, Cosmetic. A. Polansky. 180,541; Mar. 4; Serial No. 177,324; published Dec. 11, 1923.
Powder for cleansing and softening the skin. W. S. Stoner. 180,573; Mar. 4; Serial No. 184,693; published Dec. 18, 1923.
Powders and creams, perfumes, etc., Face. H. J. Carman. 180,506; Mar. 4; Serial No. 185,410; published Dec. 11, 1923.
Powders, Talcum. C. Tetlow. 180,732; Mar. 4; Serial No. 183,422; published Dec. 18, 1923.
Preparation for coughs and colds. Pete Smith & Son. 180,513; Mar. 4; Serial No. 184,901; published Dec. 18, 1923.
Preparation for gastro-intestinal diseases. Societe Francaise de Recherches et Applications Scientifiques. 180,769; Mar. 4; Serial No. 184,189; published Dec. 18, 1923.
Preparation for hair restoring and growing. J. A. Rogers. 180,570; Mar. 4; Serial No. 183,891; published Dec. 18, 1923.
Preparation for the treatment of piles. J. Sheehan. 180,617; Mar. 4; Serial No. 186,028; published Dec. 18, 1923.
Preparation for the treatment of pyorrhea alveolaris. Medico-Dental Specialty Co. 180,526; Mar. 4; Serial No. 185,605; published Dec. 11, 1923.
Preparation for the treatment of rheumatism, lumbago, etc. S. Vander Wheelen. 180,544; Mar. 4; Serial No. 183,013; published Dec. 11, 1923.
Preparation for use in the treatment of tuberculosis. Crenshaw & Horne. 180,553; Mar. 4; Serial No. 183,820; published Dec. 4, 1923.
Preparations used for the prevention and treatment of germ diseases. General Laboratories. 180,666; Mar. 4; Serial No. 181,885; published Dec. 18, 1923.
Preservative for pound and trap nets. G. A. Heuer. 180,700; Mar. 4; Serial No. 186,231; published Dec. 11, 1923.
Raw materials and essential oils for manufacturing hair tonics, etc. R. M. Froehlich. 180,656; Mar. 4; Serial No. 179,529; published Nov. 20, 1923.
Remedies for indigestion and dyspepsia. Cofield Laboratories, Inc. 180,764; Mar. 4; Serial No. 184,324; published Dec. 18, 1923.
Remedy for dyspepsia and indigestion. Stothart's Drug Store. 180,547; Mar. 4; Serial No. 183,542; published Dec. 18, 1923.
Remedy for enteric disturbances. Farbenfabriken vorm. Friedr. Bayer & Co. 180,532; Mar. 4; Serial No. 185,573; published Dec. 11, 1923.
Remedy for piles. H. O. Brown. 180,628; Mar. 4; Serial No. 182,397; published Dec. 18, 1923.
Remedy for treatment of fainting fits, etc. Societe Francaise de Recherches et Applications Scientifiques. 180,768; Mar. 4; Serial No. 184,188; published Dec. 18, 1923.
Rouge, Lip. Remiller Co. 180,699; Mar. 4; Serial No. 186,292; published Dec. 11, 1923.
Sachet, tooth powder, cold cream, etc. Richard Hudnut. 180,620; Mar. 4; Serial No. 186,188; published Mar. 4, 1924.
Sachet, tooth powder, cold cream, etc. Richard Hudnut. 180,625–6; Mar. 4; Serial Nos. 186,190–1; published Dec. 11, 1923.
Salt. Bernard & Blanchard. 180,774; Mar. 4; Serial No. 183,902; published Dec. 18, 1923.
Salt. McDaniel & Co. 180,841; Mar. 4.
Salt compound, Granular effervescing. Physio-Chemical Laboratories, Inc. 180,758; Mar. 4; Serial No. 173,672; published Dec. 18, 1923.
Salt, Dry chemical mixture of health. Abbey Effervescent Salt Company. 180,640; Mar. 4; Serial No. 180,644; published Dec. 18, 1923.
Salt mixture, Dry chemical. Abbey Effervescent Salt Company. 180,634; Mar. 4; Serial No. 180,645; published Dec. 18, 1923.
Salve. M. E. Bidelman. 180,629; Mar. 4; Serial No. 182,464; published Dec. 18, 1923.
Salve. Columbus Chemical Company. 180,557; Mar. 4; Serial No. 165,740; published Dec. 4, 1923.
Salve for itch, sores, etc. F. A. Harness. 180,615; Mar. 4; Serial No. 186,128; published Dec. 18, 1923.
Salve, Healing. C. F. Ross. 180,548; Mar. 4; Serial No. 183,454; published Dec. 18, 1923.
Shampoo, Hair. Jackson-Rogers Company. 180,514; Mar. 4; Serial No. 185,871; published Dec. 11, 1923.
Shampoo, Hair. M. Tomacelli. 180,586; Mar. 4; Serial No. 182,942; published Dec. 18, 1923.
Soda, Caustic. United States Alkali Export Association Inc. 180,726; Mar. 4; Serial No. 184,009; published Dec. 18, 1923.
Sulpho-chromic salts for making battery fluids. Central Scientific Company. 180,498; Mar. 4; Serial No. 185,447; published Dec. 11, 1923.
Sulphur. San Francisco Sulphur Co. 180,642–3; Mar. 4; Serial Nos. 177,869–70; published Dec. 18, 1923.
Talcum, face powder, bath salts, etc. Richard Hudnut. 180,517; Mar. 4; Serial No. 185,969; published Dec. 18, 1923.
Tea for the treatment of obesity. W. C. Boethling. 180,739; Mar. 4; Serial No. 183,247; published Dec. 18, 1923.
Toilet lotion for chapped hands and face. M. S. Hoechstetter. 180,658; Mar. 4; Serial No. 181,599; published Dec. 18, 1923.
Toilet preparations. George Borgfeldt & Co. 180,509; Mar. 4; Serial No. 185,104; published Dec. 18, 1923.
Toilet preparations. Maison Gerry, Inc. 180,559; Mar. 4; Serial No. 174,139; published Dec. 4, 1923.
Toilet preparations, Perfumed. Lecaron et Fils. 23,977; renewed Jan. 2, 1924.
Tonic. Thacher Medicine Company. 180,694; Mar. 4; Serial No. 186,398; published Dec. 18, 1923.
Tonic for treating anæmia, low vitality, etc. Fontola Medicine Co. 180,773; Mar. 4; Serial No. 183,912; published Dec. 18, 1923.
Tonic, Nutrient. Hance Brothers & White Incorporated. 180,495; Mar. 4; Serial No. 185,519; published Dec. 11, 1923.
Tonic used in the treatment of kidney diseases, etc., Medicated health. M. A. Kimble. 180,647; Mar. 4; Serial No. 176,481; published Dec. 18, 1923.
Tonics, Medical. T. G. Walton Company. 180,504–5; Mar. 4; Serial No. 185,391–2; published Dec. 11, 1923.
Tooth paste. Goughnour & Shields. 180,552; Mar. 4; Serial No. 184,909; published Dec. 18, 1923.
Tooth paste. Mar-Son Medicine Co. 180,729; Mar. 4; Serial No. 183,844; published Dec. 18, 1923.
Tooth-stain remover. Medico-Dental Specialty Co. 180,718; Mar. 4; Serial No. 185,344; published Dec. 18, 1923.

CLASS 10.

Fertilizers. Emil Winter Company. 24,762; renewed May 22, 1924.

CLASS 12.

Building columns and tubing. Lally Column Company. 180,822; Mar. 4.
Plaster. Universal Gypsum Company. 180,724; Mar. 4; Serial No. 184,572; published Dec. 18, 1923.
Stucco. W. H. Jones. 180,828; Mar. 4.

CLASS 13.

Enameled ironware. Kohler Company. 180,807; Mar. 4.

CLASS 15.

Grease and oils, Animal. Emil Winter Company. 24,928; renewed June 26, 1924.

CLASS 17.

Tobacco, Smoking. Larus & Brothers Company. 180,799; Mar. 4; Serial No. 187,226; published Dec. 25, 1923.

CLASS 21.

Electrical transformer casings. Pittsburgh Transformer Company. 180,809; Mar. 4.
Conduits and insulated electrical conductors, Flexible electrical. Tubular Woven Fabric Company. 180,673; Mar. 4; Serial No. 166,763; published Dec. 4, 1923.
Fans, Electric. Consolidated Electric Company. 180,667; Mar. 4; Serial No. 166,946; published Dec. 4, 1923.
Electrical condensers. Radio Condenser Co. 180,669; Mar. 4; Serial No. 166,856; published Dec. 4, 1923.
Electrical fuses. Economy Fuse and Manufacturing Company. 180,677; Mar. 4; Serial No. 186,318; published Dec. 4, 1923.
Electrical plug clusters. Benjamin Electric Manufacturing Company. 180,672; Mar. 4; Serial No. 186,582; published Dec. 4, 1923.
Plug sockets. Benjamin Electric Manufacturing Company. 180,668; Mar. 4; Serial No. 186,865; published Dec. 4, 1923.
Radio equipment. Chas. A. Branston, Inc. 180,806; Mar. 4.
Radiotelephone receiving loops, radiofrequency transformers, etc. Mu-Rad Laboratories, Inc. 180,679; Mar. 4; Serial No. 185,665; published Dec. 4, 1923.
Telephones, Loud-speaking. C. Brandes, Inc. 180,675; Mar. 4; Serial No. 185,915; published Dec. 4, 1923.
Telephonic head sets. Dictograph Products Corporation. 180,556; Mar. 4; Serial No. 165,987; published Dec. 4, 1923.
Variocouplers. Lanco Coupler Company. 180,534; Mar. 4; Serial No. 187,109; published Dec. 4, 1923.
Wireless apparatus, Electrical resistance for. Allen-Bradley Company. 180,535; Mar. 4; Serial No. 186,974; published Dec. 4, 1923.

CLASS 22.

Game, Portable ninepin. B. H. Dyas. 180,709; Mar. 4; Serial No. 187,376; published Dec. 18, 1923.
Swimming apparatus. G. G. B. Kjelgaard. 180,704; Mar. 4; Serial No. 187,822; published Dec. 18, 1923.
Toys. Gong Bell Manufacturing Company. 180,808; Mar. 4.

CLASS 23.

Automobile transmissions. Partridge, Singer & Baldwin, Inc. 180,742; Mar. 4; Serial No. 160,300; published Oct. 16, 1923.
Signature-stitching and signature-feeding machines and printing machinery. Christensen Machine Co. 180,833; Mar. 4.
Tool for grinding electric contact points. N. A. Anderson. 180,832; Mar. 4.

CLASS 25.

Locks, Sash. National Lock Washer Company. 180,837; Mar. 4.

CLASS 30.

China and earthenware. George Jones & Sons, Limited. 180,705; Mar. 4; Serial No. 149,139; published Dec. 18, 1923.
Earthenware, china, and porcelain plates, table and kitchen ware. Goldenberg's. 180,707; Mar. 4; Serial No. 170,644; published Dec. 25, 1923.
Table and kitchen ware. Lansburgh & Bro., Inc. 180,814; Mar. 4.

CLASS 31.

Refrigerating units, refrigerators, etc. Nizer Corporation. 180,588; Mar. 4; Serial No. 187,438; published Dec. 18, 1923.

CLASS 34.

Asphalt melter. O. Falkenwalde. 180,789; Mar. 4; Serial No. 186,180; published Dec. 18, 1923.
Furnaces, stoves, and ranges. Heckler Bros. 180,831; Mar. 4.
Gas for heating, etc., Self-contained units for storing and supplying. Carbide & Carbon Chemicals Corporation. 180,791; Mar. 4; Serial No. 185,651; published Dec. 18, 1923.
Heaters, Gas. Trolley Supply Co. 180,794; Mar. 4; Serial No. 186,532; published Dec. 18, 1923.
Ranges and stoves, Gas and coal. Tappan Stove Co. 180,561; Mar. 4; Serial No. 169,880; published Dec. 4, 1923.

CLASS 35.

Packing and packing material. Garlock Packing Company. 180,815; Mar. 4.
Packing and packing material. Garlock Packing Company. 180,820–1; Mar. 4.
Tires and rubber tubes therefor, Vehicle. Fisk Rubber Company. 180,727; Mar. 4; Serial No. 183,794; published Dec. 18, 1923.

CLASS 37.

Crayons. Milton Bradley Company. 180,670–1; Mar. 4; Serial Nos. 186,437–8; published Dec. 11, 1923.
Crayons. Milton Bradley Company. 180,674; Mar. 4; Serial No. 186,435; published Dec. 11, 1923.
Filing folders and guides, Vertical. Wabash Cabinet Co. 180,536; Mar. 4; Serial No. 186,970; published Dec. 11, 1923.
Paper, Blotting. H. W. Ellerson. 180,680; Mar. 4; Serial No. 185,820; published Dec. 11, 1923.
Paper, Greaseproof. Blake, Moffit & Towne. 180,539; Mar. 4; Serial No. 187,292; published Dec. 11, 1923.
Paper, Ledger. Chemical Paper Manufacturing Company. 180,584; Mar. 4; Serial No. 187,712; published Dec. 18, 1923.
Papers, Printing and writing. Dill & Collins Co. 180,595; Mar. 4; Serial No. 187,608; published Dec. 18, 1923.
Paper, Wrapping. Blake, Moffitt & Towne. 180,537; Mar. 4; Serial No. 187,286; published Dec. 11, 1923.
Paper, Wrapping. Diem & Wing Paper Co. 180,589; Mar. 4; Serial No. 187,565; published Dec. 18, 1923.
Paper, Writing. Fox River Paper Company. 180,590; Mar. 4; Serial No. 187,617; published Dec. 18, 1923.
Paper, Writing and printing. Chemical Paper Manufacturing Company. 180,669; Mar. 4; Serial No. 187,713; published Dec. 18, 1923.
Pencils. Nardi Magazine Pencil Co. 180,560; Mar. 4; Serial No. 172,426; published Dec. 11, 1923.
Pens, Fountain. Sears, Roebuck and Co. 180,538; Mar. 4; Serial No. 187,136; published Dec. 11, 1923.
Registers and parts thereof, Autographic. Autographic Register Company. 180,676; Mar. 4; Serial No. 186,266; published Dec. 11, 1923.
Paper and stationery. Berlin & Jones Company. 180,565; Mar. 4; Serial No. 176,782; published Dec. 11, 1923.
Tablets, composition books, etc., Writing and school. Osborn Paper Company. 180,690; Mar. 4; Serial No. 187,764; published Dec. 18, 1923.
Ticket bristol. J. P. Lewis Company. 180,562; Mar. 4; Serial No. 168,474; published Dec. 11, 1923.
Wedges. E. E. Dornaus. 180,637; Mar. 4; Serial No. 178,235; published Dec. 18, 1923.

CLASS 38.

Dictionaries. G. & C. Merriam Company. 180,830; Mar. 4.
Dictionaries. G. & C. Merriam Company. 180,834–6; Mar. 4.
Dictionaries. G. & C. Merriam Company 180,838–40; Mar. 4.

CLASS 39.

Apparel, Children's and infants' wearing. H. Frohlichstein. 180,664; Mar. 4; Serial No. 182,796; published Dec. 11, 1923.
Apparel, Ready-made women's. Ferguson, Weinberg & Rose. 180,641; Mar. 4; Serial No. 177,662; published Dec. 18, 1923.
Aprons, Dress. M. E. Smith & Co. 180,793; Mar. 4; Serial No. 186,968; published Dec. 18, 1923.
Aprons, dresses, and frocks. J. Zukin. 180,644; Mar. 4; Serial No. 177,888; published Dec. 18, 1923.
Boots, shoes, and slippers. Shepard Norwell Company. 180,577; Mar. 4; Serial No. 172,187; published Apr. 10, 1923.
Boots, shoes, and slippers. Thomas G. Plant Company. 180,749; Mar. 4; Serial No. 169,322; published Nov. 7, 1922.
Boots, shoes, and slippers and their components. D. B. Macdonald. 180,720; Mar. 4; Serial No. 184,087; published Dec. 18, 1923.
Clothes for men and boys, Working. Bender Company. 180,762; Mar. 4; Serial No. 184,633; published Dec. 11, 1923.
Coats and vests, Leather. Fried. Ostermann Company. 180,797; Mar. 4; Serial No. 187,104; published Dec. 18, 1923.
Coats, capes, suits, and dresses, Ladies'. A. Beller & Company. 180,787; Mar. 4; Serial No. 185,359; published Dec. 18, 1923.
Coats, suits, dresses, etc., Women's. Avedon & Co. 180,796; Mar. 4; Serial No. 187,032; published Dec. 18, 1923.
Coats, vests, trousers, and overcoats, Men's, youths'. Moses-Rothchild Co. 180,587; Mar. 4; Serial No. 187,228; published Dec. 18, 1923.
Collars, pyjamas, and shirts, Men's and boys'. H. Berger. 180,639; Mar. 4; Serial No. 180,205; published Dec. 18, 1923.
Corsets. Bonwit Teller & Co. 180,714; Mar. 4; Serial No. 185,741; published Dec. 11, 1923.
Dresses, coats, suits, waists, sweaters, hosiery, etc. M. Geeria & Son. 180,780; Mar. 4; Serial No. 185,118; published Dec. 18, 1923.
Garments or clothing, Men's outer. Diehl, Kane & Diehl Tailoring Co. 180,638; Mar. 4; Serial No. 179,784; published Dec. 18, 1923.
Gloves. P. Centemeri & Co. 180,719; Mar. 4; Serial No. 185,429; published Dec. 11, 1923.
Gloves. P. Centemeri & Co. 180,783; Mar. 4; Serial No. 185,436; published Dec. 11, 1923.
Gloves, Ladies' silk. Carson Pirie Scott & Co. 180,703; Mar. 4; Serial No. 185,563; published Dec. 11, 1923.
Gloves, underwear, and hosiery. P. Centemeri & Co. 180,784; May 4; Serial No. 185,414; published Dec. 18, 1923.
Hats. R & W Hat Shop, Inc. 180,713; Mar. 4; Serial No. 185,673; published Dec. 11, 1923.
Hats, dresses, wraps, etc. Maison Maurice, Inc. 180,795; Mar. 4; Serial No. 186,481; published Dec. 18, 1923.
Hats, Ladies'. H. L. Distillator & Son, Inc. 180,715; Mar. 4; Serial No. 186,221; published Dec. 11, 1923.
Hats, Men's. Weber and Heilbroner. 180,790; Mar. 4; Serial No. 185,805; published Dec. 11, 1923.

Hosiery. Bethlehem Narrow Textiles Co. 180,796; Mar. 4; Serial No. 187,194; published Dec. 18, 1923.
Hosiery. Ipswich Mills. 180,757; Mar. 4; Serial No. 172,334; published Sept. 18, 1923.
Overalls, work jackets, trousers, and shirts. Burlington Overall Manufacturing Company. 180,583; Mar. 4; Serial No. 162,373; published Feb. 13, 1923.
Shoes. Niagara Shoe Company. 180,526; Mar. 4.
Shirts, trousers, and overalls, Work. Blue Ridge Manufacturing Company. 180,652; Mar. 4; Serial No. 177,824; published Dec. 11, 1923.
Shirts, trousers, and overalls, Work. Blue Ridge Manufacturing Company. 180,653; Mar. 4; Serial No. 177,822; published Dec. 11, 1923.
Shirts, Workingmen's. M. H. Cowen Manufacturing Company. 180,580; Mar. 4; Serial No. 168,452; published Dec. 18, 1923.
Suits for boys and girls, and knickers and outing suits for men and women. Delaware Garment Company. 180,786; Mar. 4; Serial No. 185,364; published Nov. 20, 1923.
Suits, Outer. C. E. Reith. 180,756; Mar. 4; Serial No. 172,122; published May 29, 1923.
Sweater coats, jerseys, bathing suits, etc. Los Angeles Knitting Company. 180,590; Mar. 4; Serial No. 174,968; published Dec. 18, 1923.
Sweater coats, jerseys, bathing suits, and scarfs. Los Angeles Knitting Company. 180,594; Mar. 4; Serial No. 174,967; published Dec. 18, 1923.
Sweaters and vests, Knitted. B R Baker Co. 180,645; Mar. 4; Serial No. 175,376; published Dec. 18, 1923.
Underwear. Hodes Mills Inc. 180,725; Mar. 4; Serial No. 184,452; published Dec. 18, 1923.
Underwear for women and children. H. K. Grout. 180,781; Mar. 4; Serial No. 184,725; published Dec. 18, 1923.
Underwear, Men's and boys'. Hodes Mills Inc. 180,723; Mar. 4; Serial No. 184,451; published Dec. 18, 1923.
Union suits and vests and bathing suits, Ladies'. Augusta Knitting Corporation. 180,576; Mar. 4; Serial No. 174,284; published Dec. 18, 1923.
Union suits, vests, and bathing suits, Ladies'. Augusta Knitting Corporation. 180,759; Mar. 4; Serial No. 174,283; published Dec. 11, 1923.

CLASS 42.

Cloth, Printed cotton. J. L. Stifel & Sons. 180,604; Mar. 4; Serial No. 186,487; published Dec. 18, 1923.
Cotton and cotton and silk goods in the piece. Lorraine Manufacturing Company. 180,824; Mar. 4.
Cotton and silk and cotton textiles. Clarence Whitman & Son. 180,805; Mar. 4.
Cotton cloth in the piece. L. J. Marshuetz. 180,701; Mar. 4; Serial No. 171,133; published Dec. 18, 1923.
Cotton, silk, linen, etc., piece goods. Jacob Miller's Sons Co. 180,601; Mar. 4; Serial No. 187,688; published Dec. 25, 1923.
Cotton, wool, and silk goods. Lorraine Manufacturing Company. 180,823; Mar. 4.
Hair nets. Abraham & Straus, Inc. 180,602; Mar. 4; Serial No. 186,404; published Dec. 18, 1923.
Knit goods in the piece. A. F. Huebner. 180,702; Mar. 4; Serial No. 176,345; published Dec. 25, 1923.
Muslins, sheeting, pillowcases, etc. John H. Hibben Dry Goods Co. 180,605; Mar. 4; Serial No. 186,505; published Dec. 18, 1923.
Silk fabrics, Broad-. Klots Silk Manufacturing Co. 180,842; Mar. 4.
Silk piece goods. H. R. Mallinson & Co. 180,598; Mar. 4; Serial No. 186,559; published Dec. 18, 1923.
Upholstery and drapery textile fabrics of wool, silk, etc. Morton Brothers Inc. 180,600; Mar. 4; Serial No. 187,586; published Dec. 25, 1923.
Velour coating piece goods, Wool. C. Bahnsen & Co. 180,597; Mar. 4; Serial No. 186,541; published Dec. 18, 1923.
Woolen piece goods. Atlantic Mills. 180,803; Mar. 4; Serial No. 186,406; published Dec. 11, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 180,599; Mar. 4; Serial No. 186,896; published Mar. 4, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 180,606; Mar. 4; Serial No. 186,372; published Dec. 18, 1923.
Worsted and woolen textile fabrics. Holden-Leonard Company. 180,607; Mar. 4; Serial No. 186,374; published Dec. 18, 1923.

CLASS 43.

Thread, Linen. Linen Thread Company. 180,706; Mar. 4; Serial No. 160,711; published Dec. 25, 1923.

CLASS 45.

Beverage and sirup for making the same. Pure Products Syrup Corporation. 180,816; Mar. 4.
Beverages and sirups, extracts, emulsions, and pastes for making the same. American Syrup Company. 180,751; Mar. 4; Serial No. 168,191; published Dec. 18, 1923.
Beverages sold as soft drinks. S. Seltzer. 180,648; Mar. 4; Serial No. 176,101; published Dec. 18, 1923.
Beverages sold as soft drinks, and sirups for making same. V. Jones. 180,716; Mar. 4; Serial No. 186,380; published Dec. 18, 1923.
Sirup for carbonated beverages, Maltless. R. H. Smith. 180,760; Mar. 4; Serial No. 184,427; published Dec. 18, 1923.

CLASS 46.

Apples, Fresh. National Fruit Product Company. 180,708; Mar. 4; Serial No. 186,388; published Dec. 18, 1923.
Bread. C. Garlek. 180,650; Mar. 4; Serial No. 178,605; published Dec. 18, 1923.
Bread. Heimbach Baking Company. 180,657; Mar. 4; Serial No. 179,270; published Dec. 18, 1923.
Bread, biscuit, and fancy cakes. R. Smith. 23,788; renewed Nov. 7, 1923.
Candy. Bonita Co. 180,767; Mar. 4; Serial No. 184,637; published Dec. 18, 1923.
Candy bar, Chocolate-covered. Shotwell Mfg. Co. 180,800; Mar. 4; Serial No. 158,898; published Dec. 11, 1923.
Candies, bonbons, ice cream, and water ices. Lindroth Brothers. 180,819; Mar. 4.
Canned beans and pork, vegetables, and clams. Burnham & Morrill Company. 180,712; Mar. 4; Serial No. 185,557; published Dec. 18, 1923.
Canned crab meat. Taiyo Trading Company. 180,665; Mar. 4; Serial No. 182,274; published Dec. 18, 1923.
Canned fruits. Hunt Brothers Packing Company. 180,711; Mar. 4; Serial No. 187,463; published Dec. 18, 1923.
Canned fruits and berries. Springbrook Canning Company. 180,508; Mar. 4; Serial No. 185,055; published Dec. 18, 1923.
Canned fruits and berries. Starr Fruit Products Co. 180,688; Mar. 4; Serial No. 187,356; published Dec. 18, 1923.
Canned fruits and fruit preserves, canned vegetables, etc. Reid, Murdoch & Co. 180,558; Mar. 4; Serial No. 163,176; published Nov. 20, 1923.
Canned fruits and vegetables. Beesemyer-Waggoner, Inc. 180,531; Mar. 4; Serial No. 185,687; published Nov. 13, 1923.
Canned fruits, vegetables, and fish, jam, etc. M. Harding. 180,803; Mar. 4; Serial No. 164,912; published Dec. 11, 1923.
Canned pineapple. Henry P. Baldwin, Ltd. 180,687; Mar. 4; Serial No. 187,283; published Dec. 18, 1923.
Canned salmon. Alaska Pacific Fisheries. 180,696; Mar. 4; Serial No. 187,277; published Dec. 18, 1923.
Canned salmon. Sea Coast Packing Co. 180,750; Mar. 4; Serial No. 168,648; published Dec. 18, 1923.
Canned tomatoes. H. Traub's Sons. 180,585; Mar. 4; Serial No. 174,710; published Dec. 18, 1923.
Cereal, Breakfast. Ward Baking Company. 180,775; Mar. 4; Serial No. 183,509; published Dec. 18, 1923.
Chocolate creams. Fitger Company. 180,615; Mar. 4; Serial No. 171,166; published Dec. 11, 1923.
Coffee. American Tea & Coffee Co. 180,766; Mar. 4; Serial No. 185,170; published Dec. 18, 1923.
Coffee. Coffee Products Corporation. 180,710; Mar. 4; Serial No. 187,453; published Dec. 18, 1923.
Coffee, tea, chocolate, molasses, etc. Milliken, Tomlinson Co. 180,614; Mar. 4; Serial No. 169,314; published Dec. 18, 1923.
Confectionery. Spongette Pure Food Company. 180,651; Mar. 4; Serial No. 178,478; published Dec. 18, 1923.
Extracts, flavors, seasonings, etc. B. Heller & Company. No. 180,813; Mar. 4.
Feed and wheat flour. J. H. Wilkes & Co. 180,817; Mar. 4.
Feed, Stock. Arkadelphia Milling Company. 180,733; Mar. 4; Serial No. 183,641; published Dec. 18, 1923.
Flavoring extracts. A. Beck. 180,802; Mar. 4; Serial No. 146,196; published Dec. 11, 1923.
Flavoring extracts, paste vanillas and coffees. M. A. Shepardson. 180,804; Mar. 4; Serial No. 159,623; published Dec. 11, 1923.
Flour, Hard-wheat. Kell Milling Company. 180,659; Mar. 4; Serial No. 181,127; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,662; Mar. 4; Serial No. 183,028; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,663; Mar. 4; Serial No. 182,802; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,736; Mar. 4; Serial No. 183,287; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,776; Mar. 4; Serial No. 183,032; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,778; Mar. 4; Serial No. 183,478; published Dec. 18, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 180,779; Mar. 4; Serial No. 183,031; published Dec. 18, 1923.
Foods. C. W. McClure. 180,631; Mar. 4; Serial No. 182,165; published Dec. 18, 1923.
Fruits, Citrous. C. C. Chapman. 180,633; Mar. 4; Serial No. 181,377; published Dec. 18, 1923.
Grapes, Fresh. Navelencia Fruit Growers. 180,782; Mar. 4; Serial No. 184,618; published Dec. 18, 1923.
Ice-cream cones. Brower Candy Co. 180,811; Mar. 4.

Macaroni. Wisconsin Macaroni Company. 180,801; Mar. 4; Serial No. 182,205; published Dec. 18, 1923.
Meringue and icing powder. E. J. Burgess. 180,741; Mar. 4; Serial No. 182,536; published Nov. 27, 1923.
Milk, buttermilk and cream, Pasteurized. Breyer-Sharpless Milk Association. 180,810; Mar. 4.
Milk, cream, buttermilk, butter, and cheese. Holstein-Friesian Association of America. 180,731; Mar. 4; Serial No. 183,973; published Dec. 18, 1923.
Milk, cream, ice cream, etc. Supplee-Wills-Jones Milk Company. 180,740; Mar. 4; Serial No. 183,473; published Dec. 18, 1923.
Nuts and glacé fruit candies. Charles S. Cash, Inc. 180,825; Mar. 4.
Pretzels. Moyer Bros. 180,549; Mar. 4; Serial No. 183,311; published Dec. 18, 1923.
Sweets and relishes. E. V. Minetti. 180,632; Mar. 4; Serial No. 182,217; published Dec. 18, 1923.
Tablets for food purposes only. J. G. Munsell. 180,635; Mar. 4; Serial No. 181,765; published Dec. 18, 1923.
Wafers, cookies, biscuits, Sugar. Lakeside Biscuit Co. 180,545; Mar. 4; Serial No. 182,213; published Nov. 20, 1923.
Waffle and pancake flour. S. M. Phillips. 180,827; Mar. 4.

CLASS 48.

Beer. Pabst Corporation. 180,818; Mar. 4.

CLASS 50.

Biological models. F. M. Jewell. 180,812; Mar. 4.
Designs and photographs on glass and metal. Photoplating Company. 180,752; Mar. 4; Serial No. 166,536; published Dec. 18, 1923.
Incubators, brooders, trap nests, etc. Newtown Giant Incubator Corporation. 180,763; Mar. 4; Serial No. 184,254; published Dec. 18, 1923.
Packages or outfits containing materials for making lamp shades, etc. Bernard W. Cowen Corp. 180,747; Mar. 4; Serial No. 166,286; published Dec. 18, 1923.
Packages or outfits containing materials for making lamp shades, night lights, etc. Bernard W. Cowen Corp. 180,748; Mar. 4; Serial No. 166,285; published Dec. 18, 1923.
Traps, Game. Norwich Wire Works, Inc. 180,730; Mar. 4; Serial No. 183,848; published Dec. 18, 1923.

ALPHABETICAL LIST OF LABELS.

Andy Has the Name But Here Is The Brush, Andy's Dream Realized. For Foldable Hairbrush. R. F. Egner. 27,037; Mar. 4.
Barbasol. For Shaving Cream. Barbasol Company. 27,021; Mar. 4.
Belle Vernon. For Pasteurized Milk. Telling-Belle Vernon Co. 27,052; Mar. 4.
Blueo. For Wash Bluing. National Marking Machine Company. 27,044; Mar. 4.
Bosch. For Spark Plugs and Accessories. Robert Bosch Aktiengesellschaft. 27,022; Mar. 4.
Brass Machine Screws Fillister Head. For Screws. Economy Screw Corporation. 27,036; Mar. 4.
Brass Machine Screws Flat Head. For Screws. Economy Screw Corporation. 27,035; Mar. 4.
Brass Machine Screws Round Head. For Screws. Economy Screw Corporation. 27,034; Mar. 4.
Coleman Junior Mantles. For Mantles for Lamps and Lanterns. Coleman Lamp Company. 27,027; Mar. 4.
Coleman Mantles. For Mantles for Lamps and Lanterns. Coleman Lamp Company. 27,025; Mar. 4.
Five Point. For Honey (Strained). California Honey Distributors. 27,024; Mar. 4.
Florida Key Brand. For Honey. C. E. Bartholomew. 27,022; Mar. 4.
For-Get-Me-Not. For Evaporated Milk. Defiance Dairy Products Co. 27,029; Mar. 4.
Generators. For Generators for Gas-Operated Lamps and Lanterns. Coleman Lamp Company. 27,026; Mar. 4.
Goodman's Pure Egg Dough. A. Goodman & Sons, Inc. 27,039; Mar. 4.
Gra-Nu-Do. For Grated Noodle
Green Mountain. For Bread. F. W. Denison. 27,030; Mar. 4.
Iron Machine Screws Fillister Head. For Screws. Economy Screw Corporation. 27,033; Mar. 4.
Iron Machine Screws Flat Head. For Screws. Economy Screw Corporation. 27,032; Mar. 4.
Iron Machine Screws Round Head. For Screws. Economy Screw Corporation. 27,031; Mar. 4.
Le-O-Plus. For Ointment. C. S. Elioplos. 27,038; Mar. 4.
Mal-Tex Bread. For Bread. S. E. Loveless, Inc. 27,040; Mar. 4.
Mohr Tastidish. For a Vegetable Extract for Kitchen and Table Use. Mohr Food Products, Inc. 27,042; Mar. 4.
Mohr Vegetable Extract. For a Vegetable Extract for Kitchen and Table Use. Mohr Food Products, Inc. 27,041; Mar. 4.
Mohr Zest. For Highly Concentrated Essence of Vegetables for Kitchen and Table Use. Mohr Food Products, Inc. 27,043; Mar. 4.
My Own Bread. For Bread. Banspach Bros. 27,020; Mar. 4.
No-Leak-O oil SEALing. For Piston Rings. No-Leak-O Piston Ring Company. 27,045; Mar. 4.
Obermeyer's Mock Turtle Soup. For Mock Turtle Soup. C. Obermeyer. 27,047; Mar. 4.
Ocean Flower. For Canned Shrimp. J. A. Smith. 27,051; Mar. 4.
One Coleman Quick-Lite Generator. For Generators for Gas-Operated Lamps and Lanterns. Coleman Lamp Company. 27,028; Mar. 4.
Or-Be-Co Choice Hand Picked Pure Michigan Beans. For Bags Containing Beans. Orr Bean & Grain Company. 27,048; Mar. 4.
Purgo. For Medicinal Mineral Water. Purgo Water Co. 27,050; Mar. 4.
Surgical Needles. For Needles. W. H. Welsh & Co. 27,054; Mar. 4.
Tea Time Bread. For Bread. H. Piper Company 27,049; Mar. 4.
Velvet Green Lawn Seed. For Lawn Seed. Northrup, King & Company. 27,046; Mar. 4.
White Pearl. For Spaghetti. Tharinger Macaroni Company. 27,053; Mar. 4.

ALPHABETICAL LIST OF PRINTS.

Calumet Kid Calculator. For Baking Powder. Calumet Baking Powder Company. 7,234; Mar. 4.
Coleman Mantles. For Mantles for Lamps and Lanterns. Coleman Lamp Company. 7,236; Mar. 4.
Comet Rice Cooks light, white and flaky. For Rice. Seaboard Rice Milling Co. 7,242; Mar. 4.
Frisch Bread Wrappers. For Bread Wrappers. American Bread Wrapper Company. 7,232; Mar. 4.
Gee, I Like It. For Bread. Ward Baking Company. 7,243; Mar. 4.
Generators. For Generators for Gas-Operated Lamps and Lanterns. Coleman Lamp Company. 7,235; Mar. 4.
Jell-O With Apples. For Jell-O, a Dessert Preparation. Genesee Pure Food Company. 7,241; Mar. 4.
Les Poudres De Coty. For Powders. Coty, Inc. 7,237–8; Mar. 4.
Time To Buy Easterbrook Coal. For Coal. Easterbrook Coal Company. 7,239; Mar. 4.
Wait Until You Taste It. For Jell-O, a Dessert Preparation. Genesee Pure Food Company. 7,240; Mar. 4.
Wear Knit Underwear. For Knit Underwear. Associated Knit Underwear Manufacturers of America. 7,233; Mar. 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Leland Coal Mining Company. 185,662; Mar. 4.
Logs and cants. Mackie & Barnes, Inc. 170,657; Mar. 4.

CLASS 2.

Boxes, cake closets, buckets, etc., Cash and bread. Republic Metalware Co. 186,076; Mar. 4.
Boxes, cake closets, buckets, etc., Cash and bread. Republic Metalware Co. 186,082–3; Mar. 4.
Cans, pails, washtubs, etc., Ash and garbage. Cincinnati Galvanizing Company. 189,967; Mar. 4.

CLASS 3.

Trucks. Quinlan Motors Company. 190,706; Mar. 4.

CLASS 4.

Abrasive products. Norton Company. 186,921–2; Mar. 4.
Polish, Shoe. B. G. Wallace. 187,072; Mar. 4.
Soaps. I. Rokeach & Sons, Inc. 167,100; Mar. 4.
Washing, cleaning, and polishing compounds. American Ammone Company. 188,652; Mar. 4.

CLASS 5.

Glue. National Gum & Mica Company. 190,263; Mar. 4.

CLASS 6.

Battery compound. L. H. Miller. 190,263; Mar. 4.
Blood purifier. E. O. Evans. 186,548; Mar. 4.
Chemical preparation for disorders of the liver and kidneys. Aseptol Company. 189,752; Mar. 4.
Chemical preparation for use as an oral and dental antiseptic, etc. Aseptol Company. 189,751; Mar. 4.
Chemical product carbonic-acid gas. Keystone Carbonic Gas Company. 189,902; Mar. 4.
Clay, Complexion. F. W. Jewett. 190,165; Mar. 4.
Compound for relieving the effects of the use of tobacco. J. T. Herr. 190,456; Mar. 4.
Cough drops. Curtis Company. 189,611; Mar. 4.
Cough sirup, Liquid. Guaranteed Products Laboratories. 190,543; Mar. 4.
Creams, toilet waters, perfumes, depilatories, etc., Face. J. P. Kruse. 148,444; Mar. 4.
Hair dye. M. F. De Vito. 188,437; Mar. 4.
Hair grower. E. B. Cuddy. 188,588; Mar. 4.
Insecticide, Liquid. Gilpin, Langdon & Company. 189,566; Mar. 4.
Insecticides and fungicides. General Chemical Company. 187,253; Mar. 4.
Ipecac wash for the treatment and prevention of pyorrhea, Antiseptic. Pyoseptol Laboratory. 166,801; Mar. 4.
Laxative. F. S. Hirsch. 190,588; Mar. 4.
Laxative cold tablets. A. C. Onnen. 190,427; Mar. 4.
Liniment. American Radiac Company. 190,565; Mar. 4.
Medical preparation for diseases arising from disordered blood, etc. J. L. Presswood. 189,864; Mar. 4.
Medicine, Alterative and tonic. C. I. Hood Company. 189,407; Mar. 4.
Medicine for indigestion, King's Nu Treatment Laboratories Inc. 190,689; Mar. 4.
Medicine for indigestion, dyspepsia, etc. Zirkle and Henley. 190,455; Mar. 4.
Medicines for use in the treatment of dogs. 4 V Black Tongue Company. 186,591; Mar. 4.
Oxides of cobalt, chromium, selenium, etc. Vitro manufacturing Company. 190,898; Mar. 4.
Perfume, toilet water, face and talcum powders, etc. L. T. Piver, Inc. 190,886; Mar. 4.
Powder, shampoo, etc., Face. Carolina Remedies Company. 191,165; Mar. 4.
Powder, Talcum. Lehn & Fink, Inc. 190,883; Mar. 4.
Powders and creams, perfumes, toilet waters, etc., Face. M. J. Raffy. 190,429; Mar. 4.
Powders, creams, perfumes, toilet waters, etc., Face. J. A. Borden. 190,491; Mar. 4.
Preparation for hay fever, asthma, and catarrh. Temple Pharmacy. 165,971; Mar. 4.
Preparation for the cleaning of teeth. I. Bender. 190,004; Mar. 4.
Preparation for the treatment of constipation and intestinal stasis. Physio-Chemical Laboratories, Inc. 189,582; Mar. 4.
Prophylactic remedy. Reese Chemical Co. 190,269; Mar. 4.
Sulphur spray compounds. F. A. Frazier. 188,900; Mar. 4.
Tonic, Reconstructive. Hance Brothers & White Incorporated. 190,503; Mar. 4.
Tooth paste and dental cleanser, Liquid. C. H. Clark. 189,843; Mar. 4.
Vegetable compound, herb tea, etc. Parry Vegetable Compound Co. 181,772; Mar. 4.

CLASS 12.

Asphalt. Standard Oil Company of Louisiana. 190,211; Mar. 4.
Concrete slabs for building construction. S. Lake. 190,546; Mar. 4.
Doors. J. Edward Ogden Company Incorporated. 151,955; Mar. 4.
Lumber. B. L. Tim Lumber Company. 189,282; Mar. 4.
Paper, Waterproof building. J. J. White Paper Company. 189,651; Mar. 4.
Wall or plaster board, Wooden. Flexo Common Lath Company. 190,777; Mar. 4.

CLASS 13.

Chains, Sprocket, drive, conveying, and power-transmission. Chain Belt Company. 190,531–2; Mar. 4.
Steel tubes. Babcock & Wilcox Tube Co. 190,086; Mar. 4.

CLASS 14.

Castings, Malleable. Southside Malleable Casting Co. 189,174; Mar. 4.
Metal, Babbitt. Marks Lissberger & Son, Inc. 187,683; Mar. 4.
Steel sheets, auto sheets, terne plates, etc. Republic Metalware Co. 186,075; Mar. 4.
Steel sheets, auto sheets, terne plates, etc. Republic Metalware Co. 186,077–8; Mar. 4.

CLASS 15.

Oils, Lubricating. Standard Oil Company, (New Jersey). 190,746; Mar. 4.

CLASS 16.

Polish, Automobile. C. S. Henshaw. 186,707; Mar. 4.

CLASS 17.

Cigarettes. J. Wix & Sons, Ltd. 190,482; Mar. 4.
Cigars. Bama Cigar Company. 190,566; Mar. 4.
Cigars. V. Levor. 187,826; Mar. 4.
Cigars. G. R. Toledano. 176,371; Mar. 4.

CLASS 19.

Automobiles, Emergency axles for. Kitauto Company. 185,757; Mar. 4.
Bicycles and velocipedes. D. P. Harris Hardware & Mfg. Co. 190,586; Mar. 4.

CLASS 21.

Drills and electrically-operated punch presses, Electric. A. F. Way Company. 188,288; Mar. 4.
Electric equipment and radio apparatus, etc. Briggs & Stratton Company. 172,414; Mar. 4.
Electrical condensers. Ben Franklin Radio Manufacturing Company. 188,542; Mar. 4.
Flood lights and spotlights. Reflector & Illuminating Co. 188,569–70; Mar. 4.
Galvanic and dry cells, dry batteries, etc. M. Zeller. 186,310; Mar. 4.
Heaters, Electric. Consolidated Car-Heating Company. 172,976; Mar. 4.
Lamps, vehicle lamps, and spotlights, Head. Fyrac Manufacturing Co. 188,196; Mar. 4.
Plugs, porcelain switch bases, inclosed fuse contacts, etc., Attachment. E. H. Freeman Electric Co. 156,366; Mar. 4.
Radio accessories. Rova Radio Products Corporation. 187,172; Mar. 4.
Radio apparatus. Pacent Electric Company. 188,608; Mar. 4.
Radio outfits, devices, and accessories. Rova Radio Products Corporation. 187,173; Mar. 4.
Radio outfits, devices, and accessories. Service Radio Corporation. 187,176; Mar. 4.
Radio receiving, detecting, and transmitting sets and parts thereof, crystal receiving sets, etc. Columbia Graphophone Manufacturing Company. 184,713; Mar. 4.
Telephone systems, Automatic. Automatic Electric Company. 190,398; Mar. 4.
Tuners, phones, condensers, and parts thereof. Rova Radio Products Corporation. 187,694; Mar. 4.

CLASS 22.

Balls, Playing. Faultless Rubber Company. 191,306; Mar. 4.
Cards, Playing. J. L. Harris. 190,585; Mar. 4.
Cards, Playing. United States Playing Card Company. 185,996; Mar. 4.
Golf clubs. A. L. Breitenbaugh. 190,530; Mar. 4.
Gymnasium apparatus. W. U. Alastalo. 187,446; Mar. 4.
Pads, Body-protecting. Western Sporting Goods Mfg. Co. 173,374; Mar. 4.
Toy railway. M. L. Ely. 189,303; Mar. 4.
Toy tool boxes, trunks, wardrobes, and davenports. H. Green. 187,517; Mar. 4.

CLASS 23.

Engines and their parts, Internal-combustion. Ray Motor Company. 171,956; Mar. 4.
Hammers, hatchets, bits, saws, etc. Markt & Hammacher Company. 172,234; Mar. 4.
Saws, saw swages, saw-fitting tools, etc. E. C. Atkins & Company. 188,357; Mar. 4.
Vending machines. C. D. Jennings & Company. 189,161; Mar. 4.
Woodworking machines, Universal. Sidney Machine Tool Company. 187,354; Mar. 4.

CLASS 24.

Ironing and washing machines, Clothes. Apex Electrical Manufacturing Company. 188,519; Mar. 4.

CLASS 25.

Automobiles, Locking caps for radiators of. Wolverine Metal Specialties Co. 183,683; Mar. 4.

CLASS 26.

Glasses and water columns, Gauge. Edna Brass Mfg. Co. 191,069; Mar. 4.

CLASS 27.

Clocks. New Haven Clock Co. 184,981; Mar. 4.
Watch movements. Castleberg National Jewelry Company. 175,846–7; Mar. 4.

CLASS 28.

Silver tableware, Solid-. William B. Durgin Co. 175,137; Mar. 4.

CLASS 29.

Brushes. Chicago Brush Manufacturing Co. 189,882; Mar. 4.

CLASS 32.

Piano benches, music-roll cabinets, and novelty furniture. Art Novelty Company. 190,226; Mar. 4.
Shade tassels. F. W. Maurer & Sons Co. 189,324–5; Mar. 4.
Shade tassels. F. W. Maurer & Sons Co. 189,328; Mar. 4.

CLASS 33.

Glass lighting devices. H. D'Olier, jr. 189,186; Mar. 4.
Glass, Structural. F. M. Richards. 188,163; Mar. 4.
Glass, tile and sheet prism glass, etc., Beveled plate. California Glass & Paint Co. 164,497; Mar. 4.

CLASS 34.

Doors for furnaces. Observation. Curry and Barnum. 190,446; Mar. 4.
Furnaces, Hot-air. Fox Furnace Company. 170,430; Mar. 4.
Heaters and furnaces, Coal and wood. E. O. Howle. 188,308–9; Mar. 4.
Heaters, Storage. Griscom-Russell Company. 190,017; Mar. 4.
Liquid-fuel burners. W. E. Wollheim. 191,048; Mar. 4.

CLASS 35.

Tires for automobiles, Rubber. Spartan Rubber Co. 168,947; Mar. 4.

CLASS 37.

Cards, Guide. Library Bureau. 190,888; Mar. 4.
Ice-cream freezer. No Work Freezer Co. 190,936; Mar. 4.
Paper and paper towels, Toilet. Wortendyke Manufacturing Company. 190,862; Mar. 4.
Paper for removing from the skin cold cream, dust, etc., Bibulous. H-K Trading Company. 190,923; Mar. 4.
Paper, Toilet. C. C. Minn. 190,847; Mar. 4.
Paper, Toilet tissue. National Paper Products Company. 191,030–1; Mar. 4.
Paper, Wrapping. Capital Paper Company. 190,766; Mar. 4.
Pencils and fountain pens. E. T. Pollock. 178,203; Mar. 4.
Pencils and wrapping paper. Fisher Bros. Paper Co. 189,559; Mar. 4.
Pencils, penholders, and pens, paper clips, etc. E. Szafir & Son Company. 187,496; Mar. 4.

CLASS 38.

Cartoons in newspaper publications. Public Ledger Company. 190,854; Mar. 4.
Magazine, Monthly. T. Leviah. 188,914; Mar. 4.
Magazine, Monthly. Oregon Humane Society. 191,086; Mar. 4.
Publication, Monthly. Child's Garden Press. 190,911; Mar. 4.
Publications, Monthly. Apex Electrical Manufacturing Company. 187,843; Mar. 4.

CLASS 39.

Blouses, sweaters, skirts, and hats, Misses'. Wm. Filene's Sons Company. 190,453; Mar. 4.
Corsets, brassières, and underwear. Kops Bros. 190,730–1; Mar. 4.
Dresses. Greenwald, Friedman & Co. 190,682; Mar. 4.
Dresses. Perlmutter Mitteiman Co. 186,062; Mar. 4.
Gloves. S. J. Beebe. 181,812; Mar. 4.
Gloves, gauntlets, and mittens. Joseph N. Eisendrath Company. 188,108; Mar. 4.
Hats, Women's. A. N. Adelson. 187,977–8; Mar. 4.
Hosiery. Dreyfus & Company. 163,383; Mar. 4.
Hosiery. State Textile Corporation. 190,660; Mar. 4.
Middy blouses, bloomers, knickers, dresses, etc. L. Jaffe. 175,495; Mar. 4.
Overalls, unionalls, jackets, pants, etc. Skyscraper Overall Company. 172,446; Mar. 4.
Pants, Work. Arthur A. Katten Company. 190,255; Mar. 4.
Pyjamas. H. S. Geiss. 190,291; Mar. 4.
Shirts, Negligee and dress. Cluett, Peabody & Co. 190,445; Mar. 4.
Shoes. Goldoft Shoe Company. 185,755; Mar. 4.
Shoes and slippers. Wichert, Inc. 184,776; Mar. 4.
Shoes, boots, and slippers. B. Ross. 185,497; Mar. 4.
Shoes, Men's. International Shoe Company. 187,816; Mar. 4.
Shoes, Men's and children's. International Shoe Company. 183,295; Mar. 4.
Shoes, Men's leather. Carson Pirie Scott & Co. 184,568; Mar. 4.
Shoes, Men's leather. International Shoe Company. 184,456; Mar. 4.
Slippers. C. A. Grosvenor. 187,580; Mar. 4.
Suits and overcoats. Moch, Berman Co. 183,222; Mar. 4.
Trousers, Men's. W. J. Novy. 190,267; Mar. 4.

CLASS 40.

Tape, Bias. Percy Gardner Corporation. 189,517; Mar. 4.

CLASS 42.

Cloth. Textiles Development Corporation. 191,101; Mar. 4.
Cotton goods, quilts, and bedspreads. French Broad Manufacturing Co. 166,880; Mar. 4.
Cotton piece goods. Kelsey Textile Corporation. 189,677–9; Mar. 4.
Duck and other cotton fabrics. Pittsburg Waterproof Company. 189,271; Mar. 4.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 190,527; Mar. 4.
Fabrics, Filter. West Boylston Manufacturing Company. 190,901; Mar. 4.
Package containing textile wiping waste and towel, Unitary. Hillside Cotton Mills. 189,196; Mar. 4.
Ribbons. Penn Rivet Corporation. 189,581; Mar. 4.
Sheeting. Consolidated Textile Corporation. 181,486; Mar. 4.
Sheeting, Brown. Beal-Burrow Dry Goods Co. 187,957; Mar. 4.
Sheets, pillowcases, and bolster cases. Strawbridge & Clothier. 191,191–2; Mar. 4.
Silk piece goods. Manhattan Textile Works, Inc. 190,891; Mar. 4.
Woolen goods in the piece. Worumbo Manufacturing Company. 190,902; Mar. 4.
Woolen piece goods. Madison Woolen Company. 191,026; Mar. 4.
Worsted and woolen dress goods. F. A. Bochmann & Co. 187,244; Mar. 4.
Worsted and woolen dress goods in the piece. F. A. Bochmann & Co. 189,703; Mar. 4.

CLASS 44.

Tongue cleaner. E. S. Sexton. 190,940; Mar. 4.
Trusses, Supports for hernia. J. West. 175,825; Mar. 4.

CLASS 45.

Beverage and sirups for making the same, Grape. P. E. Barnett. 187,078; Mar. 4.
Flavoring for beverages, Nonalcoholic. Albers Company. 189,998; Mar. 4.
Sirup for beverage purposes. W. Radcliffe. 174,151; Mar. 4.

CLASS 46.

Apples, Fresh. Cashmere Fruit Growers Union. 182,564; Mar. 4.
Bacon. F. A. Ferris & Co. 185,864; Mar. 4.
Beef, Dried. Swift and Company. 188,646; Mar. 4.
Beef roll, Sugar-cured dried-. Rob't L. Eby Co. 168,671; Mar. 4.
Biscuits, cakes, and bread. Macfarlane, Lang & Co. 190,111; Mar. 4.
Bread. G. Happ, jr. 189,894; Mar. 4.
Bread. R. B. Ward & Co. 190,070; Mar. 4.
Cake, Fruit. Grennan Cake Corporation. 190,782; Mar. 4.
Cakes, chocolates, candies, and pastry. Oskar Pischinger, Inc. 189,948; Mar. 4.
Candies. Sedalia Candy Company. 188,137; Mar. 4.
Candy. Hygeia Nursing Bottle Co. 167,045; Mar. 4.
Candy. Schutter Johnson Candy Company. 187,960; Mar. 4.
Candy. Schwarz & Son. 181,220; Mar. 4.
Candy. Tru-Blu Biscuit Company. 184,996; Mar. 4.
Candy, Bar. Anthony Candy Company. 184,705; Mar. 4.
Canned and dehydrated fruits and berries. King's Food Products Co. 185,597–8; Mar. 4.
Canned and dehydrated fruits and berries. King's Food Products Co. 185,600; Mar. 4.
Canned fish. Altoona Packing Company. 189,601; Mar. 4.
Canned fish. Sunny Point Packing Company. 189,592; Mar. 4.
Canned fish. Sunny Point Packing Company. 189,594; Mar. 4.
Canned fruits, berries, vegetables, etc. Frank C. Weber & Company. 184,110; Mar. 4.
Canned raviolis, spaghetti, and mushroom gravy. Superba Packing Co. 184,694; Mar. 4.
Canned string beans, tomatoes, sauerkraut, etc., and vinegar. Bement-Rea Co. 169,392; Mar. 4.
Cantaloupes and fresh grapes. Ben H. Arkelian & Co. 185,647; Mar. 4.
Cheese. H. Buhlmann. 172,415; Mar. 4.
Cherries, peaches, plums, pears, etc. California Deciduous Fruit Companies. 186,868; Mar. 4.
Chocolate. Norma Chocolate Company. 187,120; Mar. 4.
Chow mein and chop suey. Toyo Fisheries Co. 184,482; Mar. 4.
Coffee and tea. Puhl-Webb Company. 169,559; Mar. 4.
Dairy products. E. de W. Harrington. 172,375; Mar. 4.
Feed, Cattle and poultry. Eastern States Farmers' Exchange. 187,210; Mar. 4.
Feed, Stock. American Milling Company. 190,904; Mar. 4.
Flavoring, Concentrated general. Albers Company. 184,047; Mar. 4.
Flavoring, Concentrated imitation-vanilla. Albers Company. 184,049; Mar. 4.
Flour, Soft-winter-wheat. Wallace Milling Company. 190,949; Mar. 4.
Flour, Wheat. Minneapolis Milling Co. 189,417–9; Mar. 4.
Flour, Wheat. Pillsbury Flour Mills Company. 173,378; Mar. 4.
Fruits, Fresh citrous. San Dimas Lemon Association. 184,298; Mar. 4.
Fruits, Fresh citrous. San Dimas Lemon Association. 184,302; Mar. 4.
Fruits, Fresh deciduous. Joe Green Estate. 189,309; Mar. 4.
Horse-radish, mixed pickles, olives, etc., Bottled. M. Pinkus. 175,734; Mar. 4.
Lunches, Box. Sur-Val Box Lunch Co. 188,940; Mar. 4.
Milk and cream, and buttermilk, Raw or pasteurized. Borden's Farm Products Company. 151,250; Mar. 4.
Milk and cream, ice cream, and cheese, Raw and condensed. Burdan Bros. 168,295; Mar. 4.
Milk, canned pork and beans, peas, etc., Evaporated. John Morrell & Co. 187,119; Mar. 4.
Milk, Natural sterilized. American Milk Products Corporation. 190,864; Mar. 4.
Mincemeat. Atmore & Son, Inc. 188,736; Mar. 4.
Mustard, Prepared. Gladbrook Mustard Factory. 190,333; Mar. 4.
Oil, Olive. T. Romano. 189,169; Mar. 4.
Pears and apples, Fresh. Tehachapi Fruit Growers Ass'n. 185,680; Mar. 4.
Potatoes. Farmers Co-Operative Marketing Association. 185,211; Mar. 4.
Sauce. Erit & Co. 184,163; Mar. 4.
Sausage. Frank and Company. 189,105; Mar. 4.
Tomatoes, Fresh. Frank Biggio & Sons. 166,035; Mar. 4.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abell, Edward J., Riley, Kans. Wire stretcher. 1,485,999; Mar. 4.

Aber, Samuel S., New York, N. Y. Vanity case. 1,485,357; Mar. 4.

Acker, Aaron, assignor to The Newell Mfg. Co. Inc., Ogdensburg, N. Y. Single and double flat-curtain-rod bracket. 1,485,581; Mar. 4.

Ackerman, Robert J., assignor to Hudson Manufacturing Company, Minneapolis, Minn. Show stall for cattle. 1,485,356; Mar. 4.

Adams, Albert, Macon, Ga., assignor to Schuster-Adams Chemical Company. Galvanic element. 1,486,069; Mar. 4.

Adams, Charles W., assignor to The United States Graphite Company, Saginaw, Mich. Connection for carbon brushes and the like. 1,485,942; Mar. 4.

Addograph Company. (See Crawley, Mansfield C., assignor.)

Affelder, Harry F., Cleveland, Ohio. Cutting machine. 1,485,546; Mar. 4.

Aho, Arnie J. (See Aho, Leander and A. J.)

Aho, Leander, Twecoma, and A. J. Aho, Princeton, Mich. Joint lock for rails. 1,485,582; Mar. 4.

Ainsworth, George, Great Neck, N. Y., assignor to Alfred Vester & Sons, Inc., Providence, R. I. Combined husk and socket cover. Des. 64,108; Mar. 4.

Air Reduction Company. (See Van Nuys, Claude C., assignor.)

Alvas, Boris. (See Korbuly, Sándor, assignor.)

Aktiebolaget Svenska Kullagerfabriken. (See Wingquist, Sven G., assignor.)

Albini, Franck E., Stockton, Calif. Chimney construction. 1,485,754; Mar. 4.

Albrecht, George F., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Chain-drive mechanism for bobbin shafts of roving frames. 1,486,107; Mar. 4.

Albrecht, George F., assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Chain-drive mechanism for bobbin shafts of roving frames. 1,486,108; Mar. 4.

Alcock, Alfred U., Melbourne, assignor of one-half to H. J. Wagstaff, South Yarra, Victoria, Australia. Electric process for thawing carcasses of frozen meat and the like. 1,485,755; Mar. 4.

Allan Automobile Accessory Association, Incorporated, The. (See Allan, William N., assignor.)

Allan, William N., San Antonio, Tex., assignor to The Allan Automobile Accessory Association, Incorporated, Baltimore, Md. Lighting means. 1,486,000; Mar. 4.

Allcutt, Chester T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser. 1,485,358; Mar. 4.

Allen, Durward M., and J. E. Hayes, Binghamton, N. Y.; said Allen assignor to said Hayes. Can-cover remover. 1,485,474; Mar. 4.

Allen, Herbert I., assignor to Electron Chemical Company, Portland, Me. Electrolytic cell. 1,485,473; Mar. 4.

Allenson, John, assignor to St. Paul Foundry Company, St. Paul, Minn. Hydraulic jail-door-locking mechanism. 1,485,756; Mar. 4.

Allison, Thomas C., Hohenwald, Tenn. Saw set. 1,486,001; Mar. 4.

Alsberg, Julius, and P. J. Ralph, Chicago, Ill.; said Ralph assignor to said Alsberg. Analysing gases. 1,485,757; Mar. 4.

Alsleben, Paul, assignor to J. A. von Wuling, Berlin, Germany. Production of water-soluble durable preparations containing acetyl-salicylic acid. 1,486,002; Mar. 4.

American Balsa Company. (See Baxter, W. M., and Lundin, assignors.)

American Cotton Oil Company, The. (See Holden, Hiram C., assignor.)

American Optical Company. (See Wells, Albert B., assignor.)

American Shoe Machinery & Tool Company. (See Krag, Harry W., assignor.)

American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)

American Tobacco Machinery Corporation. (See Grodsky, Aaron, assignor.)

Amies, Edwin, London, England. Spring mattress. 1,485,758; Mar. 4.

Amrevo Electric Company, et al. (See Nash, Charles A., assignor.)

Anchor Core Economy Soap Company. (See Seward, Richard M., assignor.)

Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)

Andersson, Wilhelm, Pearson, Wash. Self-soaping washboard. 1,486,003; Mar. 4.

Andrews, Edward F., Chicago, Ill., assignor to Universal Engineering Company, Maywood, Ill. Carburetor. 1,485,547; Mar. 4.

Angus, Arthur R., Stockholm, Sweden. Control of railway trains. 1,485,943; Mar. 4.

Anti-Corrosion Engineering Company. (See Musselman, Joseph F., assignor.)

Anti-Corrosion Engineering Company. (See West, P., and Mason, assignors.)

Anzböck, Oskar, Vienna, Austria, and F. Hoogendoorn, Dusseldorf, Germany. Lubricating and tightening composition from peat. 1,485,944; Mar. 4.

Appleton, Ernest G., assignor to Chicago Fuse Mfg. Co., Chicago, Ill. Refillable cartridge fuse. 1,485,822; Mar. 4.

Armour Fertilizer Works. (See Meyers, Herbert H., assignor.)

Arnhorst, Charles F., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Serving or insulating machine. 1,485,662; Mar. 4.

Art Lamp Mfg. Company, The. (See Severus, Louis, assignor.)

Ashley, Frank M. (See Trust, H., and Ashley.)

Atlas Werke Aktiengesellschaft. (See Lübcke, Ernst, assignor.)

Backus, Guy C., Cleveland, Ohio. Tag holder and box pull. 1,486,004; Mar. 4.

Bacon, Nathaniel T., Peace Dale, R. I., assignor to The Solvay Process Company, Solvay, N. Y. Apparatus for concentrating solutions. 1,485,475; Mar. 4.

Bager, Svante R. W. M., assignor to Bucyrus Company, South Milwaukee, Wis. Excavator-supporting frame and traction means therefor. 1,485,945; Mar. 4.

Balatta, Frank S., St. Paul, Minn. Door-actuating mechanism. 1,485,476; Mar. 4.

Ball & Ball Carburetor Company. (See Ball, Frederick O., assignor.)

Ball, Frederick O., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. 1,485,759; Mar. 4.

Ballaz, Peter, West New York, N. J. Fastener. 1,485,359; Mar. 4.

Baloun, Harry F., Cleveland, Ohio. Partition. 1,485,449; Mar. 4.

Bankhead, Charles H., Elkins, W. Va. Shock absorber. 1,486,005; Mar. 4.

Banks, Joseph L., assignor to The Rae-Lite Manufacturing Company, Incorporated, Baltimore, Md. Parking and signal light. 1,485,903; Mar. 4.

Barber, William L., Providence, R. I. Envelope opener. 1,485,548; Mar. 4.

Barry, James J., Woodhaven, N. Y. Means and method of preserving fish. 1,485,823; Mar. 4.

Bartels, Carl. (See Bellamore, D. H., and Bartels.)

Bartels, Carl, Hamilton, Ohio, and D. H. Bellamore, New York, N. Y., assignors to The Mosler Safe Company, Hamilton, Ohio. Metallic structure. 1,485,360; Mar. 4.

Bartels, Carl P. (See Goldsmith, G. M., and Bartels.)

Bass, Rubin, Brooklyn, N. Y. Cloth-pressing machine. 1,485,824; Mar. 4.

Bassick Manufacturing Co., The. (See Fesler, Douglas F., assignor.)

Battenfeld, Jesse R. (See Battenfeld, John N., assignor.)

Battenfeld, John N., Cleveland, Ohio, assignor to J. R. Battenfeld, Kansas City, Mo. Sifting machine. 1,485,946; Mar. 4.

Bauch, Richard, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Means for suppressing the ground currents. 1,485,361; Mar. 4.

Baum, Henry, Cleveland, Ohio. Compound tool. 1,485,450; Mar. 4.

Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Switch mechanism. 1,485,362; Mar. 4.

Baxter, William M., Chicago, Ill., and A. P. Lundin, Bayside, N. Y., assignors to American Balsa Company, Inc. Heat-insulating structural material. 1,486,113; Mar. 4.

Bayless, William O., Knoxville, Tenn. Railway safety device. 1,485,947; Mar. 4.

Beach, Howard W. (See Brown, William J., assignor.)

Beale, Wellington E., Marshalltown, Iowa. Antiskid device for automobiles. 1,485,825; Mar. 4.

Beatty, William G., Fergus, Ontario, Canada. Carrier. 1,485,583; Mar. 4.

Becker, Julius, Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Heating system for retort coke ovens. 1,485,451 Mar. 4.

Beddingfield, Allen W., et al. (See Westbrook, Pleasant M., assignor.)

Behn, Walter J., Detroit, Mich. Doorcheck. 1,485,477; Mar. 4.

Bell, Charles M., Schenectady, N. Y. Locomotive-boiler-accessories support. 1,485,948; Mar. 4.

Bellamore, David H. (See Bartels, C., and Bellamore.)

Bellamore, David H., New York, N. Y., and C. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Safe construction. 1,485,363; Mar. 4.

Bellringer, Sidney M., assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa. Reaming tool. 1,485,904; Mar. 4.

Berger, Joseph G., Dayton, Ohio. Tail-skid cushion. 1,485,760; Mar. 4.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper folding box. 1,485,584; Mar. 4.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper folding box. 1,485,585; Mar. 4.

Berk, Joseph, San Francisco, Calif. Wrapping machine. 1,485,586; Mar. 4.

Berns, John H., jr., and R. Hoedt, Tampa, Fla. Furniture and making same. 1,485,949; Mar. 4.

Bessemer Gas Engine Company, The. (See Shepherd, Harold F., assignor.)

Best, Charlotte S., executrix. (See Best, Harry S., assignor.)

Best, Harry S., assignor to C. S. Best, Galva, Ill., executrix of J. H. Best, deceased. Display rack. 1,485,587; Mar. 4.

Best, John H. (See Best, Harry S., assignor.)

Best, William, Chicago, Ill. Key-chain reel. 1,485,663; Mar. 4.

Biedermann, Paul R. G., Taft, Calif. Belt clamp. 1,485,950; Mar. 4.

Bieneman, Walter C., Chicago, Ill. Typewriter desk. 1,485,549; Mar. 4.

Bilyeu, Isaac V., Putnam, Ill. Pendulum. 1,485,664; Mar. 4.

Birdsboro Stone Company. (See Brawn, Charles A., assignor.)

Birk, Louis, Brooklyn, N. Y., assignor to International Gauge & Appliance Corporation. Combined liquid-level and specific-gravity indicator. 1,485,951; Mar. 4.

Bischof, Ulrich, assignor to the Firm Gebr. Stäubli & Co., Horgen, Switzerland. Book-fastening machine. 1,485,905; Mar. 4.

Black, Clarence C., Brookville, Ohio. Adjustable traction cleat. 1,485,954; Mar. 4.

Blackburn, George B. (See Pence, John W., assignor.)

Bland, Charles W., Cedar Rapids, assignor of one-fourth to L. W. Davis and J. J. Dolphin, Ryan, Iowa. Touring car. 1,485,950; Mar. 4.

Blom, Albert, Buenos Aires, Argentina. Glove. 1,486,006; Mar. 4.

Blunt, James G., Schenectady, N. Y. Locomotive driving box. 1,485,952; Mar. 4.

Bocchino, Thomas, Poughkeepsie, N. Y. Fuel-economizing apparatus. 1,485,826; Mar. 4.

Boedefeld, Antonio J., and M. P. Exline, Dallas, Tex. Lithograph engraving process on straight lines. 1,485,478; Mar. 4.

Boedker, Harry, Plymouth, N. C. Thread tier. 1,486,070; Mar. 4.

Bohli, Jacques, assignor to the Firm Scintilla, Solothurn, Switzerland. Combined locking apparatus for the distributing switches of electric-lighting installations of motor cars. 1,486,071; Mar. 4.

Boice, William T., Davenport, Iowa. Combined pencil sharpener and holder. 1,486,007; Mar. 4.

Bombardie, Charles H., Chicago, Ill., assignor to Wirebounde Patents Company. Machine for use in making boxes. 1,485,953; Mar. 4.

Bonham, Edwin, and J. C. Wiltbank, Camden, N. J. Self-adjusting bench clamp. 1,485,906; Mar. 4.

Bosse, Wilhelm. (See Dietz, C., Lattan, and Bosse.)

Botner, Fred A., Barboursville, Ky. Ice-cream-shipping tub. 1,485,665 Mar. 4.

Boyce, Edwin, Pine Bluff, Ark. Bear-signal mounting. 1,486,008; Mar. 4.

Boyd, Bertron K., and H. Kirsch, Detroit, Mich. Fire lighter. 1,486,072; Mar. 4.

Bradbury, Royall D., Andover, Mass. Caliper for measuring variations in latch needles. 1,485,365; Mar. 4.

Brandes, C., Inc. (See Fischer, Hermann, assignor.)

Brasch, Louis F., Newark, N. J. Doorstop. 1,485,954; Mar. 4.

Braunig, Jake S. (See Davis, Donald V., assignor.)

Brawn, Charles A., assignor to Birdsboro Stone Company, Philadelphia, Pa. Stone crusher. 1,485,955; Mar. 4.

Bredon, Charles E., Paris, France. Apparatus for taking and examining color photographs. 1,485,956; Mar. 4.

Breese, Charles P., Dayton, Ohio. Clutch. 1,485,761; Mar. 4.

Brensinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Machine for shaping sheet materials. 1,485,590; Mar. 4.

Bretsin, Elmer G. (See Wagemaker, I., Bretsin, and Foster.)

Bridgham, Arthur L., assignor of one-half to C. H. Sherburne, Boston, Mass. Valve. 1,485,957; Mar. 4.

Bridgham, Arthur L., assignor of one-half to C. H. Sherburne, Boston, Mass. Valve. 1,485,958; Mar. 4.

Briggs, Chana H., Little Rock, Ark. Type-bar-casting mold. 1,486,009; Mar. 4.

Brock, Arthur, jr. (See Holst, Lodewyk J. R., assignor.)

Brown, Ellsworth. (See Burke, G. W., jr., and Brown.)

Brown, Garnet C. (See Russell, H. O., and Brown.)

Brown, Garnet C., Detroit, Mich. Electric bomb-rack control handle. 1,485,762; Mar. 4.

Brown, Lloyd, Los Angeles, Calif. Motion-picture or cinematograph film. 1,458,907; Mar. 4.

Brown, Lloyd, Los Angeles, Calif., assignor to himself and C. B. Hurtt, trustees. Focusing system for cameras. 1,485,908; Mar. 4.

Brown, Walter D., and J. L. Fitzpatrick, Parkerton, Wyo. Standing-valve-releasing mechanism. 1,485,411; Mar. 4.

Brown, Walter H., Pasadena, Calif. Low-pressure alarm. 1,486,010; Mar. 4.

Brown, William G. (See Chappell, Bartlett H., assignor.)

Brown, William J., assignor to H. W. Beach, Newark, N. J. Pressure-regulating valve. 1,485,959; Mar. 4.

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck side frame. 1,485,588; Mar. 4.

Bucyrus Company. (See Bager, Svante R. W. M., assignor.)

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Bugatti, Ettore, Molsheim, France. Starting dynamo for motor vehicles. 1,485,366; Mar. 4.

Bugbee, Lucian W., assignor to Franklin Optical Company, Indianapolis, Ind. Making fused bifocal lenses. 1,485,589; Mar. 4.

Bull, George E., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Machine for making wire fabric. 1,485,827; Mar. 4.

Bullington, Frank A., Portland, Oreg., assignor to Bullington Motors, Kansas City, Mo. Rotary engine. 1,485,591; Mar. 4.

Bullington Motors. (See Bullington, Frank A., assignor.)

Bunker, F. G., et al. (See Ellis, Nat H., assignor.)

Burke, George W., jr., and E. Brown, Dayton, Ohio. Pressure valve. 1,485,828; Mar. 4.

Burnett, Albert T., Los Angeles, Calif. Candy-running implement. 1,485,367; Mar. 4.

Bury, Oney, and J. A. Mason, Houston, Tex. Camper's outfit chest. 1,485,479; Mar. 4.

Butler, Elmore R., assignor to Collapsible Tubes & Containers, Limited, Toronto, Ontario, Canada. Soapstick holder. 1,485,480; Mar. 4.

Byers, John A., assignor to James B. Clow & Sons, Chicago, Ill. Casting machine. 1,485,592; Mar. 4.

Cadillac Machinery Company. (See Fowl, P. M., and Zimmerman, assignors.)

California Cap Company. (See Myers, Romaine W., assignor.)

Cameron, Neil S., Tacoma, Wash. Steering-gear stabilizer for automobiles. 1,485,763; Mar. 4.

Campbell, John A., Carbondale, Ill. Headlight indicator. 1,486,011; Mar. 4.

Carmine, Joseph P., Westport, New Zealand. Focusing device for hand cameras. 1,485,481; Mar. 4.

Carr Fastener Company. (See Elwell, George H., assignor.)

Carricart, John, Santa Barbara, Calif. Tool for compressing and inserting valve springs. 1,485,593; Mar. 4.

Carroll, John L., Bay City, Mich. Collapsible scenery. 1,485,594; Mar. 4.

Carter, William C., St. Louis, Mo. Liquid-fuel-supply system for internal-combustion engines. 1,485,829; Mar. 4.

Cavin, Mamie L., Baker, Oreg. Hair curler. 1,485,368; Mar. 4.

Central Railway Signal Company. (See Dutcher, Frank, assignor.)

Chadwick, George A. (See Delano, H., Chadwick, and Kemp.)

Chambersburg Engineering Company. (See Clarke, Eugene C., assignor.)

Chance Brothers and Co. (See Forster, Alfred L., assignor.)

Channell, Charles A., Chicago, Ill., assignor to Channell Chemical Company. Floor mop. 1,485,482; Mar. 4.

Channell Chemical Company. (See Channell, Charles A., assignor.)

Chapman, Byron J., St. Louis, Mo. Method of and apparatus for determining the location of the piston within a cylinder of an internal-combustion engine. 1,485,960; Mar. 4.

Chapman, Earle E., Los Angeles, Calif., assignor to Miller-Chapman Company. Shackle for automobile wheels and spokes. 1,485,595; Mar. 4.

Chappell, Bartlett H., assignor to W. G. Brown, New York, N. Y. Internal-combustion engine. 1,485,483; Mar. 4.

Charton, Pierre, Montreal, Quebec, Canada. Refillable pencil. 1,485,484; Mar. 4.

Chase, Maurice E., Cambridge, Mass. Concrete insert. 1,485,596; Mar. 4.

Chatillon, John, & Sons. (See Stevens, Frederick M., assignor.)

Cheney, William H. (See McKenney, F. Y., and Cheney.)

Chicago Fuse Mfg. Co. (See Appleton, Ernest G., assignor.)

Chicago Vitreous Enamel Product Company. (See Hegenson, William, assignor.)

Christensen, Niels C., Salt Lake City, Utah. Treating sulphide ores of lead, silver, and copper. 1,485,909; Mar. 4.

Christy, Leo, Frankfort, Ind. Radiator shield. 1,486,012; Mar. 4.

Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)

Cincinnati Bickford Tool Company, The. (See Norris, Henry M., assignor.)

Civis, James A., Chicago, Ill. Curtain bracket. 1,485,551; Mar. 4.

Clarke, Eugene C., assignor to Chambersburg Engineering Company, Chambersburg, Pa. Punching machine. 1,485,961; Mar. 4.

Cleveland Electric Machine and Manufacturing Company, The. (See Kidney, Willis E., assignor.)

Cleveland Metal Products Company, The. (See Resek, M., and Klinge, assignors.)

Clow, James B., & Sons. (See Byers, John A., assignor.)

Coates, Frederick, assignor to Federal Products Company, Cincinnati, Ohio. Clutch. 1,485,962; Mar. 4.

Coates, John W., Detroit, Mich. Oil supply and delivery apparatus. 1,486,073; Mar. 4.

Coates, Ray G., Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Ingot and mold for same. 1,485,830; Mar. 4.

Codman, William, Providence, R. I. Spoon or similar article. Des. 64,109; Mar. 4.

Coeur D'Alene Hardware and Foundry Company. (See Larson, August L., assignor.)

Colby, Eli F., Lake Mills, Iowa. Fan and pulley therefor. 1,485,552; Mar. 4.

Coldwell, John R. H., Winnipeg, Manitoba, Canada. Electric heater. 1,485,666; Mar. 4.

Coldwell, John R. H., Winnipeg, Manitoba, Canada. Electric heater. 1,485,667; Mar. 4.

Cole, Edward P., assignor to Cole Manufacturing Company, Chicago, Ill. Combination heater. 1,485,668; Mar. 4.

Cole, John A., Chicago, Ill. Measuring instrument. 1,485,831; Mar. 4.

Cole Manufacturing Company. (See Cole, Edward P., assignor.)

Coleman, William J. (See Robichaux, A., and Coleman.)

Collapsible Tubes & Containers, Limited. (See Butler, Elmore R., assignor.)

Collins, Charles H., Amsterdam, N. Y. Yarn-tube unit. 1,486,074; Mar. 4.

Collins, John S., Tad, W. Va. Lock nut. 1,485,764; Mar. 4.

Colpitts, Emeasey, Sangerville, Me. Hair clipper. 1,485,832; Mar. 4.

Conant, Arthur P. (See Wadsworth, A. W., and Conant.)

Continuous Reaction Company, Limited, The. (See Skelley, John M., assignor.)

Cook, Clyde C., Sheridan, Wyo. Gate and operating means therefor. 1,485,597; Mar. 4.

Cooper, Abraham, Brooklyn, N. Y. Dining-room lighting fixture. Des. 64,110; Mar. 4.

Copp, W. E. (See Pickron, Hugo H., assignor.)

Cordes, Henry G., Bremerton, Wash. Radiosignaling. 1,485,485; Mar. 4.

Corkern, Ripley G. (See Moore, Joseph W., assignor.)

Costille, Jules, and G. Robbe, Brussels, Belgium. Two-stroke explosion valveless engine. 1,485,890; Mar. 4.

Cowdery, Warren H., et al. (See Melanowski, Leo, assignor.)

Cowgill, Ernest H. (See Wakefield, J., and Cowgill.)

Cowlishaw, Walker & Company (1920) Limited. (See Moore, M. S., and Jubb, assignors.)

Craig, Frances J. (See Hitchcliffe, Charles W., assignor.)

Crain, James S., El Paso, Tex. Calculator. 1,486,075; Mar. 4.

Crawley, Mansfield C., Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif. Ribbon-reversing mechanism. 1,485,765; Mar. 4.

Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,485,766; Mar. 4.

Crawley, Mansfield C., Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,485,767; Mar. 4.

Crawley, Mansfield C., Groton, N. Y., assignor to Addograph Company, Los Angeles, Calif. Typewriting machine. 1,485,768; Mar. 4.

Crittall Casement Window Co. (See Walker, Thomas C., assignor.)

Crouse, Emory, Wichita, Kans. Supporting frame for liquid-dispensing apparatus. 1,485,553; Mar. 4.

Crouse, Emory, Wichita, Kans. Air valve. 1,485,554; Mar. 4.

Croxford, Frederick C., London, England. Packing and wrapping up articles for transit and storage. 1,485,598; Mar. 4.

Crozier-Straub, Inc. (See Straub, Francis J., assignor.)

Cumfer, Harry A., Chicago, Ill., assignor of one-half to A. D. Stewart, Hutchinson, Kans. Plaster-receiving board. 1,485,370; Mar. 4.

Cumpston, Frederick B., Blooming Grove, Tex. Cotton gin. 1,485,833; Mar. 4.

Cuppa, Irale H., San Francisco, Calif. Universal joint. 1,486,076; Mar. 4.

Curioni, Aldo, New York, assignor to M. Levy, New Rochelle, N. Y. Machine for feeding, cutting, and sewing fabrics. 1,485,769; Mar. 4.

Curran, Edward T., Detroit, Mich. Burner. 1,485,371; Mar. 4.

Curry Hand-Piece Protector Co. (See Curry, Ward E., assignor.)

Curry, Ward E., Bradentown, assignor to Curry Hand-Piece Protector Co., Hillsborough County, Fla. Protector for dental handpieces. 1,485,963; Mar. 4.

Cuthbert, John, assignor, by mesne assignments, to Economy Fuse and Manufacturing Company, Chicago, Ill. Lamp socket. 1,485,964; Mar. 4.

Cutler-Hammer Mfg. Co., The. (See Meyer, Friedrich W., assignor.)

Dallio, Bernard. (See Ligammar, S., and Dallio.)

Dance, William H., Cambridge, Mass. Drag scraper. 1,485,965; Mar. 4.

David, Bruce W., Cleveland Heights, assignor to W. M. Scott, Cleveland, Ohio. Electric transformer. 1,486,109; Mar. 4.

Davis, Donald V., assignor, by mesne assignments, to J. S. Braunig, St. Louis, Mo. Toy car. 1,485,834; Mar. 4.

Davis, L. W., et al. (See Bland, Charles W., assignor.)

Davis, Verner F., Newark, N. J. Lavatory waste. 1,485,669; Mar. 4.

Dawson, Robert K., Guelph, Ontario, Canada. Fitting for revolving chairs and the like. 1,485,910; Mar. 4.

Daykin, Spensley S., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Welded joint for barrels. 1,485,555; Mar. 4.

Dearda, Michael J., St. Louis, Mo. Stovepipe clamp. 1,485,599; Mar. 4.

De Bothezat, George, and I. I. Eremeeff, Dayton, Ohio. Machine for testing sheet metal for vibration. 1,485,835; Mar. 4.

De Bus, Louis K., Cincinnati, Ohio. Measuring device. 1,485,600; Mar. 4.

Delano, Harvey, Washington, D. C., G. A. Chadwick, Washington Grove, and S. V. Kemp, Baltimore, Md., assignors to Government of the United States. Vehicle mount. 1,485,836; Mar. 4.

Delaware Chemical Engineering Company. (See Du Pont, Francis I., assignor.)

De Maré, Baltzar E. L., Pittsburgh, Pa. Regenerator. 1,485,770; Mar. 4.

Depew, James I., Loup City, Nebr. Power hammer. 1,485,486; Mar. 4.

D'Etreillis, Jeanne, New York, N. Y. Pocketbook. Des. 64,111; Mar. 4.

Dewson, Edward H., Quincy, Mass., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 1,485,487; Mar. 4.

Diamond Drill Contracting Company. (See Stone, Frederick, assignor.)

Dickey, Edward P., Harvey, and G. H. Irwin, Chicago, Ill. Traction tread for wheels. 1,485,837; Mar. 4.

Dietz, Carl, M. Latten, Leverkusen, near Cologne, Prussia, and W. Bosse, Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Furnace for the manufacture of hydrochloric acid and sodium sulphate. 1,485,488; Mar. 4.

Dietz, William H., Chicago, Ill. Fixture for holding and operating maps. 1,485,838; Mar. 4.

Dillon, Edward H. J., Philadelphia, Pa., assignor to The Griscom-Russell Company. Storage heater. 1,485,601; Mar. 4.

Ditson, Jesse, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. Y. Hoist. Re15,780; Mar. 4.

Dixon, Israel K., Johnstown, Pa. Switch-operating mechanism. 1,485,966; Mar. 4.

Dockery, Lewis C., Corsicana, Tex. Tongs. 1,485,489; Mar. 4.

Dole, Frank E., Salt Lake City, Utah. Laundry-sorting device. 1,485,372; Mar. 4.

Dolphin, J. J., et al. (See Bland, Charles W., assignor.)

Dornier, Claudius, Friedrichshafen, Germany. Structural framing. 1,485,373; Mar. 4.

Dorsey, Raymond A., Baltimore, Md. Receptacle. 1,485,490; Mar. 4.

Dovel, James P., Birmingham, Ala. Settling apparatus. 1,485,452; Mar. 4.

Dowler, Ralph B., Fort Worth, Tex. Automobile fuel-gauge control. 1,485,771; Mar. 4.

Drake, Robert Z., Omaha, Nebr. Tap bolt and operating cap therefor. 1,485,491; Mar. 4.

Draper Corporation (See Rhoades, Alonso E., assignor.)

Draper Corporation. (See Taranto, John, assignor.)

Drefahl, Louis C., Lakewood, and E. A. Taylor, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Making lithopone. 1,486,077; Mar. 4.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Direct drive for lead cam drums. 1,485,453; Mar. 4.

Drowns, Edmond E., assignor to The National Acme Company, Cleveland, Ohio. Reversible tap and die holder. 1,485,454; Mar. 4.

Drueding Brothers Company. (See Drueding, Charles C., assignor.)

Drueding, Charles C., assignor to Drueding Brothers Company, Philadelphia, Pa. Polishing glove. 1,485,374; Mar. 4.

Dryfoos, J. Emil, New York, N. Y. Auction-bridge score book. Des. 64,112; Mar. 4.

Dubilier, William. (See Lowenstein, Fritz, assignor.)

Dudley, Adolphus M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control mechanism for induction motors. 1,485,375; Mar. 4.

Dumont, Joseph W., Katahdin Iron Works, Me. Funnel. 1,486,078; Mar. 4.

Duncan, David M., Toronto, Ontario, Canada. Combustion chamber of boiler furnaces. 1,485,967; Mar. 4.

Du Pont, E. I., de Nemours and Company. (See Loomis, Evarts G., assignor.)

Du Pont, Francis I., assignor to Delaware Chemical Engineering Co., Wilmington, Del. Water gauge for steam generators. 1,485,492; Mar. 4.

Du Pont, Francis I., assignor to Delaware Chemical Engineering Company, Wilmington, Del. Liquid-level gauge. 1,485,772; Mar. 4.

Dupuy, John W., Beaver Falls Borough, Pa. Hot-air heating furnace. 1,485,968; Mar. 4.

Durell, George B., et al. (See Melanowski, Leo, assignor.)

Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Flare light. 1,486,014; Mar. 4.

Dyckman, Claude, et al. (See Peterson, George W., assignor.)

Dye, James T., New York, N. Y. Scenic railway. 1,485,839; Mar. 4.

Easley, Jackson Z., et al. (See McKenney, F. Y., and Cheney, assignors.)

Eastern Tube and Tool Company. (See Emrick, George W., assignor.)

Eastman Kodak Company. (See Folmer, William F., assignor.)

Eastman Kodak Company. (See Robertson, John A., assignor.)

Economy Fuse and Manufacturing Company. (See Cuthbert, John, assignor.)

Edeldampf-Gesellschaft m. b. H. (See Wulf, Wilhelm, assignor.)

Edge, Dexter, Pittsburgh, Pa. Lubricating device. 1,485,949; Mar. 4.

Edmunds & Jones. (See Kerwin, Thomas J., assignor.)

Edmunds, Howard M., Brighton, England. Producing given three-dimensional figures and means for carrying out the said process. 1,485,493; Mar. 4.

Edwards, Bertha, administratrix. (See Edwards, Thomas G.)

Edwards, Thomas G., deceased, Arlington, Ky.; B. Edwards, administratrix. Trap. 1,485,494; Mar. 4.

Eisenbrot, Harry L., San Francisco, Calif. Adjustable vise-locking screw. 1,485,670; Mar. 4.

Elbertz, Frank V., assignor of one-half to B. F. Everitt Company, Detroit, Mich. Front-axle construction. 1,485,376; Mar. 4.

Elder, Donald D., assignor to Elliptic Auto Light Limited, Toronto, Canada. Vehicle headlight. 1,485,070; Mar. 4.

Eldred, Errol R., and W. R., El Portal, Calif. Crude-oil burner. 1,485,495; Mar. 4.

Eldred, William R. (See Eldred, Errol R., and W. R.)

Electric Auto-Lite Company, The. (See Patterson, Harry R., assignor.)

Electric Railway Equipment Company, The. (See Liefluchter, Gerhard H., assignor.)

Electron Chemical Company. (See Allen, Herbert I., assignor.)

Elliott, John F., Allerton, Iowa. Device for lining railway tracks. 1,485,840; Mar. 4.

Elliott, Thomas G., North Vancouver, British Columbia, Canada. Pantry receptacle. 1,485,496; Mar. 4.

Elliptic Auto Light Limited. (See Elder, Donald D., assignor.)

Ellis, Nat H., assignor of one-half to J. E. Leach, and one-half to F. G. Dunker, Greenville, S. C. Picker-stick check. 1,485,911; Mar. 4.

Elmer, Paul F., and C. Streff, Philadelphia, Pa. Hinge construction. 1,485,556; Mar. 4.

Elwell, George H., Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass. Stud and eyelet fastening device. Re15,781; Mar. 4.

Emerson, Elmer I., Middletown, N. Y. Combustion promoter. 1,485,497; Mar. 4.

Emrick, George W., Brooklyn, N. Y., assignor to Eastern Tube and Tool Company. Chuck. 1,485,671; Mar. 4.

Engel, Paul H. (See Merseles, Herbert E. and H. B., Simmons, and Engel.)

Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Antispasmodic compound and producing the same. 1,485,377; Mar. 4.

Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Antispasmodic compound and producing the same. 1,485,378; Mar. 4.

Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Antispasmodic compound and producing the same. 1,485,379; Mar. 4.

Engels, William H., Rahway, N. J., assignor to Merck & Co., New York, N. Y. Therapeutic compound and producing the same. 1,485,380; Mar. 4.

Erd, John B. (See Rush, Turner C., assignor.)

Eremeeff, Ivan I. (See de Bothezat, G., and Eremeeff.)

Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Radio calling or signaling. 1,485,773; Mar. 4.

Etheridge, Ernest L., Brooklyn, N. Y. Washing machine. 1,485,774; Mar. 4.

Evans, E. S., & Co. (See Evans, Edward S., assignor.)

Evans, Edward S., assignor to E. S. Evans & Co., Inc., Detroit, Mich. Combined buck and holddown. 1,485,971; Mar. 4.

Evans, Owen B. (See Gartley, W. H., and Evans.)

Everitt, B. F., Company. (See Elbertz, Frank V., assignor.)

Evers, William H., assignor of one-third to W. E. Pease and one-third to N. H. Suloff, Cleveland, Ohio. Cribbing for shore-protecting systems. 1,485,381; Mar. 4.

Ewing, Robert A. (See McSwan, A. M., Ewing, and Thomson.)

Exline, Marcus P. (See Boedefeld, A. J., and Exline.)

Fales, Elisha N., Dayton, Ohio. Folding chassis for aircraft. 1,485,775; Mar. 4.

Fales, Elisha N., Dayton, Ohio. Folding chassis for aircraft. 1,485,779; Mar. 4.

Fales, Elisha N., Dayton, Ohio. Folding chassis for aircraft. 1,485,780; Mar. 4.

Farbenfabriken vorm. Fried. Bayer and Co. (See Dietz, C., Lattan, and Bosse, assignors.)

Federal Electric Company. (See Ogle, Elmer L., assignor.)

Federal Products Company. (See Coates, Frederick, assignor.)

Fedoroff, Vladimir P., New York, N. Y. Alarm device. 1,485,498; Mar. 4.

Ferdon, William S., Brownlee, Nebr. Aerodynamic stabilizer for aircraft. 1,485,781; Mar. 4.

Fernandez, John M., New York, N. Y. Holder for paper napkins. 1,486,079; Mar. 4.

Ferris, Walter. (See Magie, W. E., and Ferris.)

Fesler, Douglas F., assignor to The Bassick Manufacturing Co., Chicago, Ill. Demonstration apparatus. 1,485,841; Mar. 4.

Fielden, Mary E., Ashland, Oreg. Chicken feeder. 1,485,672; Mar. 4.

Filbert, Calvert B., New Orleans, La. Road and method of waterproofing the same. 1,486,015; Mar. 4.

Fink, Marcus, New York, N. Y. Nonskid-tire hood. 1,486,080; Mar. 4.

Firestone Tire and Rubber Company, The. (See Maranville, Harvey F., assignor.)

Fischer, Hermann, assignor to C. Brandes, Inc., New York, N. Y. Sound-producing diaphragm. 1,485,081; Mar. 4.

Fischer, Philip J., Scranton, Pa. Perforating machine. 1,485,782; Mar. 4.

Fischetti, Carlo, et al. (See Viora, Italo P., assignor.)

Fisher, James J., Austen, W. Va. Lamp holder for miners' caps. 1,485,842; Mar. 4.

Fitch, Benjamin F., Evanston, Ill. Means for connecting a load to load-lifting mechanism. 1,485,972; Mar. 4.

Fitzpatrick, John L. (See Brown, W. D., and Fitzpatrick.)

Flagstad, Cornell and O. A., assignors to The Folding Crate and Box Co., Minneapolis, Minn. Folding box or crate. 1,485,973; Mar. 4.

Flagstad, Oscar A. (See Flagstad, Cornell and O. A.)

Fleharty Company, The. (See Fleharty, James H., assignor.)

Fleharty, James H., Berea, assignor to The Fleharty Company, Cleveland, Ohio. Track pan for railways. 1,485,499; Mar. 4.

Fleischer, Arnold H., Milwaukee, Wis. Cooking utensil. 1,485,602; Mar. 4.

Fleming, C. A. (See Hartmann, William C., assignor.)

Florian, Albert G., Toledo, Ohio. Nail puller. 1,485,974; Mar. 4.

Florman, Irving, New York, N. Y. Mounting for automobile ornaments. 1,485,843; Mar. 4.

Folding Crate and Box Co., The. (See Flagstad, Cornell and O. A., assignors.)

Foley, James A., Omaha, Nebr. Automatic sash lock. 1,485,382; Mar. 4.

Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Aviator's camera. 1,485,608; Mar. 4.

Foote, J. B., Foundry Company, The. (See Harry, Charles R., assignor.)

Forster, Alfred L., assignor of one-half to Chance Brothers and Co., Limited, Smethwick, England. Machinery for producing glass sheets or plates. 1,485,500; Mar. 4.

Foster, Verne C. (See Wagemaker, I., Bretsin, and Foster.)

Fournier, George P. (See Lemoine, D., and Fournier.)

Fowl, Percy M., deceased, and H. W. Zimmerman; Union Trust Company, executor, assignors to Cadillac Machinery Company, Detroit, Mich. Machine lathe. 1,485,383; Mar. 4.

Fowler, Clarence B., New York, N. Y. Computing device. 1,486,082; Mar. 4.

Franklin Optical Company. (See Bugbee, Lucian W., assignor.)

Fred, Edwin B., and W. H. Peterson, Madison, Wis. Fermentation of solutions containing xylose, arabinose, and other pentose sugars with the production of acetic acid and lactic and other organic acids by microorganisms. 1,485,844; Mar. 4.

Freda, Theophil J., Detroit, Mich. Earth-boring apparatus. 1,485,455; Mar. 4.

Freer, Charles K., La Crosse, Wis. Device for driving fishes. 1,486,083; Mar. 4.

Freund, Martin, deceased, and E. Speyer, Frankfort-on-the-Main, Germany, by W. Freund, administrator. Product of reduction of oxycodeinon and preparing the same. 1,485,673; Mar. 4.

Freund, Walter, administrator. (See Freund, M., and Speyer.)

Frog Switch & Manufacturing Company, The. (See Seal, Voorhees N., assignor.)

Galloway, George E., Belmond, Iowa. Ash tray and shield. 1,485,384; Mar. 4.

Gardiner, Grandison, Dayton, Ohio. Vertical stabilizer. 1,485,783; Mar. 4.

Gartley, William H., and O. B. Evans, assignors to The U. G. I. Contracting Company, Philadelphia, Pa. Automatic-control water-gas set. 1,485,845; Mar. 4.

Gates, Vitas L., et al. (See Moore, Lonnie M., assignor.)

Gay, George L. (See Zeindler, Werner, assignor.)

Gearhart, George W., Ashland, Pa. Ventilator. 1,486,084; Mar. 4.

Gebr. Stäubli & Co. (See Bischof, Ulrich, assignor.)

Geiger, David F., Minneapolis, Minn. Power transmitter and operating mechanism therefor. 1,485,457; Mar. 4.

Geiglein, Henry H., Baltimore, Md. Gas tank for automobiles. 1,485,975; Mar. 4.

Gelatt, Philo M., assignor to National Gauge and Equipment Company, La Crosse, Wis. Ammeter. 1,486,085; Mar. 4.

Gemberling, Cameron H., assignor to Oliver Chilled Plow Works, South Bend, Ind. Wheeled plow. 1,485,604; Mar. 4.

General Automatic Scale Company, The. (See Schaper, Harry C., assignor.)

General Electric Company. (See Sindeband, Maurice L., assignor.)

General Electric Company. (See Wolfe, N. A., and Pons, assignors.)

Gerritson, Jacob, Kankakee, assignor, by mesne assignments, to Paramount Textile Co., Chicago, Ill. Hosiery drying and shaping structures. 1,485,385; Mar. 4.

Ghegan, John J., East Orange, N. J. Phonograph connection for telephone receivers. 1,485,912; Mar. 4.

Gibbs, Walter A., Wilmington, Del. Animal trap. 1,485,976; Mar. 4.

Gillen, George A., Jersey City, N. J., assignor to Gillen Laboratories Corporation, New York, N. Y. Cushion wheel. 1,485,977; Mar. 4.

Gillen Laboratories Corporation. (See Gillen, George A., assignor.)

Gillette Safety Razor Company. (See Thompson, Ralph E., assignor.)

Gilmore, Joel, Hull, Tex. Stump puller. 1,485,458; Mar. 4.

Gipson, Andrew J., Perkins, Okla. Seesaw toy. 1,485,501; Mar. 4.

Giroux, Cleophas J. (See Warren, Joseph A., assignor.)

Glatter, George, Chicago, Ill. Military automobile. 1,485,605; Mar. 4.

Glowaski, Kasimiers, Philadelphia, Pa. Caster. 1,485,674; Mar. 4.

Goldberg, Carl, Haida, Czechoslovakia. Switch for electric lines. 1,485,606; Mar. 4.

Golden, John P., assignor to Golden's Foundry & Machine Company, Columbus, Ga. Cane mill. 1,485,386; Mar. 4.

Golden's Foundry & Machine Company. (See Golden, John P., assignor.)

Goldrick, Albert R., Cleveland, assignor to C. W. Schaefer, Lakewood, Ohio. Metal casing for leaf-spring covers. 1,485,978; Mar. 4.

Goldsmith, Gustave M., and C. P. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Lock box. 1,485,387; Mar. 4.

Goldsmith, Gustave M., and C. P. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Locking device. 1,485,388; Mar. 4.

Goldsmith, Gustave M., and C. P. Bartels, assignors to The Mosler Safe Company, Hamilton, Ohio. Locking device. 1,485,389; Mar. 4.

Gorman, Walter J., Jersey City, N. J. Burial vault. 1,485,607; Mar. 4.

Gottlieb, Carl J. A., Aarhus, Denmark. Gas-saving safety device. 1,485,913; Mar. 4.

Government of the United States. (See Delano, H., Chadwick, and Kemp, assignors.)

Gowing, Albert C., Franklin, Mass. Cooling system for internal-combustion engines. 1,485,390; Mar. 4.

Graessle, Julius F., Fond du Lac, Wis. Metal feeder for type-casting machines. 1,486,086; Mar. 4.

Graham Glass Company. (See Miller, Frank R., assignor.)

Grant, Frank W. (See Holmes, G. E., and Grant.)

Grasselli Chemical Company, The. (See Drefahl, L. C., and Taylor, assignors.)

Gray, Alanson M., Elizabeth, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Wax press. 1,485,391; Mar. 4.

Grayson, Charles J., Ashland, Ky. Heater. Des. 64,113; Mar. 4.

Great Western Electro Chemical Company. (See Rosenstein, Ludwig, assignor.)

Greene, John W., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Means for discharging smoke and gas from coke ovens. 1,485,914; Mar. 4.

Griffin, Sydney B., Mamaroneck, assignor to T. F. Moore, New York, N. Y. Display device. 1,485,846; Mar. 4.

Griscom-Russell Company, The. (See Dillon, Edward H. J., assignor.)

Grodsky, Aaron, Cincinnati, Ohio, assignor to American Tobacco Machinery Corporation, New York, N. Y. Tobacco-stemming machine. 1,486,087; Mar. 4.

Gross, Angus R., Baltimore, Md. Parking light for automobiles, etc. Re15,782; Mar. 4.

Groves, Herbert F. (See Mooney, William M., assignor.)

Gruber, Harry J., New York, N. Y. Lighting fixture. Des. 64,114; Mar. 4.

Gruber, Harry J., New York, N. Y. Lighting fixture. Des. 64,115; Mar. 4.

Gruber, Harry J., New York, N. Y. Lighting fixture. Des. 64,116; Mar. 4.

Gruenfeldt, Emil, assignor to The Hydraulic Steel Company, Cleveland, Ohio. Arc welding. 1,485,459; Mar. 4.

Gurr, Ethel E., Oxford, Ohio. Hand warmer. 1,485,979; Mar. 4.

Hack, Charles W., assignor to The Home Refrigerating Company, Topeka, Kans. Piston. 1,486,110; Mar. 4.

Hahre, Martin J., Smithers, British Columbia, Canada. Raker gauge. 1,485,847; Mar. 4.

Hain, Karel F., Bee, Nebr. Drawbar attachment. 1,486,010; Mar. 4.

Hale, William. (See Hartley, A. J., and Hale.)

Halek, Charles, Cleveland, Ohio. Combined coat and helmet. 1,485,392; Mar. 4.

Hall, C. M., Lamp Co. (See Seitz, Ernest O., assignor.)

Hall, David, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Field-magnet pole piece for dynamo-electric machines. 1,485,393; Mar. 4.

Hall, Francis C., Washington, D. C. Car-seat headrest. 1,485,980; Mar. 4.

Hall, Robert F., Schenectady, N. Y. Truck for railway rolling stock. 1,485,981; Mar. 4.

Hall, Robert F., Schenectady, N. Y. Truck for railway rolling stock. 1,485,982; Mar. 4.

Hamel Shoe Machinery Company. (See Reardon, Fred A., assignor.)

Hammel, Monroe, New York, N. Y. Wrist vanity case. 1,485,915; Mar. 4.

Hammond, John A. S., Woodlawn, Md., assignor to U. S. Industrial Alcohol Co. Dehydrating organic liquids. Re15,783; Mar. 4.

Handler, Harry S., Chicago, Ill. Wheel. 1,485,916; Mar. 4.

Hanna, Charles B., Minneapolis, Minn. Self-sealing burial vault. 1,485,557; Mar. 4.

Hanson, Otto, Verdi, Minn. Binder hitch. 1,485,608; Mar. 4.

Hara, Tatsusaburo, assignor to Mitsubishi Kogyo Kabushiki Kaisha, Tokyo, Japan. Synthetic method of producing cyanides. 1,485,502; Mar. 4.

Hardin, William S., Owaneco, Ill. Rural-mail-box-mounting means. 1,486,017; Mar. 4.

Harris, De Witt C., Pineland, Fla. Typewriter action. 1,485,558; Mar. 4.

Harrison, John K. M., Ogontz, Pa. Marine signaling apparatus. 1,485,776; Mar. 4.

Harry, Charles R., assignor to The J. B. Foote Foundry Company, Fredericktown, Ohio. Machine for tamping concrete. 1,486,088; Mar. 4.

Hart Grain Weigher Co. (See Hartley, A. J., and Hale, assignors.)

Hart Grain Weigher Co. (See Hartley, Arthur J., assignor.)

Harter, Louis, Pittsburgh, Pa. Method of and apparatus for making a sheet-metal product. 1,485,917; Mar. 4.

Hartin, Edward R., San Diego, Calif. Forming block. 1,485,609; Mar. 4.

Hartley, Arthur J., assignor to Hart Grain Weigher Co., Peoria, Ill. Band cutter and feeder. 1,485,848; Mar. 4.

Hartley, Arthur J., and W. Hale, assignors to Hart Grain Weigher Co., Peoria, Ill. Adjustable conveyer support for conveyer. 1,485,849; Mar. 4.

Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex telegraphy. 1,485,675; Mar. 4.

Hartmann, Charles A., San Antonio, Tex. Motor-vehicle deflector device. 1,485,777; Mar. 4.

Hartmann, William C., assignor of one-half to C. A. Fleming, Cleveland, Ohio. Caster. 1,485,676; Mar. 4.

Havens, Clara V., assignor to The Karmen Corporation, New York, N. Y. Doll. Des. 64,117; Mar. 4.

Havens, Clara V., assignor to The Karmen Corporation, New York, N. Y. Doll. Des. 64,118; Mar. 4.

Hayes, Jeremiah E. (See Allen, D. M., and Hayes.)

Haynes, Elbert J., Cleveland, Ohio. Sounding line. 1,485,394; Mar. 4.

Hearn, Hiram S., Denver, Colo. Telephone mouthpiece. 1,485,918; Mar. 4.

Hein, George N., San Francisco, Calif. Windshield cleaner. 1,485,911; Mar. 4.

Heise, Otto W., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Protecting device for gauges. 1,485,412; Mar. 4.

Hempel, Peter, Hastings, Nebr. Kiln. 1,485,920; Mar. 4.

Hendricks, Thomas A., Lexington, Ky. Road light for automobiles. 1,485,993; Mar. 4.

Henrie, George M., St. Louis, Mo. Ironing board. 1,486,018; Mar. 4.

Herbert, Michael F., Chicago, Ill. Sectional boiler. 1,486,089; Mar. 4.

Herrick, Robert F., jr., Westwood, assignor to Saco-Lowell Shops, Boston, Mass. Spinning frame. 1,485,921; Mar. 4.

Herro, Moses A., Oconomowoc, Wis. Expansion reamer. 1,485,610; Mar. 4.

Hibbs, Hollie, Leeton, Mo. Poultry-tank heater. 1,485,395; Mar. 4.

Hickok Manufacturing Company, Inc. (See Shields, Lowell W., assignor.)

Higgins, William J., Lakewood, Ohio. Steering-column stabilizer. 1,486,922; Mar. 4.

Hinchcliffe, Charles W., assignor of one-half to F. J. Craig, Lawrence, Mass. Sifter. 1,485,396; Mar. 4.

Hirtzel, Orrie C., North East, Pa. Trolley hanger and making the same. 1,485,923; Mar. 4.

Hobbs, William H., Barnesville, Ohio. Plant protector. 1,485,924; Mar. 4.

Hoedt, Rudolph. (See Berns, J. H., jr., and Hoedt.)

Hogenson, William, Chicago, assignor to Chicago Vitreous Enamel Product Company, Cicero, Ill. Worktable for use in coating articles. 1,485,926; Mar. 4.

Holden, Hiram C., Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y. Hydrogenation of oils. 1,485,926; Mar. 4.

Holdmann, Charles. (See Kluegel, C. E., Jagielski, and Holdmann.)

Holdmann, Fred A. (See Kluegel, C. E., Jagielski, and Holdmann.)

Holland, Kirk D., Chicago, Ill. Vaporizing device. 1,485,927; Mar. 4.

Hollander, Aladar, Belleville, N. J. Centrifugal pump. 1,485,504; Mar. 4.

Hollander, George J., Portland, Me. Sanitary toothbrush holder. 1,485,850; Mar. 4.

Holley, Earl. (See Meloche, Daniel H., assignor.)

Holmes, George E., and F. W. Grant, Dover, N. H. Ice-cream disher. 1,485,677; Mar. 4.

Holsinger, George W., Vincennes, Ind. Method of and means for making sheet glass. 1,485,928; Mar. 4.

Holst, Gilles, and E. Oosterhuis, assignors to Naamloose Vennootschap Philips Gloeilampen-Fabrieken, Eindhoven, Netherlands. Introducing alkali or earth-alkali metals in discharging tubes and the like. 1,485,505; Mar. 4.

Holst, Lodewyk J. E., assignor to A. Brock, jr., Philadelphia, Pa. Lens. 1,485,929; Mar. 4.

Holt, Harris B., Dormont, assignor to Rosedale Foundry & Machine Company, Pittsburgh, Pa. Furnace grate. 1,485,559; Mar. 4.

Holzenthaler, Charles J., New York, N. Y. Cap-crown support. 1,485,775; Mar. 4.

Holzwarth, Hans, Mulheim, Germany. Turbine bucket. 1,486,678; Mar. 4.

Home Refrigerating Company, The. (See Hack, Charles W., assignor.)

Hoogendoorn, Florian. (See Anxböck, Oskar, assignor.)

Hopkinson, John M., Savannah, Ga. Eccentric-arm-replacement gauge. 1,486,019; Mar. 4.

Hopper Cannery Machinery Co. (See Hopper, Ernest W., assignor.)

Hopper, Ernest W., assignor to Hopper Cannery Machinery Co., Seattle, Wash. Retort. 1,485,851; Mar. 4.

Horne, William D., Yonkers, N. Y. Defecating sugar juice. 1,486,091; Mar. 4.

Hoschek, Achille J. O., New York, N. Y. Truss. 1,485,611; Mar. 4.

Houghtaling, Levi B., Reading, Pa. Silo. 1,485,679; Mar. 4.

Houseman, George A., Shreveport, La. Radiator core. Re15,784; Mar. 4.

Howind, Victor G., Newport, Ky. Cylinder-reboring tool. 1,485,930; Mar. 4.

Hudson Manufacturing Company. (See Ackerman, Robert J., assignor.)

Hudson, Samuel, Los Angeles, Calif. Hair-drying apparatus. 1,485,983; Mar. 4.

Hughes, William H., Falls City, Nebr. Floor polisher. 1,485,680; Mar. 4.

Hull, George E., Pitcairn, Pa. Draft-controlling device for furnaces. 1,485,613; Mar. 4.

Hull, Harry E., Williamsburg, Iowa. Foot control for automobiles. 1,485,612; Mar. 4.

Hurtt, C. B., trustee. (See Brown, Lloyd, assignor.)

Hydraulic Steel Company. (See Daykin, Spensley S., assignor.)

Hydraulic Steel Company, The. (See Gruenfeldt, Emil, assignor.)

Ikas, Barbara E., Newark, N. J. Hair-curling device. 1,485,506; Mar. 4.

Ingersoll-Rand Company. (See Ditson, Jesse, assignor.)

Ingle, Arthur H. (See Trosch, Alfred, assignor.)

International Gauge & Appliance Corporation. (See Birk, Louis, assignor.)

International Motor Company. (See Masury, Alfred F., assignor.)

International Oxygen Company. (See McKay, William F., assignor.)

Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)

Interstate Refineries, Inc. (See Muehl, William F., assignor.)

Iredell, Charles E., Regents Park, London, England. Fusible cut-out for electrically-heated articles. 1,485,784; Mar. 4.

Irwin, George H. (See Dickey, E. P., and Irwin.)

J. R. Geigy A. G. (See Lüttin, Karl, assignor.)

Jackson, C. Hewlett, et al. (See Moore, Lonnie M., assignor.)

Jagielski, James. (See Kluegel, C. E., Jagielski, and Holdmann.)

Janovsky, Andy, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Adjustable electric-lamp support for candle tubes. 1,485,614; Mar. 4.

Jarvis, Charles H., assignor to United Steel and Wire Co., Battle Creek, Mich. Display stand. 1,485,852; Mar. 4.

Jefferson Electric Manufacturing company. (See Zimmerman, James G., assignor.)

Jenkins, Herbert C. (See Sibley, J. B., and Jenkins.)

Jerolaman, Henry F., Chicago, Ill., assignor, by mesne assignments, to A. H. Smith, Chappaqua, N. Y. Railway car. 1,486,020; Mar. 4.

Johanson, Olaf J., Boston, Mass. Nail driver. 1,485,413; Mar. 4.

Johnson, Dewitt C., National Soldiers Home, Va. Truss. 1,486,021; Mar. 4.

Johnson, John E., assignor of one-half to C. E. Lindgren, De Kalb, Ill. Indicating fuse plug. 1,485,560; Mar. 4.

Johnston, Howard M., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Sheaf carrier for binders. 1,486,022; Mar. 4.

Johnston, James S., Utica, N. Y. Machine gun. 1,485,460; Mar. 4.

Johnstone, William O., North Tonawanda, N. Y. Hose supporter. 1,486,092; Mar. 4.

Jones, Arthur S., Independence, Kans. Oil-well reamer. 1,486,615; Mar. 4.

Jones, James S., and M. A. Scott Beggs, Okla. Gasoline-supplying attachment. 1,485,723; Mar. 4.

Jones, Jay D., New York, N. Y. Antiglare attachment for headlights. 1,485,853; Mar. 4.

Jones, John D., Walla Walla, Wash. Self-oiling hub bearing. 1,485,984; Mar. 4.

Jones, John D., Walla Walla, Wash. Vacuum-controlled lubricating bearing. 1,485,985; Mar. 4.

Jones, Lonell S., Denver, Colo. Boiler. 1,485,616; Mar. 4.

Joy, Charles H. (See Joy, C. H., jr., and Sauer, assignors.)

Joy, Charles H., jr., and L. J. Sauer, assignors to C. H. Joy, Chicago, Ill. Fluid-dispensing device. 1,485,561; Mar. 4.

Joyce, James J., Portsmouth, N. H. Safety clasp. 1,485,854; Mar. 4.

Jubb, Herbert. (See Moore, M. S., and Jubb.)

Jwor, George, Hopewell, Va., assignor to Tubize Artificial Silk Company of America, Wilmington, Del. Nitrating apparatus. 1,485,507; Mar. 4.

Junkers, Hugo, Dessau, Germany. Rotary pump. 1,485,414; Mar. 4.

Kahn Manufacturing Company. (See Pendergrass, Walter L., assignor.)

Kaiser, John B., Helena, Mont. Elevator doorlock. 1,486,093; Mar. 4.

Kalmosky, Albert, New York, N. Y. Phonograph repeater. 1,485,415; Mar. 4.

Kallajian, Lazarus S., Boston, Mass. Coaster brake. 1,485,617; Mar. 4.

Karmen Corporation, The. (See Havens, Clara V., assignor.)

Kauch, Robert, Dayton, Ohio. Compensating sighting instrument. 1,485,785; Mar. 4.

Keim, William, Brooklyn, N. Y. Spool holder. 1,486,023; Mar. 4.

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Beating device. 1,485,416; Mar. 4.

Kellogg, Lewis M., South Pasadena, Calif. Gyratory ore grinder. 1,485,618; Mar. 4.

Kellogg, M. W., Company, The. (See Gray, Alanson M., assignor.)

Kellogg Switchboard and Supply Company. (See Yanechowski, George A., assignor.)

Kelly, J. A., et al. (See McKenney, F. Y., and Cheney, assignors.)

Kelly, J. F., et al. (See McKenney, F. Y., and Cheney, assignors.)

Kemp, Silas V. (See Delano, H., Chadwick, and Kemp.)

Kent, Arthur A., Ardmore, Pa. Coupling and tuning apparatus. 1,485,931; Mar. 4.

Kent, Otis B., Washington, D. C., and R. L. Miller; said Miller assignor to Otis Automatic Train Control, Inc., Spokane, Wash. Valve mechanism for automatic train-control apparatus. 1,485,417; Mar. 4.

Kerwin, Thomas J., Chicago, Ill., assignor to Edmunds & Jones Corporation. Switching socket. 1,485,932; Mar. 4.

Kidney, Willis E., assignor to The Cleveland Electric Machine and Manufacturing Company, Cleveland, Ohio. Coffee mill. 1,485,855; Mar. 4.

Kiley, Edward J., assignor to The Ohio Brass Company, Mansfield, Ohio. Valve. 1,485,508; Mar. 4.

Kimball, A., Company. (See Wallin, Gustaf A., assignor.)

Kintzele, Felix P., St. Louis, Mo. Safety catch for pins. 1,485,933; Mar. 4.

Kirsch, Henry. (See Boyd, B. K., and Kirsch.)

Kirschberg, Sigmund. (See Neddersen, Charles J., assignor.)

Kjekstad, Johannes, Brooklyn, N. Y. Electric generator. 1,485,856; Mar. 4.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Safety manual feed for drills. 1,485,857; Mar. 4.

Kluegel, Charles E., J. Jagielski, C. and F. A. Holdmann, Chicago, Ill. Auxiliary air inlet and mixing chamber. 1,486,090; Mar. 4.

Kluge, Herman F. (See Resek, M., and Kluge.)

Knowles, Albert E., Heswall, England. Electrolytic cell. 1,485,461; Mar. 4.

Köhler, Otto, Vienna, assignor to Oesterreichische Daimler Motoren Aktiengesellschaft, Wiener-Neustadt, Austria. Apparatus for coupling tractors to trailers. 1,485,509; Mar. 4.

Korbuly, Sándor, assignor to B. Aivas, Budapest, Hungary. Shredding machine. 1,485,418; Mar. 4.

Kraft, Joseph G., Orange, N. J., assignor to T. Y. Kraft & Co., New York, N. Y. Display shelf for merchandise. 1,485,786; Mar. 4.

Kraft, T. Y., & Co. (See Kraft, Joseph G., assignor.)

Krag, Harry W., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Bobbin winder. 1,485,619; Mar. 4.

Kreisheld, Henry, Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Traveler's iron. 1,485,397; Mar. 4.

Kron, Frank, Kansas City, Mo. Ice-pick holder. 1,485,510; Mar. 4.

Krupp, Leo A., Findlay, Ohio. Excavating machine. 1,485,858; Mar. 4.

Kurtz, Alfred, Brooklyn, N. Y. Lining for hats. 1,485,511; Mar. 4.

Kutsche, Arthur H., Monroe, Mich. Spring wheel. 1,486,024; Mar. 4.

Küttel, Frans, Lucerne, Switzerland. T-square guide. 1,485,787; Mar. 4.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal metal-pipe mold. 1,485,859; Mar. 4.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Centrifugal casting machine. 1,485,860; Mar. 4.

Lake, Harry E., Reading, Mass. Fruit corer. 1,485,681; Mar. 4.

La Montagne, Patrick P., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Clutch-shifting mechanism. 1,485,419; Mar. 4.

Lamwers, Otto, Paterson, N. J. Aircraft propeller. 1,485,788; Mar. 4.

Lange, Berthold A., St. Louis, Mo. Egg case. 1,486,025; Mar. 4.

Lange, Berthold A., St. Louis, Mo. Egg case. 1,485,026; Mar. 4.

Langness, Charles M., Duluth, Minn. Collapsible tool box. 1,485,420; Mar. 4.

Larrabee, William H., assignor to Union Water Meter Company, Worcester, Mass. Compound meter-valve mechanism. 1,486,111; Mar. 4.

Larson, August L., Kellogg, assignor to Coeur D'Alene Hardware and Foundry Company, Wallace, Idaho. Sintering-machine grate. Re15,787; Mar. 4.

Larson, Shure, Norway, Iowa. Doorlock. 1,485,620; Mar. 4.

Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Sorting-machine stop device. 1,485,861; Mar. 4.

Lattan, Matthias. (See Dietz, C., Lattan, and Bosse.)

Laycock, John L. (See North, C. E., and Laycock.)

Leach, Joseph E., et al. (See Ellis, Nat H., assignor.)

Lebroe, Manufacturing Co., The. (See Levin, Jacob, assignor.)

Le Cocq, Frank and I., Aberdeen, S. Dak.; said Frank Le Cocq assignor to said I. Le Cocq. Liner. 1,485,512; Mar. 4.

Le Cocq, Irwin. (See Le Cocq, Frank and I.)

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Hinge structure for automobile doors. 1,485,398; Mar. 4.

Leger, Zenon P., Moncton, New Brunswick, Canada. Automatic air-brake apparatus for railway trains and the like. 1,485,421; Mar. 4.

Lehman, Edward G., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Sectional case lock. 1,486,094; Mar. 4.

Lemoine, David, and G. P. Fournier, Whitinsville, Mass. Spindle bearing. 1,486,095; Mar. 4.

Lester, Stephen T., East Bakersfield, Calif. Connecting device. 1,485,862; Mar. 4.

Levin, Jacob, assignor to The Lebroe Manufacturing Co., Inc., New York, N. Y. Beverage preparing and dispensing stand. Des. 64,119; Mar. 4.

Levy, Maurice. (See Curioni, Aldo, assignor.)

Lieftuchter, Gerhard H., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Bracket for lighting fixtures. Des. 64,120; Mar. 4.

Liese, Augustus, Rowe, Mass. Bicycle gear. 1,485,682; Mar. 4.

Ligammar, Salvatore, Chicago, Ill., and B. Dallio, Lodi, N. J. Alarm mechanism. 1,486,096; Mar. 4.

Lignoski, Milton S., Houston, Tex., assignor to G. R. Livergood. Pipe holder. 1,485,683; Mar. 4.

Lillibridge, Curtis C., Hutchinson, Kans. Oil burner. Re15,785; Mar. 4.

Lindgren, C. Edward. (See Johnson, John E., assignor.)

Lindow, Frank B., Milwaukee, Wis. Desk lamp. Des. 64,121; Mar. 4.

Livergood, G. R. (See Lignoski, Milton S., assignor.)

Livingston, David A., Metchosin, British Columbia, Canada. Needle-threading attachment. 1,485,684; Mar. 4.

Loeffler, William, Sheboygan, Wis. Pulley. 1,485,621; Mar. 4.

Logan, Frank A., Edgewood, Md., assignor to Mine Safety Appliances Co., Pittsburgh, Pa. Eyepiece frame. 1,485,789; Mar. 4.

Longworth, Frederick A. H., Toronto, Ontario, Canada. Tobacco holder and cutter. 1,485,399; Mar. 4.

Loomis, Evarts G., Newark, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Process and apparatus for purifying camphor. 1,486,097; Mar. 4.

Lowenstein, Fritz, deceased; J. C. Walt, administrator, assignor to W. Dubilier, New York, N. Y. Electrical apparatus. 1,485,462; Mar. 4.

Lübcke, Ernst, assignor to Atlas Werke Aktiengesellschaft, Bremen, Germany. Compensating device for the determination of the direction of sounds according to the binaural method. 1,485,513; Mar. 4.

Lucas, Owen D. (See Martin, H. P., and Lucas.)

Lucas, Owen D., Bayswater, London, assignor to V. M. L. Experimental Limited, Westminster, London, England. Parachute. 1,485,400; Mar. 4.

Ludington, Varnum D., Holley, N. Y. Controlling means for flues of heating appliances. 1,485,463; Mar. 4.

Lumley, Wilfrid, Conneaut, Ohio. Reenforcing bar for concrete constructions. 1,485,562; Mar. 4.

Lundin, Andreas P. (See Baxter, W. M., and Lundin.)

Lüttin, Karl, assignor to J. R. Geigy A. G., Basel, Switzerland. Dye solution and process for making and utilizing same. 1,485,790; Mar. 4.

M. L. Experimental Limited. (See Martin, H. P., and Lucas, assignors.)

MacDonald, Clinton F., and H. H. McKee, St. Paul, Minn., assignors to Swift & Co., Chicago, Ill. Rolling and severing machine for hog sides. 1,485,403; Mar. 4.

Mackay, Philip A., London, England. Making lead sulphate. 1,485,704; Mar. 4.

Maclean, John P., Newcastle, New South Wales, Australia. Spring fork for motor cycles and other cycles. 1,485,935; Mar. 4.

Macomber, Martha M. (See Macomber, William I., assignor.)

Macomber, William I., assignor to M. M. Macomber, Providence, R. I. Chain-making method and machine. 1,485,934; Mar. 4.

Magie, William E., Buffalo, N. Y., and W. Ferris, South Milwaukee, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 1,485,986; Mar. 4.

Mallernee, Charles A., Battle Creek, Mich. Kaleidoscope. 1,485,795; Mar. 4.

Manning, Maxwell & Moore, Inc. (See Heise, Otto W., assignor.)

Manuel, Charles J., Tarrytown, N. Y. Measuring server for ice cream and the like. 1,485,622; Mar. 4.

Manwaring, Albert H., assignor of one-half to R. A. Manwaring, Noble, Pa. Hydraulic clutch. 1,485,987; Mar. 4.

Manwaring, Roy A. (See Manwaring, Albert H., assignor.)

Maranville, Harvey F., assignor, by mesne assignments, to The Firestone Tire and Rubber Company, Akron, Ohio. Tire bead and making same. 1,485,864; Mar. 4.

Mardis, Paul L. (See McIver, A., and Mardis.)

Martin, Helmuth P., and O. D. Lucas, assignors to M. L. Experimental Limited, Westminster, England. Ammunition. 1,485,404; Mar. 4.

Mason, Earl P. (See West, P., and Mason.)

Mason, James A. (See Bury, O., and Mason.)

Massey-Harris Company. (See Johnston, Howard M., assignor.)

Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Brake for motor vehicles. 1,485,686; Mar. 4.

Mathieu, Frederick W., assignor to G. E. Mathieu, New York, N. Y. Globe for lighting fixtures. Des. 64,122; Mar. 4.

Mathieu, Grace E. (See Mathieu, Frederick W., assignor.)
Max Ams Machine Company, The. (See Brensinger, Julius, assignor.)
Maxfield, Harold A., assignor to E. P. Waterhouse, Worcester, Mass. Train-controlling system. 1,485,563; Mar. 4.
Mayo, Charles M., Indianapolis, Ind. Septic tank. 1,485,623; Mar. 4.
Mayotte, Frank E., Adams, Mass. Elevator safety device. 1,486,027; Mar. 4.
McCauley, Ernest G., Dayton, Ohio. Automatic locking device for airplane rudder bars. 1,485,791; Mar. 4.
McCracken, James D., Cincinnati, assignor to The United States Playing Card Company, Norwood, Ohio. Heating or drying drum. 1,486,112; Mar. 4.
McDonough, Edward, Elgin, assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Chicago, Ill. Composite gear. 1,485,464; Mar. 4.
McDonough, John H., assignor to The Murray Company, Dallas, Tex. Cotton cleaner. 1,485,402; Mar. 4.
McDonough, John H., Dallas, Tex., and O. Mitchell, Brookline, Mass., assignors to The Murray Company, Dallas, Tex. Cleaner for cotton. 1,485,401; Mar. 4.
McFarland, Grover A., et al. (See Westbrook, Pleasant M., assignor.)
McGaffey, Hildred, New York, N. Y. Sunshade for hats. 1,486,098; Mar. 4.
McGinty, Hugh L., Pittsburgh, Pa., assignor, by mesne assignments, to Sendbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cup. Re15,786; Mar. 4.
McGuire, Eugene L., Massillon, Ohio. Sign. 1,485,514; Mar. 4.
McIver, Alexander, Deer Lodge, Mont., and P. L. Mardis, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control apparatus. 1,485,422; Mar. 4.
McKay, Augusta P., Rome, Ga., assignor to Oliver Chilled Plow Works, South Bend, Ind. Plow. 1,485,423; Mar. 4.
McKay, William F., assignor to International Oxygen Company, Newark, N. J. Valve. 1,485,792; Mar. 4.
McKee, Harry H. (See MacDonald, C. F., and McKee.)
McKee, Thomas J., Waco, Tex. Undergarment. 1,485,793; Mar. 4.
McKenney, Fred Y., and W. H. Cheney, Chattanooga, Tenn., assignors of one-sixth to M. A. Watson, one-sixth to J. A. Kelly, one-sixth to J. F. Kelly, one-sixth to G. L. Robinson, one-tenth to R. E. Robinson, jr., and seven-thirtieths to J. Z. Easley. Soap and water mixer. 1,486,100; Mar. 4.
McKinney, Ralph A., Pittsburgh, Pa. Cabinet for wireless receiving apparatus. Des. 64,123; Mar. 4.
Mclain, Andrew, Carnegie, Pa. Spike puller. 1,485,863; Mar. 4.
McMahon, James A., Hamilton, Ontario, Canada. Golf club. 1,485,685; Mar. 4.
McSwan, Alexander M., R. A. Ewing, and W. Thomson, Dunedin, New Zealand. Clothespeg. 1,486,099; Mar. 4.
Megorden, Norbit O., Clearwater, Wash. Toy. 1,486,101; Mar. 4.
Melchen, Murry M., Marion, Ind. Fish bait. 1,486,028; Mar. 4.
Melanowski, Leo, assignor of one-third to W. H. Cowdery and one-third to G. B. Durell, Cleveland, Ohio. Cast-metal wheel. 1,485,564; Mar. 4.
Melling, Herman W., Jackson, Mich. Lathe. 1,485,687; Mar. 4.
Melling, Herman W., Jackson, Mich. Work rest. 1,485,688; Mar. 4.
Melling, Herman W., Jackson, Mich. Nut-making machine. 1,485,689; Mar. 4.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Means for protecting the surface of cores. 1,485,624; Mar. 4.
Merck & Co. (See Engels, William H., assignor.)
Merriman, Charles W., Beaver Falls, Pa. Valve lift. 1,485,405; Mar. 4.
Merseles, Henry R. (See Merseles, Herbert E. and H. R., Simmons, and Engel.)
Merseles, Herbert E., Bronxville, N. Y. Washing apparatus. 1,485,797; Mar. 4.
Merseles, Herbert E. and H. R., Bronxville, C. F. Simmons, New Rochelle, and P. H. Engel, New York, N. Y.; said H. R. Merseles, said Simmons, and said Engel assignors to said H. E. Merseles. Washing machine. 1,486,796; Mar. 4.
Merté, Willy, assignor to the Firm of Carl Zeiss, Jena, Germany. Telephoto objective. 1,485,515; Mar. 4.
Merton, Percy, Park Ridge, N. J. Cap. 1,486,102; Mar. 4.
Mestars, Robert, assignor to Security Manufacturing Company, Los Angeles, Calif. Audible theft signal for automobiles. 1,485,690; Mar. 4.
Meyer, Friedrich W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Control and regulation of energy-conversion machines. 1,485,865; Mar. 4.
Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Acid-phosphate process. 1,485,406; Mar. 4.
Michel, Hermann, Veorde, Holstein, Germany. Engine. 1,485,988; Mar. 4.
Michelich, John, Auburn, Ill. Charger. 1,485,407; Mar. 4.
Milk Oil Corporation, The. (See North, C. E., and Laycock, assignors.)
Milk Oil Corporation, The. (See North, C. E., and Peck, assignors.)
Milk Oil Corporation, The. (See North, Charles E., assignor.)
Miller, Arthur, assignor to The Solar Metal Products Company, Columbus, Ohio. Metal receptacle. 1,485,408; Mar. 4.
Miller-Chapman Company. (See Chapman, Earle E., assignor.)
Miller, Frank B., Terre Haute, Ind. Electric sign. 1,485,691; Mar. 4.
Miller, Frank R., assignor to Graham Glass Company, Evansville, Ind. Bottle. Des. 64,124; Mar. 4.
Miller, Frank R., assignor to Graham Glass Company, Evansville, Ind. Bottle. Des. 64,125; Mar. 4.
Miller, Frank R., assignor to Graham Glass Company, Evansville, Ind. Bottle. Des. 64,126; Mar. 4.
Miller, Frank R., assignor to Graham Glass Company, Evansville, Ind. Bottle. Des. 64,127; Mar. 4.
Miller, John, Arlington, N. J. Road wheel. 1,485,798; Mar. 4.
Miller, John J., Chicago, Ill. Supplemental grain door for freight cars. 1,485,866; Mar. 4.
Miller, Leonard, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,485,409; Mar. 4.
Miller, Robert L. (See Kent, O. B., and Miller.)
Milnes, John J., jr., New York, N. Y. Oil burner. 1,486,103; Mar. 4.
Mine Safety Appliances Co. (See Logan, Frank A., assignor.)
Miner, William H. (See O'Connor, John F., assignor.)
Miner, William H., Chazy, N. Y. Center bearing for cars. 1,485,799; Mar. 4.
Mitchell, Arthur R., St. Louis, Mo., assignor to J. Obermaier, Chicago, Ill. Handle protector. 1,485,465; Mar. 4.
Mitchell, Oliver. (See McDonough, J. H., and Mitchell.)
Mitsubishi Kogyo Kabushiki Kaisha. (See Hara, Tatsusaburo, assignor.)
Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,485,516; Mar. 4.
Mooney, William M., assignor of one-half to H. F. Groves, Washington, D. C. Insect trap. 1,485,867; Mar. 4.
Moore, Joseph W., assignor of one-half to R. G. Corkern, Oberlin, La. Typewriter. 1,485,800; Mar. 4.
Moore, Lonnie M., assignor of one-third to C. H. Jackson and one-third to V. L. Gates, Hopkinsville, Ky. Double curtain-rod fixture. 1,485,989; Mar. 4.
Moore, Matthew S., and H. Jubb, assignors to Cowlishaw, Walker & Company (1920) Limited, London, England. Coal cutter. 1,485,801; Mar. 4.
Moore, Robert A., New York, N. Y. Curtain fastener. 1,485,990; Mar. 4.
Moore, T. Fred. (See Griffin, Sydney B., assignor.)
Mora, John F. (See Stranahan, J. F., and Mora.)
Morlan, Frederick H., Fairfield, Ill. Brake mechanism. 1,485,802; Mar. 4.
Morris, William H., Bellaire, Ohio. Valve. 1,485,517; Mar. 4.
Mortensen, Harold D. (See Rideout, Edward S., assignor.)
Mosler Safe Company, The. (See Bartels, C., and Bellamore, assignors.)
Mosler Safe Company. (See Bellamore, D. H., and Bartels, assignors.)
Mosler Safe Company, The. (See Goldsmith, G. M., and Bartels, assignors.)
Mount, Donald. (See Mount, Marcus W., jr., and D.)
Mount, Marcus W., jr., and D., Memphis, Mo. Filler block for convertible internal-combustion engines. 1,485,803; Mar. 4.
Muchka, Josef, Vienna, Austria. Storage of inflammable liquids. 1,485,518; Mar. 4.
Muehl, William F., assignor to Interstate Refineries, Inc., Kansas City, Mo. Apparatus for converting heavy hydrocarbons into lighter hydrocarbons. 1,485,565; Mar. 4.
Mulley, Sidney P., Chicago, Ill. Combination kitchen furniture. 1,485,991; Mar. 4.
Munslow, Arthur D., Potts Point, near Sydney, New South Wales, Australia. Holder check and emergency lock for hinged doors and windows. 1,485,424; Mar. 4.
Murray Company, The. (See McDonough, John H., assignor.)
Murray Company, The. (See McDonough, J. H., and Mitchell, assignors.)
Murray Company, The. (See Rackemann, Felix, assignor.)
Murtha, William F., assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. 1,485,868; Mar. 4.
Musselman, Joseph F., Bronxville, N. Y., assignor to Anti-Corrosion Engineering Company, Inc. Vacuum regulator. 1,485,936; Mar. 4.
Myers, Romaine W., assignor to California Cap Company, Oakland, Calif. Spring motor. 1,485,692; Mar. 4.
Myette, Emanuel, Providence, R. I. Wire-coiling machine. 1,485,425; Mar. 4.
Naamlooze Vennootschap Philip's Gloeilampen-Fabrieken. (See Holst, G., and Oosterhuis, assignors.)

Nash, Charles A., assignor of three-fourths to Amrevo Electric Company and one-fourth to S. Stedman, Chicago, Ill. Signaling system. 1,485,869; Mar. 4.
Nash, Charles A., assignor of three-fourths to Amrevo Electric Company, and one-fourth to S. Stedman, Chicago, Ill. Signaling system. 1,485,870; Mar. 4.
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Acme Company, The. (See Downs, Edmond E., assignor.)
National Acme Company, The. (See Smith, Oscar A., assignor.)
National Gauge and Equipment Company. (See Gelatt, Philo M., assignor.)
Naumburg, Robert E., Winchester, assignor to Saco-Lowell Shops, Boston, Mass. Spinning frame. 1,485,871; Mar. 4.
Neddersen, Charles J., Oakland, assignor of one-half to S. Kirschberg, San Francisco, Calif. Pulling machine. 1,485,804; Mar. 4.
Nelson, Gus, Douglas, Ariz. Ore-screening apparatus. 1,485,872; Mar. 4.
Nelson, Robert O., San Francisco, Calif. Attachment for toothbrushes. 1,485,519; Mar. 4.
Newell Mfg. Co. Inc., The. (See Acker, Aaron, assignor.)
New Haven Clock Co. (See Porter, Wilson E., assignor.)
Newton, Albert E., assignor to Rhode Island Lace Works, West Barrington, R. I. Lace. 1,485,693; Mar. 4.
Nichols, Edgar B., Rochester, N. Y. Chain-link construction. 1,485,520; Mar. 4.
Nikolas, George J., Chicago, Ill. Finishing siccative coatings. 1,485,521; Mar. 4.
Nivin, William W. (See Parker, H. L., jr., and Nivin.)
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 64,128; Mar. 4.
Nolan, James A., Bowerston, Ohio. Rotary-dump feeder mechanism. 1,486,104; Mar. 4.
Nolan, James A., Bowerston, Ohio. Automatic feeder. 1,486,105; Mar. 4.
Nordseth, Halfdan J., San Francisco, Calif. Clasp. 1,485,694; Mar. 4.
Norman, Emil P., Holmquist, S. Dak. Compression pump. 1,485,695; Mar. 4.
Norris, Henry M., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Compensating depth gauge. 1,485,805; Mar. 4.
Norris, Paul E., Wilkinsburg, Pa., assignor, by mesne assignments, to Westinghouse Union Battery Company, Swissvale, Pa. Machine for pasting storage-battery grids. 1,485,426; Mar. 4.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation. Extracting oil from milk and cream. 1,485,696; Mar. 4.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation. Extracting oil from milk and cream. 1,485,697; Mar. 4.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation. Obtaining milk fat. 1,485,698; Mar. 4.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation. Making butter. 1,485,699; Mar. 4.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Continuous process of extracting oil from milk. 1,485,702; Mar. 4.
North, Charles E., Montclair, N. J., and J. L. Laycock, North Pelham, N. Y., assignors to The Milk Oil Corporation, Wilmington, Del. Extracting oil from milk. 1,485,700; Mar. 4.
North, Charles E., Montclair, N. J., and G. C. Peck, Potsdam, N. Y., assignors to The Milk Oil Corporation, Wilmington, Del. Extracting milk oil. 1,485,701; Mar. 4.
North & Judd Manufacturing Company. (See Smith, Clarence E., assignor.)
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Magneto construction. 1,485,992; Mar. 4.
Nutt, William H., Newburyport, Mass. Shoe heel. Des. 64,129; Mar. 4.
O. K. Dental Articulator Corporation. (See O'Keefe, James M., assignor.)
Obermaier, John. (See Mitchell, Arthur R., assignor.)
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Brake for railway cars. 1,485,806; Mar. 4.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Antifriction bearing. 1,485,807; Mar. 4.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand brake for railway cars. 1,485,808; Mar. 4.
Oesterreichische Daimler Motoren Aktiengesellschaft. (See Köhler, Otto, assignor.)
Ogle, Elmer L., assignor to Federal Electric Company, Chicago, Ill. Fuse. 1,485,703; Mar. 4.
Ohio Brass Company, The. (See Kiley, Edward J., assignor.)
Oilgear Company, The. (See Magie, W. E., and Ferris, assignors.)
O'Keefe, James M., Brooklyn, N. Y., assignor to O. K. Dental Articulator Corporation, New York, N. Y. Dental articulator. 1,485,873; Mar. 4.
O'Keefe, Patrick J., et al. (See Peterson, George W., assignor.)
Oliver Chilled Plow Works. (See Gemberling, Cameron H., assignor.)
Oliver Chilled Plow Works. (See McKay, Augusta P., assignor.)
Olsen, Tage H., Fresno, Calif. Automobile bumper. 1,485,876; Mar. 4.
O'Malley, Tulley, Cordova, Alaska. Portable bandsaw. 1,485,874; Mar. 4.
O'Malley, Tulley, Cordova, Alaska. Floating fish trap. 1,485,875; Mar. 4.
Oosterhuis, Ekko. (See Holst, G., and Oosterhuis.)
Osborne, John W., Winchester, Ill., assignor of one-half to H. C. Six. Railroad signal. 1,485,877; Mar. 4.
Otis Automatic Train Control, Inc. (See Kent, O. B., and Miller, assignors.)
Owen, Oscar L. (See Stewart, S., and Owen.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Page, John W., Chicago, Ill. Excavating device. 1,485,878; Mar. 4.
Page, John W., Chicago, Ill. Detachable tooth for excavating shovels. 1,485,879; Mar. 4.
Page, Victor W., New York, N. Y. Rear-spring mounting. 1,485,809; Mar. 4.
Paige, Arthur E., Philadelphia, Pa. Forming containers. 1,485,427; Mar. 4.
Palmer, Frank, Naugatuck, Conn. Platform truck. 1,485,880; Mar. 4.
Palombo, Faustino, Bedford, Ohio. Tire. 1,486,106; Mar. 4.
Panama Rubber and Equipment Co. (See Spoeneman, H. E., and Schwarz, assignors.)
Paramount Textile Co. (See Gerritson, Jacob, assignor.)
Parizek, Frank, Chicago, Ill. Ash receiver. Des. 64,131; Mar. 4.
Park, Kennedy, Mansfield, Ohio. Demountable-rim jack. 1,485,522; Mar. 4.
Parker, George F., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 64,130; Mar. 4.
Parker, H. L., jr., & Company. (See Parker, H. L., jr., and Nivin, assignors.)
Parker, Herbert L., jr., and W. W. Nivin, assignors to H. L. Parker, jr., & Company, St. Louis, Mo. Imitation marble and making same. 1,485,810; Mar. 4.
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Door bolt. 1,486,029; Mar. 4.
Patterson, Harry R., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Engine-priming device. 1,485,428; Mar. 4.
Pease, William E., et al. (See Evers, William H., assignor.)
Peck, George C. (See North, C. E., and Peck.)
Pederson, Oscar W., Chicago, Ill. Column-bar spacer. 1,485,811; Mar. 4.
Pence, John W., Buffalo, assignor of one-half to G. B. Blackburn, Chanute, Kans. Tire remover. 1,486,030; Mar. 4.
Pendergrass, Walter L., assignor to Kahn Manufacturing Company, Mobile, Ala. Watch pocket. 1,485,523; Mar. 4.
Pescara, Raul P., Barcelona, Spain. Aircraft. 1,485,704; Mar. 4.
Peterson, George W., assignor of one-fourth to C. Dyckman, one-fourth to R. W. Schroeder, and one-fourth to P. J. O'Keeffe, Chicago, Ill. Engine valve. 1,485,625; Mar. 4.
Peterson, William H. (See Fred, E. B., and Peterson.)
Pfeiffer, Charles G., assignor to Specialty Engineering Company, Philadelphia, Pa. Loading machinery. 1,485,812; Mar. 4.
Phillips, Joseph F., New Orleans, La. Attachment for tobacco pipes. 1,486,031; Mar. 4.
Pickron, Hugo H., assignor of one-half to W. E. Copp, Rock Island, Ill. Crystal detector for radio instruments. 1,485,524; Mar. 4.
Piel, Walter, New York, N. Y. Gasoline-supply system for internal-combustion engines. 1,485,705; Mar. 4.
Pilkington Brothers Limited. (See Waldron, Frederic B., assignor.)
Pittsburgh Steel Company. (See Bull, George E., assignor.)
Plauson, Gertrud, Hamburg, Germany. Carrying out electrochemical reactions and apparatus for use therein. 1,485,706; Mar. 4.
Pons, Eugene. (See Wolfe, N. A., and Pons.)
Poole, Arthur F., Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,485,881; Mar. 4.
Poor, Edward P., Scranton, Pa. Combined toilet and writing stand. Des. 64,132; Mar. 4.
Pope Machine Company. (See La Montagne, Patrick P., assignor.)
Porter, Charles F., deceased, Chicago, Ill.; S. H. Porter, executrix. Door holder. 1,485,466; Mar. 4.
Porter, Sarah H., executrix. (See Porter, Charles F.)
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Stem winding and setting automobile clock. 1,485,882; Mar. 4.
Portmann, Roy W., Norwood, Ohio. Separator for storage batteries. 1,485,707; Mar. 4.
Potter, Elvie L. (See Potter, George E. and E. L.)
Potter, George E. and E. L., Chicago, Ill. Template. 1,485,708; Mar. 4.

Pourcel, Marius L., Paris, France. Air scrubbing and cooling device for alternators. 1,486,032; Mar. 4.
Powell, George W., La Grande, Oreg. Gauge. 1,485,429; Mar. 4.
Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)
Prescott, Sydney I., New York, N. Y., and F. J. Rummler, Lyndhurst, N. J. Tire rim. 1,485,709; Mar. 4.
Prier, Joseph, Oblong, Ill. Folding clothes drier. 1,485,525; Mar. 4.
Printz, Charles H., Luray, Va. Belt attachment. 1,485,626; Mar. 4.
Pulverman, Philip E., New York, N. Y. Air-pressure gauge. 1,485,526; Mar. 4.
Purdy, George A., Seattle, Wash. Vacuum apparatus for supplying liquids. 1,485,813; Mar. 4.
Quinn, Edward J., Ringsend, Ireland. Signal-transmitting device. 1,485,843; Mar. 4.
Raab, Philip J., Beaver Falls, Pa. Adjustable boring tool. 1,485,937; Mar. 4.
Rackemann, Felix, Milton, Mass., assignor to The Murray Company, Dallas, Tex. Cotton cleaner. 1,485,410; Mar. 4.
Raebel, Benjamin, Millbank, S. Dak. Drill. 1,486,083; Mar. 4.
Raeber, Clemens, San Antonio, Tex. Machine for cutting stumps. 1,485,527; Mar. 4.
Rae-Lite Manufacturing Company, The. (See Banks, Joseph L., assignor.)
Rahm, Robert C., Wyomissing, Pa. Dyeing machine. 1,485,884; Mar. 4.
Ralph, Paul J. (See Alsberg, J., and Ralph.)
Ralston, Robert, Montreal, Quebec, Canada. Key tag. 1,485,528; Mar. 4.
Rauh, Herbert S., New York, N. Y. Gaiter. 1,485,467; Mar. 4.
Reardon, Fred A., assignor to Hamel Shoe Machinery Company, Bridgeport, Conn. Heel-nailing machine. 1,485,993; Mar. 4.
Reber, Emil, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs capable of being chromed and making same. 1,485,814; Mar. 4.
Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Vaporizer. 1,485,710; Mar. 4.
Reichel, John, Camden, Ohio. Attachment for grain binders. 1,485,468; Mar. 4.
Reineke, Charles, New York, N. Y. Internal-combustion engine. 1,485,627; Mar. 4.
Reliance Company, The. (See Wilms, Gustav O., assignor.)
Remington Accounting Machine Corporation. (See Poole, Arthur F., assignor.)
Rempe, Jacob E., Springfield, Ill. Tension device for the steering gear of automobiles. 1,485,529; Mar. 4.
Resek, Marc, Cleveland Heights, and H. F. Kluge, Shaker Heights, assignors to The Cleveland Metal Products Company, Cleveland, Ohio. Oil burner. 1,485,711; Mar. 4.
Reynolds, John J., Gifford, Ill. Watering trough and automatic cut-off. 1,485,712; Mar. 4.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Warper. 1,485,530; Mar. 4.
Rhoades Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Guide means for warpers and similar machines. 1,485,531; Mar. 4.
Rhoads, Charles S., Yonkers, N. Y. Tension tester or indicator. 1,485,713; Mar. 4.
Rhode Island Lace Works. (See Newton, Albert E., assignor.)
Rhudy, Clarence H., Bishop, Calif. Fish screen. 1,486,034; Mar. 4.
Rich, William E., Bradley, Ark. Pipe-suspending apparatus. 1,486,035; Mar. 4.
Richardson Company, The. (See Keller, Charles L., assignor.)
Rideout, Edward S., assignor of one-half to H. D. Mortensen, Klamath Falls, Oreg. Offset for log carriages. 1,485,566; Mar. 4.
Ridgway, Edward J., Staten Island, N. Y. Plate or similar article. Des. 64,133; Mar. 4.
Riegel, Irwin D., Shartlesville, Pa. Poultry feeder. 1,485,469; Mar. 4.
Risinger, Frank V., Cleveland, Ohio. Radiant. 1,486,036; Mar. 4.
Roach, Frederick M., Detroit, Mich. Kitchen cabinet. 1,485,714; Mar. 4.
Robbe, Guillaume. (See Costille, J., and Robbe.)
Roberts, Myer, Philadelphia, Pa. Coat pocket. 1,485,567; Mar. 4.
Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Latch for cameras. 1,485,815; Mar. 4.
Robeson, William B. (See Ta'Bois, Percival L., assignor.)
Robichaux, Armogene, and W. J. Coleman, New Iberia, La. Wrench. 1,486,013; Mar. 4.
Robinson, Frederick, New York, N. Y. Blowpipe for metal soldering. 1,485,715; Mar. 4.
Robinson, G. L., et al. (See McKenney, F. Y., and Cheney, assignors.)
Robinson, R. E., jr., et al. (See McKenney, F. Y., and Cheney, assignors.)
Rogers, Reginald H., Summerside, Prince Edward Island, Canada. Pocket container for confections and the like. 1,485,716; Mar. 4.
Rolla Royce Limited. (See Wakefield, J., and Cowgill, assignors.)
Ronning, Adolph. (See Ronning, Andrean G. and A.)
Ronning, Andrean G. and A., Boyd, Minn. Combination harvester. 1,485,532; Mar. 4.
Rosedale Foundry & Machine Company. (See Holt, Harris B., assignor.)
Rosenstein, Ludwig, assignor to Great Western Electro Chemical Company, San Francisco, Calif. Production of hydrochloric acid direct from chlorine. 1,485,816; Mar. 4.
Ross, Karl, Los Angeles, Calif. Check protector. 1,485,885; Mar. 4.
Rosseau, John, Chicago, Ill. Lock. 1,486,037; Mar. 4.
Roux, Max, Berlin-Friedenau, Germany. Direction-indicating apparatus. 1,485,430; Mar. 4.
Rüdenberg, Reinhold, Berlin-Grunewald, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, Germany. System of control. 1,485,431; Mar. 4.
Rummler, Francis J. (See Prescott, S. I., and Rummler.)
Ruprecht, Charles C., Olmsted, Ill. Screening mechanism. 1,485,568; Mar. 4.
Rush, Turner C., assignor to J. B. Erd, Lexington, Ky. Door grill. 1,486,038; Mar. 4.
Russell, Charles E., Buffalo, N. Y. Cutting stick for paper-cutting machines and the like. 1,485,836; Mar. 4.
Russell, Frederick V. (See Tiddeman, E. S., and Russell.)
Russell, Herbert O., and G. C. Brown, Detroit, Mich. Trigger motor for Vickers machine guns. 1,485,717; Mar. 4.
Ryan, Paul D., Kenmore, N. Y. Apparatus for cleaning glass panels. 1,485,718; Mar. 4.
Saal, Henry G. (See Schroder, Fred F., assignor.)
Saco-Lowell Shops. (See Herrick, Robert F., jr., assignor.)
Saco-Lowell Shops. (See Naumburg, Robert E., assignor.)
Sadler, William W., Booneville, Miss. Bacon slicer. 1,485,719; Mar. 4.
Sage Air Systems, Inc. (See Sage, M. Jay, assignor.)
Sage, M. Jay, Brooklyn, N. Y., assignor, by mesne assignments, to Sage Air Systems, Inc. Apparatus for dispensing liquids. 1,485,720; Mar. 4.
St. Paul Foundry Company. (See Allenson, John, assignor.)
Salisbury, Moses B., Chicago, Ill. Protective insulating sleeve. 1,485,994; Mar. 4.
Sammarone, Amato N., Akron, Ohio. Dynamo-electric machine. 1,485,533; Mar. 4.
Santos, Juan de J., New York, N. Y. Dental impression tray. 1,486,039; Mar. 4.
Sauer, Louis J. (See Joy, C. H., jr., and Sauer.)
Savage, Frank H., Gainesville, Tex. Oil tester for Ford automobiles. 1,485,721; Mar. 4.
Saxon, Arthur W. (See Wingard, I., Saxon, and Stone.)
Scanlan, Chester J., Bloomington, Ill. Ventilating apparatus. 1,485,887; Mar. 4.
Schaefer, Carl W. (See Goldrick, Albert R., assignor.)
Schaffer, Henry J., assignor to J. Schaffer, Brooklyn, N. Y. Sheet-metal container. 1,485,995; Mar. 4.
Schaffer, Jacob. (See Schaffer, Henry J., assignor.)
Schaper, Harry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Weighing scale. 1,485,470; Mar. 4.
Schleferstein, Georg H., Charlottenburg, near Berlin, Germany. Tuned mechanically-oscillating system. 1,486,040; Mar. 4.
Schmidt, Edmund. (See Schmidt, Julius and E.)
Schmidt, Julius and E., Brooklyn, N. Y. Safety device for automobiles. 1,485,889; Mar. 4.
Schmidt, Karl, Neuruppin, Germany. Portable fire extinguisher. 1,486,041; Mar. 4.
Schoff, Frederic H., Quincy, Ill. Hinge. 1,485,432; Mar. 4.
Schonberg, George, Rolla, N. Dak. Towline. 1,485,888; Mar. 4.
Schramm, Theodore W., Bay City, Mich. Powder puff. 1,485,722; Mar. 4.
Schroder, Fred F., assignor to H. G. Saal, Chicago, Ill. Casting machine. 1,485,569; Mar. 4.
Schroeder, Charles S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 1,485,817; Mar. 4.
Schroeder, Charles S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Handling and conveying means. 1,485,818; Mar. 4.
Schroeder, Rudolph W., et al. (See Peterson, George W., assignor.)
Schroeter Bros. Hdw. Co. (See Schroeter, Oscar J., assignor.)
Schroeter, Oscar J., assignor to Schroeter Bros. Hdw. Co., St. Louis, Mo. Nutcracker. 1,485,570; Mar. 4.
Schuls, Walter F., Sharon, Pa., assignor to Truscon Steel Company, Youngstown, Ohio. Foundry flask. 1,485,438; Mar. 4.
Schuster-Adams Chemical Company. (See Adams, Albert, assignor.)
Schuster-Adams Chemical Company. (See Schuster, Richard, assignor.)
Schuster, Richard, Berlin-Halensee, Germany, assignor to Schuster-Adams Chemical Company. Galvanic element. 1,486,042; Mar. 4.

Schwartz, Harry A., Defiance, Ohio. Casting. 1,485,628; Mar. 4.
Schwartz, Isabella, New York, N. Y. Paper bag. 1,486,043; Mar. 4.
Schwarz, Carl G. (See Spoeneman, H. E., and Schwarz.)
Schwenck, Frederick W., Cincinnati, Ohio. Decanter. Des. 64,134; Mar. 4.
Schwenck, Frederick W., Cincinnati, Ohio. Flask. Des. 64,135; Mar. 4.
Scintilla, Firm. (See Bobli, Jacques, assignor.)
Scott, Edwin A. (See Jones, J. S., and Scott.)
Scott, Walter M. (See David, Bruce W., assignor.)
Scully, Alexander D., New York, N. Y. Universal snap-fastener button. 1,485,724; Mar. 4.
Seal, Voorhees N., assignor to The Frog Switch & Manufacturing Company, Carlisle, Pa. Dipper tooth. 1,485,434; Mar. 4.
Sears, Roebuck and Co. (See Wolgemuth, Lee E., assignor.)
Security Manufacturing Company. (See Mestars, Robert, assignor.)
Seeger, Adolph M., Toledo, Ohio. Auxiliary support. 1,485,629; Mar. 4.
Seitz, Ernest O., assignor to C. M. Hall Lamp Co., Detroit, Mich. Lamp door. Des. 64,136; Mar. 4.
Selby, John D. (See Varner, Irvin M., assignor.)
Semeleder, Oskar, Vienna, Austria. Device for actuating artificial limbs. 1,485,725; Mar. 4.
Semet-Solvay Company. (See Becker, Julius, assignor.)
Semet-Solvay Company. (See Greene, John W., assignor.)
Sengbusch Self-Closing Inkstand Company. (See McGinty, Hugh L., assignor.)
Setser, James A., Antlers, Okla. Insect-destroying machine and cultivator. 1,485,726; Mar. 4.
Severus, Louis, Chicago, Ill., assignor to The Art Lamp Mfg. Company. Lamp base. Des. 64,137; Mar. 4.
Severus, Louis, Chicago, Ill., assignor to The Art Lamp Mfg. Company. Lamp base. Des. 64,138; Mar. 4.
Severus, Louis, Chicago, Ill., assignor to The Art Lamp Mfg. Company. Lamp base. Des. 64,139; Mar. 4.
Severus, Louis, Chicago, Ill., assignor to The Art Lamp Mfg. Company. Lamp base. Des. 64,140; Mar. 4.
Seward, Richard M., Minneapolis, Minn., assignor to Anchor Core Economy Soap Company, Chicago, Ill. Keyless lock. 1,485,630; Mar. 4.
Shapiro & Aronson, Inc. (See Janovsky, Andy, assignor.)
Shea, William C., Petaluma, Calif. Dumping device. 1,485,631; Mar. 4.
Shea, William C., Petaluma, Calif. Cleaning device for dump bodies. 1,485,632; Mar. 4.
Shea, William C., San Anselmo, Calif. Stiffener for dipper sticks. 1,485,633; Mar. 4.
Sheilcrosslee, George, Canton, Ill. Tool. 1,486,044; Mar. 4.
Shenk, Jacob B., Elida, Ohio. Cleaning device for sucker rods. 1,485,435; Mar. 4.
Shepherd, Harold F., assignor to The Bessemer Gas Engine Company, Grove City, Pa. Hot plug. 1,485,890; Mar. 4.
Sherburne, Charles H. (See Bridgham, Arthur L., assignor.)
Shields, Frank S., Cleveland, Ohio. Combined plow and soil pulverizer. 1,485,819; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,141; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,142; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,143; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,144; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,145; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt-buckle frame. Des. 64,146; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 64,147; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 64,148; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 64,149; Mar. 4.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt slide. Des. 64,150; Mar. 4.
Shillman, Nathan H., Baltimore, Md. Case for tape measures. 1,485,634; Mar. 4.
Shimp, Archie J. (See Spinello, Mathew, assignor.)
Shuford, Jacob P., Gaffney, S. C. Lift truck. 1,486,045; Mar. 4.
Sibley, John B., Littleton, and H. C. Jenkins, Boston, Mass. Fountain mop. 1,485,891; Mar. 4.
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Bauch, Richard, assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, Reinhold, assignor.)
Simmons, Charles F. (See Merseles, Herbert E. and H. R., Simmons, and Engel.)
Sindeband, Maurice L., New York, N. Y., assignor to General Electric Company. Voltage boosting or bucking system. 1,485,727; Mar. 4.
Six, Henry C. (See Osborne, John W., assignor.)
Skelley, John M., assignor to The Continuous Reaction Company, Limited, London, England. Manufacture of ferrous alloys and of weatherproof articles therefrom. 1,485,635; Mar. 4.
Skinner, Bronson C., assignor to Skinner Machinery Company, Dunedin, Fla. Orchard heater. 1,485,534; Mar. 4.
Skinner, John F., Detroit, Mich. Multiple-fuse plug. 1,485,636; Mar. 4.
Skinner Machinery Company. (See Skinner, Bronson G., assignor.)
Skrihoniuk, Steve K., Detroit, Mich. Vehicle wheel. 1,485,637; Mar. 4.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Means for preventing occlusion of hydrogen in metal cathodes. 1,485,436; Mar. 4.
Smith, Alfred H. (See Jerolaman, Henry F., assignor.)
Smith, Alfred H., New York, N. Y. Compartment freight car. 1,486,046; Mar. 4.
Smith, Clarence E., Naugatuck, assignor to North & Judd Manufacturing Company, New Britain, Conn. Belt buckle. 1,485,728; Mar. 4.
Smith, David J., assignor, by mesne assignments, to T. G. Tulloch, London, England. Gas producer. 1,486,047; Mar. 4.
Smith, Ella L., Roanoke, Ala. Doll. 1,485,638; Mar. 4.
Smith, Ella L., Roanoke, Ala. Doll. 1,485,639; Mar. 4.
Smith, Ella L., Roanoke, Ala. Mold for and doll construction. 1,485,640; Mar. 4.
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Combination tool. 1,485,471; Mar. 4.
Smith, Warren, Los Angeles, Calif. Metal railway tie and rail fastener. 1,486,048; Mar. 4.
Society of Chemical Industry in Basle. (See Reber, Emil, assignor.)
Solar Metal Products Company, The. (See Miller, Arthur, assignor.)
Solvay Process Company, The. (See Bacon, Nathaniel T., assignor.)
Sommerfeldt, Herman E., Custer, Mich. Oil-feeding apparatus. 1,485,729; Mar. 4.
Sonsthagen, Asbjorn, Leytonstone, England. Machine for coating chocolates. 1,485,437; Mar. 4.
Sparks, Dorothy R., Fairfield, Conn. Lamp. 1,485,641; Mar. 4.
Specialty Engineering Company. (See Pfeiffer, Charles G., assignor.)
Speicher, Mats A. (See Weimer, R. E., and Speicher.)
Speyer, Edmund. (See Freund, M., and Speyer.)
Spinello, Mathew, assignor of one-half to A. J. Shimp, Rockford, Ill. Motor control for key-cutting machines and the like. 1,485,892; Mar. 4.
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Spoeneman, Harry E., and C. G. Schwarz, assignors to Panama Rubber and Equipment Co., St. Louis, Mo. Storage-battery box. 1,485,438; Mar. 4.
Spring, George B., Milford, N. H. Wireless telegraph and telephone instrument. 1,486,049; Mar. 4.
Stafford, Leo K., Detroit, assignor to The Stafford Roller-Bearing Car Truck Corporation, Lawton, Mich. Journal box. 1,486,050; Mar. 4.
Stafford Roller-Bearing Car Truck Corporation, The. (See Stafford, Leo K., assignor.)
Stagi, George, Los Altos, Calif. Automobile signal box. Des. 64,151; Mar. 4.
Standard Car Truck Company. (See Webb, Edwin W., assignor.)
Standard Foundry & Mfg. Company. (See Wymer, William L., assignor.)
Standbye, Idar O., Sacramento, Calif. Cable-splicing device. 1,485,731; Mar. 4.
Stanley Works, The. (See Parsons, Stuart W., assignor.)
Starmer, Mary, Newport News, Va. Belt. 1,485,732; Mar. 4.
Stedman, Seymour, et al. (See Nash, Charles O., assignor.)
Stein, John I., Muncie, Ind. Combination kitchen tool. 1,485,535; Mar. 4.
Steiskal, Joseph, jr., Oak Park, Ill. Power-operated hand implement. 1,486,051; Mar. 4.
Stephenson, James, Augusta, Me. Printing roller. 1,486,052; Mar. 4.
Sterling, Ellis E. and R. R., Independence, Calif. Wheel or gear puller. 1,485,733; Mar. 4.
Sterling, Richard R. (See Sterling, Ellis E., and R. R.)
Stevens, Frederick M., New York, N. Y., assignor to John Chatillon & Sons. Knife handle. 1,485,571; Mar. 4.
Stevenson, Robert A., Lancaster, Ohio. Letter scale. 1,486,054; Mar. 4.
Stewart, Albert D. (See Cumfur, Harry A., assignor.)
Stewart, Jonathan M., Canton, Ohio. Garden cultivator. 1,486,053; Mar. 4.
Stewart, Samuel, Lewiston, Me., and O. L. Owen, assignors to Whitin Machine Works, Whitinsville, Mass. Yarn-winding machine. 1,485,734; Mar. 4.

Stewart-Warner Speedometer Corporation. (See McDonough, Edward, assignor.)
Stimpson, Walter F., Louisville, Ky. Scale construction. 1,485,893; Mar. 4.
Stiner, Earl, Detroit, Mich. Piston ring. 1,485,439; Mar. 4.
Stockwell, Austin F., Los Angeles, Calif. Comb cleaner. 1,485,735; Mar. 4.
Stöhr, Miroclav, Prague, Czechoslovakia. Appliance for purifying and moistening air. 1,485,440; Mar. 4.
Stoltz, Aloysius F., Philadelphia, Pa. Supporting structure. 1,485,572; Mar. 4.
Stolze, George, Wausau, Wis. Stovepipe fastener. 1,485,736; Mar. 4.
Stone, Frederick, assignor to Diamond Drill Contracting Company, Spokane, Wash. Expanding rotary reamer. 1,485,642; Mar. 4.
Stone, Julian D. (See Wingard, I., Saxon, and Stone.)
Stordahl, Lars, Baltic, S. Dak. Shock carrier. 1,485,737; Mar. 4.
Stout, George W., Merchantville, N. J. Package tie. 1,485,996; Mar. 4.
Strait, Hosea H., Overland, Mo. Paper-feed guide for platen presses. 1,485,997; Mar. 4.
Stranahan, James F., Milwaukee, Wis., and J. F. Mora, Oakland, Calif. Inner tube for pneumatic tires. 1,486,055; Mar. 4.
Straub, Francis J., New Kensington, Pa., assignor to Crozier-Straub, Inc., New York, N. Y. Pallet for block-making machines. 1,486,056; Mar. 4.
Streff, Charles. (See Elmer, P. F., and Streff.)
Streich, Paul B., Joliet, Ill. Artificial bait and fishhook therefor. 1,485,643; Mar. 4.
Sullivan, Jeremiah J., Nashville, Tenn. Arch brick. 1,485,441; Mar. 4.
Suloff, Noah H., et al. See Evers, William H., assignor.)
Sutherland, Daniel M., jr., Trenton, N. J. Apparatus for manufacturing pulp articles. 1,485,894; Mar. 4.
Sweeney, Daniel B., Middletown, N. Y. Bottle. Des. 64,152; Mar. 4.
Swift & Co. (See MacDonald, C. F., and McKee, assignors.)
Swinehart, Benjamin C., Akron, Ohio. Tire. 1,485,573; Mar. 4.
Switzer, John A., Paris, Ind. Bolt holder. 1,486,057; Mar. 4.
Sykes, W. R., Interlocking Signal Company Limited. (See Tiddeman, E. S., and Russell, assignors.)
Ta'Bois, Percival L., New York, N. Y., assignor of one-half to W. B. Robeson, Port Huron, Mich. Apparatus for supplying vaporized liquid fuel to internal-combustion engines. 1,486,055; Mar. 4.
Taft, Charles C., New Haven, Conn. Receptacle closure. 1,485,738; Mar. 4.
Taranto, John, Waltham, assignor to Draper Corporation, Hopedale, Mass. Needle-feeling mechanism for looms. 1,485,820; Mar. 4.
Taylor, Edward A. (See Drefahl, L. C., and Taylor.)
Taylor, George E., jr., Columbia, Mo. Shock-absorbing wheel. 1,485,644; Mar. 4.
Taylor, John W., Fort Worth, Tex. Hand-power attachment for windmill sucker rods. 1,485,938; Mar. 4.
Thomas, Edwin L., Buffalo, N. Y. Automatic winder for timepieces. 1,485,734; Mar. 4.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Method of and apparatus for separating leaks from tight cans. 1,485,895; Mar. 4.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Method and apparatus for separating leaks from tight cans. 1,485,896; Mar. 4.
Thompson, Ralph E., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Pile wire. 1,485,939; Mar. 4.
Thomson, William. (See McSwan, A. M., Ewing, and Thomson.)
Tiddeman, Edmund S., Hornchurch, and F. V. Russell, Leytonstone, assignors to W. R. Sykes Interlocking Signal Company Limited, Clapham, London, England. Railway signaling apparatus. 1,485,442; Mar. 4.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Tindale, John, Sunderland, England. Crank shaft and the manufacture thereof. 1,485,645; Mar. 4.
Torbensen, Viggo V., assignor to The Vig-Tor Axle Company, Cleveland, Ohio. Axle housing and making the same. 1,485,443; Mar. 4.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Towle Manufacturing Company. (See Parker, George F., assignor.)
Trank, George. (See Trank, Leo, assignor.)
Trank, Leo, Chico, assignor to G. Trank, Hamilton City, Calif. Clutch-lever lock. 1,486,059; Mar. 4.
Traumüller, Arthur J. (See Traumüller, Henry and A. J.)
Traumüller, Henry and A. J., Brooklyn, N. Y. Display device. 1,485,646; Mar. 4.
Trautner, Nicholas W., St. Paul, Minn. Grease retainer. 1,486,060; Mar. 4.
Treeck, Alfred, assignor to A. H. Ingle, Rochester, N. Y. Slotting machine. 1,485,536; Mar. 4.
Truscon Steel Company. (See Schuls, Walter F., assignor.)
Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; said Ashley assignor to J. Trust; J. Trust, administratrix. Mixing and beating machine. 1,485,647; Mar. 4.
Trust, Josephine. (See Trust, H., and Ashley, assignors.)
Trust, Josephine, administratrix. (See Trust, H., and Ashley.)
Tubize Artificial Silk Company of America. (See Juer, George, assignor.)
Tulloch, Thomas G. (See Smith, David J., assignor.)
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Reversible double-voltage generator and system involving same. 1,485,740; Mar. 4.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Dynamo-electric machine. 1,485,741; Mar. 4.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Generator system. 1,485,742; Mar. 4.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Generator system. 1,485,743; Mar. 4.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Welding generator. 1,485,744; Mar. 4.
Twogood, Harry W., assignor to Wheel Trueing Tool Co., Detroit, Mich. Drill and making the same. 1,485,444; Mar. 4.
U. G. I. Contracting Company. (See Gartley, W. H., and Evans, assignors.)
Union Trust Company, executor. (See Fowl, P. M., and Zimmerman.)
Union Water Meter Company. (See Larrabee, William H., assignor.)
United Alloy Steel Corporation. (See Lehman, Edward G., assignor.)
United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
United States Graphite Company, The. (See Adams, Charles W., assignor.)
U. S. Industrial Alcohol Co. (See Hammond, John A. S., assignor.)
U. S. Industrial Alcohol Co. (See Willkie, Herman F., assignor.)
U. S. Light & Heat Corporation. (See Turbayne, William A., assignor.)
United States Playing Card Company. (See McCracken, James D., assignor.)
United Steel and Wire Co. (See Jarvis, Charles H., assignor.)
Universal Engineering Company. (See Andrews, Edward F., assignor.)
V. M. L. Experimental Limited. (See Lucas, Owen D., assignor.)
Valley Mould and Iron Corporation. (See Coates, Ray G., assignor.)
Van Bloem, Paul S., Hempstead, assignor to The Viking Products Corporation, New York, N. Y. Sign. 1,485,445; Mar. 4.
Van Bloem, Paul S., Hempstead, assignor to The Viking Products Corporation, New York, N. Y. Desk and sign illuminator. 1,485,472; Mar. 4.
Van der Gracht, Joseph T., Campbell, Calif. Work of art and producing same. 1,485,648; Mar. 4.
Van Leggelo, Pieter B., Wiesbaden, Germany. Means for use in propelling aeroplanes, hydroplanes, and other conveyances. 1,485,649; Mar. 4.
Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated. Method of and apparatus for providing blast for metallurgical furnaces and the like. 1,485,745; Mar. 4.
Varner, Irvin M., Boise, assignor of one-fifth to J. D. Selby, Barber, Idaho. Combined folding map and tourist's guide. 1,486,061; Mar. 4.
Vennes, Harald J., assignor to Western Electric Company, Incorporated, New York, N. Y. Generating harmonic currents. 1,485,650; Mar. 4.
Vester, Alfred, & Sons, Inc. (See Ainsworth, George, assignor.)
Vig-Tor Axle Company, The. (See Torbensen, Viggo V., assignor.)
Viking Products Corporation, The. (See Van Bloem, Paul S., assignor.)
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,485,537; Mar. 4.
Vines, Arnold A., Princeton, W. Va. Door-curtain support for vehicles. 1,486,062; Mar. 4.
Viora, Italo P., et al. (See Viora, Italo P., assignor.)
Viora, Italo P., assignor to I. P. Viora, M. Vitolo, and C. Fischetti, Brooklyn, N. Y. Wave and tide motor. 1,485,574; Mar. 4.
Vitolo, Milsiade, et al. (See Viora, Italo P., assignor.)
Vogt, Albert E., assignor to Vogt Manufacturing Corporation, Rochester, N. Y. Finishing strip for upholstery and the like. 1,485,446; Mar. 4.
Vogt Manufacturing Corporation. (See Vogt, Albert E., assignor.)
Von Frommer, Rudolf, Budapest, Hungary. Rifle stock. 1,485,456; Mar. 4.
Von Wuling, Johann A. (See Aisleben, Paul, assignor.)
Voracek, Frank B., Portland, Oreg. Airplane. 1,485,447; Mar. 4.

Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase bow. Des. 64,154; Mar. 4.
Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignor.)
Wagemaker, Isaac, Athens, Tenn., E. G. Bretzin, Ensley, and V. C. Foster, Birmingham, Ala. Rubber heel. Des. 64,153; Mar. 4.
Wagner, Joseph F., South Bend, Ind. Land roller and pulverizer. 1,485,651; Mar. 4.
Wagstaff, Harry J. (See Alcock, Alfred U., assignor.)
Wait, John C., administrator. (See Lowenstein, Fritz.)
Wakefield, James, and E. H. Cowgill, assignors to Rolls Royce Limited, Derby, England. Cutting and burnishing broach. 1,485,652; Mar. 4.
Waldron, Frederic B., Prescot, assignor to Pilkington Brothers Limited, St. Helens, England. Apparatus for grinding or polishing plate glass. Re15,788; Mar. 4.
Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)
Walker Signal and Equipment Corporation. (See Walker, William L., assignor.)
Walker, Thomas E., assignor to Crittall Casement Window Co., Detroit, Mich. Double-sash catch. 1,485,448; Mar. 4.
Walker, William L., assignor to Walker Signal and Equipment Corporation, New York, N. Y. Sound-detecting apparatus. 1,485,538; Mar. 4.
Walker, William L., assignor to Walker Signal and Equipment Corporation, New York, N. Y. Sound-receiving apparatus. 1,485,539; Mar. 4.
Wallin, Gustaf A., Flushing, assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,486,063; Mar. 4.
Walter, Richard, Dusseldorf, Germany. Desulphurising medium and using same. 1,485,540; Mar. 4.
Walters, Frederick C., Eugene, Oreg. Cable-car transmission. 1,485,653; Mar. 4.
Ward, Edward S., San Jose, Calif. Animal trap. 1,485,746; Mar. 4.
Warner, David M., Dayton, Ohio. Releasable coupling for aviator or parachute harness. 1,485,747; Mar. 4.
Warren, Joseph A., assignor of one-half to C. J. Giroux, Manchester, N. H. Tank closure. 1,486,064; Mar. 4.
Waterbury Buckle Co. (See Murtha, William F., assignor.)
Waterhouse, Ezra P. (See Maxfield, Harold A., assignor.)
Watson, Manly A., et al. (See McKenney, F. Y., and Cheney, assignors.)
Waycott, Albert K., Larchmont, N. Y. Steam and water valve. 1,485,541; Mar. 4.
Wayne Tool Manufacturing Company. (See Bellringer, Sidney M., assignor.)
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Roller side bearing. 1,485,575; Mar. 4.
Weil, Charles L., deceased, Port Huron, Mich.; E. S. Weil, special administratrix. Apparatus for measuring the flow of fluid. 1,485,654; Mar. 4.
Weil, Ella S., special administratrix. (See Weil, Charles L.)
Weimer, Robert E., and M. A. Spelcher, assignors, by mesne assignments, to Weimer-Warren Company, Colliers, W. Va. Electric controller. 1,485,542; Mar. 4.
Weimer-Warren Company. (See Weimer, R. E., and Spelcher, assignors.)
Wells, Albert B., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 1,485,655; Mar. 4.
Wendelburg, Alex, New York, N. Y. Braiding machine. 1,485,576; Mar. 4.
Wendt, Charles, Herington, Kans. Grain-binder attachment. 1,485,656; Mar. 4.
West, Perry, Newark, and E. P. Mason, Summit, N. J., assignors to Anti-Corrosion Engineering Company, Inc. Temperature-controlling device. 1,485,897; Mar. 4.
Westbrook, Pleasant M., Ashland, assignor to G. A. McFarland, Toccoa, and A. W. Beddingfield, Atlanta, Ga. Connecting-rod bearing. 1,486,065; Mar. 4.
Western Electric Company. (See Arnhorst, Charles F., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Vennes, Harald J., assignor.)
Westinghouse Air Brake Company. (See Dewson, Edward H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dudley, Adolphus, M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hall, David, assignor.)
Westinghouse Electric Products Company. (See Kreisheld, Henry, assignor.)
Westinghouse Electric and Manufacturing Company. (See McIver, A., and Mardis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Miller, Leonard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
Wheel Trueing Tool Co. (See Twogood, Harry W., assignor.)
Whitin Machine Works. (See Stewart, S., and Owen, assignors.)
Wickham, John C., assignor to The Wickham Piano Plate Company, Springfield, Ohio. Match-board structure for molds. 1,485,896; Mar. 4.
Wickham Piano Plate Company, The. (See Wickham, John C., assignor.)
Wilbur, John, Marshalltown, Iowa. Automatic cut-off valve for gas-supply pipes. 1,485,899; Mar. 4.
Will, Victor R., Sacramento, Calif. Ornamental lamp. Des. 64,155; Mar. 4.
Will, Victor R., Sacramento, Calif. Ornamental lamp. Des. 64,156; Mar. 4.
Williams, Frank L., Denver, Colo. Dental articulator. 1,485,657; Mar. 4.
Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Purification of fusel oil and amyl alcohol. 1,485,940; Mar. 4.
Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Electric-current controller. 1,485,998; Mar. 4.
Wilputte, Louis. (See Wright, William H., assignor.)
Wiltbank, Joseph C. (See Bonham, E., and Wiltbank.)
Wingard, Isaac, A. W. Saxon, and J. D. Stone, Nashville, Tenn. Safety attachment for paper-box machines. 1,486,066; Mar. 4.
Wingquist, Sven G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Link system for controlling rolling movements. 1,485,900; Mar. 4.
Winters, David L., Philadelphia, Pa. Carburetor. 1,485,658; Mar. 4.
Wirebounds Patents Company. (See Bombardie, Charles H., assignor.)
Wisekal, William C., New York, N. Y. Window-shade hanger. 1,485,748; Mar. 4.
Witten, Arthur P., Akron, Ohio. Toy balloon. 1,485,577; Mar. 4.
Wolfe, Clinton M., Coeburn, Va. Machine for preparing steak. 1,485,749; Mar. 4.
Wolfe, Nobie A., Niskayuna, and E. Pons, Schenectady, N. Y., assignors to General Electric Company. Electromagnetic switch. 1,485,750; Mar. 4.
Wolgemuth, Lee E., assignor to Sears, Roebuck and Co., Chicago, Ill. Window-closing device. 1,485,578; Mar. 4.
Woonsocket Machine & Press Co. (See Albrecht, George F., assignor.)
Worthington, Albert P., Los Angeles, Calif. Clamp for rods, pipes, and the like. 1,485,751; Mar. 4.
Wright, Mary J., administratrix. (See Wright, Thomas B.)
Wright, Thomas B., deceased, Winnipeg, Manitoba, Canada; M. J. Wright, administratrix. Boiler compound for removing scale. 1,485,659; Mar. 4.
Wright, William H., Chicago, Ill., assignor to L. Wilputte, New Rochelle, N. Y. Coke-oven gas-burner nozzle. 1,485,821; Mar. 4.
Wulf, Wilhelm, Neumunster, assignor to Edeldampf-Gesellschaft m. b. H., Hamburg, Germany. Superheater. 1,485,941; Mar. 4.
Wyatt, Herbert J., Longbranch, Wash. Can tap. 1,485,579; Mar. 4.
Wymer, William L., assignor to Standard Foundry & Mfg. Company, De Kalb, Ill. Grate hanger for furnaces. 1,486,067; Mar. 4.
Wysong, Ansel S., Long Beach, Calif. Printing machine. 1,485,543; Mar. 4.
Yale & Towne Manufacturing Company, The. (See Schroeder, Charles S., assignor.)
Yanochowski, George A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,485,660; Mar. 4.
Yeager, Fay A., Muskegon, Wis. Window construction. 1,485,901; Mar. 4.
Yelser, Leon B., Cleveland, Ohio. Valve and fitting. 1,485,544; Mar. 4.
Yu, Ah L. S., Hongkong, China. Wireworking machine. 1,486,068; Mar. 4.
Zeindler, Werner, assignor of one-half, to G. L. Gay, Philadelphia, Pa. Refrigerating apparatus. 1,485,902; Mar. 4.
Zeiss, Firm of Carl. (See Merté, Willy, assignor.)
Ziehlke, Max, Linton, N. Dak. Door fastener. 1,485,661; Mar. 4.
Zimmerman, Harry J., Pekin, Ill. Automatic transmission-band adjuster. 1,485,752; Mar. 4.
Zimmerman, Herman W. (See Fowl, P. M., and Zimmerman.)
Zimmerman, James G., Evanston, assignor to Jefferson Electric Manufacturing Company, Chicago, Ill. Thermostatic circuit breaker. 1,485,580; Mar. 4.
Zundel, Emil, New York, N. Y. Glass mosaic. 1,485,753; Mar. 4.
Zuzulin, Nicholas J., Minot, N. Dak. Attachment for grates. 1,485,545; Mar. 4.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid-phosphate process. H. H. Meyers. 1,485,406; Mar. 4.
Aeroplanes, hydroplanes, and other conveyances, Means for use in propelling. P. B. van Leggelo. 1,485,649; Mar. 4.
Air. Appliance for purifying and moistening. M. StÖhr. 1,485,440; Mar. 4.
Aircraft. E. P. Peacock. 1,485,704; Mar. 4.
Aircraft, Aerodynamic stabilizer for. W. S. Ferdon. 1,485,781; Mar. 4.
Aircraft folding chassis. E. N. Fales. 1,485,775; Mar. 4.
Aircraft folding chassis. E. N. Fales. 1,485,776–80; Mar. 4.
Aircraft propeller. O. Lamwers. 1,485,788; Mar. 4.
Air inlet and mixing chamber, Auxiliary. C. E. Kluegel, J. Jagielski, C. and F. A. Holdmann. 1,486,090; Mar. 4.
Airplane. F. B. Voracek. 1,485,447; Mar. 4.
Airplane rudder bars, Automatic locking device for. E. G. McCauley. 1,485,791; Mar. 4.
Air-pressure gauge. P. E. Pulverman. 1,485,526; Mar. 4.
Air scrubbing and cooling device for alternators. M. L. Pourcel. 1,486,032; Mar. 4.
Alarm: *See*—
Low-pressure alarm.
Alarm device. V. P. Fedoroff. 1,485,498; Mar. 4.
Alarm mechanism. S. Ligammar. 1,486,096; Mar. 4.
Alkali or earth-alkali metals in discharging tubes. G. Holst and E. Oosterhuis. 1,485,505; Mar. 4.
Alloys and of weatherproof articles therefrom, Manufacture of ferrous. J. M. Skelley. 1,485,635; Mar. 4.
Ammeter. P. M. Gelat. 1,486,085; Mar. 4.
Ammunition. H. P. Martin and O. D. Lucas. 1,485,404; Mar. 4.
Animal trap. W. A. Gibbs. 1,485,976; Mar. 4.
Animal trap. E. S. Ward. 1,485,746; Mar. 4.
Anti-skid device, Automobile. W. H. Beale. 1,485,825; Mar. 4.
Antispasmodic compound and producing the same. W. H. Engels. 1,485,777–9; Mar. 4.
Art and producing same, Work of. J. T. van der Gracht. 1,485,648; Mar. 4.
Ash receiver. F. Partsch. Des. 64,131; Mar. 4.
Ash tray and shield. O. E. Galloway. 1,485,384; Mar. 4.
Automobile bumper. T. H. Olsen. 1,485,876; Mar. 4.
Automobile doors, Hinge structure for. J. Ledwinka. 1,485,398; Mar. 4.
Automobile foot control. H. E. Hull. 1,485,612; Mar. 4.
Automobile fuel-gauge control. R. B. Dowler. 1,485,771; Mar. 4.
Automobile, Military. G. Glatter. 1,485,605; Mar. 4.
Automobile ornament mounting. I. Florman. 1,485,843; Mar. 4.
Automobile road light. T. A. Hendricks. 1,485,503; Mar. 4.
Automobile safety device. J. and E. Schmidt. 1,485,889; Mar. 4.
Automobile signal box. G. Stagi. Des. 64,151; Mar. 4.
Automobile steering gear, Tension device for. J. E. Rempe. 1,485,529; Mar. 4.
Automobile wheels and spokes, Shackle for. E. E. Chapman. 1,485,595; Mar. 4.
Automobiles, Audible theft signal for. R. Mestars. 1,485,690; Mar. 4.
Automobiles, etc., Parking light for. A. R. Gross. Re15,782; Mar. 4.
Automobiles, Gas tank for. H. H. Geiglein. 1,485,975; Mar. 4.
Automobiles, Oil tester for Ford. F. H. Savage. 1,485,721; Mar. 4.
Automobiles, Steering-gear stabilizer for. N. S. Cameron. 1,485,763; Mar. 4.
Aviator or parachute harness, Releasable coupling for. D. M. Warner. 1,485,747; Mar. 4.
Axle construction, Front-. F. V. Elbertz. 1,485,376; Mar. 4.
Axle housing and making the same. V. V. Torbensen. 1,485,443; Mar. 4.
Bacon slicer. W. W. Sadler. 1,485,719; Mar. 4.
Bag: *See*—
Paper bag.
Bait and fishhook therefor, Artificial. P. B. Streich. 1,485,643; Mar. 4.
Bait, Fish. M. M. Meighen. 1,486,028; Mar. 4.
Band cutter and feeder. A. J. Hartley. 1,485,848; Mar. 4.
Bandsaw, Portable. T. O'Malley. 1,485,874; Mar. 4.
Barrel joint, Welded. S. S. Daykin. 1,485,555; Mar. 4.
Bar spacer, Column-. O. W. Pederson. 1,485,811; Mar. 4.
Bearing, Antifriction. J. F. O'Connor. 1,485,807; Mar. 4.
Bearing, Connecting-rod. P. M. Westbrook. 1,486,065; Mar. 4.
Bearing for cars, Center. W. H. Miner. 1,485,799; Mar. 4.
Bearing, Roller side. E. W. Webb. 1,485,575; Mar. 4.
Bearing, Self-oiling hub. J. D. Jones. 1,485,984; Mar. 4.
Bearing, Spindle. D. Lemoine and G. P. Fournier. 1,486,095; Mar. 4.
Bearing, Vacuum-controlled lubricating. J. D. Jones. 1,485,985; Mar. 4.
Beating device. C. L. Keller. 1,485,416; Mar. 4.
Belt. M. Starner. 1,485,732; Mar. 4.
Belt attachment. C. H. Printz. 1,485,626; Mar. 4.
Belt clamp. P. R. G. Biedermann. 1,485,960; Mar. 4.
Belt slide. L. W. Shields. Des. 64,147–50; Mar. 4.
Bench clamp, Self-adjusting. E. Bonham and J. C. Wiltbank. 1,485,906; Mar. 4.
Beverage preparing and dispensing stand. J. Levin. Des. 64,119; Mar. 4.
Bicycle gear. A. Liese. 1,485,682; Mar. 4.
Binder hitch. O. Hanson. 1,485,908; Mar. 4.
Binders, Attachment for grain. J. Reichel. 1,485,468; Mar. 4.
Binders, Sheaf carrier for. H. M. Johnston. 1,486,022; Mar. 4.
Block: *See*—
Forming block.
Block-making machines. Pallet for. F. J. Straub. 1,486,056; Mar. 4.
Blowpipe for metal soldering. F. Robinson. 1,485,715; Mar. 4.
Board: *See*—
Ironing board. Plaster-receiving board.
Bobbin-shafts of roving frames, Chain-drive mechanism for. G. F. Albrecht. 1,486,107–8; Mar. 4.
Bobbin winder. H. W. Krag. 1,485,619; Mar. 4.
Boiler: *See*—
Sectional boiler.
Boiler. L. S. Jones. 1,485,616; Mar. 4.
Boiler compound for removing scale. T. B. Wright. 1,485,659; Mar. 4.
Boiler furnaces, Combustion chamber of. D. M. Duncan. 1,485,967; Mar. 4.
Bolt: *See*—
Doorbolt.
Bolt holder. J. A. Switzer. 1,486,057; Mar. 4.
Bomb-rack control handle, Electric. G. C. Brown. 1,485,762; Mar. 4.
Book-fastening machine. U. Bischof. 1,485,905; Mar. 4.
Boring tool, Adjustable. P. J. Raab. 1,485,937; Mar. 4.
Bottle. F. R. Miller. Des. 64,124–7; Mar. 4.
Bottle. D. B. Sweeney. Des. 64,152; Mar. 4.
Box: *See*—
Journal box. Paper folding box.
Lock box. Storage-battery box.
Locomotive box. Tool box.
Boxes, Machine for use in making. C. H. Bombardie. 1,485,953; Mar. 4.
Bracket: *See*—
Curtain bracket. Curtain-rod bracket.
Braiding machine. A. Wendelburg. 1,485,576; Mar. 4.
Brake: *See*—
Coaster brake.
Brake mechanism. F. H. Morlan. 1,485,802; Mar. 4.
Brick, Arch. J. J. Sullivan. 1,485,441; Mar. 4.
Broach, Cutting and burnishing. J. Wakefield and E. H. Cowgill. 1,485,652; Mar. 4.
Brushes and the like, Connection for carbon. C. W. Adams. 1,485,942; Mar. 4.
Buck and holddown, Combined. E. S. Evans. 1,485,971; Mar. 4.
Buckle. W. F. Murtha. 1,485,868; Mar. 4.
Buckle, Belt. C. E. Smith. 1,485,728; Mar. 4.
Buckle frame, Belt-. L. W. Shields. Des. 64,141–6; Mar. 4.
Burner: *See*—
Oil burner.
Burner. E. T. Curren. 1,485,871; Mar. 4.
Butter making. C. E. North. 1,485,699; Mar. 4.
Cabinet, Kitchen. F. M. Roach. 1,485,714; Mar. 4.

Cable-splicing device. I. O. Stangbye. 1,485,731; Mar. 4.
Calculating machine. A. F. Poole. 1,485,881; Mar. 4.
Calculator. J. L. Crain. 1,486,075; Mar. 4.
Camera, Aviator's. W. F. Folmer. 1,485,603; Mar. 4.
Camera focusing system. L. Brown. 1,485,908; Mar. 4.
Camera latch. J. A. Robertson. 1,485,815; Mar. 4.
Cameras, Focusing device for hand. J. P. Carmine. 1,485,481; Mar. 4.
Camper's outfit chest. O. Bury and J. A. Mason. 1,485,479; Mar. 4.
Camphor, Process and apparatus for purifying. E. G. Loomis. 1,486,097; Mar. 4.
Can-cover remover. D. M. Allen and J. E. Hayes. 1,485,474; Mar. 4.
Can tap. H. J. Wyatt. 1,485,579; Mar. 4.
Cans, Method of and apparatus for separating leaks from tight. A. R. Thompson. 1,485,895–6; Mar. 4.
Candy-running implement. A. T. Burnett. 1,485,367; Mar. 4.
Cane mill. J. P. Golden. 1,485,386; Mar. 4.
Cap. P. Merton. 1,486,102; Mar. 4.
Cap-crown support. C. J. Holzenthaler. 1,485,778; Mar. 4.
Car, Compartment freight. A. H. Smith. 1,486,046; Mar. 4.
Car, Railway. H. F. Jerolaman. 1,486,020; Mar. 4.
Car-seat headrest. F. C. Hall. 1,485,980; Mar. 4.
Car, Touring. C. W. Bland. 1,485,550; Mar. 4.
Car transmission, Cable-. F. C. Walters. 1,485,653; Mar. 4.
Cars, Brake for railway. J. F. O'Connor. 1,485,806; Mar. 4.
Cars, Combined locking apparatus for the distributing switch of electric-lighting installations of motor. J. Bohli. 1,486,071; Mar. 4.
Cars, Hand brake for railway. J. F. O'Connor. 1,485,808; Mar. 4.
Cars, Supplemental grain door for freight. J. J. Miller. 1,485,866; Mar. 4.
Carburetor. E. F. Andrews. 1,485,547; Mar. 4.
Carburetor. F. O. Ball. 1,485,759; Mar. 4.
Carburetor. D. L. Winters. 1,485,658; Mar. 4.
Carrier: *See*—
Shock carrier.
Carrier. W. G. Beatty. 1,485,583; Mar. 4.
Case: *See*—
Egg case. Vanity case.
Tape-measure case.
Case lock, Sectional-. E. G. Lehman. 1,486,094; Mar. 4.
Caster. K. Glowaski. 1,485,674; Mar. 4.
Caster. W. C. Hartmann. 1,485,676; Mar. 4.
Casting. H. A. Schwartz. 1,485,628; Mar. 4.
Casting machine. J. A. Byers. 1,485,592; Mar. 4.
Casting machine. F. F. Schroder. 1,485,569; Mar. 4.
Casting machine, Centrifugal. J. B. Ladd. 1,485,860; Mar. 4.
Chain-link construction. E. B. Nichols. 1,485,520; Mar. 4.
Chain-making method and machine. W. I. Macomber. 1,485,934; Mar. 4.
Chairs and the like, Fitting for revolving. R. K. Dawson. 1,485,910; Mar. 4.
Charger. J. Michelich. 1,485,407; Mar. 4.
Check protector. K. Ross. 1,485,885; Mar. 4.
Chest: *See*—
Camper's outfit chest.
Chicken feeder. M. E. Fielden. 1,485,672; Mar. 4.
Chimney construction. F. E. Albini. 1,485,754; Mar. 4.
Chocolates, Machine for coating. A. Sonsthagen. 1,485,437; Mar. 4.
Chuck. G. W. Emrick. 1,485,671; Mar. 4.
Circuit breaker, Thermostatic. J. G. Zimmerman. 1,485,580; Mar. 4.
Clamp: *See*—
Belt clamp. Stovepipe clamp.
Bench clamp.
Clasp: *See*—
Safety clasp.
Clasp. H. J. Nordseth. 1,485,694; Mar. 4.
Cleaner: *See*—
Comb cleaner. Windshield cleaner.
Cotton cleaner.
Clock, Stem winding and setting automobile. W. E. Porter. 1,485,852; Mar. 4.
Clothes drier, Folding. J. Prier. 1,485,525; Mar. 4.
Clothespeg. A. M. McEwan, R. A. Ewing, and W. Thomson. 1,486,099; Mar. 4.
Clutch. C. P. Breese. 1,485,761; Mar. 4.
Clutch. F. Coates. 1,485,962; Mar. 4.
Clutch, Hydraulic. A. H. Manwaring. 1,485,987; Mar. 4.
Clutch-lever lock. L. Trank. 1,486,059; Mar. 4.
Clutch-shifting mechanism. P. P. La Montagne. 1,485,419; Mar. 4.
Coal cutter. M. S. Moore and H. Jubb. 1,485,801; Mar. 4.
Coaster brake. L. S. Kallajian. 1,485,617; Mar. 4.
Coat and helmet, Combined. C. Halek. 1,485,392; Mar. 4.
Coatings, Finishing siccative. G. J. Nikolas. 1,485,521; Mar. 4.
Coffee mill. W. E. Kidney. 1,485,855; Mar. 4.
Coke ovens, Means for discharging smoke and gas from. J. W. Greene. 1,485,914; Mar. 4.
Comb cleaner. A. F. Stockwell. 1,485,735; Mar. 4.
Combination heater. E. P. Cole. 1,485,668; Mar. 4.
Combination tool. O. A. Smith. 1,485,471; Mar. 4.
Combustion promoter. E. I. Emerson. 1,485,497; Mar. 4.
Compound tool. H. Baum. 1,485,450; Mar. 4.
Computing device. C. B. Fowler. 1,486,082; Mar. 4.
Concrete constructions, Reenforcing bar for. W. Lumley. 1,485,562; Mar. 4.
Concrete insert. M. E. Chase. 1,485,596; Mar. 4.
Concrete, Machine for tamping. C. R. Harry. 1,486,088; Mar. 4.
Confections and the like, Pocket container for. R. H. Rogers. 1,485,716; Mar. 4.
Connecting device. S. T. Lester. 1,485,862; Mar. 4.
Container, Sheet-metal. H. J. Schaffer. 1,485,995; Mar. 4.
Containers, Forming. A. E. Paige. 1,485,427; Mar. 4.
Control apparatus. A. McIver and P. L. Mardis. 1,485,422; Mar. 4.
Control system. R. Rüdenberg. 1,485,431; Mar. 4.
Conveyer support for conveyers, Adjustable. A. J. Hartley and W. Hale. 1,485,849; Mar. 4.
Cooking utensil. A. H. Fleischer. 1,485,602; Mar. 4.
Cores, Means for protecting the surface of. D. H. Meloche. 1,486,624; Mar. 4.
Cotton cleaner. J. H. McDonough. 1,485,402; Mar. 4.
Cotton cleaner. J. H. McDonough and O. Mitchell. 1,485,401; Mar. 4.
Cotton cleaner. F. Rackemann. 1,485,410; Mar. 4.
Cotton gin. F. B. Cumpston. 1,485,833; Mar. 4.
Coupling and tuning apparatus. A. A. Kent. 1,485,931; Mar. 4.
Crank shaft and the manufacture thereof. J. Tindale. 1,486,645; Mar. 4.
Crusher: *See*—
Stone crusher.
Cultivator, Garden. J. M. Stewart. 1,486,053; Mar. 4.
Cup: *See*—
Sponge cup.
Currents, Means for suppressing the ground. R. Bauch. 1,485,361; Mar. 4.
Curtain bracket. J. A. Civis. 1,485,551; Mar. 4.
Curtain fastener. R. A. Moore. 1,485,990; Mar. 4.
Curtain-rod bracket, Single and double flat. A. Acker. 1,485,581; Mar. 4.
Curtain-rod fixture, Double. L. M. Moore. 1,485,989; Mar. 4.
Curtain support for vehicles, Door-. A. A. Vines. 1,486,062; Mar. 4.
Cushion: *See*—
Skid cushion.
Cushion wheel. G. A. Gillen. 1,485,977; Mar. 4.
Cutter: *See*—
Coal cutter.
Cutting machine. H. F. Affelder. 1,485,546; Mar. 4.
Cyanides, Synthetic method of producing. T. Hara. 1,485,502; Mar. 4.
Cylinder reboring tool. V. G. Howind. 1,485,930; Mar. 4.
Decanter. F. W. Schwenck. Des. 64,134; Mar. 4.
Demonstration apparatus. D. F. Fesler. 1,485,841; Mar. 4.
Dental articulator. J. M. O'Keefe. 1,485,873; Mar. 4.
Dental articulator. F. L. Williams. 1,485,657; Mar. 4.
Dental handpieces, Protector for. W. E. Curry. 1,485,963; Mar. 4.
Dental impression tray. J. de J. Santos. 1,486,039; Mar. 4.
Depth gauge, Compensating. H. M. Norris. 1,485,805; Mar. 4.
Desk and sign illuminator. P. S. Van Bloem. 1,485,472; Mar. 4.
Desulphurizing medium and using same. R. Walter. 1,485,540; Mar. 4.
Dimensional figures and means for carrying out the said process, Producing given three-. H. M. Edmunds. 1,485,493; Mar. 4.
Dipper sticks, Stiffener for. W. C. Shea. 1,485,633; Mar. 4.
Dipper tooth. V. N. Seal. 1,485,434; Mar. 4.
Direction-indicating apparatus. M. Roux. 1,485,430; Mar. 4.
Display device. S. B. Griffin. 1,485,846; Mar. 4.
Display device. H. and A. J. Traumüller. 1,485,646; Mar. 4.
Display rack. H. S. Best. 1,485,587; Mar. 4.
Display shelf for merchandise. J. G. Kraft. 1,485,786; Mar. 4.
Display stand. C. H. Jarvis. 1,485,852; Mar. 4.
Doll. C. V. Havens. Des. 64,117; Mar. 4.
Doll. E. L. Smith. 1,485,638–9; Mar. 4.
Doll construction, Mold for and method of. E. L. Smith. 1,485,640; Mar. 4.
Door-actuating mechanism. F. S. Balatta. 1,485,476; Mar. 4.
Doorbolt. S. W. Parsons. 1,486,029; Mar. 4.
Doorcheck. W. J. Behn. 1,485,477; Mar. 4.
Door fastener. M. Ziehlke. 1,485,661; Mar. 4.
Door grill. T. C. Rush. 1,486,038; Mar. 4.
Door holder. C. F. Porter. 1,485,466; Mar. 4.
Doorlock. S. Larson. 1,485,620; Mar. 4.
Door-locking mechanism, Hydraulic jail-. J. Allenson. 1,485,756; Mar. 4.
Doors and windows, Holder check and emergency lock for hinged. A. D. Munslow. 1,485,424; Mar. 4.
Doorstop. L. F. Brasch. 1,485,954; Mar. 4.
Drawbar attachment. K. F. Hain. 1,486,016; Mar. 4.

Drier: *See*—
Clothes drier.
Drill. B. Raebel. 1,486,033; Mar. 4.
Drill and making the same. H. W. Twogood. 1,485,444; Mar. 4.
Drills, Safety manual feed for. D. C. Klausmeyer. 1,485,357; Mar. 4.
Drum, Heating or drying. J. D. McCracken. 1,486,112; Mar. 4.
Drums, Direct drive for lead cam. A. E. Drissner. 1,485,453; Mar. 4.
Dump bodies, Cleaning device for. W. C. Shea. 1,485,632; Mar. 4.
Dump feeder mechanism, Rotary-. J. A. Nolan. 1,486,104; Mar. 4.
Dumping device. W. C. Shea. 1,485,631; Mar. 4.
Dye solution and making and utilising same. K. Lüttin. 1,485,790; Mar. 4.
Dyeing machine. R. C. Rahm. 1,485,884; Mar. 4.
Dyestuffs capable of being chromed and making same. E. Reber. 1,485,814; Mar. 4.
Dynamo-electric machine. W. A. Turbayne. 1,485,741; Mar. 4.
Earth-boring apparatus. T. J. Freda. 1,485,455; Mar. 4.
Egg case. B. A. Lange. 1,486,025–6; Mar. 4.
Electric controller. R. E. Weimer and M. A. Speicher. 1,485,542; Mar. 4.
Electric-current controller. G. O. Wilms. 1,485,998; Mar. 4.
Electric generator. F. Kjekstad. 1,485,856; Mar. 4.
Electric heater. J. R. H. Coldwell. 1,485,666–7; Mar. 4.
Electric-light switch. C. Goldberg. 1,485,606; Mar. 4.
Electric machine, Dynamo. A. N. Sammarone. 1,485,533; Mar. 4.
Electric machines, Field-magnet pole piece for dynamo-. D. Hall. 1,485,398; Mar. 4.
Electric sign. F. B. Miller. 1,485,691; Mar. 4.
Electric transformer. B. W. David. 1,486,109; Mar. 4.
Electrical apparatus. F. Lowenstein. 1,485,462; Mar. 4.
Electrically-heated articles, Fusible cut-out for. C. E. Iredell. 1,485,784; Mar. 4.
Electrochemical reactions and apparatus for use therein, Carrying out. G. Plauson. 1,485,706; Mar. 4.
Electrolytic cell. H. I. Allen. 1,485,473; Mar. 4.
Electrolytic cell. A. E. Knowles. 1,485,461; Mar. 4.
Electrolytic condenser. C. T. Allcutt. 1,485,358; Mar. 4.
Electromagnetic switch. N. A. Wolfe and E. Pons. 1,485,750; Mar. 4.
Elevator doorlock. J. B. Kaiser. 1,486,093; Mar. 4.
Elevator safety device. F. E. Mayotte. 1,486,027; Mar. 4.
Energy-conversion machines, Control and regulation of. F. W. Meyer. 1,485,865; Mar. 4.
Engine: *See*—
Explosion valveless engine. Rotary engine.
Internal-combustion engine.
Engine. H. Michel. 1,485,988; Mar. 4.
Engine-priming device. H. R. Patterson. 1,485,428; Mar. 4.
Engines, Apparatus for supplying vaporized liquid fuel to internal-combustion. P. L. Ta'Bois. 1,486,058; Mar. 4.
Engines, Cooling system for internal-combustion. A. C. Gowing. 1,485,300; Mar. 4.
Engines, Filler block for convertible internal-combustion. M. W. Mount, jr. and D. Mount. 1,485,803; Mar. 4.
Engines, Gasoline-supply system for internal-combustion. W. Piel. 1,485,705; Mar. 4.
Engines, Liquid-fuel-supply system for internal-combustion. W. C. Carter. 1,485,829; Mar. 4.
Envelope opener. W. L. Barber. 1,485,548; Mar. 4.
Excavating device. J. W. Page. 1,485,878; Mar. 4.
Excavating machine. L. A. Krupp. 1,485,858; Mar. 4.
Excavator supporting frame and traction means therefor. S. R. W. M. Bager. 1,485,945; Mar. 4.
Explosion valveless engine, Two-stroke. J. Costille and G. Robbe. 1,485,369; Mar. 4.
Eyepiece frame. F. A. Logan. 1,485,789; Mar. 4.
Fabrics, Machine for feeding, cutting, and sewing. A. Curioni. 1,485,709; Mar. 4.
Fan and pulley therefor. E. F. Colby. 1,485,552; Mar. 4.
Fastener. P. Ballas. 1,485,359; Mar. 4.
Feeder, Automatic. J. A. Nolan. 1,486,105; Mar. 4.
Feeder, Poultry. L. D. Riegel. 1,485,469; Mar. 4.
Fire extinguisher, Portable. K. Schmidt. 1,486,041; Mar. 4.
Fire lighter. B. K. Boyd and H. Kirsch. 1,486,072; Mar. 4.
Fish, Means and method of preserving. J. J. Barry. 1,485,823; Mar. 4.
Fish screen. C. H. Rhudy. 1,486,034; Mar. 4.
Fish trap, Floating. T. O'Malley. 1,485,875; Mar. 4.
Fishes, Device for driving. C. K. Freer. 1,486,083; Mar. 4.
Flare light. F. Durcher. 1,486,014; Mar. 4.
Flask: *See*—
Foundry flask.
Flask. F. W. Schwenck. Des. 64,135; Mar. 4.
Floor polisher. W. H. Hughes. 1,485,680; Mar. 4.
Flues of heating appliances, Controlling means for. V. D. Ludington. 1,485,463; Mar. 4.
Fluid-dispensing device. C. H. Joy, jr., and L. J. Sauer. 1,485,561; Mar. 4.
Folding box or crate. C. O. A. Flagstad. 1,485,978; Mar. 4.
Forming block. E. R. Hartin. 1,485,609; Mar. 4.
Foundry flask. W. F. Schuls. 1,485,433; Mar. 4.
Frame: *See*—
Eyepiece frame. Truck side frame.
Spinning frame.
Fruit corer. H. E. Lake. 1,485,681; Mar. 4.
Fuel-economising apparatus. T. Bocchino. 1,485,826; Mar. 4.
Funnel. J. W. Dumont. 1,486,078; Mar. 4.
Furnace: *See*—
Hot-air heating furnace.
Furnace for the manufacture of hydrochloric acid and sodium sulphate. C. Dietz and M. Latten. 1,485,488; Mar. 4.
Furnace grate. H. B. Holt. 1,485,559; Mar. 4.
Furnaces, and the like, Method of and apparatus for providing blast for metallurgical. C. C. Van Nuys. 1,485,745; Mar. 4.
Furnaces, Draft-controlling device for. G. E. Hull. 1,485,613; Mar. 4.
Furnaces, Grate hanger for. W. L. Wymer. 1,486,067; Mar. 4.
Furniture and making same. J. H. Berns, jr., and R. Hoedt. 1,485,949; Mar. 4.
Furniture, Combination kitchen. S. P. Mulley. 1,485,991; Mar. 4.
Fuse. E. L. Ogle. 1,485,703; Mar. 4.
Fuse plug, Indicating. J. E. Johnson. 1,485,560; Mar. 4.
Fuse plug, Multiple-. J. F. Skinner. 1,485,636; Mar. 4.
Fuse, Refillable cartridge. E. G. Appleton. 1,485,822; Mar. 4.
Gaiter. H. S. Raub. 1,485,467; Mar. 4.
Galvanic element. A. Adams. 1,486,009; Mar. 4.
Galvanic element. R. Schuster. 1,486,042; Mar. 4.
Gas producer. D. J. Smith. 1,486,047; Mar. 4.
Gas-saving safety device. C. J. A. Gottlieb. 1,485,913; Mar. 4.
Gases, Analyzing. J. Alsberg and P. J. Ralph. 1,485,757; Mar. 4.
Gasoline-supplying attachment. J. S. Jones and E. A. Scott. 1,485,723; Mar. 4.
Gate and operating means therefor. C. C. Cook. 1,485,597; Mar. 4.
Gauge: *See*—
Air-pressure gauge. Liquid-level gauge.
Depth gauge. Replacement gauge.
Gauge. G. W. Powell. 1,485,429; Mar. 4.
Gauges, Protecting device for. O. W. Heise. 1,485,412; Mar. 4.
Gear, Composite. E. McDonough. 1,485,464; Mar. 4.
Generator: *See*—
Electric generator. Welding generator.
Generator and system involving same, Reversible double-voltage. W. A. Turbayne. 1,485,740; Mar. 4.
Generator system. W. A. Turbayne. 1,485,742–3; Mar. 4.
Glass, Apparatus for grinding or polishing plate. F. B. Waldron. Re15,788; Mar. 4.
Glass panels, Apparatus for cleaning. P. D. Ryan. 1,485,718; Mar. 4.
Glass sheets or plates, Machinery for producing. A. L. Forster. 1,485,500; Mar. 4.
Glove. A. Blom. 1,486,006; Mar. 4.
Glove, Polishing. C. C. Drueding. 1,485,374; Mar. 4.
Golf club. J. A. McMahon. 1,485,685; Mar. 4.
Grain-binder attachment. C. Wendt. 1,485,856; Mar. 4.
Grate attachment. N. J. Zuzulin. 1,485,545; Mar. 4.
Grate, Sintering-machine. A. L. Larson. Re15,787; Mar. 4.
Grease retainer. N. W. Trautner. 1,486,060; Mar. 4.
Gun, Machine. J. S. Johnston. 1,485,460; Mar. 4.
Guns, Trigger motor for Vickers machine. H. O. Russell and G. C. Brown. 1,485,717; Mar. 4.
Hair clipper. E. Colpitts. 1,485,832; Mar. 4.
Hair curler. M. L. Cavin. 1,485,368; Mar. 4.
Hair-curling device. B. E. Ikas. 1,485,506; Mar. 4.
Hair-drying apparatus. S. Hudson. 1,485,983; Mar. 4.
Hammer, Power. J. I. Depew. 1,485,486; Mar. 4.
Hand warmer. E. E. Gurr. 1,485,979; Mar. 4.
Handle: *See*—
Bomb-rack control handle. Knife handle.
Handle protector. A. R. Mitchell. 1,485,465; Mar. 4.
Handling and conveying means. C. S. Schroeder. 1,485,818; Mar. 4.
Hanger: *See*—
Window-shade hanger.
Harmonic currents, Generating. H. J. Vennes. 1,485,650; Mar. 4.
Harvester, Combination. A. G. and A. Ronning. 1,485,532; Mar. 4.
Hat lining. A. Kurtz. 1,485,511; Mar. 4.
Headlight antiglare attachment. J. D. Jones. 1,485,853; Mar. 4.
Headlight indicator. J. A. Campbell. 1,486,011; Mar. 4.
Headlight, Vehicle. D. D. Elder. 1,485,970; Mar. 4.
Heat-insulating structural material. W. M. Baxter and A. P. Lundin. 1,486,113; Mar. 4.
Heater: *See*—
Combination heater. Storage heater.
Electric heater. Tank heater.
Orchard heater.
Heater. C. J. Grayson. Des. 64,113; Mar. 4.

Heel-nailing machine. F. A. Reardon. 1,485,993; Mar. 4.
Heel, Shoe. W. H. Nutt. Des. 64,129; Mar. 4.
Hinge. F. H. Schoff. 1,485,432; Mar. 4.
Hinge construction. P. F. Ellmer and C. Streff. 1,485,556; Mar. 4.
Hog sides, Rolling and severing machine for. C. F. MacDonald and H. H. McKee. 1,485,403; Mar. 4.
Hoist. J. Ditson. Re15,780; Mar. 4.
Hose supporter. W. O. Johnstone. 1,486,092; Mar. 4.
Hosiery, drying and shaping structure. J. Gerritson. 1,485,385; Mar. 4.
Hot-air heating furnace. J. W. Dupuy. 1,485,968; Mar. 4.
Husk and socket cover combined. G. Ainsworth. Des. 64,108; Mar. 4.
Hydrocarbon motor. J. G. Vincent. 1,485,537; Mar. 4.
Hydrocarbons into lighter hydrocarbons, Apparatus for converting heavy. W. F. Muehl. 1,485,565; Mar. 4.
Hydrochloric acid direct from chlorine, Production of. L. Rosenstein. 1,485,816; Mar. 4.
Hydrogen in metal cathodes, Means for preventing occlusion of. J. Slepian. 1,485,436; Mar. 4.
Ice-cream disher. G. E. Holmes and F. W. Grant. 1,485,677; Mar. 4.
Ice cream, Measuring server for. C. J. Manuel. 1,485,622; Mar. 4.
Ice-cream-shipping tub. F. A. Botner. 1,485,665; Mar. 4.
Ice-pick holder. F. Kron. 1,485,510; Mar. 4.
Indicator: *See*—
Headlight indicator.
Ingot and mold for same. R. G. Coates. 1,485,830; Mar. 4.
Insect-destroying machine and cultivator. J. A. Setser. 1,485,726; Mar. 4.
Insect trap. W. M. Mooney. 1,485,867; Mar. 4.
Insulating sleeve, Protective. M. B. Salisbury. 1,485,994; Mar. 4.
Internal-combustion engine. B. H. Chappell. 1,485,483; Mar. 4.
Internal-combustion engine. C. Reineke. 1,485,627; Mar. 4.
Iron: *See*—
Traveler's iron.
Ironing board. G. M. Henrie. 1,486,018; Mar. 4.
Jack: *See*—
Lifting jack. Rim jack.
Joint: *See*—
Barrel joint. Universal joint.
Journal box. L. K. Stafford. 1,486,050; Mar. 4.
Kaleidoscope. C. A. Mallernee. 1,485,795; Mar. 4.
Key-chain reel. W. Best. 1,485,663; Mar. 4.
Key-cutting machines and the like, Motor control for. M. Spinello. 1,485,892; Mar. 4.
Keyless lock. R. M. Seward. 1,485,630; Mar. 4.
Kiln. P. Hempel. 1,485,920; Mar. 4.
Kitchen tool, Combination. J. I. Stein. 1,485,535; Mar. 4.
Knife handle. F. M. Stevens. 1,485,571; Mar. 4.
Lace. A. E. Newton. 1,485,693; Mar. 4.
Lamp. D. P. Sparks. 1,485,641; Mar. 4.
Lamp base. L. Severus. Des. 64,137–40; Mar. 4.
Lamp, Desk. F. B. Lindow. Des. 64,121; Mar. 4.
Lamp door. E. O. Seitz. Des. 64,136; Mar. 4.
Lamp, Ornamental. V. R. Will. Des. 64,153–6; Mar. 4.
Lamp socket. J. Cuthbert. 1,485,964; Mar. 4.
Lamp support for candle tubes, Adjustable electric-. A. Janovsky. 1,485,614; Mar. 4.
Latch needles, Caliper for measuring variations in. R. D. Bradbury. 1,485,365; Mar. 4.
Lathe. H. W. Melling. 1,485,687; Mar. 4.
Lathe, Machine. P. M. Fowl and H. W. Zimmerman. 1,485,383; Mar. 4.
Laundry-sorting device. F. E. Dole. 1,485,372; Mar. 4.
Lavatory waste. V. F. Davis. 1,485,669; Mar. 4.
Lead sulphate, Making. P. A. Mackay. 1,485,794; Mar. 4.
Lens. L. J. R. Holst. 1,485,929; Mar. 4.
Lens, Ophthalmic. A. B. Wells. 1,485,655; Mar. 4.
Lenses, Making fused bifocal. L. W. Bugbee. 1,485,589; Mar. 4.
Lifting-jack. J. J. Mizer. 1,485,516; Mar. 4.
Light: *See*—
Automobile road light. Parking and signal light.
Flare light.
Lighting fixture. H. J. Gruber. Des. 64,114–16; Mar. 4.
Lighting-fixture bracket. G. H. Lieftuchter. Des. 64,120; Mar. 4.
Lighting fixture, Dining-room. A. Cooper. Des. 64,110; Mar. 4.
Lighting-fixture globe. F. W. Mathieu. Des. 64,122; Mar. 4.
Lighting means. W. N. Allan. 1,486,000; Mar. 4.
Limbs, Device for actuating artificial. O. Semeleder. 1,485,725; Mar. 4.
Liner. F. and I. Le Cocq. 1,485,512; Mar. 4.
Liquid-dispensing apparatus, Supporting frame for. E. Crouse. 1,485,553; Mar. 4.
Liquid-level and specific-gravity indicator, Combined. L. Birk. 1,485,951; Mar. 4.
Liquid-level gauge. F. I. Du Pont. 1,485,772; Mar. 4.
Liquids, Apparatus for dispensing. M. J. Sage. 1,485,720; Mar. 4.
Liquids, Dehydrating organic. J. A. S. Hammond. Re15,783; Mar. 4.
Liquids, Storage of inflammable. J. Muchka. 1,485,518; Mar. 4.
Liquids, Vacuum apparatus for supplying. G. A. Purdy. 1,485,813; Mar. 4.
Lithographic engraving process on straight lines. A. J. Boedefeld and M. P. Exline. 1,485,478; Mar. 4.
Lithopone, Making. L. C. Drefahl and E. A. Taylor. 1,486,077; Mar. 4.
Load brake, Variable-. E. H. Dewson. 1,485,487; Mar. 4.
Load to load-lifting mechanism, Means for connecting a. B. F. Fitch. 1,485,972; Mar. 4.
Lock: *See*—
Case lock. Keyless lock.
Clutch-lever lock. Sash lock.
Lock. J. Rousseau. 1,486,037; Mar. 4.
Lock box. G. M. Goldsmith and C. P. Bartels. 1,485,387; Mar. 4.
Lock for rails, Joint. L. and A. J. Abo. 1,485,582; Mar. 4.
Locking device. G. M. Goldsmith and C. P. Bartels. 1,485,388–9; Mar. 4.
Locomotive-boiler-accessories support. C. M. Bell. 1,485,948; Mar. 4.
Locomotive driving box. J. G. Blunt. 1,485,952; Mar. 4.
Log carriages, Offset for. E. S. Rideout. 1,485,566; Mar. 4.
Looms, Needle-feeling mechanism for. J. Taranto. 1,485,820; Mar. 4.
Low-pressure alarm. W. H. Brown. 1,486,010; Mar. 4.
Lubricating device. D. Edge. 1,485,969; Mar. 4.
Machine stop device, Starting-. W. W. Lasker. 1,485,861; Mar. 4.
Machinery, Loading. C. G. Pfeiffer. 1,485,812; Mar. 4.
Magneto construction. E. B. Nowosielski. 1,485,992; Mar. 4.
Mail-box-mounting means, Rural-. W. S. Hardin. 1,486,017; Mar. 4.
Map and tourist's guide, Combined folding. I. M. Varner. 1,486,061; Mar. 4.
Maps, Fixture for holding and operating. W. H. Dietz. 1,485,838; Mar. 4.
Marble and making same, Imitation. H. L. Parker, jr., and W. W. Nivin. 1,485,810; Mar. 4.
Marking ticket. G. A. Wallin. 1,486,063; Mar. 4.
Mattress, Spring. E. Amies. 1,485,758; Mar. 4.
Measuring device. L. K. De Bus. 1,485,600; Mar. 4.
Measuring instrument. J. A. Cole. 1,485,831; Mar. 4.
Measuring the flow of fluids, Apparatus for. C. L. Weil. 1,485,654; Mar. 4.
Meat and the like, Electric process for thawing carcasses of frozen. A. U. Alcock. 1,485,755; Mar. 4.
Metal wheel, Cast-. L. Melanowski. 1,485,564; Mar. 4.
Milk and cream, Extracting oil from. C. E. North. 1,485,696–7; Mar. 4.
Milk, Continuous process of extracting oil from. C. E. North. 1,485,702; Mar. 4.
Milk, Extracting oil from. C. E. North and J. L. Laycock. 1,485,700; Mar. 4.
Milk fat, Obtaining. C. E. North. 1,485,698; Mar. 4.
Milk oil, Extracting. C. E. North and G. C. Peck. 1,485,701; Mar. 4.
Mill: *See*—
Cane mill. Coffee mill.
Miners' caps, Lamp holder for. J. J. Fisher. 1,485,842; Mar. 4.
Mixing and beating machine. H. Trust and F. M. Ashley. 1,485,647; Mar. 4.
Mold: *See*—
Type-bar-casting mold.
Molds, Match-board structure for. J. C. Wickham. 1,485,898; Mar. 4.
Mop, Floor. C. A. Channell. 1,485,482; Mar. 4.
Mop, Fountain. J. B. Sibley and H. C. Jenkins. 1,485,891; Mar. 4.
Mosaic, Glass. E. Zundel. 1,485,753; Mar. 4.
Motor: *See*—
Hydrocarbon motor. Spring motor.
Motorcycles and other cycles, Spring fork for. J. P. MacLean. 1,485,935; Mar. 4.
Motors, Control mechanism for induction. A. M. Dudley. 1,485,375; Mar. 4.
Nail driver. O. J. Johanson. 1,485,413; Mar. 4.
Nail puller. A. G. Florian. 1,485,974; Mar. 4.
Needle-threading attachment. D. A. Livingston. 1,485,684; Mar. 4.
Nitrating apparatus. G. Juer. 1,485,507; Mar. 4.
Nozzle, Coke-oven gas-burner. W. H. Wright. 1,485,821; Mar. 4.
Nutcracker. O. J. Schroeter. 1,485,570; Mar. 4.
Nut, Lock. J. S. Collins. 1,485,764; Mar. 4.
Nut-making machine. H. W. Melling. 1,485,689; Mar. 4.
Oil and amyl alcohol, Purification of fusel. H. F. Willkie. 1,485,940; Mar. 4.
Oil burner. C. C. Lillibridge. Re15,785; Mar. 4.
Oil burner. J. J. Milnes, jr. 1,486,103; Mar. 4.
Oil burner. M. Resek and H. F. Kluge. 1,485,711; Mar. 4.
Oil burner, Crude-. E. R. and W. R. Eldred. 1,485,495; Mar. 4.
Oil-feeding apparatus. H. E. Sommerfeldt. 1,485,729; Mar. 4.
Oil supply and delivery apparatus. J. W. Coates. 1,486,073; Mar. 4.
Oils, Hydrogenation of. H. C. Holden. 1,485,926; Mar. 4.
Orchard heater. B. C. Skinner. 1,485,534; Mar. 4.

Ore grinder, Gyratory. L. M. Kellogg. 1,485,618; Mar. 4.
Ore-screening apparatus. G. Nelson. 1,485,872; Mar. 4.
Ores of lead, silver, and copper, Treating sulphide. N. C. Christensen. 1,485,909; Mar. 4.
Oscillating system, Tuned mechanically. G. H. Schlesterstein. 1,486,040; Mar. 4.
Ovens, Heating system for retort coke. J. Becker. 1,485,451; Mar. 4.
Oxyoxdeinon and preparing the same, Product of reduction of. M. Freund. 1,485,673; Mar. 4.
Package tie. G. W. Stout. 1,485,996; Mar. 4.
Packing and wrapping up articles for transit and storage. F. C. Croxford. 1,485,598; Mar. 4.
Pan: *See*—
Railway-track pan.
Pantry receptacle. T. G. Elliott. 1,485,496; Mar. 4.
Paper bag. I. Schwartz. 1,486,043; Mar. 4.
Paper-box machines, Safety attachment for. I. Wingard, A. W. Saxon, and J. D. Stone. 1,486,066; Mar. 4.
Paper-cutting machines and the like, Cutting stick for. C. B. Russell. 1,485,886; Mar. 4.
Paper-feed guide for platen presses. H. H. Strait. 1,485,997; Mar. 4.
Paper folding box. S. Bergstein. 1,485,584–5; Mar. 4.
Paper napkins, Holder for. J. M. Fernandez. 1,486,079; Mar. 4.
Parachute. O. D. Lucas. 1,485,400; Mar. 4.
Parking and signal light. J. L. Banks. 1,485,903; Mar. 4.
Partition. H. F. Baloun. 1,485,449; Mar. 4.
Peat, Lubricating and tightening composition from. O. Ansbock and F. Hoogendoorn. 1,485,944; Mar. 4.
Pencil, Refillable. P. Charton. 1,485,484; Mar. 4.
Pendulum. I. V. Bilyeu. 1,485,664; Mar. 4.
Perforating machine. P. J. Fischer. 1,485,782; Mar. 4.
Phonograph connection for telephone receivers. J. J. Ghegan. 1,485,912; Mar. 4.
Phonograph repeater. A. Kalinosky. 1,485,415; Mar. 4.
Photographs, Apparatus for taking and examining color. C. E. Bredon. 1,485,956; Mar. 4.
Picker-stick check. N. H. Ellis. 1,485,911; Mar. 4.
Picture or cinematograph film, Motion-. L. Brown. 1,485,907; Mar. 4.
Pile wire. R. E. Thompson. 1,485,939; Mar. 4.
Pins, Safety catch for. F. P. Kintzele. 1,485,933; Mar. 4.
Pipe holder. M. S. Lipnoski. 1,485,683; Mar. 4.
Pipe mold, Centrifugal metal-. J. B. Ladd. 1,485,859; Mar. 4.
Pipe-suspending apparatus. W. E. Rich. 1,486,035; Mar. 4.
Piston. C. W. Hack. 1,486,110; Mar. 4.
Piston ring. E. Stiner. 1,485,439; Mar. 4.
Piston within the cylinder of an internal-combustion engine, Method of and apparatus for determining the location of the. B. J. Chapman. 1,485,960; Mar. 4.
Plant protector. W. H. Hobbs. 1,485,924; Mar. 4.
Plaster-receiving board. H. A. Cumfer. 1,485,370; Mar. 4.
Plate or analogous article. H. E. Nock. Des. 64,128; Mar. 4.
Plate or analogous article. G. F. Parker. Des. 64,130; Mar. 4.
Plate or similar article. E. J. Ridgway. Des. 64,133; Mar. 4.
Plow. A. P. McKay. 1,485,423; Mar. 4.
Plow and soil pulverizer, Combined. F. S. Shields. 1,485,819; Mar. 4.
Plow, Wheeled. C. H. Gemberling. 1,485,604; Mar. 4.
Plug, Hot. H. F. Shepherd. 1,485,890; Mar. 4.
Pocketbook. J. D'Etrillis. Des. 64,111; Mar. 4.
Pocket, Coat. M. Roberts. 1,485,567; Mar. 4.
Pocket, Watch. W. L. Pendergrass. 1,485,523; Mar. 4.
Powder puff. T. W. Schramm. 1,485,722; Mar. 4.
Power transmitter and operating mechanism therefor. D. F. Geiger. 1,485,457; Mar. 4.
Power-operated hand implement. J. Stejskal, jr. 1,486,051; Mar. 4.
Press: *See*—
Wax press.
Pressing machine, Cloth-. R. Bass. 1,485,824; Mar. 4.
Printing machine. A. S. Wyeong. 1,485,543; Mar. 4.
Printing roller. J. Stephenson. 1,486,052; Mar. 4.
Puller: *See*—
Nail puller. Stump puller.
Spike puller. Wheel or gear puller.
Pulley. W. Loeffler. 1,485,621; Mar. 4.
Pulling machine. C. J. Neddersen. 1,485,804; Mar. 4.
Pulp articles, Apparatus for manufacturing. D. M. Sutherland, jr. 1,485,894; Mar. 4.
Pump, Centrifugal. A. Hollander. 1,485,504; Mar. 4.
Pump, Compression. C. P. Norman. 1,485,695; Mar. 4.
Pump, Rotary. H. Junkers. 1,485,414; Mar. 4.
Punching machine. R. C. Clarke. 1,485,961; Mar. 4.
Rack: *See*—
Display rack.
Radiant. F. V. Risinger. 1,486,036; Mar. 4.
Radiator core. G. A. Houseman. Re15,784; Mar. 4.
Radiator shield. L. Christy. 1,486,012; Mar. 4.
Radio calling or signaling. L. Espenschild. 1,485,773; Mar. 4.
Radio instruments, Crystal detector for. H. H. Pickron. 1,485,524; Mar. 4.
Radiosignaling. H. G. Cordes. 1,485,485; Mar. 4.
Railway safety device. W. O. Bayless. 1,485,947; Mar. 4.
Railway, Scenic. J. T. Dye. 1,485,839; Mar. 4.
Railway signal. J. W. Osborne. 1,485,877; Mar. 4.
Railway signaling apparatus. E. S. Tiddeman and F. V. Russell. 1,485,442; Mar. 4.
Railway tie and rail fastener, Metal. W. Smith. 1,486,048; Mar. 4.
Railway-track pan. J. H. Fleharty. 1,485,499; Mar. 4.
Railway tracks, Device for lining. J. F. Elliott. 1,485,840; Mar. 4.
Railway trains and the like, Automatic air-brake apparatus for. Z. P. Leger. 1,485,421; Mar. 4.
Railway trains, Control of. A. R. Angus. 1,485,948; Mar. 4.
Raker gauge. M. J. Hahre. 1,485,847; Mar. 4.
Reamer, Expanding rotary. F. Stone. 1,485,642; Mar. 4.
Reamer, Expansion. M. A. Herro. 1,485,610; Mar. 4.
Reaming tool. S. M. Bellringer. 1,485,904; Mar. 4.
Receptacle. R. A. Dorsey. 1,485,490; Mar. 4.
Receptacle closure. C. C. Taft. 1,485,738; Mar. 4.
Receptacle, Metal. A. Miller. 1,485,408; Mar. 4.
Reel: *See*—
Key-chain reel.
Refrigerating apparatus. W. Zeindler. 1,485,902; Mar. 4.
Regenerator. B. E. L. de Maré. 1,485,770; Mar. 4.
Regulator: *See*—
Vacuum regulator.
Replacement gauge, Eccentric-arm-. J. M. Hopkinson. 1,486,019; Mar. 4.
Retort. E. W. Hopper. 1,485,851; Mar. 4.
Ribbon-reversing mechanism. M. C. Crawley. 1,485,765; Mar. 4.
Rifle stock. R. v. Frommer. 1,485,456; Mar. 4.
Rim jack, Demountable-. K. Park. 1,485,522; Mar. 4.
Ring: *See*—
Piston ring.
Road and waterproofing the same. C. B. Filbert. 1,486,015; Mar. 4.
Road wheel. J. Millar. 1,485,798; Mar. 4.
Rods, pipes, and the like, Clamp for. A. P. Worthington. 1,485,751; Mar. 4.
Roller: *See*—
Printing roller.
Roller and pulverizer, Land. J. F. Wagner. 1,485,651; Mar. 4.
Rolling movements, Link system for controlling. S. G. Wingquist. 1,485,900; Mar. 4.
Rotary engine. F. A. Bullington. 1,485,591; Mar. 4.
Rubber heel. I. Wagemaker, E. G. Bretzin, and V. C. Foster. Des. 64,153; Mar. 4.
Safe construction. D. H. Bellamore and C. Bartels. 1,485,363; Mar. 4.
Safety clasp. J. J. Joyce. 1,485,854; Mar. 4.
Sash catch, Double. T. E. Walker. 1,485,448; Mar. 4.
Sash lock, Automatic. J. A. Foley. 1,485,882; Mar. 4.
Saw set. T. C. Allison. 1,486,001; Mar. 4.
Scale construction. W. F. Stimpson. 1,485,893; Mar. 4.
Scale, Letter. R. A. Stevenson. 1,486,054; Mar. 4.
Scale, Weighing. H. C. Schaper. 1,485,470; Mar. 4.
Scenery, Collapsible. J. L. Carroll. 1,485,594; Mar. 4.
Score book, Auction-bridge. J. E. Dryfoos. Des. 64,112; Mar. 4.
Scraper, Drag. W. H. Dance. 1,485,965; Mar. 4.
Screen: *See*—
Fish screen.
Screening mechanism. C. C. Ruprecht. 1,485,568; Mar. 4.
Sectional boiler. M. E. Herbert. 1,486,089; Mar. 4.
Separator: *See*—
Storage-battery separator.
Septic tank. C. M. Mayo. 1,485,623; Mar. 4.
Serving or insulating machine. C. F. Arnhorst. 1,485,662; Mar. 4.
Settling apparatus. J. P. Dovel. 1,485,452; Mar. 4.
Sharpener and holder, Combined pencil. W. T. Boice. 1,486,007; Mar. 4.
Sheet glass, Method of and means for making. G. W. Holsinger. 1,485,928; Mar. 4.
Sheet materials, Machine for shaping. J. Brensinger. 1,485,590; Mar. 4.
Sheet metal for vibration, Machine for testing. G. de Bothezat and I. I. Eremeeff. 1,485,835; Mar. 4.
Sheet-metal product, Method of and apparatus for making a. L. Harter. 1,485,917; Mar. 4.
Shock absorber. C. H. Bankhead. 1,486,005; Mar. 4.
Shock-absorbing wheel. G. E. Taylor, jr. 1,485,644; Mar. 4.
Shock carrier. L. Stordahl. 1,485,737; Mar. 4.
Shore-protecting systems, Cribbing for. W. H. Evers. 1,485,381; Mar. 4.
Shovels, Detachable tooth for excavating. J. W. Page. 1,485,879; Mar. 4.
Shredding machine. S. Korbuly. 1,485,418; Mar. 4.
Sifter. C. W. Hinchcliffe. 1,485,396; Mar. 4.
Sifting machine. J. N. Battenfeld. 1,485,946; Mar. 4.
Sighting instrument, Compensating. R. Kauch. 1,485,785; Mar. 4.
Sign. E. L. McGuire. 1,485,514; Mar. 4.
Sign, P. S. Van Bloem. 1,485,445; Mar. 4.
Signal: *See*—
Railway signal.

Signal mounting, Rear. E. Boyce. 1,486,008; Mar. 4.
Signal-transmitting device. E. J. Quinn. 1,485,883; Mar. 4.
Signaling apparatus, Marine. J. K. M. Harrison. 1,485,776; Mar. 4.
Signaling system. C. A. Nash. 1,485,869–70; Mar. 4.
Silo. L. D. Houghtaling. 1,485,679; Mar. 4.
Skid cushion, Tail-. J. G. Berger. 1,485,760; Mar. 4.
Slotting machine. A. Trosch. 1,485,536; Mar. 4.
Snap-fastener button, Universal. A. D. Scully. 1,485,724; Mar. 4.
Soap and water mixer. F. Y. McKenney and W. H. Cheney. 1,486,100; Mar. 4.
Soap-stick holder. E. R. Butler. 1,485,480; Mar. 4.
Socket, Switching. T. J. Kerwin. 1,485,932; Mar. 4.
Solutions, Apparatus for concentrating. N. T. Bacon. 1,485,475; Mar. 4.
Sound-detecting apparatus. W. L. Walker. 1,485,538; Mar. 4.
Sounding line. E. J. Haynes. 1,485,394; Mar. 4.
Sound-producing diaphragm. H. Fischer. 1,486,081; Mar. 4.
Sound-receiving apparatus. W. L. Walker. 1,485,539; Mar. 4.
Sounds according to the binaural method, Compensating device for the determination of the direction of. E. Löbcke. 1,485,513; Mar. 4.
Speed-regulator system. L. Miller. 1,485,409; Mar. 4.
Spike puller. A. McLain. 1,485,863; Mar. 4.
Spinning frame. B. F. Herrick, jr. 1,485,921; Mar. 4.
Spinning frame. R. E. Naumburg. 1,485,871; Mar. 4.
Sponge cup. H. L. McGinty. Re15,786; Mar. 4.
Spool holder. W. Keim. 1,486,023; Mar. 4.
Spoon or similar article. W. Codman. Des. 64,109; Mar. 4.
Spring covers, Metal casing for leaf-. A. R. Goldrick. 1,485,978; Mar. 4.
Spring motor. E. W. Myers. 1,485,692; Mar. 4.
Spring mounting, Rear-. V. W. Page. 1,485,809; Mar. 4.
Spring wheel. A. H. Kutsche. 1,486,024; Mar. 4.
Stabilizer, Vertical. G. Gardner. 1,485,783; Mar. 4.
Stall for cattle, Show. R. J. Ackerman. 1,485,356; Mar. 4.
Stand: *See*—
Display stand.
Steak, Machine for preparing. C. M. Wolfe. 1,485,749; Mar. 4.
Steam generators, Water gauge for. F. I. du Pont. 1,485,492; Mar. 4.
Steering-column stabiliser. W. J. Higgins. 1,485,922; Mar. 4.
Stone crusher. C. A. Brawn. 1,485,955; Mar. 4.
Storage-battery box. H. E. Spoeneman and C. G. Schwarz. 1,485,438; Mar. 4.
Storage-battery grids, Machine for pasting. P. E. Norris. 1,485,426; Mar. 4.
Storage-battery separator. R. W. Portmann. 1,485,707; Mar. 4.
Storage heater. E. H. J. Dillon. 1,485,601; Mar. 4.
Stovepipe clamp. M. J. Dearda. 1,485,599; Mar. 4.
Stovepipe fastener. G. Stolze. 1,485,736; Mar. 4.
Structural framing. C. Dornier. 1,485,373; Mar. 4.
Structure, Metallic. C. Bartels and D. H. Bellamore. 1,485,360; Mar. 4.
Stud and eyelet fastening device. G. H. Elwell. Re15,781; Mar. 4.
Stump-cutting machine. C. Raeber. 1,485,527; Mar. 4.
Stump puller. J. Gilmore. 1,485,458; Mar. 4.
Sucker rods, Cleaning device for. J. B. Shenk. 1,485,435; Mar. 4.
Sugar juice, Defecating. W. D. Horne. 1,486,091; Mar. 4.
Sunshade for hats. H. McGaffey. 1,486,098; Mar. 4.
Superheater. W. Wulf. 1,485,941; Mar. 4.
Support, Auxiliary. A. M. Seeger. 1,485,629; Mar. 4.
Supporting structure. A. F. Stoltz. 1,485,572; Mar. 4.
Switch: *See*—
Electric-line switch. Electromagnetic switch.
Switch mechanism. H. G. Baxter. 1,485,862; Mar. 4.
Switch-operating mechanism. I. K. Dixon. 1,485,966; Mar. 4.
T-square guide. F. Kuttel. 1,485,787; Mar. 4.
Tag holder and box pull. G. C. Backus. 1,486,004; Mar. 4.
Tag, Key. R. Ralston. 1,485,528; Mar. 4.
Tank: *See*—
Septic tank.
Tank closure. J. A. Warren. 1,486,064; Mar. 4.
Tank heater, Poultry-. H. Hibbs. 1,485,395; Mar. 4.
Tap and die holder, Reversible. E. E. Browns. 1,485,454; Mar. 4.
Tap bolt and operating cap therefor. R. Z. Drake. 1,485,491; Mar. 4.
Tape-measure case. N. H. Shillman. 1,485,634; Mar. 4.
Telegraphy, Multiplex. R. V. L. Hartley. 1,485,675; Mar. 4.
Telephone mouthpiece. H. S. Hearn. 1,485,918; Mar. 4.
Telephone system. G. A. Yanochowski. 1,485,660; Mar. 4.
Telephoto objective. W. Merté. 1,485,515; Mar. 4.
Temperature-controlling device. P. West and E. P. Mason. 1,485,897; Mar. 4.
Template. G. E. and E. L. Potter. 1,485,708; Mar. 4.
Tension tester or indicator. C. S. Rhoads. 1,485,713; Mar. 4.
Therapeutic compound and producing the same. W. H. Engels. 1,485,880; Mar. 4.
Thread tier. H. Boedker. 1,486,070; Mar. 4.
Tie: *See*—
Package tie.
Timepieces, Automatic winder for. E. L. Thomas. 1,485,739; Mar. 4.
Tire. F. Palombo. 1,486,106; Mar. 4.
Tire. B. C. Swinehart. 1,485,573; Mar. 4.
Tire bead and making same. H. F. Maranville. 1,485,804; Mar. 4.
Tire hood, Nonskid-. M. Fink. 1,486,080; Mar. 4.
Tire remover. J. W. Pence. 1,486,030; Mar. 4.
Tire rim. S. I. Prescott and F. J. Rummler. 1,485,709; Mar. 4.
Tires, Inner tube for pneumatic. J. F. Stranahan and J. F. Mora. 1,486,055; Mar. 4.
Tobacco holder and cutter. F. A. H. Longworth. 1,485,399; Mar. 4.
Tobacco pipes, Attachment for. J. F. Phillips. 1,486,031; Mar. 4.
Tobacco-stemming machine. A. Grodsky. 1,486,087; Mar. 4.
Toilet and writing stand, Combined. E. P. Poor. Des. 64,132; Mar. 4.
Tongs. L. C. Dockery. 1,485,489; Mar. 4.
Tool. G. Shellcrosslee. 1,486,044; Mar. 4.
Tool box, Collapsible. C. M. Langness. 1,485,420; Mar. 4.
Toothbrush attachment. R. O. Nelson. 1,485,519; Mar. 4.
Toothbrush holder, Sanitary. G. J. Hollander. 1,485,850; Mar. 4.
Towline. G. Schonberg. 1,485,888; Mar. 4.
Toy. N. O. Megorden. 1,486,101; Mar. 4.
Toy balloon. A. P. Witten. 1,485,577; Mar. 4.
Toy car. D. V. Davis. 1,485,534; Mar. 4.
Toy, Seesaw. A. J. Gipson. 1,485,501; Mar. 4.
Traction cleat, Adjustable. C. C. Black. 1,485,364; Mar. 4.
Tractors to trailers, Apparatus for coupling. O. Köhler. 1,485,509; Mar. 4.
Train-controlling system. H. A. Maxfield. 1,485,563; Mar. 4.
Transmission-band adjuster, Automatic. H. J. Zimmerman. 1,485,752; Mar. 4.
Transmission, Hydraulic. W. E. Magie. 1,485,986; Mar. 4.
Trap: *See*—
Animal trap. Insect trap.
Fish trap.
Trap. T. G. Edwards. 1,485,494; Mar. 4.
Traveler's iron. H. Kreisheld. 1,485,397; Mar. 4.
Trolley hanger and making the same. O. C. Hirtzel. 1,485,923; Mar. 4.
Trough and automatic cut-off, Watering. J. J. Reynolds. 1,485,712; Mar. 4.
Truck for railway rolling stock. R. F. Hall. 1,485,981–2; Mar. 4.
Truck, Industrial. C. S. Schroeder. 1,485,817; Mar. 4.
Truck, Lift. J. P. Shuford. 1,486,045; Mar. 4.
Truck, Platform. F. Palmer. 1,485,880; Mar. 4.
Truck side frame. T. V. Buckwalter. 1,485,588; Mar. 4.
Truss. A. J. O. Hoschek. 1,485,611; Mar. 4.
Truss. D. C. Johnson. 1,486,021; Mar. 4.
Turbine bucket. H. Holzwarth. 1,485,678; Mar. 4.
Type-bar-casting mold. C. H. Briggs. 1,486,009; Mar. 4.
Type-casting machines, Metal feeder for. J. F. Graessle. 1,486,086; Mar. 4.
Typewriter. J. W. Moore. 1,485,800; Mar. 4.
Typewriter action. D. C. Harris. 1,485,558; Mar. 4.
Typewriter desk. W. C. Bieneman. 1,485,549; Mar. 4.
Typewriting machine. M. C. Crawley. 1,485,766–8; Mar. 4.
Undergarment. T. J. McKee. 1,485,793; Mar. 4.
Universal joint. I. H. Cuppa. 1,486,076; Mar. 4.
Upholstery and the like, Finishing strip for. A. E. Vogt. 1,485,446; Mar. 4.
Vacuum regulator. J. F. Musselman. 1,485,936; Mar. 4.
Valve. A. L. Bridgham. 1,485,957–8; Mar. 4.
Valve. E. J. Kiley. 1,485,508; Mar. 4.
Valve. W. F. McKay. 1,485,792; Mar. 4.
Valve. W. H. Morris. 1,485,517; Mar. 4.
Valve, Air. E. Crouse. 1,485,554; Mar. 4.
Valve and fitting. L. B. Yeiser. 1,485,544; Mar. 4.
Valve, Engine. G. W. Peterson. 1,485,625; Mar. 4.
Valve for gas-supply pipes, Automatic cut-off. J. Wilbur. 1,485,899; Mar. 4.
Valve lift. C. W. Merriman. 1,485,405; Mar. 4.
Valve mechanism, Compound meter-. W. H. Larrabee. 1,486,111; Mar. 4.
Valve mechanism for automatic train-control apparatus. O. B. Kent and R. L. Miller. 1,485,417; Mar. 4.
Valve, Pressure. G. W. Burke, jr., and E. Brown. 1,485,528; Mar. 4.
Valve, Pressure-regulating. W. J. Brown. 1,485,959; Mar. 4.
Valve releasing mechanism, Standing-. W. D. Brown and J. L. Fitzpatrick. 1,485,411; Mar. 4.
Valve springs, Tool for compressing and inserting. J. Carricart. 1,485,593; Mar. 4.
Valve, Steam and water. A. K. Waycott. 1,485,541; Mar. 4.
Vanity case. S. S. Aber. 1,485,857; Mar. 4.
Vanity case, Wrist. M. Hammel. 1,485,915; Mar. 4.

Vaporizer. C. R. Reddie. 1,485,710; Mar. 4.
Vaporizing device. K. O. Holland. 1,485,927; Mar. 4.
Vault, Burial. W. J. Corman. 1,485,607; Mar. 4.
Vault, Self-sealing burial. C. B. Hanna. 1,485,557; Mar. 4.
Vehicle deflector device, Motor-. C. A. Hartmann. 1,485,777; Mar. 4.
Vehicle mount. H. Delano, G. A. Chadwick, and S. V. Kemp. 1,485,836; Mar. 4.
Vehicle wheel. S. K. Serikoniuk. 1,485,637; Mar. 4.
Vehicles, Brake for motor. A. F. Masury. 1,485,686; Mar. 4.
Vehicles, Starting dynamo for motor. E. Bugatti. 1,485,366; Mar. 4.
Ventilating apparatus. C. J. Scanlan. 1,485,887; Mar. 4.
Ventilator. G. W. Gearhart. 1,486,084; Mar. 4.
Vise-locking screw, Adjustable. H. L. Eigenbrot. 1,485,670; Mar. 4.
Voltage boosting or bucking system. M. L. Sindeband. 1,485,727; Mar. 4.
Warper. A. E. Rhoades. 1,485,530; Mar. 4.
Warpers and similar machines, Guide means for. A. E. Rhoades. 1,485,531; Mar. 4.
Washboard, Self-soaping. W. Anderson. 1,486,003; Mar. 4.
Washing apparatus. H. E. Merseles. 1,485,797; Mar. 4.
Washing machine. E. L. Etheridge. 1,485,774; Mar. 4.
Washing machine. H. E. and H. R. Merseles, C. F. Simmons, and P. H. Engel. 1,485,796; Mar. 4.
Watchcase bow. A. W. Wadsworth and A. P. Conant. Des. 64,154; Mar. 4.
Water-gas set, Automatic-control. W. H. Gartley and O. B. Evans. 1,485,845; Mar. 4.
Water-soluble durable preparations containing acetylsalicylic acid, Production of. P. Aisleben. 1,486,002; Mar. 4.
Wave and tide motor. I. P. Viora. 1,485,574; Mar. 4.
Wax press. A. M. Gray. 1,485,391; Mar. 4.
Welding, Arc. E. Gruenfeldt. 1,485,450; Mar. 4.
Welding generator. W. A. Turbayne. 1,485,744; Mar. 4.
Well reamer, Oil-. A. S. Jones. 1,485,615; Mar. 4.
Wheel: *See*—
Cushion wheel. Shock-absorbing wheel.
Metal wheel. Spring wheel.
Road wheel. Vehicle wheel.
Wheel. H. S. Handler. 1,485,916; Mar. 4.
Wheel or gear puller. E. E. and R. B. Sterling. 1,485,733; Mar. 4.
Wheels, Traction tread for. E. P. Dickey and G. H. Irwin. 1,485,837; Mar. 4.
Windmill sucker rods, Hand-power attachment for. J. W. Taylor. 1,485,938; Mar. 4.
Window-closing device. L. E. Wolgemuth. 1,485,578; Mar. 4.
Window construction. F. A. Yeager. 1,485,901; Mar. 4.
Window-shade hanger. W. C. Wisekal. 1,485,748; Mar. 4.
Windshield cleaner, G. N. Hein. 1,485,919; Mar. 4.
Wire-coiling machine. E. Myette. 1,485,425; Mar. 4.
Wire fabric, Machine for making. G. E. Bull. 1,485,827; Mar. 4.
Wireless receiving apparatus, Cabinet for. R. A. McKinney. Des. 64,123; Mar. 4.
Wireless telegraph and telephone instrument. G. B. Spring. 1,486,049; Mar. 4.
Wire stretcher. E. J. Abell. 1,485,999; Mar. 4.
Wireworking machine. A. L. S. Yu. 1,486,068; Mar. 4.
Work rest. H. W. Melling. 1,485,688; Mar. 4.
Worktable for use in coating articles. W. Hogenson. 1,485,925; Mar. 4.
Wrapping machine. J. Berk. 1,485,586; Mar. 4.
Wrench. A. Robichaux and W. J. Coleman. 1,486,013; Mar. 4.
Xylose, arabinose, and other pentose sugars with the production of acetic acid and lactic and other organic acids by microorganisms, Fermentation of solutions containing. E. B. Fred and W. H. Peterson. 1,485,844; Mar. 4.
Yarn-tube unit. C. H. Collins. 1,486,074; Mar. 4.
Yarn-winding machine. S. Stewart and O. L. Owen. 1,485,734; Mar. 4.

CLASSIFICATION OF PATENTS

ISSUED MARCH 4, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 3: 1,485,933
2: 1,485,999
3: 1,485,413
2— 3: 1,485,567
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8: 1,485,778
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1: 1,485,511
1: 1,485,793
1: 1,485,789
1: 1,486,102
1: 1,485,523
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4 1,485,810
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	175: 1,485,520		70: 1,485,945		87: 1,486,075		453: 1,485,986		158: 1,485,940		329: 1,4
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	50: 1,485,670		82: 1,485,631		19: 1,485,807				64: 1,485,658		378: 1,4
200—	44: 1,486,071			238—	260: 1,485,582		62: 1,485,950		70: 1,485,547		385: 1,4
	67: 1,485,362		138: 1,485,558		272: 1,486,048	250—	2: 1,485,773		112: 1,486,082		391: 1,4
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	128: 1,485,703	217—	31: 1,486,026				31: 1,485,524	265—	12: 1,485,835	295—	23: 1,4
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	163: 1,485,606		26: 1,485,397		52: 1,485,614		115: 1,485,554		71: 1,485,470	301—	11: 1,4
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	1,485,821				62: 1,485,808		131: 1,485,828		30: 1,485,745		46: 1,4
	1,485,914		1,485,800	241—	6: 1,486,022		156: 1,485,541	267—	37: 1,485,978		64: 1,4
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Varnish Works. (See Moran, Richard H.)

Adams & Jewell, Rome, N. Y. Plastic cements. 180,946; Mar. 11; Serial No. 184,951; published Dec. 25, 1923.

Advance Machine Company, Chicago, Ill. Picture-viewing machine. 180,942; Mar. 11; Serial No. 185,101; published Dec. 25, 1923.

Akron Grocery Co., The, Akron, Ohio. Coffee, olive oil, and sugar. 181,039; Mar. 11; Serial No. 180,260; published Nov. 13, 1923.

Alden Products Co., Seagirt, N. J. Mayonnaise dressing. 181,108; Mar. 11; Serial No. 186,208; published Jan. 1, 1924.

American Buckle Co. (See Hertz, Felix.)

American Glue Company, Boston, Mass. Sandpapers and sand cloths. 180,992; Mar. 11; Serial No. 187,239; published Dec. 25, 1923.

American Rust Proof Co. Inc., The, New York, N. Y. Composition for treating metallic surfaces to prevent rust. 180,925; Mar. 11; Serial No. 186,263; published Dec. 25, 1923.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Cordage. 181,153; Mar. 11; Serial No. 186,623; published Dec. 25, 1923.

Ansted & Burk Company, The, Springfield, Ohio. Wheat flour. 180,951; Mar. 11; Serial No. 184,704; published Dec. 25, 1923.

Anzell, Alexander A., doing business as Specialty Manufacturing Company, Brooklyn, N. Y. Dental, optical, and surgical mirrors, etc. 181,040; Mar. 11; Serial No. 187,656; published Dec. 25, 1923.

Apollo Drug Company, Gary, Ind. Tonic medicine for the stomach, bowels, blood, nerves, etc. 180,936; Mar. 11; Serial No. 185,240; published Dec. 18, 1923.

Arena, A., & Co., Los Angeles, Calif. Fresh cantaloupes. 180,850; Mar. 11; Serial No. 174,763; published July 24, 1923.

Ariston Metal Company, Inc., New York, N. Y. Bearing metal. 181,045; Mar. 11; Serial No. 186,578; published Dec. 25, 1923.

Arkadelphia Milling Co., Arkadelphia, Ark. Stock feed. 180,911; Mar. 11; Serial No. 185,355; published Dec. 25, 1923.

Armstrong Packing Company, Dallas, Tex. Pure pork sausage. 181,177; Mar. 11.

Atlas Bedstead Company (Stephen Wilkes & Sons) Limited, The, Bilston, England. Corner fittings for bedsteads, cots, etc. 180,976; Mar. 11; Serial No. 172,026; published Dec. 18, 1923.

Babcock, Charles B., doing business as C. B. Babcock Company, San Francisco, Calif. Gas furnaces, ranges, heating stoves, etc. 181,050; Mar. 11; Serial No. 186,407; published Dec. 25, 1923.

Baeder Adamson Company, Boston, Mass. Flint paper and cloth, garnet paper and cloth, etc. 181,075; Mar. 11; Serial No. 185,104; published Dec. 25, 1923.

Barr & Foster Candy Company, Milwaukee, Wis. Confectionery. 181,053; Mar. 11; Serial No. 183,814; published Dec. 25, 1923.

Barr & Foster Candy Company, Milwaukee, Wis. Confectionery. 181,061–2; Mar. 11; Serial Nos. 183,815–16; published Dec. 25, 1923.

Bargreen, Samuel E., doing business as Imperial Tea Co., Everett, Wash. Laundry powder. 181,008; Mar. 11; Serial No. 168,507; published Dec. 25, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Cereal breakfast foods, cooked bran, etc. 180,844; Mar. 11; Serial No. 175,059; published Dec. 25, 1923.

Baum, Constance H., New York, N. Y. Novelty designs for textiles. 181,056; Mar. 11; Serial No. 183,728; published Dec. 18, 1923.

Bedell Company, The, New York, N. Y. Hosiery. 180,996; Mar. 11; Serial No. 187,081; published Jan. 1, 1924.

Benjamin, Edward J., Chicago, Ill. China, porcelain, and earthenware dishes. 181,193; Mar. 11.

Benzol Motor Fuel Company, The, Akron, Ohio. Fuel for internal-combustion engines. 181,117; Mar. 11; Serial No. 187,792; published Dec. 25, 1923.

Bernese Alps Milk Co., Stalden, Switzerland. Milk and milk products. 180,886; Mar. 11; Serial No. 176,532; published Dec. 25, 1923.

Best Foods, Inc., The, New York, N. Y. Hydrogenated coconut oil. 181,160–1; Mar. 11; Serial Nos. 186,688–9; published Dec. 25, 1923.

Bestyett Food Company. (See Whitsitt, Sarah G.)

Blake, Moffitt & Towne, San Francisco, Calif. Twine. 180,994; Mar. 11; Serial No. 187,291; published Dec. 25, 1923.

Blatz, Val., Jr., Candy Co., Milwaukee, Wis. Candy. 181,131; Mar. 11; Serial No. 179,291; published Sept. 11, 1923.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 180,919; Mar. 11; Serial No. 187,084; published Dec. 25, 1923.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 180,928; Mar. 11; Serial No. 186,771; published Dec. 18, 1923.

Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen dress goods in the piece. 180,971–2; Mar. 11; Serial Nos. 187,242–3; published Dec. 25, 1923.

Boyt, Walter, Company, Inc., Des Moines, Iowa. Harness, harness parts, nets, and sweat pads for horses. 181,151; Mar. 11; Serial No. 186,629; published Dec. 25, 1923.

Bradley, Milton, Company, Springfield, Mass. Crayons. 181,048; Mar. 11; Serial No. 186,439; published Dec. 25, 1923.

Brun, Jean A. F., Paris, France. Taximeters. 180,932; Mar. 11; Serial No. 186,176; published Dec. 18, 1923.

Bunting, John M., Indianapolis, Ind. Men's, women's, and children's silk hose. 181,028; Mar. 11; Serial No. 161,961; published Oct. 3, 1922.

Cadman, A. W., Manufacturing Co., Pittsburgh, Pa. Bearing metals. 180,963; Mar. 11; Serial No. 183,360; published Dec. 18, 1923.

California Peach & Fig Growers, Fresno, Calif. Bread, crackers, and cookies. 181,187; Mar. 11.

Canavello, Harold B., New York, N. Y. Vanity boxes. 180,865; Mar. 11; Serial No. 186,944; published Dec. 25, 1923.

Candy-Toy Company of America, Harrisburg, Pa. Toy balloon. 181,112; Mar. 11; Serial No. 181,976; published Dec. 25, 1923.

Carque Pure Food Company, Inc., Los Angeles, Calif. Dried and evaporated fruits, figs, dates, etc. 181,184; Mar. 11.

Carry Ice Cream Company, Incorporated, Washington, D. C. Ice creams, ices, ice-cream cones, and products. 181,191; Mar. 11.

Caulk, L. D., Company, The, Milford, Del. Preparation for application to dental cavities, etc. 180,967; Mar. 11; Serial No. 184,118; published Dec. 18, 1923.

Celias', Inc., New York, N. Y. Macaroni. 181,025; Mar. 11; Serial No. 163,670; published Jan. 9, 1923.

Chandler and Rudd Company, The, Cleveland, Ohio. Speed-changing transmission gearing for motor vehicles. 180,863; Mar. 11; Serial No. 186,773; published Dec. 25, 1923.

Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 181,043; Mar. 11; Serial No. 186,464; published Dec. 25, 1923.

Chopak Textile Co. Inc., New York, N. Y. Silk piece goods. 180,943; Mar. 11; Serial No. 185,176; published Dec. 18, 1923.

Christians, H. C., Co., Chicago, Ill. Butter. 180,901; Mar. 11; Serial No. 185,566; published Dec. 25, 1923.

Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Writing paper. 180,848; Mar. 11; Serial No. 174,554; published July 10, 1923.

Citrus Products Company, Chicago, Ill. Food-flavoring extracts. 181,063; Mar. 11; Serial No. 184,120; published Dec. 25, 1923.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Dental cutting tools. 180,984; Mar. 11; Serial No. 162,865; published Dec. 25, 1923.

Cluett, Peabody & Co., Troy, N. Y. Shirts. 181,182; Mar. 11.

Cole Manufacturing Company, Chicago, Ill. Furnaces, stoves, ranges, and heaters. 181,011; Mar. 11; Serial No. 168,254; published Dec. 25, 1923.

Compo Bond Corporation, New York, N. Y. House organ. 180,888; Mar. 11; Serial No. 177,166; published Dec. 18, 1923.

Cook Electric Company, Chicago, Ill. Nutcrackers. 181,052; Mar. 11; Serial No. 186,317; published Dec. 25, 1923.

Coty, Inc., Wilmington, Del., and New York, N. Y. Toilet soaps. 181,134; Mar. 11; Serial No. 180,106; published Dec. 18, 1923.

Cousar, John G., and John G. Barron, Fort Lawn, S. C. Mechanical insect exterminators. 181,012; Mar. 11; Serial No. 167,672; published Dec. 18, 1923.

Cover, Thomas, jr., doing business as Cover & Company, Philadelphia, Pa. Sole leather. 181,165; Mar. 11; Serial No. 186,630; published Dec. 25, 1923.

Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Turbines, pumps, etc. 180,898; Mar. 11; Serial No. 185,960; published Dec. 25, 1923.

Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Turbines, pumps, hydraulic turbines, etc. 181,089; Mar. 11; Serial No. 186,036; published Dec. 25, 1923.

Creamery Package Mfg. Company, The, Chicago, Ill. Dairy, creamery, milk-plant, etc., machinery and appliances. 181,016–18; Mar. 11; Serial Nos. 167,601–3; published Dec. 25, 1923.

Crown Barber Supply Co. (See Cuddy, Edward B.)

Cuddy, Edward B., doing business as Crown Barber Supply Co., New York, N. Y. Bay rum. 181,178; Mar. 11.

Davis-Reece Co., Inc., Brooklyn, N. Y. Stick candy. 181,050; Mar. 11; Serial No. 183,959; published Dec. 18, 1923.

Dodek, Frank, Chicago, Ill. Laxative tea. 180,968; Mar. 11; Serial No. 184,124; published Dec. 18, 1923.

Del Monte-Hickey, New York, N. Y. Camel's-hair piece goods. 180,975; Mar. 11; Serial No. 174,203; published Dec. 25, 1923.

Denzer & Nathan, Inc., New York, N. Y. Cotton piece goods. 180,953; Mar. 11; Serial No. 184,784; published Dec. 25, 1923.

De Picabia, Manuel M., New York, N. Y. Coffees. 181,120; Mar. 11; Serial No. 187,857; published Jan. 1, 1924.

Diem & Wing Paper Co., The, Cincinnati, Ohio. Blasting paper. 180,860; Mar. 11; Serial No. 186,880; published Dec. 25, 1923.

Diem & Wing Paper Co., The, Cincinnati, Ohio. Bond paper. 180,861; Mar. 11; Serial No. 186,876; published Dec. 25, 1923.

Diem & Wing Paper Co., The, Cincinnati, Ohio. Bond paper. 180,862; Mar. 11; Serial No. 186,874; published Dec. 25, 1923.

Dillard & Keene Co., Eustis, Fla. Fresh citrous fruits. 181,000; Mar. 11; Serial No. 172,668; published May 15, 1923.

Disappearing Propeller Boat Co. Limited, Toronto, Ontario, Canada. Internal-combustion motors and parts thereof. 180,949; Mar. 11; Serial No. 184,815; published Dec. 18, 1923.

Diseton, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Saws. 181,087; Mar. 11; Serial No. 188,002; published Dec. 25, 1923.

Doptoglou Bros. of N. Y., New York, N. Y. Cotton piece goods. 181,088; Mar. 11; Serial No. 183,444; published Nov. 6, 1923.

Dowst, T. S., doing business as Dowst Bros. Co., Chicago, Ill. Miniature living-room suites, bedroom suites, dining-room sets, etc. 181,033; Mar. 11; Serial No. 158,974; published Dec. 25, 1923.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 180,921; Mar. 11; Serial No. 187,208; published Dec. 25, 1923.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 180,973; Mar. 11; Serial No. 187,209; published Dec. 25, 1923.

Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 180,997; Mar. 11; Serial No. 187,007; published Dec. 25, 1923.

Economy Cooker Company, East Providence, R. I. Steam-pressure cookers. 180,904; Mar. 11; Serial No. 183,562; published Dec. 18, 1923.

Edson Bros., Philadelphia, Pa. Olive oil. 180,852; Mar. 11; Serial No. 174,296; published Jan. 1, 1924.

Eisenlohr, Otto, & Bro, Incorporated, Philadelphia, Pa. Cigars. 180,859; Mar. 11; Serial No. 186,888; published Dec. 25, 1923.

Enterprise Bed Company, Hammond, Ind. Swinging couches or davenports. 181,013; Mar. 11; Serial No. 187,770; published Dec. 18, 1923.

Euclid Candy Co., The, Cleveland, Ohio. Candy. 180,900; Mar. 11; Serial No. 185,513; published Dec. 25, 1923.

Fanning, Omar A., Streator, Ill. Pickles. 181,107; Mar. 11; Serial No. 186,214; published Jan. 1, 1924.

Farish Company, The, Greenwich, Conn., and New York, N. Y. Cotton goods, denims, sheetings, bedspreads, etc. 180,977; Mar. 11; Serial No. 169,164; published Dec. 25, 1923.

Farr Company, Inc., New York, N. Y. Women's apparel. 181,093; Mar. 11; Serial No. 186,006; published Jan. 1, 1924.

Federal Envelope Mfg. Co., Omaha, Nebr. Envelopes. 180,858; Mar. 11; Serial No. 187,412; published Dec. 25, 1923.

Fischer, B., & Co. Inc., New York, N. Y. Coffee. 180,893; Mar. 11; Serial No. 185,821; published Dec. 25, 1923.

Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Yeast. 181,036; Mar. 11; Serial No. 147,020; published Dec. 18, 1923.

Ford, Charles H., Taft, Okla. Preparation for the treatment of cholera, colds, coughs, etc., of hogs and pigs. 180,958; Mar. 11; Serial No. 184,128; published Dec. 18, 1923.

Forkapa, Milan B., doing business as M. B. Forkapa & Company, Cleveland, Ohio. Question and answer toy. 181,049; Mar. 11; Serial No. 186,424; published Dec. 25, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,868; Mar. 11; Serial No. 186,893; published Jan. 1, 1924.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,869; Mar. 11; Serial No. 186,892; published Dec. 25, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,894; Mar. 11; Serial No. 186,897; published Dec. 25, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 180,895; Mar. 11; Serial No. 187,573; published Dec. 25, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,107; Mar. 11; Serial No. 187,572; published Dec. 25, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,168; Mar. 11; Serial No. 187,575; published Dec. 25, 1923.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,864; Mar. 11; Serial No. 186,953; published Dec. 25, 1923.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,873; Mar. 11; Serial No. 186,745; published Dec. 25, 1923.

Franklin Air Compressor Works, Norristown and Trooper, Pa. 181,044; Mar. 11; Serial No. 186,470; published Dec. 25, 1923.

French Chemical Company, Rochester, N. Y. Cleaning preparation for kitchen, household, and laundry uses. 181,073; Mar. 11; Serial No. 188,008; published Dec. 25, 1923.

Friedman's, Augusta, Shop, Inc., Birmingham, Ala. Ladies' suits, dresses, coats, shoes, hosiery, hats, underwear. 181,179; Mar. 11.

Frink Creamery Company, The, Larkspur, Colo. Cheese. 180,926; Mar. 11; Serial No. 186,361; published Dec. 25, 1923.

Frith, Walter D., Vancouver, British Columbia, Canada. Canned salmon. 180,890; Mar. 11; Serial No. 185,516; published Dec. 18, 1923.

Fruhauf Bros. & Co., New York, N. Y. Overcoats and suits. 181,188; Mar. 11.

Fruit Valley Corporation, Rochester, N. Y. Compound for making puddings and pies. 180,899; Mar. 11; Serial No. 185,696; published Jan. 1, 1924.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 181,026; Mar. 11; Serial No. 160,008; published Dec. 25, 1923.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 181,171; Mar. 11.

Gates, Thomas B. M., New York, N. Y. Sport hair nets. 180,970; Mar. 11; Serial No. 187,252; published Dec. 25, 1923.

Gilchrist, William A., Chicago, Ill. Steam-boiler furnaces and parts thereof. 181,182; Mar. 11; Serial No. 179,719; published Dec. 25, 1923.

Glemby's, S., Sons Co., Inc., New York, N. Y. Hairpins. 181,077; Mar. 11; Serial No. 187,577; published Jan. 1, 1924.

Glebe Phone Manufacturing Company, Reading, Mass. Telephone apparatus and parts thereof. 180,982; Mar. 11; Serial No. 149,747; published Dec. 25, 1923.

Goldenberg's, Washington, D. C. Suitcases, trunks, traveling bags, etc. 180,909; Mar. 11; Serial No. 170,638; published Dec. 25, 1923.

Goldsworthy, A. Raymond, Brockton, Mass. Hand cleaner. 181,120; Mar. 11; Serial No. 181,828; published Dec. 25, 1923.

Gorelick, S. & Sons, New York, N. Y. Handkerchiefs. 180,881; Mar. 11; Serial No. 179,146; published Dec. 25, 1923.

Graf, Paul L., New York, N. Y. Hair nets. 180,920; Mar. 11; Serial No. 187,159; published Dec. 25, 1923.

Great States Corporation, Richmond, Ind. Water circulator for cooling systems for gasoline engines for autos. 181,047; Mar. 11; Serial No. 186,504; published Dec. 25, 1923.

Great States Corporation, Richmond, Ind. Water circulator for cooling systems for gasoline engines for autos. 181,101; Mar. 11; Serial No. 186,062; published Dec. 25, 1923.

Great Western Manufacturing Company, Laporte, Ind. Bicycles. 181,037; Mar. 11; Serial No. 115,883; published Dec. 25, 1923.

Green, Curtis L., doing business as C. L. Green Milling and Grain Co., Winters, Tex. Wheat flour and corn meal. 180,910; Mar. 11; Serial No. 185,336; published Dec. 25, 1923.

Greif, L., & Bro. Incorporated, Baltimore, Md. Outer clothing. 180,894; Mar. 11; Serial No. 185,824; published Jan. 1, 1924.

Gristede Bros. Inc., New York, N. Y. Canned peas. 181,006; Mar. 11; Serial No. 170,286; published Jan. 1, 1924.

Grossman Bros. & Rea, Inc., Seattle, Wash. Fresh apples. 180,987; Mar. 11; Serial No. 187,310; published Dec. 25, 1923.

Grouten, Leo A., Unionville, Conn. Eggs. 181,133; Mar. 11; Serial No. 179,865; published Dec. 25, 1923.

Grozinger, Chris., Co. Inc., Brooklyn, N. Y. Smoked ham, baked meat loaf, bacon, etc. 180,883; Mar. 11; Serial No. 177,296; published Jan. 1, 1924.

Hague, A. J., & Co. Inc., New York, N. Y. Elastic webbing, cotton trimming, toilet pins, etc. 181,005; Mar. 11; Serial No. 169,442; published Jan. 1, 1924.

Hall Projector Company, Inc., The, East Boston, Mass. Motion-picture projectors. 180,876; Mar. 11; Serial No. 187,050; published Dec. 25, 1923.

Hanawalt Spaulding Company, Los Angeles, Calif. Stained wooden shingles. 180,875; Mar. 11; Serial No. 187,051; published Dec. 25, 1923.

Harris, D. P., Hardware & Manufacturing Co. Inc., New York, N. Y. Children's bicycles and velocipedes. 181,110–11; Mar. 11; Serial Nos. 182,582–3; published Dec. 25, 1923.

Harris, J., & Company, New York, N. Y. Fountain pens. 181,121; Mar. 11; Serial No. 187,564; published Dec. 25, 1923.

Health Food Distributing Company. (See Rick, James J.)

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 181,060; Mar. 11; Serial No. 182,877; published Dec. 25, 1923.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 181,137–8; Mar. 11; Serial Nos. 183,475–6; published Dec. 25, 1923.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 181,139; Mar. 11; Serial No. 183,480; published Dec. 25, 1923.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 181,140; Mar. 11; Serial No. 183,285; published Dec. 25, 1923.

Heimbach Baking Company, The, Allentown, Pa. Bread. 181,130; Mar. 11; Serial No. 179,260; published Dec. 25, 1923.

Heller, B., & Company, Chicago, Ill. Insecticide preparation. 181,172; Mar. 11.

Heller, B., & Company, Chicago, Ill. Preparation for poisoning vermin. 181,175; Mar. 11.

Heller, B., & Company, Chicago, Ill. Preparation for poisoning bedbugs. 181,183; Mar. 11.

Helm Candy Company, Lancaster, Pa. Candy. 181,160; Mar. 11.

Henry & Allen, Auburn, N. Y. Wrenches. 181,042; Mar. 11; Serial No. 186,474; published Dec. 25, 1923.

Hermo Products Company, The. (See Tsifakis, Andrew E.)

Hertz, Felix, doing business as American Buckle Co., New York, N. Y. Bags, portfolios, pocketbooks, etc. 180,895; Mar. 11; Serial No. 185,854; published Dec. 25, 1923.

Hill & Jackson, Waskom, Tex. Hair grower. 180,966; Mar. 11; Serial No. 184,074; published Dec. 18, 1923.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 181,051; Mar. 11; Serial No. 186,369; published Dec. 18, 1923.

Holliston Mills, Inc., The, Norwood, Mass. Book lacquer, varnishes, lacquers, and automobile top dressings. 180,935; Mar. 11; Serial No. 185,081; published Dec. 25, 1923.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, and dried fruits. 180,905; Mar. 11; Serial No. 187,058; published Dec. 25, 1923.

Hydraulic Brake Company, Los Angeles, Calif., and Detroit, Mich. Vehicle brakes. 180,945; Mar. 11; Serial No. 184,941; published Dec. 25, 1923.

Imperial Tea Co. (See Bargreen, Samuel E.)

Innovation Ingenuities Incorporated, New York, N. Y. Trunks, traveling bags, etc. 181,055; Mar. 11; Serial No. 183,745; published Dec. 25, 1923.

Ivins, J. S., Son, Inc., Philadelphia, Pa. Cookies. 180,930; Mar. 11; Serial No. 186,132; published Dec. 25, 1923.

Jardine, William H., Philadelphia, Pa. Ventilators. 181,159; Mar. 11; Serial No. 187,679; published Dec. 25, 1923.

Johnson Pharmaceutical Company, The, Woburn, Mass. Ointment. 180,959; Mar. 11; Serial No. 184,167; published Dec. 18, 1923.

Johnson, S. C., & Son, Racine, Wis. Valve-grinding compound. 181,114; Mar. 11; Serial No. 182,099; published Dec. 18, 1923.

Jones, Vess, doing business as The Whiz Co., New York, N. Y. Beverages sold as soft drinks and sirups therefor. 181,004; Mar. 11; Serial No. 160,017; published Dec. 25, 1923.

Kammerer, William C., doing business as Missouri Butter Company, St. Louis, Mo. Butter. 181,071; Mar. 11; Serial No. 184,466; published Dec. 25, 1923.

Kann, Sydney, doing business as Sydney Kann & Co., Detroit, Mich. Paper bags and baskets. 181,149; Mar. 11; Serial No. 183,386; published Dec. 25, 1923.

Kell Milling Company, Vernon, Tex. Hard-wheat flour. 180,884; Mar. 11; Serial No. 177,485; published Dec. 18, 1923.

Keystone Drain Board Co. (See Leffler, Howard.)

King, M. D., Milling Company, Pittsfield, Ill. Self-rising flour. 181,064–5; Mar. 11; Serial Nos. 184,079–80; published Dec. 25, 1923.

Kinnear Manufacturing Company, The, Columbus, Ohio. Metallic fire-resisting shutters, curtains, and doors. 181,024; Mar. 11; Serial No. 163,525; published Dec. 25, 1923.

Klein, Jack, doing business as J. Klein Co., New York, N. Y. Handkerchiefs. 180,915–6; Mar. 11; Serial Nos. 186,915–16; published Dec. 25, 1923.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned fruits, vegetables, and salmon, and condiments. 180,956; Mar. 11; Serial No. 184,926; published Dec. 25, 1923.

La France Products Corporation, New York, N. Y. Non-alcoholic, maltless soft drinks. 180,947; Mar. 11; Serial No. 184,973; published Dec. 25, 1923.

Larkin Co., Inc., Buffalo, N. Y. Soap, polishes, etc. 180,882; Mar. 11; Serial No. 179,155; published Dec. 18, 1923.

Las-Ka Company, Inc., The, Des Moines, Iowa. Candy cup for holding ice cream and ices. 181,126; Mar. 11; Serial No. 181,286; published Dec. 25, 1923.

Lawrence Sales Co., Poughkeepsie, N. Y. Bottle cappers and corkers. 180,854; Mar. 11; Serial No. 187,460; published Dec. 25, 1923.

Lee, H. D., Flour Mills Company, The, Salina, Kans. Plain flour. 180,931; Mar. 11; Serial No. 186,140; published Dec. 25, 1923.

Leffler, Howard, doing business as Keystone Drain Board Co., Los Angeles, Calif. Composition drain boards and mantels, etc. 181,092; Mar. 11; Serial No. 186,016; published Dec. 25, 1923.

Le Montree Manufacturing Company, The, Cincinnati, Ohio. Paper bags. 181,074; Mar. 11; Serial No. 188,019; published Dec. 25, 1923.

Levin, Abraham I., doing business as Rawhide Products Distributing Co., Kenilworth, N. J. Tire flaps for automobile tires, tire accessories, etc. 181,109; Mar. 11; Serial No. 182,251; published Dec. 25, 1923.

Lewis Manufacturing Company, Walpole, Mass. Cheesecloth. 181,106; Mar. 11; Serial No. 186,240; published Dec. 18, 1923.

Libby, McNeill & Libby, Chicago, Ill. Condensed and evaporated milk. 180,904; Mar. 11; Serial No. 185,370; published Jan. 1, 1924.

Lindeke, Warner, & Sons, Incorporated, St. Paul, Minn. Overalls. 181,118; Mar. 11; Serial No. 187,827; published Jan. 1, 1924.

Lloyd, E. E., Paper Company, Chicago, Ill. Writing paper. 181,076; Mar. 11; Serial No. 188,125; published Dec. 25, 1923.

Locke Regulator Co., Salem, Mass. Pressure-reducing valves and pump governors. 180,974; Mar. 11; Serial No. 177,789; published Dec. 18, 1923.

Lumen Bearing Company, Buffalo, N. Y. Bearing metal. 180,872; Mar. 11; Serial No. 186,959; published Dec. 25, 1923.

Mallott, Johnson Co., Chicago, Ill. Canned vegetables, fruits, and fish, fruit jellies, etc. 180,913; Mar. 11; Serial No. 185,026; published Dec. 25, 1923.

Mallott, Johnson Co., Chicago, Ill. Canned vegetables, fruits, and fish, fruit jellies, etc. 180,914; Mar. 11; Serial No. 185,025; published Dec. 25, 1923.

Marblehead Lime Company, Chicago, Ill. Hydrated lime. 180,902; Mar. 11; Serial No. 185,604; published Dec. 25, 1923.

Markel, Howard, New York, N. Y. Title for heading of newspaper column or article. 180,912; Mar. 11; Serial No. 185,223; published Dec. 25, 1923.

Marmite Food Extract Co. Ltd., London, England. Poultry food. 181,080; Mar. 11; Serial No. 183,581; published Dec. 25, 1923.

Maronik, Dannel, Detroit, Mich. Banana flour. 180,934; Mar. 11; Serial No. 185,979; published Dec. 25, 1923.

Marston, Dudley J., Amesbury, Mass. Baseball bats. 181,084; Mar. 11; Serial No. 183,658; published Dec. 25, 1923.

Master Reporting Co. Inc., The, Indianapolis, Ind. Covers or binders. 181,035; Mar. 11; Serial No. 141,682; published Dec. 25, 1923.

Mastin & Company, Inc., New York, N. Y. Treatment for rheumatism, kidney, liver, and bladder complaints. 180,960; Mar. 11; Serial No. 184,174; published Dec. 18, 1923.

Mastin & Company, Inc., New York, N. Y. Treatment for coughs, sore throat, etc. 180,962; Mar. 11; Serial No. 184,173; published Dec. 18, 1923.

Max Elb Gesellschaft mit beschränkter Haftung, Dresden, Germany. Perfumery, toilet preparations. 181,021; Mar. 11; Serial No. 166,176; published July 3, 1923.

McCall, A. E., doing business as McCall Cigar Company, Kansas City, Mo. Cigars. 180,871; Mar. 11; Serial No. 187,013; published Dec. 25, 1923.

McCallum Company, Inc., The, Pittsburgh, Pa. Glazing cement. 180,867; Mar. 11; Serial No. 186,918; published Dec. 25, 1923.

Menorah Food Products Co., Inc., New York, N. Y. Sesame oil. 181,067; Mar. 11; Serial No. 183,983; published Dec. 25, 1923.

Merrell-Soule Company, Syracuse, N. Y. Powdered skimmed milk. 181,001; Mar. 11; Serial No. 172,802; published Jan. 1, 1924.

Migel, J. A., Inc., North Bergen, N. J., and New York, N. Y. Silk piece goods. 181,186; Mar. 11.

Miller, Solomon S., Reading, Pa. Hosiery. 181,085; Mar. 11; Serial No. 187,950; published Jan. 1, 1924.

Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., piece goods. 181,152; Mar. 11; Serial No. 187,687; published Dec. 25, 1923.

Missouri Butter Company. (See Kammerer, William C.)

Mitcham Rubber Co. Ltd., The, London, England. Seamless dipped India-rubber goods. 181,143; Mar. 11; Serial No. 182,984; published Dec. 25, 1923.

Mittelstaedt, E., Inc., New York, N. Y. Padding for hair dressing. 181,119; Mar. 11; Serial No. 187,833; published Dec. 18, 1923.

Moran, Richard H., doing business as Acme Varnish Works, Brooklyn, N. Y. Varnishes, stains, paints, and paint enamels. 180,965; Mar. 11; Serial No. 183,846; published Dec. 25, 1923.

Motol Lubricants Corporation, New York, N. Y. Motor oil. 180,988–9; Mar. 11; Serial Nos. 187,336–7; published Dec. 25, 1923.

Mutual Orange Distributors, Redlands, Calif. Fresh citrous and deciduous fruits. 181,010; Mar. 11; Serial No. 168,060; published May 16, 1923.

Narbonne, Gardner H., doing business as Narbonne Ranch, Thermal, Calif. Fresh and dried dates. 180,952; Mar. 11; Serial No. 184,744; published Jan. 1, 1924.

National Macaroni Company, Dallas, Tex. Macaroni, spaghetti, vermicelli, etc. 181,095; Mar. 11; Serial No. 186,195; published Jan. 1, 1924.
National Save The Surface Campaign Committee, doing business as Save The Surface Campaign, Philadelphia, Pa. Paint and varnish monthly periodical publication. 181,068; Mar. 11; Serial No. 184,561; published Dec. 25, 1923.
Newbegin Fire Appliance Company, Los Angeles, Calif. Fire extinguishers. 181,032; Mar. 11; Serial No. 157,042; published Dec. 25, 1923.
New York Merchandise Company, New York, N. Y. Hand sewing needles. 181,078; Mar. 11; Serial No. 187,588; published Jan. 1, 1924.
Ney, J. M., Company, The, Hartford, Conn. Low-fusing metal alloy. 180,855; Mar. 11; Serial No. 187,479; published Dec. 25, 1923.
Nitram Manufacturing Co., The, East Orange, N. J., and New York, N. Y. Linen broom twine. 181,122; Mar. 11; Serial No. 187,875; published Dec. 25, 1923.
Northern Paper Mills, Green Bay, Wis. Toilet paper. 181,072; Mar. 11; Serial No. 184,357; published Dec. 25, 1923.
Northwest Fruit Products Company, Salem, Oreg. Canned fruits and berries. 180,903; Mar. 11; Serial No. 185,609; published Dec. 25, 1923.
Novak, Jerry, South Milwaukee, Wis. Knee rests. 181,150; Mar. 11; Serial No. 183,402; published Dec. 25, 1923.
Nunnally Company, The, Atlanta, Ga. Candies. 180,887; Mar. 11; Serial No. 177,109; published Oct. 16, 1923.
Ohio Instrument Mfg. Co., The, Cleveland, Ohio. Fire extinguishers and refill units for said extinguishers. 181,023; Mar. 11; Serial No. 162,194; published Dec. 25, 1923.
Ohio Valley Coffee Co., The, Portsmouth, Ohio. Coffee. 181,136; Mar. 11; Serial No. 180,770; published Dec. 25, 1923.
Old Virginia Peanut Brittle Co., Richmond, Va. Peanut brittle. 181,154; Mar. 11; Serial No. 187,691; published Jan. 1, 1924.
Omaha Paint and Glass Company, Omaha, Nebr. Paints. 181,038; Mar. 11; Serial No. 118,608; published Dec. 25, 1923.
Orange Mill Company, Inc., The, Coney Island, N. Y. Waffles. 181,125; Mar. 11; Serial No. 181,232; published Dec. 25, 1923.
Oregon Canning Company, Portland, Oreg. Canned fruits and berries. 180,990; Mar. 11; Serial No. 187,340; published Dec. 25, 1923.
Park, Grant & Morris, Fargo, N. Dak. Canned goods, macaroni, honey, etc. 181,185; Mar. 11.
Parker-Young Company, The, Boston, Mass. Folding tables. 181,094; Mar. 11; Serial No. 185,983; published Dec. 18, 1923.
Pederson Mercantile Company, The, Moorhead, Minn. Canned vegetables and fruits. 181,019; Mar. 11; Serial No. 164,943; published Jan. 1, 1924.
Pennsylvania Silverware Company, Kane Borough, Pa. Soda-fountain cooling and dispensing outfits. 180,847; Mar. 11; Serial No. 175,267; published Dec. 25, 1923.
Petersen & Pegau Baking Co., Omaha, Nebr. Bread. 180,929; Mar. 11; Serial No. 185,985; published Dec. 25, 1923.
Philippe, Louis, New York, N. Y. Liquid massage. 180,957; Mar. 11; Serial No. 184,260; published Dec. 18, 1923.
Photoplating Company, The, Minneapolis, Minn. Designs and photographs on glass, etc. 181,022; Mar. 11; Serial No. 166,535; published Dec. 25, 1923.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 181,144; Mar. 11; Serial No. 182,993; published Dec. 25, 1923.
Piroxloid Products Corporation, New York, N. Y. Chinese game played with pieces. 180,878; Mar. 11; Serial No. 186,751; published Dec. 25, 1923.
Pisner, Chas., doing business as Square Deal Market, Washington, D. C. Fresh and smoked meats, poultry, fresh fruits and vegetables. 180,849; Mar. 11; Serial No. 174,591; published Sept. 11, 1923.
Portage Wholesale Grocery Company, Portage, Wis. Canned vegetables and fruits, pancake flour, etc. 181,164; Mar. 11; Serial No. 186,666; published Dec. 25, 1923.
Powell, Bessie S., doing business as Beth Tantum, Los Angeles, Calif. Marmalade. 181,140; Mar. 11; Serial No. 183,500; published Dec. 25, 1923.
Powell, Wm., Co., The, Cincinnati, Ohio. Gate valves. 181,170; Mar. 11.
Powers Accounting Machine Corporation, New York, N. Y. Adding, listing, calculating, and bookkeeping machines. 181,009; Mar. 11; Serial No. 186,156; published Dec. 25, 1923.
Precision Adding Machine Company, Charlotte, N. C. Adding machines. 181,041; Mar. 11; Serial No. 184,984; published Dec. 25, 1923.
Priestley, B., & Co., Inc., New York, N. Y. Cloths and piece goods of woolen, worsted, etc. 180,922–3; Mar. 11; Serial Nos. 186,853–4; published Dec. 18, 1923.
Prins, Frank R., Corporation, The, New York, N. Y. Wheat flour. 181,081; Mar. 11; Serial No. 183,594; published Dec. 25, 1923.
Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Child's toy wagon. 181,007; Mar. 11; Serial No. 170,402; published Dec. 25, 1923.
Puritan Oil Corporation, St. Louis, Mo. Gasoline. 181,103; Mar. 11; Serial No. 186,291; published Dec. 25, 1923.
Q & C Company, The, New York, N. Y. Railway equipment. 180,983; Mar. 11; Serial No. 151,996; published Dec. 18, 1923.
R. J. S. Laboratory. (See Stowell, Raymond J.)
R. K. M. Manufacturing Co., Newark, N. J. Covered hook and eye tapes. 181,128; Mar. 11; Serial No. 181,411; published Dec. 18, 1923.
Rasch & Galsor, Baltimore, Md. Window-shade material, lace curtains, bedspreads, etc. 180,890; Mar. 11; Serial No. 185,888; published Dec. 25, 1923.
Rau Fastener Company, New York, N. Y. Snap fasteners. 181,046; Mar. 11; Serial No. 186,568; published Dec. 25, 1923.
Rawhide Products Distributing Co. (See Levin, Abraham I.)
Reid and Fort, Inc., Philadelphia, Pa. Men's outer, dress, and negligee shirts. 180,908; Mar. 11; Serial No. 185,496; published Jan. 1, 1924.
Reins & Meiss Company, The, Cincinnati, Ohio. Hosiery. 180,998; Mar. 11; Serial No. 187,128; published Jan. 1, 1924.
Reliance Ball Bearing Door Hanger Company, Brooklyn, N. Y. Door hangers, elevator door locks, and door slides. 181,014; Mar. 11; Serial No. 167,786; published Dec. 26, 1922.
Richmond Piston Ring Co., Richmond, Ind. Piston rings. 181,034; Mar. 11; Serial No. 134,088; published July 24, 1923.
Rick, James J., doing business as Health Food Distributing Company, New York, N. Y. Yeast extract. 180,870; Mar. 11; Serial No. 187,018; published Dec. 25, 1923.
Ridley Watts & Company, New York, N. Y. Cotton piece goods. 181,173; Mar. 11.
Ridley's, The Old Chambers Street Candy Manufactory, Long Island City, N. Y. Candies. 180,880; Mar. 11; Serial No. 179,055; published Jan. 1, 1924.
Riverside Paint & Varnish Company, Boston, Mass. Ready-mixed paints. 180,978; Mar. 11; Serial No. 164,196; published Feb. 27, 1923.
Rochelle Canneries, Inc., Rochelle, Ill. Canned vegetables. 180,986; Mar. 11; Serial No. 187,347; published Dec. 25, 1923.
Rollins Hosiery Mills, Des Moines, Iowa. Hosiery. 181,176; Mar. 11.
Romer Axe and Tool Company, Dunkirk, N. Y. Tools. 181,030; Mar. 11; Serial No. 155,070; published Apr. 17, 1923.
Rose, W. B., Chicago, Ill. Sunday-school publications. 180,874; Mar. 11; Serial No. 186,722; published Dec. 18, 1923.
Roubaix Mills, Inc., Clinton, Mass., and New York, N. Y. Piece goods made of wool. 180,856; Mar. 11; Serial No. 187,541; published Dec. 25, 1923.
Rowley, Alfred J., Toronto, Ontario, Canada. Concrete tiles and molds. 181,015; Mar. 11; Serial No. 167,925; published Dec. 18, 1923.
Rubenstein, Michael, Seattle, Wash. Fresh-egg noodles. 181,190; Mar. 11.
Salomon Stern Ltd. of America, New York, N. Y. Knitted scarfs, costumes, etc. and golf coats and jackets. 181,174; Mar. 11.
Santa Cruz Coast Vegetable Co., Santa Cruz, Calif. Fresh boxed artichokes. 180,991; Mar. 11; Serial No. 187,175; published Dec. 25, 1923.
Save The Surface Campaign. (See National Save The Surface Campaign Committee.)
Schafer Bakery, Inc., Savannah, Ga. Bread. 181,147; Mar. 11; Serial No. 183,319; published Dec. 25, 1923.
Schmidt & Ault Paper Co., York, Pa. Box board and wrapping paper. 181,141; Mar. 11; Serial No. 183,505; published Dec. 25, 1923.
Schneider, Maurice J., Los Angeles, Calif. Collars, shirts, pyjamas, etc. 181,135; Mar. 11; Serial No. 180,316; published Jan. 1, 1924.
Schoen & Yondorf Co. Inc., New York, N. Y. Dolls. 181,162–3; Mar. 11; Serial Nos. 186,675–6; published Dec. 25, 1923.
Schwab, Louis, doing business as Stevens & Co., New York, N. Y. Automotive mechanics' tools. 181,009; Mar. 11; Serial No. 168,905; published Dec. 25, 1923.
Scowcroft, John, & Sons Company, Ogden, Utah. Tea, shelled walnuts, vinegar, and tomato catchup. 181,113; Mar. 11; Serial No. 182,015; published Dec. 25, 1923.
Seidenberg, R. J., Company, Buffalo, N. Y. Cigars, cigarettes, cheroots, smoking tobacco. 180,882; Mar. 11; Serial No. 185,796; published Dec. 25, 1923.
Sexton, John, and Company, Chicago, Ill. Washing and scouring soap. 181,124; Mar. 11; Serial No. 187,899; published Dec. 25, 1923.
Shaw, J. G., doing business as J. G. Shaw Company, San Jose, Calif. Dried fruit. 181,156; Mar. 11; Serial No. 187,698; published Jan. 1, 1924.
Sheppard, George W., San Francisco, Calif. Parlor games. 181,057; Mar. 11; Serial No. 183,724; published Dec. 25, 1923.
Shinn, George H., Co., Inc., The, Philadelphia, Pa. Candy. 180,993; Mar. 11; Serial No. 187,268; published Dec. 25, 1923.
Siebenmorgen, Herman, Olney, Ill. Cigars. 180,866; Mar. 11; Serial No. 186,934; published Dec. 25, 1923.

Skoog, A. Emil, New York, N. Y. Checks, bonds, securities, writing and printing paper. 181,155; Mar. 11; Serial No. 186,618; published Dec. 25, 1923.
Société Anonyme d'Ougrée Marihaye, Ougree, near Liege, Belgium. Hammered and rolled steels. 180,979; Mar. 11; Serial No. 167,501; published Dec. 18, 1923.
Société Anonyme d'Ougrée Marihaye, Ougree, near Liege, Belgium. Steel rails. 180,980; Mar. 11; Serial No. 167,502; published Dec. 18, 1923.
Softley, Edward W., Butte, Mont. Liquid polishing preparation for automobiles, pianos, etc. 180,917; Mar. 11; Serial No. 186,969; published Dec. 25, 1923.
Southern Illinois Milling Company, Murphysboro, Ill. Wheat flour. 181,054; Mar. 11; Serial No. 183,779; published Dec. 25, 1923.
Southwestern Milling Company Inc., The, New York, N. Y. Wheat flour. 180,905; Mar. 11; Serial No. 185,384; published Dec. 25, 1923.
Sparks Milling Company, Terre Haute, Ind. Wheat flour. 180,906; Mar. 11; Serial No. 185,385; published Dec. 25, 1923.
Special Paper Mfg. Co., New York, N. Y. Prepared tracing paper. 181,091; Mar. 11; Serial No. 186,029; published Dec. 25, 1923.
Specialty Manufacturing Company. (See Ansell, Alexander A.)
Spectro-Electronic Foundation, New York, N. Y. Electronic therapeutic apparatus for the treatment of various diseases. 180,918; Mar. 11; Serial No. 187,009; published Dec. 25, 1923.
Springbrook Canning Company, Springbrook, Oreg. Canned fruits, berries, and vegetables. 180,941; Mar. 11; Serial No. 185,056; published Jan. 1, 1924.
Square Deal Market. (See Pisner, Chas.)
Star Chick Hatchery, Washington Township, Osage County, and Westphalia, Mo. Baby chicks and eggs. 180,889; Mar. 11; Serial No. 176,508; published Dec. 11, 1923.
Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 181,105; Mar. 11; Serial No. 186,254; published Dec. 18, 1923.
Stetson Shirt Co. Inc., New York, N. Y. Men's shirts. 181,189; Mar. 11.
Stevens & Co. (See Schwab, Louis.)
Stickney & Poor Spice Co., Boston, Mass. Prepared mustard. 181,145; Mar. 11; Serial No. 183,174; published Jan. 1, 1924.
Stock, Mitchell B., doing business as Mitchell B. Stock Company, New Haven, Conn. Candy and cakes. 180,937; Mar. 11; Serial No. 185,233; published Dec. 25, 1923.
Stowe, Geo. M., jr., Buffalo, N. Y. Spraying devices for paint, sand, and cleaning solutions. 181,098; Mar. 11; Serial No. 186,165; published Dec. 25, 1923.
Stowell, Raymond J., doing business as R. J. S. Laboratory, Chicago, Ill. Creams, hair tonics, vegetables, powders, perfumes, toilet waters, hair dressings, bay rum. 181,180; Mar. 11.
Sturdy Manufacturing Company, The, Stroudsburg, Pa. Bathroom fixtures, kitchen furniture and fixtures, etc. 181,194; Mar. 11.
Sunnyside Milling Co., Evansville, Ind. Wheat flour. 181,058; Mar. 11; Serial No. 183,677; published Dec. 25, 1923.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Field and opera glasses. 180,851; Mar. 11; Serial No. 187,547; published Dec. 25, 1923.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Field and opera glasses. 180,857; Mar. 11; Serial No. 187,546; published Dec. 25, 1923.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Field and opera glasses. 181,160; Mar. 11; Serial No. 187,548; published Dec. 25, 1923.
Swanston, C., & Son, Sacramento, Calif. Smoked meats, boiled ham, and lard. 180,985; Mar. 11; Serial No. 187,394; published Dec. 25, 1923.
Sykes, William, Limited, Horbury, London, England. Footballs, basket, soccer, and punching balls. 180,948; Mar. 11; Serial No. 184,805; published Dec. 25, 1923.
Tanner-Gross, W. P., & Co., Inc., New York, N. Y. Semolina made of durum wheat. 181,082; Mar. 11; Serial No. 183,609; published Dec. 25, 1923.
Tantum, Beth. (See Powell, Bessie S.)
Taylor Candy Company, Newark, N. J. Peanut bar. 181,090; Mar. 11; Serial No. 186,034; published Dec. 25, 1923.
Teiulah Petralyke Company, Appleton, Wis. Visors for vehicles. 181,127; Mar. 11; Serial No. 181,357; published Dec. 25, 1923.
Texas Distributing Company, Dallas, Tex. Sweet potatoes. 180,954; Mar. 11; Serial No. 184,627; published Dec. 25, 1923.
Thatcher, H. D., & Company, Inc., Potsdam, N. Y. Butter and cheese coloring. 180,961; Mar. 11; Serial No. 184,192; published Dec. 18, 1923.
Tobrin Tool Company, The, Plantsville, Conn. Cold chisels, pipe wrenches, and screw drivers. 180,981; Mar. 11; Serial No. 187,885; published Dec. 18, 1923.
Toch Brothers, New York, N. Y. Ready-mixed paints, varnishes, and enamel paints. 181,027; Mar. 11; Serial No. 161,594; published Dec. 25, 1923.
Tongue-Tyer Clip Co., The, Bristol, Conn. Clips. 181,086; Mar. 11; Serial No. 187,970; published Dec. 25, 1923.
Transloid Products Co., The, Danbury, Conn. Transparent and translucent sheets having a gelatin or casein base. 180,938; Mar. 11; Serial No. 185,268; published Dec. 25, 1923.
Turner & Walls, New York, N. Y. All-cotton, or silk and cotton, or silk and wool piece goods. 181,104; Mar. 11; Serial No. 186,257; published Dec. 18, 1923.
Tuttle, William S., doing business as Tuttle Law Print, Rutland, Vt. Filing envelopes and manuscript covers. 181,145; Mar. 11; Serial No. 183,324; published Dec. 25, 1923.
Tsifakis, Andrew E., doing business as The Hermo Products Company, New York, N. Y. Castile soap. 181,157; Mar. 11; Serial No. 187,701; published Dec. 25, 1923.
United Sanitary Products Company Inc., New York, N. Y. Liquid soap. 180,853; Mar. 11; Serial No. 174,497; published Dec. 18, 1923.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 181,102; Mar. 11; Serial No. 186,206; published Dec. 25, 1923.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 181,116; Mar. 11; Serial No. 187,704; published Dec. 25, 1923.
Unity Manufacturing Co., Los Angeles, Calif. Tea, coffee, spices, and food-flavoring extracts. 180,944; Mar. 11; Serial No. 184,879; published Jan. 1, 1924.
Unity Manufacturing Co., Los Angeles, Calif. Tea, coffee, spices, and food-flavoring extracts. 180,950; Mar. 11; Serial No. 184,878; published Jan. 1, 1924.
Vaughan, Edythe E., Bartow, Fla. Medicine for eczema, pyorrhea, and mange. 180,955; Mar. 11; Serial No. 184,196; published Dec. 18, 1923.
Vegetable Oil Products Company, Philadelphia, Pa. Vegetable oils for food purposes. 180,877; Mar. 11; Serial No. 186,765; published Jan. 1, 1924.
Virginian Tire & Rubber Company, St. Albans, W. Va. Pneumatic tires. 181,100; Mar. 11; Serial No. 186,092; published Dec. 25, 1923.
Vitomen Cereal Company, Tacoma, Wash. Breakfast cereal. 181,079; Mar. 11; Serial No. 182,025; published Dec. 25, 1923.
Voss & Stern, New York, N. Y. Silk and cotton mixture goods and cotton piece goods. 180,879; Mar. 11; Serial No. 177,938; published Dec. 18, 1923.
Voss & Stern, New York, N. Y. Silk piece goods. 180,885; Mar. 11; Serial No. 177,933; published Dec. 18, 1923.
Voss & Stern, New York, N. Y. Silk, cotton, silk and cotton, etc., piece goods. 181,066; Mar. 11; Serial No. 184,045; published Dec. 18, 1923.
Vulcanized Rubber Company, The, Portland, Me., and New York, N. Y. Rubber combs. 181,020; Mar. 11; Serial No. 165,613; published Nov. 7, 1922.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Soaps. 181,123; Mar. 11; Serial No. 187,892; published Dec. 25, 1923.
Ward Baking Company, New York, N. Y. Bread. 180,891; Mar. 11; Serial No. 185,735; published Dec. 25, 1923.
Ward Baking Company, New York, N. Y. Bread. 180,907; Mar. 11; Serial No. 185,303; published Dec. 25, 1923.
Ward Baking Company, New York, N. Y. Bread and cake. 180,933; Mar. 11; Serial No. 185,736; published Dec. 25, 1923.
Ward Baking Company, New York, N. Y. Cakes. 181,069–70; Mar. 11; Serial Nos. 184,531–2; published Dec. 25, 1923.
Ward, R. B., & Co., Inc., Los Angeles, Calif. Cake. 180,927; Mar. 11; Serial No. 186,400; published Dec. 25, 1923.
Wazu Novelty Company, The, New York, N. Y. Dolls, puzzles, games, etc. 181,002; Mar. 11; Serial No. 172,921; published Dec. 25, 1923.
Weber Costello Co., Chicago Heights, Ill. Blackboards and blackboard stands. 181,115; Mar. 11; Serial No. 182,193; published Dec. 25, 1923.
Weinheimer, Frederick, Buffalo, N. Y. Package outfits containing materials to be embroidered and the necessary amount of silk or cotton for same. 181,097; Mar. 11; Serial No. 186,172; published Jan. 1, 1924.
Wellar and Adams, Ithaca, N. Y. Passbooks and blank form cards. 180,940; Mar. 11; Serial No. 184,999; published Dec. 25, 1923.
Whitsitt, Sarah G., doing business as Bestyett Food Company, Fort Worth, Tex. Salad dressing. 181,083; Mar. 11; Serial No. 183,616; published Oct. 30, 1923.
Whiz Co., The. (See Jones, Vess.)
Wilison Goggles, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 180,939; Mar. 11; Serial No. 185,276; published Dec. 25, 1923.
Willys-Overland Company, The, Toledo, Ohio. Passenger-carrying automobiles. 180,897; Mar. 11; Serial No. 185,946; published Dec. 25, 1923.
Winter, R., Limited, Birmingham, England. Flour, bread, biscuits, and cake. 180,909; Mar. 11; Serial No. 185,325; published Dec. 25, 1923.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. 181,142; Mar. 11; Serial No. 182,880; published Dec. 25, 1923.
Wright, M. S., Company, Worcester, Mass. Mop or wiping member for attachment to a vacuum-cleaner nozzle. 180,845–6; Mar. 11; Serial Nos. 175,175–6; published Dec. 25, 1923.

Wuest, Adam, Cincinnati, Ohio. Box springs and mattresses. 181,158; Mar. 11; Serial No. 187,598; published Dec. 18, 1923.

Wyman, Partridge & Co., Minneapolis, Minn. Yarn. 181,031; Mar. 11; Serial No. 156,207; published Apr. 3, 1923.

Wyman, Partridge & Co., Minneapolis, Minn. Bloomers. 181,192; Mar. 11.

Yakima Candy Co., Yakima, Wash. Candies, candy bars, salted nuts, and nut bars. 181,003; Mar. 11; Serial No. 174,226; published Jan. 1, 1924.

Young, Frederick H., doing business as Frederick H. Young & Co., Toledo, Ohio. Soaps. 181,039; Mar. 11; Serial No. 162,090; published Aug. 15, 1922.

Zichello, Filippo, New York, N. Y. Olive oil and macaroni. 181,096; Mar. 11; Serial No. 186,174; published Dec. 25, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Beck and Belsief. (See Belsief, Michael G.)

Belsief, Michael G., doing business as Beck and Belsief, New York, N. Y. Planet Handkerchiefs. For Handkerchiefs. 27,059; Mar. 11.

Bendick, Sidney S., doing business as The Trancilla Co., New York, N. Y. Trancilla The Economy Transfer Pattern. For Envelopes Containing Transfer Patterns. 27,056; Mar. 11.

Borini, Henry L., Brooklyn, N. Y. B. B. B. Mite Exterminator. For Insect Powder. 27,057; Mar. 11.

Bozeman Canning Co., Bozeman, Mont. B-K. For Canned Peas. 27,058; Mar. 11.

Caucasian Import and Trading Corporation, New York, N. Y. Petrovsk Brand Genuine Russian Caviar. For Russian Caviar. 27,059–60; Mar. 11.

Cohen Bros. Mfg. Co. Inc., New York, N. Y. Fairyland. For Infants' Knitted Goods. 27,061; Mar. 11.

Holmes, W. Olmsted, doing business as Holmes Laboratories, Asbury Park, N. J. Silvo Plate. For Silver Polish and Plate. 27,062; Mar. 11.

Jefferson City Baking Company. (See Menasha Printing and Carton Company, assignor.)

Loveless, S. E., Inc., Philadelphia, Pa. Rista Bread. For Bread. 27,063; Mar. 11.

Manbeck Baking Company, Lemoyne, Pa. Sweet Loaf. For Bread Wrappers. 27,064; Mar. 11.

Manbeck Baking Company, Lemoyne, Pa. Lily White. For Bread Wrappers. 27,065; Mar. 11.

Maple City Dairy Company. (See Menasha Printing and Carton Company, assignor.)

Menasha Printing and Carton Company, Menasha, Wis., assignor to Jefferson City Baking Company, Jefferson City, Mo. Quaker Bread. For Wrappers for Bread. 27,066; Mar. 11.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Maple City Dairy Company, Albion, Mich. St. Clair Butter. For Cartons Containing Butter. 27,067; Mar. 11.

Milton Co., The, Providence, R. I. Milto Maid. For Cotton, Linen, Silk, and Woolen Piece Goods. 27,068; Mar. 11.

Missouri Cone Company unincorporated. (See Richardson Company, assignor.)

Premier Cab Service, Inc., New York, N. Y. Premier The Taxicab of Distinction. For Taxicabs. 27,069; Mar. 11.

Putney, Stephen, Shoe Company, Richmond, Va. Putney Walkeasy Shoe. For Leather Shoes. 27,075; Mar. 11.

Renu Manufacturing Company, Newport, Ky. Easy-Shine Auto Polish. For Cans of Polish. 27,070; Mar. 11.

Richardson Company, The, Lockland, Ohio, assignee to Missouri Cone Company, Unincorporated, St. Louis, Mo. Mo Co Cake Cones. For Cartons for Ice-Cream Cones. 27071; Mar. 11.

Riddo Products Company, Inc., Brooklyn, N. Y. Riddo Baby Napkins. For Baby Napkins. 27,072; Mar. 11.

Sally Middy Co. Inc., New York, N. Y. Tope Them All. For Packages Containing Middies, Knickers, and Gymnasium Apparel. 27,073; Mar. 11.

Southern Food Products Company, Chickamauga, Ga. Chinkapin. For Creamery Butter. 27,074; Mar. 11.

Toledo Chewing Gum Company, The, Toledo, Ohio. Superior Brand Spearmint Chewing Gum. For Chewing Gum. 27,076 Mar. 11.

Trancilla Co., The. (See Bendick, Sidney S.)

Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Dream of the Desert. For Talcum. 27,077; Mar. 11.

Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. California (Fleurs d'Ouest). For Talcum. 27,078; Mar. 11.

White Company, The, Cleveland, Ohio. White Service Station. For Cartons Having the Appearance of a Garage, Containing Toy Vehicles. 27,079; Mar. 11.

Woodman, H. C., D. M. D., Portland, Me. Dr. Woodman's Perfection Paste. For Tooth Paste for Artificial Teeth. 27,080; Mar. 11.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Arch Crown Mfg. Co., Newark, N. J. Mother's Ring. For Rings Made from Precious Metal. 7,244; Mar. 11.

Cream of Wheat Co., Minneapolis, Minn. A newly realized danger to growing boys and girls—mental fatigue! For Wheat Breakfast Food. 7,245; Mar. 11.

Heger Products Co., The, St. Paul, Minn. The Heger Products Co. For Preparations for Dogs. 7,246; Mar. 11.

Mitchell, Frank P., Battle Creek, Mich. Fen-o-lax Gum Aromatic Laxative Chewing Gum. For Chewing Gum. 7,247; Mar. 11.

Pabst Corporation, Milwaukee, Wis. Pabst. For Cheese. 7,248; Mar. 11.

Pigua Straw Board Co., Akron, Ohio. Protect your brand on the pantry shelf by using round Fibre Cans! For Containers. 7,249; Mar. 11.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ackerman & Rosenthal, Inc., Wilmington, Del., and St. Louis, Mo. Ladies' hats. 190,664; Mar. 11.

Adirondack Spruce Products Assn., Poland, N. Y. Chewing gum. 189,877; Mar. 11.

Amendola Brothers, New Haven, Conn. Hair-dressing preparation. 190,289; Mar. 11.

American Dyewood Company, New York, N. Y. Hematine crystals. 175,180; Mar. 11.

American Mason Safety Tread Company, Lowell, Mass. Stair treads, ramp tops, thresholds, ladder shoes, etc. 191,249; Mar. 11.

American Mills Company, Atlanta, Ga. Textile fabrics. 189,291; Mar. 11.

American Printing Company, doing business as M. C. D. Borden & Sons, Fall River, Mass. Cotton piece goods. 187,190–1; Mar. 11.

Anglo-American Industrial & Com. Co., New York, N. Y. Table sauce. 181,331; Mar. 11.

Artsilk Knitting Mills, West New York, N. J. Knitted pile fabrics. 188,785; Mar. 11.

Art Wire and Stamping Company, Arlington, N. J. Safety pins. 191,251–2; Mar. 11.

Assets Producing Company, doing business as Atlantic-Pacific Paint Works, Chicago, Ill. Ready-mixed paints, varnishes, paint enamels, etc. 179,920; Mar. 11.

Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Wire hairpins and hand sewing needles. 189,231; Mar. 11.

Atlantic-Pacific Paint Works. (See Assets Producing Company.)

Auburn Ash Coal Company, Linton, Ind. Coal. 189,928; Mar. 11.

Autorobe Trunk Co. (See Seward Trunk and Bag Company.)

Bacorn, Garrett E., doing business as The Delicatex Company, New York, N. Y. Skin and complexion balm, cream, or lotion. 184,783; Mar. 11.

Bamberger, L., & Co., Newark, N. J. Girdle corsets. 190,827; Mar. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Basilo, Max, doing business as Warsawer Sausage Mfg. Co., Cleveland, Ohio. Kosher sausage, bologna, smoked meats, etc. 189,149; Mar. 11.

Bee Line Manufacturing Company, The. (See Winer, Alex.)

Bell Chemical Co., Chicago, Ill. Cleaning fluid, white canvas and kid cleaner. 190,087; Mar. 11.

Belt, Fred R., Company, Chicago, Ill. Miners' lamps. 190,003; Mar. 11.

Berg Brothers, Inc., New York, N. Y. Dolls. 191,216; Mar. 11.

Bernard, R. L., Mountain View, Calif. Chocolate candy. 188,822; Mar. 11.

Bee-Cone Company, The, Baltimore, Md. Ice-cream cones. 190,667; Mar. 11.

Blacker, D. C., doing business as D. C. Blacker, Indianapolis, Ind. Canned beans and chile con carne. 182,199; Mar. 11.

Bleeden-Dun Company, Chicago, Ill. Electromedical apparatus. 171,784; Mar. 11.

Bolden, A. M., New Castle, Pa. Medicinal preparation for tuberculosis and stomach troubles. 190,716; Mar. 11.

Borden, M. C. D., & Sons. (See American Printing Company.)

Braecklein & Braecklein, doing business as Ideal Tourniquet Co., Baltimore, Md. Tourniquets. 188,523; Mar. 11.

Braemoor Coat Company, Inc., New York, N. Y. Coats. 189,656; Mar. 11.

British Cellulose and Chemical Manufacturing Company Limited, London, England (now by change of name British Celanese Limited). Sheets, bands, films, etc., made of cellulose derivatives. 173,166; Mar. 11.

Brown, Herman R., Lewiston, Me. Healing and stimulating antiseptic for treatment of pyorrhea, etc., and tooth powder. 190,762; Mar. 11.

Campbell, M. R., Inc., Tallahoma, Tenn. Baseball bats. 191,001; Mar. 11.

Canadian Independent Oil, Limited, East St. John, near Brunswick, Canada. Motor oils and lubricants. 188,625; Mar. 11.

Carlyle-Labold Co., The, Portsmouth, Ohio. Building brick. 191,164; Mar. 11.

Caron Corporation, New York, N. Y. Perfume, toilet water, face powder, etc. 190,768; Mar. 11.

Caron Corporation, New York, N. Y. Face powder. 190,769; Mar. 11.

Caron Corporation, New York, N. Y. Perfume, toilet water, face powder, etc. 190,868; Mar. 11.

Caron Corporation, New York, N. Y. Face powder. 190,869; Mar. 11.

Caron Corporation, New York, N. Y. Perfume, toilet water, face powder, etc. 190,870; Mar. 11.

Cassetty Oil and Grease Co., Nashville, Tenn. Cream-separator oil, axle grease, and lubricating oil. 175,184; Mar. 11.

Cedaredge Fruit Company, The, Cedaredge, Colo. Fresh deciduous fruits. 191,056; Mar. 11.

Chicago Commercial & Specialty Co. (See Leventhal, Myer.)

Cohen, N. B., & Bro., Scranton, Pa. Hair nets. 189,709; Mar. 11.

Collins & Staples, Haverhill, Mass. Sandals made of leather. 189,933; Mar. 11.

Colloidal Laboratories. (See Novack, Harry J.)

Colorfast Shirt Co. Inc., New York, N. Y. Shirts. 189,806; Mar. 11.

Combs, Roy E., Des Moines, Iowa. Smoking pipes. 191,057; Mar. 11.

Conner, Guy W., Medford, Oreg. Fresh deciduous fruits. 183,253; Mar. 11.

Continental Paper & Bag Mills, New York, N. Y. Paper products. 191,169; Mar. 11.

Crosby-Wartmann Packing Co., Citra, Fla. Fresh citrous fruits. 186,588; Mar. 11.

D. W. M. Arms & Ammunition Corporation, New York, N. Y. Pistols, rifles, and ammunition. 191,368; Mar. 11.

Davis, H. B., Company, The, Baltimore, Md. Ready-mixed paint. 191,260–1; Mar. 11.

De Haven, Hugh, San Francisco, Calif. Shaving mirrors. 188,045; Mar. 11.

Delicatex Company, The. (See Bacorn, Garrett E.)

Deutsch, Abraham, doing business as Re-Lax Co., Brooklyn, N. Y. Laxative preparation. 188,537; Mar. 11.

Diamond Tape Mill. (See Lasher, Selig.)

Donaldson, L. S., Company, Minneapolis, Minn. Hosiery. 189,040; Mar. 11.

Durable Products Company, The, Cleveland, Ohio. Coating for pipes, tanks, cans, and metal surfaces. 189,493; Mar. 11.

Easterbrook Coal Company, The, Cleveland, Ohio. Coal. 191,378; Mar. 11.

Eastern Manufacturing Company, Bangor, Me. Paper and mailing envelopes. 191,171; Mar. 11.

Ecco Company. (See Keller, Karl.)

Eck, John M., New York, N. Y. External application for blood poison, rheumatism, etc. 181,517; Mar. 11.

Economic Hand-Saw Company, The, Central Falls, R. I. Handsaws. 185,178; Mar. 11.

Electric Parts Corporation, Syracuse, N. Y. Antiskid automobile chain tightener. 190,404; Mar. 11.

Enegiotaria Medicine Co., Inc., New York, N. Y. Laxatives and purgatives. 190,244; Mar. 11.

Entwisle, S. I., New York, N. Y. Hosiery. 192,060; Mar. 11.

Epstein, Isaac J., doing business as Epstein Drug Co., San Francisco, Calif. Medicinal preparations. 186,423; Mar. 11.

Erminger, D. B., Chicago, Ill. Chocolate-covered raisins and candy. 191,374; Mar. 11.

Euro-Shirt Co. Inc., The, Louisville, Ky. Dress, negligee, and work shirts. 189,102; Mar. 11.

Evelyn's, Mary, Cake Kitchen. (See Jones, Mary E.)

Fain Knitting Mills, Inc., New York, N. Y. Sweaters and sweater coats. 190,156; Mar. 11.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Chemical product to be used in dyeing and printing. 190,774; Mar. 11.

Farnum, John, Co., Philadelphia, Pa. Cotton piece goods. 186,469; Mar. 11.

Fashionlere, Inc., New York, N. Y. Brassieres. 190,192; Mar. 11.

Faultless Rubber Company, The, Ashland, Ohio. Nursing nipples. 189,804; Mar. 11.

Faultless Rubber Company, The, Ashland, Ohio. Water bottles, baby comforters, breast pumps, etc. 189,453; Mar. 11.

Fessenden, B. & A. D., Co., Townsend, Mass. Wooden barrels. 189,496; Mar. 11.

Folly Town Company, The. (See Universal Theatres Concession Co.)

Franck, Heinr., Sons, Inc., Flushing, N. Y. Pea flour, whole dried peas and split peas, dried beans, etc. 189,243; Mar. 11.

Franco-Belgian Marble Co., Inc., New York, N. Y. Blue Belgian building marble. 185,216; Mar. 11.

Franco-Belgian Marble Co., Inc., New York, N. Y. Black construction marble. 185,217; Mar. 11.

Franco Corset Co., Inc., New York, N. Y. Girdles. 190,540; Mar. 11.

Fromm, Frank H., doing business as F. H. Fromm & Co., Philadelphia, Pa. Safety matches. 191,310; Mar. 11.

Gamble, Fred O., Memphis, Tenn. Veneer and cut lumber. 173,291; Mar. 11.

Gardner, Percy Corporation, The, Newark, N. J. Bias tape. 191,036; Mar. 11.

Garlock Packing Company, The, Palmyra, N. Y. Packing and packing material. 189,774; Mar. 11.

Gerber & Co. A. G., Thoune, Switzerland. Cheese. 189,499; Mar. 11.

Gerrard, Virgil M., Los Angeles, Calif. Fresh vegetables and cantaloupes. 184,610; Mar. 11.

Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Grinding machines. 191,072; Mar. 11.

Glemby's, S., Sons Co., Inc., New York, N. Y. Cold and almond cream, face powder, rouge, etc. 187,578; Mar. 11.

Goetz, Frank, Bakery Company, The, New Haven, Conn. Prepared milk food beverage. 186,638; Mar. 11.

Goodnow, Harold W., doing business as The Home Supply Company, Denver, Colo. Chemical composition for cleaning and polishing brass, etc., which has incidental replating qualities. 186,704; Mar. 11.

Gorham Specialty Co. (See Savage, Ariel D.)

Gottfried, H., Inc., New York, N. Y. Neckties, cravats, and scarfs. 189,616; Mar. 11.

Governor Fastener Company, The, New York, N. Y. Elastic bands used in the manufacture of neckties. 189,401; Mar. 11.

Grayson & Dressel Mfg. Co., Inc., Ashland, Ky. Gas heaters. 190,052; Mar. 11.

Guernsey, Jane, San Jose, Calif. Facial packs. 187,458; Mar. 11.

Gulden, Charles, Inc., New York, N. Y. Salad dressing. 187,674–5; Mar. 11.

Gypsy Ointment Company. (See Imker, Henry.)

Hampson Brothers, Inc., Baltimore, Md. Hosiery. 190,966; Mar. 11.

Harris, Solomon J., doing business as Solar Products Co., New York, N. Y. Plastic asphalt asbestos roofing. 188,677; Mar. 11.

Heddon's, James, Sons, Dowagiac, Mich. Fish baits and lures, fishing rods, and hooks, etc. 162,112; Mar. 11.

Henderson, Wm. C., Baltimore, Md. Beverages sold as soft drinks. 181,890; Mar. 11.

Hengsback, Henry J., Springfield Gardens, N. Y. Enamels, lacquers, japans, paints, and varnishes, etc. 189,563; Mar. 11.

Hill, Richard, & Co. Limited, Middlesbrough, England. Bars, ropes, strips, helices, etc., used in concrete construction. 185,967; Mar. 11.

Hillison, Louis, doing business as The Hillison Company, Boston, Mass. Table game played with pieces similar to dominoes. 184,132; Mar. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hillyard, Newton S., doing business as Hillyard Chemical Company, St. Joseph, Mo. Furniture-cleansing compound with incidental polishing properties. 180,601; Mar. 11.

Hirsh, B. W., jr., doing business as The Hirsh Manufacturing Co., Memphis, Tenn. Insecticides. 189,898; Mar. 11.

Home Appliance Mfg. Co., Camden, N. J. Electrically-operating pressing appliances. 186,955; Mar. 11.

Home Supply Company, The. (See Goodnow, Harold W.)

Hulsh, Benjamin M., doing business as Trojan Products & Mfg. Co., Chicago, Ill. Polishes for automobiles, furniture, etc. 189,313; Mar. 11.

Hursley, Frank B., doing business as The Sanacuba Company, Detroit, Mich. Kidney and bladder preparation. 191,586; Mar. 11.

Ideal Tourniquet Co. (See Braecklein & Braecklein.)

Illinois Glass Company, Alton, Ill. Glass bottles. 188,592; Mar. 11.

Imker, Henry, doing business as Gypsy Ointment Company, Saginaw, Mich. Ointment for eczema, chapped hands, etc. 159,204; Mar. 11.

Imperial Perfumery and Barber's Supplies, Inc., New York, N. Y. Hair tonics, face creams, shampoos, etc. 172,383; Mar. 11.

Independent Wall Paper Company, Pittsburgh, Pa. Wall paper. 183,153; Mar. 11.

Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Air compressors and pumps. 191,267; Mar. 11.

International Shoe Company, St. Louis, Mo. Felt shoes and slippers. 189,977; Mar. 11.

Isaacs, Mark, Jacksonville, Fla. Medicinal preparation for the treatment of biliousness, colds, etc. 187,217; Mar. 11.

Jansen & Pretzfelder, Inc., New York, N. Y. Silks in the piece. 187,219; Mar. 11.

Jelenko, J. F., & Co., New York, N. Y. Dental golds. 191,321; Mar. 11.

Jenkins Vulcan Spring Co., Richmond, Ind. Supplementary springs for vehicles. 169,714; Mar. 11.

Jerwan, Shakir S., doing business as S. S. Jerwan, New York, N. Y. Milk drink. 170,248; Mar. 11.

Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Varnish. 190,206; Mar. 11.

Jones, John H. W., New York, N. Y. Paper. 187,466; Mar. 11.

Jones, Herbert C., doing business as Jones Seed and Milling Company, Wichita, Kans. Breakfast cereal food. 188,051; Mar. 11.

Jones, Mary E., doing business as Mary Evelyn's Cake Kitchen, Long Island City, N. Y. Cake. 177,440; Mar. 11.

Julian, Benjamin F., doing business as Marshfield Supply Co., Marshfield, Mo. Canned vegetables. 190,099; Mar. 11.

Junie Chemical Company, Brooklyn, N. Y. Paint and varnish remover. 190,254; Mar. 11.

Kaiser, Barnard, Seattle, Wash. Preparation for the treatment of eczema and scabies. 181,528; Mar. 11.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 189,626; Mar. 11.

Kearney & Foot Company, Paterson, N. J. Files and rasps. 190,884; Mar. 11.

Keller, Karl, doing business as Ecco Company, Hoboken, N. J. Drawing instruments. 189,724; Mar. 11.

Kelly, Martha R., doing business as Killarney Laboratories, Laredo, Tex. Face clay, cold cream, and hand lotion. 190,841; Mar. 11.

Kelp-Ol Company, Los Angeles, Calif. Preparation for the treatment of constipation. 188,370; Mar. 11.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. 189,250; Mar. 11.

Killarney Laboratories. (See Kelly, Martha R.)

King Candy Co., Fort Worth, Tex. Candy. 191,324; Mar. 11.

Kitzinger, Harry, & Co., New York, N. Y. Women's wearing apparel. 190,931; Mar. 11.

Klawans, Harry H., Chicago, Ill. Scrubbing and polishing mops and roving prepared therefor. 189,413; Mar. 11.

Knothe Brothers Co., Inc., New York, N. Y. Garters. 190,100; Mar. 11.

Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis, Budweis, Czechoslovakia. Writing pencils. 189,795; Mar. 11.

Kops Bros. Inc., New York, N. Y. Elastic webbing. 190,545; Mar. 11.

Kranz, Florence M., Chicago, Ill. Candies. 189,462; Mar. 11.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Dry base for wall coating. 190,104; Mar. 11.

La Camera, Leopoldo, Brooklyn, N. Y. Medicinal preparations. 187,629; Mar. 11.

Larkin Co. Inc., Buffalo, N. Y. Rubefacient or counter-irritant salves or ointments. 190,257; Mar. 11.

Larkin Co. Inc., Buffalo, N. Y. Dye soaps. 190,258; Mar. 11.

Lasher, Selig, doing business as Diamond Tape Mill, New York, N. Y. Tapes and braids. 188,684; Mar. 11.

Lee, Marion, Pharmacal Company, Chicago, Ill. General tonic, a blood builder, and appetizer. 189,981; Mar. 11.

Leschin, F. Z., New York, N. Y. Ladies' hats. 185,083; Mar. 11.

Leventhal, Myer, doing business as Chicago Commercial & Specialty Co., New York, N. Y. Clay cigar moistener. 191,545; Mar. 11.

Lewis, Mason V., Wilmore, Ky. Medicinal preparation for treatment of asthma, etc. 176,841; Mar. 11.

Lewis, Samuel, New York, N. Y. Floor and steel wire brooms, combination brushes, hand dusters, etc. 187,749; Mar. 11.

Lichtentag, Ruth, doing business as Paris Laboratories, New York, N. Y. Face and talcum powders. 189,982; Mar. 11.

Lithoprintex Corporation, New York, N. Y. Photomechanical machines for transferring or reproducing designs. 190,694; Mar. 11.

Loesch Bros., Oldham, S. Dak. Antiseptic compounds. 190,843; Mar. 11.

Lovegrove, Thomas G., Philadelphia, Pa. Magnetic razor-blade sharpeners. 186,917; Mar. 11.

Luft, George W., Company, Inc., The, Long Island City, N. Y. Toilet preparations. 177,748; Mar. 11.

MacKellar's, R., Sons, Company, Peekskill, N. Y. Charcoal, charcoal sticks and blocks. 176,487; Mar. 11.

Marshfield Supply Co. (See Julian, Benjamin F.)

Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 189,323; Mar. 11.

Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade pulls. 189,327; Mar. 11.

Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade tassels. 189,329–30; Mar. 11.

Maurer, F. W., & Sons Co., Philadelphia, Pa. Shade pulls. 189,331; Mar. 11.

Maurer, Harry, doing business as Novelty Undergarment Co., New York, N. Y. Women's and girls' undergarments. 190,892; Mar. 11.

May Department Stores Company, The, St. Louis, Mo. Cambric tape. 190,798; Mar. 11.

McArthur, Mary J., Cleveland, Ohio. Window boxes. 188,270; Mar. 11.

McClure, C. W., Atlanta, Ga. Crockery, china, earthenware, pottery. 182,164; Mar. 11.

McDougall-Butler Co., Inc., Buffalo, N. Y. Varnishes. 191,180; Mar. 11.

McGrath, James J., Chicago, Ill. Candies. 191,390; Mar. 11.

Mebane Cotton Breeding Association, Lockhart, Tex. Cotton-breeding seed. 183,631; Mar. 11.

Michigan Inhalatorium Co., Detroit, Mich. Medicated dry gas inhalers. 191,497; Mar. 11.

Millus, E., & Company, New York, N. Y. Cotton piece cloths. 188,851; Mar. 11.

Montgomery, C. L., Memphis, Tenn. Outfits for repairing automobile tubes and rubber goods. 184,739; Mar. 11.

Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Sponge roller. 190,549; Mar. 11.

Morley Button Manufacturing Co., Portsmouth, N. H. Buttons. 190,423; Mar. 11.

Mutterperl. Sol., Inc., New York, N. Y. Leather hand bags. 191,551; Mar. 11.

National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, crackers, wafers, and cakes. 182,432; Mar. 11.

National Marking Machine Company, The, Cincinnati, Ohio. Laundry appliances and machines. 188,424; Mar. 11.

National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,561; Mar. 11.

National Payments Corporation of California, Los Angeles, Calif. Asphalt cement. 190,850; Mar. 11.

Norse Crown Canning Co., Inc., New York, N. Y. Canned cod cuts, smoked halibut, salmon, crab meat, etc. 185,491; Mar. 11.

Novack, Harry J., doing business as Colloidal Laboratories, Philadelphia, Pa. Liquid iodine and bromine preparation. 190,351; Mar. 11.

Novelty Undergarment Co. (See Maurer, Harry.)

Nutrine Mfg. Co., Chicago, Ill. Candy, candied fruit, pop corn, etc. 191,085; Mar. 11.

Old East Indian Co. (See Osman, Leo S.)

Osman, Leo S., doing business as Old East Indian Co., Baltimore, Md. Hair pomade, shampoo, and tonic, and pressing oil. 191,566; Mar. 11.

Overseer Company, The, New Haven, Conn., and Milwaukee, Wis. Penmanship and lettering guides. 191,398; Mar. 11.

Owens, Sammie B., Eustis, Fla. Liniment. 188,923; Mar. 11.

Page, Rebecca C., Philadelphia, Pa. Medicinal preparation for the treatment of lung irritation, kidney trouble, etc. 189,041; Mar. 11.

Paris Laboratories. (See Lichtentag, Ruth.)

Peabody Coal Company, Chicago, Ill. Coal. 190,896; Mar. 11.

Peyton, W. P., Fruit Co., Los Angeles, Calif. Oranges. 191,282; Mar. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Pine Crest Sanitarium, Jersey City and Chatsworth, N. J. Natural mineral water. 190,555; Mar. 11.

Powers, Ira F., Furniture Co., The, Portland, Oreg. Furniture. 189,816; Mar. 11.

Queensland Meat Export Company Limited. Brisbane, Queensland, Australia. Oxtongues, sheep tongues, luncheon beef, etc. 122,404; Mar. 11.

Reader, Helen V., Roosevelt, Wash. Dolls. 187,019; Mar. 11.

Re-Lax Co. (See Deutsch, A.)

Remmers Soap Company, The, Cincinnati, Ohio. Soap. 190,357; Mar. 11.

Republic Metalware Co., The, Buffalo, N. Y. Dustpans, roasting pans, double boilers, etc. all made of base metal. 186,072–4; Mar. 11.

Rex Leather Goods Corporation, New York, N. Y. Leather goods. 188,327; Mar. 11.

Ricker, B. J., Grinnell, Iowa. Baseball gloves and bats. 189,950; Mar. 11.

Rob Roy Company, New York, N. Y. Shirts and blouses. 179,624; Mar. 11.

Rosemond, Aaron W., Philadelphia, Pa. Remedy for dyspepsia, indigestion, and flatulence. 187,129; Mar. 11.

Rosenberg, Samuel, doing business as Russian Maid Importing Caviar Company, New York, N. Y. Canned caviar. 188,220; Mar. 11.

Rubel Baking Co., Cincinnati, Ohio. Bread. 189,818; Mar. 11.

Russell, W. A., & Co., New York, N. Y. Air valves for steam radiators and floor plates. 191,187; Mar. 11.

Russian Maid Importing Caviar Company. (See Rosenberg, Samuel.)

Russische Tee Import Gesellschaft m. b. H. Kjachta, Frankfort-on-the-Main, Germany. Tea. 181,780; Mar. 11.

Ruthrauff, William M., doing business as The Sapo-Pepsin Company, Philadelphia, Pa. Shampoo. 155,639; Mar. 11.

Sahara Dry Battery Company, Central Falls, R. I. Dry storage batteries. 180,028; Mar. 11.

Saibot Products Mfg. Co. (See Tobias, William H.)

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, capes, etc. 159,117; Mar. 11.

Sanacuba Company, The. (See Hursley, Frank B.)

Sapo-Pepsin Company, The. (See Ruthrauff, William M.)

Savage, Ariel D., doing business as Gorham Specialty Co., Boston, Mass. Hair restorers. 190,033; Mar. 11.

Sebastian, Lathe Co., The, Cincinnati, Ohio. Lathes. 183,761; Mar. 11.

Seubert, Justin, Inc., Syracuse, N. Y. Cigars. 183,634; Mar. 11.

Seward Trunk and Bag Company, doing business as Autorobe Trunk Co., Petersburg, Va. Wardrobe trunks. 191,577; Mar. 11.

Simon, Charles R., Los Angeles, Calif. Preparations for the treatment of piles. 188,278; Mar. 11.

Sinclair, Charles G., doing business as Val Duray, New York, N. Y. Facial pack, bleach cream, hair restorer, etc. 190,068; Mar. 11.

Slater, Howard W., doing business as Westchester Farm Products Company, Mamaroneck, N. Y. Eggs and butter. 185,507; Mar. 11.

Sloane-Forsberg Oil Co., Oklahoma City, Okla. Gasoline and motor oils. 187,022; Mar. 11.

Société Job, Anciens Etablissements Bardou-Job et Pouilhac, Perpignan and Toulouse, France. Cigarette papers, pipes, cigar and cigarette holders, etc. 188,976; Mar. 11.

Solar Products Co. (See Harris, Solomon J.)

Spray Engineering Company, Boston, Mass. Air washing and cooling equipment. 189,279; Mar. 11.

Standard Oil Company, (New Jersey) Bayonne, N. J. Edible oils. 190,747; Mar. 11.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 180,087; Mar. 11.

Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, and face powder. 190,858–9; Mar. 11.

Stevens, Chas. A., & Bros., Chicago, Ill. Furs, skirts, coats, suits, dresses, etc. 182,448; Mar. 11.

Sumet Corporation Buffalo, N. Y. Bearing metals and metal castings. 191,454; Mar. 11.

Sun Oil Company, Philadelphia, Pa. Lubricating oils. 191,146–7; Mar. 11.

Taggesell & Schreiber, Buffalo, N. Y. Perfume vials. 190,945; Mar. 11.

Tobias, William H., doing business as Saibot Products Mfg. Co., Philadelphia, Pa. Polish for floors and other finished woodwork. 191,149; Mar. 11.

Toch Brothers, Incorporated, New York, N. Y. Pigments. 191,199; Mar. 11.

Toch Brothers, Incorporated, New York, N. Y. Paint pigments. 191,200; Mar. 11.

Treulieb, Arthur H., Amsterdam, N. Y. Bags for the storage and protection of clothing, etc. 189,483; Mar. 11.

Tri-Me-Laboratories, Inc., Indianapolis, Ind. Medicinal preparation. 186,530; Mar. 11.

Tri-Stone Pictures, Inc., New York, N. Y. Motion-picture films. 189,647; Mar. 11.

Trojan Products & Mfg. Co. (See Hulsh, Benjamin M.)

Twin City Shellac Co., New York, N. Y. Prepared shellac. 189,283; Mar. 11.

Ullmann, Bernhard Co., Inc., New York, N. Y. Art-needlework package containing yarn. 184,696; Mar. 11.

Ullmann, Bernhard Co. Inc., New York, N. Y. Publication. 188,508; Mar. 11.

Ungerer & Company, Inc., New York, N. Y. Preparations for scenting perfumes and the like. 187,887; Mar. 11.

Universal Theatres Concession Co., doing business as The Folly Town Company, Chicago, Ill. Candy. 191,106; Mar. 11.

Val Duray. (See Sinclair, Charles G.)

Ward, Samuel, Mfg. Co., Boston, Mass. Writing papers and envelopes. 190,951; Mar. 11.

Warmbirds, Inc., New York, N. Y. Coats and ulsters. 189,540; Mar. 11.

Warner, Stella, Los Angeles, Calif. Antiseptic douche. 189,992; Mar. 11.

Warren Company, The, Atlanta, Ga. Paints, varnishes, stains, etc. 190,039; Mar. 11.

Warsawer Sausage Mfg. Co. (See Beallo, Max.)

Waterbury Company, Jersey City, N. J., and New York, N. Y. Wire rope. 187,073; Mar. 11.

Weber, William, Ybor City, Fla. House dresses, bungalow aprons, kimonos, etc. 190,990; Mar. 11.

Weis & Serravallo, Trieste, Italy. Reactive fluid to judge rapidly of the fitness of motor fuels. 183,545; Mar. 11.

Westchester Farm Products Company. (See Slater, Howard W.)

Whitney, F. A., Carriage Co., Leominster, Mass. Baby and children's carriages. 187,558; Mar. 11.

Whitney, F. A., Carriage Co., Leominster, Mass. Doll carriages. 191,245; Mar. 11.

Williams, Harold K., Decatur, Ill. Cotton-waste dusters. 189,927; Mar. 11.

Winer, Alex, doing business as The Bee Line Manufacturing Company, Veedersburg, Ind. Work shirts. 189,344; Mar. 11.

Winter Garden Citrus Growers Association, Winter Garden, Fla. Fresh citrous fruits. 191,112; Mar. 11.

Wortendyke Manufacturing Co., Richmond, Va. Toilet paper, towels, and napkins made of paper. 186,345; Mar. 11.

Yachting Incorporated, New York, N. Y. Monthly magazine. 189,959; Mar. 11.

Yvette Co., New York, N. Y. Hair nets. 187,306; Mar. 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather, Sole, T. Cover, jr. 181,165; Mar. 11; Serial No. 186,630; published Dec. 25, 1923.

Transparent and translucent sheets. Transloid Products Co. 180,938; Mar. 11; Serial No. 185,268; published Dec. 25, 1923.

CLASS 2.

Paper bags. Le Montree Manufacturing Company. 181,074; Mar. 11; Serial No. 188,019; published Dec. 25, 1923.

Paper bags and baskets. S. Kann. 181,149; Mar. 11; Serial No. 183,386; published Dec. 25, 1923.

CLASS 3.

Bags, portfolios, pocketbooks, etc. F. Hertz. 180,895; Mar. 11; Serial No. 185,854; published Dec. 25, 1923.

Harness, harness parts, nets, and sweat pads. Walter Boyt Company. 181,151; Mar. 11; Serial No. 186,629; published Dec. 25, 1923.

Suitcases, trunks, traveling bags, etc. Goldenberg's. 180,999; Mar. 11; Serial No. 170,638; published Dec. 25, 1923.

Trunks, traveling bags, etc. Innovation Ingenuities Incorporated. 181,055; Mar. 11; Serial No. 183,745; published Dec. 25, 1923.

Vanity boxes. H. B. Canavello. 180,865; Mar. 11; Serial No. 186,944; published Dec. 25, 1923.

CLASS 4.

Cleaning preparation for kitchen uses, etc. French Chemical Company. 181,073; Mar. 11; Serial No. 188,008; published Dec. 25, 1923.

Hand cleaner. A. E. Goldsworthy. 181,129; Mar. 11; Serial No. 181,828; published Dec. 25, 1923.
Laundry powder. S. E. Bargreen. 181,008; Mar. 11; Serial No. 168,507; published Dec. 25, 1923.
Paper and cloth, etc. Flint, garnet, and emery. Baeder Adamson Company. 181,075; Mar. 11; Serial No. 188,104; published Dec. 25, 1923.
Sandpapers and sand cloths. American Glue Company. 180,992; Mar. 11; Serial No. 187,239; published Dec. 25, 1923.
Soap, Castile. A. E. Tsifakis. 181,157; Mar. 11; Serial No. 187,701; published Dec. 25, 1923.
Soap, Liquid. United Sanitary Products Company. 180,853; Mar. 11; Serial No. 174,497; published Dec. 18, 1923.
Soap, polishes, etc. Larkin Co. 180,882; Mar. 11; Serial No. 179,153; published Dec. 18, 1923.
Soap, Washing and scouring. John Sexton and Company. 181,124; Mar. 11; Serial No. 187,899; published Dec. 25, 1923.
Soaps. John Wanamaker Philadelphia. 181,123; Mar. 11; Serial No. 187,892; published Dec. 25, 1923.
Soaps. F. H. Young. 181,029; Mar. 11; Serial No. 162,090; published Aug. 15, 1922.
Soaps, Toilet. Coty, Inc. 181,134; Mar. 11; Serial No. 180,106; published Dec. 18, 1923.
Valve-grinding compound. S. C. Johnson & Son. 181,114; Mar. 11; Serial No. 182,099; published Dec. 18 1923.

CLASS 6.

Bay rum. E. B. Cuddy. 181,178; Mar. 11.
Chemical preparation. B. Heller & Company. 181,175; Mar. 11.
Coloring, Butter and cheese. H. D. Thatcher & Company. 180,961; Mar. 11; Serial No. 184,192; published Dec. 18, 1923.
Creams, hair tonics, vegetals, etc., Cold. R. J. Stowell. 181,180; Mar. 11.
Dental preparation. L. D. Caulk Company. 180,967; Mar. 11; Serial No. 184,118; published Dec. 18, 1923.
Hair grower. Hill & Jackson. 180,966; Mar. 11; Serial No. 184,074; published Dec. 18, 1923.
Insecticide preparation. B. Heller & Company. 181,172; Mar. 11.
Laxative tea. F. Dedek. 180,968; Mar. 11; Serial No. 184,124; published Dec. 18, 1923.
Medicine for eczema, pyorrhea, and mange. E. E. Vaughan. 180,953; Mar. 11; Serial No. 184,196; published Dec. 18, 1923.
Massage, Liquid. L. Philippe. 180,957; Mar. 11; Serial No. 184,260; published Dec. 18, 1923.
Ointment. Johnson Pharmaceutical Company. 180,969; Mar. 11; Serial No. 184,167; published Dec. 18, 1923.
Perfumery, toilet preparations. Max Elb Gesellschaft mit beschränkter Haftung. 181,021; Mar. 11; Serial No. 166,176; published July 3, 1923.
Preparation for poisoning bedbugs. B. Heller & Co. 181,183; Mar. 11.
Preparation for the treatment of cholera, coughs, colds, etc., of hogs and pigs. C. H. Ford. 180,958; Mar. 11; Serial No. 184,129; published Dec. 18, 1923.
Tonic medicine. Apollo Drug Company. 180,936; Mar. 11; Serial No. 185,240; published Dec. 18, 1923.
Treatment for coughs, sore throat, etc. Mastin & Company. 180,962; Mar. 11; Serial No. 184,173; published Dec. 18, 1923.
Treatment for rheumatism, kidney, liver, and bladder complaints. Mastin & Company. 180,960; Mar. 11; Serial No. 184,171; published Dec. 18, 1923.

CLASS 7.

Cordage. American Steel and Wire Company of New Jersey. 181,153; Mar. 11; Serial No. 186,623; published Dec. 25, 1923.
Twine. Blake, Moffitt & Towne. 180,994; Mar. 11; Serial No. 187,291; published Dec. 25, 1923.
Twine, Linen broom. Nitram Manufacturing Co. 181,122; Mar. 11; Serial No. 187,875; published Dec. 25, 1923.

CLASS 12.

Cement, Glazing. McCallum Company. 180,867; Mar. 11; Serial No. 186,918; published Dec. 25, 1923.
Cements, Plastic. Adams & Jewell. 180,946; Mar. 11; Serial No. 184,911; published Dec. 25, 1923.
Concrete tiles and molds. A. J. Rowley. 181,015; Mar. 11; Serial No. 187,925; published Dec. 18, 1923.
Drain boards and mantles, etc., Composition. H. Leffler. 181,002; Mar. 11; Serial No. 186,016; published Dec. 25, 1923.
Lime, Hydrated. Marblehead Lime Company. 180,902; Mar. 11; Serial No. 185,604; published Dec. 25, 1923.
Shingles. Hanawalt Spaulding Company. 180,875; Mar. 11; Serial No. 187,051; published Dec. 25, 1923.
Shutters, curtains, and doors. Metallic fire-resisting. Kinnear Manufacturing Company. 181,024; Mar. 11; Serial No. 163,525; published Dec. 25, 1923.

CLASS 13.

Bedsteads, cots, etc., for corner fittings. Atlas Bedstead Company (Stephen Wilkes & Sons) Limited. 180,976; Mar. 11; Serial No. 172,026; published Dec. 18, 1923.
Cookers, Steam-pressure. Economy Cooker Company. 180,964; Mar. 11; Serial No. 183,562; published Dec. 18, 1923.
Door hangers, elevator-door locks, and door slides. Reliance Ball Bearing Door Hanger Company. 181,014; Mar. 11; Serial No. 167,786; published Dec. 26, 1922.
Valves and pump governors. Pressure-reducing. Locke Regulator Co. 180,974; Mar. 11; Serial No. 177,789; published Dec. 18, 1923.
Valves, Gate. Wm. Powell Co. 181,170; Mar. 11.

CLASS 14.

Alloy, Low-fusing metal. J. M. Ney Company. 180,855; Mar. 11; Serial No. 167,479; published Dec. 25, 1923.
Bearing metal. A. W. Cadman Manufacturing Co. 180,963; Mar. 11; Serial No. 183,360; published Dec. 18, 1923.
Bearing metal. Lumen Bearing Company. 180,872; Mar. 11; Serial No. 186,959; published Dec. 25, 1923.
Metal, Bearing. Ariston Metal Company. 181,045; Mar. 11; Serial No. 186,578; published Dec. 25, 1923.
Rails, Steel. Société Anonyme d'Ougrée Marihaye. 180,980; Mar. 11; Serial No. 167,502; published Dec. 18, 1923.
Railway equipment. Q & C Company. 180,983; Mar. 11; Serial No. 151,906; published Dec. 18, 1923.
Steels, Hammered and rolled. Société Anonyme d'Ougrée Marihaye. 180,979; Mar. 11; Serial No. 167,501; published Dec. 18, 1923.

CLASS 15.

Engines, Fuel for internal-combustion. Benzol Motor Fuel Company. 181,117; Mar. 11; Serial No. 187,792; published Dec. 25, 1923.
Gasoline. Puritan Oil Corporation. 181,108; Mar. 11; Serial No. 186,291; published Dec. 25, 1923.
Oil, Motor. Motel Lubricants Corporation. 180,988–9; Mar. 11; Serial Nos. 187,336–7; published Dec. 25, 1923.

CLASS 16.

Composition for treating metallic surfaces to prevent rust. American Rust Proof Co. 180,925; Mar. 11; Serial No. 186,263; published Dec. 25, 1923.
Lacquer, varnishes, lacquers, and automobile top dressing, Book. Hollister Mills, Inc. 180,935; Mar. 11; Serial No. 185,081; published Dec. 25, 1923.
Paints. Omaha Paint and Glass Company. 181,038; Mar. 11; Serial No. 118,608; published Dec. 25, 1923.
Paints, Ready-mixed. Riverside Paint & Varnish Company. 180,978; Mar. 11; Serial No. 164,195; published Feb. 27, 1923.
Paints, varnishes, and enamel paints. Toch Brothers. 181,027; Mar. 11; Serial No. 161,594; published Dec. 25, 1923.
Polishing preparation. E. W. Softley. 180,917; Mar. 11; Serial No. 186,969; published Dec. 25, 1923.
Varnishes, stains, paints, and paint enamels. R. H. Moran. 180,965; Mar. 11; Serial No. 183,846; published Dec. 25, 1923.

CLASS 17.

Cigars. Otto Eisenlohr & Bros. Incorporated. 180,859; Mar. 11; Serial No. 186,888; published Dec. 25, 1923.
Cigars. A. E. McCall. 180,871; Mar. 11; Serial No. 187,013; published Dec. 25, 1923.
Cigars. H. Siebenmorgen. 180,866; Mar. 11; Serial No. 186,934; published Dec. 25, 1923.
Cigars, cigarettes, cheroots, smoking tobacco. B. J. Seidenberg Company. 180,892; Mar. 11; Serial No. 185,796; published Dec. 25, 1923.

CLASS 19.

Automobiles, Passenger-carrying. Willys-Overland Company. 180,897; Mar. 11; Serial No. 185,946; published Dec. 25. 1923.
Bicycles. Great Western Manufacturing Company. 181,037; Mar. 11; Serial No. 115,583; published Dec. 25, 1923.
Brakes, Vehicle. Hydraulic Brake Company. 180,945; Mar. 11; Serial No. 184,941; published Dec. 25, 1923.
Vehicle visor. Telulah Petralyke Company. 181,127; Mar. 11; Serial No. 181,357; published Dec. 25, 1923.

CLASS 22.

Bats, Baseball. D. J. Marston. 181,084; Mar. 11; Serial No. 183,658; published Dec. 25, 1923.
Bicycles and velocipedes, Children's. D. P. Harris Hardware & Manufacturing Co. 181,110–11; Mar. 11; Serial Nos. 182,582–3; published Dec. 25, 1923.
Cards, Playing. United States Playing Card Company. 181,102; Mar. 11; Serial No. 186,206; published Dec. 25, 1923.
Cards, Playing. United States Playing Card Company. 181,116; Mar. 11; Serial No. 187,704; published Dec. 25, 1923.
Dolls. Schoen & Yondorf Co. 181,162–3; Mar. 11; Serial Nos. 186,675–6; published Dec. 25, 1923.
Dolls, puzzles, etc. Wazu Novelty Company. 181,002; Mar. 11; Serial No. 172,921; published Dec. 25, 1923.
Footballs, basket, soccer, and punching balls. William Sykes, Limited. 180,948; Mar. 11; Serial No. 184,805; published Dec. 25, 1923.
Game played with pieces, Chinese. Piroxloid Products Corporation. 180,878; Mar. 11; Serial No. 186,757; published Dec. 25, 1923.

Games, Parlor. G. W. Sheppard. 181,057; Mar. 11; Serial No. 163,724; published Dec. 25, 1923.
Golf balls. Worthington Ball Company. 181,142; Mar. 11; Serial No. 182,689; published Dec. 25, 1923.
Miniature living-room suites, chairs, rockers, etc. T. S. Dowst. 181,033; Mar. 11; Serial No. 158,974; published Dec. 25, 1923.
Toy balloon. Candy-Toy Company of America. 181,112; Mar. 11; Serial No. 181,976; published Dec. 25, 1923.
Toy, Question and answer. M. R. Forkapa. 181,049; Mar. 11; Serial No. 186,424; published Dec. 25, 1923.
Toy wagon, Child's. Puffer-Hubbard Manufacturing Company. 181,007; Mar. 11; Serial No. 170,402; published Dec. 25, 1923.

CLASS 23.

Bottle cappers and corkers. Lawrence Sales Co. 180,854; Mar. 11; Serial No. 187,469; published Dec. 25, 1923.
Chisels, pipe wrenches, and screw drivers, Cold. Tobrin Tool Company. 180,981; Mar. 11; Serial No. 187,885; published Dec. 18, 1923.
Compressors, Air. Franklin Air Compressor Works. 181,014; Mar. 11; Serial No. 186,470; published Dec. 25, 1923.
Dairy, creamery, milk-plant, etc., machinery and appliances. Creamery Package Mfg. Company. 181,016–18; Mar. 11; Serial Nos. 167,601–3; published Dec. 25, 1923.
Engines for autos, Water circulator for cooling systems for gasoline. Great States Corporation. 181,047; Mar. 11; Serial No. 186,504; published Dec. 25, 1923.
Engines for autos, Water circulator for cooling systems for gasoline. Great States Corporation. 181,101; Mar. 11; Serial No. 186,052; published Dec. 25, 1923.
Fire extinguishers. Newbegin Fire Appliance Company. 181,032; Mar. 11; Serial No. 157,042; published Dec. 25, 1923.
Fire extinguishers and refill units. Ohio Instrument Mfg. Co. 181,023; Mar. 11; Serial No. 162,194; published Dec. 25, 1923.
Gearing, Speed-changing transmission. Chandler Motor Car Company. 180,883; Mar. 11; Serial No. 186,773; published Dec. 25, 1923.
Insect exterminators, Mechanical. John G. Cousar and John G. Barron. 181,012; Mar. 11; Serial No. 167,672; published Dec. 18, 1923.
Mechanics' tools, Automotive. L. Schwab. 181,009; Mar. 11; Serial No. 168,905; published Dec. 25, 1923.
Motors and parts thereof, Internal-combustion. Disappearing Propeller Boat Co. 180,949; Mar. 11; Serial No. 164,815; published Dec. 18, 1923.
Nutcrackers. Cook Electric Company. 181,052; Mar. 11; Serial No. 186,317; published Dec. 25, 1923.
Saws. Henry Disston & Sons, Incorporated. 181,087; Mar. 11; Serial No. 188,002; published Dec. 25, 1923.
Soda-fountain cooling and dispensing outfits. Pennsylvania Silverware Company. 180,847; Mar. 11; Serial No. 175,267; published Dec. 25, 1923.
Spraying devices for paint, sand, and cleaning solutions. Geo. M. Stowe, jr. 181,098; Mar. 11; Serial No. 186,165; published Dec. 25, 1923.
Tools. Romer Axe and Tool Company. 181,030; Mar. 11; Serial No. 155,070; published Apr. 17, 1923.
Turbines, pumps, etc. William Cramp & Sons Ship & Engine Building Co. 180,898; Mar. 11; Serial No. 185,960; published Dec. 25, 1923.
Turbines, pumps, hydraulic turbines, etc. William Cramp & Sons Ship & Engine Building Co. 181,089; Mar. 11; Serial No. 186,036; published Dec. 25, 1923.
Wrenches. Henry & Allen. 181,042; Mar. 11; Serial No. 186,474; published Dec. 25, 1923.

CLASS 26.

Adding, listing, calculating, and bookkeeping machines. Powers Accounting Machine Corporation. 181,099; Mar. 11; Serial No. 186,156; published Dec. 25, 1923.
Adding machines. Precision Adding Machine Company. 181,041; Mar. 11; Serial No. 184,984; published Dec. 25, 1923.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 180,851; Mar. 11; Serial No. 187,547; published Dec. 25, 1923.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 180,857; Mar. 11; Serial No. 187,546; published Dec. 25, 1923.
Glasses, Field and opera. Sussfeld, Lorsch & Schimmel. 181,166; Mar. 11; Serial No. 187,548; published Dec. 25, 1923.
Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 180,939; Mar. 11; Serial No. 185,276; published Dec. 25, 1923.
Photographic shutters. Eastman Kodak Company. 180,997; Mar. 11; Serial No. 187,097; published Dec. 25, 1923.
Picture projectors, Motion-. Hall Projector Company. 180,876; Mar. 11; Serial No. 187,050; published Dec. 25, 1923.
Picture-viewing machine. Advance Machine Company. 180,942; Mar. 11; Serial No. 185,101; published Dec. 25, 1923.
Taximeters. J. A. F. Brun. 180,932; Mar. 11; Serial No. 186,176; published Dec. 18, 1923.

CLASS 27.

Clips. Tongue-Tyer Clip Co. 181,086; Mar. 11; Serial No. 187,970; published Dec. 25, 1923.

CLASS 29.

Vacuum-cleaner nozzle, Mop or wiping member for attachment to. M. S. Wright Company. 180,845–6; Mar. 11; Serial Nos. 175,175–6; published Dec. 25, 1923.

CLASS 30.

Dishes, China, porcelain, and earthenware. E. J. Benjamin. 181,193; Mar. 11.

CLASS 32.

Bathroom fixtures, kitchen furniture and fixtures, etc. Sturdy Manufacturing Company. 181,194; Mar. 11.
Box springs and mattresses. A. Wuest. 181,155; Mar. 11; Serial No. 187,598; published Dec. 19, 1923.
Couches or davenports, Swinging. Enterprise Bed Company. 181,013; Mar. 11; Serial No. 167,770; published Dec. 18, 1923.
Mattresses. Stearns & Foster Company. 181,105; Mar. 11; Serial No. 186,254; published Dec. 18, 1923.
Tables, Folding. Parker-Young Company. 181,094; Mar. 11; Serial No. 185,983; published Dec. 18, 1923.

CLASS 34.

Furnaces and parts thereof, Steam-boiler. W. A. Gilchrist. 181,132; Mar. 11; Serial No. 179,719; published Dec. 25, 1923.
Furnaces, gas-fired steam boilers, gas ranges, etc., Gas. C. B. Babcock. 181,050; Mar. 11; Serial No. 186,407; published Dec. 25, 1923.
Furnaces, stoves, ranges, and heaters. Cole Manufacturing Company. 181,011; Mar. 11; Serial No. 168,254; published Dec. 25, 1923.
Ventilators. W. H. Jardine. 181,159; Mar. 11; Serial No. 187,679; published Dec. 25, 1923.

CLASS 35.

Packing and packing material. Garlock Packing Company. 181,026; Mar. 11; Serial No. 160,008; published Dec. 25, 1923.
Packing and packing material. Garlock Packing Company. 181,171; Mar. 11.
Piston rings. Richmond Piston Ring Co. 181,034; Mar. 11; Serial No. 134,088; published July 24, 1923.
Tire flaps for automobile tires; tire accessories. A. I. Levin. 181,109; Mar. 11; Serial No. 182,251; published Dec. 25, 1923.
Tires, Pneumatic. Virginian Tire & Rubber Company. 181,100; Mar. 11; Serial No. 186,092; published Dec. 25; 1923.

CLASS 37.

Box board and wrapping paper. Schmidt & Ault Paper Co. 181,141; Mar. 11; Serial No. 183,505; published Dec. 25, 1923.
Checks, bonds, securities, and writing and printing paper. A. E. Skoog. 181,155; Mar. 11; Serial No. 186,618; published Dec. 25, 1923.
Covers or binders. Master Reporting Co. 181,035; Mar. 11; Serial No. 141,682; published Dec. 25, 1923.
Crayons. Milton Bradley Company. 181,048; Mar. 11; Serial No. 186,439; published Dec. 25, 1923.
Envelopes. Federal Envelope Mfg. Co. 180,858; Mar. 11; Serial No. 187,412; published Dec. 25, 1923.
Envelopes and manuscript covers, Filing. W. S. Tuttle. 181,148; Mar. 11; Serial No. 183,324; published Dec. 25, 1923.
Paper, Blasting. Diem & Wing Paper Co. 180,860; Mar. 11; Serial No. 186,880; published Dec. 25, 1923.
Paper, Bond. Diem & Wing Paper Co. 180,861; Mar. 11; Serial No. 186,876; published Dec. 25, 1923.
Paper, Bond. Diem & Wing Paper Co. 180,862; Mar. 11; Serial No. 186,874; published Dec. 25, 1923.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,864; Mar. 11; Serial No. 186,953; published Dec. 25, 1923.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,873; Mar. 11; Serial No. 186,745; published Dec. 25, 1923.
Paper, Prepared tracing. Special Paper Mfg. Co. 181,091; Mar. 11; Serial No. 186,029; published Dec. 25, 1923.
Paper, Toilet. Northern Paper Mills. 181,072; Mar. 11; Serial No. 184,357; published Dec. 25, 1923.
Paper, Writing. Cincinnati Cordage & Paper Co. 180,848; Mar. 11; Serial No. 174,554; published July 10, 1923.
Paper, Writing. E. E. Lloyd Paper Company. 181,076; Mar. 11; Serial No. 188,125; published Dec. 25, 1923.
Passbooks and blank form cards. Wellar and Adams. 180,940; Mar. 11; Serial No. 184,999; published Dec. 25, 1923.
Pens, Fountain. J. Harris & Company. 181,121; Mar. 11; Serial No. 187,864; published Dec. 25, 1923.

CLASS 38.

Designs, Novelty. C. H. Baum. 181,056; Mar. 11; Serial No. 183,728; published Dec. 18, 1923.
Newspaper column or article, Title for heading of. H. Markel. 180,912; Mar. 11; Serial No. 185,223; published Dec. 25, 1923.
Organ, House Compo Bond Corporation. 180,888; Mar. 11; Serial No. 177,166; published Dec. 18, 1923.

Publication, Paint and varnish monthly periodical. National Save The Surface Campaign Committee. 181,068; Mar. 11; Serial No. 184,561; published Dec. 25, 1923.
Publications, Sunday-school. W. B. Rose. 180,874; Mar. 11; Serial No. 186,722; published Dec. 18, 1923.

CLASS 39.

Apparel, Women's. Parr Company. 181,093; Mar. 11; Serial No. 186,000; published Jan. 1, 1924.
Bloomers. Wyman, Partridge & Co. 181,192; Mar. 11.
Clothing, Outer. L. Greif & Bro. Incorporated. 180,894; Mar. 11; Serial No. 185,824; published Jan. 1, 1924.
Collars, shirts, pyjamas, etc. M. J. Schneider. 181,135; Mar. 11; Serial No. 180,316; published Jan. 1, 1924.
Garments, Ladies'. Augusta Friedman's Shop, Inc. 181,179; Mar. 11.
Hose, Silk. J. M. Bunting." 181,028; Mar. 11; Serial No. 161,961; published Oct. 3, 1922.
Hosiery. Bedell Company. 180,996; Mar. 11; Serial No. 187,081; published Jan. 1, 1924.
Hosiery. S. S. Miller. 181,085; Mar. 11; Serial No. 187,950; published Jan. 1, 1924.
Hosiery. Reins & Weiss Company. 180,998; Mar. 11; Serial No. 187,128; published Jan. 1, 1924.
Hosiery. Rollins Hosiery Mills. 181,176; Mar. 11.
Overalls. Lindeke, Warner & Sons, Incorporated. 181,118; Mar. 11; Serial No. 187,827; published Jan. 1, 1924.
Overcoats and suits. Fruhauf Bros. & Co. 181,188; Mar. 11.
Scarfs, shawls, costumes, etc., Knitted. Salomon Stern Ltd., of America. 181,174; Mar. 11.
Shirts. Cluett, Peabody & Co. 181,182; Mar. 11.
Shirts, Men's. Reid and Fort, Inc. 180,908; Mar. 11; Serial No. 185,490; published Jan. 1, 1924.
Shirts, Men's. Stetson Shirt Co. 181,189; Mar. 11.

CLASS 40.

Elastic webbing, cotton trimming, toilet pins, etc. A. J. Hague & Co. 181,005; Mar. 11; Serial No. 169,442; published Jan. 1, 1924.
Hair dressing, Padding for. E. Mittelstaedt, Inc. 181,119; Mar. 11; Serial No. 187,833; published Dec. 18, 1923.
Hairpins. S. Glemby's Sons Co. 181,077; Mar. 11; Serial No. 187,577; published Jan. 1, 1924.
Needles, Hand sewing. New York Merchandise Company. 181,078; Mar. 11; Serial No. 187,588; published Jan. 1, 1924.
Package outfits. F. Weinheimer. 181,097; Mar. 11; Serial No. 186,172; published Jan. 1, 1924.
Rubber combs. Vulcanized Rubber Company. 181,020; Mar. 11; Serial No. 165,613; published Nov. 7, 1922.
Snap fasteners for gloves, caps, trunks, etc. Rau Fastener Company. 181,046; Mar. 11; Serial No. 186,568; published Dec. 25, 1923.
Tapes, Covered hook and eye. R. K. M. Manufacturing Co. 181,128; Mar. 11; Serial No. 181,411; published Dec. 18, 1923.

CLASS 42.

Camel's-hair piece goods. Del Monte-Hickey. 180,975; Mar. 11; Serial No. 174,203; published Dec. 25, 1923.
Cheesecloth. Lewis Manufacturing Company. 181,106; Mar. 11; Serial No. 186,240; published Dec. 18, 1923.
Cloths and piece goods of woolen, worsted, etc. B. Priestley & Co. 180,923–3; Mar. 11; Serial Nos. 186,853–4; published Dec. 18, 1923.
Cotton, etc., piece goods. Turner & Walls. 181,104; Mar. 11; Serial No. 186,257; published Dec. 18, 1923.
Cotton goods, denims, sheetings, bedspreads, etc. Farish Company. 180,97; Mar. 11; Serial No. 169,164; published Dec. 25, 1923.
Cotton piece goods. Denzer & Nathan, Inc. 180,953; Mar. 11; Serial No. 184,784; published Dec. 25, 1923.
Cotton piece goods. Doptoglou Bros. of N. Y. 181,088; Mar. 11; Serial No. 183,444; published Nov. 6, 1923.
Cotton piece goods. Ridley Watts & Company. 181,173; Mar. 11.
Cotton, silk, linen, etc. piece goods. Jacob Miller's Sons Co. 181,152; Mar. 11; Serial No. 187,687; published Dec. 25, 1923.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 180,919; Mar. 11; Serial No. 187,084; published Dec. 25, 1923.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 180,928; Mar. 11; Serial No. 186,771; published Dec. 18, 1923.
Hair nets. P. L. Graf. 180,920; Mar. 11; Serial No. 187,159; published Dec. 25, 1923.
Hair nets, Sport. T. B. M. Gates. 180,970; Mar. 11; Serial No. 187,252; published Dec. 25, 1923.
Handkerchiefs. S. Gorelick & Sons. 180,881; Mar. 11; Serial No. 179,140; published Dec. 25, 1923.
Handkerchiefs. J. Klein. 180,915–16; Mar. 11; Serial Nos. 186,915–16; published Dec. 25, 1923.
Shade material, lace curtains, etc., Window-. Rasch & Gainor. 180,896; Mar. 11; Serial No. 185,888; published Dec. 25, 1923.
Silk and cotton mixture goods and cotton piece goods. Voss & Stern. 180,879; Mar. 11; Serial No. 177,938; published Dec. 18, 1923.
Silk, cotton, silk and cotton, etc., piece goods. Voss & Stern. 181,066; Mar. 11; Serial No. 184,045; published Dec. 18, 1923.
Silk piece goods. Chopak Textile Co. 180,943; Mar. 11; Serial No. 185,176; published Dec. 18, 1923.
Silk piece goods. Duplan Silk Corporation. 180,921; Mar. 11; Serial No. 187,208; published Dec. 25, 1923.
Silk piece goods. Duplan Silk Corporation. 180,973; Mar. 11; Serial No. 187,209; published Dec. 25, 1923.
Silk piece goods. J. A. Migel, Inc. 181,186; Mar. 11.
Silk piece goods. Voss & Stern. 180,885; Mar. 11; Serial No. 177,933; published Dec. 18, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 180,868; Mar. 11; Serial No. 186,893; published Jan. 1, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 180,869; Mar. 11; Serial No. 186,892; published Dec. 25, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 180,924; Mar. 11; Serial No. 186,897; published Dec. 25, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 180,969; Mar. 11; Serial No. 187,573; published Dec. 25, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 181,167; Mar. 11; Serial No. 187,572; published Dec. 25, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 181,168; Mar. 11; Serial No. 187,575; published Dec. 25, 1923.
Woolen piece goods. Roubaix Mills, Inc. 180,856; Mar. 11; Serial No. 187,541; published Dec. 25, 1923.
Worsted and woolen dress goods. F. A. Bochmann & Co. 180,971–2; Mar. 11; Serial Nos. 187,242–3; published Dec. 25, 1923.
Worsted, and woolen textile fabrics. Holden-Leonard Company. 181,051; Mar. 11; Serial No. 186,369; published Dec. 18, 1923.

CLASS 43.

Yarn. Wyman, Partridge & Co. 181,031; Mar. 11; Serial No. 156,207; published Apr. 3, 1923.

CLASS 44.

Dental cutting tools. Cleveland Dental Manufacturing Company. 180,984; Mar. 11; Serial No. 162,865; published Dec. 25, 1923.
Dental, optical, and surgical mirrors, etc. A. A. Ansell. 181,040; Mar. 11; Serial No. 187,656; published Dec. 25, 1923.
Rubber goods, Seamless dipped india-. Mitcham Rubber Co. 181,143; Mar. 11; Serial No. 182,984; published Dec. 25, 1923.
Telephonic apparatus and parts thereof. Globe Phone Manufacturing Company. 180,982; Mar. 11; Serial No. 149,747; published Dec. 25, 1923.
Therapeutic apparatus, Electronic. Spectro-Electronic Foundation. 180,918; Mar. 11; Serial No. 187,069; published Dec. 25, 1923.

CLASS 45.

Beverages sold as soft drinks and sirups therefor. V. Jones. 181,004; Mar. 11; Serial No. 169,017; published Dec. 25, 1923.
Drinks, Nonalcoholic, maltless soft. La France Products Corporation. 180,947; Mar. 11; Serial No. 184,973; published Dec. 25, 1923.

CLASS 46.

Apples, Fresh. Grossman Bros. & Rea, Inc. 180,987; Mar. 11; Serial No. 187,310; published Dec. 25, 1923.
Artichokes, Fresh boxed. Santa Cruz Coast Vegetable Co. 180,991; Mar. 11; Serial No. 187,175; published Dec. 25, 1923.
Banana flour. D. Maronik. 180,934; Mar. 11; Serial No. 185,979; published Dec. 25, 1923.
Bread. Heimbach Baking Company. 181,130; Mar. 11; Serial No. 179,269; published Dec. 25, 1923.
Bread. Petersen & Pegau Baking Co. 180,929; Mar. 11; Serial No. 185,985; published Dec. 25, 1923.
Bread. Schafer Bakery, Inc. 181,147; Mar. 11; Serial No. 183,319; published Dec. 25, 1923.
Bread. Ward Baking Company. 180,891; Mar. 11; Serial No. 185,735; published Dec. 25, 1923.
Bread. Ward Baking Company. 180,907; Mar. 11; Serial No. 185,393; published Dec. 25, 1923.
Bread and cake. Ward Baking Company. 180,933; Mar. 11; Serial No. 185,736; published Dec. 25, 1923.
Bread, crackers, and cookies. California Peach & Fig Growers. 181,187; Mar. 11.
Butter. H. C. Christians Co. 180,901; Mar. 11; Serial No. 185,566; published Dec. 25, 1923.
Butter. W. C. Kammerer. 181,071; Mar. 11; Serial No. 184,466; published Dec. 25, 1923.
Cake. R. B. Ward & Co. 180,927; Mar. 11; Serial No. 186,400; published Dec. 25, 1923.
Cakes. Ward Baking Company. 181,069–70; Mar. 11; Serial Nos. 184,531–2; published Dec. 25, 1923.
Candies. Nunnally Company. 180,887; Mar. 11; Serial No. 177,109; published Oct. 16, 1923.
Candies. Ridley's, The Old Chambers Street Candy Manufactory. 180,880; Mar. 11; Serial No. 179,055; published Jan. 1, 1924.
Candies, salted nuts, etc. Yakima Candy Co. 181,003; Mar. 11; Serial No. 174,226; published Jan. 1, 1924.

Candy. Val. Blatz Jr. Candy Co. 181,131; Mar. 11; Serial No. 179,291; published Sept. 11, 1923.
Candy. Chandler and Rudd Company. 181,043; Mar. 11; Serial No. 186,464; published Dec. 25, 1923.
Candy. Euclid Candy Co. 180,900; Mar. 11; Serial No. 185,513; published Dec. 25, 1923.
Candy. Helm Candy Company. 181,169; Mar. 11.
Candy. George H. Shinn Co. 180,993; Mar. 11; Serial No. 187,268; published Dec. 25, 1923.
Candy and cakes. M. B. Stock. 180,937; Mar. 11; Serial No. 185,233; published Dec. 25, 1923.
Candy cup for holding ice cream and ices. Las-Ka Company. 181,126; Mar. 11; Serial No. 181,286; published Dec. 25, 1923.
Candy, Stick. Davis-Reece Co. 181,059; Mar. 11; Serial No. 183,959; published Dec. 18, 1923.
Canned fruits and berries. Northwest Fruit Products Company. 180,903; Mar. 11; Serial No. 185,009; published Dec. 25, 1923.
Canned fruits and berries. Oregon Canning Company. 180,900; Mar. 11; Serial No. 187,340; published Dec. 25, 1923.
Canned fruits, berries, and vegetables. Springbrook Canning Company. 180,941; Mar. 11; Serial No. 185,056; published Jan. 1, 1924.
Canned fruits, vegetables, and fish, and dried fruits. Hunt Brothers Packing Company. 180,995; Mar. 11; Serial No. 187,058; published Dec. 25, 1923.
Canned fruits, vegetables, and salmon, and condiments. Kroger Grocery & Baking Co. 180,956; Mar. 11; Serial No. 184,926; published Dec. 25, 1923.
Canned goods, macaroni, honey, etc. Park, Grant & Morris. 181,186; Mar. 11.
Canned peas. Gristede Bros. Inc. 181,006; Mar. 11; Serial No. 170,286; published Jan. 1, 1924.
Canned salmon. W. D. Frith. 180,890; Mar. 11; Serial No. 185,516; published Dec. 18, 1923.
Canned vegetables. Rochelle Canneries, Inc. 180,986; Mar. 11; Serial No. 187,347; published Dec. 25, 1923.
Canned vegetables and fruits. Pederson Mercantile Company. 181,019; Mar. 11; Serial No. 184,943; published Jan. 1, 1924.
Canned vegetables and fruits, pancake flour, etc. Portage Wholesale Grocery Company. 181,164; Mar. 11; Serial No. 186,666; published Dec. 25, 1923.
Canned vegetables, fruits, and fish, etc. Mallott, Johnson Co. 180,913; Mar. 11; Serial No. 185,026; published Dec. 25, 1923.
Canned vegetables, fruits, and fish, fruit jellies, etc. Mallott, Johnson Co. 180,914; Mar. 11; Serial No. 185,025; published Dec. 25, 1923.
Cantaloupes, Fresh. A. Arena & Co. 180,850; Mar. 11; Serial No. 174,763; published July 24, 1923.
Cereal, Breakfast. Vitomen Cereal Company. 181,079; Mar. 11; Serial No. 182,025; published Dec. 25, 1923.
Cheese. Frink Creamery Company. 180,926; Mar. 11; Serial No. 186,361; published Dec. 25, 1923.
Chicks and eggs, Baby. Star Chick Hatchery. 180,889; Mar. 11; Serial No. 176,508; published Dec. 11, 1923.
Coffee. B. Fischer & Co. 180,893; Mar. 11; Serial No. 185,821; published Dec. 25, 1923.
Coffee. Ohio Valley Coffee Co. 181,136; Mar. 11; Serial No. 180,770; published Dec. 25, 1923.
Coffee, olive oil, and sugar. Akron Grocery Co. 181,039; Mar. 11; Serial No. 180,260; published Nov. 13, 1923.
Coffees. M. M. de Picabia. 181,120; Mar. 11; Serial No. 187,857; published Jan. 1, 1924.
Confectionery. Barg & Foster Candy Company. 181,053; Mar. 11; Serial No. 183,814; published Dec. 25, 1923.
Confectionery. Barg & Foster Candy Company. 181,061–2; Mar. 11; Serial Nos. 183,815–16; published Dec. 25, 1923.
Cookies. J. S. Ivins' Son, Inc. 180,930; Mar. 11; Serial No. 186,132; published Dec. 25, 1923.
Dates. G. H. Narbonne. 180,952; Mar. 11; Serial No. 184,744; published Jan. 1, 1924.
Eggs. L. A. Grouten. 181,133; Mar. 11; Serial No. 179,865; published Dec. 25, 1923.
Feed, Stock. Arkadelphia Milling Co. 180,911; Mar. 11; Serial No. 185,355; published Dec. 25, 1923.
Flour and corn meal, Wheat. C. L. Green. 180,910; Mar. 11; Serial No. 185,336; published Dec. 25, 1923.
Flour, bread, biscuits, and cake. R. Winter Limited. 180,909; Mar. 11; Serial No. 185,325; published Dec. 25, 1923.
Flour, Hard-wheat. Kell Milling Company. 180,884; Mar. 11; Serial No. 177,385; published Dec. 18, 1923.
Flour, Plain. H. D. Lee Flour Mills Company. 180,931; Mar. 11; Serial No. 186,140; published Dec. 25, 1923.
Flour, Self-rising. M. D. King Milling Company. 181,064–5; Mar. 11; Serial Nos. 184,079–80; published Dec. 25, 1923.
Flour, Wheat. Anated & Burk Company. 180,951; Mar. 11; Serial No. 184,704; published Dec. 25, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,060; Mar. 11; Serial No. 183,877; published Dec. 25, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,137–8; Mar. 11; Serial Nos. 183,475–6; published Dec. 25, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,139; Mar. 11; Serial No. 183,480; published Dec. 25, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,146; Mar. 11; Serial No. 183,285; published Dec. 25, 1923.
Flour, Wheat. Pillsbury Flour Mills Company. 181,144; Mar. 11; Serial No. 182,993; published Dec. 25, 1923.
Flour, Wheat. Frank R. Prina Corporation. 181,081; Mar. 11; Serial No. 183,594; published Dec. 25, 1923.
Flour, Wheat. Southern Illinois Milling Company. 181,054; Mar. 11; Serial No. 183,779; published Dec. 25, 1923.
Flour, Wheat. Southwestern Milling Company. 180,905; Mar. 11; Serial No. 185,384; published Dec. 25, 1923.
Flour, Wheat. Sparks Milling Company. 180,906; Mar. 11; Serial No. 185,385; published Dec. 25, 1923.
Flour, Wheat. Sunnyside Milling Co. 181,058; Mar. 11; Serial No. 183,677; published Dec. 25, 1923.
Food-flavoring extracts. Citrus Products Company. 181,063; Mar. 11; Serial No. 184,120; published Dec. 25, 1923.
Food, Poultry. Marmite Food Extract Co. 181,080; Mar. 11; Serial No. 183,581; published Dec. 25, 1923.
Foods, cooked bran, etc., Cereal breakfast. Battle Creek Food Company. 180,844; Mar. 11; Serial No. 175,059; published Dec. 25, 1923.
Fruit, Dried. J. G. Shaw. 181,156; Mar. 11; Serial No. 187,698; published Jan. 1, 1924.
Fruits, figs, raisins, dates, etc., Dried and evaporated. Carque Pure Food Company. 181,184; Mar. 11.
Fruits, Fresh citrous. Dillard & Keene Co. 181,000; Mar. 11; Serial No. 172,668; published May 15, 1923.
Fruits, Fresh citrous and deciduous. Mutual Orange Distributors. 181,010; Mar. 11; Serial No. 168,060; published May 15, 1923.
Ham, baked meat loaf, bacon, etc., Smoked. Chris. Grosinger Co. 180,883; Mar. 11; Serial No. 177,296; published Jan. 1, 1924.
Ice creams, ices, ice-cream cones and products. Carry Ice Cream Company. 181,191; Mar. 11.
Macaroni, Cellas', Inc. 181,025; Mar. 11; Serial No. 163,670; published Jan. 9, 1923.
Macaroni, spaghetti, vermicelli, etc. National Macaroni Company. 181,095; Mar. 11; Serial No. 186,195; published Jan. 1, 1924.
Marmalade. B. S. Powell. 181,140; Mar. 11; Serial No. 183,500; published Dec. 25, 1923.
Mayonnaise dressing. Alden Products Co. 181,108; Mar. 11; Serial No. 186,208; published Jan. 1, 1924.
Meats, boiled ham, and lard, Smoked. C. Swanston & Son. 180,985; Mar. 11; Serial No. 187,394; published Dec. 25, 1923.
Meats, poultry, fresh fruits and vegetables, Fresh and smoked. C. Pisner. 180,849; Mar. 11; Serial No. 174,591; published Sept. 11, 1923.
Milk and milk products. Bernese Alps Milk Co. 180,886; Mar. 11; Serial No. 176,532; published Dec. 25, 1923.
Milk, Condensed and evaporated. Libby, McNeill & Libby. 180,904; Mar. 11; Serial No. 185,370; published Jan. 1, 1924.
Milk, Powdered skimmed. Merrell-Soule Company. 181,001; Mar. 11; Serial No. 172,802; published Jan. 1, 1924.
Mustard, Prepared. Stickney & Poor Spice Co. 181,145; Mar. 11; Serial No. 183,174; published Jan. 1, 1924.
Noodles, Fresh-egg. M. Rubenstein. 181,190; Mar. 11.
Oil and macaroni, Olive. F. Zichello. 181,096; Mar. 11; Serial No. 186,174; published Dec. 25, 1923.
Oil, Hydrogenated coconut. Best Foods, Inc. 181,160–1; Mar. 11; Serial Nos. 186,688–9; published Dec. 25, 1923.
Oil, Olive. Edson Bros. 180,852; Mar. 11; Serial No. 174,296; published Jan. 1, 1924.
Oil, Sesame. Menorah Food Products Co. 181,067; Mar. 11; Serial No. 183,983; published Dec. 25, 1923.
Oils, Vegetable. Vegetable Oil Products Company. 180,877; Mar. 11; Serial No. 186,765; published Jan. 1, 1924.
Peanut bar. Taylor Candy Company. 181,090; Mar. 11; Serial No. 186,034; published Dec. 25, 1923.
Peanut brittle. Old Virginia Peanut Brittle Co. 181,154; Mar. 11; Serial No. 187,091; published Jan. 1, 1924.
Pickles. O. A. Fanning. 181,107; Mar. 11; Serial No. 186,224; published Jan. 1, 1924.
Potatoes, Sweet. Texas Distributing Company. 180,954; Mar. 11; Serial No. 184,627; published Dec. 25, 1923.
Puddings and pies, Compound for making. Fruit Valley Corporation. 180,899; Mar. 11; Serial No. 185,696; published Jan. 1, 1924.
Salad dressing. S. G. Whitsitt. 181,083; Mar. 11; Serial No. 183,616; published Oct. 30, 1923.
Sausage, Pure pork. Armstrong Packing Company. 181,177; Mar. 11.
Semolina. W. P. Tanner-Gross & Co. 181,082; Mar. 11; Serial No. 183,609; published Dec. 25, 1923.
Tea, coffee, spices, and food-flavoring extracts. Unity Manufacturing Co. 180,950; Mar. 11; Serial No. 184,878; published Jan. 1, 1924.
Tea, coffee, spices, food-flavoring extracts. Unity Manufacturing Co. 180,944; Mar. 11; Serial No. 184,879; published Jan. 1, 1924.

Tea, shelled walnuts, vinegar, and tomato catchup. John Scowcroft & Sons Company. 181,118; Mar. 11; Serial No. 182,015; published Dec. 25, 1923.

Waffles. Orange Mill Company. 181,125; Mar. 11; Serial No. 181,232; published Dec. 25, 1923.

Yeast. Fleischmann Company. 181,036; Mar. 11; Serial No. 147,020; published Dec. 18, 1923.

Yeast extract. J. J. Rick. 180,870; Mar. 11; Serial No. 187,018; published Dec. 25, 1923.

CLASS 50.

Blackboards and blackboard stands. Weber Costello Co. 181,115; Mar. 11; Serial No. 187,193; published Dec. 25, 1923.

Designs and photographs on glass, etc. Photoplating Company. 181,022; Mar. 11; Serial No. 106,535; published Dec. 25, 1923.

Knee rests. J. Novak. 181,150; Mar. 11; Serial No. 183,402; published Dec. 25, 1923.

ALPHABETICAL LIST OF LABELS.

B. B. B. Mite Exterminator. For Insect Powder. H. L. Borini. 27,057; Mar. 11.

B-K. For Canned Peas. Bozeman Canning Co. 27,058; Mar. 11.

California (Fleurs d'Ouest). For Talcum. H. Tyree. 27,078; Mar. 11.

Chinkapin. For Creamery Butter. Southern Food Products Company. 27,074; Mar. 11.

Dream of the Desert. For Talcum. H. Tyree. 27,077; Mar. 11.

Dr. Woodman's Perfection Paste. For Tooth Paste for Artificial Teeth. H. C. Woodman, D. M. D. 27,080; Mar. 11.

Easy-Shine Auto Polish. For Cans of Polish. Benu Manufacturing Company. 27,070; Mar. 11.

Fairyland. For Infants' Knitted Goods. Cohen Bros. Mfg. Co. 27,061; Mar. 11.

Lily White. For Bread Wrappers. Manbeck Baking Company. 27,065; Mar. 11.

Milto Maid. For Cotton, Linen, Silk, and Woolen Piece Goods. Milton Co. 27,068; Mar. 11.

Mo Co Cake Cones. For Cartons for Ice-Cream Cones. Richardson Company. 27,071; Mar. 11.

Petrovsk Brand Genuine Russian Caviar. For Russian Caviar. Caucasian Import and Trading Corporation. 27,059–60; Mar. 11.

Planet Handkerchiefs. For Handkerchiefs. M. G. Belief. 27,055; Mar. 11.

Premier The Taxicab of Distinction. For Taxicabs. Premier Cab Service, Inc. 27,069; Mar. 11.

Putney Walkeasy Shoe. For Leather Shoes. Stephen Putney Shoe Company. 27,075; Mar. 11.

Quaker Bread. For Wrappers for Bread. Menasha Printing and Carton Company. 27,066; Mar. 11.

Riddo Baby Napkins. For Baby Napkins. Riddo Products Company. 27,072; Mar. 11.

Rista Bread. For Bread. S. E. Loveless, Inc. 27,063; Mar. 11.

St. Clair Butter. For Cartons Containing Butter. Menasha Printing and Carton Company. 27,067; Mar. 11.

Silvo Plate. For Silver Polish and Plater. W. O. Holmes 27,062; Mar. 11.

Superior Brand Spearmint Chewing Gum. For Chewing Gum. Toledo Chewing Gum Company. 27,076; Mar. 11.

Sweet Loaf. For Bread Wrappers. Manbeck Baking Company. 27,064; Mar. 11.

Toss Them All. For Packages Containing Middies, Knickers, and Gymnasium Apparel. Sally Middy Co. 27,073; Mar. 11.

Trancilla The Economy Transfer Pattern. For Envelopes Containing Transfer Patterns. S. S. Bendick. 27,056; Mar. 11.

White Service Station. For Cartons Having the Appearance of a Garage, Containing Toy Vehicles. White Company. 27,079; Mar. 11.

ALPHABETICAL LIST OF PRINTS.

A newly realized danger to growing boys and girls—mental fatigue! For Wheat Breakfast Food. Cream of Wheat Co. 7,245; Mar. 11.

Fen-o-lax Gum Aromatic Laxative Chewing Gum. For Chewing Gum. F. P. Mitchell. 7,247; Mar. 11.

Mother's Ring. For Rings Made from Precious Metal. Arch Crown Mfg. Co. 7,244; Mar. 11.

Pabst. For Cheese. Pabst Corporation. 7,248; Mar. 11.

Protect your brand on the pantry shelf by using round Fibre Cans! For Containers. Piqua Straw Board Co. 7,249; Mar. 11.

The Heger Products Co. For Preparations for Dogs. Heger Products Co. 7,246; Mar. 11.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Charcoal, charcoal sticks and blocks. R. MacKellar's Sons Company. 176,487; Mar. 11.

Coal. Auburn Ash Coal Company. 189,928; Mar. 11.

Coal. Easterbrook Coal Company. 191,373; Mar. 11.

Coal. Peabody Coal Company. 190,896; Mar. 11.

Seed, Cotton-breeding. Mebane Cotton Breeding Association. 183,631; Mar. 11.

Sheets, bands, films, rods, and tubes made wholly or principally of cellulose derivatives. British Collulose and Chemical Manufacturing Company Limited. 173,166; Mar. 11.

CLASS 2.

Bags for the storage and protection of clothing, etc. A. H. Treulieb. 189,483; Mar. 11.

Barrels, Wooden. D. & A. D. Fessenden Co. 189,498; Mar. 11.

Boxes, Window. M. J. McArthur. 188,270; Mar. 11.

Vials, Perfume. Tangesell & Schreiber. 190,945; Mar. 11.

CLASS 3.

Bags, Leather hand. Sol Mutterperl, Inc. 191,551; Mar. 11.

Leather goods. Rex Leather Goods Corporation. 188,327; Mar. 11.

Trunks, Wardrobe. Seward Trunk and Bag Company. 191,577; Mar. 11.

CLASS 4.

Chemical composition. H. W. Goodnow. 186,704; Mar. 11.

Cleaning fluid, white canvas and kid cleaners. Bell Chemical Co. 190,087; Mar. 11.

Cleansing compound, Furniture. N. S. Hillyard. 180,601; Mar. 11.

Soap. Remmers Soap Company. 190,357; Mar. 11.

CLASS 6.

Antiseptic compounds. Loesch Bros. 190,843; Mar. 11.

Antiseptic for the treatment of pyorrhea, etc., and tooth powder, Healing and stimulating. H. R. Brown. 190,762; Mar. 11.

Application for blood poison, rheumatism, etc., External. J. M. Eck. 181,517; Mar. 11.

Balm, cream, or lotion, Skin and complexion. G. E. Bacorn. 184,783; Mar. 11.

Chemical product. Farbenfabriken vorm. Friedr. Bayer & Co. 190,774; Mar. 11.

Clay, cold cream, and hand lotion, Face. M. R. Kelly. 190,841; Mar. 11.

Creams, face powder, rouge, etc., Cold and almond. S. Glemby's Sons Co. 187,578; Mar. 11.

Douche, Antiseptic. S. Warner. 189,902; Mar. 11.

Dye soaps. Larkin Co. 190,258; Mar. 11.

Facial pack, bleach cream, hair restorer, etc. C. G. Sinclair. 190,068; Mar. 11.

Facial packs. J. Guernsey. 187,458; Mar. 11.

Fluid to judge rapidly of the fitness of motor fuels, Reactive. Wein & Serravallo. 183,545; Mar. 11.

Hematine crystals. American Dyewood Company. 175,180; Mar. 11.

Hair-dressing preparation. Amendola Brothers. 189,289; Mar. 11.

Hair restorers. A. D. Savage. 190,033; Mar. 11.

Hair tonics, face creams, shampoos, etc. Imperial Perfumery and Barber's Supplies, Inc. 172,383; Mar. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Insecticides. B. W. Hirsh, jr. 189,898; Mar. 11.

Iodine and bromine preparation, Liquid. H. J. Novack. 190,351; Mar. 11.

Laxative preparation. A. Deutsch. 188,587; Mar. 11.

Laxatives and purgatives. Encglotaria Medicine Co. 190,244; Mar. 11.

Liniment. S. B. Owens. 188,923; Mar. 11.

Medicinal preparation. M. Isaacs. 187,217; Mar. 11.

Medicinal preparation. M. V. Lewis. 176,841; Mar. 11.

Medicinal preparation. Tri-Me-Laboratories, Inc. 186,530; Mar. 11.

Medicinal preparation for the treatment of lung irritation, kidney trouble, etc. R. C. Page. 189,041; Mar. 11.

Medicinal preparation for tuberculosis and stomach troubles. A. M. Belden. 190,716; Mar. 11.

Medicinal preparations. I. J. Epstein. 186,423; Mar. 11.

Medicinal preparations. L. La Camera. 187,629; Mar. 11.

Ointment. H. Imker. 159,204; Mar. 11.

Perfume, toilet water, and face powder. Frederick Stearns & Company. 190,858–9; Mar. 11.

Perfume, toilet water, face powder, etc. Caron Corporation. 190,768; Mar. 11.

Perfume, toilet water, face powder, etc. Caron Corporation. 190,868; Mar. 11.

Perfume, toilet water, face powder, etc. Caron Corporation. 190,870; Mar. 11.

Pomade, shampoo, and tonic, and pressing oil, Hair. L. S. Osman. 191,566; Mar. 11.

Powder, Face. Caron Corporation. 190,769; Mar. 11.

Powder, Face. Caron Corporation. 190,869; Mar. 11.

Powders, Face and talcum. R. Lichtentag. 189,982; Mar. 11.

Preparation for the treatment of constipation, Kelp-Ol Company. 188,370; Mar. 11.

Preparation for the treatment of eczema and scabies. B. Kaiser. 181,528; Mar. 11.

Preparation, Kidney and bladder. F. B. Hursley. 191,586; Mar. 11.

Preparations for scenting perfumes and the like. Ungerer & Company. 187,887; Mar. 11.

Preparations for the treatment of piles. C. R. Simon. 188,278; Mar. 11.

Remedy for dyspepsia, etc. A. W. Rosemond. 187,129; Mar. 11.

Salves or ointments, Rubefacient or counterirritant. Larkin Co. 190,257; Mar. 11.

Shampoo. W. M. Ruthrauff. 155,639; Mar. 11.

Toilet preparations. George W. Luft Company. 177,748; Mar. 11.

Tonic, blood builder, and appetizer, General. Marion Lee Pharmacal Company. 189,981; Mar. 11.

CLASS 7.

Rope, Wire. Waterbury Company. 187,073; Mar. 11.

CLASS 8.

Cigar moisteners, Clay. M. Leventhal. 191,545; Mar. 11.

Cigarette papers, pipes, cigar and cigarette holders, etc. Société Job, Anciens Etablissements Bardou-Job et Pauilhac. 188,976; Mar. 11.

Pipes, Smoking. R. E. Combs. 191,057; Mar. 11.

CLASS 9.

Matches, Safety. F. H. Fromm. 191,310; Mar. 11.

Pistols, rifles, and ammunition. D. W. M. Armes & Ammunition Corporation. 191,368; Mar. 11.

CLASS 12.

Asphalt cement. National Payments Corporation of California. 190,850; Mar. 11.

Brick, Building. Carlyle-Labold Co. 191,164; Mar. 11.

Concrete construction, Bars, ropes, strips, etc., used in. Richard Hill & Co. Limited. 185,967; Mar. 11.

Marble, Black construction. Franco-Belgian Marble Co. 185,217; Mar. 11.

Marble, Blue Belgian building. Franco-Belgian Marble Co. 185,216; Mar. 11.

Roofing, Plastic asphalt asbestos. S. J. Harris. 188,677; Mar. 11.

Veneer and cut lumber. F. O. Gamble. 173,231; Mar. 11.

CLASS 13.

Antiskid automobile chain tightener. Electric Parts Corporation. 190,404; Mar. 11.

Dustpans, roasting pans, double boilers, etc. Republic Metalware Co. 186,072–4; Mar. 11.

Stair treads, ramp tops, etc. American Mason Safety Tread Company. 191,249; Mar. 11.

Valves, Air. W. A. Russell & Co. 191,187; Mar. 11.

CLASS 14.

Bearing metals and metal castings. Sumet Corporation. 191,454; Mar. 11.

CLASS 15.

Gasoline and motor oils. Sloane-Forsberg Oil Co. 187,022; Mar. 11.

Oil, axle grease, and lubricating oil. Cream-separator. Cassetty Oil and Grease Co. 175,184; Mar. 11.

Oils and lubricants, Motor. Canadian Independent Oil, Limited. 188,625; Mar. 11.

Oils, Lubricating. Sun Oil Company. 191,146–7; Mar. 11.

Petroleum and products of petroleum. Standard Oil Company of New York. 180,087; Mar. 11.

CLASS 16.

Enamels, lacquers, japans, paints, varnishes, etc. H. J. Hengsback. 189,563; Mar. 11.

Paint. H. B. Davis Company. 191,260–1; Mar. 11.

Paint and varnish remover. Junie Chemical Company. 190,254; Mar. 11.

Paints, varnishes, paint enamels, etc., Ready-mixed. Assets Producing Company. 179,920; Mar. 11.

Paints, varnishes, stains, etc. Warren Company. 190,039; Mar. 11.

Pigments. Toch Brothers, Incorporated. 191,199; Mar. 11.

Pigments, Paint. Toch Brothers, Incorporated. 191,200; Mar. 11.

Pipes, tanks, cans, and metal surfaces, Coating for. Durable Products Company. 189,493; Mar. 11.

Polish. W. H. Tobias. 191,149; Mar. 11.

Polishes. B. M. Hulsh. 189,313; Mar. 11.

Shellac, Prepared. Twin City Shellac Co. 189,283; Mar. 11.

Varnish. R. F. Johnston Paint Company. 190,298; Mar. 11.

Varnishes. McDougall-Butler Co., Inc. 191,180; Mar. 11.

Wall coating, Dry base for. J. F. Kurfees Paint Company. 190,104; Mar. 11.

CLASS 17.

Cigars. Justin Seubert, Inc. 183,634; Mar. 11.

CLASS 19.

Carriages, Baby and children's. F. A. Whitney Carriage Co. 187,558; Mar. 11.

Vehicles, Supplementary springs for. Jenkins Vulcan Spring Co. 169,714; Mar. 11.

CLASS 21.

Batteries, Dry storage. Sahara Dry Battery Company. 180,028; Mar. 11.

CLASS 22.

Baits and lures, fishing rods and hooks, etc., Fish. James Heddon's Sons. 162,112; Mar. 11.

Baseball gloves and bats. B. J. Ricker. 189,950; Mar. 11.

Bats, Baseball. M. R. Campbell, Inc. 191,001; Mar. 11.

Doll carriages. F. A. Whitney Carriage Co. 191,245; Mar. 11.

Dolls. Berg Brothers, Inc. 191,216; Mar. 11.

Dolls. H. V. Reader. 187,019; Mar. 11.

Game, Table. L. Hillson. 184,132; Mar. 11.

CLASS 23.

Air compressors and pumps. Ingersoll-Rand Company. 191,267; Mar. 11.

Files and rasps. Kearney & Foot Company. 190,884; Mar. 11.

Grinding machine. Giddings & Lewis Machine Tool Company. 191,072; Mar. 11.

Handsaws. Economic Hand-Saw Company. 185,178; Mar. 11.

Lathes. Sebastian Lathe Co. 183,761; Mar. 11.

Sharpeners, Magnetic razor-blade. T. G. Lovegrove. 186,917; Mar. 11.

Sponge roller. Benjamin Moore & Co. 190,549; Mar. 11.

CLASS 24.

Laundry appliances and machines. National Marking Machine Company. 188,424; Mar. 11.

Pressing appliances, Electrically-operating. Home Appliance Mfg. Co. 186,955; Mar. 11.

CLASS 26.

Drawing instruments. K. Keller. 189,724; Mar. 11.

Drawing instruments. Keuffel & Esser Company. 189,250; Mar. 11.

Penmanship and lettering guides. Overseer Company. 191,398; Mar. 11.

Photomechanical machines. Lithoprintex Corporation. 190,694; Mar. 11.

Picture films, Motion. Tri-Stone Pictures, Inc. 189,647; Mar. 11.

CLASS 29.

Brooms, combination brushes, hand dusters, etc., Floor and steel-wire. S. Lewis. 187,749; Mar. 11.

Dusters, Cotton-waste. H. K. Williams. 189,927; Mar. 11.

Mops and roving prepared therefor, Scrubbing and polishing. H. I. Klawans. 189,418; Mar. 11.

CLASS 30.

Crockery, china, earthenware, pottery. C. W. McClure. 182,164; Mar. 11.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 32.

Furniture. Ira F. Powers Furniture Co. 189,816; Mar. 11.
Mirrors, Shaving. H. De Haven. 188,045; Mar. 11.
Shade pulls. F. W. Maurer & Sons Co. 189,327; Mar. 11.
Shade pulls. F. W. Maurer & Sons Co. 189,331; Mar. 11.
Tassels, Shade. F. W. Maurer & Sons Co. 189,323; Mar. 11.
Tassels, Shade. F. W. Maurer & Sons Co. 189,329–30; Mar. 11.

CLASS 33.

Glass bottles. Illinois Glass Company. 188,592; Mar. 11.

CLASS 34.

Air washing and cooling equipment. Spray Engineering Company. 189,279; Mar. 11.
Heaters, Gas. Grayson & Dressel Mfg. Co. 190,052; Mar. 11.
Miners' lamps. Fred R. Belt Company. 190,003; Mar. 11.

CLASS 35.

Automobile tubes and rubber goods, Outfits for repairing. C. L. Montgomery. 184,739; Mar. 11.
Packing and packing material. Garlock Packing Company. 189,174; Mar. 11.

CLASS 37.

Paper. J. H. W. Jones. 187,466; Mar. 11.
Paper and mailing envelopes. Eastern Manufacturing Company. 191,171; Mar. 11.
Paper, and paper towels and napkins, Toilet. Wortendyke Manufacturing Co. 186,345; Mar. 11.
Paper products. Continental Paper & Bag Mills. 191,169; Mar. 11.
Paper, Toilet tissue. National Paper Products Company. 191,561; Mar. 11.
Paper, Wall. Independent Wall Paper Company. 183,153; Mar. 11.
Papers and envelopes, Writing. Samuel Ward Mfg. Co. 190,951; Mar. 11.
Pencils, Writing. Koh-i-noor Bleistiftfabrik L. & C. Hardtmuth in Budweis. 189,795; Mar. 11.

CLASS 38.

Magazine, Monthly. Yachting Incorporated. 189,959; Mar. 11.
Publication. Bernhard Ulmann Co. 188,508; Mar. 11.

CLASS 39.

Brassières. Fashioniere, Inc. 190,192; Mar. 11.
Coats. Braemoor Coat Company. 189,656; Mar. 11.
Coats and jackets, Women's. Harry Kitzinger & Co. 190,931; Mar. 11.
Coats and ulsters. Warmbirds, Inc. 189,540; Mar. 11.
Coats, cloaks, wraps, capes, etc. Salt's Textile Manufacturing Company. 189,117; Mar. 11.
Corsets, Girdle. L. Bamberger & Co. 190,327; Mar. 11.
Dresses, bungalow aprons, kimonos, etc., House. W. Weber. 190,990; Mar. 11.
Furs, skirts, coats, suits, dresses, etc. Chas. A. Stevens & Bros. 182,448; Mar. 11.
Garters. Knothe Brothers Co. 190,100; Mar. 11.
Girdles. Franco Corset Co. 190,540; Mar. 11.
Hats, Ladies'. Ackerman & Rosenthal, Inc. 190,664; Mar. 11.
Hats, Ladies'. F. Z. Leschin. 185,083; Mar. 11.
Hosiery. L. S. Donaldson Company. 189,040; Mar. 11.
Hosiery, S. I. Entwistle. 192,060; Mar. 11.
Hosiery. Hampson Brothers, Inc. 190,966; Mar. 11.
Hosiery. Julius Kayser & Co. 189,626; Mar. 11.
Neckties, cravats, and scarfs. H. Gottfried, Inc. 189,616; Mar. 11.
Sandals, Leather. Collins & Staples. 189,933; Mar. 11.
Shirts. Colorfast Shirt Co. 159,306; Mar. 11.
Shirts. Euro Shirt Co. 189,102; Mar. 11.
Shirts and blouses. Rob Roy Company. 179,624; Mar. 11.
Shirts, Work. A. Wiener. 189,344; Mar. 11.
Shoes and slippers, Felt. International Shoe Company. 189,977; Mar. 11.
Sweaters and sweater coats. Fain Knitting Mills, Inc. 190,156; Mar. 11.
Undergarments, Women's and girls'. H. Maurer. 190,892; Mar. 11.

CLASS 40.

Buttons. Morley Button Manufacturing Co. 190,423; Mar. 11.
Elastic bands used in the manufacture of neckties. Governor Fastener Company. 189,401; Mar. 11.
Hairpins and hand sewing needles, Wire. Associated Merchandising Corporation. 189,231; Mar. 11.
Pins, Safety. Art Wire and Stamping Company. 191,251–2; Mar. 11.
Tape, Bias. Percy Gardner Corporation. 191,036; Mar. 11.
Tape, Cambric. May Department Stores Company 190,798; Mar. 11.
Tapes and braids. S. Lasher. 188,684; Mar. 11.
Webbing, Elastic. Kops Bros. Inc. 190,545; Mar. 11.

CLASS 42.

Cotton piece cloths. E. Millus & Company. 188,851; Mar. 11.
Cotton piece goods. American Printing Company. 187,190–1; Mar. 11.
Cotton piece goods. John Farnum Co. 186,460; Mar. 11.
Hair nets. N. B. Cohen & Bro. 189,709; Mar. 11.
Hair nets. Yvette Co. 187,366; Mar. 11.
Knitted pile fabrics. Artsilk Knitting Mills. 188,785; Mar. 11.
Silks in the piece. Jansen & Pretzfeld, Inc. 187,219; Mar. 11.
Textile fabrics. American Mills Company. 189,291; Mar. 11.

CLASS 43.

Package containing yarn, Art-needlework. Bernhard Ulmann Co. 184,696; Mar. 11.

CLASS 44.

Bottles, baby comforters, breast pumps, etc., Water. Faultless Rubber Company. 189,453; Mar. 11.
Dental golds. J. F. Jelenko & Co. 191,321; Mar. 11.
Electromedical apparatus. Bleadon-Dun Company. 171,784; Mar. 11.
Inhalers, Medicated dry gas. Michigan Inhalatorium Co. 191,497; Mar. 11.
Nipples, Nursing. Faultless Rubber Company. 189,304; Mar. 11.
Tourniquets. Braecklein & Braecklein. 188,523; Mar. 11.

CLASS 45.

Beverages sold as soft drinks. W. C. Henderson. 181,890; Mar. 11.
Water, Natural mineral. Pine Crest Sanitarium. 190,555; Mar. 11.

CLASS 46.

Biscuits, crackers, wafers, and cakes. National Biscuit Company. 182,432; Mar. 11.
Bread. Rubel Baking Co. 189,818; Mar. 11.
Cake. M. E. Jones. 177,440; Mar. 11.
Candies. F. M. Kranz. 189,462; Mar. 11.
Candies. J. J. McGrath. 191,390; Mar. 11.
Candy. King Candy Co. 191,324; Mar. 11.
Candy. Universal Theatres Concession Co. 191,106; Mar. 11.
Candy, candied fruit, pop corn, etc. Nutrine Mfg. Co. 191,085; Mar. 11.
Candy, Chocolate. R. L. Bernard. 168,822; Mar. 11.
Canned beans and chile con carne. D. C. Blacker. 182,199; Mar. 11.
Canned caviar. S. Rosenberg. 188,220; Mar. 11.
Canned cod cuts, smoked halibut, salmon, etc. Norse Crown Canning Co. 185,491; Mar. 11.
Canned vegetables. B. F. Julian. 190,099; Mar. 11.
Cheese. Gerber & Co. A. G. 189,499; Mar. 11.
Eggs and butter. H. W. Slater. 185,507; Mar. 11.
Flour, whole dried and split peas, dried beans, etc., Pea. Heinr. Franck Sons, Inc. 189,243; Mar. 11.
Food, Breakfast cereal. H. C. Jones. 188,051; Mar. 11.
Fruits, Fresh citrous. Crosby-Wartmann Packing Co. 186,588; Mar. 11.
Fruits, Fresh citrous. Winter Garden Citrus Growers Association. 191,112; Mar. 11.
Fruits, Fresh deciduous. Cedaredge Fruit Company. 191,056; Mar. 11.
Fruits, Fresh deciduous. G. W. Conner. 183,253; Mar. 11.
Gum, Chewing. Adirondack Spruce Products Assn. 189,877; Mar. 11.
Ice-cream cones. Bes-Cone Company. 190,667; Mar. 11.
Milk drink. S. S. Jerwan. 170,248; Mar. 11.
Milk food beverage, Prepared. Frank Goetz Bakery Company. 186,638; Mar. 11.
Oils, Edible. Standard Oil Company. (New Jersey). 190,747; Mar. 11.
Oranges. W. P. Peyton Fruit Co. 191,282; Mar. 11.
Oxtongues, sheep tongues, luncheon beef, etc. Queensland Meat Export Company. 122,404; Mar. 11.
Raisins and candy, Chocolate-covered. D. B. Erminger. 191,374; Mar. 11.
Salad dressing. Charles Gulden, Inc. 187,674–5; Mar. 11.
Sauce, Table. Anglo-American Industrial & Com. Co. 181,331; Mar. 11.
Sausage, bologna, smoked meats, etc., Kosher. M. Beallo. 189,149; Mar. 11.
Tea. Russische Tee Import Gesellschaft m. b. H. Kjachta. 181,780; Mar. 11.
Vegetables and cantaloupes, Fresh. V. M. Gerrard. 184,610; Mar. 11.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Ackermann, Frank. (See Gould H., Ackermann, and Geering.)
Adams, Charles D., St. Augustine, Fla. Divided-hull vessel. 1,486,620; Mar. 11.
Adams, James A., assignor to The Boston Manufacturing Company, 1901, Waltham, Mass. Loom. 1,486,272; Mar. 11.
Adams, Wilber E., Detroit, Mich. Auxiliary air inlet for internal-combustion engines. 1,486,219; Mar. 11.
Adler, Milton D., New York, N. Y. Coin receptacle. 1,486,621; Mar. 11.
Ahlgren, John. (See Johnson, F. A., and Ahlgren.)
Ailhaud, Fabien, Beauvais, France. Apparatus to sterilize liquids by means of ultra-violet rays. 1,486,473; Mar. 11.
Akemann, Walther, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Conning turret. 1,486,114; Mar. 11.
Aktiebolaget Industribostader. (See Ottosson-Elliot, H., and Jönsson, assignors.)
Aktiebolaget Ljungströms Ångturbin. (See Ljungström, Fredrik, assignor.)
Aktiebolaget Svenska Pressgjuteriet. (See Hult, Carl J., assignor.)
Aldrich, Anthony B., Washington, D. C. License-tag fastener. 1,486,719; Mar. 11.
Allen, Edwin C., Chicago, Ill. Golf club. 1,486,823; Mar. 11.
Allen, Robert C., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Balancing-machine bearing. 1,486,115; Mar. 11.
Allison, Charles M., Worcester, Mass. Permutation lock for steering columns. 1,486,273; Mar. 11.
Aluminum Manufactures, Incorporated. (See Blank, M. H., and Edgerton, assignors.)
American Can Company, The. (See Jones, Harry W., assignor.)
American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Fabrics Company, The. (See Philips, Hans A., assignor.)
American Investigation Corporation. (See Schuette, Johann, assignor.)
American Laundry Machinery Company, The. (See Waream, Charles E., assignor.)
American Magnesium Corporation. (See Glenn, Roland M., assignor.)
American Optical Company. (See Baker, Nelson M., assignor.)
American Steel Foundries. (See Floyd, George G., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
Anderson, Augustus, Terre Haute, Ind. Self-adjusting doorknob. 1,486,824; Mar. 11.
Anderson, Charles T. (See Grieten, Frederick M., assignor.)
Anderson, Harold W. (See Jonassen, Alfred C., assignor.)
Anderson, James B., assignor to Pumpless Blow Torch Company, Pittsburgh, Pa. Automatic valve. 1,486,116; Mar. 11.
Anderson, James E., San Francisco, Calif. Cap for collapsible metal containers. 1,486,216; Mar. 11.
Angell, Chester M., Chicago, Ill., assignor to Vesta Battery Corporation. Clamp for lead molds. 1,486,622; Mar. 11.
Angus, Arthur R., London, England. Control of railway trains. 1,486,538; Mar. 11.
Anteimi, Gaetano, Brooklyn N. Y. Novelty coin case for bathers. 1,486,178; Mar. 11.
Anthony, David S., San Antonio, Tex. Boring-bar holder. 1,486,407; Mar. 11.
Anthony, David S., San Antonio Tex. Boring bar. 1,486,408; Mar. 11.
Arnstein, Karl, assignor to the Firm: Luftschiffbau Zeppelin, Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Anchoring means for airships. 1,486,623; Mar. 11.
Aschenbach, Richard, Sheboygan, Wis. Chicken brooder. 1,486,117; Mar. 11.
Aseltine, Fred E., Dayton, Ohio. Manifold. 1,486,400; Mar. 11.
Asher, Herman, et al., executors. (See Ellis, C., and Cohen.)
Ashman, David B., Baltimore, Md., assignor to The Goldberg Padding Machine Company, Cincinnati, Ohio. Machine for slitting plies of fabric. 1,486,825; Mar. 11.
Atkinson, William J., Atlanta, Ga. Metal fitting. 1,486,826; Mar. 11.
Atticks, Henry J., New York, and H. A. Coussirat, Brooklyn, N. Y. Coupling. 1,486,316; Mar. 11.
Atwater Kent Manufacturing Company. (See Evans, William A., assignor.)
Automatic Machinery and Equipment Company. (See Hires, John E., assignor.)
Bachman, Rudolph, assignor to U. S. Slicing Machine Company, Laporte, Ind. Driving mechanism for slicing machines. 1,486,274; Mar. 11.
Bagnall, Guy P., Los Angeles, Calif. Direction indicator for motor driven vehicles. 1,486,410; Mar. 11.
Bain, James H., West Cheshire, Conn. Folding shoe-polishing stand. 1,486,118; Mar. 11.
Bajus, John, Canaanville, Ohio. Oil-well grapple. 1,486,624; Mar. 11.
Baker, Harry L., Los Angeles, Calif. Machine for trimming solid tires. 1,486,474; Mar. 11.
Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Eyeglass case. 1,486,119; Mar. 11.
Ball, George E., assignor to Whiting Manufacturing Company, Bridgeport, Conn. Spoon or similar article. Des. 64,157; Mar. 11.
Barnes, Edward A., Fort Wayne, Ind., assignor to The Deister Concentrator Company. Driving mechanism for ore concentrators. 1,486,827; Mar. 11.
Barnes, Harold W., Indianapolis, Ind. Dispensing pump. 1,486,828; Mar. 11.
Barnett, (Mrs.) Rose. (See Smith, William M. A., assignor.)
Barry, James F., Dallas, Tex., assignor to Rival Safety Razor Corporation. Manufacturing safety-razor blades. 1,486,317; Mar. 11.
Basel, Frank, assignor of one-half to P. Halloran, Minneapolis, Minn. Roof-valley shingle. 1,486,559; Mar. 11.
Bastien, Jules A., Gloucester, N. J. Revolving grate and frame for steel ranges. 1,486,829; Mar. 11.
Baum, Frank A., Hamilton, Ohio. Caster. 1,486,217; Mar. 11.
Bausch & Lomb Optical Company. (See Bausch, W., and Poser, assignors.)
Bausch, William, and M. Poser, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Lens. 1,486,720; Mar. 11.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,486,120; Mar. 11.
Bebiolka, John. (See Seefluth, C. G., and Bebiolka.)
Becker, Alfonse N., et al., trustees. (See Becker, Alfonse N., assignor.)
Becker, Alfonse N., Chicago, Ill., assignor to A. N. Becker, C. T. Jacobs, and E. V. Lundgren, trustees of Automatic Garage Systems, a Trust. Storage and handling of motor vehicles. 1,486,275; Mar. 11.
Becker, Robert A., Poughkeepsie, N. Y. Grounding clamp for electric wires. 1,486,560; Mar. 11.
Beckner, Frank O., South Bend, Ind. Diesinking machine. 1,486,121; Mar. 11.
Belcher, George E., Orleans, Mass. Divided last. 1,486,511; Mar. 11.
Belches, Peter B., St. Louis, Mo. Clutch-pedal-locking device. 1,486,218; Mar. 11.
Bélisle, Fernand, Ottawa, Ontario, Canada. Self-feeding gang-punching machine. 1,486,561; Mar. 11.
Bell, William I. (See Brueggeman, Frank, assignor.)
Bellocchio, John, New York, N. Y. Toy gun. 1,486,625; Mar. 11.
Bemis, Charles B., Athol, Mass. Dispensing apparatus for confections. 1,486,562; Mar. 11.
Bennett, Henry A., Aurora, Ill. Lever. 1,486,721; Mar. 11.
Benoit, Joseph F., assignor to Sanford Mills, Sanford, Me. Pile-fabric loom. 1,486,220; Mar. 11.

Bergen, Peter H., Goessel, Kans. Composition of matter for use as a lubricant for vehicle springs. 1,486,563; Mar. 11.
Bernát, Aaron G., San Diego, Calif. Brush. 1,486,722; Mar. 11.
Bernson, Maurice F., Canadian, Tex. Jack. 1,486,723; Mar. 11.
Berry, Edgar, Buenos Aires, Argentina, assignor to Radio Corporation of America. Means for controlling the flow of electrons in electric discharge devices. 1,486,221; Mar. 11.
Berry, Irwin, Wilmette, Ill. Bumper. 1,486,222; Mar. 11.
Bertin, Henri L., Paris, France. Machine for the manufacture of milling cutters with constant profile. 1,486,411; Mar. 11.
Bethlehem Steel Company. (See Merryweather, Hubert, assignor.)
Betley, Stanislaw J., Philadelphia, Pa. Spittoon cleaner. 1,486,623; Mar. 11.
Beynon, Rees. (See Reeves, G. C., Hintz, and Beynon.)
Bibb, Carlisle H., New Brunswick, N. J. Making aldehydes and other oxidation products. Re15,789; Mar. 11.
Biddlecom Mfg. Co. (See Biddlecom, Roy W., assignor.)
Biddlecom, Roy W., assignor to Biddlecom Mfg. Co., Glendale, Calif. Electric bed warmer. 1,486,412; Mar. 11.
Bird & Son, Inc. (See Pettingill, Walter E., assignor.)
Bird, Thomas J., Seattle, Wash. Lifting jack. 1,486,179; Mar. 11.
Birney, George C., Chester, Pa. Household-boiler connection. 1,486,475; Mar. 11.
Bivins, Ike, Independence, Kans. Kiln. 1,486,359; Mar. 11.
Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)
Blank, Merton H., and A. H. Edgerton, assignors, by mesne assignments, to Aluminum Manufacturers, Incorporated, Cleveland, Ohio. Wheel. 1,486,122; Mar. 11.
Blaski, Benjamin P., assignor to Blaski Manufacturing Co., Chicago, Ill. Skylight. 1,486,276; Mar. 11.
Blaski Manufacturing Co. (See Blaski, Benjamin P., assignor.)
Blaw-Knox Company. (See Venable, William M., assignor.)
Bloemker, Charles W., Philadelphia, Pa. Repeating device for sound-reproducing machines. 1,486,724; Mar. 11.
Bloss, Ernest F., assignor of one-half to F. W. Dold, Wichita, Kans. Utilizing hog bladders as casings for chopped or ground meats. 1,486,476; Mar. 11.
Bock, Herman, assignor of one-half to J. Sander, Milwaukee, Wis. Automobile signal. 1,486,477; Mar. 11.
Bodeen, Olof, Port Wing, Wis. Chain fastener. 1,486,627; Mar. 11.
Boley, Joseph L., and B. E. Felts, King City, Mo. Engine-cooling fan. 1,486,123; Mar. 11.
Bond, Edgar T., Chicago, Ill. Knockdown crate. 1,486,478; Mar. 11.
Bong Battery Corporation. (See Bong, C. H., and Sorensen, assignors.)
Bong, Clarence H., and C. P. Sorensen, assignors to Bong Battery Corporation, Chicago, Ill. Storage-battery construction. 1,486,124; Mar. 11.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Carline. 1,486,318; Mar. 11.
Boon, Bud W., Dardanelle, Ark. Plant-setting machine. 1,486,512; Mar. 11.
Borgen, Chris, Burbank, S. Dak. Gas-line cut-off. 1,486,277; Mar. 11.
Borges, Mary, New Bedford, Mass. Shade and curtain fixture. 1,486,413; Mar. 11.
Bösebeck, Emil, Barmen, and E. Türck, Langerfeld, near Barmen, Germany. Machine-made lace. 1,486,816; Mar. 11.
Boston Manufacturing Company, 1901, The. (See Adams, James A., assignor.)
Bostroem, August, assignor to S. R. Schwartz, New York, N. Y. Lamp shade and means for mounting the same. 1,486,319; Mar. 11.
Böttiger, Wilhelm, Biebesheim, Germany. Method for the manufacturing of radiator nipples. 1,486,479; Mar. 11.
Boynton & Co. (See Forsyth, William H., assignor.)
Brady, Thomas, Woodcliff, N. J. Door-operating device. 1,486,275; Mar. 11.
Brecht, Gus V., Butchers' Supply Company. (See Deacon, Edward F., assignor.)
Breslauer, Adolph, et al., executors. (See Ellis, C., and Cohen.)
Breslavsky, Hyman. (See Sworbell, John A., assignor.)
Brest, Sam, Chicago, Ill. Automobile radiator heater. 1,486,480; Mar. 11.
Brier, William W., Los Angeles, Calif. Concrete casing for piles. 1,486,414; Mar. 11.
Briggs, Robert. (See Samuels, H., and Briggs.)
Brixey, Austin D., New York, N. Y., assignor to Ordinator Company, Inc. Shade fitting. 1,486,830; Mar. 11.
Brook, Harry, assignor to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Chain-drive mechanism for bobbin shafts of roving frames. 1,486,831; Mar. 11.
Brown, Brazelton T., assignor to National Automatic Wireless Baler Company, Indianapolis, Ind. Automatic wireless baler. 1,486,360; Mar. 11.
Brown, Charles W., Chicago, Ill. Conveyer system. 1,486,320; Mar. 11.
Brown, Wallace R., Olean, N. Y. Knife. 1,486,725; Mar. 11.
Bruggeman, Carl W. (See Bruggeman, Charles W. and C. W.)
Bruggeman, Charles W. and C. W., Farmington, Iowa. Stock-watering trough. 1,486,224; Mar. 11.
Brueggeman, Frank, assignor of one-half to W. I. Bell, Chicago, Ill. Safety-island light fixture. 1,486,223; Mar. 11.
Bryant Electric Company, The. (See Thomas, George B., assignor.)
Buchenberg, Alvin E., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Starting and ignition system. 1,486,628; Mar. 11.
Buchsbaum, Samuel, Chicago, Ill. Jewelry case. 1,486,629; Mar. 11.
Bucyrus Company. (See Fykse, Mitchell L., assignor.)
Buffard, Charles F., Paris, France. Recuperation cell. 1,486,726; Mar. 11.
Burchell, Theophilus T., Akron, Ohio. Automatic hose coupling. 1,486,279; Mar. 11.
Burnett, George T., Zeigler, Ill. Bathhouse shoe. 1,486,630; Mar. 11.
Burpee, Frank W., Chicago, Ill. Can-seaming machine. 1,486,225; Mar. 11.
Busiek, William A., Belleville, Ill. Range. 1,486,564; Mar. 11.
Butterfield, Everett N., Auburn, Nebr. Hitching device for whiffletrees and the like. 1,486,361; Mar. 11.
Byers, John A., assignor to James B. Clow & Sons, Chicago, Ill. Core. 1,486,631; Mar. 11.
Campbell, Charles W. R., Germiston, Transvaal, and F. G. A. Roberts, Parktown, Johannesburg, Transvaal, South Africa. Optical system. 1,486,362; Mar. 11.
Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Tilt shaft for band mills. 1,486,632; Mar. 11.
Canedy-Otto Mfg. Co. (See Cole, Frank L., assignor.)
Capstaff, John G., and N. B. Green, assignors to Eastman Kodak Company, Rochester, N. Y. Motion-picture apparatus. 1,486,226; Mar. 11.
Carbic Limited. (See Them, Hermann, assignor.)
Carling, William T., Guildford, England. Variable-speed gearing. 1,486,565; Mar. 11.
Carlson, Hjalmar G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Making chuck sleeves. 1,486,280; Mar. 11.
Carter, Frederick W., Lemon Grove, Calif. Vehicle speed indicator. 1,486,227; Mar. 11.
Carver, Fred S., East Orange, N. J. Ejecting apparatus for presses. 1,486,633; Mar. 11.
Cash, James, San Francisco, Calif. Fire extinguisher. 1,486,321; Mar. 11.
Cash, James, and L. F. Richards, San Francisco, Calif. Manually and automatically operated fire-extinguishing apparatus. 1,486,363; Mar. 11.
Caskey, Wayne, Walkerville, Mich. Antislipping device for vehicle wheels. 1,486,634; Mar. 11.
Casper, Albert, Vallejo, Calif. Meter box. 1,486,415; Mar. 11.
Cather, Clarence G., Selma, Calif. Combination sanitary display and storage tray. 1,486,416; Mar. 11.
Chadwick, Emanuel, Detroit, Mich. Steam-line control. 1,486,281; Mar. 11.
Chandler, Fred, Yakima, Wash. Mower attachment for tractors. 1,486,727; Mar. 11.
Chapman, Richard B., Santa Barbara, assignor of one-half to B. C. Stephens, Los Angeles, Calif. Adjustable shelf. 1,486,364; Mar. 11.
Cheely, Samuel, Lodi, Calif. Rat guard for ship cables. 1,486,417; Mar. 11.
Chemical Foundation, Inc., The. (See Fleischer, Emil, assignor.)
Chemical Foundation, Inc., The. (See Gerngross, O., and Kast, assignors.)
Chemical Foundation, Inc., The. (See Tambach, Rudolf, assignor.)
Chesson, Andrew J., Kinston, N. C. Tobacco truck. 1,486,728; Mar. 11.
Chicago Carton Company. (See Johnson, Edward W., assignor.)
Child, Edmund S. J., Oakland, Calif. Cardboard-box-routing machine. 1,486,228; Mar. 11.
Cholitz, Frederick F., Ellsworth, Kans. Tread-increasing means for traction wheels. 1,486,322; Mar. 11.
Christensen, Jens H., Holte, Denmark. Multicolor screen and producing the same. 1,486,635; Mar. 11.
Chrome Steel Works. (See Spitzfaden, Louis, assignor.)
Cincinnati Bickford Tool Company, The. (See Klausmeyer, David C., assignor.)
Cincinnati Galvanizing Company, The. (See Heisel, John, assignor.)
Clardy, George D., Passaic, N. J., assignor to Gillette Safety Razor Company, Boston, Mass. Hair-trimming device. 1,486,418; Mar. 11.
Clark, Harold H., assignor to Wico Electric Company, Springfield, Mass. Interrupter mechanism. 1,486,229; Mar. 11.
Clark, James H., assignor to H. J. Cohn, Richmond, Va. Fan-belt adjuster. 1,486,729; Mar. 11.
Claybourn, Leslie W., Milwaukee, Wis. Printing-plate-securing means. 1,486,323; Mar. 11.

Cleveland Tractor Company, The. (See Gruber, Edward, assignor.)
Cleveland Tractor Company, The. (See Heinkel, Christian F., assignor.)
Clow, James B., & Sons. (See Byers, John A., assignor.)
Codman, William, Providence, R. I. Spoon or similar article. Des. 64,158; Mar. 11.
Cohen, George, et al., executors. (See Ellis, C., and Cohen.)
Cohen, Mortimer J. (See Ellis, C., and Cohen.)
Cohn, Albert. (See Debs, Louis H., assignor.)
Cohn, Henry J. (See Clark, James H., assignor.)
Cole, Frank L., assignor to Canedy-Otto Mfg. Co., Chicago Heights, Ill. Motor stand. 1,486,481; Mar. 11.
Coleman, Laurence V. (See Weeks, Frank A., assignor.)
Collette, Louis, Spencer, Mass. Antiskid and grip device for motor-driven vehicles. 1,486,730; Mar. 11.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Tray or similar article of manufacture. Des. 64,159; Mar. 11.
Cook, Walter H., New Orleans, La. Electric illuminating device. 1,486,731; Mar. 11.
Cooper, John J., Stamford, Conn. Exercising apparatus. 1,486,732; Mar. 11.
Copony, Alfred, assignor to Copony Auto Loading Company, Detroit, Mich. Automobile decking device. 1,486,636; Mar. 11.
Copony Auto Loading Company. (See Copony, Alfred, assignor.)
Corl, Charles W., State College, Pa. Stock feeder. 1,486,733; Mar. 11.
Corning Glass Works. (See Parsons, William P., assignor.)
Coussirat, Henry A. (See Atticks, H. J., and Coussirat.)
Coval, Peter, Pittsburgh, Pa. Apparatus for drawing boiler tubes. 1,486,637; Mar. 11.
Cowles, George, Sacramento, Calif. Hot-water heater. 1,486,482; Mar. 11.
Cox, David H., Roselle, N. J. Tire-gauge holder. 1,486,230; Mar. 11.
Cox, William C., Washington, D. C. Periscope attachment for cameras. 1,486,231; Mar. 11.
Craig, Peter D., Chicago, Ill. Box corner. 1,486,513; Mar. 11.
Crane, William M., Company. (See O'Dowd, Henry W., assignor.)
Crawford, Vinyard O., Heavener, Okla. Antibutting attachment for animals. 1,486,419; Mar. 11.
Crecelius, Carl F., Falmouth, Ky. Automobile pocket. 1,486,566; Mar. 11.
Cremean, William F., Toledo, Ohio. Car-door arrangement. 1,486,232; Mar. 11.
Crockett, Jesse E., Humble, Tex. Machine for uniting pipe sections. 1,486,125; Mar. 11.
Crofoot, John B., Chicago, Ill. Stapling machine. 1,486,638; Mar. 11.
Crofoot, John B., Chicago, Ill. Stapling machine. 1,486,639; Mar. 11.
Croft, Hiram D. (See Perkins, J. L. Oakley, Wilson, and Croft.)
Crone, Seth A., East Orange, N. J. Railway brake beam. 1,486,640; Mar. 11.
Crosby, Miles A., Glencoe, Pa. Rail joint. 1,486,282; Mar. 11.
Cross Rod and Tackle Company. (See Forsyth, William E., assignor.)
Crowell, Erd. V., Tulsa, Okla. Packing rubber. 1,486,420; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling light for lighting fixtures. Des. 64,160; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling light for lighting fixtures. Des. 64,161; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 64,162; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 64,163; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket for lighting fixtures. Des. 64,164; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket for lighting fixtures. Des. 64,165; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 64,166; Mar. 11.
Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 64,167; Mar. 11.
Crown Automotive Co. (See Horvitz, Julius A., assignor.)
Cummings, Joseph C., Detroit, Mich. Forging process. 1,486,365; Mar. 11.
Cunningham, Boyd B., Atchison, Kans. Automatic signal for railway crossings. 1,486,514; Mar. 11.
Curby, Bernard C., Kankakee, Ill. Washing machine. 1,486,233; Mar. 11.
Curtiss Aeroplane and Motor Company. (See Reissig, Rudolf R., assignor.)
Cuthbertson, Robert W., Chequerbent, near Bolton, England. Pit tub. 1,486,515; Mar. 11.

Dahl, Thure E., New York, N. Y. Arm for lighting fixtures. Des. 64,168; Mar. 11.
Dahlin, Adolf E. (See Enstrom, O. A., and Dahlin.)
Dale Machinery Company. (See Lassiter, Columbus K., assignor.)
Daly Manufacturing Company, The. (See Stricker, Clarence W., assignor.)
Darling, Philip G., Bridgeport, Conn., assignor to Manning, Maxwell & Moore Inc., New York, N. Y. Safety-valve retarding mechanism. 1,486,126; Mar. 11.
Dasher, Charles H., East Orange, N. J. Pouch making. 1,486,641; Mar. 11.
Davenport, Arthur E., Brooklyn, N. Y., assignor to The Texas Company. Visible tank for gasoline pumps. 1,486,127; Mar. 11.
Dayton Disc Wheel Company, The. (See Deady, George F., assignor.)
Deacon, Edward F., assignor to Gus V. Grecht Butchers' Supply Company, St. Louis, Mo. Valve mechanism. 1,486,567; Mar. 11.
Deady, George F., assignor to The Dayton Disc Wheel Company, Dayton, Ohio. Vehicle wheel. 1,486,832; Mar. 11.
Debs, Louis H., assignor of one-half to A. Cohn, Chicago, Ill. Electric-lamp support. 1,486,568; Mar. 11.
Dels, Calvin O., Dover, Ohio. Cuspidor for vehicles. 1,486,283; Mar. 11.
Deister Concentrator Company, The. (See Barnes, Edward A., assignor.)
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Dickenhorst, Walter H. (See Hagel, Frank A., assignor.)
Dickens, James C., Goose Creek, Tex. Pump. 1,486,180; Mar. 11.
Dickey, Cromwell B., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Box. 1,486,234; Mar. 11.
Diemer, Earl R., Pittsburgh, Pa., and L. A. Osgood, assignors to International Scale Company, Dayton, Ohio. On-and-off weighing scale. 1,486,128; Mar. 11.
Dieter, Alvin A., Melrose, Mass. Manually-operable crank. 1,486,366; Mar. 11.
Diniaco, George, Steubenville, Ohio. Metallic ventilating shutter for windows. 1,486,569; Mar. 11.
Dobay Louis, Benwood, W. Va. Combination stove and refrigerator. 1,486,642; Mar. 11.
Dold, Frederick W. (See Bloss, Ernest F., assignor.)
Donahue, Thomas C., Pittsburgh, assignor of one-half to W. L. Johnson, McKeesport, Pa. Sharpening machine for reamers and the like. 1,486,516; Mar. 11.
Dozier, Daniel C., Norfolk, Va. Vehicle headlight. 1,486,643; Mar. 11.
Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Method of and apparatus for flashing brick. 1,486,129; Mar. 11.
Dryden Rubber Company. (See Reeves, G. C., Hintz, and Beynon, assignors.)
Du Bose, Mary C., Gainesville, Fla. Receptacle. 1,486,130; Mar. 11.
Dunlap, Matthew E., Madison, Wis. Controlling humidity of workrooms. 1,486,367; Mar. 11.
Dürr, Ludwig, Friedrichshafen, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung, Friedrichshafen, Bodensee, Germany. Device for controlling the cooling air, especially for the gondolas of aircraft. 1,486,644; Mar. 11.
Dutton, Stephen A., Philadelphia, Pa. Apparatus for salvaging sunken vessels. 1,486,131; Mar. 11.
Dwight, Herbert B., Hamilton, Ontario, Canada. Device for transferring railway cars. 1,486,235; Mar. 11.
Dyer, George H., San Francisco, Calif. Hose coupling. 1,486,421; Mar. 11.

Eagle, J. H. & C. K., Inc. (See Mane, Fred, assignor.)
Eastman Kodak Company. (See Haste, J. H., and Ward, assignors.)
Eastman Kodak Company. (See Ruffner, Clifford H., assignor.)
Easton, Herbert. (See Plumridge, J. E. S., and Easton.)
Easton Kodak Company. (See Capstaff, J. G., and Green, assignors.)
Eaton, William S., Sag Harbor, N. Y. Printing plate. 1,486,324; Mar. 11.
Eberhardt, Robert, assignor of one-fourth to E. J. Peskar, New York, N. Y. Socket for electric lamps or fuses. 1,486,645; Mar. 11.
Echmann, Max, New York, N. Y. Kite. 1,486,368; Mar. 11.
Edelman, Maxwell. (See Enstrom, O. A., and Dahlin, assignors.)
Edgerton, Arthur H. (See Blank, M. H., and Edgerton.)
Edwards, Wilson D., assignor to Turner Brothers' Company, Terre Haute, Ind. Glass bottle. Des. 64,169; Mar. 11.
Egan, Mathew M., Fort Worth, Tex. Dump. 1,486,784; Mar. 11.
Egerton, Henry C., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-transmitter button. 1,486,132; Mar. 11.
Ehrlich, Samuel T., assignor to Hudson Tire Co., Inc., Newark, N. J. Tire tread. Des. 64,170; Mar. 11.
Elfe, James M., assignor to White Mop Wringer Company, Fultonville, N. Y. Combined mop wringer and pail. 1,486,284; Mar. 11.

Elfe, James M., assignor to White Mop Wringer Company, Fultonville, N. Y. Mop wringer. 1,486,285; Mar. 11.
Electric Auto-Lite Company, The. (See Buchenberg, Alvin E., assignor.)
Elliot, La Rue B., and J. P. Kilroy, Chicago, Ill. Portable compressor unit. 1,486,133; Mar. 11.
Ellis, Carleton. (See Meigs, Joseph V., assignor.)
Ellis, Carleton, Montclair, N. J., and M. J. Cohen, New York, assignors, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Alcohol, etc., and making same. 1,486,646; Mar. 11.
Ellis, Carleton, Montclair, N. J., and M. J. Cohen, deceased, New York; G. Cohen, A. Breslauer, and H. Asher, executors; said Ellis and the executors of said Cohen, deceased, assignors, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Production of acid extract and alcohols from hydrocarbon gases. 1,486,647; Mar. 11.
Enstrom, Olof A., and A. E. Dahlin, Lynn, assignors to M. Edelman, Boston, Mass. Printer's quoin. 1,486,422; Mar. 11.
Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe bottoms. 1,486,325; Mar. 11.
Ericson, Anton F., Phillipsburg, Pa. Gearing. 1,486,423; Mar. 11.
Ertz, George L., New York, N. Y. Method and means for vaporizing fuel in internal-combustion engines. 1,486,833; Mar. 11.
Eureka Vacuum Cleaner Company. (See Field, Egbert R., assignor.)
Evans, Guy J., Buffalo, N. Y. Stencil. 1,486,286; Mar. 11.
Evans, William A., Fort Washington, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Induction coil. 1,486,648; Mar. 11.
Ewert, Henry, Los Angeles, Calif. Coffee percolator. 1,486,649; Mar. 11.
Faber, Louis, and F. Schneider, assignors to Faber-Schneider Radiator Company, Chicago, Ill. Radiator. 1,486,326; Mar. 11.
Faber-Schneider Radiator Company. (See Faber, L., and Schneider, assignors.)
Fabyan, George. (See Foley, Arthur L., assignor.)
Faler, Jesse H., Los Angeles, Calif. Folding traffic gate. 1,486,181; Mar. 11.
Felts, Burrie E. (See Boley, J. L., and Felts.)
Ferno, Theodore G., Dines, Wyo. Auxiliary vehicle top. 1,486,424; Mar. 11.
Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Apparatus for producing and receiving signals. 1,486,735; Mar. 11.
Field, Egbert R., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner. 1,486,287; Mar. 11.
Field, Millard F., Winthrop, Mass. Automatic thread detecting and stop mechanism. 1,486,483; Mar. 11.
Fine, Benjamin and D., Chicago, Ill. Sharpening device. 1,486,570; Mar. 11.
Fine, Daniel. (See Fine, Benjamin and D.)
Fischer, Victor A., New York, N. Y.. Chain-repair tool. 1,486,484; Mar. 11.
Fisher, Howard J., Crestline, Ohio. Traffic signal for motor vehicles. 1,486,571; Mar. 11.
Fisher, Walter G., Orangeville, Ontario, Canada. Tractor wheel. 1,486,236; Mar. 11.
Fitch, William H., Allentown, Pa. Continuous heating furnace. 1,486,309; Mar. 11.
Fleischer, Emil, Dresden, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Hot-gas process for the reduction and smelting of metals. 1,486,370; Mar. 11.
Fleming, John A., London, England, assignor to The Radio Corporation of America, New York, N. Y. Thermionic device. 1,486,237; Mar. 11.
Floyd George G., assignor to American Steel Foundries, Chicago, Ill. Mating car trucks. 1,486,327; Mar. 11.
Foley, Arthur L., Bloomington, Ind., assignor to G. Fabyan, Riverbank, Ill. Horn for sound instruments. 1,486,650; Mar. 11.
Forbes, Nelson H., Detroit, Mich. Door hinge. 1,486,371; Mar. 11.
Forsyth, William H., assignor to Boynton & Co., Chicago, Ill. Woodworking machine. 1,486,288; Mar. 11.
Forsyth, William R., Swampscott, assignor to Cross Rod and Tackle Company, Lynn, Mass. Golf-club shaft. 1,486,572; Mar. 11.
Forsyth, William R., Swampscott, assignor to Cross Rod and Tackle Company, Lynn, Mass. Shaft for golf clubs and making the same. 1,486,573; Mar. 11.
Foster, Thomas J., Guelph, Ontario, Canada. Machine for rethreading fruit-jar rings. 1,486,736; Mar. 11.
Foundry Manufacturing Co. (See Lanouette, Charles F., assignor.)
France, Lester E., Cleveland, Ohio. Electrical measuring instrument. 1,486,238; Mar. 11.
Franks, Orrin G., Chautauqua, N. Y. Spring structure. 1,486,574; Mar. 11.
Frantz, Leroy, New Rochelle, N. Y. Means for preventing the theft of automobiles. 1,486,372; Mar. 11.
Fraser, Robert O., Seattle, Wash. Food dispenser. 1,486,328; Mar. 11.
Freundlich, Erich, Dusseldorf, Germany. Refrigerating machine. 1,486,651; Mar. 11.
Friday, Charles E. (See Halverson, John F., assignor.)
Fried, Krupp Aktiengesellschaft. (See Akeman, Walther, assignor.)
Fried. Krupp Aktiengesellschaft. (See Thun, Hermann, assignor.)
Frissell, John H., Oakland, Calif. Shrimp-catching device. 1,486,485; Mar. 11.
Froelich, Joseph J., Kaukauna, Wis., assignor to Taprell Loomis & Company, Chicago, Ill. Combined photograph folder and easel. 1,486,652; Mar. 11.
Frost, Frank S., assignor to Sears, Roebuck & Co., Chicago, Ill. Teat cup. 1,486,182; Mar. 11.
Frost, Frank S., assignor to Sears, Roebuck and Co., Chicago, Ill. Teat cup. 1,486,183; Mar. 11.
Frost, Frank S., assignor to Sears, Roebuck and Co., Chicago, Ill. Pulsator. 1,486,184; Mar. 11.
Frost, George, Company. (See Glidden, George B., assignor.)
Futrell Coupler Company. (See Futrell, Thomas J., assignor.)
Futrell, Thomas J., Streator, Ill., assignor to Futrell Coupler Company, Inc., Seattle, Wash. Automatic coupling for railway cars. 1,486,737; Mar. 11.
Fykse, Mitchell L., Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Saddle-block structure for power shovels. 1,486,834; Mar. 11.
Garland, Claude M., Chicago, Ill. Shock absorber for automobiles and other vehicles. 1,486,239; Mar. 11.
Gas Research Company, The. (See Smith, Harry F., assignor.)
Gates, Philetus W., Chicago, Ill., assignor to Mumford Molding Machine Company. Vibrator. 1,486,486; Mar. 11.
Geering, John. (See Gould, H., Ackermann, and Geering.)
Geibel, John F., assignor to Kaustine Company, Inc., Buffalo, N. Y. Toilet. 1,486,738; Mar. 11.
Geiser, Charles J., Lander, Wyo. Shoe-shining stand. 1,486,240; Mar. 11.
General Motors Corporation. (See Krotz, Alvaro S., assignor.)
George, Gilbert D., St. Paul, Minn. Decoy. 1,486,329; Mar. 11.
Gerdien, Hans, Berlin-Schmargendorf, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Means for transmitting signals for wireless telegraphy. 1,486,134; Mar. 11.
Gerngross, Otto, and H. Kast, Charlottenburg, near Berlin, Germany, assignors, by mesne assignments, to The Chemical Foundation, Inc. Composition of matter to be used for the manufacture of salts of acetylsalicylic acid. 1,486,373; Mar. 11.
Geroux, Stev, Chicago, Ill. Window. 1,486,653; Mar. 11.
Gerrard, Alec J. (See Mueller, William G., assignor.)
Gesell, William H., Montclair, N. J. Receptacle and closure therefor. 1,486,374; Mar. 11.
Gessler, Clarence V., Indiana, Pa. Bumper. 1,486,740; Mar. 11.
Gibson, Vernon L., Sholes, Nebr. Cylinder-head lifter. 1,486,425; Mar. 11.
Gibson, William A., Detroit, Mich. Pneumatic jack. 1,486,241; Mar. 11.
Gillette Safety Razor Company. (See Clardy, George D., assignor.)
Gillham, Alfred R., assignor to The A. H. Pugh Printing Company, Cincinnati, Ohio. Scrip-cutting means. 1,486,426; Mar. 11.
Gilmore, Smith E. (See Ortiz, L. M., and Gilmore.)
Glantzberg, Ernst, New York, N. Y. Ventilating system. 1,486,739; Mar. 11.
Glavis, Edward S., Philadelphia, Pa., assignor to La Societe des 40 Hommes et 8 Chevaux, Seattle, Wash. Medallion. Des. 64,171; Mar. 11.
Glenn, Roland M., New York, assignor to American Magnesium Corporation, Niagara Falls, N. Y. Tennis racket or the like. 1,486,330; Mar. 11.
Glidden, George B., Dighton, assignor to George Frost Company, Boston, Mass. Garter clasp member. Des. 64,172; Mar. 11.
Godfrey-Evans, Lewis T., West Norwood, London, England. Internal-combustion engine. 1,486,427; Mar. 11.
Goldberg, Benjamin D., Brooklyn, N. Y. Pressing device. 1,486,654; Mar. 11.
Goldberg Padding Machine Company, The. (See Ashman, David B., assignor.)
Golding, Edwin L., New York, N. Y. Textile fabric or similar article. Des. 64,173; Mar. 11.
Gordon Electric Mfg. Co., The. (See Seltzer, Ira R., assignor.)
Gould, Herman, F. Ackermann, and J. Geering, New York, N. Y. Locking device for milk bottles. 1,486,331; Mar. 11.
Gourley, Harvey, Cheltenham Township, Montgomery County, Pa. Golf-club carrier. 1,486,655; Mar. 11.
Graf, Frederick, Milwaukee, Wis. Supporting means for ironing boards. 1,486,575; Mar. 11.
Graham, Thornton G., assignor to The Mason Tire & Rubber Company, Kent, Ohio. Tread for pneumatic tires. Des. 64,174; Mar. 11.
Gray, Andrew M. (See Herring, R. Q., and Gray.)
Graybill, Tully, assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 64,175; Mar. 11.

Green, Newton B. (See Capstaff, J. G., and Green.)
Green, Robert M., & Sons. (See Green, Robert M., jr., assignor.)
Green, Robert M., jr., assignor to Robert M. Green & Sons, Philadelphia, Pa. Sirup pump. 1,486,656; Mar. 11.
Green, Robert M., jr., assignor to Robert M. Green & Sons, Philadelphia, Pa. Soda-water draft. 1,486,657; Mar. 11.
Green, Walter R., Chicago, Ill. Tire carrier for automobiles and the like. 1,486,658; Mar. 11.
Green, William P., San Francisco, Calif. Ladder. 1,486,289; Mar. 11.
Greene, Frederick J., assignor to Greene Mfg. Co., Racine, Wis. Trunk-drawer-locking means. 1,486,242; Mar. 11.
Greene Mfg. Co. (See Greene, Frederick J., assignor.)
Grieten, Frederick M., assignor of one-fourth to C. T. Anderson, Baltimore, Md. Traffic signal for automobiles. 1,486,517; Mar. 11.
Grimm, Madge, San Francisco, Calif. Electric-light wall bracket. Des. 64,176; Mar. 11.
Grinbaum, Henry. (See Schubert, Edwin, assignor.)
Groves, Earl C., Hobson, assignor of one-half to Waite Land & Livestock Company, Utica, Mont. Rotary engine. 1,486,428; Mar. 11.
Groves, Walter P., Edwardsville, Kans. Nut lock. 1,486,741; Mar. 11.
Gruber, Edward, Lyndhurst, assignor to The Cleveland Tractor Company, Euclid, Ohio. Unit for track belts. Re15,790; Mar. 11.
Grunberg, George, New York, N. Y. Perfume container. Des. 64,177; Mar. 11.
Gudebrod Bros. Silk Co. (See Gudebrod, Charles B., assignor.)
Gudebrod, Charles B., St. Davids, Pa., assignor to Gudebrod Bros. Silk Co., Inc., New York, N. Y. Method of forming thread tips. 1,486,487; Mar. 11.
Gulbransen, Axel G., assignor to Gulbransen-Dickinson Co., Chicago, Ill. Valve mechanism for player-piano actions. 1,486,185; Mar. 11.
Gulbransen, Axel G., assignor to Gulbransen-Dickinson Company, Chicago, Ill. Key-slip and fall-board construction for player pianos. 1,486,186; Mar. 11.
Gulbransen-Dickinson Co. (See Gulbransen, Axel G., assignor.)
Hackstaff, George C., Denver, Colo. Treatment of oil shale and apparatus therefor. 1,486,243; Mar. 11.
Hafer, Guy M., assignor to Hoskins Manufacturing Company, Detroit, Mich. Recording and signaling mechanism. 1,486,576; Mar. 11.
Hagan, Peter W., Saskatoon, Saskatchewan, Canada. Garage door. 1,486,742; Mar. 11.
Hagel, Frank A., assignor of four-tenths to W. H. Dickenhorst, Newark, N. J. Dispensing-scoop counter. 1,486,135; Mar. 11.
Hagman, William J., Philadelphia, Pa. Connecting submerged objects. 1,486,659; Mar. 11.
Hagstrom, John A., Youngstown, Ohio. Hot-air furnace. 1,486,429; Mar. 11.
Hajdu, John, Mercer, Pa. Automobile. 1,486,660; Mar. 11.
Hall, Ray E., Chicago, Ill. Indicator. 1,486,136; Mar. 11.
Hall, Robert F., Schenectady, N. Y. Truck for railway rolling stock. 1,486,661; Mar. 11.
Hall, W. F., Printing Co. (See Schultz, Herman J., assignor.)
Hallam, Edwin A., assignor to (Mrs.) M. B. Hallam, Portland, Oreg. Drying kiln. 1,486,743; Mar. 11.
Hallam, (Mrs.) Mary B. (See Hallam, Edwin A., assignor.)
Halloran, Patrick. (See Basel, Frank, assignor.)
Halperson, Max. (See Sparer, N., and Halperson.)
Halvorsen, Arthur L., Perth Amboy, N. J., assignor to The Merrill Company, San Francisco, Calif. Recovering cyanide. 1,486,137; Mar. 11.
Halverson, John F., assignor of one-half to C. E. Friday, Madison, Wis. Street-indicating device. 1,486,332; Mar. 11.
Hamilton, Charles, New York, N. Y. Fluid coupling. 1,486,662; Mar. 11.
Hammerberg, Erick O., Chicago, Ill. Pencil holder. 1,486,244; Mar. 11.
Handel Maatschappij H. Albert De Bary & Coy. (See Scheuer, Alfred and H., assignors.)
Hanford, Ella, Chicago, Ill. Vegetable and fruit washer. 1,486,333; Mar. 11.
Hansen, Kaj, Copenhagen, Denmark. Electric accumulator. 1,486,430; Mar. 11.
Hanson, Albert C., Fort Wayne, Ind. Closure fastener for shoes. 1,486,138; Mar. 11.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,178; Mar. 11.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,179; Mar. 11.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,180; Mar. 11.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,181; Mar. 11.
Hanson, Nick, Prescott, Wash. Protector for chain links and the like. 1,486,375; Mar. 11.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Process and machine for whipping cream. 1,486,334; Mar. 11.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Process and machine for whipping cream. 1,486,577; Mar. 11.
Harney, Joseph P., Altoona, Pa. Locomotive. 1,486,578; Mar. 11.
Harrold, Thomas F., Indianapolis, Ind. Safety rod. 1,486,579; Mar. 11.
Hart Grain Weigher Co. (See Hartley, Arthur J., assignor.)
Hartley, Arthur J., assignor to Hart Grain Weigher Co., Peoria, Ill. Governor. 1,486,518; Mar. 11.
Hartley, Arthur J., assignor to Hart Grain Weigher Co., Peoria, Ill. Swinging conveyer. 1,486,519; Mar. 11.
Hartzell, Forest H., Dayton, Ohio. Electric switch. 1,486,744; Mar. 11.
Harvey, John N., Evesham, England. Device for the planting and transplanting of seedlings. 1,486,431; Mar. 11.
Harzberg, Hiler, Providence, R. I. Stage curtain. 1,486,335; Mar. 11.
Haselton, Lee, Eugene, Oreg. Incandescent-electric-lamp globe. 1,486,745; Mar. 11.
Hassell, Elmer, Crystal, N. Dak. Broadcast seeder. 1,486,376; Mar. 11.
Hassett, William P. (See Jones, Mirrell E., assignor.)
Haste, James H., and E. J. Ward, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic film with colored laminated base. 1,486,245; Mar. 11.
Hastings Manufacturing Co. (See Taffee, Leo H., assignor.)
Haynes, Robert E., Poole, Nebr. Snowplow. 1,486,187; Mar. 11.
Heald, James N., assignor to The Heald Machine Company, Worcester, Mass. Feed mechanism for automatic grinding machines. 1,486,580; Mar. 11.
Heald Machine Company, The. (See Heald, James N., assignor.)
Hebenstreit, Edward H. (See Smelik, Frank, assignor.)
Heeren Brothers Company. (See Heeren, Walter F., assignor.)
Heeren, Walter F., assignor to Heeren Brothers Company, Pittsburgh, Pa. Pendant. Des. 64,182; Mar. 11.
Heinke, Alfred J. (See Hanson, E. I., and Heinke.)
Heinkel, Christian F., Cleveland, assignor to The Cleveland Tractor Company, Euclid, Ohio. Track belt for track-laying tractors. 1,486,377; Mar. 11.
Heisel, John, Mount Healthy, Ohio, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Power press. 1,486,746; Mar. 11.
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Tumbler. Des. 64,183; Mar. 11.
Hentschel, Walter, assignor to Sächsische Maschinenfabrik vorm. Rich. Hartmann, Aktiengesellschaft, Chemnitz, Germany. Spinning device. 1,486,520; Mar. 11.
Herring, Robert Q., and A. M. Gray, Baltimore, Md., assignors to Maryland Biscuit Company. Display rack. 1,486,139; Mar. 11.
Hertz, Gustav L., assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Separating gases from a mixture thereof. 1,486,521; Mar. 11.
Heusser, Julius, Clear Lake, Wis. Milk-can cover. 1,486,336; Mar. 11.
Hewitt, Edward R., Midvale, N. J. Fishing fly. 1,486,581; Mar. 11.
Hibbard, Louis, Sayre, Pa. Basket carrier. 1,486,747; Mar. 11.
Hickey, John J., Washington, D. C. Hedge trimmer or the like. 1,486,140; Mar. 11.
Hilgers, Wilhelm, Dusseldorf, Germany. Combined molding and wrapping-up machine for butter, margarine, and the like. 1,486,748; Mar. 11.
Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
Hill, Doyle, Omaha, Nebr. Lock for odometers. 1,486,749; Mar. 11.
Hill, Ebenezer, Norwalk, Conn. Rotary pump. 1,486,835; Mar. 11.
Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary-pump pressure control. 1,486,836; Mar. 11.
Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Rotary pump. 1,486,837; Mar. 11.
Hills, Irad W., Stanley, Wis. Animal trap. 1,486,663; Mar. 11.
Hindshaw Engineering and Development Company. (See Hindshaw, Henry H., assignor.)
Hindshaw, Henry H., assignor to Hindshaw Engineering and Development Company, St. Paul, Minn. Treating peat. 1,486,141; Mar. 11.
Hinman, John R., Indianapolis, Ind. Artificial fuel and making same. 1,486,488; Mar. 11.
Hintz, John C. (See Reeves, G. C., Hintz, and Beynon.)

Hires, John E., Langhorne, assignor to Automatic Machinery and Equipment Company, Inc., Philadelphia, Pa. Assembling machine for insulator knobs. 1,486,664; Mar. 11.

Hirsch, Harry, New York, N. Y. Device for keeping account of industrial life-insurance premium collections and the like. 1,486,378; Mar. 11.

Hjorth, Oscar B., assignor to The Parker Pen Co., Janesville, Wis. Fountain pen. 1,486,246; Mar. 11.

Hodgson, Benjamin, Portsmouth, and S. R. Mullard, Southfields, London, England. Support for filaments in thermionic valves and other tubes. 1,486,432; Mar. 11.

Hogan, Fred, Vancouver, British Columbia, Canada. Trousers-pressing device. 1,486,433; Mar. 11.

Hoke, William E., Washington, D. C. Making identical articles. 1,486,338; Mar. 11.

Hoke, William E., Washington, D. C. Method and apparatus for making gears. 1,486,339; Mar. 11.

Hoke, William E., Washington, D. C. Making gears. 1,486,340; Mar. 11.

Hoke, William E., St. Louis, Mo. Method of and machine for making gauges and other articles. 1,486,343; Mar. 11.

Hoke, William E., Baltimore, Md. Method and apparatus for finishing taper articles. 1,486,344; Mar. 11.

Hoke, William E., Baltimore, Md. Lapping machine. 1,486,345; Mar. 11.

Hoke, William E., St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y. Method of and machine for making gauges and other articles. 1,486,337; Mar. 11.

Hoke, William E., St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y. Method of and machine for making gauges and other articles. 1,486,341; Mar. 11.

Hoke, William E., St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y. Making gauges and other articles. 1,486,342; Mar. 11.

Holden, Richard J., Fort Morgan, Colo. Storage battery. 1,486,434; Mar. 11.

Holland-Letz, Lud., Oak Park, Ill., assignor to International Harvester Company. Hemp scutcher. 1,486,750; Mar. 11.

Holloway, William W., Wheeling, W. Va., and H. Kielberg, Martins Ferry, Ohio, assignors to Whitaker-Glessner Company, Wheeling, W. Va. Burner for radiant gas heaters. 1,486,665; Mar. 11.

Holloway, William W., Wheeling, W. Va., and H. Kielberg, Martins Ferry, Ohio, assignors to Whitaker-Glessner Company, Wheeling, W. Va. Burner and radiant support for gas heaters. 1,486,666; Mar. 11.

Horvitz, Julius A., assignor to Crown Automotive Co., Inc., New Bedford, Mass. Radiator cap. Des. 64,184; Mar. 11.

Hosch, Ernest, Ventura, Calif. Foot-operated clutch release and gear-shift mechanism. 1,486,142; Mar. 11.

Hosking, Richard T., Wilmette, assignor to Shakeproof Screw & Nut Lock Company, Chicago, Ill. Lock washer. 1,486,347; Mar. 11.

Hoskins, Cicero, Quincy, Ill. Making roofing slabs. 1,486,346; Mar. 11.

Hoskins Manufacturing Company. (See Hafer, Guy M., assignor.)

House, Henry A., Bridgeport, Conn. Link belting. 1,486,582; Mar. 11.

Hovey, Otis E., New York, N. Y. Center bearing. 1,486,143; Mar. 11.

Hudson Tire Co. (See Ehrlich, Samuel T., assignor.)

Hulse, Edison G., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 64,185; Mar. 11.

Hult, Carl J., assignor to Aktiebolaget Svenska Pressgjuteriet, Stockholm, Sweden. Press casting and means therefor. 1,486,751; Mar. 11.

Humpert, John B., San Francisco, Calif. Universal joint for pistons. 1,486,752; Mar. 11.

Hunt, Jonathan A., Salem, Mass. Rod-grinding machine. 1,486,435; Mar. 11.

Hunt, Seth B., trustee. (See Ellis, C., and Cohen, assignors.)

Hunter, David S., Greensburg, Pa. Posthole digger. 1,486,247; Mar. 11.

Huskisson, William M., New Rochelle, N. Y. Internal-combustion engine. 1,486,583; Mar. 11.

Hynds, Rufus C., Brooklyn, N. Y. Ornamenting device. 1,486,753; Mar. 11.

Illinois Iron and Bolt Company. (See Warner, Arthur L., assignor.)

Impellizieri, Joseph, Brooklyn, N. Y. Power-transmission device. 1,486,754; Mar. 11.

Independent Stove Company, The. (See Robinson, William V., assignor.)

Indiana Silo and Tractor Co. (See White, Paul H., assignor.)

Ingersoll, Frank, Hannibal, Mo. Weeding tool. 1,486,755; Mar. 11.

Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)

Ingold, Ernest A., assignor to the Firm W. & C. Pantin, London, England. Binding or tying of boxes, bales, or the like. 1,486,396; Mar. 11.

Inman, Walter A., Waukegan, Ill. Carburetor. 1,486,522; Mar. 11.

International Harvester Company. (See Holland-Letz, Lud., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

International Harvester Company. (See Moxey, James A., assignor.)

International Nitrogen Company. (See Reid, James H., assignor.)

International Scale Company. (See Diemer, E. R., and Osgood, assignors.)

International Silver Company. (See Stark, Frederick W., assignor.)

Irons & Russell Company. (See MacAllister, Ellis W., assignor.)

Isaacs, Moses, New York, N. Y. Cloth-laying-up machine. 1,486,584; Mar. 11.

Jackson, Francis B., Tulsa, Okla. Oil-well apparatus. 1,486,523; Mar. 11.

Jackson, Maxey, Portland, Oreg., assignor, by mesne assignments, to Motor Safety Indicator, Inc. Speed-indicating signal. 1,486,379; Mar. 11.

Jacobi, Rudolf, San Diego, Calif. Wall or recess bed. 1,486,380; Mar. 11.

Jacobs, Charles T., et al., trustees. (See Becker, Alfonse N., assignor.)

Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Piston for dashpots. 1,486,381; Mar. 11.

Jarrell, Lemuel P., North Birmingham, Ala. Extension rack. 1,486,144; Mar. 11.

Jaske, John J., Michigan City, Ind. Cup stand for lamps. 1,486,756; Mar. 11.

Jefferson, Benjamin H., Niles, Mich. Store arrangement. 1,486,524; Mar. 11.

Jefferson, Benjamin H., and R. H. Waud, assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill. Musical instrument and lighting system therefor. 1,486,585; Mar. 11.

Jeffery, Joseph, and H. Snyder, Bangor, Me. Signal. 1,486,248; Mar. 11.

Jeffery Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jensen, Andrew M., Stockton, Calif. Can opener. 1,486,249; Mar. 11.

Jensen, Ernst, The Hague, Netherlands. Automatic regulation of the supply of oxidizing agents, such as nitric acid, nitrate solution, or others in the manufacture of sulphuric acid. 1,486,757; Mar. 11.

Jensen, Frank, Salt Lake City, Utah. Advertising-card holder and match scratcher. 1,486,188; Mar. 11.

Jerram, Arthur E., Leicester, England. Lawn mower. 1,486,758; Mar. 11.

Jerman, William J., Cleveland, Ohio. Gauge for centering shafts. 1,486,667; Mar. 11.

Johansen, Thomas, and E. Kehoe, Baltimore, Md. Truck for handling rolls of paper. 1,486,489; Mar. 11.

Johnson, Edward W., assignor to Chicago Carton Company, Chicago, Ill. Folding paper carton. 1,486,145; Mar. 11.

Johnson, Erik H., Portland, Oreg. Door opening and closing means. 1,486,382; Mar. 11.

Johnson, Everard L., Patchogue, N. Y. Flash-light gun. 1,486,759; Mar. 11.

Johnson, Frank A., Aurora, and J. Ahlgren, Batavia, Ill. Intake-manifold attachment. 1,486,760; Mar. 11.

Johnson, Jesse C., Oakland, Calif. Rotary oil burner. 1,486,383; Mar. 11.

Johnson, Walter L. (See Donahue, Thomas C., assignor.)

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Slip-over tire. 1,486,761; Mar. 11.

Jonassen, Alfred C., New York, N. Y., assignor of one-fourth to H. W. Anderson, Auckland, New Zealand. Toy pistol. 1,486,146; Mar. 11.

Jones, Charles H., Galva, Ill. Grading machine. 1,486,436; Mar. 11.

Jones, Harry W., Bedford, Va., assignor to The American Can Company, New York, N. Y. Making containers. 1,486,586; Mar. 11.

Jones, Mirrell E., Prescott, assignor of one-half to W. P. Hassett, Ashfork, Ariz. Car-door hanger and door. 1,486,525; Mar. 11.

Jones, Theodore S., Nozen, Pa. Broom ratchet or holder. 1,486,762; Mar. 11.

Jönsson, Manne. (See Ottosson-Elliot, H., and Jönsson.)

Josephson, Helmer G., et al., trustees. (See Josephson, Helmer G., assignor.)

Josephson, Helmer G., East Lynn, assignor to J. L. Shevenell, Haverhill, and H. G. Josephson, Lynn, Mass., trustees. Metal shank for shoes. 1,486,437; Mar. 11.

Joubert, Lucien, Paris, France. Suspension device for automobiles or other vehicles. 1,486,763; Mar. 11.

Jullus, George A., Sydney, New South Wales, Australia. Variable-value fare-check printing and computing machine. 1,486,438; Mar. 11.

Kast, Hermann. (See Gerngross, O., and Kast.)

Kaufman, Harry G., New York, N. Y. Ring. Des. 64,186; Mar. 11.

Kaufman, Harry G., New York, N. Y. Des. 64,187; Mar. 11.

Kaufman, Harry G., New York, N. Y. Ring. Des. 64,188; Mar. 11.

Kaufman, Harry G., New York, N. Y. Ring. Des. 64,189; Mar. 11.

Kaufman, Harry G., New York, N. Y. Ring. Des. 64,190; Mar. 11.

Kaufmann, Jacob, Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 1,486,189; Mar. 11.

Kaustine Company. (See Geibel, John F., assignor.)

Keeports, Harry H., Detroit, Mich. Means for and method of drop-forging crank shafts. 1,486,587; Mar. 11.

Keeports, Harry H., Canton, Ohio. Forging six-throw crank shafts and dies therefor. 1,486,588; Mar. 11.

Kehoe, Edward. (See Johancen, T., and Kehoe.)

Kelly-Springfield Tire Company. (See Graybill, Tully, assignor.)

Kelly-Springfield Tire Company. (See Hulse, Edison G., assignor.)

Kelly-Springfield Tire Company. (See Marshall, Thomas C., assignor.)

Kelly, Thomas, Cleveland, Ohio. Combined brace and tie rod for concrete forms. 1,486,147; Mar. 11.

Kendall, William G., Newark, N. J. Vanity case. 1,486,764; Mar. 11.

Kendall, William G., Newark, N. J. Refill for vanity cases. 1,486,765; Mar. 11.

Kennedy, James F. (See Walsh, J. A., and Kennedy.)

Kessler, Charles L., San Diego, Calif. Double-acting-pump power head. 1,486,589; Mar. 11.

Kibler, Noah S., Woodstock, Va. Barrel-heading press. 1,486,766; Mar. 11.

Kielberg, Henry. (See Holloway, W. W., and Kielberg.)

Kielberg, Henry, Martins Ferry, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Gas burner. 1,486,668; Mar. 11.

Kilroy, James P. (See Elliot, L. B., and Kilroy.)

King, James A., near New Paris, Ohio. Casket seal. 1,486,384; Mar. 11.

King, Melvin C., Chicago, Ill. Electric connection. 1,486,250; Mar. 11.

Kinder, Nelson R., West Frankfort, Ill. Adjustable sheave. 1,486,848; Mar. 11.

Kiper, Ernest R. and L. B., Gilbert, La. Grocery and vegetable counter. 1,486,849; Mar. 11.

Kiper, Lawrence B. (See Kiper, Ernest R. and L. B.)

Kitchell, Joseph F., Newark, N. J., assignor to The R. Neumann Hardware Co. Bag frame. 1,486,490; Mar. 11.

Klages, Albert D., Springfield, Mass. Dust cover for ash cans. 1,486,439; Mar. 11.

Klausmeyer, David C., assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. General safety interlock. 1,486,767; Mar. 11.

Kline, James F., Amarillo, Tex. Carrousel. 1,486,669; Mar. 11.

Knight, George, Sterling, Colo. Valve. 1,486,251; Mar. 11.

Koppers Company, The. (See Van Ackeren, Joseph, assignor.)

Krakowiecka, Annie, New York, N. Y. Hair curler. 1,486,768; Mar. 11.

Kramer, Emma, administratrix. (See Kramer, William H.)

Kramer, William H., deceased, Edinburg, Ind.; E. Kramer, administratrix. Saw sharpener. 1,486,440; Mar. 11.

Krause, William P., Chicago, Ill., assignor to Mumford Molding Machine Company. Vibrator. 1,486,491; Mar. 11.

Krotz, Alvaro S., Janesville, Wis., assignor, by mesne assignments, to General Motors Corporation. Tractor plow. 1,486,385; Mar. 11.

Krukowski, Kazimierz J., West Hammond, Ill. Wrench. 1,486,769; Mar. 11.

Kruttschnitt, John, San Francisco, Calif. Locomotive whistle. 1,486,252; Mar. 11.

Kunkel, Frank A., Marion Township, Plymouth County, Iowa. Trapdoor operating mechanism. 1,486,253; Mar. 11.

Ladd, Archer P., Minneapolis, Minn. Match, cigar, and ash holder. 1,486,148; Mar. 11.

Laing, George W. (See Piper, George A., assignor.)

Laing, Norman B., Detroit, Mich. Electric controller. 1,486,386; Mar. 11.

Lake, Clair D., Binghamton, N. Y., assignor to The Tabulating Machine Company. Single brush automatic control for tabulating machines. 1,486,149; Mar. 11.

Lakin, William T., Long, Md. Labiate door for phonograph cabinets. 1,486,254; Mar. 11.

Lambert, Clara B., Pasadena, Calif. Wire chopper, pie-crust mixer and flaker. 1,486,255; Mar. 11.

Landahl, Eugene E., Oak Park, assignor to Webster Mfg. Company, Chicago, Ill. Conveying apparatus. 1,486,590; Mar. 11.

Lane, John J., St. Louis, Mo. Method of and apparatus for producing tax records and tax bills. 1,486,526; Mar. 11.

Lanouette, Charles F., assignor to Foundry Manufacturing Co. Inc., St. Albans, Vt. Sheet-metal-bending roll. 1,486,150; Mar. 11.

Larkin, Michael J., assignor to Rhode Island Textile Company, Pawtucket, R. I. Braiding machine. 1,486,527; Mar. 11.

La Societe des 40 Hommes et 8 Chevaux. (See Glavis, Edward S., assignor.)

Lassiter, Annie F., administratrix. (See Lassiter, Columbus K.)

Lassiter, Columbus K., deceased; A. F. Lassiter, administratrix, assignor to Dale Machinery Company, Inc., New York, N. Y. Stay-bolt turning and threading machine. 1,486,591; Mar. 11.

Lawrence, George R., Chicago, Ill. Oven. 1,486,528; Mar. 11.

Lebermuth, Clark D., Donaldsonville, La. Evaporator. 1,486,387; Mar. 11.

Ledbetter, Higgins, Dome, N. C. Mechanical movement for brakes. 1,486,350; Mar. 11.

Lee, Harry G., New York, N. Y., assignor of one-third to W. E. Porter, New Haven, Conn., and one-third to R. H. Whitehead, New York, N. Y. Gasoline register. 1,486,770; Mar. 11.

Leiken, Philip, Brooklyn, assignor to The Peerless Smoking Jacket Co., Inc., New York, N. Y. Knickers. Re15,791; Mar. 11.

Leslie Company, The. (See Metzger, Jules P., assignor.)

Levesque, Joseph J., Lewiston, Me. Automatic train brake. 1,486,441; Mar. 11.

Levin, Nils D., assignor to The Jeffery Manufacturing Company, Columbus, Ohio. Mechanism for mining coal. 1,486,529; Mar. 11.

Levy, Arthur B. (See Singer, J. B., and Levy.)

Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Producing hydrocyanic acid. 1,486,592; Mar. 11.

Lightning Change Auto Wheel Corporation. (See Roblin, Brock R., assignor.)

Lind, Henry M., Los Angeles, Calif. Automobile signal-light casing. Des. 64,191; Mar. 11.

Littauer, Alfred, New York, N. Y. Nasal mask. 1,486,290; Mar. 11.

Ljungström, Fredrik, Lidingo-Brevik, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Producing deeper tooth spaces in toothed wheels and means therefor. 1,486,771; Mar. 11.

Long, Thomas P., Harmon, Ill. Land marker. 1,486,530; Mar. 11.

Lopez, Angel, Brooklyn, N. Y. Folding umbrella. 1,486,772. Mar. 11.

Lopez, Joseph, Corporation, The. (See Lopez, Joseph, assignor.)

Lopez, Joseph, New York, N. Y., assignor to The Joseph Lopez Corporation. Spark-plug tool. 1,486,190; Mar. 11.

Lord, Hugh C., Erie, Pa. Resilient wheel. 1,486,442; Mar. 11.

Lucas, Owen D., Bayswater, London, assignor to Vickers Limited, Westminster, England. Time fuse. 1,486,593; Mar. 11.

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Arnstein, Karl, assignor.)

Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Dürr, Ludwig, assignor.)

Lundgren, Ernest V., et al., trustees. (See Becker, Alfonse N., assignor.)

Luse, William J., New York, N. Y. Automatic fire alarm. Re15,793; Mar. 11.

Lutz, Philip, East Northport, N. Y. Broom holder. 1,486,443; Mar. 11.

Lynn, Thomas H. (See Steel, C. C., and Lynn.)

Lyon & Healy, Inc. (See Jefferson, B. H., and Waud, assignors.)

MacAllister, Ellis W., assignor to Irons & Russell Company, Providence, R. I. Finger ring. Des. 64,192; Mar. 11.

MacDonald, Clifford K., Brockton, Mass. Shoe last. 1,486,192; Mar. 11.

Maes, Robert, Calgary, Alberta, Canada. Milking machine. 1,486,671; Mar. 11.

Madden, Patrick H. (See Marshall, Frank H., assignor.)

Mallinson, H. R., & Co. (See Hanson, E. I., and Heinke, assignors.)

Malmgren, Nels L., Chicago, Ill. Strut or column. 1,486,444; Mar. 11.

Malone, Adolphus W., Springfield, Pa., assignor of one-half to A. H. Vestal, Anderson, Ind. Supporting device. 1,486,594; Mar. 11.

Malone, Benjamin F., Monticello, Ga. Vegetable and fruit roasting and cleaning machine. 1,486,351; Mar. 11.

Manhattan Electrical Supply Company. (See Schwartz, Edward, assignor.)

Manning, Maxwell & Moore Inc. (See Darling, Philip G., assignor.)

Manson, George J., Toronto, Ontario, Canada. Pulp grinder. 1,486,352; Mar. 11.

Mascio, Nicholas J., New York, N. Y. Concrete-slab building. 1,486,152; Mar. 11.

Marcum, Claud A., Joplin, Mo. Door fastener. 1,486,595; Mar. 11.

Maryland Biscuit Company. (See Herring, R. Q., and Gray, assignors.)

Marshall, Frank H., Kilbourn, assignor to P. H. Madden, Sparta, Wis. Rail truck. 1,486,191; Mar. 11.

Marshall, Laurence K. (See Smith, Charles G., assignor.)

Marshall, Thomas C., Mount Savage, assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 64,193; Mar. 11.

Martin, Glenn L., Company, The. (See Milburn, Lassiter C., assignor.)

Mason Tire & Rubber Company, The. (See Graham, Thornton G., assignor.)
Matson, Carl A., Lynn, assignor to Matson Lace Tipping Machine Company, Boston, Mass. Lace-tipping machine. 1,486,538; Mar. 11.
Matson Lace Tipping Machine Company. (See Matson, Carl A., assignor.
Maue, Fred, Shamokin, Pa., assignor to J. H. & C. K. Eagle, Inc. Handing-in mechanism. 1,486,596; Mar. 11.
Manpai, Eugene L., New York, N. Y. Dyeing raw silk. 1,486,292; Mar. 11.
Maxik, Max, New York, N. Y. Yarn-guide-reciprocating mechanism. 1,486,780; Mar. 11.
Mayer, Clarence, Chicago, Ill. Girdle brassière. 1,486,779; Mar. 11.
Mayol, Frank E., Salt Lake City, Utah. Confection container. 1,486,445; Mar. 11.
Mazzoni, Giuseppe, Chicago, Ill. Safety razor and blade holder. 1,486,672; Mar. 11.
McAneny, Michael J., Denver, Colo. Valve device. 1,486,291; Mar. 11.
McAneny, Michael J., Denver, Colo. Pneumatic-tire pressure gauge. 1,486,532; Mar. 11.
McClain, Allen, Xenia, Ohio. Flower rack for burial caskets. 1,486,771; Mar. 11.
McDermott, Philip H., New York, N. Y. Oil collector for tool stocks. 1,486,774; Mar. 11.
McDonnell, George P., St. Louis, Mo. Fire extinguisher. 1,486,531; Mar. 11.
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Cast arm for lighting fixtures. Des. 64,194; Mar. 11.
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Loop for lighting fixtures. Des. 64,195; Mar. 11.
McGrath, William E., Atlanta, Ga. Soap-mixing device. 1,486,775; Mar. 11.
McGuckin, John J., Brooklyn, N. Y., assignor to L. Schwab, New York, N. Y., doing business as Stevens & Company. Appliance for cutting and drilling piston heads. 1,486,193; Mar. 11.
McIntyre, Rex W., South Manchester, assignor to The Orford Soap Company, Manchester, Conn. Machine for closing the ends of cartons. 1,486,151; Mar. 11.
McKnight, Janie A., Lincolnton, N. C. Combined hat lining and bandeau. 1,486,776; Mar. 11.
McLeod, Robert J., West Drayton, England. Gear-cutting machine. 1,486,670; Mar. 11.
McMillan, James W. (See Porath, B., and McMillan.)
McOmber, Loren W., Peoria, Ill. Traffic light. Des. 64,196; Mar. 11.
McWane, James R., Birmingham, Ala. Precalked joint for cast-iron pipes and making same. 1,486,777; Mar. 11.
McWane, James R., Birmingham, Ala. Means for casting pipe. 1,486,778; Mar. 11.
Mead-Morrison Manufacturing Company. (See Stanley, Arthur M., assignor.)
Measuregraph Company, The. (See Wheeler, John L., assignor.)
Meigs, Joseph V., assignor, by mesne assignments, to C. Ellis, Montclair, N. J. Catalytic material for the oxidation of aromatic compounds by means of oxygen-containing gases. 1,486,781; Mar. 11.
Mell, Daisy W., Athens, Ga. Garment and cutting the same. 1,486,673; Mar. 11.
Merrill Company, The. (See Halvorsen, Arthur L., assignor.)
Merryweather, Hubert, Bethlehem, assignor to Bethlehem Steel Company, South Bethlehem, Pa. Treatment of ores. 1,486,256; Mar. 11.
Mess, George J. and G. B., Indianapolis, Ind. Dyeing cloth with fast colors. 1,486,353; Mar. 11.
Mess, Gordon B. (See Mess, George J. and G. B.)
Messer, Adolf, Frankfort-on-the-Main, Germany. Method for the ignition of blasting cartridges. 1,486,492; Mar. 11.
Metals Recovery Company. (See Pallanch, Rollin A., assignor.)
Metzger, Jules P., Carlstadt, assignor to The Leslie Company, Lyndhurst, N. J. Combined pressure regulating and governing apparatus. 1,486,782; Mar. 11.
Meyer, Frederick C., Washington, D. C. Ribbon-inking machine. 1,486,674; Mar. 11.
Midwest Engine Corporation. (See Schleyer, Victor, assignor.)
Milburn, Lesalter C., East Cleveland, assignor to The Glenn L. Martin Company, Cleveland, Ohio. Control. 1,486,493; Mar. 11.
Miller, Henry W., Miami, Fla. Porch awning. 1,486,783; Mar. 11.
Miller, Royal R., assignor, by mesne assignments, to Miller Traction Tread Company, Chicago, Ill. Converter attachment for drive wheels of automotive vehicles. 1,486,597; Mar. 11.
Miller Traction Tread Company. (See Miller, Royal R., assignor.)
Milligan, James H., Highland Beach, R. I. Lingerie clasp. 1,486,153; Mar. 11.
Milmoe, Michael A., Chicago, Ill. Cartoning machine. 1,486,598; Mar. 11.
Milnarist, Paul F., Joliet, Ill. Mailing envelope. 1,486,154; Mar. 11.
Mingo, Major, Dodge City, Kans. Automobile jack. 1,486,784; Mar. 11.
Moline, Walter E., London, England. Filling machine and the like for use in the automatic packing of cigarettes and other articles. 1,486,785; Mar. 11.
Monkhouse, Frederick C., Rochester, N. Y. Pinwheel. Des. 64,198; Mar. 11.
Monteith, Howard J. D., Trenton, N. J. Wall lighting fixture. Des. 64,197; Mar. 11.
Moore, Roswell A., assignor to Waterbury Buckle Co., Waterbury, Conn. Slide buckle. 1,486,599; Mar. 11.
Morenilla, Joseph, Chicago, Ill. Hair-waving device. 1,486,786; Mar. 11.
Morgan, Arthur M., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Barrel-reaming machine. 1,486,155; Mar. 11.
Morgan, David M., San Francisco, Calif. Spring bumper for automobiles. 1,486,446; Mar. 11.
Morgan, Edmund C., deceased, New York, N. Y.; O. B. Morgan, executrix. Mining system and apparatus. 1,486,293; Mar. 11.
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morris, Robert W., Waupun, Wis. Combination pocket-knife and fountain-pen holder. 1,486,294; Mar. 11.
Morrison, David G., Warren, Ohio. Conveyer. 1,486,839; Mar. 11.
Mossinghoff, Bernard H., Chicago, Ill. Automobile gear shift. 1,486,447; Mar. 11.
Motor Safety Indicator, Inc. (See Jackson, Maxey, assignor.)
Mott, Harvey H., Astoria, Oreg. Inside car door. 1,486,787; Mar. 11.
Moxey, James A., Chicago, Ill., assignor, by mesne assignments, to International Harvester Company. Running gear for trailers. 1,486,788; Mar. 11.
Mueller, Louis C. (See Rohmer, E. B., and Mueller.)
Mueller, William G., Chicago, assignor, by mesne assignments, to A. J. Gerrard, Cicero, Ill. Box-strapping machine. 1,486,354; Mar. 11.
Muffly, Glenn, Cleveland Heights, Ohio. Water-supply system. 1,486,533; Mar. 11.
Mullard, Stanley R. (See Hodgson, Benjamin, assignor.)
Mullen, Charles M., Kokomo, Ind. Vehicle spring. 1,486,295; Mar. 11.
Müller, Max, Hamburg, Germany. Floating dock. 1,486,257; Mar. 11.
Müller, Max, Hamburg, Germany. Floating dock. 1,486,258; Mar. 11.
Mumford Molding Machine Company. (See Gates, Philetus W., assignor.)
Mumford Molding Machine Company. (See Krause, William P., assignor.)
Munn, Neil D., Dresden, Ontario, Canada. Carrier for mirrors and the like. 1,486,534; Mar. 11.
Munroe, Treadway B., Forest Glen, Md. Heat-insulating plaster board. 1,486,535; Mar. 11.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murray, Howard J., Brooklyn, N. Y. Agricultural precision device. 1,486,355; Mar. 11.
Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See Hertz, Gustav L., assignor.)
Nagle, Patrick, San Francisco, Calif. Motor-vehicle attachment. 1,486,356; Mar. 11.
Nasmith, John W., Manchester, England. Combing machine. 1,486,536; Mar. 11.
Nasmith, John W., Manchester, England. Combing machine. 1,486,537; Mar. 11.
National Automatic Wireless Baler Company. (See Brown, Brazelton T., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
Needham, Joseph, Passaic, N. J. Hydrocarbon burner. 1,486,156; Mar. 11.
Nein, William C., New York, N. Y. Reverse-current controller. 1,486,675; Mar. 11.
Nelson, Gus, Douglas, Ariz. Idler for belt conveyers. 1,486,259; Mar. 11.
Neumann, R., Hardware Co., The. (See Kitchell, Joseph F., assignor.)
Newcomer, Martin, Perth Amboy, N. J. Manufacture of cartridge shells. 1,486,194; Mar. 11.
New Haven Clock Co. (See Porter, W. E., and Whitehead, assignors.)
Nickel, Leonard L., Englewood, N. J. Card holder. 1,486,789; Mar. 11.
Nie, William E., Fort Erie, Ontario, Canada. Lock. 1,486,260; Mar. 11.
Nightlinger, Benjamin F., Washington, D. C. Pruning implement. 1,486,538; Mar. 11.
Nilssen, Hans N., Duluth, Minn. Fishing vest. 1,486,676; Mar. 11.
Nonaka, Sueto, Naoiri Gun, Oita Ken, Japan. Aeroplane. 1,486,388; Mar. 11.
Norden, Carl L., Brooklyn, N. Y. Gyroscopic and other rotors. 1,486,261; Mar. 11.
Norlund, Olof A., Williamsport, Pa. Lock housing. 1,486,448; Mar. 11.
North East Electric Company. (See Wallis, Cyril T., assignor.)
Norvell, James K., Wartrace, Tenn. Mixing device. 1,486,539; Mar. 11.
Nuhring, Charles, Cincinnati, Ohio. Pump fire extinguisher. 1,486,600; Mar. 11.

Nutt, Norman W., Trenton, N. J. Separable attachment plug. 1,486,790; Mar. 11.
Nutt, Norman W., Trenton, N. J. Separable attachment plug. 1,486,791; Mar. 11.
Oakley, John. (See Perkins, J. L., Oakley, Wilson, and Croft.)
Ockfen, John, Spanway, Wash. Variable-speed driving mechanism. 1,486,389; Mar. 11.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Valve. 1,486,677; Mar. 11.
Ohlhaver, Hinrich, Sande, near Bergedorf, Germany. Making a coffee substitute. 1,486,792; Mar. 11.
Oliert, Georg, Berlin-Neukölln, Germany. Sliding-weight scale. 1,486,494; Mar. 11.
Olson, Louis, Minneapolis, Minn. Saw-tooth shaper. 1,486,157; Mar. 11.
Olson, Orville R., Webster City, Iowa. Seat cover for automobiles. 1,486,296; Mar. 11.
Ordinator Company, Inc. (See Brixey, Austin D., assignor.)
Orford Soap Company, The. (See McIntyre, Rex W., assignor.)
Orioka, Sadama, Honolulu, Hawaii. Auto safety device. 1,486,540; Mar. 11.
Oro-Tone Company, The. (See Scotford, Louis K., assignor.)
Ortiz, Luis M., and S. E. Gilmore, Chama, N. Mex. Salt and pepper shaker. 1,486,262; Mar. 11.
Orton, Ernest D., Farmersville, N. Y. Pump-valve lifter. 1,486,793; Mar. 11.
Osgood, Louis A. (See Diemer, E. R., and Osgood.)
Ottosson-Elliot, Hans, Stockholm, and M. Jönsson, Islinge, Lidingö, assignors to Aktiebolaget Industribostäder, Stockholm, Sweden. Sectional wall. 1,486,541; Mar. 11.
Overman, Max C., New York, N. Y. Cushion tire. 1,486,601; Mar. 11.
Overman, Max C., New York, N. Y. Cushion tire. 1,486,602; Mar. 11.
Overman, Max C., New York, N. Y. Cushion tire. 1,486,603; Mar. 11.
Owen, Ernest, New York, N. Y. Apparatus for the treatment of coal or similar carbonaceous substances. 1,486,794; Mar. 11.
Owen, Harry, Roosevelt, Utah. Rim. 1,486,795; Mar. 11.
Page, Ervin L., Georgetown, assignor to Page Machine Co., Inc., Haverhill, Mass. Heel-lift cementing and assembling machine. 1,486,542; Mar. 11.
Page, Julius C. (See Page, Ulysses S., and J. C.)
Page Machine Co. (See Page, Ervin L., assignor.)
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,200; Mar. 11.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,201; Mar. 11.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,202; Mar. 11.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,203; Mar. 11.
Page, Ulysses S., and J. C., Fall River, Mass. Lamp. Des. 64,199; Mar. 11.
Pallanch, Rollin A., Victor, Colo., assignor, by mesne assignments, to Metals Recovery Company, New York, N. Y. Concentrating mixed sulphide ores. 1,486,297; Mar. 11.
Panos, Andrew P., Shreveport, La. Belt. 1,486,449; Mar. 11.
Pantin, W. & C. (See Ingold, Ernest A., assignor.)
Parcelli, Ferdinand, assignor of one-half to F. Pasquale, Mount Kisco, N. Y. Chipping tool. 1,486,263; Mar. 11.
Parker Pen Co., The. (See Hjorth, Oscar B., assignor.)
Parsons, William P., assignor to Corning Glass Works, Corning, N. Y. Glass graduate. Des. 64,204; Mar. 11.
Pasquale, Frank. (See Parcelli, Ferdinand, assignor.)
Passanisi, Emanuele J., Cleveland, Ohio. Seal. 1,486,264; Mar. 11.
Patche, Henry B., Kansas City, Mo. Electric lantern. 1,486,840; Mar. 11.
Pedersen, Troels J., Jersey City, N. J. Collapsible fish trap. 1,486,390; Mar. 11.
Peerless Smoking Jacket Co., The. (See Leiken, Philip assignor.)
Pellow, Robert E. (See Trautschold, Charles M., assignor.)
Penlston, Rienzi E., Lake City, Colo. Rotary motor. 1,486,796; Mar. 11.
Perkins Appliance Company. (See Perkins, J. L., Oakley, Wilson, and Croft, assignors.)
Perkins, Julius L., West Springfield, J. Oakley, R. A. Wilson, and H. D. Croft, assignors to Perkins Appliance Company, Springfield, Mass. Broaching machine. 1,486,604; Mar. 11.
Peskar, Emil J. (See Eberhardt, Robert, assignor.)
Peter, William H., Cleveland, Ohio. Power-transmission mechanism. 1,486,680; Mar. 11.
Peterman, John W., Cincinnati, Ohio. Thermos-bottle closure. 1,486,450; Mar. 11.
Peters, Edwin T., Havre, Mont. Window shade. 1,486,678; Mar. 11.
Peters, George M., Kirkwood, Mo. Cushion wheel. 1,486,679; Mar. 11.
Peterson, Otto A., Stoughton, Mass. Divided last. 1,486,605; Mar. 11.
Pettingill, Walter E., East Providence, R. I., assignor to Bird & Son, Inc., East Walpole, Mass. Jordan engine. 1,486,681; Mar. 11.
Philips, Hans A., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,205; Mar. 11.
Phillips, Harry C., Gloucester, England. Rotary pump. 1,486,682; Mar. 11.
Pimpinella, Mariano, Ambler, Pa. Safety portable boat. 1,486,606; Mar. 11.
Pike, Robert D., San Francisco, Calif. Annealing leer or furnace. 1,486,265; Mar. 11.
Piper, George A., assignor of one-half to G. W. Laing, Bridgewater, S. Dak. Jack. 1,486,797; Mar. 11.
Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
Pittsburgh Plate Glass Company. (See Dickey, Cromwell B., assignor.)
Plumridge, John E. S., and H. Easton, Brisbane, Queensland, Australia. Machine for coating confectionery and other edible materials. 1,486,683; Mar. 11.
Porath, Benjamin, and J. W. McMillan, Buffalo, Wyo. Sulky-plow attachment. 1,486,543; Mar. 11.
Porter, Wilson E., et al. (See Lee, Harry G., assignor.)
Porter, Wilson E., and R. H. Whitehead, assignors to New Haven Clock Co., New Haven, Conn. Vacuum-wind automobile clock. 1,486,841; Mar. 11.
Poser, Max. (See Bausch, W., and Poser.)
Post, Edward C., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Pressure-reducing valve. 1,486,452; Mar. 11.
Potter, James E., Providence, R. I. Button. 1,486,451; Mar. 11.
Powell, A. L., Co., The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine. 1,486,298; Mar. 11.
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Carburetor. 1,486,299; Mar. 11.
Požár, František A., Ceska Bela, Czechoslovakia. Means for scutching and breaking fibrous plant stalks. 1,486,684; Mar. 11.
Pratt & Whitney Company. (See Hoke, William E., assignor.)
Price, William E., Hartsdale, N. Y. Clamping device. 1,486,158; Mar. 11.
Provenzano, Emilio, Philadelphia, Pa. Time-controlled phonograph starting device. 1,486,195; Mar. 11.
Puch, A. H., Printing Company. (See Gillham, Alfred R., assignor.)
Pumpless Blow Torch Company. (See Anderson, James B., assignor.)
Rabb, Jesse, jr., Youngstown, Ohio. Safety device for platforms. 1,486,453; Mar. 11.
Rabun, Wiley T., Huntington Park, Calif. Aligning device for flasks. 1,486,300; Mar. 11.
Radford, George, Oakland Beach, R. I., assignor to Richmond Lace Works, New York, N. Y. Lace. Des. 64,206; Mar. 11.
Radio Corporation of America. (See Berry, Edgar, assignor.)
Radio Corporation of America, The. (See Fleming, John A., assignor.)
Radio Corporation of America. (See Wagner, Karl W., assignor.)
Rathbone, John A., Detroit, Mich. Centrifugal casting apparatus. 1,486,544; Mar. 11.
Reed, Volnie G., Osmond, Nebr. Pump-supporting attachment for vehicles. 1,486,798; Mar. 11.
Reeder, William E., Hot Springs, S. Dak. Lid fastener. 1,486,545; Mar. 11.
Reeves, George C., J. C. Hintz, and R. Beynon, Chicago, Ill., assignors to Dryden Rubber Company. Breast-trimming machine. 1,486,159; Mar. 11.
Reid, James H., Readsboro, Vt., assignor to International Nitrogen Company, Cleveland, Ohio. Generating gas. 1,486,799; Mar. 11.
Reinhardt, George D., Tulsa, Okla. Liquid-fuel burner. 1,486,685; Mar. 11.
Reissig, Rudolf R., Roosevelt, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, Long Island, N. Y. Tank and making. 1,486,607; Mar. 11.
Remington, Alvah C. (See Ripson, John D., assignor).
Remington Typewriter Company. (See Selb, George A., assignor.)
Rhode Island Textile Company. (See Larkin, Michael J., assignor.)
Rhodin, Brodde E. F., Atlantic City, N. J. Electrolytic separation. 1,486,546; Mar. 11.
Richards, Leslie F. (See Cash, J., and Richards.)
Richmond Lace Works. (See Radford, George, assignor.)
Riddle, Edward N., Co., The. (See Crowell, Frank S., assignor.)
Ridgway, Edward J., Staten Island, N. Y. Plate or similar article. Des. 64,207; Mar. 11.
Ridgway, Edward J., Staten Island, N. Y. Plate or similar article. Des. 64,208; Mar. 11.
Riesenberg, Felix, Tuckahoe, N. Y. Water-resistant rope. 1,486,800; Mar. 11.
Ripson, John D., assignor of one-half to A. C. Remington, Rochester, N. Y. Egg carrier. 1,486,454; Mar. 11.

Rival Safety Razor Corporation. (See Barry, James F., assignor.)
Roberts, Alfred E., San Francisco, Calif. Carburetor. 1,486,495; Mar. 11.
Roberts, Frank G. A. (See Campbell, C. W. R., and Roberts.)
Robinson, Rochfort W., Marlow, England. Parallel and sectional ruler. 1,486,455; Mar. 11.
Robinson, William V., assignor to The Independent Stove Company, Owosso, Mich. Gaslighter. 1,486,160; Mar. 11.
Roblin, Brock R., Holley, assignor to Lightning Change Auto Wheel Corporation, Rochester, N. Y. Vehicle wheel. 1,486,456; Mar. 11.
Roblin, Brock R., assignor to Lightning Change Auto Wheel Corporation, Rochester, N. Y. Vehicle wheel. 1,486,457; Mar. 11.
Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
Rodgers, John W., Warrenton, N. C. Box. 1,486,301; Mar. 11.
Rodgers, William L., Pittsburgh, Pa. Washing machine. 1,486,458; Mar. 11.
Roecker, William, Marion, Ohio. Dough punching and folding machine. 1,486,686; Mar. 11.
Roell, John A., West Jackson, Miss. Railway-car-door seal. 1,486,687; Mar. 11.
Roessler & Hasslacher Chemical Company. (See Liebknecht, Otto, assignor.)
Rogers, Frank M., Baltimore, Md. Attachment for thread-twisting machines. 1,486,496; Mar. 11.
Rohmer, Edward B., and L. C. Mueller, Toledo, Ohio. Automatic ticket stamping and recording machine. 1,486,302; Mar. 11.
Root, William R., Terre Haute, Ind., assignor to Southern Fruit Julep Company, Fort Worth, Tex. Bottle. Des. 64,209; Mar. 11.
Roscher, Friedrich, Washington, D. C. Comb. 1,486,688; Mar. 11.
Rosenblatt, James S., Chicago, Ill. Amalgam-mixing device. 1,486,266; Mar. 11.
Ross, Arthur G., Vancouver, British Columbia, Canada. Shaft-bearing seal. 1,486,161; Mar. 11.
Ross, Charles A., Detroit, Mich. Valve. 1,486,303; Mar. 11.
Ross, Charles A., Detroit, Mich. Valve. 1,486,304; Mar. 11.
Ross, Thomas H., Brooklyn, assignor of one-half to R. K. Story, New York, N. Y. Wrench. 1,486,391; Mar. 11.
Rousseau, Joseph E., Haverhill, Mass. Shoe-shank former. 1,486,801; Mar. 11.
Royse, Benjamin F., Dodge City, Kans. Teakettle. 1,486,802; Mar. 11.
Ruckman, Fred D., Cleveland, Ohio. Connecting storage batteries for electrolytic formation. 1,486,803; Mar. 11.
Ruder, Charles H., and G. M. D. Shadwick, San Francisco, Calif. Apparatus for silvering. 1,486,804; Mar. 11.
Rudolph, Flavel A., St. Louis, Mo. Spark plug. 1,486,459; Mar. 11.
Ruffner, Clifford H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-paper holder. 1,486,196; Mar. 11.
Sächsische Maschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft. (See Heutschel, Walter, assignor.)
Safe-Cabinet Company, The. (See Woltera, Carl F., assignor.)
Salomon, Joseph, Chicago, Ill. Attachment for furniture legs. 1,486,267; Mar. 11.
Salomon, Joseph, Chicago, Ill. Metal chair. 1,486,268; Mar. 11.
Samuels, Howard, and R. Briggs, Delhi, N. Y. Nonskid device. 1,486,805; Mar. 11.
Sampson, Julian E., St. Louis, Mo. Lamp shade. Des. 64,210; Mar. 11.
Sander, John. (See Bock, Herman, assignor.)
Sandbrook, Alfred A., London, England. Lamp casing. 1,486,357; Mar. 11.
Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,486,547; Mar. 11.
Sanford Mills. (See Benoit, Joseph F., assignor.)
Sanford Riley Stoker Co. (See Taylor, Irving A., assignor.)
Schade, Frank H., Cudahy, Wis. Pasteboard-box closure. 1,486,689; Mar. 11.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf ledger. 1,486,392; Mar. 11.
Scheltema, Paulo, Washington, D. C. Educational device. 1,486,690; Mar. 11.
Schelling, Edmund, Dietikon, Switzerland. Machine for binding sausages. 1,486,460; Mar. 11.
Scheuer, Alfred, Vienna, and H. Scheuer, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Netherlands. Apparatus for automatic regulation of braking power on vehicles. 1,486,461; Mar. 11.
Scheuer, Hugo. (See Scheuer, Alfred and H.)
Schleyer, Victor, Anderson, assignor, by mesne assignments, to Midwest Engine Corporation, Indianapolis, Ind. Lubricating system for deep-well pumps. 1,486,842; Mar. 11.
Schmeisser, Hans, Suhl, Germany. Self-loading pistol with fixed barrel. 1,486,497; Mar. 11.
Schmidt, Gustave F., Chicago, Ill. Gas heater. 1,486,197; Mar. 11.
Schneider, Philip. (See Faber, L., and Schneider.)
Schopf, Alexander, Camden, N. J. Radio cabinet. Des. 64,211; Mar. 11.
Schroeder, Lulu S., Lansing, Mich. Alarm device. 1,486,608; Mar. 11.
Schroeder, Rudolph W., Chicago, Ill. Automatic primer for flow meters. 1,486,269; Mar. 11.
Schrum, Peter N., Hammond, Ind. Cultivator. 1,486,548; Mar. 11.
Schubert, Edwin, assignor to H. Grisbaum, New York, N. Y. Trick device for performances with animals. 1,486,305; Mar. 11.
Schuette, Johann, Zeesen-Konigs Wusterhausen, near Berlin, Germany, assignor, by mesne assignments, to American Investigation Corporation, New York, N. Y. Pipe joint. 1,486,549; Mar. 11.
Schultz, Herman J., assignor to W. F. Hall Printing Co., Chicago, Ill. Sheeting machine. 1,486,306; Mar. 11.
Schwab, Louis. (See McGuckin, John J., assignor.)
Schwab, Louis J., Peoria, Ill. Turnover mechanism. 1,486,609; Mar. 11.
Schwartz, Edward, New York, N. Y., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Electric connecter. 1,486,691; Mar. 11.
Schwartz, Samuel R. (See Bostroem, August, assignor.)
Scotford, Louis K., assignor to The Oro-Tess Company, Chicago, Ill. Sound box. 1,486,692; Mar. 11.
Sears, Roebuck & Co. (See Frost, Frank S., assignor.)
Seefluth, Charles G., and J. Beblolka, Pontiac, Mich.; said Beblolka assignor to said Seefluth. Flytrap. 1,486,307; Mar. 11.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,486,847; Mar. 11.
Seltzer, Ira R., Waterbury, assignor to The Gordon Electric Mfg. Co., Waterville, Conn. Incandescent-lamp socket. 1,486,693; Mar. 11.
Seybert, Guy W., Morris, Okla. Wrench support for drilling equipments. 1,486,198; Mar. 11.
Shackelford, Lincoln, Bonaparte, Iowa. Furnace. 1,486,462; Mar. 11.
Shadwick, George M. D. (See Ruder, C. H., and Shadwick.)
Shaffer, John E., Tulsa, Okla. Gauge cock. 1,486,162; Mar. 11.
Shakeproof Screw & Nut Lock Company. (See Hosking, Richard T., assignor.)
Sheaffer, James E., Burnham, Pa. Ladle stopper rod. 1,486,694; Mar. 11.
Shepard, Arvine, Duncan, Okla. Piston-groove cleaner. 1,486,806; Mar. 11.
Sherman, Willis S., Milwaukee, Wis., Stationary knife-edge for end matchers. 1,486,550; Mar. 11.
Shevenell, John L., et al., trustees. (See Josephson, Helmer G., assignor.)
Shook, Thomas H., Mexia, Tex. Knee pad. 1,486,308; Mar. 11.
Short, Frank, Penn Yan, N. Y. Toy aeroplane. 1,486,463; Mar. 11.
Siemens & Halske Aktiengesellschaft. (See Gerdien, Hans, assignor.)
Simmons, Edward N., Chicago, Ill. Sewing-machine thread controller. 1,486,610; Mar. 11.
Singer, Joseph B., and A. B. Levy, New York, N. Y. Folding display device. 1,486,695; Mar. 11.
Skala, Josef, Pilsen, Czechoslovakia. Toy shooting device. 1,486,807; Mar. 11.
Skilles, Ira T., Long Beach, Calif. Combination perforator, closure, and pouring attachment for containers. 1,486,199; Mar. 11.
Skinner, Lewis B., Denver, Colo. Method of and apparatus for conducting furnacing operations. 1,486,808; Mar. 11.
Sliding Valves Incorporated. (See Wilson, Wylie G., assignor.)
Smelik, Frank, Nokomis, Ill. Burner cleaner. 1,486,464; Mar. 11.
Smelik, Frank, assignor of one-half to E. H. Hebenstreit, Nokomis, Ill. Rail-sander spout. 1,486,163; Mar. 11.
Smith, Alfred H., Chappaqua, N. Y. Compartment freight car. 1,486,164; Mar. 11.
Smith, Allan W., Brooklyn, N. Y. Scissors and shears. 1,486,165; Mar. 11.
Smith, Charles G., Cambridge, assignor, by mesne assignments, of one-half to L. K. Marshall, Somerville, Mass. Refrigerating apparatus. 1,486,551; Mar. 11.
Smith, Curtis E., St. Joseph, Mo. Portable saw. 1,486,808; Mar. 11.
Smith, Harry F., assignor, by mesne assignments, to The Gas Research Company, Dayton, Ohio. Pump. 1,486,498; Mar. 11.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,486,843; Mar. 11.
Smith, May R., Brooklyn, N. Y. Doll. Des. 64,212; Mar. 11.
Smith, Ronald A., Mount Pleasant, Pa. Connecting-rod bearing. 1,486,465; Mar. 11.
Smith, Ruth R., Mack, Colo. Robe. 1,486,393; Mar. 11.
Smith, William M. A., assignor of one-half to (Mrs.) Rose Barnett, Dallas, Tex. Fountain brush. 1,486,394; Mar. 11.
Smithers, Walter, Brooklyn, N. Y. Scaffold horse. 1,486,395; Mar. 11.
Smolen, Harry, Brooklyn, N. Y. Shoe. Des. 64,228; Mar. 11.

Smolen, Harry, Brooklyn, N. Y. Shoe. Des. 64,229; Mar. 11.
Snodgrass, Charles W., Mannington, W. Va. Tire chain. 1,486,696; Mar. 11.
Snyder, Harry. (See Jeffery, J., and Snyder.)
Société Anonyme le Carboue. (See Street, Ernest A. G., assignor.)
Sonora, Inc. (See Wolff, Joseph, assignor.)
Sorensen, Carl P. (See Bong, C. H., and Sorensen.)
Sorenson, William F. (See Wells, Fred W., jr., assignor.)
Southern Fruit Julep Company. (See Root, William R., assignor.)
Sparer, Nathan, Somerville, and M. Halperson, Boston, Mass. Plaited button. 1,486,309; Mar. 11.
Sparks, Jonas A., Elk City, Kans. Apparatus for cleaning gasoline. 1,486,466; Mar. 11.
Spencer, Henry K., Watertown, assignor to The Blanchard Machine Company, Cambridge, Mass. Abrasive-wheel dresser. 1,486,844; Mar. 11.
Spitzfaden, Louis, Elisabeth, assignor to Chrome Steel Works, Chrome, N. J. Workholder for screw-threading machines. 1,486,467; Mar. 11.
Sprinkle, Edgar E., Fort Smith, Ark. Acetylene-gas generator. 1,486,270; Mar. 11.
Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
Standish, Edward K., Dorchester, Mass. Braiding machine. 1,486,166; Mar. 11.
Stanley, Arthur M., Lynn, assignor to Mead-Morrison Manufacturing Company, East Boston, Mass. Automobile winch. 1,486,845; Mar. 11.
Staples, Urdix L., Haverhill, Mass. Sandal. Des. 64,213; Mar. 11.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Spoon or analogous article. Des. 64,214; Mar. 11.
Starr, Louis E., Santa Paula, Calif. Frame-wiring device. 1,486,809; Mar. 11.
Stauffer, Wallace W., Akron, Ind. Dough cutter. 1,486,810; Mar. 11.
Steel, Charles C., and T. H. Lynn, Williamsport, Pa. Tire carrier for automobiles. 1,486,397; Mar. 11.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Steele, Mary J., San Francisco, Calif. Dispensing container. 1,486,200; Mar. 11.
Stefan, Philip, Moundsville, W. Va. Windowpane fastener. 1,486,167; Mar. 11.
Stephens, Beverly C. (See Chapman, Richard B., assignor.)
Stevens & Company. (See McGuckin, John J., assignor.)
Stevens, Earl M., Chicago, Ill. Jar. Des. 64,215; Mar. 11.
Stewart, John W., Crawford, Scotland. Brake for road vehicles. 1,486,611; Mar. 11.
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stewart-Warner Speedometer Corporation. (See Wood, Andrew C., assignor.)
Stillson, Floyd, Williamsburg, Ontario, Canada. Machine for mashing beefsteak and the like. 1,486,697; Mar. 11.
Stokes, Percy, Philadelphia, Pa. Steering controller and shock absorber for vehicles. 1,486,612; Mar. 11.
Story, Robert K. (See Ross, Thomas H., assignor.)
Strang, Charles B., Lindenwood, Ill. Sickle head. 1,486,811; Mar. 11.
Street, Ernest A. G., assignor to Société Anonyme le Carbone, Levallois-Perret, France. Electric battery. 1,486,613; Mar. 11.
Stricker, Clarence W., assignor to The Daly Manufacturing Company, Cincinnati, Ohio. Puff iron. 1,486,168; Mar. 11.
Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
Submarine Signal Company. (See Williams, Robert L., assignor.)
Sullwold, Harold H., St. Paul, Minn. Window fastener. 1,486,614; Mar. 11.
Sumbling, William H., Toronto, Ontario, Canada. Safety release for power-driven rolls or cutters. 1,486,310; Mar. 11.
Sutter, Frederick C., Detroit, Mich. Automobile radiator protector. 1,486,201; Mar. 11.
Swanson, Frank M., Minneapolis, Minn. Latch. 1,486,552; Mar. 11.
Sweetser, George, London, England. Ink bottle and ink pot. 1,486,812; Mar. 11.
Sworbell, John A., Jersey City, N. J., assignor to H. Breslavsky, New York, N. Y. Ring. Des. 64,216; Mar. 11.
Sylvester, William S., Denver, Colo. Spring oiler. 1,486,202; Mar. 11.
T. & T. Storage Battery Co. (See Townsend, George F., assignor.)
Tabulating Machine Company, The. (See Lake, Clair D., assignor.)
Taffee, Leo H., assignor to Hastings Manufacturing Co., Hastings, Mich. Bumper. 1,486,615; Mar. 11.
Talley, Thurmon H., Plainview, Tex. Headlight. 1,486,616; Mar. 11.
Tallman, John A., Toledo, Ohio. Chair. 1,486,813; Mar. 11.
Tambach, Rudolf, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to The Chemical Foundation, Inc. Rendering durable extracts of drugs. 1,486,468; Mar. 11.
Taprell Loomis & Company. (See Froelich, Joseph jr., assignor.)
Taylor, Irving A., assignor to Sanford Riley Stoker Co. Ltd., Worcester, Mass. Furnace-feeding mechanism. 1,486,311; Mar. 11.
Taylor, John, Forest Grove, Oreg. Mold for constructing concrete building walls. 1,486,499; Mar. 11.
Teegardin, Robert M., Seattle, Wash. Automatic air valve. 1,486,617; Mar. 11.
Texas Company, The. (See Davenport, Arthur E., assignor.)
Texas Company, The. (See Morgan, Arthur M., assignor.)
Them, Hermann, Dinglingen, Baden, Germany, assignor to Carbic Limited, London, England. Manufacture of calcium-carbide cakes. 1,486,618; Mar. 11.
Thermoid Rubber Co. (See Thropp, Peter D., assignor.)
Thomas, Charles M., Wytheville, Va. Simplified time chart. 1,486,553; Mar. 11.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Switch handle. 1,486,698; Mar. 11.
Thomasson, Samuel G., Jasonville, Ind. Acetylene lamp. 1,486,500; Mar. 11.
Thorndell, Charles H., Connellsville, Pa. Furnace door. 1,486,699; Mar. 11.
Thropp, Peter D., assignor to Thermoid Rubber Co., Trenton, N. J. Tire tread. Des. 64,217; Mar. 11.
Thun, Hermann, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Apparatus for the measurement of plane surfaces. 1,486,203; Mar. 11.
Tice and Company. (See Tice, George W., assignor.)
Tice, George W., Flint, Mich., assignor to Tice and Company, Indianapolis, Ind. Rotary internal-combustion engine. 1,486,501; Mar. 11.
Timson, Frederick H., Sharon, Mass. Gaiter or similar article. Des. 64,218; Mar. 11.
Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
Tolson, Charles G., Manchester, England. Method of and means for indicating the proper period for gear changing in motor vehicles. 1,486,619; Mar. 11.
Tomkins, Hsrold P., Charleston, W. Va. Extension rail. 1,486,700; Mar. 11.
Townsend, Elizabeth E., Northdown, near Margate, England. Mechanically reproducing portraits in relief from stereoscopic photographs. 1,486,814; Mar. 11.
Townsend, George F., Oakland, assignor to T. & T. Storage Battery Co., Inc., Los Angeles, Calif. Storage battery. 1,486,398; Mar. 11.
Trautschold, Charles M., assignor of one-half to R. E. Pellow, Waco, Tex. Trestle. 1,486,169; Mar. 11.
Trebert Airplane Motor Company. (See Trebert, Henry L. F., assignor.)
Trebert, Henry L. F., assignor to Trebert Airplane Motor Company, Inc., Rochester, N. Y. Rotary gas engine. 1,486,502; Mar. 11.
Trent, Simeon V., Salt Lake City, Utah. Cellular dirigible airship. 1,486,399; Mar. 11.
Trimble, Alonzo F., Hogansville, Ga. Book or magazine holder. 1,486,503; Mar. 11.
Trotter, John T., Brooklyn, N. Y. Electric fitting. 1,486,815; Mar. 11.
Trullinger, Daniel N. and H. A., Aurora, Oreg. Device for use in forming concrete conduits. 1,486,204; Mar. 11.
Trullinger, Herbert A. (See Trullinger, Daniel N. and H. A.)
Trumbull, George R., assignor to Volk Mfg. Co., Inc., Bantam, Conn. Fuse. 1,486,170; Mar. 11.
Tsutsui, Harry R., Los Angeles, Calif. Door locking, releasing, and operating means. 1,486,271; Mar. 11.
Tufts, Edith M. H. L., Vancouver, British Columbia, Canada. Match striker. 1,486,205; Mar. 11.
Türck, Engen. (See Bösebeck, E., and Türck.)
Turner Brothers' Company. (See Edwards, Wilson D., assignor.)
Turner, Oscar R., Salt Lake City, Utah. Triangle-calculating instrument. 1,486,400; Mar. 11.
Ullman, Louis, New York, N. Y. Stuffing-box gland and packing therefor. 1,486,312; Mar. 11.
Underwood, Elzy T., Field Creek, Tex. Plow carrier. 1,486,469; Mar. 11.
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
U. S. Slicing Machine Company. (See Bachman, Rudolph, assignor.)
Valente, Alessandro, London, England. Combination or permutation lock. 1,486,846; Mar. 11.
Van Ackeren, Joseph, assignor to The Koppers Company, Pittsburgh, Pa. Coke-oven wall structure. 1,486,401; Mar. 11.
Van Antwerp, Edith Burlingame, Calif. Score-calculating device. 1,486,313; Mar. 11.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Van Heusen, John M., Jamaica Plain, Mass. Collar band. 1,486,702; Mar. 11.
Van Heusen, John M., Jamaica Plain, Mass., assignor to Van Heusen Products, Inc. Collar. 1,486,701; Mar. 11.
Van Heusen, John M., Jamaica Plain, Mass., assignor to Van Heusen Products, Inc. Collar and collar fabric. 1,486,703; Mar. 11.

Vapor Car Heating Company. (See Post, Edward C., assignor.)
Venable, William M., Pittsburgh, Pa., assignor to Blaw-Knox Company. Bin. 1,486,206; Mar. 11.
Vesta Battery Corporation. (See Angell, Chester M., assignor.)
Vestal, Albert H. (See Malone, Adolphus W., assignor.)
Vester, Alfred, Sons, Inc. (See McFadden, Glenn E., assignor.)
Vicars, Edward L. (See Vicars, Thomas and E. L.)
Vicars, Thomas and E. L., Earlestown, England. Variable-speed gear. 1,486,704; Mar. 11.
Vickers Limited. (See Lucas, Owen D., assignor.)
Volk Mfg. Co. (See Trumbull, George R., assignor.)
Vraylas, James, Peoria, Ill. Wall cuspidor. Des. 64,219; Mar. 11.
Wade, Katherine W., San Francisco, Calif. Flower doll. Des. 64,220; Mar. 11.
Wade, Katherine W., San Francisco, Calif. Flower doll. Des. 64,221; Mar. 11.
Wadenbach, Robert, Magdeburg, Germany. Hoeing machine. 1,486,504; Mar. 11.
Waggoner, Albert H., Chicago, Ill. Electric flatiron. 1,486,314; Mar. 11.
Wagner, Karl W., Berlin, Germany, assignor to Radio Corporation of America. Stabilizing oscillation generators. 1,486,505; Mar. 11.
Wagner, Karl W., Berlin, Germany, assignor to Radio Corporation of America. Stabilizing oscillation generator. 1,486,506; Mar. 11.
Waite Land & Livestock Company. (See Groves, Earl C., assignor.)
Walker, Charles E., Hamilton, Ohio. Decorative coating and forming the same. 1,486,705; Mar. 11.
Walker, Frank E., Elmhurst, N. Y. Rope clamp. 1,486,507; Mar. 11.
Wallis, Cyril T., assignor to North East Electric Company, Rochester, N. Y. Speedometer or the like. 1,486,207; Mar. 11.
Walsh, James J., executor. (See Walsh, J. A., and Kennedy.)
Walsh, Joseph A., deceased, and J. F. Kennedy, Pittsburgh, Pa.: J. J. Walsh, executor. Tie plate. 1,486,706; Mar. 11.
Ward, Erwin J. (See Haste, J. H., and Ward.)
Waream, Charles E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Delinting drying tumbler. 1,486,402; Mar. 11.
Warner, Arthur L., Elgin, assignor to Illinois Iron and Bolt Company, Carpentersville, Ill. Gate box. 1,486,707; Mar. 11.
Wartenberg, Hermann, Charlottenburg, near Berlin, Germany. Explosion engine. 1,486,817; Mar. 11.
Waterbury Buckle Co. (See Moore, Roswell A., assignor.)
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Watkins, Wilbur J., South Pasadena, Calif. Sling gun. 1,486,403; Mar. 11.
Waud, Robert H. (See Jefferson, B. H., and Waud.)
Weber, Jacob, Mansfield, Ohio. Coloring white transparent crushed marble, silica, or the like for making colored art marble, terrazzo, or the like. 1,486,208; Mar. 11.
Webster Mfg. Company. (See Landahl, Eugene E., assignor.)
Weeks, Frank A., Plainfield, N. J., assignor to L. V. Coleman, Washington, D. C. Tripod. 1,486,508; Mar. 11.
Weisberger, Samuel M., Scranton, Pa. Electric wax sealer. 1,486,404; Mar. 11.
Welch, Roy W., Kelso, Wash. Fisherman's belt. 1,486,470; Mar. 11.
Wells, Anderson J., South Greensburg, Pa. Two-piece packing gland. 1,486,708; Mar. 11.
Wells, Fred W., jr., assignor of one-half to W. F. Sorenson, Springfield, Mass. Automobile signal. 1,486,554; Mar. 11.
Wesche, Louis F., Webb, Iowa. Air-pressure alarm device for pneumatic tires. 1,486,209; Mar. 11.
Western Electric Company, Incorporated. (See Egerton, Henry C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Allen, Robert C., assignor.)
Wheeler, John L., St. Louis, Mo., assignor to The Measuregraph Company. Antispinning device. 1,486,709; Mar. 11.
Wheeling Steel Corporation. (See Kielberg, Henry, assignor.)
Wheland Company, The. (See Campbell, George E., assignor.)
Whitaker-Glessner Company. (See Holloway, W. W., and Kielberg, assignors.)
White, Albert L., Yuma, Ariz. Pendant. Des. 64,222; Mar. 11.
White Mop Wringer. (See Eiffe, James M., assignor.)
White, Paul H., Indianapolis, assignor to Indiana Silo and Tractor Co., Anderson, Ind. Tractor wheel construction. 1,486,405; Mar. 11.
White, William E., Milwaukee, Wis. Knit cap and making same. 1,486,171; Mar. 11.
Whitehead, Leo S., Akron, Ohio. Washer sorting and assembling device. 1,486,818; Mar. 11.
Whitehead, Richard H. (See Porter, W. E., and Whitehead.)
Whitehead, Richard H., et al. (See Lee, Harry G., assignor.)
Whiting Manufacturing Company. (See Ball, George E., assignor.)
Whittaker, John A., Detroit, Mich. Buck anchor. 1,486,509; Mar. 11.
Whittier, Joseph S., Houlton, Me. Spark plug. 1,486,710; Mar. 11.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument drive for motor vehicles. 1,486,510; Mar. 11.
Wico Electric Company. (See Clark, Harold H., assignor.)
Wier, William E., Grand Rapids, Mich. Typewriter attachment. 1,486,819; Mar. 11.
Wikfeld, Adolph, North Bergen, N. J. Air-supply device for use with carburetors. 1,486,555; Mar. 11.
Wilcox, Charles E., Anaheim, assignor to E. C. Wilson, Los Angeles, Calif. Well-pipe elevator. 1,486,471; Mar. 11.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Connection mechanism. 1,486,711; Mar. 11.
Wilder, James L., Concord, N. H. Wrecking tool. 1,486,820; Mar. 11.
Wiley, William R., Mount Clemens, Mich. Snap fastener. 1,486,315; Mar. 11.
Wilhelm, Henry, Brooklyn, N. Y. Primary battery. 1,486,172; Mar. 11.
Williams, Richard J., Virginia, Minn. Hose coupling. 1,486,712; Mar. 11.
Williams, Robert L., Newton, Mass., assignor to Submarine Signal Company, Portland, Me. Submarine signaling. 1,486,821; Mar. 11.
Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Pressed-steel wheel for automobiles. 1,486,173; Mar. 11.
Williams, William E., Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill. Automobile wheel with demountable rim. 1,486,174; Mar. 11.
Wilson, E. C. (See Wilcox, Charles E., assignor.)
Wilson, Lewis K., Waukesha, Wis. Stanchion. 1,486,713; Mar. 11.
Wilson, Robert A. (See Perkins, J. L., Oakley, Wilson, and Croft.)
Wilson, Walter, Jersey City, N. J. Yarn holder. 1,486,406; Mar. 11.
Wine, William E., Toledo, Ohio. Door arrangement for railway cars. 1,486,210; Mar. 11.
Wilson, Wylie G., New York, N. Y., assignor to Sliding Valves Incorporated. Valve construction. 1,486,175; Mar. 11.
Windecker, Martin, Ponchatoula, La. Loss-preventing device. 1,486,472; Mar. 11.
Wine, William E., Toledo, Ohio. Railway car. 1,486,211; Mar. 11.
Wine, William E., Toledo, Ohio. Car-door construction. 1,486,212; Mar. 11.
Wine, William E., Toledo, Ohio. Door mechanism for railway cars. 1,486,213; Mar. 11.
Wine, William E., Toledo, Ohio. Car-door lock. Re. 15,792; Mar. 11.
Witte, Meinhard, Minneapolis, Minn. Radiator. 1,486,556; Mar. 11.
Wittmeier, Robert S., Portland, Oreg. Internal-combustion engine. 1,486,714; Mar. 11.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora, Inc. Phonograph cabinet. Des. 64,225; Mar. 11.
Wolfson, Fay E. (See Wolfson, Isadore D. and F. E.)
Wolfson, Isadore D. and F. E., New York, N. Y. Necktie. 1,486,822; Mar. 11.
Wolters, Carl F., assignor to The Safe-Cabinet Company, Marietta, Ohio. Safe. 1,486,176; Mar. 11.
Wood, Andrew C., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feed reserve system. 1,486,715; Mar. 11.
Wood, Edward C., Nyah West, via Swan Hill, Victoria, Australia. Antiskid tire shoe. 1,486,716; Mar. 11.
Woodberry, John H., U. S. Army. Supersensitive fuse. 1,486,177; Mar. 11.
Woonsocket Machine & Press Co. (See Brook, Harry, assignor.)
Yessler, George F., Port Chester, N. Y. Composite refractory metallic body. 1,486,214; Mar. 11.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Hanger for lighting fixtures. Des. 64,244; Mar. 11.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Hanger for lighting fixtures. Des. 64,225; Mar. 11.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp standard. Des. 64,226; Mar. 11.
Yokel, Frank, Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Globe holder for lighting fixtures. Des. 64,227; Mar. 11.
Young, Frank, Phoenix, Ariz. Clothespin. 1,486,717; Mar. 11.
Young, Joseph D., Newport, Wash. Tire-chain hook. 1,486,557; Mar. 11.
Zerbee, Leigh F. J., Bellefontaine, Ohio. Air gun. 1,486,215; Mar. 11.
Zygmunt, Frank, Plantsville, Conn. Tool handle. 1,486,718; Mar. 11.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid, Composition of matter to be used for the manufacture of salts of acetyl-salicylic. O. Gerngross and H. Kast. 1,486,373; Mar. 11.
Acid extract and alcohols from hydrocarbon gases, Production of. C. Ellis and M. J. Cohen. 1,486,647; Mar. 11.
Acid, Producing hydrocyanic. O. Liebknecht. 1,486,592; Mar. 11.
Aeroplane. S. Nonaka. 1,486,388; Mar. 11.
Agricultural precision device. H. J. Murray. 1,486,355; Mar. 11.
Aircraft, Device for controlling the cooling air, especially for the gondolas of. L. Dürr. 1,486,644; Mar. 11.
Airship-anchoring means. K. Arnstein. 1,486,623; Mar. 11.
Airship, Cellular dirigible. S. V. Trent. 1,486,399; Mar. 11.
Alarm: *See*—
Fire alarm.
Alarm device. L. S. Schroeder. 1,486,608; Mar. 11.
Alcohol, etc., and making same. C. Ellis and M. J. Cohen. 1,486,646; Mar. 11.
Aldehydes and other oxidation products, Making. C. H. Bibb. Re15,780; Mar. 11.
Amalgam-mixing device. J. S. Rosenblatt. 1,486,266; Mar. 11.
Anchor, Buck. J. A. Whittaker. 1,486,509; Mar. 11.
Animal trap. I. W. Hills. 1,486,663; Mar. 11.
Antibutting attachment for animals. V. O. Crawford. 1,486,419; Mar. 11.
Antiskid and grip device for motor-driven vehicles. L. Collette. 1,486,730; Mar. 11.
Antislipping device for vehicle wheels. W. Caskey. 1,486,634; Mar. 11.
Antispinning device. J. L. Wheeler. 1,486,709; Mar. 11.
Assembling machine for insulator knobs. J. E. Hires. 1,486,664; Mar. 11.
Auto safety device. S. Orioka. 1,486,540; Mar. 11.
Automobile. J. Hajdu. 1,486,660; Mar. 11.
Automobile decking device. A. Copony. 1,486,636; Mar. 11.
Automobile gear shift. B. H. Mossinghoff. 1,486,447; Mar. 11.
Automobile jack. M. Mingo. 1,486,784; Mar. 11.
Automobile pocket. C. F. Crecelius. 1,486,566; Mar. 11.
Automobile radiator heater. S. Brest. 1,486,480; Mar. 11.
Automobile radiator protector. F. C. Sutter. 1,486,201; Mar. 11.
Automobile seat cover. O. B. Olson. 1,486,296; Mar. 11.
Automobile signal. H. Bock. 1,486,477; Mar. 11.
Automobile signal. F. W. Wells, jr. 1,486,554; Mar. 11.
Automobile signal-light casing. H. M. Lind. Des. 64,191; Mar. 11.
Automobile wheel with demountable rim. W. E. Williams. 1,486,174; Mar. 11.
Automobile winch. A. M. Stanley. 1,486,845; Mar. 11.
Automobiles and other vehicles, Shock absorber for. C. M. Garland. 1,486,239; Mar. 11.
Automobiles, Means for preventing the theft of. L. Frantz. 1,486,371; Mar. 11.
Automobiles or other vehicles, Suspension device for. L. Joubert. 1,486,763; Mar. 11.
Automobiles, Pressed-steel wheel for. W. E. Williams. 1,486,173; Mar. 11.
Automobiles, Spring bumper for. D. M. Morgan. 1,486,446; Mar. 11.
Automobiles, Traffic signal for. F. M. Grieten. 1,486,517; Mar. 11.
Awning, Porch. H. W. Miller. 1,486,783; Mar. 11.
Bag frame. J. F. Kitchell. 1,486,490; Mar. 11.
Band-mill tilt shaft. G. E. Campbell. 1,486,632; Mar. 11.
Bar: *See*—
Boring bar.
Barrel-heading press. N. S. Kibler. 1,486,766; Mar. 11.
Barrel-reaming machine. A. M. Morgan. 1,486,155; Mar. 11.
Basket carrier. L. Hibbard. 1,486,747; Mar. 11.
Batteries for electrolytic formation, Connecting storage. F. D. Ruckman. 1,486,803; Mar. 11.
Battery: *See*—
Electric battery. Storage battery.
Primary battery.
Battery construction, Storage. C. H. Bong and C. P. Sorensen. 1,486,124; Mar. 11.
Bearing, Balancing-machine. R. C. Allen. 1,486,115; Mar. 11.
Bearing, Center. O. E. Hovey. 1,486,143; Mar. 11.
Bearing, Connecting-rod. R. A. Smith. 1,486,465; Mar. 11.
Bed, Wall or recess. R. Jacobi. 1,486,380; Mar. 11.
Bed warmer, Electric. R. W. Biddlecom. 1,486,412; Mar. 11.
Beefsteak and the like, Machine for mashing. F. Stillson. 1,486,697; Mar. 11.
Belt. A. P. Panos. 1,486,449; Mar. 11.
Belt adjuster, Fan-. J. H. Clark. 1,486,729; Mar. 11.
Belt conveyers, Idler for. G. Nelson. 1,486,259; Mar. 11.
Belt, Fisherman's. R. W. Welch. 1,486,470; Mar. 11.
Belting, Link. H. A. House. 1,486,582; Mar. 11.
Bin. W. M. Venable. 1,486,206; Mar. 11.
Board: *See*—
Plaster board.
Boat, Safety portable. M. Pimpinella. 1,486,606; Mar. 11.
Bobbin shafts of roving frames, Chain-drive mechanism for. H. Brook. 1,486,831; Mar. 11.
Boiler connection, Household-. G. C. Birney. 1,486,476; Mar. 11.
Boiler tubes, Apparatus for drawing. P. Coval. 1,486,637; Mar. 11.
Book or magazine holder. A. F. Trimble. 1,486,508; Mar. 11.
Boring bar. D. S. Anthony. 1,486,408; Mar. 11.
Boring-bar holder. D. S. Anthony. 1,486,407; Mar. 11.
Bottle. W. R. Root. Des. 64,209; Mar. 11.
Bottle closure, Thermos-. J. W. Peterman. 1,486,450; Mar. 11.
Bottles, Locking device for milk. H. Gould, F. Ackermann, and J. Geering. 1,486,331; Mar. 11.
Box: *See*—
Gate box. Sound box.
Meter box.
Box. C. B. Dickey. 1,486,234; Mar. 11.
Box. J. W. Rodgers. 1,486,301; Mar. 11.
Box closure, Pasteboard-. F. H. Schade. 1,486,689; Mar. 11.
Box corner. P. D. Craig. 1,486,513; Mar. 11.
Box-strapping machine. W. G. Mueller. 1,486,354; Mar. 11.
Boxes, bales, or the like, Binding or tying of. E. A. Ingold. 1,486,396; Mar. 11.
Braiding machine. M. J. Larkin. 1,486,527; Mar. 11.
Braiding machine. E. K. Standish. 1,486,166; Mar. 11.
Brake: *See*—
Train brake. Vehicle brake.
Brakes, Mechanical movement for. H. Ledbetter. 1,486,350; Mar. 11.
Brassière, Girdle. C. Mayer. 1,486,779; Mar. 11.
Breast-trimming machine. G. C. Reeves, J. C. Hintz, and R. Beynon. 1,486,159; Mar. 11.
Brick, Method of and apparatus for flashing. C. Dressler. 1,486,129; Mar. 11.
Broaching machine. J. L. Perkins, J. Oakley, R. A. Wilson, and H. D. Croft. 1,486,604; Mar. 11.
Broom holder. P. Lutz. 1,486,443; Mar. 11.
Broom ratchet or holder. T. S. Jones. 1,486,762; Mar. 11.
Brush. A. G. Bernat. 1,486,722; Mar. 11.
Brush, Fountain. W. M. A. Smith. 1,486,394; Mar. 11.
Buckle, Slide. R. A. Moore. 1,486,599; Mar. 11.
Bumper. I. Berry. 1,486,222; Mar. 11.
Bumper. C. V. Gessler. 1,486,740; Mar. 11.
Bumper. L. H. Taffee. 1,486,615; Mar. 11.
Burner: *See*—
Gas burner. Oil burner.
Liquid-fuel burner.
Burner cleaner. F. Smelik. 1,486,464; Mar. 11.
Butter, margarine, and the like, Combined molding and wrapping-up machine for. W. Hilgers. 1,486,748; Mar. 11.
Button. J. E. Potter. 1,486,451; Mar. 11.
Button, Plaited. N. Sparer and M. Halperson. 1,486,309; Mar. 11.
Calcium-carbide cakes, Manufacture of. H. Them. 1,486,618; Mar. 11.
Cameras, Periscope attachment for. W. C. Cox. 1,486,231; Mar. 11.
Can opener. A. M. Jensen. 1,486,249; Mar. 11.
Can-seaming machine. F. W. Burpee. 1,486,225; Mar. 11.

Cans, Dust cover for ash. A. D. Klages. 1,486,439; Mar. 11.
Car, Compartment-freight. A. H. Smith. 1,486,164; Mar. 11.
Car-door arrangement. W. F. Cremean. 1,486,232; Mar. 11.
Car-door construction. W. B. Wine. 1,486,212; Mar. 11.
Car door hanger and door. M. E. Jones. 1,486,525; Mar. 11.
Car door, Inside. H. H. Mott. 1,486,787; Mar. 11.
Car-door lock. W. B. Wine. Re15,792; Mar. 11.
Car door seal, Railway. J. A. Roell. 1,486,687; Mar. 11.
Car, Railway. W. E. Wine. 1,486,211; Mar. 11.
Cars, Automatic coupling for railway. T. J. Futrell. 1,486,737; Mar. 11.
Cars, Device for transferring railway. H. B. Dwight. 1,486,235; Mar. 11.
Cars, Door arrangement for railway. W. E. Wine. 1,486,210; Mar. 11.
Cars, Door mechanism for railway. W. E. Wine. 1,486,213; Mar. 11.
Carburetor. W. A. Inman. 1,486,522; Mar. 11.
Carburetor. A. L. Powell. 1,486,299; Mar. 11.
Carburetor. A. E. Roberts. 1,486,495; Mar. 11.
Carburetors, Air-supply device for use with. A. Wikfeld. 1,486,555; Mar. 11.
Cardboard-box-routing machine. E. S. J. Child. 1,486,228; Mar. 11.
Card holder. L. L. Nickel. 1,486,789; Mar. 11.
Card holder and match scratcher, Advertising. F. Jensen. 1,486,188; Mar. 11.
Carline. C. D. Bonsall. 1,486,318; Mar. 11.
Carrier: *See*—
Automobile tire carrier. Golf-club carrier.
Basket carrier. Plow carrier.
Egg carrier.
Carrousel. J. F. Kline. 1,486,669; Mar. 11.
Cartoning machine. M. J. Milmoe. 1,486,598; Mar. 11.
Cartons, Machine for closing the ends of. R. W. McIntyre. 1,486,151; Mar. 11.
Cartridges, Ignition of blasting. A. Messer. 1,486,492; Mar. 11.
Case: *See*—
Coin case. Jewelry case.
Egg case. Vanity case.
Casket seal. J. A. King. 1,486,384; Mar. 11.
Caskets, Flower rack for burial. A. McClain. 1,486,773; Mar. 11.
Caster. F. A. Baum. 1,486,217; Mar. 11.
Casting apparatus, Centrifugal. J. A. Rathbone. 1,486,544; Mar. 11.
Cell, Recuperation. C. F. Buffard. 1,486,726; Mar. 11.
Centering shafts, Gauge for. W. J. Jerman. 1,486,667; Mar. 11.
Chain fastener. O. Bodeen. 1,486,627; Mar. 11.
Chain links and the like, Protector for. N. Hanson. 1,486,375; Mar. 11.
Chain-repair tool. V. A. Fischer. 1,486,484; Mar. 11.
Chair: *See*—
Metal chair.
Chair. J. A. Tallman. 1,486,813; Mar. 11.
Chandelier for lighting fixtures. F. S. Crowell. Des. 64,162–3; Mar. 11.
Chart, Simplified time. C. M. Thomas. 1,486,553; Mar. 11.
Chicken brooder. R. Aschenbach. 1,486,117; Mar. 11.
Chipping tool. F. Parcelli. 1,486,263; Mar. 11.
Chuck sleeves, Making. H. G. Carlson. 1,486,280; Mar. 11.
Cigarettes and other articles, Filling machine and the like for use in the automatic packing of. W. E. Molins. 1,486,785; Mar. 11.
Clamp: *See*—
Rope clamp.
Clamp for lead molds. C. M. Angell. 1,486,622; Mar. 11.
Clamping device. W. E. Price. 1,486,158; Mar. 11.
Clasp: *See*—.
Lingerie clasp.
Cleaner: *See*—
Burner cleaner. Spittoon cleaner.
Piston-rod cleaner. Vacuum cleaner.
Clock, Vacuum-wind automobile. W. B. Porter and R. H. Whitehead. 1,486,941; Mar. 11.
Clothespin. F. Young. 1,486,717; Mar. 11.
Cloth-laying-up machine. M. Ismace. 1,486,584; Mar. 11.
Clutch-pedal-locking device. P. B. Belchea. 1,486,218; Mar. 11.
Clutch-release and gear-shift mechanism, Foot-operated. E. Hosch. 1,486,192; Mar. 11.
Coal, Mechanism for mining. N. D. Levin. 1,486,529; Mar. 11.
Coal or similar carbonaceous substances, Apparatus for the treatment of. E. Owen. 1,486,794; Mar. 11.
Coating and forming the same, Decorative. C. E. Walker. 1,486,705; Mar. 11.
Cock, Gauge. J. E. Shaffer. 1,486,162; Mar. 12.
Coffee substitute, Making of a. H. Ohlhaver. 1,486,792; Mar. 11.
Coin case for bathers, Novelty. G. Antelmi. 1,486,178; Mar. 11.
Coin receptacle. M. D. Adler. 1,486,621; Mar. 11.
Collar. J. M. van Heusen. 1,486,701; Mar. 11.
Collar and collar fabric. J. M. van Heusen. 1,486,703; Mar. 11.
Collar band. J. M. van Heusen. 1,486,702; Mar. 11.
Comb. F. Roscher. 1,486,688; Mar. 11.
Combination or permutation lock. A. Valente. 1,486,846; Mar. 11.
Combing machine. J. W. Nasmith. 1,486,536–7; Mar. 11.
Compressor unit, Portable. L. B. Elliot and J. P. Kilroy. 1,486,133; Mar. 11.
Concrete building walls, Mold for constructing. J. Taylor. 1,486,499; Mar. 11.
Concrete casing for piles. W. W. Brier. 1,486,414; Mar. 11.
Concrete conduits, Device for use in forming. D. N. and H. A. Trullinger. 1,486,204; Mar. 11.
Concrete forms, Combined brace and tie rod for. T. Kelly. 1,486,147; Mar. 11.
Concrete-slab building. N. J. Mascio. 1,486,152; Mar. 11.
Confection container. F. E. Mayol. 1,486,445; Mar. 11.
Confections, Dispensing apparatus for. C. B. Bemis. 1,486,562; Mar. 11.
Confectionery and other edible materials, Machine for coating. J. E. S. Plumridge and H. Easton. 1,486,683; Mar. 11.
Connection mechanism. R. L. Wilcox. 1,486,711; Mar. 11.
Containers, Cap for collapsible metal. J. E. Anderson. 1,486,216; Mar. 11.
Containers, Combination perforator, Closure and pouring attachment for. I. T. Skiles. 1,486,199; Mar. 11.
Containers, Making. H. W. Jones. 1,486,586; Mar. 11.
Control. L. C. Milburn. 1,486,493; Mar. 11.
Conveyer. D. G. Morrison. 1,486,839; Mar. 11.
Conveyer, Swinging. A. J. Hartley. 1,486,519; Mar. 11.
Conveyer system. C. W. Brown. 1,486,320; Mar. 11.
Conveying apparatus. E. E. Landahl. 1,486,590; Mar. 11.
Core. J. A. Byers. 1,486,631; Mar. 11.
Counter, Dispensing-scoop. F. A. Hagel. 1,486,135; Mar. 11.
Coupling: *See*—
Fluid coupling. Hose coupling.
Coupling. H. J. Atticks and H. A. Coussirat. 1,486,316; Mar. 11.
Crank, Manually-operable. A. A. Dieter. 1,486,366; Mar. 11.
Crank shafts and dies therefor, Forging six-throw. H. H. Keeports. 1,486,588; Mar. 11.
Crank shafts, Means for and method of drop-forging. H. H. Keeports. 1,488,587; Mar. 11.
Crate, Knockdown. E. T. Bond. 1,486,478; Mar. 11.
Cream, Process and machine for whipping. C. H. Hapgood. 1,486,334; Mar. 11.
Cream, Process and machine for whipping. C. H. Hapgood. 1,486,577; Mar. 11.
Cultivator. P. N. Schrum. 1,486,548; Mar. 11.
Cup: *See*—
Teat cup.
Current controller, Reverse. W. C. Nein. 1,486,675; Mar. 11.
Curtain, Stage. H. Harzberg. 1,486,335; Mar. 11.
Cushion wheel. G. M. Peters. 1,486,679; Mar. 11.
Cuspidor for vehicles. C. O. Deis. 1,486,283; Mar. 11.
Cuspidor, Wall. J. Vraylas. Des. 64,219; Mar. 11.
Cutter: *See*—
Dough cutter.
Cyanide, Recovering. A. L. Halvorsen. 1,486,137; Mar. 11.
Cylinder-head lifter. V. L. Gibson. 1,486,425; Mar. 11.
Decoy. G. D. George. 1,486,329; Mar. 11.
Diesinking machine. F. O. Beckner. 1,486,121; Mar. 11.
Digger: *See*—
Posthole digger.
Dispensing container. M. J. Steele. 1,486,200; Mar. 11.
Display and storage tray, Combination sanitary. C. G. Cather. 1,486,416; Mar. 11.
Display device, Folding. J. B. Singer and A. B. Levy. 1,486,695; Mar. 11.
Display rack. R. Q. Herring and A. M. Gray. 1,486,139; Mar. 11.
Dock, Floating. M. Müller. 1,486,257–8; Mar. 11.
Doll. M. R. Smith. Des. 64,212; Mar. 11.
Doll, Flower. K. W. Wade. Des. 64,220–1; Mar. 11.
Door fastener. C. A. Marcum. 1,486,595; Mar. 11.
Door, Garage. P. W. Hagan. 1,486,742; Mar. 11.
Doorknob, Self-adjusting. A. Anderson. 1,486,824; Mar. 11.
Door locking, releasing, and operating means. H. R. Teutsui. 1,486,271; Mar. 11.
Door opening and closing means. E. H. Johnson. 1,486,382; Mar. 11.
Door-operating device. T. Brady. 1,486,278; Mar. 11.
Dough cutter. W. W. Stauffer. 1,486,810; Mar. 11.
Dough punching and folding machine. W. Roecker. 1,486,686; Mar. 11.
Drilling equipments, Wrench support for. G. W. Seybert. 1,486,198; Mar. 11.
Drills, Mounting for rock. L. C. Bayles. 1,486,120; Mar. 11.
Drugs, Rendering durable extracts of. B. Tambach. 1,486,468; Mar. 11.
Dump. M. M. Egan. 1,486,734; Mar. 11.
Dyeing cloth with fast colors. G. J. and G. B. Mess. 1,486,353; Mar. 11.
Educational device. P. Schellga. 1,486,690; Mar. 11.
Egg carrier. J. D. Ripson. 1,486,454; Mar. 11.

Electric accumulator. K. Hansen. 1,486,430; Mar. 11.
Electric battery. E. A. G. Street. 1,486,613; Mar. 11.
Electric connecter. E. Schwartz. 1,486,691; Mar. 11.
Electric connection. M. C. King. 1,486,250; Mar. 11.
Electric controller. N. B. Laing. 1,486,386; Mar. 11.
Electric fitting. J. T. Trotter. 1,486,815; Mar. 11.
Electric-light wall bracket. M. Grimn. Des. 64,176; Mar. 11.
Electric illuminating device. W. H. Cook. 1,486,731; Mar. 11.
Electric switch. F. H. Hartzell. 1,486,744; Mar. 11.
Electric wires, Grounding clamp for. R. A. Becker. 1,486,560; Mar. 11.
Electrolytic separation. B. E. F. Rhodin. 1,486,546; Mar. 11.
Electrons in electric discharge devices, Means for controlling the flow of. E. Berry. 1,486,221; Mar. 11.
Elevator. *See*—
Well-pipe elevator.
Engine: *See*—
Explosion engine. Jordan engine.
Gas engine. Rotary engine.
Internal-combustion engine.
Engines, Auxiliary air inlet for internal-combustion. W. E. Adams. 1,486,219; Mar. 11.
Engines, Method and means for vaporizing fuel in internal-combustion. G. L. Ertz. 1,486,833; Mar. 11.
Envelope, Mailing. P. F. Milnariat. 1,486,154; Mar. 11.
Evaporator. C. D. Lebermuth. 1,486,387; Mar. 11.
Exercising apparatus. J. J. Cooper. 1,486,732; Mar. 11.
Explosion engine. H. Wartenberg. 1,486,817; Mar. 11.
Extension rack. L. P. Jarrell. 1,486,144; Mar. 11.
Eyeglass case. N. M. Baker. 1,486,119; Mar. 11.
Fabrics, Machine for slitting piles of. D. B. Ashman. 1,486,825; Mar. 11.
Fan, Engine-cooling. J. L. Boley and B. E. Felts. 1,486,123; Mar. 11.
Finger ring. E. W. MacAllister. Des. 64,192; Mar. 11.
Fire alarm, Automatic. W. J. Luse. Re15,793; Mar. 11.
Fire extinguisher. J. Cash. 1,486,321; Mar. 11.
Fire extinguisher. G. P. McDonnell. 1,486,531; Mar. 11.
Fire extinguisher, Pump. C. Nuhring. 1,486,600; Mar. 11.
Fire-extinguishing apparatus, Manually and automatically operated. J. Cash and L. F. Richards. 1,486,363; Mar. 11.
Fish trap, Collapsible. T. J. Pedersen. 1,486,390; Mar. 11.
Fishing fly. E. R. Hewitt. 1,486,581; Mar. 11.
Flash-light gun. E. L. Johnson. 1,486,759; Mar. 11.
Flasks, Aligning device for. W. T. Rabun. 1,486,300; Mar. 11.
Flatiron, Electric. A. E. Waggoner. 1,486,314; Mar. 11.
Fluid coupling. C. Hamilton. 1,486,662; Mar. 11.
Flytrap. C. G. Seefuth and J. Bebiolka. 1,486,307; Mar. 11.
Food dispenser. R. O. Fraser. 1,486,328; Mar. 11.
Forging process. J. C. Cummings. 1,486,365; Mar. 11.
Frame: *See*—
Heddle frame.
Fuel and making same, Artificial. J. R. Hinman. 1,486,488; Mar. 11.
Fuel-feed, reserve system, Vacuum. A. C. Wood. 1,486,715; Mar. 11.
Furnace: *See*—
Heating furnace. Hot-air furnace.
Furnace. L. Shackelford. 1,486,462; Mar. 11.
Furnace door. C. H. Thorndell. 1,486,699; Mar. 11.
Furnace-feeding mechanism. I. A. Taylor. 1,486,311; Mar. 11.
Furnacing operations, Method of and apparatus for conducting. L. B. Skinner. 1,486,358; Mar. 11.
Furniture legs, Attachment for. J. Salomon. 1,486,267; Mar. 11.
Fuse. G. R. Trumbull. 1,486,170; Mar. 11.
Fuse, Supersensitive. J. H. Woodberry. 1,486,177; Mar. 11.
Fuse, Time. O. D. Lucas. 1,486,593; Mar. 11.
Gaiter or similar article. F. H. Tinson. Des. 64,218; Mar. 11.
Garment and cutting same. D. W. Mell. 1,486,673; Mar. 11.
Garter clasp member. G. B. Glidden. Des. 64,172; Mar. 11.
Gas burner. H. Kielberg. 1,486,668; Mar. 11.
Gas engine, Rotary. H. L. F. Trebert. 1,486,502; Mar. 11.
Gas, Generating. J. H. Reid. 1,486,799; Mar. 11.
Gas generator, Acetylene. E. E. Sprinkle. 1,486,270; Mar. 11.
Gas heater. G. F. Schmidt. 1,486,197; Mar. 11.
Gaslighter. W. V. Robinson. 1,486,160; Mar. 11.
Gas-line cut-off. C. Borgen. 1,486,277; Mar. 11.
Gases from a mixture thereof, Separating. G. L. Hertz. 1,486,521; Mar. 11.
Gasoline, Apparatus for cleaning. J. A. Sparks. 1,486,466; Mar. 11.
Gasoline register. H. G. Lee. 1,486,770; Mar. 11.
Gate: *See*—
Traffic gate.
Gate box. A. L. Warner. 1,486,707; Mar. 11.
Gauge: *See*—
Pressure gauge.
Gauges and other articles, Making. W. E. Hoke. 1,486,342; Mar. 11.
Gauges and other articles, Method of and machine for making. W. E. Hoke. 1,486,337; Mar. 11.
Gauges and other articles, Method of and machine for making. W. E. Hoke. 1,486,341; Mar. 11.
Gauges and other articles, Method of and machine for making. W. E. Hoke. 1,486,343; Mar. 11.
Gear-cutting machine. R. J. McLeod. 1,486,670; Mar. 11.
Gear for trailers, Running. J. A. Moxey. 1,486,788; Mar. 11.
Gear, Variable-speed. T. and E. L. Vicars. 1,486,704; Mar. 11.
Gearing. A. F. Ericson. 1,486,423; Mar. 11.
Gearing, Variable-speed. W. T. Carling. 1,486,565; Mar. 11.
Gears, Making. W. E. Hoke. 1,486,340; Mar. 11.
Gears, Method and apparatus for making. W. E. Hoke. 1,486,339; Mar. 11.
Generator: *See*—
Gas generator.
Generators, Stabilizing oscillation. K. W. Wagner. 1,486,505–6; Mar. 11.
Glass bottle. W. D. Edwards. Des. 64,169; Mar. 11.
Glass graduate. W. P. Parsons. Des. 64,204; Mar. 11.
Golf club. E. C. Allen. 1,486,823; Mar. 11.
Golf-club carrier. H. Gourley. 1,486,655; Mar. 11.
Golf-club shaft. W. R. Forsyth. 1,486,572; Mar. 11.
Golf clubs and making the same, Shaft for. W. R. Forsyth. 1,486,573; Mar. 11.
Governor. A. J. Hartley. 1,486,518; Mar. 11.
Grading machine. C. H. Jones. 1,486,436; Mar. 11.
Grinding machine, Rod. J. A. Hunt. 1,486,435; Mar. 11.
Grinding machines, Feed mechanism for automatic. J. W. Heald. 1,486,580; Mar. 11.
Grocery and vegetable counter. E. R. and L. B. Kiper. 1,486,349; Mar. 11.
Gun, Air. L. F. J. Zerbee. 1,486,215; Mar. 11.
Gun, Sling. W. J. Watkins. 1,486,403; Mar. 11.
Gyroscopic and other rotors. C. L. Norden. 1,486,261; Mar. 11.
Hair curler. A. Krakowiecka. 1,486,768; Mar. 11.
Hair-trimming device. G. D. Clardy. 1,486,418; Mar. 11.
Hair-waving device. J. Morenilla. 1,486,786; Mar. 11.
Handing-in mechanism. F. Maue. 1,486,596; Mar. 11.
Handle: *See*—
Switch handle. Tool handle.
Hat lining and bandeau, Combined. J. A. McKnight. 1,486,776; Mar. 11.
Headlight. T. H. Talley. 1,486,616; Mar. 11.
Headlight, Vehicle. D. C. Dozier. 1,486,643; Mar. 11.
Heater: *See*—
Automobile radiator heater. Hot-water heater.
Gas heater.
Heaters, Burner and radiant support for gas. W. W. Holloway and H. Kielberg. 1,486,666; Mar. 11.
Heaters, Burner for radiant gas. W. W. Holloway and H. Kielberg. 1,486,665; Mar. 11.
Heating furnace, Continuous. W. H. Fitch. 1,486,360; Mar. 11.
Heddle frame. J. Kaufmann. 1,486,189; Mar. 11.
Hedge trimmer or the like. J. J. Hickey. 1,486,140; Mar. 11.
Heel-lift cementing and assembling machine. E. L. Page. 1,486,542; Mar. 11.
Hemp scutcher. L. Holland-Letz. 1,486,750; Mar. 11.
Hinge, Door. N. H. Forbes. 1,486,371; Mar. 11.
Hoeing machine. R. Wadenbach. 1,486,504; Mar. 11.
Hook: *See*—
Tire-chain hook.
Hose coupling. G. H. Dyer. 1,486,421; Mar. 11.
Hose coupling. R. J. Williams. 1,486,712; Mar. 11.
Hose coupling, Automatic. T. T. Burchell. 1,486,279; Mar. 11.
Hot-air furnace. J. A. Hagstrom. 1,486,429; Mar. 11.
Hot-water heater. G. Cowles. 1,486,482; Mar. 11.
Humidity of workrooms, Controlling. M. E. Dunlap. 1,486,367; Mar. 11.
Hydrocarbon burner. J. Needham. 1,486,156; Mar. 11.
Identical articles, Making. W. E. Hoke. 1,486,338; Mar. 11.
Indicator: *See*—
Vehicle speed indicator.
Indicator. R. E. Hull. 1,486,136; Mar. 11.
Induction coil. W. A. Evans. 1,486,648; Mar. 11.
Ink bottle and ink pot. G. Sweetser. 1,486,812; Mar. 11.
Inking machine, Ribbon. F. G. Meyer. 1,486,674; Mar. 11.
Intake-manifold attachment. F. A. Johnson and J. Ahlgren. 1,486,760; Mar. 11.
Interlock, General safety. D. C. Klausmeyer. 1,486,767; Mar. 11.
Internal-combustion engine. L. T. Godfrey-Evans. 1,486,427; Mar. 11.
Internal-combustion engine. W. M. Huskisson. 1,486,583; Mar. 11.
Internal-combustion engine. A. L. Powell. 1,486,298; Mar. 11.
Internal-combustion engine. R. S. Wittmeier. 1,486,714; Mar. 11.
Internal-combustion engine, Rotary. G. W. Tice. 1,486,501; Mar. 11.
Interrupter mechanism. H. H. Clark. 1,486,229; Mar. 11.

Iron: *See*—
Puff iron.
Ironing-board-supporting means. F. Graf. 1,486,575; Mar. 11.
Jack: *See*—
Automobile jack. Pneumatic jack.
Lifting jack.
Jack. M. F. Bernson. 1,486,723; Mar. 11.
Jack. G. A. Piper. 1,486,797; Mar. 11.
Jar. E. M. Stevens. Des. 64,215; Mar. 11.
Jar rings, Machine for rethreading fruit-. T. J. Foster. 1,486,736; Mar. 11.
Jewelry case. S. Buchsbaum. 1,486,629; Mar. 11.
Joint: *See*—
Pipe joint. Rail joint.
Jordan engine. W. E. Pettingill. 1,486,681; Mar. 11.
Kiln. I. Bivins. 1,486,359; Mar. 11.
Kiln, Drying. E. A. Hallam. 1,486,743; Mar. 11.
Kite. M. Eckmann. 1,486,368; Mar. 11.
Knee pad. T. H. Snook. 1,486,308; Mar. 11.
Knickers. P. Leikes. Re15,791; Mar. 11.
Knife. W. R. Brown. 1,486,725; Mar. 11.
Knife edge for end matchers, Stationary. W. S. Sherman. 1,486,550; Mar. 11.
Knit cap and making same. W. E. White. 1,486,171; Mar. 11.
Lace. S. H. Page. Des. 64,200–3; Mar. 11.
Lace. H. A. Philips. Des. 64,205; Mar. 11.
Lace. G. Radford. Des. 64,206; Mar. 11.
Lace, Machine-made. E. Bösebeck and E. Türck. 1,486,816; Mar. 11.
Lace-tipping machine. C. A. Matson. 1,486,838; Mar. 11.
Ladder. W. P. Green. 1,486,289; Mar. 11.
Ladle stopper rod. J. E. Sheaffer. 1,486,694; Mar. 11.
Lamp. U. S. and J. C. Page. Des. 64,199; Mar. 11.
Lamp, Acetylene. S. G. Thomasson. 1,486,500; Mar. 11.
Lamp casing. A. A. Sandbrook. 1,486,357; Mar. 11.
Lamp globe, Incandescent-electric-. L. Haselton. 1,486,745; Mar. 11.
Lamp shade. J. E. Sampson. Des. 64,210; Mar. 11.
Lamp shade and means for mounting the same. A. Bostroem. 1,486,319; Mar. 11.
Lamp socket, Incandescent. I. R. Seltzer. 1,486,693; Mar. 11.
Lamp standard. F. Yokel. Des. 64,226; Mar. 11.
Lamp support, Electric-. L. H. Debs. 1,486,568; Mar. 11.
Lamps, Cupstand for. J. J. Jaske. 1,486,750; Mar. 11.
Lamps for fuses, Socket for electric. R. Eberhardt. 1,486,645; Mar. 11.
Lantern, Electric. H. B. Patche. 1,486,840; Mar. 11.
Lapping machine. W. E. Hoke. 1,486,345; Mar. 11.
Last, Divided. G. F. Belcher. 1,486,511; Mar. 11.
Last, Divided. O. A. Peterson. 1,486,605; Mar. 11.
Last, Shoe. C. K. MacDonald. 1,486,192; Mar. 11.
Latch. F. M. Swanson. 1,486,552; Mar. 11.
Lawn mower. A. E. Jerram. 1,486,758; Mar. 11.
Ledger, Loose-leaf. J. Schade. 1,486,392; Mar. 11.
Leer or furnace, Annealing. R. D. Pike. 1,486,265; Mar. 11.
Lens. W. Bausch and M. Poser. 1,486,720; Mar. 11.
Lever. H. A. Bennett. 1,486,721; Mar. 11.
License-tag fastener. A. B. Aldrich. 1,486,719; Mar. 11.
Lid fastener. W. E. Reeder. 1,486,545; Mar. 11.
Lifter: *See*—
Cylinder-head lifter. Valve lifter.
Lifting jack. T. J. Bird. 1,486,179; Mar. 11.
Light fixture, Safety-island. F. Brueggeman. 1,486,223; Mar. 11.
Lighting-fixture arm. T. E. Dahl. Des. 64,168; Mar. 11.
Lighting-fixture bracket. F. S. Crowell. Des. 64,164–5; Mar. 11.
Lighting-fixture globe holder. F. Yokel. Des. 64,227; Mar. 11.
Lighting-fixture hanger. F. Yokel. Des. 64,224–5; Mar. 11.
Lighting-fixture loop. G. E. McFadden. Des. 64,195; Mar. 11.
Lighting-fixture plate. F. S. Crowell. Des. 64,166–7; Mar. 11.
Lighting fixture, Wall. H. J. D. Monteith. Des. 64,197; Mar. 11.
Lighting fixtures, Cast arm for. G. E. McFadden. Des. 64,194; Mar. 11.
Lighting fixtures, Ceiling light for. F. S. Crowell. Des. 64,160–1; Mar. 11.
Lingerie clasp. J. T. Milligan. 1,486,153; Mar. 11.
Liquid-fuel burner. G. D. Reinhardt. 1,486,685; Mar. 11.
Lock: *See*—
Car-door lock. Nut lock.
Lock. W. E. Nie. 1,486,260; Mar. 11.
Lock for odometers. D. Hill. 1,486,749; Mar. 11.
Lock housing. O. A. Norlund. 1,486,448; Mar. 11.
Lock washer. R. T. Hasking. 1,486,347; Mar. 11.
Locomotive. J. P. Harney. 1,486,578; Mar. 11.
Locomotive whistle. J. Kruttschnitt. 1,486,252; Mar. 11.
Loom. J. A. Adams. 1,486,272; Mar. 11.
Loom, Pile-fabric. J. F. Benoit. 1,486,220; Mar. 11.
Loss-preventing device. M. Windecker. 1,486,472; Mar. 11.
Lubricant for vehicle springs, Composition of matter for use as a. P. H. Bergen. 1,486,563; Mar. 11.
Manifold. F. E. Aseltine. 1,486,409; Mar. 11.
Marble, silica or the like for making colored art marble, terrazzo, or the like, Coloring white, transparent, crushed. J. Weber. 1,486,208; Mar. 11.
Marker, Land. T. P. Long. 1,486,530; Mar. 11.
Mask, Nasal. A. Littauer. 1,486,290; Mar. 11.
Match, cigar, and ash holder. A. P. Ladd. 1,486,148; Mar. 11.
Match striker. E. M. H. L. Tufts. 1,486,205; Mar. 11.
Measurement of plane surfaces, Apparatus for the. H. Thun. 1,486,203; Mar. 11.
Measuring instrument, Electrical. L. E. France. 1,486,238; Mar. 11.
Meats, Utilizing hog bladders as casings for chopped or ground. E. F. Bloss. 1,486,476; Mar. 11.
Medallion. E. S. Glavis. Des. 64,171; Mar. 11.
Metal chair. J. Salomon. 1,486,268; Mar. 11.
Metal fitting. W. J. Atkinson. 1,486,826; Mar. 11.
Metallic body, Composite refractory. G. F. Yessler. 1,486,214; Mar. 11.
Metals, Hot-gas process for the reduction and smelting of. E. Fleischer. 1,486,370; Mar. 11.
Meters, Automatic primer for flow. R. W. Schroeder. 1,486,269; Mar. 11.
Meter box. A. Casper. 1,486,415; Mar. 11.
Milk-can cover. J. Heusser. 1,486,336; Mar. 11.
Milking machine. R. Maes. 1,486,671; Mar. 11.
Milling cutters with constant profile, Machine for the manufacture of. H. L. Bertin. 1,486,411; Mar. 11.
Mining system and apparatus. E. C. Morgan. 1,486,293; Mar. 11.
Mirrors and the like, Carrier for. N. D. Munn. 1,486,534; Mar. 11.
Mixing device. J. K. Norvell. 1,486,539; Mar. 11.
Mop wringer. J. M. Elfe. 1,486,285; Mar. 11.
Mop wringer and pail, Combined. J. M. Elfe. 1,486,284; Mar. 11.
Motor: *See*—
Rotary motor.
Motor stand. F. L. Cole. 1,486,481; Mar. 11.
Musical instrument and lighting system therefor. B. H. Jefferson and R. H. Waud. 1,486,585; Mar. 11.
Necktie. I. D. and F. E. Wolfson. 1,486,822; Mar. 11.
Nonskid device. H. Samuels and R. Briggs. 1,486,805; Mar. 11.
Nut lock. W. P. Groves. 1,486,741; Mar. 11.
Oil burner, Rotary. J. C. Johnson. 1,486,383; Mar. 11.
Oil shale and apparatus therefor. Treatment of. G. C. Hackstaff. 1,486,243; Mar. 11.
Oil-well apparatus. F. B. Jackson. 1,486,523; Mar. 11.
Oiler, Spring. W. S. Sylvester. 1,486,202; Mar. 11.
Optical system. C. W. R. Campbell and F. G. A. Roberts. 1,486,362; Mar. 11.
Ore concentrators, Driving mechanism for. E. A. Barnes. 1,486,827; Mar. 11.
Ores, Concentrating mixed sulphide. R. A. Pallanch. 1,486,297; Mar. 11.
Ores, Treatment of. H. Merryweather. 1,486,256; Mar. 11.
Ornamenting device. R. C. Hynds. 1,486,753; Mar. 11.
Oven. G. R. Lawrence. 1,486,528; Mar. 11.
Oven wall structure, Coke. J. van Ackeren. 1,486,401; Mar. 11.
Oxidation of aromatic compounds by means of oxygen containing gases, Catalytic material for the. J. V. Meigs. 1,486,781; Mar. 11.
Oxidizing agents, such as nitric acid, nitrate solution, or others in the manufacture of sulphuric acid, Automatic regulation of the supply of. E. Jensen. 1,486,757; Mar. 11.
Packing gland, Two-piece. A. J. Wells. 1,486,708; Mar. 11.
Pad: *See*—
Knee pad.
Paper carton, Folding. E. W. Johnson. 1,486,145; Mar. 11.
Peat, Treating. H. H. Hindshaw. 1,486,141; Mar. 11.
Pen, Fountain. O. B. Hjorth. 1,486,246; Mar. 11.
Pencil holder. E. O. Hammerberg. 1,486,244; Mar. 11.
Pendant. W. F. Heeren. Des. 64,182; Mar. 11.
Pendant. A. L. White. Des. 64,222; Mar. 11.
Percolator, Coffee. H. Ewert. 1,486,649; Mar. 11.
Perfume container. G. Grunberg. Des. 64,177; Mar. 11.
Phonograph cabinet. J. Wolff. Des. 64,223; Mar. 11.
Phonograph cabinets, Labiate door for. W. T. Lakin. 1,486,254; Mar. 11.
Phonograph starting device, Time-controlled. E. Provenzano. 1,486,195; Mar. 11.
Photograph folder and easel, Combined. J. J. Froelich. 1,486,652; Mar. 11.
Photographic film with colored laminated base. J. H. Haste and E. J. Ward. 1,486,245; Mar. 11.
Photographic-paper holder. C. H. Ruffner. 1,486,196; Mar. 11.
Pianos, Key-slip and fall-board construction for player. A. G. Gulbransen. 1,486,186; Mar. 11.
Picture apparatus, Motion-. J. G. Capstaff and N. B. Green. 1,486,226; Mar. 11.
Pinwheel. F. C. Monkhouse. Des. 64,198; Mar. 11.
Pipe joint. J. Schuette. 1,486,549; Mar. 11.
Pipe, Means for casting. J. R. McWane. 1,486,778; Mar. 11.
Pipe sections, Machine for uniting. J. E. Crockett. 1,486,125; Mar. 11.

Pipes and making same, Precalked joint for cast-iron. J. R. McWane. 1,486,777; Mar. 11.
Pistol with fixed barrel, Self-loading. H. Schmeisser. 1,486,497; Mar. 11.
Piston for dashpots. L. Jaenichen. 1,486,381; Mar. 11.
Piston-groove cleaner. A. Shepard. 1,486,806; Mar. 11.
Piston heads, Appliance for cutting and drilling. J. J. McGuckin. 1,486,193; Mar. 11.
Pistons, Universal joint for. J. B. Humpert. 1,486,752; Mar. 11.
Pit tub. R. W. Cuthbertson. 1,486,515; Mar. 11.
Plant-setting machine. B. W. Boon. 1,486,512; Mar. 11.
Plant stalks, Means for scutching and breaking fibrous. F. A. Pozár. 1,486,684; Mar. 11.
Plaster board, Heat-insulating. T. B. Munroe. 1,486,535; Mar. 11.
Plate or similar article. E. J. Ridgway. Des. 64,207–8; Mar. 11.
Platforms, Safety device for. J. Rabb, jr. 1,486,453; Mar. 11.
Plow attachment, Sulky-. B. Porath and J. W. McMillan. 1,486,543; Mar. 11.
Plow carrier. E. T. Underwood. 1,486,469; Mar. 11.
Plow, Tractor. A. S. Krotz. 1,486,385; Mar. 11.
Plug, Separable attachment. N. W. Nutt. 1,486,790–1; Mar. 11.
Pneumatic jack. W. A. Gibson. 1,486,241; Mar. 11.
Pocketknife and fountain-pen holder, Combination. R. W. Morris. 1,486,294; Mar. 11.
Portraits in relief from stereoscopic photographs, Mechanically reproducing. E. E. Townsend. 1,486,814; Mar. 11.
Posthole digger. D. S. Hunter. 1,486,247; Mar. 11.
Pouch making. C. H. Dasher. 1,486,641; Mar. 11.
Power-driven rolls or cutters, Safety release for. W. H. Sumbling. 1,486,310; Mar. 11.
Power-transmission device. J. Impellizieri. 1,486,754; Mar. 11.
Power-transmission mechanism. W. H. Peter. 1,486,680; Mar. 11.
Premium collections and the like, Device for keeping account of industrial life-insurance. H. Hirsch. 1,486,378; Mar. 11.
Press: *See*—
Barrel-heading press.
Press casting and means therefor. C. J. Hult. 1,486,751; Mar. 11.
Press ejecting apparatus. F. S. Carver. 1,486,633; Mar. 11.
Press, Power. J. Heisel. 1,486,746; Mar. 11.
Pressing device. B. D. Goldberg. 1,486,654; Mar. 11.
Pressing device, Trousers-. F. Hogan. 1,486,433; Mar. 11.
Pressure regulating and governing apparatus, Combined. J. P. Metzger. 1,486,782; Mar. 11.
Primary battery. H. Wilhelm. 1,486,172; Mar. 11.
Printer's quoin. O. A. Enstrom and A. E. Dahlin. 1,486,422; Mar. 11.
Printing and computing machine, Variable-value fare-check. G. A. Julius. 1,486,438; Mar. 11.
Printing plate. W. S. Eaton. 1,486,324; Mar. 11.
Printing-plate-securing means. L. W. Claybourn. 1,486,323; Mar. 11.
Pruning implement. B. F. Nightlinger. 1,486,538; Mar. 11.
Puff iron. C. W. Stricker. 1,486,168; Mar. 11.
Pulp grinder. G. J. Manson. 1,486,352; Mar. 11.
Pulsator. F. S. Frost. 1,486,184; Mar. 11.
Pump. J. C. Dickens. 1,486,180; Mar. 11.
Pump. H. F. Smith. 1,486,498; Mar. 11.
Pump, Dispensing. H. W. Barnes. 1,486,828; Mar. 11.
Pump power head, Double-acting-. C. L. Kessler. 1,486,589; Mar. 11.
Pump pressure control, Rotary-. E. Hill. 1,486,836; Mar. 11.
Pump, Rotary. E. Hill. 1,486,835; Mar. 11.
Pump, Rotary. E. Hill. 1,486,837; Mar. 11.
Pump, Rotary. H. C. Phillips. 1,486,682; Mar. 11.
Pump, Sirup. R. M. Green, jr. 1,486,656; Mar. 11.
Pumps, Lubricating system for deep-well. V. Schleyer. 1,486,842; Mar. 11.
Pumps, Visible tank for gasoline. A. E. Davenport. 1,486,127; Mar. 11.
Punching machine, Self-feeding gang. F. Bélisle. 1,486,561; Mar. 11.
Rack: *See*—
Display rack. Extension rack.
Racket or the like, Tennis. R. M. Glenn. 1,486,330; Mar. 11.
Radiator. L. Faber and P. Schneider. 1,486,326; Mar. 11.
Radiator. M. Witte. 1,486,556; Mar. 11.
Radiator cap. J. A. Horvitz. Des. 64,184; Mar. 11.
Radiator nipples, Manufacturing of. W. Böttiger. 1,486,479; Mar. 11.
Radio cabinet. A. Schopf. Des. 64,211; Mar. 11.
Rail, Extension. H. P. Tompkins. 1,486,700; Mar. 11.
Rail joint. M. A. Crosby. 1,486,282; Mar. 11.
Rail-sander spout. F. Smelik. 1,486,163; Mar. 11.
Railway brake beam. S. A. Crone. 1,486,640; Mar. 11.
Railway car. H. W. Lanford. 1,486,547; Mar. 11.
Railway crossings, Automatic signal for. B. B. Cunningham. 1,486,514; Mar. 11.
Railway rolling stock, Truck for. R. F. Hall. 1,486,661; Mar. 11.
Railway trains, Control of. A. R. Angus. 1,486,558; Mar. 11.
Range. W. A. Busick. 1,486,564; Mar. 11.
Ranges, Revolving grate and frame for steel. J. A. Bastien. 1,486,829; Mar. 11.
Razor and blade holder, Safety. G. Mazzoni. 1,486,672; Mar. 11.
Razor blades, Manufacturing safety-. J. F. Barry. 1,486,317; Mar. 11.
Reamers and the like, Sharpening machine for. T. C. Donahue. 1,486,516; Mar. 11.
Receptacle. M. C. Du Bose. 1,486,130; Mar. 11.
Receptacle and closure therefor. W. H. Gesell. 1,486,374; Mar. 11.
Recording and signaling mechanism. G. M. Hafer. 1,486,576; Mar. 11.
Refrigerating apparatus. C. G. Smith. 1,486,551; Mar. 11.
Refrigerating machine. E. Freundlich. 1,486,651; Mar. 11.
Register: *See*—
Gasoline register.
Resilient wheel. H. C. Lord. 1,486,442; Mar. 11.
Rim. H. Owen. 1,486,795; Mar. 11.
Ring. H. G. Kaufman. Des. 64,186–90; Mar. 11.
Ring. J. A. Sworbell. Des. 64,216; Mar. 11.
Robe. R. R. Smith. 1,486,393; Mar. 11.
Rod: *See*—
Ladle stopper rod. Safety rod.
Roll, Sheet-metal-bending. C. F. Lanouette. 1,486,150; Mar. 11.
Roofing slabs, Making. C. Hoskins. 1,486,346; Mar. 11.
Rope clamp. F. E. Walker. 1,486,507; Mar. 11.
Rope, Water-resistant. F. Riesenberg. 1,486,800; Mar. 11.
Rotary engine. E. C. Groves. 1,486,428; Mar. 11.
Rotary motor. R. E. Peniston. 1,486,796; Mar. 11.
Rubbers, Packing. E. V. Crowell. 1,486,420; Mar. 11.
Ruler, Parallel and sectional. R. W. Robinson. 1,486,455; Mar. 11.
Safe. C. F. Wolters. 1,486,176; Mar. 11.
Safety rod. T. F. Harrold. 1,486,579; Mar. 11.
Salt and pepper shaker. L. M. Ortiz and S. E. Gilmore. 1,486,262; Mar. 11.
Sandal. U. L. Staples. Des. 64,213; Mar. 11.
Sausages, Machine for binding. E. Schelling. 1,486,460; Mar. 11.
Saw, Portable. C. E. Smith. 1,486,808; Mar. 11.
Saw-tooth shaper. L. Olson. 1,486,157; Mar. 11.
Scaffold horse. W. Smithers. 1,486,395; Mar. 11.
Scale, On-and-off weighing. E. R. Diemer and L. A. Osgood. 1,486,128; Mar. 11.
Scale, Sliding-weight. G. Ollert. 1,486,494; Mar. 11.
Scissors and shears. A. W. Smith. 1,486,165; Mar. 11.
Score-calculating device. E. Van Antwerp. 1,486,313; Mar. 11.
Screen and producing same, Multicolor. J. H. Christensen. 1,486,635; Mar. 11.
Screw-threading machines, Workholder for. L. Spitzfaden. 1,486,467; Mar. 11.
Scrip-cutting means. A. R. Gillham. 1,486,426; Mar. 11.
Seal. E. J. Passanisi. 1,486,264; Mar. 11.
Seal, Shaft-bearing. A. G. Ross. 1,486,161; Mar. 11.
Sealer, Electric wax. S. M. Weisberger. 1,486,404; Mar. 11.
Seeder, Broadcast. E. Hassell. 1,486,376; Mar. 11.
Seedlings, Device for the planting and transplanting of. J. N. Harvey. 1,486,431; Mar. 11.
Sewing-machine tread controller. E. M. Simmons. 1,486,610; Mar. 11.
Shade and curtain fixture. M. Borges. 1,486,413; Mar. 11.
Shade fitting. A. D. Brixey. 1,486,830; Mar. 11.
Shade, Window. E. T. Peters. 1,486,678; Mar. 11.
Sharpener, Saw. W. H. Kramer. 1,486,440; Mar. 11.
Sharpening device. B. and D. Fine. 1,486,570; Mar. 11.
Sheave, Adjustable. N. R. Kinder. 1,486,348; Mar. 11.
Sheeting machine. H. J. Schultz. 1,486,306; Mar. 11.
Shelf, Adjustable. R. B. Chapman. 1,486,364; Mar. 11.
Shells, Manufacture of cartridge. M. Newcomer. 1,486,194; Mar. 11.
Shingle, Roof-valley. F. Basel. 1,486,559; Mar. 11.
Ship-cable rat guard. S. Cheely. 1,486,417; Mar. 11.
Shoe. H. Smolen. Des. 64,228–9; Mar. 11.
Shoe, Bathhouse. G. T. Burnett. 1,486,630; Mar. 11.
Shoe bottoms, Machine for operating on. E. Erickson. 1,486,325; Mar. 11.
Shoe-polishing stand, Foldable. J. H. Bain. 1,486,118; Mar. 11.
Shoe-shank former. J. E. Rousseau. 1,486,801; Mar. 11.
Shoe-shining stand. C. J. Geiser. 1,486,240; Mar. 11.
Shoes, Closure fastener for. A. C. Hanson. 1,486,138; Mar. 11.
Shoes, Metal shank for. H. G. Josephson. 1,486,437; Mar. 11.
Shovels, Saddle-block structure for power. M. L. Fykse. 1,486,834; Mar. 11.
Shrimp-catching device. J. H. Frissell. 1,486,485; Mar. 11.
Shutter for windows, Metallic ventilating. G. Diniaco. 1,486,569; Mar. 11.
Sickle head. C. B. Strang. 1,486,811; Mar. 11.
Signal: *See*—
Automobile signal. Speed-indicating signal.
Signal. J. Jeffery and H. Snyder. 1,486,248; Mar. 11.

Signals, Apparatus for producing and receiving. R. A. Fessenden. 1,486,735; Mar. 11.
Silk, Dyeing raw. E. L. Maupai. 1,486,292; Mar. 11.
Silvering apparatus. C. H. Ruder and G. M. D. Shadwick. 1,486,804; Mar. 11.
Skylight. B. P. Bissel. 1,486,276; Mar. 11.
Slicing machines, Driving mechanism for. R. Bachman. 1,486,274; Mar. 11.
Snap fastener. W. H. Wiley. 1,486,315; Mar. 11.
Snowplow. R. E. Haynes. 1,486,187; Mar. 11.
Soap-mixing device. W. R. McGrath. 1,486,775; Mar. 11.
Soda-water draft. E. M. Green, Jr. 1,486,657; Mar. 11.
Sound box. L. K. Scotford. 1,486,692; Mar. 11.
Sound-instrument horn. A. L. Foley. 1,486,650; Mar. 11.
Sound-reproducing machines, Repeating device for. C. W. Bloemker. 1,486,724; Mar. 11.
Spark plug. F. A. Rudolph. 1,486,459; Mar. 11.
Spark plug. J. S. Wuittler. 1,486,710; Mar. 11.
Spark-plug tool. J. Lopez. 1,486,190; Mar. 11.
Speed driving mechanism, Variable-. J. Ockfen. 1,486,389; Mar. 11.
Speed-indicating signal. M. Jackson. 1,486,379; Mar. 11.
Speedmeter or the like. C. T. Wallis. 1,486,207; Mar. 11.
Spinning device. W. Hentschel. 1,486,520; Mar. 11.
Spittoon cleaner. S. J. Betley. 1,486,626; Mar. 11.
Spoon or analogous article. F. W. Stark. Des. 64,214; Mar. 11.
Spoon or similar article. G. E. Ball. Des. 64,157; Mar. 11.
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Spring structure. O. G. Franks. 1,486,574; Mar. 11.
Stanchion. L. K. Wilson. 1,486,713; Mar. 11.
Stand: *See*—
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Stapling machine. J. B. Crofoot. 1,486,638–9; Mar. 11.
Starting and ignition system. A. E. Buchenberg. 1,486,628; Mar. 11.
Stay-bolt turning and threading machine. C. K. Lassiter. 1,486,591; Mar. 11.
Steam line control. E. Chadwick. 1,486,281; Mar. 11.
Steering columns, Permutation lock for. C. M. Allison. 1,486,273; Mar. 11.
Stencil. G. J. Evans. 1,486,286; Mar. 11.
Stock feeder. C. W. Cori. 1,486,733; Mar. 11.
Storage battery. R. J. Holden. 1,486,434; Mar. 11.
Storage battery. G. F. Townsend. 1,486,398; Mar. 11.
Store arrangement. B. H. Jefferson. 1,486,524; Mar. 11.
Stove and refrigerator, Combination. L. Dobay. 1,486,642; Mar. 11.
Street-indicating device. J. F. Halverson. 1,486,332; Mar. 11.
Strut or column. N. L. Malmgren. 1,486,444; Mar. 11.
Stuffing-box gland and packing therefor. L. Ullman. 1,486,312; Mar. 11.
Submarine signaling. R. L. Williams. 1,486,821; Mar. 11.
Submerged objects, Connecting. W. J. Hagman. 1,486,650; Mar. 11.
Supporting device. A. W. Malone. 1,486,594; Mar. 11.
Switch: *See*—
Electric switch.
Switch handle. G. B. Thomas. 1,486,698; Mar. 11.
Tabulating machines, Single brush automatic control for. C. D. Lake. 1,486,149; Mar. 11.
Tank and making. R. R. Reissig. 1,486,607; Mar. 11.
Taper articles, Method and apparatus for finishing. W. E. Hoke. 1,486,344; Mar. 11.
Tax records and tax bills, Method of and apparatus for producing. J. J. Lane. 1,486,526; Mar. 11.
Teakettle. B. R. Royse. 1,486,802; Mar. 11.
Teat cup. F. S. Frost. 1,486,182–3; Mar. 11.
Telephone-transmitter button. H. C. Egerton. 1,486,132; Mar. 11.
Textile fabric or similar article. E. I. Golding. Des. 64,173; Mar. 11.
Textile fabric or similar article of manufacture. E. I. Hanson and A. J. Heinke. Des. 64,178–81; Mar. 11.
Thermionic device. J. A. Fleming. 1,486,237; Mar. 11.
Thread-detecting and stop mechanism, Automatic. M. F. Field. 1,486,482; Mar. 11.
Thread tips, Forming. C. B. Gudebrod. 1,486,487; Mar. 11.
Thread-twisting machines, Attachment for. F. M. Rogers. 1,486,496; Mar. 11.
Ticket stamping and recording machine, Automatic. E. B. Rohmer and L. C. Mueller. 1,486,302; Mar. 11.
Tie plate. J. A. Walsh and J. F. Kennedy. 1,486,706; Mar. 11.
Tire carrier, Automobile. C. C. Steel and T. H. Lynn. 1,486,397; Mar. 11.
Tire carrier for automobiles and the like. W. R. Green. 1,486,658; Mar. 11.
Tire chain. C. W. Snodgrass. 1,486,696; Mar. 11.
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Tire, Cushion. M. C. Overman. 1,486,601–3; Mar. 11.
Tire-gauge holder. D. H. Cox. 1,486,230; Mar. 11.
Tire pressure gauge, Pneumatic-. M. J. McAneny. 1,486,532; Mar. 11.
Tire shoe, Antiskid. E. C. Wood. 1,486,716; Mar. 11.
Tire, Slip-over. E. A. Johnston. 1,486,761; Mar. 11.
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Tires, Air-pressure alarm device for pneumatic. L. F. Wesche. 1,486,209; Mar. 11.
Tires, Machine for trimming solid. H. L. Baker. 1,486,474; Mar. 11.
Toilet. J. F. Gelbel. 1,486,738; Mar. 11.
Tool handle. F. Zygmunt. 1,486,718; Mar. 11.
Tool stocks, Oil collector for. P. H. McDermott. 1,486,774; Mar. 11.
Toy aeroplane. F. Short. 1,486,463; Mar. 11.
Toy gun. J. Bellocchio. 1,486,625; Mar. 11.
Toy pistol. A. C. Jonassen. 1,486,146; Mar. 11.
Toy shooting device. J. Skala. 1,486,807; Mar. 11.
Track-belt unit. E. Gruber. Re15,790; Mar. 11.
Tractor wheel. W. G. Fisher. 1,486,236; Mar. 11.
Tractors, Mower attachment for. F. Chandler. 1,486,727; Mar. 11.
Tractors, Track belt for track-laying. C. F. Heinkel. 1,486,377; Mar 11.
Traffic gate, Folding. J. H. Faler. 1,486,181; Mar. 11.
Traffic light. L. W. McOmber. Des. 64,196; Mar. 11.
Train brake, Automatic. J. J. Levesque. 1,486,441; Mar. 11.
Trap: *See*—
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Trapdoor-operating mechanism. F. A. Kunkel. 1,486,253; Mar. 11.
Tray or similar article of manufacture. M. H. Connor. Des. 64,159; Mar. 11.
Trestle. C. M. Trautschold. 1,486,169; Mar. 11.
Triangle-calculating instrument. O. R. Turner. 1,486,400; Mar. 11.
Trick device for performances with animals. E. Schubert. 1,486,305; Mar. 11.
Tripod. F. A. Weeks. 1,486,508; Mar. 11.
Trough, Stock-watering. C. W. and C. W. Bruggeman. 1,486,224; Mar. 11.
Truck for handling rolls of paper. T. Johancen and E. Kehoe. 1,486,489; Mar. 11.
Truck, Rail. F. H. Marshall. 1,486,191; Mar. 11.
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Turret, Conning. W. Akemann. 1,486,114; Mar. 11.
Typewriter attachment. W. E. Wier. 1,486,819; Mar. 11.
Typewriting machine. G. A. Seib. 1,486,847; Mar. 11.
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Umbrella, Folding. A. Lopez. 1,486,772; Mar. 11.
Vacuum cleaner. E. R. Field. 1,486,287; Mar. 11.
Valve. G. Knight. 1,486,251; Mar. 11.
Valve. H. W. O'Dowd. 1,486,677; Mar. 11.
Valve. C. A. Ross. 1,486,303–4; Mar. 11.
Valve, Automatic. J. B. Anderson. 1,486,116; Mar. 11.
Valve, Automatic air. R. M. Teegardin. 1,486,617; Mar. 11.
Valve construction. W. G. Wilson. 1,486,175; Mar. 11.
Valve device. M. J. McAneny. 1,486,291; Mar. 11.
Valve lifter, Pump-. E. D. Orton. 1,486,793; Mar. 11.
Valve mechanism. E. F. Deacon. 1,486,567; Mar. 11.
Valve mechanism for player-piano actions. A. G. Gulbransen. 1,486,185; Mar. 11.
Valve, Pressure-reducing. E. C. Post. 1,486,452; Mar. 11.
Valve retarding mechanism, Safety-. P. G. Darling. 1,486,126; Mar. 11.
Valves and other tubes, Support for filaments in thermionic. B. Hodgson and S. R. Mullard. 1,486,432; Mar. 11.
Vanity case. W. G. Kendall. 1,486,764; Mar. 11.
Vanity cases, Refill for. W. G. Kendall. 1,486,765; Mar. 11.
Vegetable and fruit-roasting and cleaning machine. B. F. Malone. 1,486,351; Mar. 11.
Vegetable and fruit washer. E. Hanford. 1,486,383; Mar. 11.
Vehicle attachment, Motor-. P. Nagle. 1,486,356; Mar. 11.
Vehicle brake, Road-. J. W. Stewart. 1,486,611; Mar. 11.
Vehicle speed indicator. T. W. Carter. 1,486,227; Mar. 11.
Vehicle spring. C. M. Mullen. 1,486,295; Mar. 11.
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Vehicle wheel. B. R. Roblin. 1,486,456–7; Mar. 11.
Vehicles, Apparatus for automatic regulation of braking power on. A. and H. Scheuer. 1,486,461; Mar. 11.
Vehicles, Converter attachment for drive wheels of automotive. R. R. Miller. 1,486,597; Mar. 11.

Vehicles, Direction indicator for motor-driven. G. P. Bagnall. 1,486,410; Mar. 11.
Vehicles, Instrument drive for motor. F. G. Whittington. 1,486,510; Mar. 11.
Vehicles, Method of and means for indicating the proper period for gear changing in motor. C. G. Tolson. 1,486,319; Mar. 11.
Vehicles, Pump-supporting attachment for. V. G. Reed. 1,486,798; Mar. 11.
Vehicles, Steering controller and shock absorber for. P. Stokes. 1,486,612; Mar. 11.
Vehicles, Storage and handling of motor. A. N. Becker. 1,486,275; Mar. 11.
Vehicles, Traffic signal for motor. H. J. Fisher. 1,486,771; Mar. 11.
Ventilating system. E. Glantzberg. 1,486,739; Mar. 11.
Vessel, Divided-hull. C. D. Adams. 1,486,620; Mar. 11.
Vessels, Apparatus for salvaging sunken. S. A. Dutton. 1,486,131; Mar. 11.
Vest, Fishing. H. N. Nilssen. 1,486,676; Mar. 11.
Vibrator. P. W. Gates. 1,486,486; Mar. 11.
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Violet rays, Apparatus to sterilize liquids by means of ultra-. F. Allhaud. 1,486,473; Mar. 11.
Wall, Sectional. H. Ottosson-Elliot and M. Jönsson. 1,486,541; Mar. 11.
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Washer sorting and assembling device. L. S. Whitehead. 1,486,818; Mar. 11.
Washing machine. B. C. Curby. 1,486,233; Mar. 11.
Washing machine. W. L. Rodgers. 1,486,458; Mar. 11.
Water-supply system. G. Mumly. 1,486,533; Mar. 11.
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Well grapple, Oil-. J. Bajus. 1,486,624; Mar. 11.
Well-pipe elevator. C. E. Wilcox. 1,486,471; Mar. 11.
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Cushion wheel. Tractor wheel.
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Wheel construction, Tractor. P. H. White. 1,486,405; Mar. 11.
Wheel dresser, Abrasive-. H. K. Spencer. 1,486,844; Mar. 11.
Wheels and means therefor, Producing deeper tooth spaces in toothed. F. Ljungström. 1,486,771; Mar. 11.
Wheels, Tread-increasing means for traction. F. F. Cholitz. 1,486,322; Mar. 11.
Whiffletrees and the like, Hitching device for. E. N. Butterfield. 1,486,361; Mar. 11.
Window. S. Geroux. 1,486,653; Mar. 11.
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Windowpane fastener. P. Stefan. 1,486,167; Mar. 11.
Wire chopper, pie-crust mixer and flaker. C. B. Lambert. 1,486,255; Mar. 11.
Wireless baler, Automatic. B. T. Brown. 1,486,360; Mar. 11.
Wireless telegraphy, Means for transmitting signals for. H. Gerdien. 1,486,134; Mar. 11.
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Wrecking tool. J. L. Wilder. 1,486,820; Mar. 11.
Wrench. T. H. Ross. 1,486,391; Mar. 11.
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Yarn-guide-reciprocating mechanism. M. Maxik 1,486,780; Mar. 11.
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CLASSIFICATION OF PATENTS

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Laboratories, Chicago, Ill. Seno-mint (a laxative). 181,416; Mar. 18; Serial No. 186,537; published Jan. 1, 1924.

Aborn Shirt Mfg. Co., The. (See Tenebaum, David.)

Abraham & Straus, Inc., Brooklyn, N. Y. Corsets. 181,418; Mar. 18; Serial No. 186,020; published Dec. 25, 1923.

Aetna Automatic Oil Burner, Incorporated. (See Scheminger, John, jr.)

After-Shave Laboratories. (See Valentine, Harry E.)

Ahrens, William C., Cary Station, Ill. Medicine for distemper of dogs. 181,307; Mar. 18; Serial No. 186,043; published Jan. 8, 1924.

American Chemical & Drug Co. Inc., Olyphant, Pa. Proprietary laxative remedy. 181,226; Mar. 18; Serial No. 188,085; published Jan. 8, 1924.

American Druggists Syndicate, Long Island City, N. Y. Perfumes, toilet waters, face creams, etc. 181,453; Mar. 18; Serial No. 187,371; published Dec. 25, 1923.

American Enameled Brick & Tile Company, New York, N. Y. Enameled bricks. 181,345; Mar. 18; Serial No. 178,369; published Jan. 8, 1924.

American Fastener Company, The, Waterbury, Conn. Snap fasteners. 181,503; Mar. 18; Serial No. 188,102; published Jan. 1, 1924.

American Guernsey Cattle Club, Peterboro, N. H. Milk, cream, butter, and cheese. 181,367; Mar. 18; Serial No. 185,400; published Jan. 1, 1924.

American Printing Company, doing business as M. C. D. Borden & Sons, Fall River, Mass. Cotton piece goods. 181,529; Mar. 18.

American Printing Company, doing business as M. C. D. Borden & Sons, Inc., Fall River, Mass. Cotton piece goods. 181,541–3; Mar. 18.

American Safety Razor Corporation, Brooklyn, N. Y. Razors, razor blades, safety razors, and blades. 181,544; Mar. 18.

Andrews & Pledger, doing business as Genovar Company, New York, N. Y. Reducing lotion. 181,368; Mar. 18; Serial No. 185,505; published Jan. 1, 1924.

Anglo-American Provision Company, Chicago, Ill. Hog products, including hams. 25,029; renewed July 17, 1924.

Anglo-American Provision Company, Chicago, Ill. Hog products, including lard. 25,043; renewed July 24, 1924.

Artum Chemical Manufacturing Company. (See Tumineill, Arcangelo M. J.)

Asmus Bros., Detroit, Mich. Coffee. 181,478; Mar. 18; Serial No. 180,733; published Oct. 30, 1923.

Attix, E. D., doing business as Attix Hosiery Mills, Knoxville, Tenn. Hosiery. 181,216; Mar. 18; Serial No. 187,282; published Jan. 1, 1924.

Aunt Joy's Company. (See Thompson, Livingston A.)

Ayer, Harriet Hubbard, New York, N. Y. Talcum and theatrical powders. 181,308; Mar. 18; Serial No. 186,054; published Jan. 8, 1924.

B. K. Laboratory, The. (See Brown, Charles J.)

Baer, Robert, doing business as Robert Baer Hat Co., Los Angeles, Calif. Hats and caps for men and boys. 181,347; Mar. 18; Serial No. 179,645; published Dec. 25, 1923.

Bag-O-Heat Company. (See Yore, George J.)

Barekman, Thomas H., Paris, Ill. Medicinal preparation for barber's itch. 181,457; Mar. 18; Serial No. 187,403; published Dec. 25, 1923.

Barlow, James F., doing business as Vaporine Chemical Company, Memphis, Tenn. Liver pills. 181,210; Mar. 18; Serial No. 184,656; published Jan. 1, 1924.

Barnett, Sidney I., doing business as The Nu-Shave Co., New York, N. Y., and Detroit, Mich. Saponified shaving compound. 181,348; Mar. 18; Serial No. 180,096. published Jan. 1, 1924.

Barron, Robert A., doing business as United Sales Corporation, San Francisco, Calif. Tool-handle wedges. 181,540; Mar. 18.

Basser's Textile Clearing House, Inc., New York, N. Y. Silk goods in the piece. 181,515; Mar. 18.

Battle Creek Food Company, The, Battle Creek, Mich. Laxative food. 181,474; Mar. 18; Serial No. 179,350; published Jan. 1, 1924.

Bechtol, Archie H., doing business as Southern Confection Company, Memphis, Tenn. Candy confections. 181,214; Mar. 18; Serial Nos. 186,000–1; published Jan. 1, 1924.

Beegle, Clair H., Tacoma, Wash. Therapeutic salve for cuts, wounds, etc. 181,225; Mar. 18; Serial No. 188,044; published Jan. 8, 1924.

Bess Toilet Products, Inc., Syracuse, N. Y. Talcum and face powders, face creams, etc. 181,508; Mar. 18; Serial No. 185,198; published Dec. 4, 1923.

Berkowitz, Morris, doing business as Russian Cream Candy Mfg. Co., New York, N. Y. Candy. 181,219; Mar. 18; Serial No. 187,661; published Jan. 1, 1924.

Blackshear, Robert K., Corsicana, Tex. Attachments for holding tooth-paste tubes and toothbrushes. 181,512; Mar. 18.

Blake, Moffit & Towne, San Francisco, Calif. Bond paper. 181,449; Mar. 18; Serial No. 187,285; published Jan. 1, 1924.

Blake, Moffit & Towne, San Francisco, Calif. Bond paper. 181,450; Mar. 18; Serial No. 187,290; published Jan. 1, 1924.

Blue-Ribbon Knitting Mills, Inc., Waltham, Mass. Knitted outerwear. 181,195; Mar. 18; Serial No. 186,175; published Jan. 1, 1924.

Bosch, Johann, Gesellschaft m. b. H., Fabrik für Asphalt, Dachpappe u. Teerprodukte, Vienna, Austria. Floor polishes. 181,470; Mar. 18; Serial No. 177,913; published Jan. 8, 1924.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 181,371; Mar. 18; Serial No. 185,742; published Jan. 1, 1924.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 181,372; Mar. 18; Serial No. 185,744; published Jan. 1, 1924.

Bourjois, A., & Co., Inc., New York, N. Y. Face powder. 181,215; Mar. 18; Serial No. 187,709; published Jan. 8, 1924.

Bowman, George H., Company, The, Cleveland, Ohio. Aluminum percolators. 181,414; Mar. 18; Serial No. 183,643; published Oct. 16, 1923.

Bragg, Perrie A., doing business as The Reliable Chemical Company, Winchester, Ind. Compound for the treatment of mange-infected hogs. 181,267; Mar. 18; Serial No. 184,539; published Jan. 1, 1924.

Brewer & Company, Inc., Worcester, Mass. Cod-liver oil. 181,266; Mar. 18; Serial No. 184,492; published Jan. 8, 1924.

Brown, Charles J., doing business as The B. K. Laboratory, Kansas City, Kans. Preparation for cleansing the teeth and mouth. 181,349; Mar. 18; Serial No. 180,323; published Dec. 25, 1923.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard-table cushions made of rubber compound. 24,237; renewed Feb. 13, 1924.

Budlong Manufacturing Company, Auburn, R. I. Braids, elastic cords, loop elastics, etc. 181,537; Mar. 18.

Buffalo Weaving & Belting Co., Buffalo, N. Y. Cotton belting. 181,231; Mar. 18; Serial No. 182,232; published Jan. 8, 1924.

Bush, William H., Wellesley Hills, Mass. Children's velocipedes. 181,370; Mar. 18; Serial No. 185,693; published Dec. 25, 1923.

Butler, James, Inc., New York, N. Y. Bread. 181,256; Mar. 18; Serial No. 185,889; published Jan. 1, 1924.

Calajoe, Anthony J., New York, N. Y. Medicine for rheumatism, sciatica, gout, etc. 181,427; Mar. 18; Serial No. 185,287; published Jan. 1, 1924.

Califelt Insulation Mfg. Co., Los Angeles, Calif. Insulating material for walls, box cars, refrigerator cars, etc. 181,488; Mar. 18; Serial No. 187,710; published Dec. 25, 1923.

California Syrup & Packing Co. (See Drenikow, Otto T.)

Cappellanti, Harry, doing business as Gas Flow Alarm Mfg. Co., Morgantown, W. Va. Gas-flow alarms. 181,312; Mar. 18; Serial No. 186,350; published Dec. 11, 1923.

Carson Pirie Scott & Co., Chicago, Ill. Misses' and children's hats. 181,270; Mar. 18; Serial No. 184,596; published Jan. 1, 1924.

Carter Dry Goods Co., Inc., Louisville, Ky. Underwear. 181,198–0; Mar. 18; Serial Nos. 186,352–3; published Jan. 1, 1924.

Casey, Patrick H., doing business as Casey Chemo-Therapy Co., Baltimore, Md. Tablets for treatment of headaches, neuritis, colds, etc. 181,438; Mar. 18; Serial No. 184,117; published Jan. 1, 1924.

Caulk, L. D., Company, The, Milford, Del. Preparation for insertion in dental cavities. 181,261; Mar. 18; Serial No. 184,119; published Jan. 8, 1924.

Caulk L. D., Company, The, Milford, Del. Dental instruments. 181,490; Mar. 18; Serial No. 187,663; published Jan. 8, 1924.

Celite Producta Company, Los Angeles, Calif. Finely-divided solid material used in aiding filtration and in deemulsification of liquids. 181,463; Mar. 18; Serial No. 187,508; published Dec. 25, 1923.

Charlton & Bowen, Rolfe, Iowa. Fresh and storage eggs. 181,302; Mar. 18; Serial No. 185,859; published Jan. 8, 1924.

Chemical Paper Manufacturing Company, Holyoke, Mass. Book paper. 181,487; Mar. 18; Serial No. 187,711; published Jan. 1, 1924.

Chlorophen Chemical Co. Inc., Elkins, W. Va. General antiseptic. 181,465; Mar. 18; Serial No. 187,562; published Dec. 25, 1923.

Chopp, William, Bowey, Minn. Preparation for the treatment of piles. 181,301; Mar. 18; Serial No. 185,780; published Jan. 1, 1924.
Clement, Berthe P., administratrix of the estate of Emile A. Clement, New York, N. Y. Cheese wafers. 181,437; Mar. 18; Serial No. 184,235; published Jan. 1, 1924.
Cohen, Morris, New Haven, Conn. Sweater coats, bathing suits, and scarfs. 181,203; Mar. 18; Serial No. 187,249; published Jan. 1, 1924.
Cohn & Kaplan, New York, N. Y. Ladies' and misses' hats. 181,336; Mar. 18; Serial No. 183,908; published Dec. 25, 1923.
Coleman Lamp Company, The, Wichita, Kans. Gas generators. 181,421; Mar. 18; Serial No. 186,695; published Dec. 25, 1923.
Columbus Creamery, Columbus, Ga. Butter. 181,428; Mar. 18; Serial No. 185,177; published Jan. 1, 1924.
Concentrated Products Corporation, Carlstadt, N. J., and New York, N. Y. Laundry soap. 181,405; Mar. 18; Serial No. 187,150; published Dec. 25, 1923.
Conder, Ralph E., Southborough, Mass. Poultry, live stock, vegetables, fruits, etc. 181,380; Mar. 18; Serial No. 162,382; published Jan. 1, 1924.
Coty, Francois J. de S., Suresnes, France. Perfumes, toilet waters, face powders, sachet powders, etc. 181,498; Mar. 18; Serial No. 169,238; published June 5, 1923.
Crawford Farms, Incorporated, Millbrook, N. Y. Biscuit sandwich. 181,263; Mar. 18; Serial No. 184,327; published Jan. 1, 1924.
Crenshaw, James H., Columbus, Ohio. Medicine for treatment of venereal diseases. 181,196; Mar. 18; Serial No. 186,219; published Jan. 1, 1924.
Croll, Jesse G., doing business as Jesse G. Croll & Son, Philadelphia, Pa. Paint enamels and ready-mixed paints. 181,417; Mar. 18; Serial No. 186,587; published Jan. 8, 1924.
Crooks Brothers Millinery Company, Quincy, Ill. Ladies' and children's hats. 181,260; Mar. 18; Serial No. 184,937; published Dec. 25, 1923.
Cross Bro's Co., Northfield, Vt. Tombstones, monuments, and memorials. 181,353; Mar. 18; Serial No. 181,112; published Jan. 1, 1924.
Crown Willamette Paper Company, San Francisco, Calif. Fresh apples. 181,222; Mar. 18; Serial No. 187,802; published Jan. 1, 1924.
Cummings, Josiah, Son & Co., assignor to E. J. Cummings, doing business as Josiah Cummings & Son, Boston, Mass. Fiber, leather board, leatheroid, and trunks and other articles made therefrom. 24,843; renewed June 12, 1924.
Curry Manufacturing Company. (See Parker, Evalyn C.)
Dallmann Machine & Mfg. Co., Milwaukee, Wis. Gears. 181,402; Mar. 18; Serial No. 186,948; published Jan. 1, 1924.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Toilet waters, pastes, and powders, and perfumery. 181,205; Mar. 18; Serial No. 186,111; published Jan. 1, 1924.
Darley, John W., jr., deceased, doing business as Dreams Co., Baltimore, Md.; The Fidelity Trust Co. (Baltimore, Md.), executor. Incense and incense candles. 181,454; Mar. 18; Serial No. 187,375; published Dec. 25, 1923.
Davis, Beatrice E., Carruthersville, Mo. Hair stimulator. 181,521; Mar. 18.
Davis & Lawrence Co., New York, N. Y. Toilet, hand, and skin soaps. 181,485; Mar. 18; Serial No. 181,822; published Jan. 1, 1924.
Davis Standard Bread Company Incorporated, Los Angeles, Calif. Bread. 181,326; Mar. 18; Serial No. 183,558; published Jan. 8, 1924.
Defender Manufacturing Company, Inc., Long Island City, N. Y. Pillowcases. 181,519; Mar. 18.
Dewey, H. T., & Sons Company, New York, N. Y. Emulsion of cod-liver oil and port wine, etc., for the treatment of coughs, colds, etc. 181,314; Mar. 18; Serial No. 186,419; published Jan. 8, 1924.
De Zeng Standard Co., Camden, N. J. Diagnostic medical instruments. 181,516; Mar. 18.
Diaz, Carlos J., doing business as Les Parfums des Courtisanes, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 181,466–7; Mar. 18; Serial Nos. 187,569–70; published Dec. 25, 1923.
Diemer, Dr. F. W., Medicine Co., Springfield, Mo. Vegetable tablets for treatment of billousness, indigestion, etc. 181,227; Mar. 18; Serial No. 188,090; published Jan. 8, 1924.
Dixie Maid Hat Company, West Carrollton, Ohio. Hats. 181,341; Mar. 18; Serial No. 183,560; published Nov. 27, 1923.
Dold, Jacob, Packing Co., The, assignor to Jacob Dold Packing Company, Buffalo, N. Y.; Kansas City, Mo.; Wichita, Kans.; Harrisburg, Pa.; and Liverpool, England. Smoked hog, beef, and mutton products. 24,267; renewed Feb. 20, 1924.
Douglas-King Limited, Winnipeg, Manitoba, Canada. Soft drinks. 181,397; Mar. 18; Serial No. 176,169; published Jan. 8, 1924.
Dreams Co. (See Darley, John W., jr.)
Drenikow, Otto T., doing business as California Syrup & Packing Co., Cupertino, Calif. Table sirups. 181,364; Mar. 18; Serial No. 185,330; published Jan. 1, 1924.
Drew, Hilda L., doing business as The Hilda Lee, Lowell, Mass. Tissue creams. 181,458; Mar. 18; Serial No. 187,408; published Dec. 25, 1923.
Dyer, Harry B., doing business as National Safe Protector Co., Minneapolis, Minn. Noxious-gas-producing liquid for the protection of safes and the like. 181,233; Mar. 18; Serial No. 182,963; published Dec. 25, 1923.
Eastern Connecticut Poultry Producers, Inc., Willimantic, Conn. Eggs. 181,277; Mar. 18; Serial No. 184,897; published Jan. 1, 1924.
Edwards Manufacturing Co., The, Cincinnati, Ohio. Toy pistols, rifles, and repeating rifles. 181,502; Mar. 18; Serial No. 188,234; published Jan. 1, 1924.
Egan-Dryfoos Distributing Co., San Francisco, Calif. Shoes. 181,385; Mar. 18; Serial No. 172,526; published Dec. 25, 1923.
Ehrman, Samuel, Co., New York, N. Y. Venice, Irish, etc. laces. 181,388; Mar. 18; Serial No. 173,409; published Jan. 1, 1924.
Emlet-Winebrenner Co., Hanover, Pa. Dobell's solution, witch-hazel, chloroform lozenges, etc. 181,298; Mar. 18; Serial No. 166,052; published Nov. 6, 1923.
Empire State Canning Co., Rome, N. Y. Canned fruits and vegetables. 181,249; Mar. 18; Serial No. 179,141; published Jan. 1, 1924.
Enterprise Oil Company, Inc., Buffalo, N. Y. Lubricating oils. 181,514; Mar. 18.
Estoma Co. (See Pierce, D. M.)
Evans, Michael T. L., Trevillians, Va. Spring water. 181,423; Mar. 18; Serial No. 185,451; published Jan. 1, 1924.
Everstick Anchor Company, St. Louis, Mo. Earth anchors. 181,535; Mar. 18.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Pencils. 181,435; Mar. 18; Serial No. 184,439; published Jan. 1, 1924.
Farrington, G. B., Co., The, New York, N. Y. Coffee. 181,250; Mar. 18; Serial No. 180,595; published Jan. 1, 1924.
Felborn Pharmacal Co., Inc., Brooklyn, N. Y. Liniment. 181,262; Mar. 18; Serial No. 184,239; published Jan. 1, 1924.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 181,505; Mar. 18; Serial No. 187,921; published Jan. 8, 1924.
Ferle, Heller, Inc., New York, N. Y. Ladies' and misses' hats. 181,362; Mar. 18; Serial No. 185,248; published Jan. 1, 1924.
Fidelity Trust Co., The, executor. (See Darley, John W., jr.)
Finkelstein, Louis A., Johnstown, Pa. Anaesthetic for use in extracting teeth. 181,323; Mar. 18; Serial No. 183,265; published Jan. 8, 1924.
Firestone Tire and Rubber Company, Akron, Ohio. Tires. 181,244; Mar. 18; Serial No. 136,120; published Jan. 8, 1924.
Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 181,273–4; Mar. 18; Serial Nos. 184,718–19; published Jan. 1, 1924.
Fox River Paper Company, Appleton, Wis. Writing paper. 181,526; Mar. 18.
Frackville Manufacturing Company, New York, N. Y. Men's nightshirts, bath robes, pyjamas, and undergarments. 181,200; Mar. 18; Serial No. 186,635; published Jan. 1, 1924.
Frost, George, Company, Boston, Mass. Men's garters. 181,482; Mar. 18; Serial No. 181,481; published Dec. 25, 1923.
Fuller, James C., Kansas City, Mo. Shampoo preparation. 181,292; Mar. 18; Serial No. 165,281; published Dec. 4, 1923.
G & G Scientific Egg Food Co., San Francisco, Calif. Food preparation for birds. 181,255; Mar. 18; Serial No. 182,471; published Jan. 1, 1924.
Galveston Ice Cream Co. Inc., Galveston, Tex. Ice cream and frozen ices. 181,264; Mar. 18; Serial No. 184,399; published Jan. 1, 1924.
Gas Flow Alarm Mfg. Co. (See Cappellanti, Harry.)
Geitz, Fred, jr., St. Louis, Mo. Blank books. 181,477; Mar. 18; Serial No. 180,695; published Jan. 1, 1924.
Genovar Company. (See Andrews & Pledger.)
Genuting, A. H., Co., Philadelphia, Pa. Shoes. 181,536; Mar. 18.
Gibbs, Malcolm G., doing business as Key Chemical Co., Washington, D. C. Skin lotion. 181,241; Mar. 18; Serial No. 184,906; published Jan. 1, 1924.
Gibbs, Malcolm G., doing business as Key Chemical Co., Washington, D. C. Antiseptic powder. 181,242; Mar. 18; Serial No. 184,907; published Jan. 1, 1924.
Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Catarrh cream, nasal spray, and preparation for removing corns. 181,278; Mar. 18; Serial No. 184,904; published Jan. 1, 1924.
Gibbs, Malcolm G., doing business as Key Chemical Company, Washington, D. C. Preparation for treatment of headache, nervousness, etc. 181,279; Mar. 18; Serial No. 184,908; published Jan. 8, 1924.
Gilson, John E., doing business as J. E. Gilson Company, Port Washington, Wis. Garden tools. 181,532; Mar. 18.
Glidden Nut Butter Company, The, Chicago, Ill. Nut margarine. 181,258; Mar. 18; Serial No. 186,784; published Jan. 1, 1924.

Granite State Spring Water Co., Atkinson Depot, N. H. Beverages sold as soft drinks and sirups for making the same. 181,513; Mar. 18.
Grant, W. T., Company, New York, N. Y. Bath sprays with rubber-tubing attachments. 181,480; Mar. 18; Serial No. 181,184; published Jan. 1, 1924.
Gray, Ada B., Kansas City, Mo. Creams, complexion bags, and hand lotion. 181,468; Mar. 18; Serial No. 187,621; published Dec. 25, 1923.
Green, A. P., Fire Brick Co., Mexico, Mo. Fire-brick mortar, fire-brick cement, etc. 181,425; Mar. 18; Serial No. 185,337; published Jan. 1, 1924.
Gudebrod Bros. Silk Co., New York, N. Y. Silk threads and yarns. 181,475; Mar. 18; Serial No. 179,721; published Dec. 11, 1923.
Guild, J. H., Company, Rupert, Vt. Preparation for the treatment of asthma. 181,354; Mar. 18; Serial No. 181,485; published Jan. 1, 1924.
Habhegger, John, Co., Watertown, Wis. Butter. 181,316; Mar. 18; Serial No. 186,425; published Jan. 1, 1924.
Haemozon Products Company, The. (See Stege, John R.)
Hardwick Stove Co., Cleveland, Tenn. Stoves using fluid fuel. 181,525; Mar. 18.
Harris Suspender Company, New York, N. Y. Suspenders. 181,439; Mar. 18; Serial No. 172,799; published Jan. 1, 1924.
Harrison, B. M., Philadelphia, Pa. Deodorant preparations. 181,268; Mar. 18; Serial No. 184,549; published Jan. 1, 1924.
Hart, Michael C., Manchester, England. Cotton piece goods. 181,327; Mar. 18; Serial No. 183,571; published Jan. 1, 1924.
Hastings Milling Company. (See Nebraska Consolidated Mills Co.)
Hatter's Clearing House Inc., The, New York, N. Y. Hats and caps. 181,331; Mar. 18; Serial No. 183,704; published Jan. 1, 1924.
Heather Company, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 181,459; Mar. 18; Serial No. 187,420; published Dec. 25, 1923.
Heather Company, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 181,460; Mar. 18; Serial No. 187,422; published Dec. 25, 1923.
Heather Company, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 181,493; Mar. 18; Serial No. 187,623; published Dec. 25, 1923.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 181,511; Mar. 18.
Hendler Creamery Company, The, Baltimore, Md. Ice cream. 181,321; Mar. 18; Serial No. 183,069; published Jan. 1, 1924.
Herington Creamery Co. (See Johnson, Samuel B.)
Herrin, George J., doing business as Vio-Glen Chemical Company, Kansas City, Mo. Mouth washes and tooth pastes. 181,204; Mar. 18; Serial No. 186,056; published Jan. 1, 1924.
Hess, John E., Clearfield, Pa. Periodical magazine published monthly. 181,247; Mar. 18; Serial No. 158,710; published Jan. 1, 1924.
Hilda Lee, The. (See Drew, Hilda L.)
Hill Crest Manor, Wheaton, Ill. Fresh eggs. 181,424; Mar. 18; Serial No. 185,368; published Jan. 1, 1924.
Hill, David, Limited, Leicester, England. Heels for boots and shoes. 181,265; Mar. 18; Serial No. 184,449; published Jan. 1, 1924.
Hoffman, C. E., Co., Dallas, Tex. Quinine hair tonic. 181,252; Mar. 18; Serial No. 178,103; published Jan. 8, 1924.
Holcombe, James F., Los Angeles, Calif. Scratch awls, bearing scrapers, cold chisels, etc. 181,545; Mar. 18.
Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 181,313; Mar. 18; Serial No. 186,367; published Dec. 18, 1923.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face and talcum powders, etc. 181,408; Mar. 18; Serial No. 187,257; published Dec. 25, 1923.
Hoy, F. F., Inc., New York, N. Y. Corsets. 181,494; Mar. 18; Serial No. 182,308; published Jan. 1, 1924.
Hoyt's Consumers Cracker & Biscuit Corporation, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Crackers, cakes, wafers, and biscuit. 181,306; Mar. 18; Serial No. 186,012; published Jan. 8, 1924.
Hudnut, Richard, New York, N. Y. Perfumes and toilet preparations. 181,335; Mar. 18; Serial No. 183,881; published Jan. 1, 1924.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 181,403; Mar. 18; Serial No. 186,998; published Jan. 1, 1924.
Hulman & Company, Terre Haute, Ind. Baking powder. 181,239; Mar. 18; Serial No. 184,612; published Jan. 1, 1924.
Humphreys, E. C., & Brother Co., The, Columbus, Ohio. Molding and core sand and ground fire clay. 181,346; Mar. 18; Serial No. 179,206; published Jan. 1, 1924.
Ideal Wrapping Machine Company, Middletown, N. Y. Caramel and candy cutters and sizers and parts thereof. 181,375; Mar. 18; Serial No. 153,602; published Jan. 1, 1924.
International Company, The, Baltimore, Md. Cake. 181,271; Mar. 18; Serial No. 184,668; published Jan. 1, 1924.
International Shoe Company, St. Louis, Mo., doing business as Morse & Rogers, New York, N. Y. Leather boots, shoes, and slippers. 181,337; Mar. 18; Serial No. 183,976; published Jan. 1, 1924.
Interstate Engineering Co., Madison, Wis. Electrotherapeutic apparatus. 181,448; Mar. 18; Serial No. 174,901; published Jan. 8, 1924.
Irish Linen Mesh Company, Limited, The, Belfast, Ireland. Articles of underwear of knitted fabric, pyjamas, etc. 181,394; Mar. 18; Serial No. 181,949; published Jan. 1, 1924.
Italy Laboratories. (See Martino, Antonio R.)
Jelenko, J. F., & Co., New York, N. Y. Dental golds. 181,500; Mar. 18; Serial No. 188,371; published Jan. 8, 1924.
Jenny Wren Stores Corporation, San Francisco, Calif. Cabinets and counters. 181,281; Mar. 18; Serial No. 150,750; published Jan. 1, 1924.
Joannes Bros. Co., Green Bay, Wis. Baking powder, bluing, lye, and laundry starch. 181,442; Mar. 18; Serial No. 172,878; published June 26, 1923.
Johnson, Cyril, Woolen Co., Stafford Springs, Conn. Woolen and worsted piece goods for men's wear only. 181,390; Mar. 18; Serial No. 174,365; published Jan. 1, 1924.
Johnson, Samuel B., doing business as Herington Creamery Co., Herington, Kans. Butter. 181,451; Mar. 18; Serial No. 187,316; published Jan. 8, 1924.
Josmith Products Co. (See Smith, Joseph L.)
Junior Hosiery Company, Philadelphia, Pa. Hosiery. 181,280; Mar. 18; Serial No. 146,122; published Aug. 23, 1921.
Jutras, Joseph, doing business as La Parfumerie J. Jutras, Montreal, Quebec, Canada. Face powders and creams, toilet waters, rouges, perfumes, etc. 181,229–30; Mar. 18; Serial Nos. 188,244–5; published Jan. 8, 1924.
Kansas City Paper House, Kansas City, Mo. Printing and writing paper. 181,446; Mar. 18; Serial No. 185,828; published Jan. 1, 1924.
Karpman, Alexander, doing business as Kiki Manufacturing Company, New York, N. Y. Perfumes. 181,295; Mar. 18; Serial No. 170,390; published Jan. 30, 1923.
Katrina, Anton, Yukon, Pa. Interchangeable rings for stovepipes. 181,434; Mar. 18; Serial No. 184,467; published Jan. 8, 1924.
Kelly, Frank S., doing business as Kelly's Japan Polish Co., Chicago, Ill. Polish and coating for japanned, etc., surfaces. 181,496; Mar. 18; Serial No. 182,155; published Jan. 8, 1924.
Kelso Manufacturing Co., Detroit, Mich. Tire gauges. 181,510; Mar. 18.
Kerfoot, Thomas, & Co., Limited, Bardsley, England. Inhalant for the relief of colds in the head. 181,259; Mar. 18; Serial No. 187,424; published Dec. 25, 1923.
Key Chemical Company. (See Gibbs, Malcolm G.)
Kibbe Brothers Company, Springfield, Mass. Peanut-butter kisses. 181,235; Mar. 18; Serial No. 183,837; published Jan. 1, 1924.
Kiki Manufacturing Company. (See Karpman, Alexander.)
Kilby Frog & Switch Co., Birmingham, Ala. Railway frogs. 181,530; Mar. 18.
King, H. H., Flour Mills Company, Minneapolis, Minn. Wheat flour. 181,433; Mar. 18; Serial No. 184,736; published Dec. 25, 1923.
Kirk-Latty Manufacturing Company, The, Cleveland, Ohio. Bolts. 181,527; Mar. 18.
Kirkendall Shoe Company, Omaha, Nebr. Leather moccasins. 181,237; Mar. 18; Serial No. 184,246; published Jan. 1, 1924.
Klein, Mathias, & Sons, Chicago, Ill. Wire-pulling grips. 181,534; Mar. 18.
Knoxville Mattress Co., Knoxville, Tenn. Mattresses. 181,338; Mar. 18; Serial No. 183,979; published Jan. 1, 1924.
Koenig, Theodor, Munich, Germany. Medicinal compound for the treatment of nervous disorders. 181,232; Mar. 18; Serial No. 182,830; published Jan. 1, 1924.
Kraft & Steudel Fabrik photographischer Papiere Gesellschaft mit beschränkter Haftung, Dresden, Germany. Sensitized photographic paper, cardboard, and postcards. 181,350–2; Mar. 18; Serial Nos. 180,437–9; published Jan. 1, 1924.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Wall-paper cleaner. 181,407; Mar. 18; Serial No. 187,224; published Jan. 1, 1924.
Laboratory of Research Chemotherapy, The, Philadelphia, Pa. Prophylactic and general local antiseptics. 181,206; Mar. 18; Serial No. 186,136; published Jan. 1, 1924.
Laboratory of Research Chemotherapy, The, Philadelphia, Pa. Antiseptics. 181,207; Mar. 18; Serial No. 186,137; published Jan. 1, 1924.
Lack & Samuels, Inc., New York, N. Y. Women's and misses' dresses, waists, blouses, etc. 181,202; Mar. 18; Serial No. 186,794; published Jan. 1, 1924.
La Parfumerie J. Jutras. (See Jutras, Joseph.)
Lawrence-Toombs, A., & Sons, Houston, Tex. Eggs. 181,213; Mar. 18; Serial No. 185,682; published Jan. 8, 1924.
Layton, Alex. & Sons, Lancaster, Ky. Tobacco seed. 181,523; Mar. 18.
Lee, Lynn S., doing business as Lynn Co., Denver, Colo. Table game. 181,445; Mar. 18; Serial No. 185,786; published Jan. 1, 1924.

Les Parfums des Courtisanes. (See Dias, Carlos J.)
Levine, Joseph H., Chicago, Ill. Spark-testing devices for internal-combustion engines. 181,283; Mar. 18; Serial No. 170,203; published Jan. 1, 1924.
Libisch, François, Paris, France. Perfumery, toilet water, powders, etc. 181,348; Mar. 18; Serial No. 178,262; published Jan. 8, 1924.
Lichtenstein-Mittenthal Company, Dallas, Tex. Women's, misses', and children's hats. 181,328; Mar. 18; Serial No. 183,629; published Jan. 1, 1924.
Llama Knitting Co., New York, N. Y. Sweaters, caps, booties, leggings, etc. 181,419; Mar. 18; Serial No. 186,651; published Jan. 1, 1924.
Longo, Salvator, doing business as The Sanatone Co., Brooklyn, N. Y. Laxative in candy form. 181,452; Mar. 18; Serial No. 187,322; published Dec. 25, 1923.
Los Angeles Milo Wheat Co., Glendale, Calif. Cereal food. 181,257; Mar. 18; Serial No. 186,019; published Jan. 8, 1924.
Louisiana State Rice Milling Co. Inc., New Orleans, La. Rice, rice bran, meal, polish, and flour. 181,376; Mar. 18; Serial No. 155,896; published Jan. 1, 1924.
Luft, George W., Company, Inc., The, Long Island City, N. Y. Toilet preparations. 181,522; Mar. 18.
Lusuardi, Amilcare, Turin, Italy. Pipes. 181,365; Mar. 18; Serial No. 185,343; published Jan. 1, 1924.
Lutz & Richardson, Baltimore, Md. Printed signs. 181,436; Mar. 18; Serial No. 184,410; published Jan. 1, 1924.
Lynn Co. (See Lee, Lynn S.)
M. C. D. Borden & Sons, Inc. (See American Printing Company.)
Manchester Biscuit Company, Incorporated, Sioux Falls, S. Dak. Zwieback. 181,356; Mar. 18; Serial No. 185,027; published Jan. 1, 1924.
Manchester Reeling and Winding Company, Limited, The, Manchester, England. Cotton yarn and sewing cotton. 181,411; Mar. 18; Serial No. 170,332; published Feb. 6, 1923.
Manischewitz, B., Company, The, Cincinnati, Ohio. Matzos. 181,333–4; Mar. 18; Serial Nos. 183,842–3; published Jan. 8, 1924.
Marl Voida Beauty Products Co. (See Thompson, Albert H.)
Marks, L. W., & Co. Inc., New York, N. Y. Hats for women. 181,358; Mar. 18; Serial No. 185,087; published Jan. 1, 1924.
Martino, Antonino E., doing business as Italy Laboratories, New York, N. Y. Laxative tablets. 181,309; Mar. 18; Serial No. 183,066; published Jan. 8, 1924.
Marysville Mill & Elevator Company, The, Marysville, Kans. Wheat and Graham flour. 181,473; Mar. 18; Serial No. 178,622; published Jan. 1, 1924.
Matanzas Cordage Company, S. A., Matanzas, Cuba. Rope and twine. 181,536; Mar. 18.
Matson, Francis G., Washington, D. C. Edible food comprised of a frankfurter incased in dough baked with the frankfurter. 181,343; Mar. 18; Serial No. 177,857; published Aug. 21, 1923.
Matson, Francis G., Washington, D. C. Edible food comprised of a frankfurter incased in dough baked with the frankfurter. 181,344; Mar. 18; Serial No. 177,918; published Aug. 21, 1923.
Max Dörner G. m. b. H., Stahlwarenfabrik, Solingen, Germany. Razors, safety razors and blades, pocketknives, etc. 181,381; Mar. 18; Serial No. 162,708; published Jan. 1, 1924.
Mayer, F., Boot & Shoe Co., Milwaukee, Wis. Leather shoes. 181,420; Mar. 18; Serial No. 186,653; published Dec. 25, 1923.
McCorriston, Charles E., Seattle, Wash. Puzzles. 181,395; Mar. 18; Serial No. 182,253; published Jan. 1, 1924.
McDonald, Victoria, Cleveland, Ohio. Cleansing cream and wrinkle remover and face powder. 181,324; Mar. 18; Serial No. 183,301; published Jan. 1, 1924.
Menaugh, Clyde, Muncie, Ind. Laxatives. 181,361; Mar. 18; Serial No. 185,183; published Jan. 8, 1924.
Mershon, Herbert C., doing business as Mershon Advertising Agency, Chicago, Ill. Redeemable coupons. 181,471; Mar. 18; Serial No. 177,919; published Jan. 1, 1924.
Migel, J. A., Inc., Bergen, N. J., and New York, N. Y. Silk piece goods. 181,318; Mar. 18; Serial No. 186,482; published Jan. 1, 1924.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Men's outer dress and negligee shirts. 181,220; Mar. 18; Serial No. 187,685; published Jan. 1, 1924.
Modern Pharmacal Co., Inc., New York, N. Y. Toilet preparations. 181,357; Mar. 18; Serial No. 185,032; published Jan. 8, 1924.
Monett Mill & Elevator Company, Monett, Mo. Wheat flour. 181,404; Mar. 18; Serial No. 167,116; published Jan. 1, 1924.
Moorman Mfg. Co., Quincy, Ill. Mineral mixture used as tonic for swine. 181,238; Mar. 18; Serial No. 184,558; published Jan. 1, 1924.
Morris, Oyson, Company, Chicago, Ill. Frozen egg product. 181,254; Mar. 18; Serial No. 182,431; published Jan. 1, 1924.
Morse & Rogers. (See International Shoe Company.)
Moyer, Elmer W., doing business as M. M. Moyer & Co., Philadelphia, Pa. Butter. 181,284; Mar. 18; Serial No. 159,517; published Jan. 1, 1924.
Moyer, Elmer W., doing business as M. M. Moyer & Co., Philadelphia, Pa. Eggs. 181,378; Mar. 18; Serial No. 159,516; published Jan. 1, 1924.
Mueller Metals Company, Port Huron, Mich. Tubes and screw-machine products. 181,520; Mar. 18.
Munter, Charles, New York, N. Y. Corsets. 181,245; Mar. 18; Serial No. 141,322; published Jan. 1, 1924.
National Equipment Company, Springfield, Mass. Chocolate and confectionery machinery. 181,528; Mar. 18.
National Packing Corporation, Ogden, Utah. Canned vegetables, tomato purée, and tomato catchup. 181,479; Mar. 18; Serial No. 180,880; published Nov. 13, 1923.
National Safe Protector Co. (See Dyer, Harry B.)
Nebraska Consolidated Mills Co., doing business as The Hastings Mills and Hastings Milling Company, Grand Island, Nebr. Cereal breakfast foods, pancake flour, wheat flour, and corn meal. 181,377; Mar. 18; Serial 156,709; published Mar. 20, 1923.
Neenah Paper Co., Neenah, Wis. Bond papers, boxed stationery, and tablets. 181,506; Mar. 18; Serial No. 187,885; published Jan. 1, 1924.
Neider, F. A., Co., The, Augusta, Ky. Nails. 181,310; Mar. 18; Serial No. 186,287; published Jan. 1, 1924.
New England Fish Company, Boston, Mass. Canned salmon. 181,325; Mar. 18; Serial No. 183,530; published Nov. 6, 1923.
Noon, Edward, & Son, Philadelphia, Pa. Bathing suits, athletic shirts, sweaters, etc. 181,246; Mar. 18; Serial No. 149,716; published Jan. 1, 1924.
Northland Knitting Company Limited, Winnipeg, Manitoba, Canada. Gloves made of leather. 181,243; Mar. 18; Serial No. 135,612; published Jan. 1, 1924.
Novaiaex Company, The, Chicago, Ill. Prepared yeast food tonic. 181,476; Mar. 18; Serial No. 179,880; published Dec. 25, 1923.
Nu-Shave Co. (See Barnett, Sidney I.)
Old, B. H., & Co. Inc., New York, N. Y. Paprika, cassia, cassia buds, cinnamon, etc. 181,253; Mar. 18; Serial No. 181,907; published Jan. 1, 1924.
Old, B. H. & Co. Inc., New York, N. Y. Paprika, cassia, cassia buds, cinnamon, etc. 181,393; Mar. 18; Serial No. 181,908; published Jan. 1, 1924.
Pabst Farms, Summit and Oconomowoc, assignor to Pabst Holstein Farms, Milwaukee, Wis. Cheese. 181,483; Mar. 18; Serial No. 181,496; published Jan. 1, 1924.
Page, Percy E., New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 181,208; Mar. 18; Serial No. 186,149; published Jan. 1, 1924.
Pancura Chemical Company, The, Baltimore, Md. Healing and drawing salve. 181,211; Mar. 18; Serial No. 185,014; published Jan. 1, 1924.
Paracide Co. (See Sharp, Lemuel J.)
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parker, Arthur, Cairo, Ill. Preparation for the treatment of the kidneys and liver. 181,455; Mar. 18; Serial No. 187,384; published Dec. 25, 1923.
Parker, Evalyn C., doing business as Curry Manufacturing Company, Albany, N. Y. Deodorant toilet powders. 181,209; Mar. 18; Serial No. 186,152; published Jan. 1, 1924.
Pearce, A. T., Miami, Fla. Fresh tomatoes. 181,221; Mar. 18; Serial No. 188,252; published Jan. 1, 1924.
Peerless Pattern Works. (See Schultze, Alfred P.)
Phenix Cheese Co., New York, N. Y. Cheese. 181,272; Mar. 18; Serial No. 184,684; published Jan. 1, 1924.
Pierce, D. M., doing business as Estoma Co., Detroit, Mich. Medicine for the treatment of stomach, liver, and intestinal ailments. 181,409; Mar. 18; Serial No. 187,266; published Jan. 8, 1924.
Piver, L. T., Inc., Wilmington, Del., and New York, N. Y. Perfume and face powder. 181,456; Mar. 18; Serial No. 187,385; published Dec. 25, 1923.
Pompeian Mfg. Company, The, Cleveland, Ohio. Face powder and face cream. 181,363; Mar. 18; Serial No. 185,312; published Jan. 1, 1924.
Portland Flour Mills Co., Portland, Oreg. Wheat flour. 181,495; Mar. 18; Serial No. 182,176; published Jan. 8, 1924.
Potash Marl, Inc., New York, N. Y. Fertilizers. 181,531; Mar. 18.
Pretto, Alberto, doing business as E. Pretto & C., Genoa, Italy. Alimentary pastes. 181,497; Mar. 18; Serial No. 181,959; published Jan. 1, 1924.
Pyrocolor Corporation, New York, N. Y. Glassware. 181,282; Mar. 18; Serial 152,091; published Jan. 1, 1924.
Quality Shoe Shop, Washington, D. C. Leather, rubber, fabric shoes. 181,339; Mar. 18; Serial No. 184,102; published Jan. 1, 1924.
Quinlan, H. T., & Company, St. Paul, Minn. Canned goods, stuffed olives, asparagus, etc. 181,374; Mar. 18; Serial No. 116,694; published Dec. 18, 1923.
Radio Stomach Relief Co. (See Rondeau, Francois X.)
Railroad Buyers & Sellers Service Bureau, Chicago, Ill. Periodicals. 181,499; Mar. 18; Serial No. 168,066; published Jan. 1, 1924.
Ransom Chemical Company, Ensley, Birmingham, Ala. Proprietary medicine for diseased feet. 181,443; Mar. 18; Serial No. 185,722; published Jan. 1, 1924.
Red Wing Union Stoneware Co., Red Wing, Minn. Earthenware—namely, jars, covers, and weights. 181,484; Mar. 18; Serial No. 181,697; published Jan. 8, 1924.

Regez, Ernest, & Sons, Blanchardsville, Wis. Cheese. 181,369; Mar. 18; Serial No. 185,620; published Jan. 1, 1924.
Reliable Chemical Company. (See Bragg, Perrie A.)
Rex Laboratories, The, Chicago, Ill. Embalming fluid. 181,379; Mar. 18; Serial No. 160,435; published Oct. 17, 1922.
Rinaudo Majano & Cie. Nice, France. Olive oil. 181,472; Mar. 18; Serial No. 178,568; published Jan. 1, 1924.
Rite Form Corset Co., Inc., The, New York, N. Y. Corsets. 181,391; Mar. 18; Serial No. 175,106; published Dec. 25, 1923.
Rondeau, François X., doing business as Radio Stomach Relief Co., Brockton, Mass. Stomach preparation. 181,201; Mar. 18; Serial No. 165,035; published July 10, 1923.
Ross, Myma, Toronto, Ontario, Canada. Cold cream. 181,228; Mar. 18; Serial No. 188,134; published Jan. 1, 1924.
Rothbell, Benjamin, doing business as Max Rothbell & Sons, New York, N. Y. Cloaks and suits. 181,441; Mar. 18; Serial No. 175,570; published Jan. 1, 1924.
Rovin, Alexander M., Detroit, Mich. Nonirritating urethral injection. 181,303; Mar. 18; Serial No. 185,878; published Jan. 1, 1924.
Rubin, Isidore J., doing business as I. J. Rubin & Co., New York, N. Y. Cloaks, suits, wraps, capes, etc. 181,197; Mar. 18; Serial No. 186,248; published Jan. 1, 1924.
Russian Cream Candy Mfg. Co. (See Berkowitz, Morris.)
Rutherford, Guy P., Indianapolis, Ind. Medicinal preparation for piles. 181,212; Mar. 18; Serial No. 185,043; published Jan. 1, 1924.
S. Y. W. Hosiery Co., Burlington, N. C. Hosiery. 181,330; Mar. 18; Serial No. 183,671; published Jan. 1, 1924.
Sable Bros., New York, N. Y. Hats and caps and ladies' scarfs. 181,236; Mar. 18; Serial No. 184,104; published Jan. 1, 1924.
Sacramento Feed and Fertilizer Company, North Sacramento, Calif. Meat scraps for poultry. 181,359; Mar. 18; Serial No. 185,148; published Jan. 8, 1924.
Sacramento Feed and Fertilizer Company, North Sacramento, Calif. Raw bone for poultry. 181,360; Mar. 18; Serial No. 185,149; published Jan. 8, 1924.
St. Ana, Florence, Detroit, Mich. Facial bleach and beauty pack. 181,401; Mar. 18; Serial No. 187,488; published Dec. 25, 1923.
Saks & Company, New York, N. Y. Girls' apparel. 181,390; Mar. 18; Serial No. 186,758; published Jan. 1, 1924.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, capes, etc. 181,217; Mar. 18; Serial No. 187,591; published Jan. 1, 1924.
Schacht Rubber Mfg. Co., Huntington, Ind. Rubber fruit-jar rings. 181,294; Mar. 18; Serial No. 166,751; published Jan. 1, 1924.
Schacht Rubber Mfg. Co., Huntington, Ind. Rubber heels. 181,398; Mar. 18; Serial No. 167,229; published Dec. 25, 1923.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Liquid-fuel burners for furnaces and boiler fire boxes. 181,240; Mar. 18; Serial No. 184,766; published Jan. 8, 1924.
Schultze, Alfred P., doing business as Peerless Pattern Works, Middletown, Conn. Chests and boxes made of cedar. 181,518; Mar. 18.
Scurich & Jerinich, Watsonville, Calif. Fresh apples. 181,401; Mar. 18; Serial No. 186,033; published Jan. 1, 1924.
Searle, G. D., and Company, Chicago, Ill. Nerve depressant. 181,492; Mar. 18; Serial No. 187,645; published Dec. 25, 1923.
Seyler Medicine Co., The, Cincinnati, Ohio. Medicine for cuts, burns, sores, and bruises. 181,464; Mar. 18; Serial No. 187,544; published Dec. 25, 1923.
Sharp & Dohme, Baltimore, Md. Medicinal preparation for use in massaging and bathing. 181,288; Mar. 18; Serial No. 157,112; published Mar. 28, 1922.
Sharp, Lemuel J., doing business as Paracide Co., Commerce, Ga. Remedy for itch. 181,491; Mar. 18; Serial No. 187,646; published Dec. 25, 1923.
Shaw, M. T., Inc., Racine, Wis. Shoes. 181,275; Mar. 18; Serial No. 184,767; published Jan. 1, 1924.
Simonson, Leo B., New York, N. Y. Hair shampoo, hair curling and drying liquids, rouge, etc. 181,322; Mar. 18; Serial No. 183,169; published Jan. 1, 1924.
Slote & Schaffer, New York, N. Y. Ladies' belts for personal wear. 181,355; Mar. 18; Serial No. 184,989; published Dec. 25, 1923.
Smith, Joseph L., doing business as Josmith Products Co., Denver, Colo. Paste—namely, a lubricant to assist in placing and displacing plates, etc. 181,481; Mar. 18; Serial No. 181,222; published Jan. 8, 1924.
Smith, Kline & French Co., Philadelphia, Pa. Antiseptic antiphlogistic ointment. 181,440; Mar. 18; Serial No. 175,160; published May 22, 1923.
Soter, F. & E., Corporation, Brooklyn, N. Y. Cigarettes. 181,340; Mar. 18; Serial No. 181,870; published Jan. 8, 1924.
South Georgia Produce Company, Vidalia, Ga. Wheat flour. 181,276; Mar. 18; Serial No. 184,769; published Jan. 1, 1924.
Southern Confection Company. (See Bechtol, Archie H.)
Southwest Onyx & Marble Company, San Diego, Calif. Balls for the handles of automobile gear-shift levers. 181,400; Mar. 18; Serial No. 186,760; published Jan. 1, 1924.
Southwestern Milling Company, Inc., New York, N. Y. Wheat flour. 181,447; Mar. 18; Serial No. 174,598; published Jan. 1, 1924.
Sparks, Frederick L., Meriden, Conn. Wheat and rye flour and breakfast cereals. 181,444; Mar. 18; Serial No. 174,270; published Jan. 8, 1924.
Standard Brick & Tile Company, Portland, Oreg. Building bricks. 181,422; Mar. 18; Serial No. 185,628; published Jan. 1, 1924.
Standard Clothing Company, The; Talbot Company, Boston, Mass., successors. Coats, vests, and pantaloons. 25,011; renewed July 17, 1924.
Standard Oil Company of Louisiana, Baton Rouge, La. Knitting oil, fiber grease, and yarn grease. 181,524; Mar. 18.
Standard Oil Company of Louisiana, Baton Rouge, La. Asphalt. 181,539; Mar. 18.
Starrett, L. S., Company, The, Athol, Mass. Brad sets, center punches, clamps, etc. 181,429; Mar. 18; Serial No. 185,153; published Dec. 25, 1923.
Starrett, L. S., Company, The, Athol, Mass. Bevels, calipers, dividers, center testers, etc. 181,430; Mar. 18; Serial No. 185,152; published Dec. 25, 1923.
Stearns, E. C., & Co., Syracuse, N. Y. Oil and molasses gates. 181,517; Mar. 18.
Stearns, Frederick J., Manchester, N. H. Poultry-lice ointment. 181,332; Mar. 18; Serial No. 185,725; published Jan. 1, 1924.
Stege, John R., doing business as The Haemozon Products Company, West Bend, Wis. Preparations for treatment of diseases resulting from faulty metabolism, etc. 181,507; Mar. 18; Serial No. 184,992; published Jan. 8, 1924.
Stetson, John B., Company, Philadelphia, Pa. Felt hats and caps for men and boys. 181,329; Mar. 18; Serial No. 183,637; published Dec. 25, 1923.
Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 181,413; Mar. 18; Serial No. 183,863; published Jan. 1, 1924.
Stone & Forsyth, assignor to Stone and Forsyth Company, Boston, Mass. Wrapping, writing, printing, and toilet paper. 24,822; renewed June 5, 1924.
Style-Center Tailoring Company, The, Cincinnati, Ohio. Women's clothing and garments. 181,386; Mar. 18; Serial No. 172,565; published Jan. 1, 1924.
Suchar Process Corporation, Dover, Del. Knittering, clarifying, and deodorizing carbons. 181,320; Mar. 18; Serial No. 183,008; published Nov. 20, 1923.
Sudbury, E. B., doing business as E. B. Sudbury & Co., New York, N. Y. Hosiery, sweaters, and fabric gloves. 181,297; Mar. 18; Serial No. 171,770; published Jan. 1, 1924.
Sykes, William, Limited, Horbury and London, England. Footballs, basket, soccer, and punching balls. 181,432; Mar. 18; Serial No. 184,804; published Jan. 1, 1924.
Taiyo Trading Co., Inc., New York, N. Y. Matches. 181,296; Mar. 18; Serial No. 170,450; published Jan. 1, 1924.
Talbot Company. (See Standard Clothing Company.)
Tamal Packing Co., San Francisco, Calif. Canned fruits and vegetables. 181,486; Mar. 18; Serial No. 181,919; published Dec. 11, 1923.
Tarquin Manufacturing Co., Washington, D. C. Ointment for the hair. 181,316; Mar. 18; Serial No. 186,450; published Jan. 1, 1924.
Tenenbaum, David, doing business as The Aborn Shirt Mfg. Co., New York, N. Y. Dress shirts. 181,299; Mar. 18; Serial No. 172,131; published Dec. 25, 1923.
Thompson, Albert H., doing business as Marl Valda Beauty Products Co., San Francisco, Calif. Beauty paste and hair tonic. 181,387; Mar. 18; Serial No. 173,219; published Aug. 14, 1923.
Thompson, Livingston A., doing business as Aunt Joy's Company, Waukesha, Wis. Coffee substitute. 181,201; Mar. 18; Serial No. 186,762; published Jan. 1, 1924.
Tokeczky, Frank, New York, N. Y. Cloth-washing powder. 181,373; Mar. 18; Serial No. 176,513; published Jan. 1, 1924.
Travis, Romaine & Jelle, Inc., New York, N. Y. Silk piece goods. 181,304; Mar. 18; Serial No. 185,882; published Jan. 1, 1924.
Triangle Kapok Machine Corp., New York, N. Y. Mattress-filling machines. 181,396; Mar 18; Serial No. 182,388; published Jan. 1, 1924.
Trinkel, Benjamin H., Providence, R. I. Sleeping suits. 181,218; Mar. 18; Serial No. 187,593; published Jan. 1, 1924.
Tuminelli, Arcangelo M. J., doing business as Artum Chemical Manufacturing Company, Baltimore, Md. Blood tonic and purifier. 181,319; Mar. 18; Serial No. 186,488; published Jan. 1, 1924.
Ungerer & Company, Inc., New York, N. Y. Attar of roses, also known as oil of roses. 181,223; Mar. 18; Serial No. 187,886; published Jan. 8, 1924.

Union Asbestos & Rubber Company, Chicago, Ill. Compressed asbestos fire-insulating material. 181,431; Mar. 18; Serial No. 185,062; published Jan. 1, 1924.
United Sales Corporation. (See Barron, Robert A.)
United Turkey Red Company Limited, The, Glasgow, Scotland. Cotton goods in the piece. 181,384; Mar. 18; Serial No. 172,134; published June 12, 1923.
Valentine, Harry E., doing business as After-Shave Laboratories, Los Angeles, Calif. After shaving lotion. 181,509; Mar. 18.
Van Horn, Olive A., doing business as Vel-O-Rose Chemical Company, New York, N. Y. Liquid cold cream. 181,305; Mar. 18; Serial No. 185,942; published Jan. 1, 1924.
Van Iderstine Company, The, Long Island City, N. Y. Poultry feed, digester tankage, and raw-bone meal. 181,462; Mar. 18; Serial No. 187,498; published Jan. 8, 1924.
Vaporine Chemical Company. (See Barlow, James F.)
Vel-O-Rose Chemical Company. (See Van Horn, Olive A.)
Victor-American Fuel Company, The, Portland, Me., and Denver, Colo. Coal. 181,290; Mar. 18; Serial No. 164,474; published Apr. 17, 1923.
Vio-Glen Chemical Company. (See Herrin, George J.)
Voter, G. H., Inc., Boston, Mass. Icemen's back aprons. 181,397; Mar. 18; Serial No. 182,630; published Jan. 1, 1924.
Wallace Milling Company, The, Dale, Ind. Wheat flour. 181,251; Mar. 18; Serial No. 147,070; published Jan. 10, 1922.
Walther & Company, New York, N. Y. Papers. 181,389; Mar. 18; Serial No. 174,044; published Jan. 1, 1924.
Wanamaker, John, New York, New York, N. Y. Golf balls. 181,504; Mar. 18; Serial No. 187,972; published Jan. 1, 1924.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes, toilet waters, and face powders. 181,224; Mar. 18; Serial No. 187,801; published Jan. 8, 1924.
Wander Company, The, Chicago, Ill. Colloidal hydroxide of aluminum. 181,117; Mar. 18; Serial No. 186,451; published Jan. 1, 1924.
Ward Baking Company, New York, N. Y. Bread. 181,489; Mar. 18; Serial No. 187,706; published Jan. 8, 1924.
Waymire, Benjamin F., Turloch, Calif. Fresh cantaloupes. 181,412; Mar. 18; Serial No. 184,109; published Jan. 8, 1924.
Weinstein Manufacturing Company, New York, N. Y. Men's and boys' caps. 181,366; Mar. 18; Serial No. 185,351; published Jan. 1, 1924.
Westkin Corporation, The, New York, N. Y. Cleansing compositions and spot removers. 181,342; Mar. 18; Serial No. 176,701; published Jan. 1, 1924.
White & Bagley Company, The, Worcester, Mass. Belt dressing. 25,014; renewed July 17, 1924.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Writing paper, mailing envelopes, and papeteries. 181,501; Mar. 18; Serial No. 188,351; published Jan. 1, 1924.
Wildman Rubber Company, The, Bay City, Mich. Pneumatic automobile tires and rubber tire tubes. 181,533; Mar. 18.
Williamson, Henry J., Cades, S. C. Medicine for diseases of the lungs and throat. 181,311; Mar. 18; Serial No. 186,342; published Jan. 8, 1924.
Willis Norton & Co., North Topeka, Kans. Wheat flour. 181,410; Mar. 18; Serial No. 187,275; published Jan. 8, 1924.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 181,300; Mar. 18; Serial No. 185,776; published Jan. 1, 1924.
Wolf, Jacques & Co., Passaic, N. J. Starch and proteins. 181,285–8; Mar. 18; Serial Nos. 161,607–10; published Nov. 28, 1922.
Woolley, Daniel P., New York, N. Y. Bread. 181,289; Mar. 18; Serial No. 163,066; published Jan. 1, 1924.
Worshowsky, Benn, doing business as Worsh's Myra Mfg. Co., Philadelphia, Pa. Ointments for the treatment of eczema and skin diseases, dandruff remover, and hair grower. 181,234; Mar. 18; Serial No. 183,093; published Jan. 1, 1924.
Worsh's Myra Mfg. Co. (See Worshowsky, Benn.)
Worthley, Abbott, Marlboro, N. J. Fresh potatoes. 181,298; Mar. 18; Serial No. 171,777; published June 5, 1923.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 181,382; Mar. 18; Serial No. 169,193; published Jan. 8, 1924.
X-Tol Products Company, Dayton, Ohio. Lotion for the face and hands. 181,469; Mar. 18; Serial No. 175,752; published May 29, 1923.
Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 181,426; Mar. 18; Serial No. 185,328; published Jan. 1, 1924.
Yore, George J., doing business as Bag-O-Heat Company, Not Inc., Chicago, Ill. Heating pads. 181,406; Mar. 18; Serial No. 187,183; published Jan. 8, 1924.
Zane Shoe Co., The, Zanesville, Ohio. Children's and misses' shoes. 181,269; Mar. 18; Serial No. 184,575; published Jan. 1, 1924.
Zurn, O. F., Company, Incorporated, Philadelphia, Pa. Lubricating oils. 181,415; Mar. 18; Serial No. 186,535; published Jan. 1, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Butter Crust Baking Co. Robe & Thiele, Props., Council Grove, Kans. Butter Crust. For Bread. 27,081; Mar. 18.
Cushman Baking Company, Portland, Me. New England Bread. For Bread. 27,082; Mar. 18.
Dexter, Stephen B., Los Angeles, Calif. Stop Dope Chewing Gum. For Chewing Gum. 27,083; Mar. 18.
East St. Louis Seed Company, East St. Louis, Ill. Palacelawn. For Lawn-Grass Seed or Grass Seed for Lawns. 27,084; Mar. 18.
Feinberg Kosher Sausage Co., Minneapolis, Minn. Feinbert Kosher Sausage Co. For Sausages. 27,085; Mar. 18.
Fisher, George R., Bogota, N. J. Takeout. For Preparation for the Removal of Stains. 27,086; Mar. 18.
Fitspatrick, Oscar, doing business as Fitz Bakery Co., Linton, Ind. Butter-Toast Bread. For Loaves of Bread. 27,087; Mar. 18.
Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Mother Goose Boxes. For Novelty Toy Reverse Trick Folding Boxes. 27,088; Mar. 18.
Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Little Hip. For Boxboard Toy Animals and Boxboard Novelty Toys and Toy Circuses. 27,089; Mar. 18.
Holland Medicine Company, Saginaw, Mich. Holland Brand Kidney Pills. For Medicated Pills for the Kidneys. 27,090; Mar. 18.
Individual Drinking Cup Company, Inc., The, Easton, Pa. Dixie. For Drinking Cups. 27,091; Mar. 18.
Krank, Alfred J., St. Paul, Minn. Pine-Tonic. For a Preparation for the Treatment of the Scalp. 27,092; Mar. 18.
Larvex Corporation, The, New York, N. Y. Larvex Mothproofs Fabrics. For a Bottle Containing a Preparation for Preventing Damage by Moths. 27,093; Mar. 18.
Larvex Corporation, The, New York, N. Y. Larvex Mothproofs Fabrics. For a Pasteboard Box Containing a Bottle and Atomizer of a Preparation for Preventing Damage by Moths. 27,094; Mar. 18.
Larvex Corporation, The, New York, N. Y. Larvex Mothproofs Fabrics. For a Pasteboard Folding Box Containing a Bottle of a Preparation for Preventing Damage by Moths. 27,095; Mar. 18.
Larvex Corporation, The, New York, N. Y. Larvex Atomizer. For a Pasteboard Folding Box Containing an Atomizer for Use with a Mothproofing Preparation. 27,096; Mar. 18.
Miller, E. R., Cigar Co., Webb City, Mo. Ten Eick. For Cigars. 27,097; Mar. 18.
Miltiades Melachrino, Inc., New York, N. Y. Cortesi. For Cigarettes. 27,098; Mar. 18.
Miltiades Melachrino, Inc., New York, N. Y. Miltiades. For Cigarettes. 27,099; Mar. 18.
Milwaukee Paper Box Co., Milwaukee, Wis. McCollum's Delicious Sweet Bits. For Candy. 27,100; Mar. 18.
Newark Paraffine & Parchment Paper Co., Newark, N. J.; New York, N. Y.; and Columbus, Ohio. La Belle Bread. For Bread. 27,101; Mar. 18.
Oswego River Paper Mills, Phoenix, N. Y. Rosedale. For Toilet Tissue. 27,102; Mar. 18.
Perl-O-Dent Chemical Company, The, Milwauke, Wis. Perl-O-Dent The Perfect Tooth Paste. For Tooth Paste. 27,103; Mar. 18.
Rust-Rid Mfg. Co., Queens, N. Y. Rust-Rid. For a Lubricating Oil. 27,104; Mar. 18.
Sankey, David W., Mifflinburg, Pa. Sankey's Life Of Leather. For a Waterproof Oil for All Kinds of Leather. 27,105; Mar. 18.
Shinano Company, The, Oakland, Calif. Plain Noodles. For Boxes of Noodles. 27,106; Mar. 18.
Sorver, McEvoy & Co., Philadelphia, Pa. Quality Inn. For Coffee. 27,107; Mar. 18.
Sorver, McEvoy & Co., Philadelphia, Pa. Tumbler Inn. For Coffee. 27,108; Mar. 18.
Sunderland Company, The, Warsaw, Ind. Sunderland Tire Pump—Big Boy—Balloon Type. For Tire Pumps. 27,109; Mar. 18.
Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Nu-Hair. For Composition for Restoring Gray Hair to Its Original Color. 27,110; Mar. 18.
Tyree, Hiram, doing business as H. Tyree Chemical Company, Los Angeles, Calif. Hi-Ty Antiseptic Compound. For Antiseptic Compound. 27,111; Mar. 18.
Universal Crepe & Tissue Mills, Inc., New York, N. Y. Flex-O Fine Tissue. For Toilet Paper. 27,112; Mar. 18.
Van Bar Corporation, Yonkers, N. Y. Wat-A-Wash Varnish Remover and Cleanser. For Varnish Remover. 27,113; Mar. 18.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Dan-D-Rem, Inc., Chicago, Ill. Dan-D-Rem. For Medical Preparation for the Removal of Dandruff. 7,250; Mar. 18.
Fairfield Enginering Company, The, Marion, Ohio. Fairfield Portable Conveyors, The Machines that take the "ell" out of Shovelling. For Portable Conveyers. 7,251; Mar. 18.
Krank, Alfred J., St. Paul, Minn. Kranks Skin-Health Face Powder. For Face Powder. 7,252; Mar. 18.
Roper, Geo. D., Corporation, Rockford, Ill. Roper Complete Oven Control. For Gas and Electric Ranges. 7,253; Mar. 18.
Sealright Co., Inc., Fulton, N. Y. Ice Cream's the one Sure bet. For Paper Boxes. 7,254; Mar. 18.
Sealright Co., Inc., Fulton, N. Y. Be Thankful for Ice Cream. For Paper Boxes. 7,255; Mar. 18.
World Amusement Service Association, Chicago, Ill. Tokyo Through Quake and Fire. For Fireworks Spectacles. 7,256; Mar. 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Absorene Manufacturing Company, The, St. Louis, Mo. Product for removing paint and varnish from brushes and hardwood floors. 190,438; Mar. 18.
Acme Mills, The, doing business as Kentucky Milling Co., Hopkinsville, Ky. Self-rising flour. 191,461; Mar. 18.
Acme Products Company, New Orleans and De Quincy, La. Rosin. 173,065; Mar. 18.
Aetna Automatic Oil Burner, Incorporated. (See Schemlinger, John, jr., assignor.)
Allegheny Butter Co. (See Antony, Cornelius W.)
American Printing Company, Fall River, Mass. Cotton piece goods. 187,186; Mar. 18.
Antony, Cornelius W., doing business as Allegheny Butter Co., Pittsburgh, Pa. Butter. 189,879; Mar. 18.
Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Clothes ironing and washing machines. 188,515; Mar. 18.
Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electric suction cleaners. 188,520; Mar. 18.
Appelbaum, Isaac, Philadelphia, Pa. Outer garments. 191,118; Mar. 18.
Art Silk Knitting Mills, West New York, N. J. Women's, misses', and girls' dresses. 186,626; Mar. 18.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Soap. 189,229; Mar. 18.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. House dresses and nurses' uniforms. 189,230; Mar. 18.
Atlantic Mills, Providence, R. I. Woolen, cotton, and woolen and cotton piece goods. 191,470; Mar. 18.
Atlas Bread Factory, Milwaukee, Wis. Bread. 170,615; Mar. 18.
Autocall Company, The, Shelby, Ohio. Apparatus and equipment in paging service, fire-alarm service, watchmen's supervisory service, etc. 189,546; Mar. 18.
Automat-Industrie-Gesellschaft m. b. H., Vienna, Austria. Boring machines, clutches, bore chucks, etc. 181,805; Mar. 18.
Baker, Carrie E., Chicago, Ill. Medical compound. 186,823; Mar. 18.
Bates, Herbert B., doing business as Canton Butter & Egg Co., Canton, Ohio. Butter and asparagus. 168,750; Mar. 18.
Bead Chain Manufacturing Company, Bridgeport, Conn. Chains of nonprecious metal, plumbing chains, and key rings. 190,489; Mar. 18.
Belknap Mfg. Co., The, Bridgeport, Conn. Metal valves for pipe lines and the like. 191,051; Mar. 18.
Bilt Manufacturing Company, The. (See Witte, Otto A.)
Biltrite Collar Company, New York, N. Y. Men's collars. 191,360; Mar. 18.
Bird, Alfred, and Sons, Limited, Birmingham, England. Dessert powder. 187,033; Mar. 18.
Blue Valley Creamery Co., Chicago, Ill. Butter. 172,367; Mar. 18.
Bowles, Frank A., also doing business as Bowles Bros. Co., Los Angeles, Calif. Self-rising buckwheat flour and buckwheat flour. 171,898; Mar. 18.
Bridgeman-Russell Co., Duluth, Minn. Butter and eggs. 191,525; Mar. 18.
Bridgman-Rudge, New York, N. Y. Greeting folders. 190,660; Mar. 18.
Brothers, James, Atlantic City, N. J. Candies and ice cream. 187,866; Mar. 18.
Brothers, James, Atlantic City, N. J. Candy. 187,867; Mar. 18.
Brown, James T., Omaha, Nebr. Tire protectors. 183,330; Mar. 18.
Buckfield Plantation. (See Kress, Claude W.)
Bugg, Mary V., Atlantic City, N. J. Fudge and candies. 171,683; Mar. 18.
Bullard Machine Tool Co., The, Bridgeport, Conn. Metal-working machines and particularly of the multiple-spindle vertical type. 189,658; Mar. 18.
Bulova Watch Company, Inc., New York, N. Y. Watches. 190,829; Mar. 18.
Business Round Table, The. (See Krog, Bernard.)
Busse Baking Company, South Bend, Ind. Bread. 181,557; Mar. 18.
Calo Dome Laboratories, Inc., New York, N. Y. Hair lotion and massage cream. 190,910; Mar. 18.
Canby, Ach & Canby Co., The, Dayton, Ohio. Salad mustard. 190,233; Mar. 18.
Canton Butter & Egg Co. (See Bates, Herbert B.)
Chakejian, Sarkis N., New York, N. Y. Preparation to remove stains and the shine in clothing. 189,490; Mar. 18.
Cheer Leader & Co., The, Cincinnati, Ohio. Inspiration cards. 189,387; Mar. 18.
Chicago Grain Products Co., Chicago, Ill. Pure grain alcohol. 190,576; Mar. 18.
Chopak Textile Co., Inc., New York, N. Y. Artificial-silk fabrics. 189,932; Mar. 18.
Cleantru Products Co. (See Ledner, Chas.)
Coast Garment Co., Tacoma, Wash. Wash dresses. 178,375; Mar. 18.
Cob Company, New York, N. Y. Deodorant toilet preparation. 190,957; Mar. 18.
Cohen, Bernard, New York, N. Y. Pearls. 190,282; Mar. 18.
Cohn-Goldwater Company, Los Angeles, Calif. Shirts, nightshirts, pyjamas; boys' and women's blouses. 190,331; Mar. 18.
Colgrove, J. H., Co., Inc., The, Canaseraga, N. Y. Cattle and chicken foods. 191,673; Mar. 18.
Comalt Co. Inc., The, Glendale, Calif. Chocolate malted milk. 189,760; Mar. 18.
Commercial Art Service. (See Miller, George L.)
Cordts, Charles J., Brooklyn, N. Y. Candy. 183,096; Mar. 18.
Corn Products Refining Company, New York, N. Y. Corn-sugar molasses. 191,170; Mar. 18.
Cosby, W. M., Flour & Grain Co., Birmingham, Ala. Dairy, chicken, and stock feeds. 181,817; Mar. 18.
Cough Syrup Laboratories. (See Murphy, L. J.)
Craigulator Service Corporation, Providence, R. I. Coal furnaces, heaters, and draft attachments, etc. 187,406; Mar. 18.
Cra-Mi Company, Wilson, N. C. Blood tonic, medicines for piles, gonorrhea, etc., and an insecticide. 190,678; Mar. 18.
Cranston-Liggett Grain & Feed Company, Leavenworth, Kans. Poultry, stock, chick, etc., feeds and fattening and egg mash. 191,602; Mar. 18.
Creola Company, The. (See Union Pharmacal Company.)
Creston & Demby, New York, N. Y. Ladies' muslin and silk undergarments. 183,821; Mar. 18.
Crockford, Joseph R., doing business as The Decorite Co., Boston, Mass. Coating for plastered walls, producing a glazelike film. 179,854; Mar. 18.
Crockford, Joseph R., doing business as The Decorite Co., Boston, Mass. Powder for mixing with water and applying to walls and ceilings. 179,856; Mar. 18.
Crofts & Reed Co., Chicago, Ill. Soap and cream shaving soap. 188,408; Mar. 18.
Crugers, Inc., New York, N. Y. Outer clothing for men. 183,364; Mar. 18.
Crystal Candy Co., Winston-Salem, N. C. Candy. 189,883; Mar. 18.
Curtis 1000 Incorporated, St. Paul, Minn. Envelopes, letter paper, blank books, etc. 190,577; Mar. 18.
Curtiss Candy Company, Chicago, Ill. Candy. 190,008; Mar. 18.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Soaps, soap pastes, and soap powders. 186,113; Mar. 18.
Decorite Co., The. (See Crockford, Joseph R.)
Delphos Milling Co, The, Delphos, Kans. Wheat flour, wheat Graham flour, corn meal. 191,477; Mar. 18.
Dimmer Mfg. Co., The. (See Merritt, James A.)
Double Service Washing Machine Company, Newark, N. J. Washing machines. 179,858; Mar. 18.

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Dow, Louis F., Company, St. Paul, Minn. Pencils. 187,610; Mar. 18.
Drouin, Gedea G., Montreal, Canada. Hats and caps for men and women. 186,357; Mar. 18.
Dunn & Thompson, Raleigh, N. C. Canned beans, peas, and coffee. 190,238; Mar. 18.
Dwyer, George, New York, N. Y. Dresses, gowns, frocks, and suits. 191,123; Mar. 18.
Eagle Carburetor Company, The, Cleveland, Ohio. Filament-heating transformers and parts thereof. 188,897; Mar. 18.
Eagle Carburetor Company, The, Cleveland, Ohio. Battery-charging apparatus and parts thereof. 189,155; Mar. 18.
Ebert, John, New York, N. Y. Scalp salve. 191,124; Mar. 18.
Ebling Company, The, New York, N. Y. Malt sirup. 189,887; Mar. 18.
Electrical Research Laboratories, Chicago, Ill. Radio electrical appliances and component parts thereof. 188,954–7; Mar. 18.
Elgin National Watch Company, Chicago, Ill. Watches and watchcases. 189,497; Mar. 18.
Elhart Co., The, New York, N. Y. Play suits, wash suits, flapper suits, baseball suits, etc. 189,711; Mar. 18.
Elkonite Soap Co., Oakland, Calif. Soap powder. 188,187; Mar. 18.
Erisman Laboratories, The, New York, N. Y. Crystal detectors and rectifiers. 190,248; Mar. 18.
Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux, Paris, France. Essential oils, perfumes, and synthetic perfume materials. 190,962; Mar. 18.
Fabriques Movado, La Chaux-de-Fonds, Switzerland. Watches and parts thereof. 188,628; Mar. 18.
Favaloro, F. G., Sons Inc., New Orleans, La. Tomato paste. 189,189–90; Mar. 18.
Featherweight Products Corporation, New York, N. Y. Infants' waterproofed pants. 191,063; Mar. 18.
Federal Mill & Elevator Co., Inc., Lockport, N. Y. Wheat flour. 191,610; Mar. 18.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Compressed yeast. 147,019; Mar. 18.
Flint & Walling Mfg. Co., Kendallville, Ind. Wind, gas, etc., motors, transmission gearing, cylinders, etc. 186,985; Mar. 18.
Flower, Lorenzo F., Bayard, Nebr. Coffee, tea, cocoa, pepper, etc. 190,249; Mar. 18.
Ford Mica Company, Incorporated, New York, N. Y. Audiofrequency transformer for use in radio sets. 188,673; Mar. 18.
Frazier, George S., Sebring, Ohio. Rubber seat pads. 189,772; Mar. 18.
Freedman, A., & Sons, Inc., Brockton, Mass. Boots and shoes. 188,863; Mar. 18.
Friedrich, Charles A., doing business as Radio Accessories Company, Long Island City, N. Y. Electrical apparatus. 191,126; Mar. 18.
Fucoma Company, Incorporated, New York, N. Y. Butter-fat-testing and moisture-testing apparatuses and instruments and parts thereof, etc. 188,751; Mar. 18.
Garfield Worsted Mills, Garfield, N. J. Worsted dress goods. 188,198–200; Mar. 18.
Gates Home Made Candy Company, The, Philadelphia, Pa. Chocolates. 181,340; Mar. 18.
Giant Spring Bumper Co., Inc., New York, N. Y. Spring bumpers for automobiles. 190,332; Mar. 18.
Gisholt Machine Company, Madison, Wis. Reamers. 189,669; Mar. 18.
Gristede Bros. Inc., New York, N. Y. Canned vegetables. 170,283; Mar. 18.
Grushlaw & Sichel, Philadelphia, Pa. Knitted sport coats, vests, and sweaters for men. 190,454; Mar. 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk, cotton, linen, and woolen piece goods. 191,880; Mar. 18.
Harris, Arthur, & Company, Chicago, Ill. Bearing metal. 185,580; Mar. 18.
Hawaiian Pineapple Company, Ltd., Iwilei, Hawaii, and San Francisco, Calif. Canned pineapple, fruit butters, and marmalade. 189,311; Mar. 18.
Hermes Manufacturing Company, Chicago, Ill. Shoe-shining machines. 155,499; Mar. 18.
Herschkowitz, Otto, Newark, N. J. Vacuum tubes for use with wireless apparatus. 191,315; Mar. 18.
Herschman, Robert H., doing business as Victor Radio Manufacturing Co., New York, N. Y. Electrical apparatus. 190,720; Mar. 18.
Heyman & Bissinger Inc., New York, N. Y. Hosiery. 190,727; Mar. 18.
High Point Overall Co., High Point, N. C. Overalls, coats, jumpers, pants, and work shirts. 189,053; Mar. 18.
Hoffman-Carr Manufacturing Co., New York, N. Y. Complete radio sets. 190,686; Mar. 18.
Holland Maid Co., The, Holland, Mich. Laundry washing and ironing machines. 188,907; Mar. 18.
Holmes, Bettie F., New York, N. Y. Boudoir, bathing, and dusting caps. 174,394; Mar. 18.
Home Supply Company, New York, N. Y. Chocolates and candies. 191,021; Mar. 18.
Horlick's Malted Milk Company, Racine, Wis. Malted milk. 190,054; Mar. 18.
Howind, Henry E., Chicago, Ill. Treated cloths and waste for polishing and cleaning metal and treated cloths for cleaning and polishing furniture. 189,459; Mar. 18.
Hoyt, Francis R., assignor to The Willson Co., New York, N. Y. Radio coupling transformer. 190,297; Mar. 18.
Hutchison, Marvin C., doing business as Marvine Co., St. Louis, Mo. Medicated tooth paste and preparation for pyorrhea. 191,129; Mar. 18.
Ica, Aktiengesellschaft, Dresden, Germany. Motion-picture camera for standard films and accessories for this camera. 189,350; Mar. 18.
Intarvia Co., Inc., Long Island City, N. Y. Dietetic fat compound for treatment of diabetes. 187,061; Mar. 18.
Interocean Oil Company, The, Pierre, S. Dak., and New York, N. Y. Gasoline. 184,859; Mar. 18.
Iridium Point Pen Co. (See Snow, Jack D.)
Jaburg Bros. Inc., New York, N. Y. Cakes and cake mixture. 191,488; Mar. 18.
Just Born, Inc., New York, N. Y. Candies and chocolates. 190,166; Mar. 18.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Leather shoes and slippers. 179,373; Mar. 18.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Shoes and slippers. 190,728; Mar. 18.
Kayser, Julius, & Co., New York, N. Y. Fabric gloves. 188,419; Mar. 18.
Keach and Greene, Philadelphia, Pa. Attachment for the protection of the reed of a saxophone, etc. 188,632; Mar. 18.
Kentucky Milling Co. (See Acme Mills, The.)
Kiddie Rekord Company, Inc., Plainfield, N. J. Phonograph records. 174,695; Mar. 18.
King Candy Co., Fort Worth, Tex. Candy. 170,586; Mar. 18.
King, John, & Son, Glasgow, Scotland. Cotton window hollands. 186,193; Mar. 18.
King Profit Sharing Seed Company, Inc., Richmond, Va. Cottonseed. 188,314; Mar. 18.
Klebanoff, David, Philadelphia, Pa. Pills or tablets for constipation. 190,887; Mar. 18.
Kleppinger, R. O., doing business as The Mineralized Yeast Mills, Ingomar, Ohio. Animal feed. 190,416; Mar. 18.
Kober, Fritz, doing business as Wilh. Kober & Co., Suhl, Germany. Hair-cutting machines, safety razors, corn cutters, etc. 188,276; Mar. 18.
Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis, Budweis, Czechoslovakia. Copying-ink pencils. 189,791; Mar. 18.
Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis, Budweis, Czechoslovakia. Copying, colored chalk, propelling, etc., pencils, etc. 189,792; Mar. 18.
Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis, Budweis, Czechoslovakia. Pencils, pencil refills, and penholders. 189,794; Mar. 18.
Kohn, Alfred A., New York, N. Y. Shoes. 190,347; Mar. 18.
Kress, Claude W., doing business as Buckfield Plantation, Yemassee, S. C. Cabbage, tomatoes, beans, etc. 170,936; Mar. 18.
Krog, Bernard, doing business as The Business Round Table (Not Incorporated), Chicago, Ill. Semimonthly publications. 173,501–2; Mar. 18.
Lamb, Thomas B., New York, N. Y. Soap. 190,547; Mar. 18.
Lambert, M. Henry, New York, N. Y. Overcoats, suits, raincoats. 190,299; Mar. 18.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 191,329; Mar. 18.
Ledner, Chas., doing business as Cleantru Products Co., New York, N. Y. Cleaner for jewelry, silverware, woodwork, etc. 190,107; Mar. 18.
Le May, L. J., Company, Incorporated, Rochester, N. Y. Canned fruits and vegetables. 190,505; Mar. 18.
Lesser, M. A., New York, N. Y. Sweaters, bathing suits, and hosiery. 188,156; Mar. 18.
Long, William E., Hammond, Ind. Trading stamps. 190,693; Mar. 18.
Louisiana Oil Refining Corporation, Richmond, Va., and Shreveport, La. Gasoline, kerosene, naphtha, fuel oils, etc. 190,844–5; Mar. 18.
Luminite Corporation, The, Newark, N. J. Watches and clocks. 190,057; Mar. 18.
Lytton, Walter, Inc., Chicago, Ill. Radio receiving sets. 187,947; Mar. 18.
Maillard & Schmiedell, San Francisco, Calif. Canned fish. 173,774; Mar. 18.
Malhamé, Bichara, Paris, France. Perfumes, toilet waters, face powder, etc. 190,385; Mar. 18.
Manhattan Corset Company, New York, N. Y. Corsets. 189,132; Mar. 18.
Marvine Co. (See Hutchison, Marvin C.)
McMakin, Edward S., Kalamazoo, Mich. Lubricating oil. 189,510; Mar. 18.

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Mead Johnson & Company, Evansville, Ind. Specially-prepared food for infants. 180,479; Mar. 18.
Memphis Potato Chip Company. (See Mosher, Harry E.)
Mercury Radio Products Company, Little Falls, N. J. Radio receiving sets, transformers, loops, and sockets. 188,601; Mar. 18.
Merritt, James A., doing business as The Dimmer Mfg. Co., Colorado Springs, Colo. Electric switch. 184,176; Mar. 18.
Meyers, John B., Hudson, Iowa. Poisoned kernels to kill rodents, etc. 190,698; Mar. 18.
Miller, Alton L., doing business as Charles N. Miller Co., Boston, Mass. Candies. 190,120; Mar. 18.
Miller, Charley H., Slidell, La. Face lotion for sunburn, etc. 191,134; Mar. 18.
Miller, George L., doing business as Commercial Art Service, Decatur, Ill. Commercial art posters. 190,201; Mar. 18.
Mincel, Fernand C. G., Paris, France. Dry flongs for printing. 185,225; Mar. 18.
Mineralized Yeast Mills, The. (See Kleppinger, R. O.)
Minute Tapioca Company, Orange, Mass. Tropical fruits. 182,382; Mar. 18.
Moore Shoe Company, The, St. Louis, Mo. Shoes. 182,985; Mar. 18.
Mosher, Harry E., doing business as Memphis Potato Chip Company, Memphis, Tenn. Potato chips and horseradish. 190,803; Mar. 18.
Multiple Electric Products Company, New York, N. Y. Radio loud speakers. 189,371; Mar. 18.
Murphy, L. J., doing business as Cough Syrup Laboratories, Chicago, Ill. Cough medicine for children. 190,739; Mar. 18.
Murray Company, The, Boston, Mass. Preparations of cocoa, chocolate, sugar, and milk, in powdered form. 190,550; Mar. 18.
Myrurgia, S. A., Barcelona, Spain. Toilet soaps. 159,370; Mar. 18.
Mystyle Hosiery Shops, Inc., Atlanta, Ga. Hosiery. 188,022; Mar. 18.
Napiers Booterie, Omaha, Nebr. Leather boots and shoes. 179,417; Mar. 18.
National Carbon Company, Inc., New York, N. Y. Dry batteries. 190,202; Mar. 18.
National Pecan Growers Exchange, Albany, Ga. Pecans. 185,875; Mar. 18.
New York Transportation Co., New York, N. Y. Motor busses. 189,576; Mar. 18.
Nitram Products Company Inc., The, Paterson, N. J. Platinum-substitute wire and tubulated wires for electrical purposes. 189,577; Mar. 18.
Nonik Glassware Corporation, The, New York, N. Y. Table glassware. 189,007; Mar. 18.
Norse Crown Canning Co., Inc., New York, N. Y. Canned herrings. 185,488; Mar. 18.
North Star Coffee Co., Mankato, Minn. Coffee. 178,457; Mar. 18.
Northern Engraving Company, La Crosse, Wis. Ammeters for automobiles. 190,310; Mar. 18.
Northern Jobbing Company, Chicago, Ill. Coffee. 170,336; Mar. 18.
Northwestern Products Corporation, Chehalis, Wash. Soap. 190,894; Mar. 18.
Norway, William M., Cairo, Ill. Medicine for chills and fever. 190,975; Mar. 18.
Page, Herbert P., doing business as Sparky Manufacturing Co., Boston, Mass. Ice-cream sandwiches, cake, ice cream, etc. 187,439; Mar. 18.
Pandow Watch Co. (See Prutinsky, I. & S., & Woolf.)
Parfumerie Caron. (See Daltroff, E., & Cie.)
Patrick, F. A., & Co., Duluth, Minn. Hose supporters, suspenders, garters, half sleeves, etc. 191,402; Mar. 18.
Pearl Radio Corporation, Philadelphia, Pa. Variometers, variocouplers, transformers, etc. 188,970; Mar. 18.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Cotton piece goods. 191,505; Mar. 18.
Peoria Tent & Awning Company, Peoria, Ill. Canvas and canvas duck. 172,614; Mar. 18.
Pfaffmann Egg Noodle Company, The, Cleveland, Ohio. Edible shells made of cooked alimentary paste. 191,447; Mar. 18.
Pierce, S. S., Co., Boston, Mass. Pipes. 174,857; Mar. 18.
Plymouth Citrus Growers Ass'n, Plymouth, Fla. Fresh citrous fruits. 189,583; Mar. 18.
Prestidge Fruit Co., Cutler, Calif. Fresh deciduous fruits. 183,991; Mar. 18.
Prindle, Frank M., doing business as Frank M. Prindle & Co., New York, N. Y. Face powder. 190,978; Mar. 18.
Protectometer Company, The, Jersey City, N. J. Devices for indicating temperatures within coal piles. 181,454; Mar. 18.
Prutinsky, I. & S., & Woolf, doing business as Pandow Watch Co., New York, N. Y. Watches, watch cases and movements. 189,520; Mar. 18.
Quaker Oats Company, The, Chicago, Ill. Stock feed. 188,567; Mar. 18.
Quinlan, H. T., & Company, St. Paul, Minn. Grocery products. 174,752; Mar. 18.
Radio Accessories Company. (See Friedrich, Charles A.)
Radionograph Corporation of America, New York, N. Y. Complete radio receiving sets using phonographs. 188,972; Mar. 18.
Rail Welding & Bonding Company, Cleveland, Ohio. Rail bonds. 186,157; Mar. 18.
Rankin, E. B., Los Angeles, Calif. Identification equipments. 186,199; Mar. 18.
Ringless Piston and Supply Company, The, Topeka, Kans. Pistons for engines. 190,208; Mar. 18.
Riverside Manufacturing Company. Moultrie, Ga. Overalls, jackets, and one-piece garments. 191,096; Mar. 18.
Riverside Manufacturing Company, Monitrie, Ga. Children's play suits. 191,097; Mar. 18.
Roberts Bros. & Company, Zolfo, Fla. Oranges, grapefruit, tangerines, etc. 190,611; Mar. 18.
Robinson, Robert, San Francisco, Calif. Laxative pills. 191,141; Mar. 18.
Roland & Koch, Los Angeles, Calif. Oiling systems for internal-combustion motors. 175,271; Mar. 18.
Ronald Press Company, The, New York, N. Y. Books. 190,061–4; Mar. 18.
Rosenau Bros. Inc., Philadelphia, Pa. Children's dresses. 190,131; Mar. 18.
Rubber Service Laboratories Company, The, Akron, Ohio. Compounded mixture of animal, vegetable, or mineral oils. 177,625; Mar. 18.
Rupp, William H., Fort Wayne, Ind. Candy. 189,989; Mar. 18.
Samstag & Hilder Bros., New York, N. Y. Imitation pearls. 181,616; Mar. 18.
Sargent, John E., Morgan, Ky. Systems for supplying water. 189,919; Mar. 18.
Satin-Klasp Manufacturing Co., Salt Lake City, Utah. Hand lotion. 190,743; Mar. 18.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Electric controlling devices for hydrocarbon burners. 188,574; Mar. 18.
Schultz, Baujan & Company, Beardstown, Ill. Wheat flour. 179,226; Mar. 18.
Scotch Oil Company, Madison, Wis. Cleaning oil and floor polish. 190,655; Mar. 18.
Sec Tron Radio Co., The, Cleveland, Ohio. Radio receiving sets. 188,974; Mar. 18.
Seed Trade News, Inc., Chicago, Ill. Weekly trade publication. 190,432; Mar. 18.
Seidenberg, R. J., Company, Buffalo, N. Y. Cigars, cigarettes, cheroots, and smoking tobacco. 191,350; Mar. 18.
Serdel Chemical Company, Jersey City, N. J. Colloidal metallic mercury medicinal preparation. 190,982; Mar. 18.
Sheppard, Alex., and Sons, Inc., Philadelphia, Pa. Roasted coffee. 189,014; Mar. 18.
Sherman and Allen, New York, N. Y. Rotatable dice and other game counters. 174,055; Mar. 18.
Shevlin, James A., doing business as Shevlin's Oyster and Chop House, Cincinnati, Ohio. Fresh and canned fish, oysters, and lobsters. 174,113; Mar. 18.
Shultz, Joseph, Rochester, N. Y. Ladies' coats and capes. 179,117; Mar. 18.
Silberstein, J. D., & Sons, Inc., New York, N. Y. Negligee and work shirts. 186,678; Mar. 18.
Snow, Jack D., doing business as Iridium Point Pen Co., New York, N. Y. Fountain pens. 187,882; Mar. 18.
Società Anonima Bonifiche Pontine, Rome, Italy. Peeled tomatoes. 180,267; Mar. 18.
Societe Anonyme Fabrique d'Horlogerie Fritz Moeri, St. Imier, Switzerland. Watches, watch movements, and parts of same. 188,776–7; Mar. 18.
Sparky Manufacturing Co. (See Page, Herbert P.)
Squire, Paul C., Boston, Mass. Scrapple, hams, and bacon. 174,982; Mar. 18.
Staar Storage Battery Co., Chicago, Ill. Storage, radio, ignition, and lighting batteries. 188,936; Mar. 18.
Star Knitting Mills, Inc., New York, N. Y. Neckties and scarfs. 190,391; Mar. 18.
Stecker, Inc., Philadelphia, Pa. Ladies' dresses, waists, and coats. 185,096; Mar. 18.
Steinweader, Stoffregen & Co., New York, N. Y. Green coffee. 173,941–2; Mar. 18.
Studdy, George E., London, England. Cinema films, lanterns, etc. 190,748; Mar. 18.
Sussman, Wormser & Co., San Francisco, Calif. Whole figs canned. 188,449; Mar. 18.
Swinney and Swinney, Sacramento, Calif. Cake icing. 190,519; Mar. 18.
Taunton Pearl Works, Inc., Taunton, Mass. Cuff and collar buttons, tie holders, scarf pins, etc. 156,203; Mar. 18.
Taylors, John, Limited, Huddersfield, England. Cloths and stuffs of wool, worsted, or hair. 190,986; Mar. 18.
Thibodeau, A. F., Company, Inc., Detroit, Mich. Creamery butter. 188,283; Mar. 18.
Thompson Milling Co., Lockport, N. Y. Wheat flour. 189,740; Mar. 18.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Lubricating oils. 182,159–60; Mar. 18.
Tiedemann, Theo., & Sons, Inc., New York, N. Y. Artificial-silk piece goods. 191,851; Mar. 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tiedemann, Theo., & Sons, Inc., New York, N. Y. Artificial-silk piece goods. 191,853; Mar. 18.
Tiedemann, Theo., & Sons, Inc., New York, N. Y. Artificial-silk piece goods. 191,855; Mar. 18.
Todd, E. M., Co., Richmond, Va. Hams and bacon. 177,635; Mar. 18.
Tornabell Export Corporation, New York, N. Y. Soap for dyeing fabrics. 191,044; Mar. 18.
True Shape Hosiery Company, Philadelphia, Pa. Children's hosiery. 176,534; Mar. 18.
Trumbull Steel Company, The, Warren, Ohio. Coke tin plate, one-pass cold-rolled black sheets, etc. 187,550; Mar. 18.
Union Pharmacal Company, doing business as The Creola Company, Kansas City, Mo. Cosmetic. 191,046; Mar. 18.
United Lined Tube & Valve Co., Boston, Mass. Metal pipes. 190,320; Mar. 18.
Velv Company, The, Chicago, Ill. Nose cream. 191,046; Mar. 18.
Victor Radio Manufacturing Co. (See Herschman, Robert H.)
Viquesney, Ernest M., Spencer, Ind. Electric-lighting fixtures. 185,884; Mar. 18.
Wagenfohr, Charles, Co., New York, N. Y. Game. 188,032; Mar. 18.
Walker, James E., doing business as J. E. Walker & Co., Avoca, N. Y. Raw potatoes. 190,364; Mar. 18.
Weisberg, Benjamin, Philadelphia, Pa. Neckties. 189,541; Mar. 18.
Wenglein's, H. J., Norica- Herold-Werke Nürnberg-Schwabacher Nadelfabriken G. m. b. H., Nuremberg, Germany. Hairpins, hand sewing needles, snap fasteners, etc. 176,662; Mar. 18.
Whitaker Paper Company, The, Cincinnati, Ohio. Toilet paper. 190,860; Mar. 18.
Willey, C. A., Company, Long Island City, N. Y. Thinners, colors, varnishes, and ready-mixed paint. 191,457; Mar. 18.
Willson Co., The. (See Hoyt, Francis R., assignor.)
Wimberly & Thomas Hardware Company, Birmingham, Ala. Pocketknives, razors, scissors, shears, scythes, etc. 189,542; Mar. 18.
Windsor Soap Co., Inc., Buffalo, N. Y. Soap. 190,823; Mar. 18.
Witte, Otto A., doing business as The Biff Manufacturing Company, Grand Rapids, Mich. Soap solutions and cleansing compounds. 181,096; Mar. 18.
Wood, T. W., & Sons, Richmond, Va. Ensilage corn. 167,791; Mar. 18.
Woodbridge Fruit Company, Woodbridge, Calif. Fresh grapes, deciduous fruits, and berries. 182,950; Mar. 18.
Woodruff Printing Company, Lincoln, Nebr. Portfolios. 190,902; Mar. 18.
World Bottling Co., Ltd., New Orleans, La. Beverage sold as a soft drink. 189,022; Mar. 18.
World Coffee Company, Pittsburgh, Pa. Roasted, ground, and unground coffee. 180,201–2; Mar. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Victor-American Fuel Company. 181,290; Mar. 18; Serial No. 164,474; published Apr. 17, 1923.
Sand and ground fire clay. E. C. Humphreys & Brother Co. 181,346; Mar. 18; Serial No. 179,206; published Jan. 1, 1924.
Seed, Tobacco. Alex Layton & Sons. 181,523; Mar. 18.

CLASS 3.

Fiber, leather board, leatheroid, and trunks and other articles made therefrom. Josiah Cummings Son & Co. 24,843; renewed June 12, 1924.

CLASS 4.

Belt dressing. White & Bagley Company. 25,014; renewed July 17, 1924.
Cleansing compositions and spot removers. Westkin Corporation. 181,342; Mar. 18; Serial No. 176,701; published Jan. 1, 1924.
Paper cleaner, Wall. Kroger Grocery & Baking Co. 181,407; Mar. 18; Serial No. 187,224; published Jan. 1, 1924.
Shaving compound. S. I. Barnett. 181,248; Mar. 18; Serial No. 180,099; published Jan. 1, 1924.
Soap, Laundry. Concentrated Products Corporation. 181,405; Mar. 18; Serial No. 187,150; published Dec. 26, 1923.
Soaps. Davis & Lawrence Co. 181,485; Mar. 18; Serial No. 181,822; published Jan. 1, 1924.
Washing powder, Cloth-. F. Tokecsky. 181,373; Mar. 18; Serial No. 178,513; published Jan. 1, 1924.

CLASS 6.

Anesthetic for use in extracting teeth. L. A. Finkelstein. 181,323; Mar. 18; Serial No. 183,265; published Jan. 8, 1924.
Antiseptic, General. Chloraphen Chemical Co. 181,465; Mar. 18; Serial No. 187,562; published Dec. 25, 1923.
Antiseptic powder. M. G. Gibbs. 181,242; Mar. 18; Serial No. 184,907; published Jan. 1, 1924.
Antiseptics. Laboratory of Research Chemotherapy. 181,207; Mar. 18; Serial No. 186,137; published Jan. 1, 1924.
Attar of roses. Ungerer & Company. 181,223; Mar. 18; Serial No. 187,596; published Jan. 8, 1924.
Baking powder. Hinman & Company. 181,239; Mar. 18; Serial No. 184,012; published Jan. 1, 1924.
Baking powder, bluing, lye, and laundry starch. Joannes Bros. Co. 181,442; Mar. 18; Serial No. 172,878; published Jnue 26, 1923.
Beauty paste and hair tonic. A. H. Thompson. 181,387; Mar. 18; Serial No. 173,219; published Aug. 14, 1923.
Bleach and beauty pack, Facial. F. St. Ana. 181,461; Mar. 18; Serial No. 187,488; published Dec. 25, 1923.
Carbons, Filtering, clarifying, and deodorizing. Suchar Process Corporation. 181,320; Mar. 18; Serial No. 183,008; published Nov. 20, 1923.
Catarrh cream, nasal spray, and preparation for removing corns. M. G. Gibbs. 181,278; Mar. 18; Serial No. 184,904; published Jan. 1, 1924.
Colloidal hydroxide of aluminum. Wander Company. 181,317; Mar. 18; Serial No. 186,451; published Jan. 1, 1924.
Compound for treatment of mange-infected hogs. P. A. Bragg. 181,267; Mar. 18; Serial No. 184,539; published Jan. 1, 1924.
Cream and wrinkle remover and face powder, Cleansing. V. McDonald. 181,324; Mar. 18; Serial No. 183,301; published Jan. 1, 1924.
Cream, Cold. M. Ross. 181,228; Mar. 18; Serial No. 188,134; published Jan. 1, 1924.
Cream, Cold. O. A. Van Horn. 181,305; Mar. 18; Serial No. 185,042; published Jan. 1, 1924.
Creams, complexion bags, and hand lotion. A. B. Gray. 181,468; Mar. 18; Serial No. 187,621; published Dec. 25, 1923.
Creams, Tissue. H. L. Drew. 181,458; Mar. 18; Serial No. 187,406; published Dec. 25, 1923.
Deodorant preparations. B. M. Harrison. 181,268; Mar. 18; Serial No. 184,549; published Jan. 1, 1924.
Deodorant toilet powders. E. C. Parker. 181,209; Mar. 18; Serial No. 186,152; published Jan. 1, 1924.
Dobell's solution, witch-hazel, chloroform, etc. Emlet-Winebrenner Co. 181,293; Mar. 18; Serial No. 166,052; published Nov. 6, 1923.
Embalming fluid. Rex Laboratories. 181,379; Mar. 18; Serial No. 160,435; published Oct. 17, 1922.
Face powder. A. Bourjois & Co. 181,215; Mar. 18; Serial No. 187,909; published Jan. 8, 1924.
Filtration and in decmulsification of liquids, Material used in aiding. Celite Products Company. 181,463; Mar. 18; Serial No. 187,505; published Dec. 25, 1923.
Gas-producing liquid, Noxious-. H. B. Dyer. 181,233; Mar. 18; Serial No. 182,963; published Dec. 25, 1923.
Hair shampoo, hair curling and dyeing liquids, rouge, etc. L. B. Simonson. 181,322; Mar. 18; Serial No. 183,169; published Jan. 1, 1924.
Hair stimulator. B. E. Davis. 181,521; Mar. 18.
Hair tonic, Quinine. C. E. Hoffman Co. 181,252; Mar. 18; Serial No. 178,103; published Jan. 8, 1924.
Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. 181,505; Mar. 18; Serial No. 187,921; published Jan. 8, 1924.
Incense and incense candles. J. W. Darley, jr. 181,454; Mar. 18; Serial No. 187,375; published Dec. 25, 1923.
Inhalant for the relief of cold in the head. Thomas Kerfoot & Co. 181,259; Mar. 18; Serial No. 187,424; published Dec. 25, 1923.
Injection, Nonirritating urethral. A. M. Rovin. 181,308; Mar. 18; Serial No. 185,878; published Jan. 1, 1924.
Laxative in candy form. S. Longo. 181,452; Mar. 18; Serial No. 187,322; published Dec. 25, 1923.
Laxative remedy, Proprietary. American Chemical & Drug Co. 181,226; Mar. 18; Serial No. 183,085; published Jan. 8, 1924.
Laxatives. C. Menaugh. 181,361; Mar. 18; Serial No. 185,183; published Jan. 8, 1924.
Liniment. Felborn Pharmacal Co. 181,262; Mar. 18; Serial No. 184,239; published Jan. 1, 1924.
Lotion, After-shaving. H. E. Valentine. 181,509; Mar. 18.

Lotion for the face and hands. X-Tol Products Company. 181,469; Mar. 18; Serial No. 175,752; published May 29, 1923.
Lotion, Reducing. Andrews & Pledger. 181,368; Mar. 18; Serial No. 185,508; published Jan. 1, 1924.
Lotion, Skin. M. G. Gibbs. 181,241; Mar. 18; Serial No. 184,906; published Jan. 1, 1924.
Medicinal compound. T. Koenig. 181,232; Mar. 18; Serial No. 182,830; published Jan. 1, 1924.
Medicinal preparation for barber's itch. T. H. Barekman. 181,457; Mar. 18; Serial No. 187,403; published Dec. 25, 1923.
Medicinal preparation for piles. G. P. Rutherford. 181,212; Mar. 18; Serial No. 185,043; published Jan. 1, 1924.
Medicinal preparation for use in massaging and bathing. Sharp & Dohme. 181,223; Mar. 18; Serial No. 157,112; published Mar. 28, 1922.
Medicine. A. J. Calajoe. 181,427; Mar. 18; Serial No. 185,267; published Jan. 1, 1924.
Medicine. H. J. Williamson. 181,311; Mar. 18; Serial No. 186,342; published Jan. 8, 1924.
Medicine for cuts, burns, etc. Seyler Medicine Co. 181,464; Mar. 18; Serial No. 187,544; published Dec. 25, 1923.
Medicine for diseased feet. Ransom Chemical Company. 181,443; Mar. 18; Serial No. 185,722; published Jan. 1, 1924.
Medicine for distemper of dogs. W. C. Ahrens. 181,307; Mar. 18; Serial No. 186,043; published Jan. 8, 1924.
Medicine for the treatment of stomach, liver, etc., ailments. D. M. Pierce. 181,409; Mar. 18; Serial No. 187,266; published Jan. 8, 1924.
Medicine for treatment of venereal diseases. J. H. Crenshaw. 181,196; Mar. 18; Serial No. 186,219; published Jan. 1, 1924.
Mouth washes and tooth pastes. G. J. Herrin. 181,204; Mar. 18; Serial No. 186,056; published Jan. 1, 1924.
Nerve depressant. G. D. Searle and Company. 181,492; Mar. 18; Serial No. 187,645; published Dec. 25, 1923.
Oil and port wine, etc., for treatment of coughs, colds, etc., Emulsion of cod-liver. H. T. Dewey & Sons Company. 181,314; Mar. 18; Serial No. 186,419; published Jan. 8, 1924.
Oil, Cod-liver. Brewer & Company. 181,266; Mar. 18; Serial No. 184,492; published Jan. 8, 1924.
Oil, fiber grease, and yarn grease, Knitting. Standard Oil Company of Louisiana. 181,524; Mar. 18.
Ointment, Antiseptic antiphlogistic. Smith, Kline & French Co. 181,440; Mar. 18; Serial No. 175,169; published May 22, 1923.
Ointment, Hair. Tarquin Manufacturing Co. 181,316; Mar. 18; Serial No. 186,450; published Jan. 1, 1924.
Ointment, Poultry-lice. F. J. Stearns. 181,332; Mar. 18; Serial No. 183,725; published Jan. 1, 1924.
Ointments, daudruff remover, and hair grower. B. Worshowsky. 181,234; Mar. 18; Serial No. 183,093; published Jan. 1, 1924.
Perfume and face powder. L. T. Piver, Inc. 181,456; Mar. 18; Serial No. 187,335; published Dec. 25, 1923.
Perfume, toilet water, face and talcum powders, etc. Houbigant, Inc. 181,408; Mar. 18; Serial No. 187,257; published Dec. 25, 1923.
Perfumery, toilet water, powders, etc. F. Libisch. 181,248; Mar. 18; Serial No. 178,262; published Jan. 8, 1924.
Perfumes. A. Karpman. 181,295; Mar. 18; Serial No. 170,390; published Jan. 30, 1923.
Perfumes and toilet preparations. Richard Hudnut. 181,335; Mar. 18; Serial No. 183,881; published Jan. 1, 1924.
Perfumes, toilet waters, and face powders. John Wanamaker Philadelphia. 181,224; Mar. 18; Serial No. 187,891; published Jan. 8, 1924.
Perfumes, toilet waters, face cream, etc. American Druggists Syndicate. 181,453; Mar. 18; Serial No. 187,371; published Dec. 25, 1923.
Perfumes, toilet waters, face powders, sachet powders, etc. F. J. de S. Coty. 181,498; Mar. 18; Serial No. 169,238; published June 5, 1923.
Pills, Liver. J. F. Barlow. 181,210; Mar. 18; Serial No. 184,956; published Jan. 1, 1924.
Powder and cream, Face. Pompeian Mfg. Company. 181,363; Mar. 18; Serial No. 185,312; published Jan. 1, 1924.
Powders and creams, perfumes, etc., Face. C. J. Diaz. 181,466–7; Mar. 18; Serial Nos. 187,569–7; published Dec. 25, 1923.
Powders and creams, perfumes, etc., Face. Heather Company. 181,459; Mar. 18; Serial No. 187,420; published Dec. 25, 1923.
Powders and creams, perfumes, etc., Face. Heather Company. 181,460; Mar. 18; Serial No. 187,422; published Dec. 25, 1923.
Powders and creams, perfumes, etc., Face. Heather Company. 181,493; Mar. 18; Serial No. 187,623; published Dec. 25, 1923.
Powders and creams, perfumes, etc., Face. P. E. Page. 181,208; Mar. 18; Serial No. 186,149; published Jan. 1, 1924.
Powders and creams, toilet waters, rouges, perfumes, etc., Face. J. Jutras. 181,229–30; Mar. 18; Serial Nos. 188,244–5; published Jan. 8, 1924.
Powders, Talcum and theatrical. Harriet Hubbard Ayer. 181,308; Mar. 18; Serial No. 186,054; published Jan. 8, 1924.
Preparation for cleansing the teeth and mouth. C. J. Brown. 181,349; Mar. 18; Serial No. 180,323; published Dec. 25, 1923.
Preparation for the treatment of asthma. J. H. Guild Company. 181,354; Mar. 18; Serial No. 181,485; published Jan. 1, 1924.
Preparation for the treatment of piles. W. Chopp. 181,301; Mar. 18; Serial No. 185,780; published Jan. 1, 1924.
Preparation for the treatment of the kidneys and liver. A. Parker. 181,455; Mar. 18; Serial No. 187,384; published Dec. 25, 1923.
Preparation for treatment of headache, nervousness, etc. M. G. Gibbs. 181,279; Mar. 18; Serial No. 184,908; published Jan. 8, 1924.
Preparation, Stomach. F. X. Rondeau. 181,291; Mar. 18; Serial No. 165,035; published July 10, 1923.
Preparations for treatment of diseases resulting from faulty metabolism, etc. J. R. Stege. 181,507; Mar. 18; Serial No. 184,992; published Jan. 8, 1924.
Prophylactic and general local antiseptics. Laboratory of Research Chemotherapy. 181,206; Mar. 18; Serial No. 186,136; published Jan. 1, 1924.
Remedy for itch. L. J. Sharp. 181,491; Mar. 18; Serial No. 187,646; published Dec. 25, 1923.
Salve. Pancura Chemical Company. 181,211; Mar. 18; Serial No. 185,014; published Jan. 1, 1924.
Salve for cuts, wounds, etc., Therapeutic. C. H. Beegle. 181,225; Mar. 18; Serial No. 188,044; published Jan. 8, 1924.
Seno-mint. Abbott Laboratories. 181,416; Mar. 18; Serial No. 186,537; published Jan. 1, 1924.
Shampoo preparation. J. C. Fuller. 181,292; Mar. 18; Serial No. 165,281; published Dec. 4, 1923.
Tablets for treatment of headaches, neuritis, colds, etc. P. H. Casey. 181,438; Mar. 18; Serial No. 184,117; published Jan. 1, 1924.
Tablets, Laxative. A. R. Martine. 181,309; Mar. 18; Serial No. 186,066; published Jan. 8, 1924.
Tablets, Vegetable. Dr. F. W. Diemer Medicine Co. 181,227; Mar. 18; Serial No. 188,090; published Jan. 8, 1924.
Talcum and face powders, face creams, etc. Benz Toilet Products, Inc. 181,508; Mar. 18; Serial No. 185,198; published Dec. 4, 1923.
Toilet preparations. George W. Luft Company. 181,522; Mar. 18.
Toilet preparations. Modern Pharmacal Co. 181,357; Mar. 18; Serial No. 185,032; published Jan. 8, 1924.
Toilet waters, pastes, and powders, and perfumery. E. Daltroff & Cie. 181,205; Mar. 18; Serial No. 186,111; published Jan. 1, 1924.
Tonic and purifier, Blood. A. M. J. Tuminelli. 181,319; Mar. 18; Serial No. 186,488; published Jan. 1, 1924.
Tonic for swine. Moorman Mfg. Co. 181,238; Mar. 18; Serial No. 184,558; published Jan. 1, 1924.
Yeast food tonic, Prepared. Novafaez Company. 181,476; Mar. 18; Serial No. 179,880; published Dec. 25, 1923.

CLASS 7.

Rope and twine. Matanzas Cordage Company, S. A. 181,538; Mar. 18.

CLASS 8.

Pipes. A. Lusuardi. 181,365; Mar. 18; Serial No. 185,843; published Jan. 1, 1924.

CLASS 9.

Matches. Taiyo Trading Co. 181,296; Mar. 18; Serial No. 170,450; published Jan. 1, 1924.

CLASS 10.

Fertilizers. Potash Marl, Inc. 181,531; Mar. 18.

CLASS 12.

Asphalt. Standard Oil Company of Louisiana. 181,539; Mar. 18.
Bricks, Building. Standard Brick & Tile Company. 181,422; Mar. 18; Serial No. 185,628; published Jan. 1, 1924.
Bricks, Enameled. American Enameled Brick & Tile Company. 181,345; Mar. 18; Serial No. 178,369; published Jan. 8, 1924.
Fire-brick mortar, fire-brick cement, etc. A. P. Green Fire Brick Co. 181,425; Mar. 18; Serial No. 185,337; published Jan. 1, 1924.
Fire-insulating material. Union Asbestos & Rubber Company. 181,431; Mar. 18; Serial No. 185,062; published Jan. 1, 1924.
Insulating material for walls, box cars, etc. Calfelt Insulation Mfg. Co. 181,488; Mar. 18; Serial No. 187,710; published Dec. 25, 1923.

CLASS 13.

Alarms, Gas-flow. H. Cappellanti. 181,312; Mar. 18; Serial No. 186,350; published Dec. 11, 1923.
Anchors, Earth. Everstick Anchor Company. 181,535; Mar. 18.
Bolts. Kirk-Latty Manufacturing Company. 181,527; Mar. 18.

Nails. F. A. Neider Co. 181,310; Mar. 18; Serial No. 186,287; published Jan. 1, 1924.
Oil and molasses gates. E. C. Stearns & Co. 181,517; Mar. 18.
Percolators, Aluminum. George H. Bowman Company. 181,414; Mar. 18; Serial No. 183,643; published Oct. 16, 1923.
Sprays with rubber-tubing attachments, Bath. W. T. Grant Company. 181,480; Mar. 18; Serial No. 181,184; published Jan. 1, 1924.
Tooth-paste tubes and toothbrushes, Attachments for holding. R. K. Blackshear. 181,512; Mar. 18.
Tubes and screw-machine products. Mueller Metals Company. 181,520; Mar. 18.
Wedges, Tool-handle. R. A. Barron. 181,540; Mar. 18.

CLASS 14.

Railway frogs. Kilby Frog & Switch Co. 181,530; Mar. 18.

CLASS 15.

Oils, Lubricating. Enterprise Oil Company. 181,514; Mar. 18.
Oils, Lubricating. O. F. Zurn Company. 181,415; Mar. 18; Serial No. 186,535; published Jan. 1, 1924.

CLASS 16.

Paint enamels and ready-mixed paints. J. G. Croll. 181,417; Mar. 18; Serial No. 186,587; published Jan. 8, 1924.
Polish and coating for japanned, etc., surfaces. F. S. Kelly. 181,496; Mar. 18; Serial No. 182,155; published Jan. 8, 1924.
Polishes, Floor. Johann Bosch Gesellschaft m. b. H. Fabrik für Asphalt, Dachpappe u. Teerprodukte. 181,470; Mar. 18; Serial No. 177,913; published Jan. 8, 1924.

CLASS 17.

Cigarettes. F. & E. Soter Corporation. 181,340; Mar. 18; Serial No. 181,870; published Jan. 8, 1924.

CLASS 19.

Automobile taxicabs. Yellow Cab Manufacturing Co. 181,426; Mar. 18; Serial No. 185,328; published Jan. 1, 1924.

CLASS 22.

Balls, Golf. John Wanamaker, New York. 181,504; Mar. 18; Serial No. 187,972; published Jan. 1, 1924.
Billiard-table cushions. Brunswick-Balke-Collender Company. 24,237; renewed Feb. 13, 1924.
Footballs, basket, soccer, and punching balls. William Sykes, Limited. 181,432; Mar. 18; Serial No. 184,804; published Jan. 1, 1924.
Game, Table. L. S. Lee. 181,445; Mar. 18; Serial No. 185,786; published Jan. 1, 1924.
Puzzles. C. E. McGarrison. 181,395; Mar. 18; Serial No. 182,253; published Jan. 1, 1924.
Toy pistols, rifles, and repeating rifles. Edwards Manufacturing Co. 181,502; Mar. 18; Serial No. 188,234; published Jan. 1, 1924.
Velocipedes, Children's. W. H. Bush. 181,370; Mar. 18; Serial No. 185,693; published Dec. 25, 1923.

CLASS 23.

Automobile gear-shift levers, Balls for the handles of. Southwest Onyx & Marble Company. 181,400; Mar. 18; Serial No. 183,760; published Jan. 1, 1924.
Awls, bearing scrapers, cold chisels, etc., Scratch. J. F. Holcombe. 181,545; Mar. 18.
Brad sets, center punches, clamps, etc. L. S. Starrett Company. 181,429; Mar. 18; Serial No. 185,153; published Dec. 25, 1923.
Caramel and candy cutters and sizers and parts thereof. Ideal Wrapping Machine Company. 181,375; Mar. 18; Serial No. 153,607; published Jan. 1, 1924.
Chocolate and confectionery machinery. National Equipment Company. 181,528; Mar. 18.
Garden tools. J. E. Gilson. 181,532; Mar. 18.
Gears. Dallmann Machine & Mfg. Co. 181,402; Mar. 18; Serial No. 185,048; published Jan. 1, 1924.
Mattress-filling machines. Triangle Kapok Machine Corp. 181,396; Mar. 18; Serial No. 182,388; published Jan. 1, 1924.
Razors, razor blades, safety razors, and blades. American Safety Razor Corporation. 181,544; Mar. 18.
Razors, safety razors and blades, pocketknives, etc. Max Dörner G. m. b. H. Stahlwarenfabrik. 181,281; Mar. 18; Serial No. 182,708; published Jan. 1, 1924.
Sprayers and parts thereof. Hudson Manufacturing Company. 181,403; Mar. 18; Serial No. 186,998; published Jan. 1, 1924.
Wire-pulling grips. Mathias Klein & Sons. 181,534; Mar. 18.

CLASS 26.

Bevels, calipers, dividers, center testers, etc. L. S. Starrett Company. 181,430; Mar. 18; Serial No. 185,152; published Dec. 25, 1923.
Engines, Spark-testing devices for internal-combustion. J. H. Levine. 181,383; Mar. 18; Serial No. 170,203; published Jan. 1, 1924.
Ophthalmic mountings and parts thereof. Stevens & Company. 181,413; Mar. 18; Serial No. 183,863; published Jan. 1, 1924.
Photographic paper, cardboard, and post cards, Sensitized. Kraft & Steudel Fabrik photographischer Papiere Gesellschaft mit beschrankter Haftung. 181,350–2; Mar. 18; Serial Nos. 180,437–9; published Jan. 1, 1924.
Tire gauges. Kelso Manufacturing Co. 181,510; Mar. 18.

CLASS 30.

Earthenware. Red Wing Union Stoneware Co. 181,484; Mar. 18; Serial No. 181,697; published Jan. 8, 1924.

CLASS 32.

Cabinets and counters. Jenny Wren Stores Corporation. 181,281; Mar. 18; Serial No. 150,750; published Jan. 1, 1924.
Chests and boxes, Cedar. A. P. Schultze. 181,518; Mar. 18.
Mattresses. Knoxville Mattress Co. 181,338; Mar. 18; Serial No. 183,979; published Jan. 1, 1924.

CLASS 33.

Glassware. Pyrocolor Corporation. 181,282; Mar. 18; Serial No. 152,091; published Jan. 1, 1924.

CLASS 34.

Furnaces and boiler fire boxes, Liquid-fuel burners for. J. Scheminger, jr. 181,240; Mar. 18; Serial No. 184,766; published Jan. 8, 1924.
Gas generators. Coleman Lamp Company. 181,421; Mar. 18; Serial No. 186,695; published Dec. 25, 1923.
Stovepipe rings. A. Katrina. 181,434; Mar. 18; Serial No. 184,467; published Jan. 8, 1924.
Stoves using fluid fuel. Hardwick Stove Co. 181,525; Mar. 18.

CLASS 35.

Belting, Cotton. Buffalo Weaving & Belting Co. 181,231; Mar. 18; Serial No. 182,232; published Jan. 8, 1924.
Rubber fruit-jar rings. Schacht Rubber Mfg. Co. 181,294; Mar. 18; Serial No. 166,751; published Jan. 1, 1924.
Tires. Firestone Tire and Rubber Company. 181,244; Mar. 18; Serial No. 136,120; published Jan. 8, 1924.
Tires and rubber tire tubes, Pneumatic automobile. Wildman Rubber Company. 181,533; Mar. 18.

CLASS 37.

Books, Blank. F. Geitz, jr. 181,477; Mar. 18; Serial No. 180,695; published Jan. 1, 1924.
Paper. Kansas City Paper House. 181,446; Mar. 18; Serial No. 185,328; published Jan. 1, 1924.
Paper, Bond. Blake, Moffitt & Towne. 181,449; Mar. 18; Serial No. 187,295; published Jan. 1, 1924.
Paper, Bond. Blake, Moffitt & Towne. 181,450; Mar. 18; Serial No. 187,290; published Jan. 1, 1924.
Paper, Book. Chemical Paper Manufacturing Company. 181,437; Mar. 18; Serial No. 187,711; published Jan. 1, 1924.
Paper, envelopes, and papeteries. White & Wyckoff Manufacturing Company. 181,501; Mar. 18; Serial No. 188,351; published Jan. 1, 1924.
Paper, Wrapping, writing, printing, and toilet. Stone & Forsyth. 24,822; renewed June 5, 1924.
Paper, Writing. Fox River Paper Company. 181,526; Mar. 18.
Papers. Walther & Company. 181,389; Mar. 18; Serial No. 174,044; published Jan. 1, 1924.
Papers, boxed stationery, tablets, Bond. Neenah Paper Co. 181,506; Mar. 18; Serial No. 187,833; published Jan. 1, 1924.
Pencils. Eberhard Faber Pencil Company. 181,435; Mar. 18; Serial No. 184,439; published Jan. 1, 1924.

CLASS 38.

Coupons, Redeemable. H. C. Mershon. 181,471; Mar. 18; Serial No. 177,919; published Jan. 1, 1924.
Magazine, Periodical. J. E. Hess. 181,247; Mar. 18; Serial No. 158,710; published Jan. 1, 1924.
Periodicals. Railroad Buyers & Sellers Service Bureau. 181,499; Mar. 18; Serial No. 168,066; published Jan. 1, 1924.

CLASS 39.

Apparel, Girls'. Saks & Company. 181,399; Mar. 18; Serial No. 186,758; published Jan. 1, 1924.
Bathing suits, athletic shirts, sweaters, etc. Edward Noon & Son. 181,246; Mar. 18; Serial No. 149,716; published Jan. 1, 1924.
Bathing suits, sweaters, etc., Knitted. Blue-Ribbon Knitting Mills, Inc. 181,195; Mar. 18; Serial No. 186,175; published Jan 1, 1924.
Belts, Ladies'. Slote & Schaffer. 181,355; Mar. 18; Serial No. 184,989; published Dec. 25, 1923.
Boots, shoes, and slippers, Leather. International Shoe Company. 181,337; Mar. 18; Serial No. 183,976; published Jan. 1, 1924.
Caps, Men's and boys'. Weinstein Manufacturing Company. 181,366; Mar. 18; Serial No. 185,551; published Jan. 1, 1924.

Cloaks and suits. B. Rothbell. 181,441; Mar. 18; Serial No. 175,570; published Jan. 1, 1924.
Cloaks, suits, wraps, capes, etc. I. J. Rubin. 181,197; Mar. 18; Serial No. 186,248; published Jan. 1, 1924.
Clothing and garments, Women's. Style-Center Tailoring Company. 181,386; Mar. 18; Serial No. 172,565; published Jan. 1, 1924.
Coats, cloaks, wraps, Capes, etc., Women's, children's, and infants'. Salt's Textile Manufacturing Company. 181,217; Mar. 18; Serial No. 187,591; published Jan. 1, 1924.
Coats, vests, and pantaloons. Standard Clothing Company. 25,011; renewed July 17, 1924.
Corsets. Abraham & Straus, Inc. 181,418; Mar. 18; Serial No. 186,620; published Dec. 25, 1923.
Corsets. F. P. Hay, Inc. 181,494; Mar. 18; Serial No. 182,308; published Jan. 1, 1924.
Corsets. C. Munter. 181,245; Mar. 18; Serial No. 141,322; published Jan. 1, 1924.
Corsets. Elite Form Corset Co. 181,391; Mar. 18; Serial No. 175,106; published Dec. 25, 1923.
Dresses, waists, and blouses, etc., Women's and misses'. Lack & Samuels, Inc. 181,202; Mar. 18; Serial No. 186,794; published Jan. 1, 1924.
Garters, Men's. George Frost Company. 181,482; Mar. 18; Serial No. 181,481; published Dec. 25, 1923.
Gloves and mittens. Boss Manufacturing Company. 181,371; Mar. 18; Serial No. 185,742; published Jan. 1, 1924.
Gloves and mittens. Boss Manufacturing Company. 181,372; Mar. 18; Serial No. 185,744; published Jan. 1, 1924.
Gloves, Leather. Northland Knitting Company. 181,243; Mar. 18; Serial No. 135,012; published Jan. 1, 1924.
Hats. Crooks Brothers Millinery Company. 181,260; Mar. 18; Serial No. 184,937; published Dec. 25, 1923.
Hats. Dixie Maid Hat Company. 181,341; Mar. 18; Serial No. 183,560; published Nov. 27, 1923.
Hats. Lichtenstein-Mittenthal Company. 181,328; Mar. 18; Serial No. 183,629; published Jan. 1, 1924.
Hats and caps. Hatter's Clearing House Inc. 181,331; Mar. 18; Serial No. 183,704; published Jan. 1, 1924.
Hats and caps and ladies' scarfs. Sable Bros. 181,236; Mar. 18; Serial No. 184,104; published Jan. 1, 1924.
Hats and caps for men and boys. R. Baer. 181,347; Mar. 18; Serial No. 179,645; published Dec. 25, 1923.
Hats and caps for men and boys, Felt. John B. Stetson Company. 181,329; Mar. 18; Serial No. 183,637; published Dec. 25, 1923.
Hats for women. L. W. Marks & Co. 181,358; Mar. 18; Serial No. 185,067; published Jan. 1, 1924.
Hats, Ladies' and misses'. Cohn & Kaplan. 181,336; Mar. 18; Serial No. 183,908; published Dec. 25, 1923.
Hats, Ladies' and misses'. Ferle Heller, Inc. 181,362; Mar. 18; Serial No. 185,248; published Jan. 1, 1924.
Hats, Misses' and children's. Carson Pirie Scott & Co. 181,270; Mar. 18; Serial No. 184,696; published Jan. 1, 1924.
Heels for boots and shoes. David Hill, Limited. 181,265; Mar. 18; Serial No. 184,449; published Jan. 1, 1924.
Hosiery. E. D. Attix. 181,216; Mar. 18; Serial No. 187,282; published Jan. 1, 1924.
Hosiery. Junior Hosiery Company. 181,280; Mar. 18; Serial No. 146,122; published Aug. 23, 1921.
Hosiery. S. Y. W. Hosiery Co. 181,330; Mar. 18; Serial No. 183,851; published Jan. 1, 1924.
Hosiery, sweaters, and fabric gloves. E. B. Sudbury. 181,297; Mar. 18; Serial No. 171,770; published Jan. 1, 1924.
Moccasins, Leather. Kirkendall Shoe Company. 181,237; Mar. 18; Serial No. 184,246; published Jan. 1, 1924.
Nightshirts, bathrobes, pyjamas, and undergarments, Men's. Frackville Manufacturing Company. 181,200; Mar. 18; Serial No. 186,635; published Jan. 1, 1924.
Rubber heels. Sacht Rubber Mfg. Co. 181,398; Mar. 18; Serial No. 187,229; published Dec. 25, 1923.
Shirts. Jacob Miller's Sons Co. 181,220; Mar. 18; Serial No. 187,685; published Jan. 1, 1924.
Shirts, Dress. D. Tenenbaum. 181,290; Mar. 18; Serial No. 172,131; published Dec. 25, 1923.
Shoes. Egan-Dryfoos Distributing Co. 181,385; Mar. 18; Serial No. 172,526; published Dec. 25, 1923.
Shoes. A. H. Genting Co. 181,536; Mar. 18.
Shoes. Quality Shoe Shop. 181,339; Mar. 18; Serial No. 184,102; published Jan. 1, 1924.
Shoes. M. T. Shaw, Inc. 181,275; Mar. 18; Serial No. 184,767; published Jan. 1, 1924.
Shoes, Children's and misses'. Zane Shoe Co. 181,269; Mar. 18; Serial No. 184,575; published Jan. 1, 1924.
Shoes, Leather. F. Mayer Boot & Shoe Co. 181,420; Mar. 18; Serial No. 186,653; published Dec. 25, 1923.
Suits, Sleeping. B. H. Trinkel. 181,218; Mar. 18; Serial No. 187,593; published Jan. 1, 1924.
Suspenders. Harris Suspender Company. 181,439; Mar. 18; Serial No. 172,790; published Jan. 1, 1924.
Sweater coats, bathing suits, and scarfs. M. Cohen. 181,203; Mar. 18; Serial No. 187,249; published Jan. 1, 1924.
Sweaters, caps, booties, leggings, etc. Llama Knitting Co. 181,419; Mar. 18; Serial No. 186,651; published Jan. 1, 1924.
Underwear. Carter Dry Goods Co. 181,198–9; Mar. 18. Serial Nos. 186,352–3; published Jan. 1, 1924.
Underwear, pyjamas, nightdresses, etc. Irish Linen Mesh Company. 181,394; Mar. 18; Serial No. 181,949; published Jan. 1, 1924.

CLASS 40.

Braids, elastic cords, loop elastics, etc. Budlong Manufacturing Company. 181,537; Mar. 18.
Snap fasteners. American Fastener Company. 181,503; Mar. 18; Serial No. 188,102; published Jan. 1, 1924.

CLASS 42.

Cotton goods in the piece. United Turkey Red Company Limited. 181,384; Mar. 18; Serial No. 172,184; published June 12, 1923.
Cotton piece goods. American Printing Company. 181,529; Mar. 18.
Cotton piece goods. American Printing Company. 181,541–3; Mar. 18.
Cotton piece goods. M. C. Hart. 181,327; Mar. 18; Serial No. 183,571; published Jan. 1, 1924.
Cotton piece goods. Wilton Manufacturing Company. 181,300; Mar. 18; Serial No. 185,776; published Jan. 1, 1924.
Laces. Samuel Ehrman Co. 181,388; Mar. 18; Serial No. 173,409; published Jan. 1, 1924.
Pillowcases. Defender Manufacturing Company. 181,519; Mar. 18.
Silk goods in the piece. Basser's Textile Clearing House, Inc. 181,515; Mar. 18.
Silk piece goods. J. A. Migel, Inc. 181,318; Mar. 18; Serial No. 186,482; published Jan. 1, 1924.
Silk piece goods. Travis, Romaine & Jelle, Inc. 181,304; Mar. 18; Serial No. 185,882; published Jan. 1, 1924.
Woolen and worsted piece goods. Cyril Johnson Woolen Co. 181,390; Mar. 18; Serial No. 174,365; published Jan. 1, 1924.
Woolen goods in the piece. Worumbo Manufacturing Company. 181,382; Mar. 18; Serial No. 169,193; published Jan. 8, 1924.
Worsted and woolen textile fabrics. Holden-Leonard Company. 181,313; Mar. 18; Serial No. 186,367; published Dec. 18, 1923.

CLASS 43.

Threads and yarns, Silk. Gudebrod Bros. Silk Co. 181,475; Mar. 18; Serial No. 179,721; published Dec. 11, 1923.
Yarn and sewing cotton, Cotton. Manchester Reeling and Winding Company. 181,411; Mar. 18; Serial No. 170,332; published Feb. 6, 1923.

CLASS 44.

Dental golds. J. F. Jelenko & Co. 181,500; Mar. 18; Serial No. 188,371; published Jan. 8, 1924.
Dental instruments. L. D. Caulk Company. 181,490; Mar. 18; Serial No. 187,663; published Jan. 8, 1924.
Electrotherapeutic apparatus. Interstate Engineering Co. 181,448; Mar. 18; Serial No. 174,901; published Jan. 1, 1924.
Medical instruments, Diagnostic. De Zeng Standard Co. 181,516; Mar. 18.
Pads, Heating. G. J. Yore. 181,406; Mar. 18; Serial No. 187,183; published Jan. 8, 1924.
Paste. J. L. Smith. 181,481; Mar. 18; Serial No. 181,222; published Jan. 8, 1924.
Dental cavities, Preparation for insertion in. L. D. Caulk Company. 181,261; Mar. 18; Serial No. 184,119; published Jan. 8, 1924.

CLASS 45.

Beverages sold as soft drinks and sirups for making the same. Granite State Spring Water Co. 181,513; Mar. 18.
Drinks, Soft. Douglas-King Limited. 181,392; Mar. 18; Serial No. 176,169; published Jan. 1, 1924.
Water, Spring. M. T. Evans. 181,423; Mar. 18; Serial No. 185,451; published Jan. 1, 1924.

CLASS 46.

Apples, Fresh. Crown Willamette Paper Company. 181,222; Mar. 18; Serial No. 187,802; published Jan. 1, 1924.
Apples, Fresh. Scurich & Jerinich. 181,401; Mar. 18; Serial No. 186,933; published Jan. 1, 1924.
Bone for poultry, Raw. Sacramento Feed and Fertilizer Company. 181,360; Mar. 18; Serial No. 185,149; published Jan. 8, 1924.
Bread. James Butler, Inc. 181,256; Mar. 18; Serial No. 185,889; published Jan. 1, 1924.
Bread. Davis Standard Bread Company. 181,326; Mar. 18; Serial No. 183,558; published Jan. 8, 1924.
Bread. Ward Baking Company. 181,489; Mar. 18; Serial No. 187,706; published Jan. 8, 1924.
Bread. D. P. Woolley. 181,289; Mar. 18; Serial No. 183,066; published Jan. 1, 1924.
Butter. Columbus Creamery. 181,428; Mar. 18; Serial No. 185,177; published Jan. 1, 1924.
Butter. John Habhegger Co. 181,315; Mar. 18; Serial No. 186,425; published Jan. 1, 1924.
Butter. S. B. Johnson. 181,451; Mar. 18; Serial No. 187,316; published Jan. 8, 1924.
Butter. E. W. Moyer. 181,284; Mar. 18; Serial No. 159,517; published Jan. 1, 1924.

Cake. International Company. 181,271; Mar. 18; Serial No. 184,668; published Jan. 1, 1924.
Candy. M. Berkowitz. 181,219; Mar. 18; Serial No. 187,661; published Jan. 1, 1924.
Canned fruits and vegetables. Empire State Canning Co. 181,249; Mar. 18; Serial No. 179,141; published Jan. 1, 1924.
Canned fruits and vegetables. Tamal Packing Co. 181,486; Mar. 18; Serial No. 181,919; published Dec. 11, 1923.
Canned goods, stuffed olives, asparagus, etc. H. T. Quinlan & Company. 181,374; Mar. 18; Serial No. 116,694; published Dec. 18, 1923.
Canned salmon. New England Fish Company. 181,325; Mar. 18; Serial No. 183,530; published Nov. 6, 1923.
Canned vegetables and tomato puree, tomato catchup. National Packing Corporation. 181,479; Mar. 18; Serial No. 180,880; published Nov. 13, 1923.
Cantaloupes. B. F. Waymire. 181,412; Mar. 18; Serial No. 184,109; published Jan. 8, 1924.
Cheese. Pabst Farms. 181,483; Mar. 18; Serial No. 181,496; published Jan. 1, 1924.
Cheese. Phenix Cheese Co. 181,272; Mar. 18; Serial No. 184,684; published Jan. 1, 1924.
Cheese. Ernest Regez & Sons. 181,369; Mar. 18; Serial No. 185,620; published Jan. 1, 1924.
Coffee. Asmus Bros. 181,476; Mar. 18; Serial No. 180,733; published Oct. 30, 1923.
Coffee. G. B. Farrington Co. 181,250; Mar. 18; Serial No. 180,595; published Jan. 1, 1924.
Coffee substitute. L. A. Thompson. 181,201; Mar. 18; Serial No. 186,767; published Jan. 1, 1924.
Confections, Candy. A. H. Bechtol. 181,214; Mar. 18; Serial No. 186,001; published Jan. 1, 1924.
Crackers, cakes, wafers, and biscuit. Hoyt's Consumers Cracker & Biscuit Corporation. 181,506; Mar. 18; Serial No. 166,012; published Jan. 8, 1924.
Egg product. Frozen. Morris Ovson Company. 181,254; Mar. 18; Serial No. 182,431; published Jan. 1, 1924.
Eggs. Eastern Connecticut Poultry Producers, Inc. 181,277; Mar. 18; Serial No. 184,897; published Jan. 1, 1924.
Eggs. A. Lawrence Toombs & Sons. 181,213; Mar. 18; Serial No. 185,462; published Jan. 8, 1924.
Eggs. E. W. Moyer. 181,378; Mar. 18; Serial No. 159,516; published Jan. 1, 1924.
Eggs, Fresh. Hill Crest Manor. 181,424; Mar. 18; Serial No. 185,949; published Jan. 1, 1924.
Eggs, Fresh and storage. Charlton & Bowen. 181,302; Mar. 18; Serial No. 185,859; published Jan. 8, 1924.
Feed, etc., Poultry. Van Iderstine Company. 181,462; Mar. 18; Serial No. 187,496; published Jan. 8, 1924.
Flour and cereals, Wheat and rye. F. L. Sparks. 181,444; Mar. 18; Serial No. 174,270; published Jan. 8, 1924.
Flour, Wheat. Fisher Flouring Mills Company. 181,273–4; Mar. 18; Serial Nos. 184,718–9; published Jan. 1, 1924.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 181,511; Mar. 18.
Flour, Wheat. H. H. King Flour Mills Company. 181,433; Mar. 18; Serial No. 184,736; published Dec. 25, 1923.
Flour, Wheat. Monett Mill & Elevator Company. 181,404; Mar. 18; Serial No. 187,116; published Jan. 1, 1924.
Flour, Wheat. Willis Norton & Company. 181,410; Mar. 18; Serial No. 187,275; published Jan. 8, 1924.
Flour, Wheat. Portland Flour Mills Co. 181,495; Mar. 18; Serial No. 182,176; published Jan. 8, 1924.
Flour, Wheat. South Georgia Produce Company. 181,276; Mar. 18; Serial No. 184,769; published Jan. 1, 1924.
Flour, Wheat. Southwestern Milling Company. 181,447; Mar. 18; Serial No. 174,596; published Jan. 1, 1924.
Flour, Wheat. Wallace Milling Company. 181,251; Mar. 18; Serial No. 147,070; published Jan. 10, 1922.
Flour, Wheat and Graham. Marysville Mill & Elevator Company. 181,473; Mar. 18; Serial No. 178,622; published Jan. 1, 1924.
Food, Cereal. Los Angeles Milo Wheat Co. 181,257; Mar. 18; Serial No. 186,919; published Jan. 8, 1924.
Food, Edible. F. G. Matson. 181,343; Mar. 18; Serial No. 177,857; published Aug. 21, 1923.
Food, Edible. F. G. Matson. 181,344; Mar. 18; Serial No. 177,918; published Aug. 21, 1923.
Food, Laxative. Battle Creek Food Company. 181,474; Mar. 18; Serial No. 179,350; published Jan. 1, 1924.
Food preparation for birds. G & G Scientific Egg Food Co. 181,255; Mar. 18; Serial No. 182,471; published Jan. 1, 1924.
Foods, pancake and wheat flour, and cornmeal, Cereal breakfast. Nebraska Consolidated Mills Co. 181,377; Mar. 18; Serial No. 156,709; published Mar. 20, 1923.
Hog, beef, and mutton products, Smoked. Jacob Dold Packing Co. 24,267; renewed Feb. 20, 1924.
Hog products, including hams. Anglo-American Provision Company. 25,029; renewed July 17, 1924.
Hog products, including lard. Anglo-American Provision Company. 25,043; renewed July 24, 1924.
Ice cream. Hendler Creamery Company. 181,321; Mar. 18; Serial No. 183,069; published Jan. 1, 1924.
Ice cream and frozen ices. Galveston Ice Cream Co. 181,264; Mar. 18; Serial No. 184,899; published Jan. 1, 1924.
Margarine, Nut. Glidden Nut Butter Company. 181,258; Mar. 18; Serial No. 186,784; published Jan. 1, 1924.
Matsos. B. Manischewitz Company. 181,332–4; Mar. 18; Serial No. 183,842–3; published Jan. 8, 1924.
Meat scraps for poultry. Sacramento Feed and Fertilizer Company. 181,359; Mar. 18; Serial No. 185,148; published Jan. 8, 1924.
Milk, cream, butter, and cheese. American Guernsey Cattle Club. 181,367; Mar. 18; Serial No. 186,400; published Jan. 1, 1924.
Oil, Olive. Rinaudo Majano & Cie. 181,472; Mar. 18; Serial No. 178,568; published Jan. 1, 1924.
Paprika, cassia, cassia buds, cinnamon, etc. B. H. Old & Co. 181,253; Mar. 18; Serial No. 181,907; published Jan. 1, 1924.
Paprika, cassia, cassia buds, cinnamon, etc. B. H. Old & Co. 181,303; Mar. 18; Serial No. 181,908; published Jan. 1, 1924.
Pastes, Alimentary. A. Pretto. 181,497; Mar. 18; Serial No. 181,059; published Jan. 1, 1924.
Peanut-butter kisses. Kibbe Brothers Company. 181,235; Mar. 18; Serial No. 183,837; published Jan. 1, 1924.
Potatoes, Fresh. A. Worthley. 181,296; Mar. 18; Serial No. 171,777; published June 5, 1923.
Poultry, live stock, vegetables, fruits, etc. R. E. Conder. 181,280; Mar. 18; Serial No. 162,382; published Jan. 1, 1924.
Rice, rice bran, meal, polish, and powder. Louisiana State Rice Milling Co. 181,376; Mar. 18; Serial No. 155,896; published Jan. 1, 1924.
Sandwich, Biscuit. Crawford Farms, Incorporated. 181,263; Mar. 18; Serial No. 184,327; published Jan. 1, 1924.
Sirups, Table. O. T. Drenikow. 181,364; Mar. 18; Serial No. 185,330; published Jan. 1, 1924.
Starch and proteins. Jacques Wolf & Co. 181,285–8; Mar. 18; Serial Nos. 161,607–10; published Nov. 28, 1922.
Tomatoes, Fresh. A. T. Pearce. 181,221; Mar. 18; Serial No. 188,252; published Jan. 1, 1924.
Wafers, Cheese. B. P. Clement. 181,437; Mar. 18; Serial No. 184,235; published Jan. 1, 1924.
Zwieback. Manchester Biscuit Company. 181,356; Mar. 18; Serial No. 185,027; published Jan. 1, 1924.

CLASS 50.

Aprons, Icemen's back. G. H. Voter, Inc. 181,397; Mar. 18; Serial No. 182,630; published Jan. 1, 1924.
Signs, Printed. Lutz & Richardson. 181,436; Mar. 18; Serial No. 184,410; published Jan. 1, 1924.
Tombstones, monuments, and memorials. Cross Bro's Co. 181,353; Mar. 18; Serial No. 181,112; published Jan. 1, 1924.

ALPHABETICAL LIST OF LABELS.

Butter Crust. For Bread. Butter Crust Baking Co. 27,081; Mar. 18.
Butter Toast Bread. For Loaves of Bread. O. Fitzpatrick. 27,087; Mar. 18.
Cortesi. For Cigarettes. Miltiades Melachrino, Inc. 27,098; Mar. 18.
Dixie. For Drinking Cups. Individual Drinking Cup Company. 27,091; Mar. 18.
Feinberg Kosher Sausage Co. For Sausages. Feinberg Kosher Sausage Co. 27,085; Mar. 18.
Flex-O Fine Tissue. For Toilet Paper. Universal Crepe & Tissue Mills, Inc. 27,112; Mar. 18.
Hi-Ty Antiseptic Compound. For Antiseptic Compound. H. Tyree. 2,111; Mar. 18.
Holland Brand Kidney Pills. For Medicated Pills for the Kidneys. Holland Medicine Company. 27,090; Mar. 18.
La-Belle Bread. For Bread. Newark Paraffine & Parchment Paper Co. 27,101; Mar. 18.
Larvex Atomizer. For a Pasteboard Folding Box Containing an Atomizer for Use with a Mothproofing Preparation. Larvex Corporation. 27,096; Mar. 18.
Larvex Mothproofs Fabrics. For a Bottle Containing a Preparation for Preventing Damage by Moths. Larvex Corporation. 27,093; Mar. 18.
Larvex Mothproofs Fabrics. For a Pasteboard Box Containing a Bottle and Atomizer of a Preparation for Preventing Damage by Moths. Larvex Corporation. 27,094; Mar. 18.
Larvex Mothproofs Fabrics. For a Pasteboard Folding Box Containing a Bottle of a Preparation for Preventing Damage by Moths. Larvex Corporation. 27,095; Mar. 18.
Little Hip. For Boxboard Toy Animals and Boxboard Novelty Toys and Toy Circuses. Fort Orange Paper Company. 27,089; Mar. 18.
McCollum's Delicious Sweet Bits. For Candy. Milwaukee Paper Box Co. 27,100; Mar. 18.

Miltiades. For Cigarettes. Miltiades Melachrino, Inc. 27,099; Mar. 18.
Mother Goose Boxes. For Novelty Toy Reverse Trick Folding Boxes. Fort Orange Paper Company. 27,088; Mar. 18.
New England Bread. For Bread. Cushman Baking Company. 27,082; Mar. 18.
Nu-Hair. For Composition for Restoring Gray Hair to its Original Color. H. Tyree. 27,110; Mar. 18.
Palacelawn. For Lawn-Grass Seed or Grass Seed for Lawns. East St. Louis Seed Company. 27,084; Mar. 18.
Perl-O-Dent The Perfect Tooth Paste. For Tooth Paste. Perl-O-Dent Chemical Company. 27,103; Mar. 18.
Pine-Tonic. For a Preparation for the treatment of the Scalp. A. J. Krank. 27,092; Mar. 18.
Plain Noodles. For Boxes of Noodles. Shinano Company. 27,106; Mar. 18.
Quality Inn. For Coffee. Sorver, McEvoy & Co. 27,107; Mar. 18.
Rosedale. For Toilet Tissue. Oswego River Paper Mills. 27,102; Mar. 18.
Rust-Rid. For a Lubricating Oil. Rust-Rid Mfg. Co. 27,104; Mar. 18.
Sankey's Life Of Leather. For a Waterproof Oil for All Kinds of Leather. D. W. Sankey. 27,105; Mar. 18.
Stop Dope Chewing Gum. For Chewing Gum. S. B. Dexter. 27,083; Mar. 18.
Sunderland Tire Pump—Big Boy—Balloon Type. For Tire Pumps. Sunderland Company. 27,109; Mar. 18.
Takeout. For Preparations for the Removal of Stains. George R. Fisher. No. 27,086; Mar. 18.
Ten Eick. For Cigars. E. R. Miller Cigar Co. 27,097; Mar. 18.
Tumbler Inn. For Coffee. Sorver, McEvoy & Co. 27,108; Mar. 18.
Wat-A-Wash Varnish Remover and cleanser. For Varnish Remover. Van Bar Corporation. 27,113; Mar. 18.

ALPHABETICAL LIST OF PRINTS.

Be Thankful For Ice Cream. For Paper Boxes. Sealright Co. 7,255; Mar. 18.
Dan-D-Rem. For Medical Preparation for the Removal of Dandruff. Dan D-Rem, Inc. 7,250; Mar. 18.
Fairfield Portable Conveyors, The Machines that take the "ell" out of Shovelling. For Portable Conveyers. Fairfield Engineering Company. 7,251; Mar. 18.
Ice Cream's the one Sure bet. For Paper Boxes. Sealright Co. 7,254; Mar. 18.
Kranks Skin-Health Face Powder. For Face Powder. A. J. Krank. 7,252; Mar. 18.
Roper Complete Oven Control. For Gas and Electric Ranges. Geo. D. Roper Corporation. 7,253; Mar. 18.
Tokyo Through Quake and Flex. For Fireworks Spectacles. World Amusement Service Association. 7,256; Mar. 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Cottonseed. King Profit Sharing Seed Company. 188,314; Mar. 18.
Rosin. Acme Products Company. 173,065; Mar. 18.

CLASS 3.

Portfolios. Woodruff Printing Company. 190,902; Mar. 18.

CLASS 4.

Cleaner for jewelry, silverware, woodwork, etc. C. Ledner. 190,107; Mar. 18.
Cloth and waste for polishing and cleaning metal, etc., Treated. H. E. Howind. 189,459; Mar. 18.
Preparation to remove stains and the shine in clothing. S. N. Chakejian. 189,490; Mar. 18.
Soap. Associated Merchandising Corporation. 189,229; Mar. 18.
Soap. T. B. Lamb. 190,547; Mar. 18.
Soap. Northwestern Products Corporation. 190,894; Mar. 18.
Soap. Windsor Soap Co. 190,823; Mar. 18.
Soap and cream shaving soap. Crofts & Reed Co. 188,408; Mar. 18.
Soap powder. Elkonite Soap Co. 188,187; Mar. 18.
Soap solutions and cleansing compounds. O. A. Witte. 181,096; Mar. 18.
Soaps, soap pastes, and soap powders. E. Daltroff & Cie. 186,113; Mar. 18.
Soaps, Toilet. Myrurgia S. A. 159,370; Mar. 18.

CLASS 6.

Blood tonic, medicines for piles, gonorrhea, etc., and an insecticide. Cra-Mi Company. 190,678; Mar. 18.
Cosmetic. Union Pharmacal Company. 191,045; Mar. 18.
Cough medicine. L. J. Murphy. 190,739; Mar. 18.
Cream, Nose. Velv Company. 191,046; Mar. 18.
Dyeing fabrics, Soap for. Tornabell Export Corporation. 191,044; Mar. 18.
Hair lotion and massage cream. Calo Dorne Laboratories, Inc. 190,910; Mar. 18.
Lotion, Face. C. H. Miller. 191,134; Mar. 18.
Lotion, Hand. Satin-Klasp Manufacturing Co. 190,743; Mar. 18.
Medical compound. C. E. Baker. 186,823; Mar. 18.
Medicinal preparation, Colloidal metallic mercury. Seydel Chemical Company. 190,982; Mar. 18.
Medicine for chills and fever. W. M. Norway. 190,975; Mar. 18.
Oils, Compounded mixture of animal, vegetable, or mineral. Rubber Service Laboratories Company. 177,625; Mar. 18.
Oils, perfumes, and synthetic perfume materials, Essential. Etablissements Antoine Chiris, Compagnie des Produits Aromatiques, Chimiques et Medicinaux. 190,962; Mar. 18.
Perfumes, toilet waters, face powder, etc. B. Malhamé. 190,385; Mar. 18.
Pills, Laxative. R. Robinson. 191,141; Mar. 18.
Pills or tablets for constipation. D. Klebanoff. 190,887; Mar. 18.
Poisoned kernels to kill rodents, etc. J. B. Meyers. 190,698; Mar. 18.
Powder, Face. F. M. Prindle. 190,978; Mar. 18.
Salve, Scalp. J. Ebert. 191,124; Mar. 18.
Toilet preparation, Deodorant. COB Company. 190,957; Mar. 18.
Tooth paste and preparation for pyorrhea, Medicated. M. C. Hutchison. 191,129; Mar. 18.

CLASS 8.

Pipes. S. S. Pierce Co. 174,857; Mar. 18.

CLASS 13.

Chains, plumbing chains, key rings. Bead Chain Manufacturing Company. 190,489; Mar. 18.
Pipes, Metal. United Lined Tube & Valve Co. 190,320; Mar. 18.
Valves for pipe lines, Metal. Belknap Mfg. Co. 191,051; Mar. 18.

CLASS 14.

Bearing metal. Arthur Harris & Company. 185,580; Mar. 18.
Coke tin plate, one-pass cold-rolled black sheets, etc. Trumbull Steel Company. 187,550; Mar. 18.

CLASS 15.

Gasoline. Interocean Oil Company. 184,859; Mar. 18.
Gasoline, kerosene, naphtha, fuel oils, etc. Louisiana Oil Refining Corporation. 190,844–5; Mar. 18.
Oil, Lubricating. E. S. McMakin. 189,510; Mar. 18.
Oils, Lubricating. Tide Water Oil Company. 192,159–60; Mar. 18.

CLASS 16.

Coating for plastered walls. J. R. Crockford. 179,854; Mar. 18.
Oil and floor polish, Cleaning. Scotch Oil Company. 190,655; Mar. 18.
Paint and varnish from brushes and hardwood floors, Product for removing. Absorene Manufacturing Company. 190,438; Mar. 18.
Thinners, colors, varnishes, Paint. C. A. Willey Company. 191,457; Mar. 18.
Walls and ceilings, Powder for mixing with water and applying to. J. R. Crockford. 179,856; Mar. 18.

CLASS 17.

Cigars, cigarettes, cheroots, and smoking tobacco. R. J. Seidenberg Company. 191,350; Mar. 18.

CLASS 19.

Automobile spring bumpers. Giant Spring Bumper Co. 190,332; Mar. 18.
Busses, Motor. New York Transportation Co. 189,576; Mar. 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 21.

Apparatus and equipment in paging service, fire-alarm service, watchman's supervisory service, etc. Autocall Company. 189,546; Mar. 18.
Batteries, Dry. National Carbon Company. 190,202; Mar. 18.
Batteries, Storage, radio, ignition, and lighting. Staar Storage Battery Co. 188,936; Mar. 18.
Battery-charging apparatus and parts thereof. Eagle Carburetor Company. 189,155; Mar. 18.
Burners, Electric controlling devices for hydrocarbon. J. Scheminger, jr. 188,574; Mar. 18.
Cleaners, Electric suction. Apex Electrical Manufacturing Company. 188,520; Mar. 18.
Detectors and rectifiers, Crystal. Erisman Laboratories. 190,248; Mar. 18.
Electric-lighting fixtures. E. M. Viquesney. 185,884; Mar. 18.
Electric switch. J. A. Merritt. 184,176; Mar. 18.
Electrical apparatus. C. A. Friedrich. 191,126; Mar. 18.
Electrical apparatus. R. H. Herschman. 190,726; Mar. 18.
Filament-heating transformers and parts thereof. Eagle Carburetor Company. 188,897; Mar. 18.
Radio coupling transformer. F. R. Hoyt. 190,297; Mar. 18.
Radio electrical appliances and component parts thereof. Electrical Research Laboratories. 188,954–7; Mar. 18.
Radio loud speakers. Multiple Electric Products Company. 189,371; Mar. 18.
Radio receiving sets. Sec Tron Radio Co. 188,974; Mar. 18.
Radio receiving sets. Walter Lytton, Inc. 187,947; Mar. 18.
Radio receiving sets, transformers, loops, and sockets. Mercury Radio Products Company. 188,601; Mar. 18.
Radio receiving sets using phonographs, Complete. Radionograph Corporation of America. 188,972; Mar. 18.
Radio sets, Audio-frequency transformer for use in. Ford Mica Company. 188,673; Mar. 18.
Radio sets, Complete. Hoffman-Corr Manufacturing Co. 190,686; Mar. 18.
Rail bonds. Rail Welding & Bonding Company. 186,157; Ma.. 18.
Shoe-shining machines. Hermes Manufacturing Company. 155,499; Mar. 18.
Variometers, variocouplers, transformers, etc. Pearl Radio Corporation. 188,970; Mar. 18.
Wireless apparatus, Vacuum tubes for use with. O. Herschkowitz. 191,315; Mar. 18.
Wires for electrical purposes, Platinum-substitute and tubulated. Nitram Products Company. 189,577; Mar. 18.

CLASS 22.

Dice and other game counters, Rotatable. Sherman and Allen. 174,055; Mar. 18.
Game. Charles Wagenführ Co. 188,032; Mar. 18.

CLASS 23.

Boring machines, clutches, bore chucks, etc. Automat-Industrie-Gesellschaft m. b. H. 181,805; Mar. 18.
Hair-cutting machines, safety razors, etc. F. Kober. 158,276; Mar. 18.
Metal-working machines. Bullard Machine Tool Co. 189,658; Mar. 18.
Motors, Oiling systems for internal-combustion. Roland & Koch. 175,271; Mar. 18.
Motors, transmission gearing, cylinders, etc. Flint & Walling Mfg. Co. 186,985; Mar. 18.
Pistons for engines. Ringless Piston and Supply Company. 190,208; Mar. 18.
Pocketknives, razors, scissors, shears, scythes, etc. Wimberly & Thomas Hardware Company. 189,542; Mar. 18.
Reamers. Gisholt Machine Company. 189,669; Mar. 18.
Water-supplying systems. J. E. Sargent. 189,919; Mar. 18.

CLASS 24.

Ironing and washing machines, Clothes. Apex Electrical Manufacturing Company. 188,515; Mar. 18.
Washing and ironing machines, Laundry. Holland Maid Co. 188,907; Mar. 18.
Washing machines. Double Service Washing Machine Company. 179,858; Mar. 18.

CLASS 26.

Ammeters for automobiles. Northern Engraving Company. 190,310; Mar. 18.
Butter-fat-testing and butter-moisture-testing apparatuses and instruments and parts thereof, etc. Fucoma Company. 188,751; Mar. 18.
Camera for standard films and accessories for this camera, Motion-picture. Ica Aktiengesellschaft. 189,359; Mar. 18.
Cinema films, lanterns, etc. G. E. Studdy. 190,748; Mar. 18.
Temperatures within coal piles, Devices for indicating. Protectometer Company. 181,454; Mar. 18.

CLASS 27.

Watches. Bulova Watch Company. 190,829; Mar. 18.
Watches and clocks. Luminite Corporation. 190,057; Mar. 18.
Watches and parts thereof. Fabriques Movado. 188,628; Mar. 18.
Watches and watchcases. Elgin National Watch Company. 189,497; Mar. 18.
Watches, watch cases and movements. I. & S. Prutinsky & Woolf. 189,520; Mar. 18.
Watches, watch movements, and parts of the same. Societe Anonyme Fabrique d'Horlogerie Fritz Moeri. 188,776–7; Mar. 18.

CLASS 28.

Buttons, tie holders, scarf pins, etc., Cuff and collar. Taunton Pearl Works, Inc. 156,203; Mar. 18.
Pearls. B. Cohen. 190,282; Mar. 18.
Pearls, Imitation. Samstag & Hilder Bros. 181,616; Mar. 18.

CLASS 32.

Rubber seat pads. G. S. Frazier. 189,772; Mar. 18.

CLASS 33.

Glassware, Table. Nonik Glassware Corporation. 189,007; Mar. 18.

CLASS 34.

Furnaces, heaters, and draft attachments, etc., Coal. Craigulator Service Corporation. 187,406; Mar. 18.

CLASS 35.

Tire protectors. J. T. Brown. 183,330; Mar. 18.

CLASS 36.

Phonograph records. Kiddie Rekord Company. 174,695; Mar. 18.
Saxophone, etc., Attachment for the protection of the reed of a. Keach and Greene. 188,632; Mar. 18.

CLASS 37.

Envelopes, letter paper, blank books, etc. Curtis 1000 Incorporated. 190,577; Mar. 18.
Identification equipments. E. B. Rankin. 186,199; Mar. 18.
Paper, Toilet. Whitaker Paper Company. 190,860; Mar. 18.
Pencils. Louis F. Dow Company. 187,610; Mar. 18.
Pencils, Copying-ink. Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis. 189,791; Mar. 18.
Pencils, erasers, etc. Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis. 189,792; Mar. 18.
Pencils, pencil refills, and penholders. Kohinoor Bleistiftfabrik L. & C. Hardtmuth in Budweis. 189,794; Mar. 18.
Pens, Fountain. J. D. Snow. 187,882; Mar. 18.

CLASS 38.

Books. Ronald Press Company. 190,061–4; Mar. 18.
Cards, Inspiration. Cheer Leader & Co. 189,887; Mar. 18.
Greeting folders. Bridgman-Rudge. 190,669; Mar. 18.
Posters, Commercial art. G. L. Miller. 190,201; Mar. 18.
Publication, Trade. Seed Trade News, Inc. 190,432; Mar. 18.
Publications. B. Krog. 173,501–2; Mar. 18.
Stamps, Trading. W. E. Long. 196,695; Mar. 18.

CLASS 39.

Boots and shoes. A. Freedman & Sons, Inc. 188,363; Mar. 18.
Boots and shoes, Leather. Napiers Booterie. 179,417; Mar. 18.
Caps, Boudoir, bathing, and dusting. B. F. Holmes. 174,394; Mar. 18.
Clothing for men, Outer. Crugers, Inc. 183,364; Mar. 18.
Coats and capes, Ladies'. J. Shultz. 179,117; Mar. 18.
Coats, vests, and sweaters for men, Knitted sport. Grushlaw & Sichel. 190,454; Mar. 18.
Collars, Men's. Biltrite Collar Company. 191,360; Mar. 18.
Corsets. Manhattan Corset Company. 189,132; Mar. 18.
Dresses. Art Silk Knitting Mills. 186,626; Mar. 18.
Dresses and nurses' uniforms, House. Associated Merchandising Corporation. 189,230; Mar. 18.
Dresses, Children's. Rosenau Bros. Inc. 190,131; Mar. 18.
Dresses, gowns, frocks, and suits. G. Dwyer. 191,123; Mar. 18.
Dresses, waists, and coats, Ladies'. Stecker, Inc. 185,096; Mar. 18.
Dresses, Wash. Coast Garment Co. 178,375; Mar. 18.
Garments, Outer. I. Appelbaum. 191,118; Mar. 18.
Gloves, Fabric. Julius Kayser & Co. 188,419; Mar. 18.
Hats and caps for men and women. G. G. Drouin. 186,357; Mar. 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hose supporters, suspenders, garters, half sleeves, etc. F. A. Patrick & Co. 191,402; Mar. 18.
Hosiery. Heyman & Bissinger Inc. 190,727; Mar. 18.
Hosiery. Mystyle Hosiery Shops, Inc. 188,022; Mar. 18.
Hosiery, Children's. True Shape Hosiery Company. 175,534; Mar. 18.
Neckties. B. Weisberg. 189,541; Mar. 18.
Neckties and scarfs. Star Knitting Mills, Inc. 190,391; Mar. 18.
Overalls, coats, jumpers, pants, and work shirts. High Point Overall Co. 189,053; Mar. 18.
Overalls, jackets, and one-piece garments. Riverside Manufacturing Company. 191,096; Mar. 18.
Overcoats, suits, raincoats. M. H. Lambert. 190,299; Mar. 18.
Shirts. J. D. Silberstein & Sons, Inc. 186,678; Mar. 18.
Shirts, nightshirts, pyjamas, boys' and women's blouses. Cohn-Goldwater Company. 190,331; Mar. 18.
Shoes. A. A. Kohn. 190,347; Mar. 18.
Shoes. Moore Shoe Company. 182,985; Mar. 18.
Shoes and slippers. Kaufmann Department Stores, Inc. 190,728; Mar. 18.
Shoes and slippers, Leather. Kaufmann Department Stores, Inc. 179,373; Mar. 18.
Suits, etc., Play, wash, flapper, baseball, and hiking. Elbart Co. 189,711; Mar. 18.
Suits, Play. Riverside Manufacturing Company. 191,097; Mar. 18.
Sweaters, bathing suits, and hosiery. M. A. Lesser. 188,156; Mar. 18.
Undergarments, Ladies' muslin and silk. Creston & Demby. 183,821; Mar. 18.
Waterproofed pants, Infants'. Featherweight Products Corporation. 191,063; Mar. 18.

CLASS 40.

Hairpins, needles, snap fasteners, etc. H. J. Wenglein's Norica- & Herold-Werke Nürnberg-Schwabacher Nadelfabriken G. m. b. H. 176,662; Mar. 18.

CLASS 42.

Cloths and stuffs of wool, worsted, or hair. John Taylors, Limited. 190,986; Mar. 18.
Cotton piece goods. American Printing Company. 187,186; Mar. 18.
Cotton piece goods. J. C. Penney Company. 191,505; Mar. 18.
Hollands, Cotton window. John King & Son. 186,193; Mar. 18.
Silk, cotton, linen, etc., piece goods. Haas Brothers Fabrics Corporation. 191,880; Mar. 18.
Silk fabrics, Artificial-. Chopak Textile Co. 189,932; Mar. 18.
Silk piece goods, Artificial-. Theo. Tiedemann & Sons, Inc. 191,851; Mar. 18.
Silk piece goods, Artificial-. Theo. Tiedemann & Sons, Inc. 191,853; Mar. 18.
Silk piece goods, Artificial-. Theo. Tiedemann & Sons, Inc. 191,855; Mar. 18.
Woolen, cotton, and woolen and cotton piece goods. Atlantic Mills. 191,470; Mar. 18.
Worsted dress goods. Garfield Worsted Mills. 188,198–200; Mar. 18.

CLASS 45.

Beverage sold as a soft drink. World Bottling Co. 189,022; Mar. 18.

CLASS 46.

Bread. Atlas Bread Factory. 170,615; Mar. 18.
Bread. Busse Baking Company. 181,557; Mar. 18.
Butter. C. W. Antony. 189,879; Mar. 18.
Butter. Blue Valley Creamery Co. 172,367; Mar. 18.
Butter and asparagus. H. B. Bates. 168,750; Mar. 18.
Butter and eggs. Bridgeman-Russell Co. 191,525; Mar. 18.
Butter, Creamery. A. F. Thibodeau Company. 188,283; Mar. 18.
Cabbage, tomatoes, beans, etc. C. W. Kress. 170,936; Mar. 18.
Cakes and cake mixture. Jaburg Bros. Inc. 191,488; Mar. 18.
Candies. A. L. Miller. 190,120; Mar. 18.
Candies and chocolates. Just Born, Inc. 190,166; Mar. 18.
Candies and ice cream. James Brothers. 187,866; Mar. 18.
Candy. C. J. Cordts. 183,096; Mar. 18.
Candy. Crystal Candy Co. 189,883; Mar. 18.
Candy. Curtiss Candy Company. 190,008; Mar. 18.
Candy. James Brothers. 187,867; Mar. 18.
Candy. King Candy Co. 170,586; Mar. 18.
Candy. W. H. Rupp. 189,989; Mar. 18.
Canned beans, peas, and coffee. Dunn & Thompson. 190,238; Mar. 18.
Canned fish. Mailliard & Schmiedell. 173,774; Mar. 18.
Canned fruits and vegetables. L. J. Le May Company. 190,505; Mar. 18.
Canned herrings. Norse Crown Canning Co. 185,488; Mar. 18.
Canned pineapple, fruit butters, and marmalades. Hawaiian Pineapple Company. 189,311; Mar. 18.
Canned vegetables. Gristede Bros., Inc. 170,283; Mar. 18.
Canned whole figs. Sussman, Wormser & Co. 188,449; Mar. 18.
Chocolates. Gates Home Made Candy Company. 181,340; Mar. 18.
Chocolates and candies. Home Supply Company. 191,021; Mar. 18.
Coffee. North Star Coffee Co. 178,457; Mar. 18.
Coffee. Northern Jobbing Company. 170,336; Mar. 18.
Coffee. World Coffee Company. 180,201–2; Mar. 18.
Coffee, Green. Steinwender, Stoffregen & Co. 173,941–2; Mar. 18.
Coffee, Roasted. Alex. Sheppard and Sons, Inc. 189,014; Mar. 18.
Coffee, tea, cocoa, pepper, etc. L. F. Flower. 190,249; Mar. 18.
Corn, Ensilage. T. W. Wood & Sons. 167,791; Mar. 18.
Dietetic fat compound. Intarvin Co. 187,061; Mar. 18.
Edible shells. Pfaffmann Egg Noodles Company. 191,447; Mar. 18.
Feed, Animal. R. O. Kiepinger. 190,416; Mar. 18.
Feed, Stock. Quaker Oats Company. 188,567; Mar. 18.
Feeds, and fattening and egg mash, Poultry, stock, etc. Cranston-Liggett Grain & Feed Company. 191,602; Mar. 18.
Feeds, Dairy, chicken, and stock. W. M. Cosby Flour & Grain Co. 181,817; Mar. 18.
Fish, oysters, and lobsters, Fresh and canned. J. A. Shevlin. 174,113; Mar. 18.
Flour, Buckwheat. F. A. Bowles. 171,898; Mar. 18.
Flour, Self-rising. Acme Mills. 191,461; Mar. 18.
Flour, Wheat. Federal Mill & Elevator Co. 191,610; Mar. 18.
Flour, Wheat. Lawrenceburg Roller Mills Co. 191,329; Mar. 18.
Flour, Wheat. Schultz, Baujan & Company. 179,226; Mar. 18.
Flour, Wheat. Thompson Milling Co. 189,740; Mar. 18.
Flours and corn meal. Delphos Milling Co. 191,477; Mar. 18.
Food for infants. Mead Johnson & Company. 180,479; Mar. 18.
Foods, Cattle and chicken. J. H. Colgrove Co. 191,673; Mar. 18.
Fruits, Fresh citrous. Plymouth Citrous Growers Ass'n. 189,583; Mar. 18.
Fruits, Fresh deciduous. Prestidge Fruit Co. 183,991; Mar. 18.
Fruits, Tropical. Minute Tapioca Company. 182,382; Mar. 18.
Fudge and candies. M. V. Burr. 171,683; Mar. 18.
Grapes, deciduous fruits, and berries, Fresh. Woodbridge Fruit Company. 182,950; Mar. 18.
Hams and bacon. E. M. Todd Co. 177,635; Mar. 18.
Ice-cream sandwiches, cake, ice cream, etc. H. P. Page. 187,439; Mar. 18.
Icing, Cake. Swinney and Swinney. 190,319; Mar. 18.
Milk, Chocolate malted. Comalt Co. 189,760; Mar. 18.
Milk, Malted. Horlick's Malted Milk Company. 190,054; Mar. 18.
Molasses, Corn-sugar. Corn Products Refining Company. 191,170; Mar. 18.
Mustard, Salad. Canby, Ach & Canby Co. 190,233; Mar. 18.
Oranges, grapefruit, tangerines, etc. Roberts Bros. & Company. 190,611; Mar. 18.
Pecans. National Pecan Growers Exchange. 185,875; Mar. 18.
Potato chips and horse-radish. H. E. Mosher. 190,803; Mar. 18.
Potatoes, Raw. J. E. Walker. 190,364; Mar. 18.
Powder, Dessert. Alfred Bird and Sons, Limited. 187,033; Mar. 18.
Preparations of cocoa, chocolate, sugar, and milk, in powdered form. Murray Company. 190,550; Mar. 18.
Scrapple, hams, and bacon. P. C. Squire. 174,982; Mar. 18.
Sugar, currants, bouillon cubes, etc., Powdered. H. T. Quinlan & Company. 174,752; Mar. 18.
Tomato paste. F. G. Favaloro Sons Inc. 189,189–90; Mar. 18.
Tomatoes, Peeled. Societa Anonima Bonifiche Pontine. 180,267; Mar. 18.
Yeast, Compressed. Fleischmann Company. 147,019; Mar. 18.

CLASS 48.

Sirup, Malt. Ebling Company. 189,887; Mar. 18.

CLASS 49.

Alcohol, Pure grain. Chicago Grain Products Co. 190,576; Mar. 18.

CLASS 50.

Canvas and canvas duck. Peoria Tent & Awning Company. 172,614; Mar. 18.
Printing, Dry flongs for. F. C. G. Mincel. 185,225; Mar. 18.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrahams, Julius, Millbourne, Pa. Combined phonograph-record cleaner and needle holder. 1,487,181; Mar. 18.

Adams, James L., jr., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Automobile switch. 1,487,002; Mar. 18.

Adams, James L., jr., Milwaukee, Wis., assignor to Westinghouse Electric & Manufacturing Company. Automobile switch. 1,487,003; Mar. 18.

Adams, Robert C., Lincoln, England. Duplicating apparatus. 1,487,423; Mar. 18.

Adams, Robert L., Los Angeles, assignor to (Mrs.) M. J. Beebe, San Bernardino, Calif. Combination rack and bed. 1,487,084; Mar. 18.

Aeolian Company, The. (See Head, Robert, assignor.)

Ahlbell Battery Container Corporation. (See Ahlgren, John M., assignor.)

Ahlgren, John M., Indianapolis, Ind., assignor to Ahlbell Battery Container Corporation, Waukegan, Ill. Container. 1,487,424; Mar. 18.

Ainsworth, Chester D., Wollaston, assignor to S. B. Condit, jr., Boston, Mass. Electric switch. 1,487,425; Mar. 18.

Aktieselskabet Drammens Armaturfabrik. (See Skaarnäs, Christian, assignor.)

Albrecht, George F., and H. Brook, assignors to Woonsocket Machine & Press Co., Inc., Woonsocket, R. I. Roving frame. 1,487,685; Mar. 18.

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Tin sinter and producing same. 1,487,132; Mar. 18.

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Forming iron-tin alloy. 1,487,133; Mar. 18.

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering tin. 1,487,134; Mar. 18.

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering occluded tin. 1,487,135; Mar. 18.

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Electrolytic refining of tin. 1,487,136; Mar. 18.

Alexander, James, Pittsfield, Mass. Suspenders. 1,487,211; Mar. 18.

Allday, Clifford. (See Williams, Leslie E., assignor.)

Allee, William L., Topeka, Kans. Toy gun. 1,486,848; Mar. 18.

Allen, Carlton H., Glens Falls, N. Y., assignor of one-half to Great Northern Paper Company, Millinocket, Me. Strainer for pulp digesters. 1,487,004; Mar. 18.

Aller, Carl, Detroit, Mich. Safety seat for window cleaners. 1,486,942; Mar. 18.

Alliance Machine Company, The. (See Shutt, Milo, assignor.)

Alma Manufacturing Company of Baltimore City. (See Kerngood, Allen H., assignor.)

American Button & Fastener Co. (See Elliott, William E., assignor.)

American Chain Company. (See Goetz, Oscar H., assignor.)

American Fabrics Company, The. (See Barnum, Harry B., assignor.)

American Fabrics Company, The. (See Page, Samuel H., assignor.)

American Fabrics Company, The. (See Philips, Hans A., assignor.)

American Fibre Cooperage Company. (See Smith, Herbert J., assignor.)

American Lithographic Company. (See Dietsche, Adolph, jr., assignor.)

American Machine & Foundry Company. (See Gwinn, George W., assignor.)

American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)

American Optical Company. (See Beers, George S., assignor.)

American Smelting and Refining Company. (See Alexander, Harry H., assignor.)

American Smelting and Refining Company. (See Linville, Clarence P., assignor.)

American Smelting and Refining Company. (See Stack, James R., assignor.)

American Steel and Wire Company of New Jersey, The. (See Rose, George H., assignor.)

American Voith Contact Company. (See Priem, Paul, assignor.)

Anderson-Endebrock Company. (See Regan, Paul T., assignor.)

Andreu, Paul, and R. Paquet, Paris, France. Fixation of nitrogen by means of titanium and its transformation into industrial products. 1,487,521; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,230; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,231; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,232; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,233; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,234; Mar. 18.

Andrews, Frederick A., Brooklyn, N. Y., assignor to Esmond Mills, Smithfield, R. I. Blanket. Des. 64,235; Mar. 18.

Andrews, Marion A., Yuma, Ariz. Door fastener. 1,487,522; Mar. 18.

Andrews, Searle E., Washington, D. C. Tank. 1,487,426; Mar. 18.

Ansonia Clock Co. (See Treganza, Howard J., assignor.)

Apatow, Simon L., New York, N. Y. Brush. 1,487,523; Mar. 18.

Apostolaki, John, Detroit, Mich. Game board. 1,487,137; Mar. 18.

Asbury, Dorsey F., Washington, D. C. Spring shackle. 1,487,427; Mar. 18.

Atwood, George F., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Detecting the direction of underwater vibrations. 1,487,138; Mar. 18.

Audet, Arthur, Concord, N. H. Ice bunker. 1,486,849; Mar. 18.

Auto Kontrol Lock Corporation. (See Siegel, Ernest, assignor.)

Automatic Electric Company. (See Jacobsen, Emil, assignor.)

Avery, Harry R., and G. Rietveld, Knoxville, Iowa. Sportsman's license holder and protector. 1,486,850; Mar. 18.

Avon Sole Company. (See Cary, William H., assignor.)

Badische Anilin & Soda Fabrik. (See Mittasch, A., Willfroth, and Bals, assignors.)

Baer, Julius, assignor to Webbing & Edging Corporation, New York, N. Y. Bias trimming. Des. 64,236; Mar. 18.

Baker, Henry S., Niagara Falls, Ontario, Canada, assignor to General Electric Company. Regulating system. 1,487,504; Mar. 18.

Balderston, William, assignor to French Battery & Carbon Co., Madison, Wis. Battery. 1,487,428; Mar. 18.

Balderston, William, assignor to French Battery & Carbon Co., Madison, Wis. Battery. 1,487,429; Mar. 18.

Balderston, William, assignor to French Battery & Carbon Co., Madison, Wis. Battery. 1,487,430; Mar. 18.

Baldwin, Wilbert M., Mason, Mich. Saw-filing machine. 1,486,851; Mar. 18.

Bals, Otto. (See Mittasch, A., Willfroth, and Bals.)

Bambach, John J., Wilkes-Barre, Pa. Shock absorber. 1,487,524; Mar. 18.

Barach, Joseph, Chicago, Ill. Ellipsograph. 1,487,044; Mar. 18.

Baratta, Angelo, et al. (See Barchiesi, Aurelio, assignor.)

Barber, T. I. (See Epps, Joseph, assignor.)

Barchiesi, Aurelio, assignor of forty one-hundredths to A. Baratta, ten one-hundredths to A. Orrico, Jersey City, N. J., and twenty one-hundredths to G. Squarcialupi, New York, N. Y. Automatic valve closer. 1,487,505; Mar. 18.

Barenyi, Arpad, Berlin-Lichterfelde, Germany. Starter for internal-combustion engines. 1,487,193; Mar. 18.

Barger, Tom J., Oilton, Okla. Oil-well pump. 1,487,431; Mar. 18.

Barker, Ward T., Kansas City, Mo. Oil burner. 1,487,139; Mar. 18.

Barlow, Edward T., Manchester, England. Means for preventing splashing of mud or raising of dust by vehicle wheels. 1,486,852; Mar. 18.

Barney, Cecilia R., Palo Alto, Calif. Doll. Des. 64,237; Mar. 18.
Barnum, Harry E., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 64,278; Mar. 18.
Barnum, Harry E., Stratford, Conn., assignor to The American Fabrics Company. Lace. Des. 64,279; Mar. 18.
Barrier, Joseph A., Oakland, Calif. Piston ring. 1,487,306; Mar. 18.
Barrows, Nathaniel H., et al. (See Wiseman, Goodwin W., assignor.)
Barsky, Mayer, and H. Farber, New York, N. Y. Hat. 1,486,853; Mar. 18.
Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe head. 1,486,854; Mar. 18.
Bascome, Clarence, Cleveland, Ohio. Alarm mechanism. 1,487,525; Mar. 18.
Bashlin, William M., De Land, Fla. Concrete building block. 1,487,529; Mar. 18.
Batea, William O., jr., Joliet, Ill. Percolator and the like. 1,486,943; Mar. 18.
Batten, Percy H. (See Fawick, T. L., and Batten.)
Baumgarten, Edward J. (See Bowers, J. A., and Baumgarten.)
Baxter, Harold G., Baldwin, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Safety-switch interlock. 1,486,855; Mar. 18.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device for rock drills. 1,487,000; Mar. 18.
Beach, Clarence E., Binghamton, N. Y. Signaling system. 1,487,194; Mar. 18.
Beach, James E., jr., Fairoaks, Calif. Doll. Des. 64,238; Mar. 18.
Bean, Joseph S., Mill Village, N. H. Rail-securing means. 1,487,432; Mar. 18.
Beaver, Mathew J., Loyal, Wis. Washing machine. 1,487,140; Mar. 18.
Beck, Carl H., Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety car-control equipment. 1,486,856; Mar. 18.
Beckett, Frederick W., New Haven, Conn. Memorandum case. 1,487,433; Mar. 18.
Beebe, (Mrs.) M. J. (See Adams, Robert L., assignor.)
Beers, George S., assignor to American Optical Company, Southbridge, Mass. Case. 1,487,006; Mar. 18.
Beidt Brassiere Company, The. (See Silkerman, Harry, assignor.)
Bemis, John R., Springfield, Mass. Traveling case. 1,486,857; Mar. 18.
Bennis, Alfred W., Bolton, England. Adjustable fire bridge for furnaces having movable grates. 1,487,527; Mar. 18.
Bergen, Harry S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,486,944; Mar. 18.
Bergner, John C. (See Morris, F. E., and Bergner.)
Bergren, John A., Lake Park, Minn., assignor to C. E. Youngberg, Seattle, Wash. Lever. 1,487,141; Mar. 18.
Berka, Charles, New York, N. Y. Propelling apparatus for water sports and for life saving. 1,487,268; Mar. 18.
Berthold, Gustave W., Chicago, Ill. Panel board. 1,487,269; Mar. 18.
Best, Frank E., assignor to F. E. Best, Inc., Seattle, Wash. Lock. 1,487,307; Mar. 18.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Beverage, Harold H., Riverhead, N. Y., assignor to General Electric Company. Radio receiving system. 1,487,306; Mar. 18.
Bicknell, J. F., Lumber Company. (See Lewis, George W., assignor.)
Biedekapp, Helen F., Walton, N. Y. Flat-sided washtub. 1,486,945; Mar. 18.
Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. 1,487,007; Mar. 18.
Billon, Frederic. (See Schneider, J., Billon, and Hurlimann.)
Binder, Leo J., Spokane, Wash. Grate. 1,487,528; Mar. 18.
Birdsey, Charles K., Hinsdale, assignor to United States Gypsum Company, Chicago, Ill. Plaster lath. 1,487,370; Mar. 18.
Bishop-Babcock-Becker Company, The. (See Weatherhead, Edward H., assignor.)
Bishop, John L., Beetown, Wis. Sliding door. 1,487,045; Mar. 18.
Black, William L., Kansas City, Kans. Combination pennant and flag holder. 1,487,008; Mar. 18.
Blackman, Vere C., Fond du Lac, Wis., assignor to The National Automatic Tool Co., Richmond, Ind. Multiple drill. 1,487,196; Mar. 18.
Blackmer, Waldo H., New York, N. Y., assignor to Tredt-Smith Company. Plane blade. 1,487,529; Mar. 18.
Blackshear, Robert K., Corsicana, Tex. Paste tube and brush holder. 1,487,065; Mar. 18.
Bledsoe, Carl F., Chicago, Ill. Material-handling device. 1,487,196; Mar. 18.
Blickman, Saul, Far Rockaway, N. Y. Workholder for polishing machines. 1,487,506; Mar. 18.
Blocksom, Berget H., Michigan City, Ind. Carpet liner. 1,486,858; Mar. 18.
Blood, Burr B., assignor, by mesne assignments, to Jewel Phonoparts Company, Chicago, Ill. Stop for phonographs. 1,486,859; Mar. 18.
Blum, Albert H., and D. T. Shanahan, Greenville, Miss. Dustguard case for automobiles. 1,487,009; Mar. 18.
Blumenthal Sidney, & Co., (See Gowans, James, assignor.)
Blumenthal, Sidney, & Co. (See Kozlay, Clarence V., assignor.)
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage-regulating system. 1,486,860; Mar. 18.
Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage regulator. 1,486,861; Mar. 18.
Boesch, Gustav, Danbury, Conn. Plucking machine. 1,487,645; Mar. 18.
Bohli, Jacques, assignor to the Firm Scintilla, Solothurn, Switzerland. Friction clutch. 1,487,010; Mar. 18.
Boker, Vitus A., Minneapolis, Minn. Skate-grinding machine. 1,487,142; Mar. 18.
Bold, Frederick W., Chelsea, assignor to Boston Clock Company, Boston, Mass. Intermittently-operated actuating mechanism. 1,487,434; Mar. 18.
Booth, James S., Detroit, Mich. Adjustable pedal. 1,487,197; Mar. 18.
Booth, William T., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Airplane signaling apparatus. 1,487,309; Mar. 18.
Boston Clock Company. (See Bold, Frederick W., assignor.)
Boston Machine Works Company. (See Osgood, Walter P., assignor.)
Bouthillier, Alphida J., Providence, R. I. Shoe. 1,487,310; Mar. 18.
Bowden, J. B., & Co. (See Bowden, Martin L., assignor.)
Bowden, Martin L., Brooklyn, assignor to J. B. Bowden & Co., New York, N. Y. Ring. Des. 64,280; Mar. 18.
Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Current collector for electric vehicles. 1,487,311; Mar. 18.
Bowers, Jesse A., Wilkes-Barre, Pa., and E. J. Baumgarten, Canton, Ohio. Spring forming and tempering machine. 1,487,530; Mar. 18.
Bowman, Newton K. (See Dillon, James F., assignor.)
Bowman, Newton K., North Lawrence, Ohio. Mining-machine bit. 1,487,198; Mar. 18.
Bradner, Harry E., Fremont, Ohio, assignor, by mesne assignments, to The Twin-Plex Reversible Window Company, Inc., Buffalo, N. Y. Window structure. 1,487,199; Mar. 18.
Braisted, Edward J., Flushing, N. Y. Ventilator for vehicles. 1,487,507; Mar. 18.
Brandock, Andrew S., Pueblo, Colo. Engine driving box. 1,486,862; Mar. 18.
Breese, Victor, Brighton, England. Control device for electrically-driven lifts, cranes, winches, and like apparatus for dealing with variable loads. 1,487,435; Mar. 18.
Brendle, Julius, Zurich, Switzerland. Workman's time recorder. 1,487,143; Mar. 18.
Brewster, William D., Syracuse, assignor to National Brake Company, Inc., Buffalo, N. Y. Car-brake-operating mechanism. 1,487,531; Mar. 18.
Brewster, William D., Syracuse, assignor to National Brake Company, Buffalo, N. Y. Car-brake-operating mechanism. 1,487,532; Mar. 18.
Bresovits, Anton, and A. L. Herr, South Bend, Ind. Automatic dump car. 1,487,200; Mar. 18.
Bresovits, Anton, and A. L. Herr, South Bend, Ind. Dump car. 1,487,201; Mar. 18.
Brhel, John W. (See Palmer, H. D., and Brhel.)
Brockton Heel Company. (See Hattenbach, Nate, assignor.)
Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Electric system for generating units. 1,487,693; Mar. 18.
Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Circuit breaker. 1,487,694; Mar. 18.
Brook, Harry. (See Albrecht, G. F., and Brook.)
Brookins, Andrew J., Chicago, Ill. Train-control signal. 1,486,946; Mar. 18.
Brooks Andrew J., St. Joseph, Mo., assignor, by mesne assignments, to Standard Oil Company, Indiana, Chicago, Ill. Air-hose protector. 1,487,436; Mar. 18.
Brooks, Winfred M., South Orange, N. J. Sealing means. 1,486,947; Mar. 18.
Brown, Albert, assignor to Vogt Mfg. Corporation, Rochester, N. Y. Finishing strip. 1,487,508; Mar. 18.
Brown, Cora E., White Plains, N. Y. Reproducer for phonographs. 1,487,371; Mar. 18.
Brown, William H., St. Louis, Mo. Optical instrument. 1,487,011; Mar. 18.
Brownlee, Homer C. (See Nichols, E. B., and Brownlee.)
Brune, Louis J., sr., Algiers, La. Combined vehicle jack and tire tool. 1,487,437; Mar. 18.
Bruner, William L., Wichita Falls, Tex. Clutch and brake combined. 1,487,086; Mar. 18.
Bryan, James B., Hutchinson, Kans. Valve-seating tool. 1,487,533; Mar. 18.
Bryant Electric Company, The. (See Thomas, George B., assignor.)

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Continuously-loaded signaling conductor. 1,486,863; Mar. 18.
Ball, William R., Springfield, Mass. Flash hider. 1,487,312; Mar. 18.
Bulman, Elvah O., Grand Rapids, Mich. Latch construction. 1,487,313; Mar. 18.
Bunten, Alpheus C., Council Bluffs, Iowa, assignor of one-half to M. B. Harding, Omaha, Nebr. Adjustable bushing. 1,487,534; Mar. 18.
Buren, James A., Tacoma, Wash. Tobacco can. 1,487,535; Mar. 18.
Burgess, Thomas, assignor of one-half to J. B. Crum, Vandalia, Mo. Brace for automobile fenders. 1,486,948; Mar. 18.
Burke, Charles R., assignor to L. P. Burke, Tulsa, Okla. Method and apparatus for refining hydrocarbons. 1,487,438; Mar. 18.
Burke, Louise P. (See Burke, Charles R., assignor.)
Burnett, David E., and A. J. Kemmel, Cincinnati, Ohio. Pocket match pouch. 1,487,441; Mar. 18.
Burnham, George A., Saugus, assignor to S. B. Condit, jr., Brookline, Mass. Electric switch. 1,487,087; Mar. 18.
Burnham, George A., Saugus, assignor to S. B. Condit, jr., Brookline, Mass. Time-limit device. 1,487,439; Mar. 18.
Burnham, George B., Borosolvay, Calif. Recovering various salts from saline liquors. 1,487,046; Mar. 18.
Bushlowitz, Hyman, Reading, Pa. Measuring and fitting form for body garments. 1,487,509; Mar. 18.
Butts, Alden J., Eaton Rapids, Mich. Fishing tool. 1,487,440; Mar. 18.
Callaway, Hugh L., Waukesha, Wis. Ironing board. 1,487,144; Mar. 18.
Campau, Merle G., Oconto, Nebr. Lens diaphragm. 1,487,536; Mar. 18.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door operating mechanism. 1,486,949; Mar. 18.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load-discharging car. 1,487,202; Mar. 18.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car. 1,487,203; Mar. 18.
Candee, L., & Company. (See Polleys, Herbert R., assignor.)
Cannon, Oliver C., Wilkinsburg, Pa. Direction indicator. 1,487,537; Mar. 18.
Carlson, Victor R., assignor of one-half to A. Hanson, Duluth, Minn. Automobile band-brake attachment. 1,487,204; Mar. 18.
Caron Brothers Incorporated. (See Lavalle, Joseph O. W., assignor.)
Caron, Martinus H., The Hague, Netherlands, assignor to Clevenger & Caron, Boston, Mass. Recovering values from nickel and cobalt-nickel ores. 1,487,145; Mar. 18.
Carothers, John N., and A. B. Gerber, Anniston, assignors to Federal Phosphorus Company, Birmingham, Ala. Removal of fluorine compounds from phosphoric acid. 1,487,205; Mar. 18.
Carroll, Edward M., Sanford, Fla. Side arch brick. 1,487,146; Mar. 18.
Cary, William H., Brockton, assignor to Avon Sole Company, Avon, Mass. Shoe. Re15,794; Mar. 18.
Casey, Charles C., Detroit, Mich. Phonograph-record holder and album. 1,487,088; Mar. 18.
Centrifugal Pipe Corporation. (See de Lavaud, Dimitri S., assignor.)
Chadek, James, Appleton, Wis. Attachment for wood-turning lathes. 1,487,538; Mar. 18.
Chadwick, Lee S., Shaker Heights Village, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Liquid-fuel burner. 1,487,206 Mar. 18.
Chaplin, Merle P., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Speed regulator. 1,487,314; Mar. 18.
Chicago Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
Chireix, Henri, Paris, France. Calling arrangement for signaling. 1,487,012; Mar. 18.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,486,864; Mar. 18.
Cincinnati Galvanizing Company, The. (See Heisel, John, assignor.)
Cincinnati Milling Machine Company, The. (See Hazelton, Robert T., assignor.)
Clark, Eugene F., Leaksville, N. C. Yarn-spool bearing. 1,487,442; Mar. 18.
Clarke, Frank Waco, Tex. Envelope-closing machine. 1,487,047; Mar. 18.
Clarke, John A., jr. (See Hall, A. J., Clarke, and Mardis.)
Clausing, Heinrich, Bochum, Germany. Gas valve. 1,487,207; Mar. 18.
Clements, Clarence W., assignor to Crankless Engine Company, Jacksonville, Fla. Oil pump. 1,487,539; Mar. 18.
Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)
Cleveland Switchboard Company, The. (See Hafemeister, Fred F., assignor.)
Clevenger & Caron. (See Caron, Martinus H., assignor.)
Clifton, William E., Nottingham, assignor to Clifftophone Limited, London, England. Diaphragm for sound-recording and sound-reproducing instruments. 1,487,013; Mar. 18.
Clifftophone Limited. (See Clifton, William E., assignor.)
Cobel, Ray, Newark, Ohio. Mail box. 1,487,372; Mar. 18.
Coburn, Ralph L., San Francisco, Calif. System of building construction. 1,487,212; Mar. 18.
Cocoa Products Company of America. (See Eddy, Clarence F., assignor.)
Coker, Thomas H., Hartsville, S. C. Display stand for merchandise. 1,487,540; Mar. 18.
Coleman, William C., Wichita, Kans. Separator. 1,487,089; Mar. 18.
Collier, Barron G., Incorporated. (See Philips, Harry E., assignor.)
Collins, George H. (See Lane, Johnson, assignor.)
Collins, James B., Tulsa, Okla. Accelerator. 1,487,090; Mar. 18.
Columbia Graphophone Manufacturing Company. (See Stuppan, Otto F., assignor.)
Compo-Tile Manufacturing Co. (See Fink, Edward, assignor.)
Condit, Sears B., jr. (See Ainsworth, Chester D., assignor.)
Condit, Sears B., jr. (See Burnham, George A., assignor.)
Conley, John E. (See Marden, J. W., Conley, and Thomas.)
Connely, Charles B., New Orleans, La., assignor to General Electric Company. Selective control system. 1,487,315; Mar. 18.
Consumers Coal and Ice Company. (See Dow, Peter, assignor.)
Coogan, Jesse, Salt Lake City, Utah. Apparatus and method of extracting the petroleum content from petroleum-bearing sand or shale. 1,487,541; Mar. 18.
Cook, Benjamin F., Portland, Oreg. Saw clamp or vise. 1,487,542; Mar. 18.
Cooke, Gordon C., Paterson, N. J., and J. A. Michal, Brooklyn, assignors to The Turbinator Company, Inc., New York, N. Y. Agitating and mixing device. 1,487,206; Mar. 18.
Cooper, Abraham, Brooklyn, N. Y. Lighting fixture. 1,487,443; Mar. 18.
Cooper, Simon, Brooklyn, N. Y., assignor to Ideal Wrapping Machine Company. Wrapping machine. 1,487,209; Mar. 18.
Corona Manufacturing Company. (See Seyffert, William J., assignor.)
Coseden & Company. (See Huggins, E. C., jr., and Smith, assignors.)
Coughlin, Francis A., Burnstad, N. Dak. Nose guard for draft animals. 1,487,147; Mar. 18.
Cramer, Albert N. (See Landrum, F. H., and Cramer.)
Crankless Engine Company. (See Clements, Clarence W., assignor.)
Crompton & Knowles Loom Works. (See Hattoy, Henri, assignor.)
Crosenworth, Earl E., Wilkinsburg, Pa. Spring oiler. 1,487,316; Mar. 18.
Crosenworth, Earl E., Wilkinsburg, Pa. Automatic tire-chain applier. 1,487,317; Mar. 18.
Crum, John B. (See Burgess, Thomas, assignor.)
Cruver, Curtis L., Chicago, Ill. Windshield attachment. 1,487,510; Mar. 18.
Curran, Edward T., Detroit, Mich. Liquid-cooling radiator. 1,487,148; Mar. 18.
Curtis, Arthur W., Seattle, Wash. Conveyer attachment. 1,486,950; Mar. 18.
Cutler-Hammer Mfg. Co., The. (See Packard, Horace N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Reed, Harrison P., assignor.)
Cutler-Hammer Mfg. Co., The. (See Yerger, Charles W., assignor.)
Cutler, Loren, Springfield, Ill. Float. 1,487,149; Mar. 18.
D. & B. Pump and Supply Company. (See Stevenson, Edward E., assignor.)
Davidson, Benjamin S. (See Poindexter, Franklin E., assignor.)
Davies, Henry R., New York, N. Y., assignor to Industrial Research Corporation, Toledo, Ohio. Starting and ignition system. 1,487,210; Mar. 18.
Davis, Frank R., Scarsdale, N. Y. First-aid kit. 1,487,014; Mar. 18.
Day, Bryan I., Fort Madison, Iowa. Toy animal. Des. 64,231; Mar. 18.
Day, Fred, Alcester, S. Dak. Flytrap. 1,487,091; Mar. 18.
Day, Thomas, Company. (Se Goddard, Wilfred B., assignor.)
Dayton Scale Company. (See Goss, Harry T., assignor.)
Deakin, Gerald, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Power-transmitting mechanism. 1,487,373; Mar. 18.
Deakins, Hixson C., Chattanooga, Tenn. Sling attachment for hospital beds. 1,487,150; Mar. 18.
Dean, John W. (See Williams, H. M., and Dean.)
Dean, Ruth L., administratrix. (See Williams, H. M., and Dean.)
De Bassini, Vera, New York, N. Y. Hair-dyeing comb. 1,487,374; Mar. 18.

Decker, William M., Buffalo, N. Y. Cushioned vehicle wheel. 1,486,864; Mar. 18.
Deegan, Daniel J., Springfield, Ohio. Roller bearer for printing presses. 1,487,444; Mar. 18.
De Forest, Harvey J., assignor to De Forest Products Company, Portland, Me. Rug builder. 1,487,318; Mar. 18.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J. Sound producer. 1,486,866; Mar. 18.
De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)
De Forest Products Company. (See De Forest, Harvey J., assignor.)
De Lavaud, Dimitri S., New York, N. Y. Rotary casting. 1,486,951; Mar. 18.
De Lavaud, Dimitri S., Paris, France, assignor, by mesne assignments, to Centrifugal Pipe Corporation. Centrifugal mold for casting pipe. 1,486,952; Mar. 18.
De Lavaud, Dimitri S., Paris, France, assignor, by mesne assignments, to Centrifugal Pipe Corporation. Rotary mold. 1,486,953; Mar. 18.
Detroit Automatic Engineering Co. (See Tiffin, John A., assignor.)
Devlin, John J., Princeton, N. J. Coat-collar spring. 1,487,048; Mar. 18.
Dexendorf, Richard L., Richmond Hill, N. Y. Gun. 1,487,213; Mar. 18.
Dexendorf, Richard L., Richmond Hill, N. Y. Firearm and ammunition therefor. 1,487,214; Mar. 18.
Dial, Richard T., Columbia, S. C. Floss container and paste expressor. 1,487,215; Mar. 18.
Dickey, Roy N., Seattle, Wash., assignor to Meets-A-Need Manufacturing Co. Flour sifter. 1,487,216; Mar. 18.
Dickinson, Harry L., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Power-take-off mechanism for motor vehicles. 1,487,445; Mar. 18.
Dietsche, Adolph, jr., assignor to American Lithographic Company, New York, N. Y. Display device. 1,487,049; Mar. 18.
Dietsche, Adolph, jr., assignor to American Lithographic Company, New York, N. Y. Display device. 1,487,050; Mar. 18.
Dillon, James F., Crown City, assignor to N. K. Bowman, Bowdil, Ohio. Mining-machine bit. 1,487,217; Mar. 18.
Dingel, Edward R., Detroit, Mich. Gauge. 1,487,092; Mar. 18.
Dingwall, Thomas E., Hutton, England. Sealing tool. 1,487,543; Mar. 18.
Dinsmore, Robert M., Little Falls, N. J. Transformer for radio receiving sets. 1,487,544; Mar. 18.
Ditson, Jesse, Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary-gear-motor hoist. 1,487,051; Mar. 18.
Dixon, Alvin M., Des Moines, Iowa. Windshield device for automobiles. 1,487,151; Mar. 18.
Doherty, Henry, jr., assignor to Henry Doherty Silk Company, Clifton, N. J. Twisting machine. 1,487,446; Mar. 18.
Doherty, Henry, Silk Company. (See Doherty, Henry, jr., assignor.)
Dominick, John, Massillon, Ohio. Shoe last. 1,487,545; Mar. 18.
Dorion, Ralph J. Binghamton, N. Y. Printing form. 1,487,546; Mar. 18.
Douglass, Napoleon B., Oakland, Calif. Folding bed. 1,487,218; Mar. 18.
Douvier, Lawrence T., Amboy, Ill. Safety device for railway crossings. 1,487,511; Mar. 18.
Dow, Peter, Lake Hopatcong, assignor of seventy-five per cent to Consumers Coal and Ice Company, Bayonne, N. J. Ice-cutting device. 1,487,547; Mar. 18.
Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle-box tension-controlling mechanism for looms. 1,487,093; Mar. 18.
Draper Corporation. (See Rhoades, Alonso E., assignor.)
Draver, Emil B., Richmond, Ind. Transmission mechanism for feeders connected in a gang. Re15,797; Mar. 18.
Dreis, Edward J., San Francisco, Calif. Multiple punch. 1,487,219; Mar. 18.
Droock, Aaron. (See Kaufmann, Jacob, assignor.)
Drumm, Charles P., jr., assignor to International Motor Company, New York, N. Y. Final drive for railway motor cars. 1,487,447; Mar. 18.
Duarte, Jesse S., Providence, R. I. Toilet-seat protector. 1,487,448; Mar. 18.
Duda, Oswald, assignor to C. E. Reed, Houston, Tex. Deep-well-drilling apparatus. 1,487,319; Mar. 18.
Dugger, Oscar L., Evansville, assignor to one-fourth to C. Moore, Vanderburgh County, Ind. Rotary valve for internal-combustion engines. 1,486,954; Mar. 18.
Dunham, Le Roy S., Bloomfield, assignor to New Jersey Patent Company, West Orange, N. J. Electrode element for galvanic batteries and producing the same. 1,486,955; Mar. 18.
Du Vigneau, George A. L. (See Gerling, A. A., and Du Vigneau.)
Dye, Glen M., and J. M. Welch, assignors to Pako Corporation, Minneapolis, Minn. Photoprinting machine. 1,486,867; Mar. 18.
Eastern Tool & Manufacturing Company. (See Montan, Adolph, assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. System of selective control. 1,487,320; Mar. 18.
Eddy, Clarence F., Waverly, Mass., assignor to Cocoa Products Company of America, Incorporated. Extraction of fats and oils. 1,487,449; Mar. 18.
Edgar, Frank, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Latch bearing. 1,486,956; Mar. 18.
Edison Storage Battery Company. (See Monahan, James F., assignor.)
Edmiston, Hugh C. (See Hasselle, George, assignor.)
Edwards, Edwin L., assignor to Edwards X-Ray Corporation, Indianapolis, Ind. Automatic electrical circuit controller. 1,487,152; Mar. 18.
Edwards X-Ray Corporation. (See Edwards, Edwin L., assignor.)
Egerton, Henry C., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Intercommunicating telephone system. 1,486,868; Mar. 18.
Ehrmann, Paul, Paris, France. Device for cooling electric machines. 1,487,221; Mar. 18.
Elam, J. F., Sales Service, Inc. (See Marsh, Esli A., assignor.)
Electric Outlet Company. (See Merrill, John J., assignor.)
Elias, John, Plum Coulee, Manitoba, Canada. Rotary hammer. 1,486,869; Mar. 18.
Elie, Fred J., Ogdensburg, N. Y., assignor of one-half to J. McFarrell, Cardinal, Ontario, Canada. Clothes hanger. 1,487,321; Mar. 18.
Elliott, William E., Lynn, Mass., assignor to American Button & Fastener Co., Augusta, Me. Fastener-attaching machine. 1,486,870; Mar. 18.
Elsi, Peter F., Denver, Colo. Ear tag. 1,487,220; Mar. 18.
Emery Candle Company, The. (See Gruesser, Henry, assignor.)
Endebrock, Robert A., Cincinnati, Ohio. Truck caster. 1,487,450; Mar. 18.
Engasser, Francis A., Helm, Calif. Attachment for headers. 1,487,094; Mar. 18.
England, Arthur E., Brooklyn, N. Y. Toothbrush container. 1,486,957; Mar. 18.
Enomoto, Daniel, Berkeley, Calif. Eraser. 1,487,062; Mar. 18.
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Eppa, Joseph, assignor of one-half to T. I. Barber, Williamston, S. C. Loom bobbin holder. 1,487,512; Mar. 18.
Esmond Mills. (See Andrews, Frederick A., assignor.)
Esters, Jacques G., Brooklyn, N. Y. Combined automobile tail light and license-plate illuminator. 1,487,548; Mar. 18.
Eustis, Augustus H., Milton, Mass. Valve for high fluid pressures. 1,487,646; Mar. 18.
Evans, Edward. (See Griffiths, Francis H., assignor.)
Evans, Evan, Berlin, Germany, assignor to General Electric Company. Guide bearing. 1,487,322; Mar. 18.
Evans, John, Salt Lake City, Utah. Laundry-pin releaser. 1,487,153; Mar. 18.
Evans, Thomas R., Philadelphia, Pa. Spectacles. 1,487,222; Mar. 18.
Everett, Stephen W., Topeka, Kans. Lighting system. 1,487,540; Mar. 18.
Fahlor, Frank M., Manorville, Pa. Feed gauge. 1,487,550; Mar. 18.
Farber, Harry. (See Barsky, M., and Farber.)
Farmer, Clyde C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Lubricator. 1,486,871; Mar. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load-brake device. 1,486,872; Mar. 18.
Farrington, John F., assignor to Western Electric Company, Incorporated, New York, N. Y. Circuits for electric discharge devices. 1,487,451; Mar. 18.
Fauser, Giacomo, Novara, Italy. Recovering nitrogen from residual ammonia oxidation gases. 1,487,647; Mar. 18.
Fawick, Thomas L., and P. H. Batten, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 1,487,223; Mar. 18.
Fazekas, Joseph, St. Paul, Minn. Fence and gate construction. 1,487,551; Mar. 18.
Federal Phosphorus Company. (See Carothers, J. N., and Gerber, assignors.)
Federal Telegraph Company. (See Fuller, Leonard F., assignor.)
Feig, Curt, Philadelphia, Pa. Knitted fabric. Des. 64,239; Mar. 18.
Feldmar, Adalbert B., Berlin, Germany. Fixing blocks for masonry. 1,487,053; Mar. 18.
Ferguson, Robert O., Bristol, Tenn. Protector for oil cocks. 1,487,054; Mar. 18.
Feroe, Robert A., Pottstown, Pa. Box. 1,487,224; Mar. 18.
Fiehler, Paul T., Maplewood, Mo. Combined nut lock and bolt-stretch take-up means. 1,487,225; Mar. 18.
Filiatrault, Albertine D., Spokane, Wash. Catamenial belt. 1,487,154; Mar. 18.

Fink, Edward, Wauwatosa, assignor to Compo-Tile Manufacturing Co., Milwaukee, Wis. Building construction. 1,487,155; Mar. 18.
Finnigana Limited. (See Winning, John F. F., assignor.)
Fireite-Extinguisher Co. (See Starbird, Austin C., assignor.)
Firestone Tire and Rubber Company, The. (See Smith, Clifford D., assignor.)
First National Bank of Boston, The, trustee. (See Holton, Jesse A., assignor.)
Fogg, Newton H., Sanford, Me. Coat. Des. 64,240; Mar. 18.
Folberth Auto Specialty Company, The. (See Skinner, Stephen G., assignor.)
Foley, Earl H., Norfolk, Va. Phonograph cabinet. 1,487,156; Mar. 18.
Folsom, Alby F., Jackson, Mich. Wheel-rim tool. 1,487,648; Mar. 18.
Fontana, Mark E., San Francisco, Calif. Cutter for angle short-cut paste. 1,487,323; Mar. 18.
Fontana, Mark E., San Francisco, Calif. Macaroni trimmer. 1,487,324; Mar. 18.
Ford Instrument Company. (See Heller, Harley H., assignor.)
Foreman, Lemuel R., Elizabeth City, N. C. Sawmill apparatus and method. 1,487,649; Mar. 18.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,486,873; Mar. 18.
Foss, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. 1,487,325; Mar. 18.
Foster, James A., Detroit, Mich. Arch support. 1,487,095; Mar. 18.
Fournier, Albert A., Ottawa, Ontario, Canada. Cuff construction. 1,487,452; Mar. 18.
Fournier, Albert A., Ottawa, Ontario, Canada. Soft cuff. 1,487,453; Mar. 18.
Frahm, Carl A., Canton, Ohio. Cake cutter. 1,487,226; Mar. 18.
Franz, Walter F., Utica, N. Y. Wheel. 1,487,552; Mar. 18.
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Armature-slot insulation and making the same. 1,486,874; Mar. 18.
Freeman, Edward A., Jackson, Tenn. Barbecue pit. 1,486,875; Mar. 18.
Freese, John H., North Canton, Ohio. Gate valve. 1,487,553; Mar. 18.
French Battery & Carbon Co. (See Balderston, William, assignor.)
French Battery & Carbon Company. (See Graves, John, assignor.)
French Battery & Carbon Co. (See Tyrrell, Donald W., assignor.)
Frens, Max, Lichtenberg, near Berlin, Germany. Calculating machine. 1,487,157; Mar. 18.
Fried. Krupp Aktiengesellschaft. (See Fry, Adolf, assignor.)
Fried. Krupp Aktiengesellschaft. (See Lorenz, Rudolf, assignor.)
Friedmann, Louis, Vienna, Austria. Lubricating-oil-pumping apparatus. 1,487,650; Mar. 18.
Fry, Adolf, Essen-Stadtwald, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Hardening steel alloys. 1,487,554; Mar. 18.
Fry, Charles E., Bloomfield, Iowa. Railway-crossing signal. 1,487,227; Mar. 18.
Fuchs, Camille H., New York, N. Y. Wiping attachment for film-drying apparatus. 1,487,375; Mar. 18.
Fugman, Joseph E., Cleveland, Ohio. Hanging apparatus. 1,486,876; Mar. 18.
Fuller, Claud E., New York, N. Y. Conveyer. 1,487,326; Mar. 18.
Fuller, Frans A., Newark, N. J. Razor-stropping device. 1,487,376; Mar. 18.
Fuller, Henry P., Richmond, Va. Garbage receptacle and incinerator. 1,487,651; Mar. 18.
Fuller, Leonard F., Palo Alto, assignor, by mesne assignments, to Federal Telegraph Company, San Francisco, Calif. Electrical condenser. 1,487,096; Mar. 18.
Funchess, Fred H. (See Walsh, Burton T., assignor.)
Gaget-Ragot, Jean L., Paris, France. Brake device. 1,487,652; Mar. 18.
Gallagher, Thomas H., Crafton, assignor to Twin Packer Oil and Gas Company, Pittsburgh, Pa. Double packer for liners. 1,487,097; Mar. 18.
Gang, George W., Malvern, Ohio. Clay-pipe-handling device. 1,486,877; Mar. 18.
Garbell, Max, assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill. Typewriting machine. 1,487,513; Mar. 18.
Garcia, Emilio, Bethlehem, Pa. Aeroplane. 1,487,228; Mar. 18.
Gardiner, Lanzie A., Dry Ridge, Ky. Road-building machine. 1,487,454; Mar. 18.
Garland, Absalom, Oakland, Calif. Pulley. 1,487,327; Mar. 18.
Garner Gin Company, The. (See MacKenzie, Alexander S., assignor.)
Garner, Wellborn C., Seattle, Wash. Water heater. 1,487,055; Mar. 18.
Garrison, Francis L., Connersville, Ind. Lamp. 1,487,229; Mar. 18.
Gaskin, William E., Oakland, Calif. Control device for cutting and welding torches. 1,487,230; Mar. 18.
Gass, William L. (See Menger, J. R. W., and Gass.)
Gaynor, Arthur C., Stratford, Conn., assignor to S. Sternau & Co. Inc. Collapsible stove and stand. 1,487,377; Mar. 18.
Gearing, Harry. (See Monson, C. A., and Gearing.)
Gebhard, Carl, Long Beach, Calif. Sliding caster. 1,487,678; Mar. 18.
General Electric Company. (See Baker, Henry S., assignor.)
General Electric Company. (See Beverage, Harold H., assignor.)
General Electric Company. (See Bower, George W., assignor.)
General Electric Company. (See Connely, Charles B., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Evans, Evan, assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Jaeger, Hugo, assignor.)
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Lundstrom, Axel W., assignor.)
General Electric Company. (See Nolte, Henry J., assignor.)
General Electric Company. (See St. Clair, B. W., and Hoare, assignors.)
General Electric Company. (See Scharschu, Charles A., assignor.)
General Electric Company. (See Sohlberg, Erik G., assignor.)
General Electric Company. (See Stoppenbach, Donald C., assignor.)
General Electric Company. (See Taylor, Henry W., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Trencham, Henry, assignor.)
General Electric Company. (See White, William C., assignor.)
General Electric Company. (See Wood, James J., assignor.)
George, Rady, Springfield, Ill. Flowerpot holder. 1,476,231; Mar. 18.
Gerber, Arthur B. (See Carothers, J. N., and Gerber.)
Gerling, Arthur A., New York, N. Y., and G. A. L. Du Vigneau, North Bergen, N. J. Voice for dolls. 1,487,232; Mar. 18.
Germundson, Albert, Elbow Lake, Minn. Horse collar. 1,487,555; Mar. 18.
Gibbs, William E., East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. 1,486,958; Mar. 18.
Gibson, William, Newport, England, and E. J. Pocock, Cardiff, Wales. Fire bar for furnaces. 1,487,455; Mar. 18.
Giddings & Lewis Machine Tool Company. (See Kempton, Herbert E., assignor.)
Gigliotti, Nicola D., Lorain, Ohio. Machine for making noodles, macaroni, and spaghetti. 1,487,378; Mar. 18.
Gilbert, Arthur M. (See Stoltz, C. F., and Gilbert.)
Gilbert, William L., Clock Company. (See Williams, Russell M., assignor.)
Gill, James D., Baltimore, Md. Means for apportioning liability. 1,487,066; Mar. 18.
Glancey, Patrick J., Scranton, Pa. Screen-door hinge. 1,487,233; Mar. 18.
Glaser, Oscar L. (See Koerner, Emil T., assignor.)
Goble, Bert G., Tulsa, Okla. Artificial bait. 1,487,556; Mar. 18.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Lamp. Des. 64,241; Mar. 18.
Goddu, George. (See Mackenzie, F. L., and Goddu.)
Goetz, Oscar H., Bridgeport, Conn., assignor to American Chain Company, Inc. Automobile buffer bracket. 1,487,557; Mar. 18.
Golden, Max, New York, N. Y. Lock. 1,487,328; Mar. 18.
Golding, Edwin I., New York, N. Y. Textile fabric or similar article. Des. 64,282; Mar. 18.
Goldsmith, Max S., Cincinnati, Ohio. Concrete floor construction. 1,487,098; Mar. 18.
Goldsmith, Max S., Cincinnati, Ohio. Concrete floor construction. 1,487,099; Mar. 18.
Gorham, Frank C., Los Angeles, Calif. Sash lock. 1,487,558; Mar. 18.
Goss, Harry T., Rutherford, N. J., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Reading appliance for scales. 1,487,514; Mar. 18.
Gossett, Elwood, Winnipeg, Manitoba, Canada. Bonding material. 1,487,057; Mar. 18.
Gould, George W., Chicago, Ill. Printing-press tympan. 1,487,158; Mar. 18.
Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Evening and grading machine. 1,486,878; Mar. 18.
Goullet, Georges. (See Magnan, Paul J. E., assignor.)
Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 64,242; Mar. 18.

Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 64,243; Mar. 18.
Grasselli Chemical Company, The. (See Taylor, E. A., and Keep, assignors.)
Graves, John, assignor to French Battery & Carbon Company, Madison, Wis. Focusing flash light. 1,486,879; Mar. 18.
Great Northern Paper Company. (See Allen, Carlton H., assignor.)
Griffin, Martin L., Rumford, Me. Distilling materials. 1,487,456; Mar. 18.
Griffith, Richard H., assignor to The Ohio Cultivator Company, Bellevue, Ohio. Agricultural implement. 1,487,370; Mar. 18.
Griffiths, Francis E., Springfield, Mass., assignor of one-half to J. E. Evans, New York, N. Y. Liquid dispensing and measuring device. 1,486,880; Mar. 18.
Grigsby, Bertram J., Park Ridge, assignor to Grigsby-Grunow-Hinds Co., Chicago, Ill. Lens for automobile stop and direction signals. Des. 64,244; Mar. 18.
Grigsby-Grunow-Hinds Co. (See Grigsby, Bertram J., assignor.)
Grimme, Natalis & Co., Aktiengesellschaft. (See Stemmler, Ferdinand, assignor.)
Groeneveld, Govert C., Hanford, Calif. Brush rake. 1,487,559; Mar. 18.
Gruesser, Henry, assignor to The Emery Candle Company, Cincinnati, Ohio. Candle. Des. 64,245; Mar. 18.
Gurney, James B., Collinsville, Ala. Churn dasher. 1,487,560; Mar. 18.
Guthrie, William B., Terrell, Tex., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 1,487,234; Mar. 18.
Gwinn, George W., Brooklyn, N. Y., assignor, by mesne assignments, to American Machine & Foundry Company. Tobacco feed. 1,487,058; Mar. 18.
Hadley Tag & Machine Co. (See Monson, C. A., and Gearing, assignors.)
Haefely, Emil, Basel, Switzerland. Winding machine for the manufacture of insulating tubes, hollow insulating cylinders, and the like. 1,487,059; Mar. 18.
Hafemeister, Fred F., assignor to The Cleveland Switchboard Company, Cleveland, Ohio. Mounting for panel boards, etc. 1,487,457; Mar. 18.
Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,486,881; Mar. 18.
Hall, Arthur J., Winchcombe, England, J. A. Clarke, jr., Edgewood Park, and P. L. Mardis, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company. System of control. 1,486,882; Mar. 18.
Hall, Chester J., Fort Wayne, Ind., assignor to General Electric Company. Thermal responsive switch. 1,487,515; Mar. 18.
Hall, William H., Cicero, assignor to Kohler Die & Specialty Company, De Kalb, Ill. Churn. 1,487,458; Mar. 18.
Halliburton, Erle P., Duncan, Okla. Hydrating cement and the like. 1,486,883; Mar. 18.
Hamer, William, Bolton, Bury, England. Steam generator. 1,486,884; Mar. 18.
Hammes, Peter R., Dallas, Tex. Mechanical demonstrating device. 1,487,561; Mar. 18.
Hammond, John H., jr., Gloucester, Mass. Radiodynamic duplex system. 1,486,885; Mar. 18.
Hammond, John H., jr., Gloucester, Mass. System for teledynamically controlling moving bodies. 1,486,886; Mar. 18.
Hammond, John H., jr., Gloucester, Mass. Electroradiant siren. 1,486,887; Mar. 18.
Hampden Glazed Paper & Card Company. (See Marwede, Richard L., assignor.)
Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)
Hampson, John, London, England. Spring suspension for perambulators and other vehicles. 1,487,459; Mar. 18.
Handel Maatschappij H. Albert De Bary & Coy. (See Schauer, Alfred and H., assignors.)
Handelan, Daniel, Minneapolis, Minn. Register for hot-air furnaces. 1,487,060; Mar. 18.
Hansen, Carl F. (See Von Germeten, G. T., and Hansen.)
Hanson, Albert E., and H. Moe, St. Paul, Minn. Battery compound. 1,487,235; Mar. 18.
Hanson, Anton. (See Carlson, Victor R., assignor.)
Hanson, Aron, Libby, Mont. Saw jointer. 1,487,679; Mar. 18.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,246; Mar. 18.
Hanson, Eugene I., New Rochelle, N. Y., and A. J. Heinke, Towaco, N. J., assignors to H. R. Mallinson & Co. Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 64,247; Mar. 18.
Hansson, Halvor, Christiania, Norway. Calculating device. 1,487,400; Mar. 18.
Harding, Margaret B. (See Bunten, Alpheus C., assignor.)
Harley-Davidson Motor Co. (See Ziska, Adam, jr., assignor.)
Harris, Archer L., Barberton, Ohio. Collapsible tire core. 1,486,950; Mar. 18.
Harris, Parley F., Nashville, Tenn. Cyanide box. 1,487,236; Mar. 18.
Harris, Vernon J., Detroit, Mich. Control-lever silencer. 1,487,380; Mar. 18.
Harrison Clamp Company. (See Harrison, John F., assignor.)
Harrison, John F., Columbus, Mont., assignor to Harrison Clamp Company, Casper, Wyo. Temper screw clamp. 1,487,087; Mar. 18.
Hart, Herbert H., Evanston, Ill. Head for metal containers. 1,487,053; Mar. 18.
Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company. Expulsion fuse box. 1,486,960; Mar. 18.
Hasenclever, Peter, Hamburg-Billwarder, Germany. Manufacture of chrome alum. 1,486,961; Mar. 18.
Hassalls, George, Penkhull, England, assignor to H. C. Edmiston, New York, N. Y. Plate or similar article. Des. 64,248; Mar. 18.
Hattenbach, Nate, Columbus, Ohio, assignor to Brockton Heel Company, Inc., Brockton, Mass. Heel-blank separator. 1,487,237; Mar. 18.
Hattoy, Henri, Blackstone, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 1,487,654; Mar. 18.
Haughton Elevator & Machine Company, The. (See Thurston, Ernest B., assignor.)
Hawkins, Lennard L., assignor of one-half to C. T. Hughes, Greenville, S. C. Let-off motion for looms. 1,487,562; Mar. 18.
Hawley, Charles G., Chicago, Ill. Steam boiler. 1,486,888; Mar. 18.
Hawley, William G., Elmira, N. Y. Double-reduction axle for motor trucks. 1,487,563; Mar. 18.
Hayden, Alfred J., Daytona Beach, Fla. Automobile luggage carrier. 1,487,564; Mar. 18.
Haselton, Robert T., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Simplified universal milling machine. 1,487,329; Mar. 18.
Head, Robert, Yonkers, N. Y., assignor to The Aeolian Company. Expression device for phonographs. 1,487,656; Mar. 18.
Heard, J. W. (See Williams, Harry S., assignor.)
Hedler, Henry J., Occum, Conn. Thread-cutting attachment for loom temples. 1,487,238; Mar. 18.
Heeren, Henry P., Toledo, Ohio. Automobile identifier. 1,487,159; Mar. 18.
Heflin, Lum M., Sonora, Tex. Pump-cylinder protector. 1,487,061; Mar. 18.
Heinke, Alfred J. (See Hanson, E. I., and Heinke.)
Heints, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator wheel support. 1,486,962; Mar. 18.
Heints, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,486,963; Mar. 18.
Heisel, John, Mount Healthy, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Punch press. 1,486,964; Mar. 18.
Heller, Harley H., New York, N. Y., assignor to Ford Instrument Company, Inc. Production meter. 1,487,516; Mar. 18.
Heller, Hugo, Milwaukee, Wis. Tinsel. 1,487,565; Mar. 18.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Combined frequency changer and phase converter. 1,486,889; Mar. 18.
Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system. 1,486,890; Mar. 18.
Helms, Arthur J., assignor of one-half to E. J. Vennewitz, Portland, Oreg. Adjustable grooving device. 1,487,381; Mar. 18.
Hendricks, David M., Newton, Iowa. Automatic control for elevator gates. 1,486,891; Mar. 18.
Hendrickson, Richard M., Havre, Mont. Form. 1,487,229; Mar. 18.
Henning, August H., and O. E. Quast, Milwaukee, Wis. Broom and making same. 1,487,382; Mar. 18.
Henton, H. Benne, Philadelphia, Pa. Mouthpiece for musical instruments. 1,487,566; Mar. 18.
Hentzell, Alfred A., Littleton, Colo., assignor to Ingersoll-Rand Company, Jersey City, N. J. Die for drill-sharpening machines. 1,487,160; Mar. 18.
Herr, Abraham L. (See Brezovits, A., and Herr.)
Herrmann, Raymond R., St. Paul, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitting device. 1,486,892; Mar. 18.
Heydon, Frank L., Ponca, Nebr. Flying machine. 1,487,383; Mar. 18.
Hibbard, Lloyd J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,487,680; Mar. 18.
Higgins, Emerson C., jr., Tulsa, and O. C. Smith, Sand Springs, assignors of one-half to Cosden & Company, Tulsa, Okla. Treating acid sludge. 1,487,240; Mar. 18.
Highmiller, Harley C., Springfield, Ohio. Window scaffold. 1,487,100; Mar. 18.
Hill Compressor & Pump Company, The. (See Hill, Ebenezer, assignor.)
Hill, Ebenezer, South Norwalk, Conn., assignor to The Hill Compressor & Pump Company, New York, N. Y. Packing means for rotary pumps. 1,487,567; Mar. 18.

Hill, Myron F., New York, N. Y. Permanent mold. 1,487,101; Mar. 18.
Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Collector ring. 1,486,893; Mar. 18.
Hipple, Oliver P., Wilkins Township, Allegheny County, Pa. Building material. 1,486,894; Mar. 18.
Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)
Hlavacek, Louis, Chicago, Ill. Blade-holding device. 1,487,655; Mar. 18.
Hoare, Stephen C. (See St. Clair, B. W., and Hoare.)
Hodgson, Harriette E., New York, N. Y. Game or toy for building card houses. 1,487,102; Mar. 18.
Hofft, M. A., Company, The. (See Hofft, Maurice A., assignor.)
Hofft, Maurice A., assignor to The M. A. Hofft Company, Indianapolis, Ind. Nose-block bracket. 1,487,461; Mar. 18.
Hohl, John T., Indianapolis, Ind. Washing machine for vehicles. 1,487,062; Mar. 18.
Hohlen, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,487,106; Mar. 18.
Holle, Alexander A., Paddington, London, England. Pneumatic tire. 1,487,364; Mar. 18.
Hollenback, George M., Lewistown, Mont. Dental or other furnace or oven. 1,487,330; Mar. 18.
Holmes, Gustave, Steckett, Mont. Gas generator. 1,487,104; Mar. 18.
Holt, Charles L., assignor to Holt Roof Connection Company, Lawrence, Mass. Roof connection. 1,487,161; Mar. 18.
Holt Roof Connection Company. (See Holt, Charles L., assignor.)
Holton, Jesse A., Boston, Mass., assignor, by mesne assignments, to The First National Bank of Boston, trustee. Engine starter. 1,487,063; Mar. 18.
Hoover, M. D. (See Hoover, Orville L. M., assignor.)
Hoover, Orville L. M., assignor of one-half to M. D. Hoover, Dallas, Tex. Liquid or gaseous fuel burning furnace. 1,487,241; Mar. 18.
Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Howell, Alfred E., Newcastle-upon-Tyne, England. Force-feed lubricator. 1,487,568; Mar. 18.
Howie, James B., Richmond, Va. Punch. 1,487,242; Mar. 18.
Hoy, Heber, assignor of five-eighths to Ideal Sales Company, Parkersburg, W. Va. Pedal latch for motor vehicles. 1,487,385; Mar. 18.
Hubbard, Arthur O., Minneapolis, Minn. Wheel. 1,486,895; Mar. 18.
Hubbell, Harvey, Bridgeport, Conn. Means for attaching fixtures to outlets. 1,486,896; Mar. 18.
Huddle, Columbus I., Porterville, Calif. Combined lunch box and portable table. 1,487,569; Mar. 18.
Hudson, Johnston W., Humboldt, Tenn. Harrow attachment. 1,487,386; Mar. 18.
Hughes, Arthur, Los Angeles, Calif. Putty molding and trimming machine. 1,487,162; Mar. 18.
Hughes, Charles T. (See Hawkins, Lennard L., assignor.)
Huguenin, Gustav, assignor to Nestle and Anglo-Swiss Condensed Milk Company, Cham, Switzerland. Means for banding packing cases. 1,486,897; Mar. 18.
Hulbert, Edwin F., Milwaukee, assignor to Master Package Corporation, Owen, Wis. Container. 1,487,570; Mar. 18.
Hume, Edgar D., Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,487,064; Mar. 18.
Hundrieser, Hans, Hahnser, near Berlin, Germany. Auger bit or drill. 1,486,898; Mar. 18.
Hunt, Edward J., Newark, N. J. Gas-filled electric lamp. 1,487,657; Mar. 18.
Huntley, Ernest R., assignor to Industrial Research Corporation, Toledo, Ohio. Liquid-feed system. 1,487,462; Mar. 18.
Huntley, Ernest R., Milwaukee, Wis., assignor to Industrial Research Corporation, Toledo, Ohio. Electric starter. 1,487,686; Mar. 18.
Hurlbutt, Eleanor A., Parrish, Wis. Fastener. 1,487,387; Mar. 18.
Hurlimann, Ernst. (See Schneider, J., Bilton, and Hurlimann.)
Hurwitz, Samuel, Los Angeles, Calif. Loading apparatus. 1,487,571; Mar. 18.
Huselton, Allen B., Butler, Pa. Antiskid device. 1,487,572; Mar. 18.
Huselton, Edgar C. (See Tobay, Harry T., assignor.)
Husser, Charles A., Torrington, Conn. Mechanism for operating shutters. 1,487,331; Mar. 18.
Hutchins, Frank E., et al. (See Rosentreter, Albert J., assignor.)
Ideal Sales Company. (See Hoy, Heber, assignor.)
Ideal Wrapping Machine Company. (See Cooper, Simon, assignor.)
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Industrial Research Corporation. (See Davies, Henry R., assignor.)
Industrial Research Corporation. (See Huntley, Ernest R., assignor.)

Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Ditson, Jesse, assignor.)
Ingersoll-Rand Company. (See Hentzell, Alfred A., assignor.)
Ingram, Harry, Marion, Ill. Mine-car-loading device. 1,487,573; Mar. 18.
Ingraham, William D., North Adams, Mass. Antiskid device. 1,487,163; Mar. 18.
International Cigar Machinery Company. (See Leary, James W., assignor.)
International Harvester Company. (See Smith, Ernest C., assignor.)
International Motor Company. (See Drumm, Charles F., jr., assignor.)
Irons, George F., Regina, Saskatchewan, Canada. Refrigerator drip pan. 1,487,065; Mar. 18.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Reversing apparatus for heating furnaces. 1,487,332; Mar. 18.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for producing the reversal of regenerative furnaces. 1,487,333; Mar. 18.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Reversing apparatus for regenerative furnaces. 1,487,334; Mar. 18.
Ista, Oreste, New York, N. Y. Mandolin attachment for player pianos. 1,487,164; Mar. 18.
Itasco Paper Company, The. (See Silvis, Clarence A., assignor.)
Jackson, Edward C., Detroit, Mich. Combined ladder step and scaffold support. 1,487,243; Mar. 18.
Jacobs, Frederick A., Killingly, Conn. Lug strap. 1,486,899; Mar. 18.
Jacobsen, Emil, New York, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Measured-service party-line telephone system. 1,486,900; Mar. 18.
Jacobson, Elmer C., Roy, Wash. Tire. 1,487,165; Mar. 18.
Jaeger, Hugo, Schenectady, N. Y., assignor to General Electric Company. Screen. 1,487,335; Mar. 18.
James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,486,901; Mar. 18.
Janney, Thomas A., Garfield, Utah. Crushing apparatus. 1,486,905; Mar. 18.
Jaques, Fernando O., jr., Providence, R. I. Lathe tool. 1,487,681; Mar. 18.
Jaroslawski-Flore, Simon A., New York, N. Y. Lipstick holder. Des. 64,249; Mar. 18.
Jaroslawski-Flore, Simon A., New York, N. Y. Lipstick holder. Des. 64,250; Mar. 18.
Jennings, O. D., & Company. (See Garbell, Max, assignor.)
Jensen, Charles J., North Plainfield, N. J. Ball-lacing device. 1,487,658; Mar. 18.
Jewel Phonoparts Company. (See Blood, Burr B., assignor.)
Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,486,906; Mar. 18.
Johnson, Francis J., deceased, Los Angeles, Calif.; S. M. Johnson, administratrix, assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Disk cultivator. 1,487,388; Mar. 18.
Johnson, Henry G., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,487,066; Mar. 18.
Johnson, Robert H., Washington, D. C. Spark plug. 1,487,659; Mar. 18.
Johnson, Susie M., administratrix. (See Johnson, Francis J.)
Jones, Howard N., assignor to Universal Safety Ash Tray Company, Inc., Providence, R. I. Cigarette-extinguishing device. Re15,795; Mar. 18.
Jones, Randall H., Indianapolis, Ind. Attaching button. 1,487,067; Mar. 18.
Jordan, Walter S., Alvo, Nebr. Combination receptacle. 1,487,574; Mar. 18.
Joyce, Bryan P., Davenport, Iowa. Recuperator mechanism for guns. 1,486,902; Mar. 18.
Jungk, Herbert G., and R. Siegfried, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Motor mounting for jack-shaft gear drive. 1,486,903; Mar. 18.
Kamp, Berthold H., Sanger, Calif. Limb support. 1,487,336; Mar. 18.
Kann, William L., Pittsburgh, Pa. Abrasive for grinding and smoothing glass. Re15,796; Mar. 18.
Kanthack, Albert F., St. Paul, Minn. Combined carrying case and article of furniture. 1,487,575; Mar. 18.
Kass, Samuel M., Philadelphia, Pa. Pipe-repair clamp. 1,487,337; Mar. 18.
Kaufman, Jacob, assignor of forty per cent to A. Droock, Detroit, Mich. Cup holder. 1,486,907; Mar. 18.
Kawasaki, Goro, Chicago, Ill. Bumper. 1,487,105; Mar. 18.
Keating, Christena, Council Bluffs, Iowa. Rabbit doll. Des. 64,251; Mar. 18.
Keep, Glenn A. (See Taylor, E. A., and Keep.)
Kelley, John, St. Louis, Mo. Two-cycle internal-combustion engine. 1,487,338; Mar. 18.

Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Radio signaling system. 1,487,339; Mar. 18.
Kelly, Mathew S., St. Paul, Minn. Stock and drive gate. 1,487,106; Mar. 18.
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kemmel, August J. (See Burnett, D. E., and Kemmel.)
Kempton, Herbert E., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Precision device for boring machines and the like. 1,486,968; Mar. 18.
Kendall, William G., Newark, N. J. Toilet article. 1,487,576; Mar. 18.
Kent, William H., Brooklyn, N. Y. Fan device. 1,487,107; Mar. 18.
Kernagood, Allen E., assignor to Alma Manufacturing Company of Baltimore City, Baltimore, Md. Sliding-prong buckle. 1,487,577; Mar. 18.
Kershaw, Edwin T., Denver, Colo. Cooling system for combustion engines. 1,487,166; Mar. 18.
Keymel, Peter J., assignor of one-half to H. C. Warden, Berryville, Va. Protective cap for fruit containers. 1,486,904; Mar. 18.
Kilifer Manufacturing Company, The. (See Watters, Daniel M., assignor.)
King, Jefferson D., Hendersonville, N. C. Stovepipe-locking device. 1,487,389; Mar. 18.
King, John W., Cabarton, Idaho. Shoe-sole protector. 1,487,390; Mar. 18.
Kingston, Charles, and W. McChesney, London, England. Driving gear for rotary washing machines. 1,487,560; Mar. 18.
Kirkpatrick, Emerson H., Fort Collins, Colo. Block. 1,487,578; Mar. 18.
Kissel Motor Car Company, The. (See Palmer, H. D., and Brbel, assignors.)
Kline, William T., Millinburg, Pa. Demountable wheel. 1,486,969; Mar. 18.
Klingbeil, Gottlieb L. E., Omaha, Nebr. Barbed-wire-gate fastener. 1,486,905; Mar. 18.
Knoop, William A., East Northport, assignor to Western Electric Company, Incorporated, New York, N. Y. Regulating system. 1,487,108; Mar. 18.
Köchlin, René, Basel, assignor of one-half to the Firm of Locher & Company, Zurich, Switzerland. Hydraulic power plant. 1,487,391; Mar. 18.
Koerner, Emil T., Oak Park, assignor of one-half to O. L. Glaser, Oak Park, Chicago, Ill. Tongs. 1,487,463; Mar. 18.
Kohler Die & Specialty Company. (See Hall, William H., assignor.)
Kolar, Joseph H., Arcadia, Calif. Engine. 1,486,906; Mar. 18.
Koslay, Clarence V., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 64,252; Mar. 18.
Koslay, Clarence V., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 64,253; Mar. 18.
Krause, Walter, Berlin-Zehlendorf, Germany. Pipe joint. 1,487,517; Mar. 18.
Kromenaker, Frank J. and G. M., Chicago, Ill. Roofing. 1,486,970; Mar. 18.
Kromenaker, Grant M. (See Kromenaker, Frank J. and G. M.)
Kroupsky, Nicholas, New York, N. Y. Track-laying motor vehicle. 1,487,340; Mar. 18.
Krump, Nic, Chicago, Ill. Switch for overhead two-rail tracks. 1,487,241; Mar. 18.
Kuhn, Frederick J., Brookline, Mass., assignor to Mojonnier Bros. Co. Slicing or cutting machine. 1,487,068; Mar. 18.
Kumagawa, John, Los Angeles, Calif. Washing device. 1,487,167; Mar. 18.
Kurczewski, Joseph, Detroit, Mich. Gauge. 1,487,579; Mar. 18.
Kurgan, Frank, Holyoke, Mass. Pen and pencil case. 1,487,580; Mar. 18.
Kurowski, Alfred E. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,487,168; Mar. 18.
Labombarde, Elie W., Nashua, N. H. Wet press. 1,487,245; Mar. 18.
Lacy, Thomas F., Sioux City, Iowa. Storage-battery electrolyte. 1,487,109; Mar. 18.
Lammons, Ben H., San Antonio, Tex. Weed cutter for railways. 1,487,246; Mar. 18.
Landenberger, John L., Philadelphia, Pa. Adding machine. 1,487,069; Mar. 18.
Landrum, Francis H., and A. N. Cramer, assignors to The Wedoit Company, Columbus, Ohio. Sterilization of organic material. 1,487,169; Mar. 18.
Landrum, Francis H., and A. N. Cramer, assignors to The Wedoit Company, Columbus, Ohio. Apparatus for sterilizing fruits and vegetables and similar products. 1,487,170; Mar. 18.
Landry, Adolphe H., Lowell, Mass. Picker motion. 1,487,581; Mar. 18.
Lane, Johnson, San Antonio, assignor of one-third to G. H. Collins, Harris County, Tex. Brick. 1,487,247; Mar. 18.
Lange, Mary L., Chicago, Ill. Child's combination crib and bed. 1,487,241; Mar. 18.
Langel, Lillian. (See Loré, John M., assignor.)
Langston, Samuel M., Wenonah, N. J. Machine for cutting composition shingles. 1,487,661; Mar. 18.
Langston, Samuel M., Wenonah, N. J. Machine for cutting composition shingles. 1,487,662; Mar. 18.
Langston, Samuel M., Wenonah, N. J. Machine for cutting composition shingles. 1,487,663; Mar. 18.
Lantz, Grover B., Colton, Calif. Heat interchanger. 1,487,248; Mar. 18.
Latimer, William H., Denver, Colo. Wire stretcher. 1,487,249; Mar. 18.
Latta, William O., and J. A. Plunk, Michie, Tenn. Folding crate. 1,487,582; Mar. 18.
Lavallee, Joseph O. W., assignor to Caron Brothers Incorporated, Montreal, Quebec, Canada. Electric generating apparatus. 1,487,342; Mar. 18.
La Vigne, Joseph F., Laurel, Miss. Invalid carrier. 1,487,171; Mar. 18.
Leary, James W., Brooklyn, assignor to International Cigar Machinery Company, New York, N. Y. Impaling pin for machines for removing cigar bunches from molds. 1,487,070; Mar. 18.
Lee, Peyton A., Coushatta, La. Dental impression tray. 1,487,392; Mar. 18.
Leeson, Edward K., Gastonia, N. C. Washing apparatus. 1,487,343; Mar. 18.
Lengel, William L., assignor to The Nolde & Horst Co., Reading, Pa. Striping attachment for circular-knitting machines. 1,487,015; Mar. 18.
Lengel, William L., assignor to The Nolde & Horst Co., Reading, Pa. Seating lock for knitting-machine attachments or the like. 1,487,016; Mar. 18.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric-circuit terminal. 1,487,662; Mar. 18.
Lesnesky, Paul, Detroit, Mich. Loom plate for electric fixtures. 1,486,971; Mar. 18.
Lewis, George W., Westboro, assignor, by mesne assignments, to J. F. Bicknell Lumber Company, Worcester, Mass. Ironing table. 1,486,972; Mar. 18.
Library Bureau. (See Ohnstrand, Enoch, assignor.)
Lierman, Otto J., near Redondo Beach, Calif. Sucker-rod catch. 1,487,250; Mar. 18.
Lighting Studios Company. (See Robinson, Grosvenor P., assignor.)
Lilja, Bert H., Geneseo, Ill. Curtain rod. 1,487,017; Mar. 18.
Lilly, William J., Tacoma, Wash. Lettering pen. 1,486,973; Mar. 18.
Lillyquist, John, Chicago, Ill. Valve-stem trimmer. 1,487,110; Mar. 18.
Lincicome, Asbury, Pershing, Okla. Washing machine. 1,487,251; Mar. 18.
Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Barrel-seaming machine. 1,486,974; Mar. 18.
Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Sheet-metal-bending machine. 1,486,975; Mar. 18.
Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Machine for compressing corrugated pipes. 1,486,976; Mar. 18.
Lindgren, Bror J., assignor to Niagara Machine & Tool Works, Buffalo, N. Y. Corrugating machine. 1,486,977; Mar. 18.
Lindsay, Charles E., Albany, N. Y. Track-lining jack. 1,487,393; Mar. 18.
Lindsey, Florian V., Winnipeg, Manitoba, Canada. Cigarette-making machine. 1,487,018; Mar. 18.
Linville, Clarence P., Elizabeth, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Electrolytic tin. 1,487,111; Mar. 18.
Lobell, James V., Newark, N. J. Powder-dispensing box. 1,486,978; Mar. 18.
Locher & Company. (See Köchlin, René, assignor.)
Locke, Earl R., Cleveland, Ohio. Badge or similar article. Des. 64,254; Mar. 18.
Loeffler, Andrew, Cleveland, Ohio. Portable building. 1,487,583; Mar. 18.
Lopez, Joaquin A., Habana, Cuba. Wrapping machine. 1,487,019; Mar. 18.
Loré, John M., assignor to L. Langel, New York, N. Y. Medical appliance. 1,487,252; Mar. 18.
Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 64,255; Mar. 18.
Lorens, Rudolf, Essen, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Railway car. 1,487,394; Mar. 18.
Loshbough, Lyle C. (See Swanson, J., and Loshbough.)
Lovell, Charles W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ignition and lighting switch. 1,486,907; Mar. 18.
Lowe, Henry A., Cleveland, Ohio. Adjustable shank for test indicators. 1,486,908; Mar. 18.
Lucas, Owen D., London, assignor to Vickers Limited, Westminster, England. Means for controlling the fire of automatic guns carried by aircraft. 1,486,909; Mar. 18.
Luce, Grafton E., Chicago, Ill. Bricksetting machine. 1,487,688; Mar. 18.
Lüdorf, Gustav, assignor to the Firm of Gustav Lüdorf & Sohn, G. m. b. H., Barmen, Germany. Lathe for ribbon looms. 1,487,172; Mar. 18.
Lüdorf, Gustav, & Sohn, G. m. b. H. (See Lüdorf, Gustav, assignor.)

Lukens, Edward F., assignor to The New England Tube Stamping Company, Inc., West Haven, Conn. Windshield cleaner. 1,487,344; Mar. 18.
Lundell, Alben E., New York, N. Y., assignor to Western Electric Company, Incorporated. Machine-switching telephone system. 1,487,113; Mar. 18.
Lundell, George A. E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,487,112; Mar. 18.
Lundstrom, Axel W., New York, N. Y., assignor to General Electric Company. Electrical apparatus. 1,487,845; Mar. 18.
Lynch, Joseph H. (See Southwick, Morris T., assignor.)
Mabee, May C., Toledo, Ohio. Machine for treating materials. 1,487,071; Mar. 18.
MacKenzie, Alexander S., assignor to The Garner Gin Company, Inc., Houston, Tex. Saw cylinder. 1,487,846; Mar. 18.
Macrenzie, Fred L., Beverly, and G. Goddu, Winchester, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 1,486,979; Mar. 18.
Maclaren, Robert, Culross, Scotland. Automatic thermometric regulator. 1,487,072; Mar. 18.
MacNicol, Nicol, Kamloops, British Columbia, Canada. Memorandum pad holder. 1,487,586; Mar. 18.
MacWilliam, James, London, England. Combined cap and muffler. 1,486,980; Mar. 18.
Magelssen, Nino, Christiania, Norway. Manufacture of fireproof and waterproof wooden building plates. 1,487,255; Mar. 18.
Magnan, Paul J. E., Tours, assignor of one-half to G. Goullet, Paris, France. Wrench. 1,486,981; Mar. 18.
Maher, Joseph D., Orange, N. J. Tie holder. 1,487,116; Mar. 18.
Main, George. (See Oland, C. D., and Main.)
Mall, Arthur W., Milwaukee, Wis. Pneumatic abrading cushion. 1,487,256; Mar. 18.
Mallinson, H. R., & Co. (See Hanson, R. I., and Heinke, assignors.)
Malone, John F. J., Newcastle-on-Tyne, England. Heat engine. 1,487,664; Mar. 18.
Maltby, Julius, assignor to Waterbury Buckle Co., Waterbury, Conn. Slide buckle. 1,487,395; Mar. 18.
Manion, Joseph A., St. Louis, Mo., assignor to Z. A. Shubert, New Orleans, La. Film-scope toy. 1,487,173; Mar. 18.
Manning, Harry W., Portland, Oreg. Oil burner for furnaces. 1,487,689; Mar. 18.
Mansfield, Warren M., assignor, by mesne assignments, to Moline Plow Company, Incorporated, Moline, Ill. Traction-varying means for tractors. 1,487,257; Mar. 18.
Marden, John W., East Orange, J. B. Conley and T. P. Thomas, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Electrolytic deposition of thorium. 1,487,174; Mar. 18.
Mardis, Paul L. (See Hall, A. J., Clarke, and Mardis.)
Marsh, Earl A., assignor to J. F. Ellam Sales Service, Inc., Chicago, Ill. Feeder and packer for pulverulent materials. 1,487,683; Mar. 18.
Marshall, Reuben L., Aurora, Ill. Pincushion. Des. 64,256; Mar. 18.
Marti, Charles, East Orange, assignor to The Martian Manufacturing Co., Inc., Newark, N. J. Method of and apparatus for drilling. 1,487,690; Mar. 18.
Martian Manufacturing Co., The. (See Marti, Charles, assignor.)
Martin, Edward H., Los Angeles, Calif. Engine. 1,487,347; Mar. 18.
Marvel Carburetor Company. (See Guthrie, William S., assignor.)
Marwede, Richard L., New York, N. Y., assignor to Hampden Glazed Paper & Card Company. Paper. Des. 64,257; Mar. 18.
Master Package Corporation. (See Hulbert, Edwin F., assignor.)
Maye, Jack, Johnson City, N. Y. Collar and tie support. 1,487,396; Mar. 18.
McBerty, Frank R., assignor to The North Electric Manufacturing Company, Galion, Ohio. Telephone-exchange system. 1,486,982; Mar. 18.
McCargar, Joseph R., assignor to Stow & Davis Furniture Company, Grand Rapids, Mich. Desk. Des. 64,258; Mar. 18.
McCarthy, James J., Chicago, Ill. Carline. 1,487,253; Mar. 18.
McCarthy, Thomas J., Los Angeles, Calif. Auto truck or dolly. 1,487,584; Mar. 18.
McChesney, William. (See Kingston, C., and McChesney.)
McClanahan, Cora A., et al. (See Scheibert, Rudolph H., assignor.)
McClymont, Bryce W. (See North, S. J., and McClymont.)
McDermott, Thomas F., Providence, R. I. Bracelet. Des. 64,259; Mar. 18.
McDonald, Donald, Louisville, Ky. Game counter. 1,486,983; Mar. 18.
McFarland, Marion C., Comanche, Okla. Churn lid. 1,487,254; Mar. 18.
McFarrell, John. (See Elie, Fred J., assignor.)
McIntire, James E., Weymouth, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyeletting machine. 1,486,910; Mar. 18.
McIntyre, William H., Chicago, Ill. Hot pack. 1,487,114; Mar. 18.
McKee, Willis, Cleveland, Ohio. Hotbed. 1,486,984; Mar. 18.
McKelvy, Thomas M., Fresno, Calif. Oil-vapor baffle box. 1,487,585; Mar. 18.
McQuarrie, James L., assignor to Western Electric Company, Incorporated, New York, N. Y. Intelligence system. 1,487,115; Mar. 18.
Meets-A-Need Manufacturing Co. (See Dickey, Roy N., assignor.)
Meleg, Joseph, Beaver Falls, Pa. Straw cutter. 1,487,587; Mar. 18.
Menger, Joseph R. W., and W. L. Gass, New York, N. Y.; said Gass assignor to said Menger. Lock for automobile tire chains. 1,487,258; Mar. 18.
Merklin, George. (See Tollefson, T., and Merklin.)
Merrill, John J., Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y. Outlet box. 1,487,117; Mar. 18.
Messier, George L. R. J., Bordeaux, France. Pneumatic suspension for vehicles. 1,486,911; Mar. 18.
Michal, Jaroslav A. (See Cooke, G. C., and Michal.)
Miller, Arthur, Columbus, Ohio, assignor to Solar-Sturges Mfg. Co. Container or can. 1,487,118; Mar. 18.
Miller, John W., Cardin, Okla. Box. Des. 64,260; Mar. 18.
Miller, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,486,912; Mar. 18.
Miller, William J., Sulphur, La., assignor to C. E. Reed, Houston, Tex. Rotary back-up post. 1,487,588; Mar. 18.
Miner, James H., and T. C. Mustin, Meridian, Miss. Machine for milling tooth sockets in saw blades. 1,487,589; Mar. 18.
Mittasch, Alwin, E. Willfroth, and O. Bals, assignors to Badische Anilin- & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Oxidation process. 1,487,020; Mar. 18.
Mittnacht, John, jr., Cato, Wis. Device to prevent robberies. 1,487,397; Mar. 18.
Mitzenmacher, Sam, jr. (See Mitzenmacher, Sam, sr., and S., jr.)
Mitzenmacher, Sam, sr., and S., jr., Chicago, Ill. Window-cleaning device. 1,487,175; Mar. 18.
Moats, Guy E., and C. B. Rexroad, Harrisville, W. Va. Gas-engine attachment. 1,487,690; Mar. 18.
Moe, Howard. (See Hanson, A. E., and Moe.)
Moeslein, Oscar W., Harrisburg, Pa. Egg separator. 1,487,348; Mar. 18.
Moglich, Anthony J., Oakland, Calif. Tool holder. 1,487,259; Mar. 18.
Mojonnier Bros. Co. (See Kuhn, Frederick X., assignor.)
Moline Plow Company. (See Dickinson, Harry S., assignor.)
Moline Plow Company. (See Johnson, Francis J., assignor.)
Moline Plow Company. (See Mansfield, Warren M., assignor.)
Monahan, James F., East Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Storage battery. 1,486,985; Mar. 18.
Mongelluzzo, Anthony E., Barnesboro, Pa. Shoe fastener. 1,487,349; Mar. 18.
Monson, Carl A., and H. Gearing, assignors, by mesne assignments, to Hadley Tag & Machine Co., Los Angeles, Calif. Tag making and printing machine. 1,487,350; Mar. 18.
Montan, Adolph, West Orange, assignor to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Headpiece for telephones. 1,487,351; Mar. 18.
Moore, Charles. (See Dunger, Oscar L., assignor.)
Moore, Robert A., Detroit, Mich. Portable rubbing machine. 1,487,398; Mar. 18.
Moore, Walter J., New York, N. Y. Combined trip bumper and collision screen for automobiles. 1,486,913; Mar. 18.
Moore, Walter J., New York, N. Y. Collision screen. 1,487,176; Mar. 18.
Moore, Walter J., New York, N. Y. Collision screen. 1,487,260; Mar. 18.
Morgan Construction Company. (See Isley, George H., assignor.)
Morris, Frank E., and J. C. Bergner, Philadelphia, Pa. Cooking apparatus and method. 1,486,986; Mar. 18.
Morrison, James, assignor to The Trailmobile Company, Cincinnati, Ohio. Pole trailer. 1,487,464; Mar. 18.
Moses, Asheleigh S. (See Youtsey, F. S., Walker, and Moses.)
Mukai, Kichimatsu, San Francisco, Calif. Current motor. 1,487,665; Mar. 18.
Müller, Josef, Konstanz, Germany. Pupil desk. 1,487,465; Mar. 18.
Munson, Luther S., Washington, D. C. Reenforced concrete construction. 1,487,021; Mar. 18.
Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph synchronizing system. 1,487,691; Mar. 18.
Mustin, Thomas C. (See Miner, J. H., and Mustin.)
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,486,914; Mar. 18.

Nagy, John, West View, assignor to Pittsburgh Stamp Company, Pittsburgh, Pa. Embossing machine for milk cans. 1,487,591; Mar. 18.

National Automatic Tool Co., The. (See Blackman, Vere C., assignor.)

National Brake Company. (See Brewster, William D., assignor.)

National Metal Spinning & Stamping Co. (See Robinson, Frank H., assignor.)

Nelson, Charles W. (See Thompson, Robert C., assignor.)

Nelson, Edmund. (See Sannier, August, assignor.)

Nelson, John H., Bridgeport, Conn. Auto life guard. 1,487,352; Mar. 18.

Nestle and Anglo-Swiss Condensed Milk Company. (See Huguenin, Gustav, assignor.)

Neumann, E., Hardware Co., The. (See Tuckmantel, Hugo, assignor.)

New England Tube Stamping Company, The. (See Lahens, Edward F., assignor.)

Newitt, Charles A., Detroit, Mich. Indicator. 1,487,119; Mar. 18.

New Jersey Patent Company. (See Dunham, Le Roy S., assignor.)

New Jersey Patent Company. (See Gibbs, William E., assignor.)

Niagara Machine & Tool Works. (See Lindgren, Bror J., assignor.)

Nichols, Edgar B., and H. C. Brownlee, assignors to The Pfaudler Company, Rochester, N. Y. Manhole closure. 1,487,518; Mar. 18.

Nitrum Aktiengesellschaft. (See Siebert, Werner, assignee.)

Nogrady, Andor T., Wyandotte, Mich., assignor to Nogrady Differential Company, Wichita, Kans. Differential gearing. 1,487,073; Mar. 18.

Nogrady Differential Company. (See Nogrady, Andor T., assignor.)

Nolde & Horst Co. (See Lengel, William L., assignor.)

Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,487,353; Mar. 18.

Norris, Albert L., Jacksonville, Fla. Rotary brush. 1,487,466; Mar. 18.

North Electric Manufacturing Company, The. (See McBerty, Frank E., assignor.)

North, Seth J., and B. W. McClymont, Detroit, Mich. Oil heater. 1,486,915; Mar. 18.

Northrop, Lemas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Thread-parting mechanism for weft-replenishing looms. 1,487,074; Mar. 18.

Norton, Charles A. (See Paul, J. V., and Norton.)

Novotny, Louis, Valparaiso, Nebr. Bushing-removing tool. 1,487,592 Mar. 18.

Novy, James, Muskogee, Okla. Rotary ventilator. 1,486,916; Mar. 18.

Nygaard, Oscar C., Saugus, Mass. Variable load-supporting and shock-absorbing device. 1,487,177; Mar. 18.

Oehrle, Franklin W., Philadelphia, Pa. Fringe. Des. 64,261; Mar. 18.

Oehrle, Franklin W., Philadelphia, Pa. Fringe. Des. 64,262; Mar. 18.

Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)

Ogden, John E. (See Tomkinson, Charles C., assignor.)

Ohio Cultivator Company, The. (See Griffith, Richard H., assignor.)

Olmstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Shelf cabinet. 1,487,066; Mar. 18.

Olund, Charles D., and G. Main, Centralia, Ill. Automatic skid placer. 1,487,467; Mar. 18.

Oliver, William T., Harrop, British Columbia, Canada. Berry-picker's carrier. 1,487,684; Mar. 18.

Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Flexible shaft. 1,487,519; Mar. 18.

Olsen, Henry H., and J. E. Stevens, Ben Lomond, Calif. False-tooth cleaner. 1,487,075; Mar. 18.

Omler, Wendell H., Philadelphia, Pa. Window-screen latch. 1,487,667; Mar. 18.

Oppenheimer, Luther, El Cajon, Calif. Pneumatic-tire flap. 1,487,261; Mar. 18.

Orioka, Sadame, Honolulu, Hawaii. Current meter. 1,486,917; Mar. 18.

O'Rourke, John F., New York, N. Y. Means for grouting masonry. 1,487,354; Mar. 18.

Orries, Antonio, et al. (See Barchicsi, Aurelio, assignor.)

Osgood, Walter F., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Stop mechanism of embossing and like machines. 1,487,262; Mar. 18.

Overmyer, Charles G., Hartford City, Ind. Drawer knob. 1,487,355; Mar. 18.

Packard, Horace B., assignor to The Cutler-Hammer M'f'g Co., Milwaukee, Wis. Fluid meter. 1,487,356; Mar. 18.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,283; Mar. 18.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,284; Mar. 18.

Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,285; Mar. 18.

Pako Corporation. (See Dye, G. M., and Welch, assignors.)

Pako Corporation. (See Welch, John M., assignor.)

Palmer, Herman D., and J. W. Brhel, assignors to The Kissel Motor Car Company, Hartford, Wis. Apparatus for measuring materials in concrete construction. 1,487,468; Mar. 18.

Paquet, René. (See Andreu, P., and Paquet.)

Parsons, Arthur, Pasadena, Calif. Automatic scale indicator. 1,487,120; Mar. 18.

Patterson, Leslie R., Kansas City, Mo. Rug. Des. 64,286; Mar. 18.

Patton, Lester P., Bucyrus, Ohio. Cut-out valve. 1,487,593; Mar. 18.

Paul, John V., Verdun, Quebec, and C. A. Norton, Sunny Brae, New Brunswick, Canada. Exhaust spreader for locomotive engines. 1,487,594; Mar. 18.

Pavillard, Sam, Decatur, Tex. Boll-weevil-catching machine. 1,487,357; Mar. 18.

Pavillard, Sam, Decatur, Tex. Train-actuated signal for road and street crossings. 1,487,358; Mar. 18.

Petermann, Joseph, Philadelphia, Pa. Machine for splitting or breaking paving blocks. 1,487,595; Mar. 18.

Peters, Emil B. (See Sublett, L. H., and Peters.)

Petersen, William F., Chicago, Ill. Baker's oven. 1,487,121; Mar. 18.

Peterson, John, Maywood, Ill. Torch. 1,487,359; Mar. 18.

Pfaudler Company, The. (See Nichols, E. B., and Brownlee, assignors.)

Pfeifer, John, assignor to The Springfield Auto Lock Company, Springfield, Ohio. Permutation lock. 1,487,469; Mar. 18.

Pfeil, Philip G., Chicago, Ill. Window mounting. 1,487,596; Mar. 18.

Philips, Hans A., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 64,287; Mar. 18.

Phillips, Harry E., New York, N. Y., assignor to B. G. Collier, Incorporated. Adjustable retainer. 1,487,470; Mar. 18.

Phillips, Harry C., Gloucester, England. Liquid-transmission system. 1,487,599; Mar. 18.

Phillips, Stanley J., Mayfield, Pa. Combination tool. 1,487,360; Mar. 18.

Pilley, Frank J., Kansas City, Mo. Can-emptying machine. 1,487,076; Mar. 18.

Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)

Pittsburgh Stamp Company. (See Nagy, John, assignor.)

Platt, Leo, New York, N. Y. Ribbon. Des. 64,263; Mar. 18.

Plösais, Rudolf, Wilmersdorf, near Berlin, Germany. Weatherproof coating medium. 1,487,471; Mar. 18.

Plummer, Clarence H., Kewaunee, Wis. Process and mechanism for picking pods. 1,486,918; Mar. 18.

Plunk, John A. (See Latta, W. O., and Plunk.)

Pocock, Edward J. (See Gibson, W., and Pocock.)

Podmajersky, John, Chicago, Ill. Signal-light automobile fender. Des. 64,264; Mar. 18.

Poindexter, Franklin B., St. Louis, Mo., assignor, by mesne assignments, to B. S. Davidson, Denton, Tex. Shock absorber. 1,487,597; Mar. 18.

Polinkowsky, Lipa, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,487,361; Mar. 18.

Polleys, Herbert R., New Haven, Conn., assignor to L. Candee & Company. Last-positioning device. 1,487,178; Mar. 18.

Polster, John P., Toledo, Ohio. Chain-grate stoker link. 1,486,967; Mar. 18.

Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,486,968; Mar. 18.

Poole, Arthur F., Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,487,122; Mar. 18.

Pope, Gustave O., Cleveland, Ohio. Ash pan. 1,487,400; Mar. 18.

Postel-Vinay, Pierre J. R., Paris, France, assignor to Société des Moteurs Salmson (Systeme) Canton Unne, Billancourt, Seine, France. Apparatus for increasing the range of speed of aeroplanes. 1,487,598; Mar. 18.

Potter, Edwin F., Woodbridge, N. J. Automatic feeder. 1,487,599; Mar. 18.

Powell, Welby, Sewellton, Ky. Shower-bath valve. 1,487,600; Mar. 18.

Pratt, Edwin D., New York, N. Y. System of food service. 1,487,179; Mar. 18.

Pratt, Theodore, Glen Cove, N. Y. Internal-combustion engine. 1,487,077; Mar. 18.

Priem, Paul, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Wood grinder. 1,487,601; Mar. 18.

Pulliam, James E., New York, N. Y. Warehouse truck. 1,487,263; Mar. 18.

Pulver, Wyllis F. W., Rensselaer, N. Y. Shoe-lace tip. 1,487,602; Mar. 18.

Quast, Oscar E. (See Henning, A. H., and Quast.)

Quick Change Auto Rim Company, The. (See Sifkovits, George, assignor.)

Quinlan, James R., Pleasant Ridge, Mich. Internal-combustion engine. 1,486,919; Mar. 18.

Rabideau, Paul, Clifton, Ill. Means for starting automobile engines. 1,487,022; Mar. 18.

Radio Corporation of America. (See Whistlecroft, A. W., and Van de Velde, assignors.)

Rand, James H. (See Underwood, Charles W., assignor.)

Randall, John H., Fort Dodge, Iowa. Nonskid brake for vehicles. 1,486,920; Mar. 18.

Randel, Ivar A., assignor of one-half to W. M. Ryan, Chicago, Ill. Pedestal journal box and making the same. 1,486,989; Mar. 18.

Rathke, Louis H., Milwaukee, Wis. Weed cutter. 1,487,472; Mar. 18.

Ratto, Joseph, Brooklyn, N. Y. Automobile lock. 1,487,603; Mar. 18.

Raymer, Joseph R., St. Paul, Minn. Handle for doors. 1,487,264; Mar. 18.

Reaves, William P., Greensboro, N. C. Optical apparatus. 1,487,473; Mar. 18.

Reed, C. E. (See Miller, William J., assignor.)

Reed, Clarence E. (See Duda, Oswald, assignor.)

Reed, Harrison P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. 1,487,697; Mar. 18.

Reese, Allyn R., Denver, Colo. Basket-ball goal indicator. 1,487,265; Mar. 18.

Regan, Paul T., Oakland, Calif., assignor to Anderson-Knedebrock Company, Inc. Trailer brake. 1,487,266; Mar. 18.

Rehfeld, George W., Riley County, Kans. Silt accumulator. 1,487,668; Mar. 18.

Reincke, Charles, New York, N. Y. Internal-combustion engine. 1,487,180; Mar. 18.

Reiss, Raymond, Boston, Mass. Ratchet wrench. 1,486,921; Mar. 18.

Remington Accounting Machine Corporation. (See Poole, Arthur F., assignor.)

Remington Typewriter Company. (See Holden, Joseph B., assignor.)

Restel, Theodore, Cleveland, Ohio. Cylinder hone or lapping tool. 1,487,401; Mar. 18.

Retallack, John B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,487,267; Mar. 18.

Rexroad, Claude B. (See Moats, O. R., and Rexroad.)

Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Tension mechanism for textile and other machines. Re15,798; Mar. 18.

Rhodes, Henry J., Vancouver, British Columbia, Canada. Casing for small cooking stoves. 1,487,474; Mar. 18.

Ribyat, Ike W., Syracuse, N. Y. Crib for automobiles. 1,487,475; Mar. 18.

Rice, Otis D., Winthrop, Mass. Drying apparatus. 1,487,362 Mar. 18.

Rideout, William A., Oshkosh, Wis. Extension lever. 1,487,604; Mar. 18.

Riesmer, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation. Valve. 1,487,023; Mar. 18.

Rietveld, Gideon. (See Avery, H. R., and Rietveld.)

Ringler, William A., Philadelphia, Pa. Frame or holder for display matter. 1,487,520; Mar. 18.

Rialing, Daniel W., Mission Hill, S. Dak. Trap. 1,487,605; Mar. 18.

Roach, Joseph H., deceased, Brookline, Pa.; W. T. Roach, executor. Underfeed stoker furnace. 1,487,076; Mar. 18.

Roach, Walter T., executor. (See Roach, Joseph H.)

Roberts and Schaefer Company. (See Ross, Clyde P., assignor.)

Roberts, Claude D. (See Willis, William Z., assignor.)

Robeson, John C., Los Angeles, Calif. Sign holder. 1,487,606; Mar. 18.

Robinson, Erdis G., Columbus, Ohio. Lens-grinding lap. 1,487,024; Mar. 18.

Robinson, Frank H., Bayonne, N. J., assignor to National Metal Spinning & Stamping Co., New York, N. Y. Lighting fixture. 1,487,181; Mar. 18.

Robinson, Grosvenor P., Summit, N. J., assignor to Lighting Studios Company, New York, N. Y. Portable lamp. Des. 64,265; Mar. 18.

Rodebush, Worth H., Berkeley, Calif., assignor to U. S. Industrial Alcohol Co. Apparatus for obtaining alcohol. 1,487,182; Mar. 18.

Rohrbach, William, Glendale, N. Y. Bird nest. 1,487,268; Mar. 18.

Rohrbach, William, Glendale, N. Y. Bird nest. 1,487,269; Mar. 18.

Rombach, Paul, Karlsruhe, Germany. Electric pocket and night lamp. 1,487,476; Mar. 18.

Rose, George H., Ben Avon, Pa. Inclined furnace hoist. 1,487,025; Mar. 18.

Rose, George H., Ben Avon, Pa., assignor to The American Steel and Wire Company of New Jersey. Blast furnace. 1,487,026; Mar. 18.

Rosen, Joseph S., New York, N. Y. Label holder. 1,487,607; Mar. 18.

Rossettreter, Albert J., Boonton, N. J., assignor to F. E. Hutchins, New York, N. Y., and E. Zabriskie, Maplewood, N. J. Safety mechanism for elevator-shaft doors. 1,487,027; Mar. 18.

Ross, Allie F., Corinth, Miss. Brake. 1,486,922; Mar. 18.

Ross, Clyde P., assignor to Roberts and Schaefer Company, Chicago, Ill. Automatic reversible hoist. 1,486,923; Mar. 18.

Ross, Lorne P., San Jose, Costa Rica. Valve. 1,487,477; Mar. 18.

Rothermund, Werner F., assignor to Thompson & Norris Company, Brooklyn, N. Y. Lock for cartons. 1,487,363; Mar. 18.

Roucka, Erich, Blansko, Czechoslovakia. Fluid-flow-measuring device. 1,487,402; Mar. 18.

Rowland, William B., Bakersfield, Calif. Crown block for well-drilling apparatus. 1,487,608; Mar. 18.

Royal Typewriter Company. (See Myers, Lewis C., assignor.)

Rubin, Adolph, assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Refrigerator lock. 1,487,478; Mar. 18.

Rundell, Rupert E., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cigarette-machine cut-off. 1,487,028; Mar. 18.

Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar-bunch-rolling-mechanism charger. 1,487,029; Mar. 18.

Ruppel, Joseph A., Seligenstadt, Germany. Soldering iron. 1,486,924; Mar. 18.

Rushmore, Samuel W., Plainfield, N. J. Elevator-control system. 1,487,270; Mar. 18.

Russell, Thomas N., assignor to Chicago Cleveland Car Roofing Company, Chicago, Ill. Carline. 1,487,271; Mar. 18.

Ryan, Williiam M. (See Randel, Ivar A., assignor.)

Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Lever construction. 1,487,183; Mar. 18.

Sala, John, Baltimore, Md. Locking device for automobiles. 1,487,272; Mar. 18.

St. Clair, Byron W., and S. C. Hoare, Lynn, Mass., assignors to General Electric Company. Alternating-current potentiometer. 1,487,615; Mar. 18.

Sammons, John S., Chicago, Ill. Shade-display stand. 1,487,609; Mar. 18.

Sander, Herman, Fargo, N. Dak. Animal trap. 1,487,479; Mar. 18.

Sang, Charley, Castroville, Calif. Potato harvester. 1,487,273; Mar. 18.

Sannier, August, San Francisco, assignor of one-half to E. Nelson, Oakland, Calif. Bolting-up device and temporary fastener. 1,487,184; Mar. 18.

Sauser S. A. Fabrique de Vis de Précision. (See Wydler, Hermann, assignor.)

Scalpelli, Sylvester, Joliet, Ill. Bumper. 1,486,925; Mar. 18.

Schafer, Rex, Long Beach, Calif. Amusement device. 1,487,274; Mar. 18.

Scharschu, Charles A., Pittsfield, Mass., assignor to General Electric Company. Electrometallurgy. 1,487,275; Mar. 18.

Schatzel, Albert F., assignor of one-half to I. M. Smith, San Diego, Calif. Washer. 1,487,610; Mar. 18.

Scheibert, Rudolph H., Cincinnati, Ohio, assignor of one-fourth to N. C. Shelton, Covington, Ky., and one-fourth to C. A. McClanahan, Cincinnati, Ohio. Toy track. 1,487,611; Mar. 18.

Scherer, Karl, New York, N. Y. Automobile lock. 1,487,480; Mar. 18.

Scheuer, Alfred, Vienna, and H. Scheuer, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Netherlands. Brake apparatus. 1,486,926; Mar. 18.

Scheuer, Hugo. (See Scheuer, Alfred and H.)

Schey, Max, Brooklyn, N. Y. Broiling apparatus. 1,487,481; Mar. 18.

Schmidt, John W., Millstone, Ky. Tie bar and slide plate for railway tracks. 1,487,364; Mar. 18.

Schneider & Cie. (See Schneider, Eugène, assignor.)

Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Multibarrel gun. 1,487,695; Mar. 18.

Schneider, Jacques, F. Billon, Solothurn, and E. Hurlimann, Zuchwil, assignors to the Firm Scintilla, Solothurn, Switzerland. Interrupter in ignition apparatus for internal-combustion engines. 1,487,030; Mar. 18.

Schwengel, Oscar, Port Washington, Wis. Time-controlled switch mechanism. 1,487,276; Mar. 18.

Scintilla, Firm. (See Bohli, Jacques, assignor.)

Scintilla, Firm. (See Schneider, J., Billon, and Hurlimann, assignors.)

Sebring, Theonis C., Morenci, Mich. Furnace. 1,487,612; Mar. 18.

Seifarth, Frederick G., assignor of one-half to J. G. Wilson, Chicago, Ill. Roller bearing. 1,487,185; Mar. 18.

Seror, Albert Z., Jersey City, N. J. Toy dog. Des. 64,266; Mar. 18.

Severin, Fredrick J., San Diego, Calif. Apparatus to facilitate the making of honey frames. 1,487,123; Mar. 18.

Seyffert, William J., Germantown, Pa., assignor to Corona Manufacturing Company. Ball-winding machine. 1,486,927; Mar. 18.

Shadle, Enoch, McCrory, Ark. Boll-weevil machine. 1,487,031; Mar. 18.

Shanahan, Daniel T. (See Blum, A. H., and Shanahan.)

Shane, Frederick E., Kansas City, Mo. Tone modifier. 1,487,482; Mar. 18.

Shaw, George W., Philadelphia, Pa. Route or guide map. 1,487,613; Mar. 18.

Shelton, Nancy C., et al. (See Scheibert, Rudolph H., assignor.)

Shiffner, Roscoe B., Kansas City, Mo. Carboy lift. 1,487,669; Mar. 18.

Shinner, William A., Belle Plaine, Iowa. Automatic grapple. 1,487,277; Mar. 18.
Shippen, Richard, South Orange, N. J. Automatic apparatus for window and coordinated operation. 1,487,483; Mar. 18.
Short, Edgar C., St. Paul, Minn. Grain door. 1,487,278; Mar. 18.
Shubert, Zdenko A. (See Manion, Joseph A., assignor.)
Shutt, Milo, assignor to The Alliance Machine Company, Alliance, Ohio. Combined soaking-pit, twisting, and stripper crane. 1,487,032; Mar. 18.
Sieber Products Manufacturing Company. (See Rubin, Adolph, assignor.
Siebert, Werner, Laufenburg, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland. Process and device for stabilising electric arcs. 1,486,990; Mar. 18.
Siegel, Ernest, New York, N. Y., assignor to Auto Kontrol Lock Corporation. Motion-vehicle lock. 1,487,403; Mar. 18.
Siegfried, Robert. (See Jungk, H. G., and Siegfried.)
Sierakowski, Walter, Lansing, Mich. Minced-ham and sausage bladder holder. 1,487,484; Mar. 18.
Sifkovits, George, Pontiac, assignor to The Quick Change Auto Rim Company, Detroit, Mich. Demountable rim. 1,487,404; Mar. 18.
Silfvenius, Ivar, Lynn, Mass. Flying machine. 1,486,991; Mar. 18.
Silvis, Clarence A., Grand Rapids, Minn., assignor of one-half to The Itasca Paper Company. Winding shaft for paper machines. 1,487,279; Mar. 18.
Sivley, John J., Clarksville, Tex. Holder. 1,486,928; Mar. 18.
Skaarup, Christian, assignor to Aktieselskabet Drammens Armaturfabrik, Drammen, Norway. Apparatus for regulating the admission and discharge in water tanks and other receptacles. 1,487,280; Mar. 18.
Skinner, Stephen G., Wilmette, Ill., assignor, by mesne assignments, to The Folberth Auto Specialty Company, Cleveland, Ohio. Suction motor for windshield cleaners. 1,487,405; Mar. 18.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency-changer system. 1,486,929; Mar. 18.
Slikerman, Harry, assignor to The Belfit Brassiere Company, Inc., Brooklyn, N. Y. Brassière corset. 1,487,670; Mar. 18.
Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company. Glass-melting tank. 1,486,992; Mar. 18.
Sloper, Thomas, Devizes, England. Apparatus for making the covers of pneumatic tires. 1,487,033; Mar. 18.
Sloper, Thomas, Devizes, England. Appliance for the manufacture of pneumatic tires. 1,487,034; Mar. 18.
Sloper, Thomas, Devizes, England. Apparatus for use in the manufacture of rubber goods. 1,487,035; Mar. 18.
Sloper, Thomas, Devizes, England. Apparatus for use in the manufacture of rubber goods. 1,487,036; Mar. 18.
Smith, Clifford D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Vulvanizer connection. 1,487,696; Mar. 18.
Smith, Herbert J., Kearny, N. J., assignor to American Fibre Cooperage Company Inc., Dover, Del. Barrel stave. 1,487,136; Mar. 18.
Smith, Irving M. (See Schatzel, Albert F., assignor.)
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,487,187; Mar. 18.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,487,671; Mar. 18.
Smith, Orisno C. (See Higgins, E. C., jr., and Smith.)
Smith, T. L., Company, The. (See Rybeck, Adolph W., assignor.)
Smith, William B., South Wanstead, England. Post parcel, bag, sack, and analogous sealing device. 1,487,672; Mar. 18.
Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Drive mechanism for manure spreaders. 1,486,930; Mar. 18.
Snow, Barton S., Batavia, assignor to T. W. Snow Construction Co., Chicago, Ill. Sand-lifting apparatus. 1,487,485; Mar. 18.
Snow, T. W., Construction Co. (See Snow, Barton S., assignor.)
Société des Moteurs Salmson (Systeme) Canton Unne. (See Postel-Vinay, Pierre J. B., assignor.)
Sohlberg, Erik G., Schenectady, N. Y., assignor to General Electric Company. Reactance coil. 1,487,614; Mar. 18.
Solar-Sturges Mfg. Co. (See Miller, Arthur, assignor.)
Solleder, Louis A., Beaumont, Tex. Game carrier. 1,487,281; Mar. 18.
Somers, William R., New York, N. Y. Combination garment. 1,487,406; Mar. 18.
Soper, Donald, London, Ontario, Canada. Washing machine. 1,487,673; Mar. 18.
Southwick, Morris T., Hasbrouck Heights, assignor to J. H. Lynch, Asbury Park, N. J. Apparatus for marking laundry. 1,487,037; Mar. 18.
Spencer, Ira H., Hartford, assignor to The Spencer Turbine Company, West Hartford, Conn. Device for controlling valve movements in pressure apparatus. 1,487,038; Mar. 18.
Spencer Turbine Company, The. (See Spencer, Ira H., assignor.)
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Fire-control system. 1,487,282; Mar. 18.
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Spreen, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Carriage. 1,487,486; Mar. 18.
Springfield Auto Lock Company, The. (See Pfeifer, John, assignor.)
Squarcialupi, Giovanni, et al. (See Barchiesi, Aurelio, assignor.)
Stack, James R., Perth Amboy, N. J. Recovering tin. 1,487,125; Mar. 18.
Stack, James R., Perth Amboy, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Electrolytic process. 1,487,124; Mar. 18.
Standard Oil Company. (See Brooks, Andrew J., assignor.)
Starbird, Austin C., assignor to Fireite-Extinguisher Co., Apopka, Fla. Fire extinguisher. 1,487,674; Mar. 18.
Stark, Arthur, Ralston, Nebr. Draft equaliser. 1,487,487; Mar. 18.
Stark, Selina, Scranton, Pa. Gas stove. 1,486,931; Mar. 18.
Steinbecker, Karl, Charlottenburg, Germany. Internal-combustion engine. 1,487,675; Mar. 18.
Steinmüller, Ferdinand, assignor to Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany. Calculating machine. 1,487,676; Mar. 18.
Sternau, S., & Co. (See Gaynor, Arthur C., assignor.)
Stevens, Jennie E. (See Olson, H. H., and Stevens.)
Stevenson, Edward E., assignor to D. & B. Pump and Supply Company, Los Angeles, Calif. Adjustable stuffing box. 1,487,283; Mar. 18.
Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle brake. 1,486,932; Mar. 18.
Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
Stewart-Warner Speedometer Corporation. (See Wheeler, Leonard H., assignor.)
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,487,284; Mar. 18.
Stillwagon, George B., Redstone Township, Fayette County, Pa. Combined sheet severing and fastening device. 1,487,079; Mar. 18.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-setting machine. 1,487,365; Mar. 18.
Stimson, Harry W., West Allis, Wis. Lapping-in tool for internal-combustion engines. 1,487,488; Mar. 18.
Stockton, Verner T., Okemah, Okla. Clevis. 1,487,616; Mar. 18.
Stolpe, Eric, Yonkers, N. Y. Snap hook for tire chains. 1,486,993; Mar. 18.
Stolts, Carl F., Cincinnati, Ohio, and A. M. Gilbert, Mattoon, Ill. Rail drill. 1,486,933; Mar. 18.
Stone, Elmer B., New Britain, Conn. Trunk lock. Des. 64,268; Mar. 18.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 64,267; Mar. 18.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 64,268; Mar. 18.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 64,269; Mar. 18.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 64,270; Mar. 18.
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 64,271; Mar. 18.
Stoppenbach, Donald C., New York, N. Y., assignor to General Electric Company. Electrical apparatus. 1,487,617; Mar. 18.
Stone & Davis Furniture Company. (See McCargar, Joseph R., assignor.)
Straub, John A., Muskegon, Mich. Combination tray, pen-rack, and inkwell. Des. 64,272; Mar. 18.
Streda, Joseph, London, England. Rock and like drill. 1,487,489; Mar. 18.
Strmic, John M., Chicago, Ill. Combination lock. 1,486,934; Mar. 18.
Stubbins, Ancel B., Alliance, Ohio. Collar button and tie adjuster. 1,487,126; Mar. 18.
Stuppan, Otto F., Milwaukee, Wis., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Stop for sound-reproducing machines. 1,487,127; Mar. 18.
Stutika, John, West Pullman, Ill. Attachment for internal-combustion engines. 1,487,618; Mar. 18.
Sublett, Lewis H., and E. B. Peters, Georgetown, Ky. Milk strainer. 1,487,490; Mar. 18.
Subr, Max, West Palm Beach, Fla. Decorating walls, etc. 1,487,039; Mar. 18.
Summer, Harris N., Cascade, Md. Candy Easter egg. Des. 64,289; Mar. 18.

Summer, Harris N., Cascade, Md. Candy Easter egg. Des. 64,290; Mar. 18.
Summer, Harris N., Cascade, Md. Candy Easter egg. Des. 64,291; Mar. 18.
Summer, Harris N., Cascade, Md. Candy Easter egg. Des. 64,292; Mar. 18.
Summer, Harris N., Cascade, Md. Candy Easter egg. Des. 64,293; Mar. 18.
Summit Thread Company. (See Hume, Edgar D., assignor.)
Summit Thread Company. (See Johnson, Henry G., assignor.)
Susi, Dominick M., et al. (See Wiseman, Goodwin W., assignor.)
Sutcliffe, George, assignor of one-half to G. T. Williams, Chicago, Ill. Incinerator. 1,487,491; Mar. 18.
Swanson, John, and L. C. Loshbough, Chicago, Ill. Fireproof building construction. 1,486,935; Mar. 18.
Swendeman, Joseph E., Philadelphia, Pa. Apparatus for automatically separating liquids of different specific gravities. 1,486,936; Mar. 18.
Taliaferro, Thomas L., Chicago, Ill. Making bottle closures. 1,486,937; Mar. 18.
Taylor, Charles E., Rocksprings, Tex. Apparatus for the cleaning of clothes and the like. 1,487,619; Mar. 18.
Taylor, Edward A., and G. A. Keep, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Treatment of zinc-sulphide ores. 1,487,285; Mar. 18.
Taylor, Henry W., Rugby, England, assignor to General Electric Company. Induction dynamo-electric machine. 1,487,286; Mar. 18.
Tebay, Harry T., assignor of one-half to E. C. Huselton, Butler, Pa. Adjustable tractor hitch. 1,487,188; Mar. 18.
Terhune, Otis O., Gering, Nebr. Combined holder and comb cleaner. 1,487,287; Mar. 18.
Ternstedt Manufacturing Company. (See Edgar, Frank, assignor.)
Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
Thake, John A., and C. H. Torp, Brooklyn, N. Y. Fuse. 1,487,040; Mar. 18.
Theis, Hugh H., Taylor, Tex. Valve-surfacing composition. 1,487,677; Mar. 18.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Signal for weighing scales. 1,486,994; Mar. 18.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Automatic computing scale. 1,486,995; Mar. 18.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Oil container. 1,486,996; Mar. 18.
Thomas, Frank W., Quincy, Ill. Attachment for cigar holders. 1,487,407; Mar. 18.
Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Wire terminal. 1,487,620; Mar. 18.
Thomas, Joseph, Aberdeen, Wash. Scrubbing device. 1,487,621; Mar. 18.
Thomas Manufacturing Company, The. (See Thomas, Wallace S., assignor.)
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,487,692; Mar. 18.
Thomas, Thomas P. (See Marden, J. W., Conley, and Thomas.)
Thomas, Wallace S., assignor to The Thomas Manufacturing Company, Springfield, Ohio. Mowing machine. 1,487,622; Mar. 18.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,487,492; Mar. 18.
Thompson, Morris, Nyack, N. Y. Tire protector. 1,487,623; Mar. 18.
Thompson & Norris Company. (See Rothermund, Werner F., assignor.)
Thompson, Robert G., assignor to C. W. Nelson, King County, Wash. Claw hammer. 1,487,060; Mar. 18.
Thronsen, Sigurd, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for treating glass. 1,487,288; Mar. 18.
Thurston, Ernest B., assignor to The Haughton Elevator & Machine Company, Toledo, Ohio. Electromagnet. 1,486,938; Mar. 18.
Tichy, Frederick, Astoria, and F. H. Wappler, Elmhurst, assignors to Wappler Electric Company, Inc., Long Island City, N. Y. Combined tool box and step for motor vehicles. 1,487,408; Mar. 18.
Tilm, John A., Bay City, assignor to Detroit Automatic Engineering Co., Detroit, Mich. Safety lock valve. 1,487,289; Mar. 18.
Toledo Scale Company. (See Bergen, Harry S., assignor.)
Toledo Scale Company. (See Pool, Elmer C., assignor.)
Toledo Scale Company. (See Thomas, Edward G., assignor.)
Tollefson, Tollak, Bonilla, S. Dak. Mail-box bracket. 1,487,625; Mar. 18.
Tollefson, Tollak, and G. Merklin, Bonilla, S. Dak. Dust guard. 1,487,624; Mar. 18.
Tolman, Roy D., Worcester, Mass. Ballot-marking apparatus. 1,487,493; Mar. 18.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Bolt anchor. 1,487,290; Mar. 18.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield with interlocking cap. 1,487,291; Mar. 18.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,487,292; Mar. 18.
Torp, Christian H. (See Thake, J. A., and Torp.)
Tozier, Benjamin F., Lynn, Mass. Means for preventing vehicle thefts and recovery of stolen vehicles. 1,487,041; Mar. 18.
Trailmobile Company, The. (See Morrison, James, assignor.)
Treganza, Howard J., assignor to Ansonia Clock Co., Brooklyn, N. Y. Clock. 1,487,293; Mar. 18.
Trencham, Henry, Ruislip, England, assignor to General Electric Company. Distribution system. 1,487,294; Mar. 18.
Trowbridge, William J., Chester, Tex. Socket wrench. 1,487,295; Mar. 18.
Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)
Tueckmantel, Hugo, Irvington, N. J., assignor to The R. Neumann Hardware Co. Bag-frame fastener. 1,487,366; Mar. 18.
Tulley, William M., Corpus Christi, Tex. Valve silencer. 1,487,626; Mar. 18.
Turbinator Company, The. (See Cooke, G. C., and Michal, assignors.)
Tuten, Laurence R., Columbia, S. C. Pulley and the like. 1,487,627; Mar. 18.
Tvedt-Smith Company. (See Blackmer, Waldo H., assignor.)
Twin Disc Clutch Company. (See Fawick, T. L., and Batten, assignors.)
Twin Packer Oil and Gas Company. (See Gallagher, Thomas H., assignor.)
Twin-Plex Reversible Window Company, The. (See Bradner, Harry E., assignor.)
Tyrrell, Donald W., assignor to French & Carbon Co., Madison, Wis. Battery. 1,487,494; Mar. 18.
Underwood, Charles W., North Providence, R. I., assignor to J. H. Rand, North Tonawanda, N. Y. Index. 1,487,296; Mar. 18.
Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Underwood Typewriter Company. (See Wherry, John A., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)
United Shoe Machinery Corporation. (See Mackenzie, F. L., and Goddu, assignors.)
United Shoe Machinery Corporation. (See McIntire, James E., assignor.)
United Shoe Machinery Corporation. (See Miller, Lloyd G., assignor.)
United States Gypsum Company. (See Birdsey, Charles E., assignor.)
U. S. Industrial Alcohol Co. (See Rodebush, Worth H., assignor.)
Universal Safety Ash Tray Company. (See Jones, Howard N., assignor.)
Urbanek, Ottokar, Vienna, Austria. Heating appliance. 1,487,297; Mar. 18.
Van de Velde, Harold R. C. (See Whistlecroft, A. W., and Van de Velde.)
Vear, Rose, Chicago, Ill. Doll. Des. 64,273; Mar. 18.
Vennes, Harald J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vibration. 1,487,298; Mar. 18.
Vennewitz, Edward J. (See Helms, Arthur J., assignor.)
Vetter, Ignatius J., New York, N. Y. Phonograph or other sound producer or reproducer. 1,487,299; Mar. 18.
Vickers Limited. (See Lucas, Owen D., assignor.)
Vogt Mfg. Corporation. (See Brown, Albert, assignor.)
Volt, Richard, Philadelphia, Pa. Bedspread or similar article. Des. 64,274; Mar. 18.
Von Germeten, George T., and C. F. Hansen, Racine, Wis. Disappearing foot rest. 1,487,495; Mar. 18.
Von Hofe, Frederick H., South Orange, N. J. Bandage. 1,487,628; Mar. 18.
Wagner, Michael M., Baltimore, Md. Molder's flask. 1,486,997; Mar. 18.
Wahl, Leo J., Sterling, Ill. Clipper. 1,487,189; Mar. 18.
Wainwright, Jonathan, jr., Philadelphia, Pa. Paper bottle. 1,487,629; Mar. 18.
Waldheim, John, Elisabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,487,190; Mar. 18.
Walker, Edward C. (See Youtsey, F. S., Walker, and Moses.)
Wallin, Joseph W., Beloit, Wis. Station indicator. 1,487,409; Mar. 18.

Walsh, Burton T., Chicago, Ill., assignor to F. H. Funchess, Hanford, Calif. Piston ring. 1,487,630; Mar. 18.
Walton, Thomas, London, England. Typewriter. 1,487,300; Mar. 18.
Waltz, Fred B., Los Angeles, Calif. Reversible lock hinge. 1,487,081; Mar. 18.
Wanger, David E., Winnetka, Ill. Exercising device. 1,487,631; Mar. 18.
Wappler Electric Company. (See Tichy, F., and Wappler, assignors.)
Wappler, Frederick H. (See Tichy, F., and Wappler.)
Warden, H. C. (See Keymel, Peter J., assignor.)
Waring, Ralph G., Syracuse, N. Y. Polishing compound for cleaning and restoring the luster of varnish, enamel, and lacquer. 1,487,632; Mar. 18.
Washburn, Edgar L., Worthington, Ohio. Bracket for vehicle springs. 1,487,410; Mar. 18.
Washburn, Frederick C., New Bedford, Mass. Textile roll. 1,487,633; Mar. 18.
Wasson, Robert B., Cranford, N. J. Ring-notching machine. 1,487,411; Mar. 18.
Waterbury Buckle Co. (See Maltby, Julius, assignor.)
Waters, Lawrence W., Kingsburg, Calif. Flexible conveyer. 1,487,634; Mar. 18.
Watters, Daniel M., assignor to Killefer Manufacturing Company, Los Angeles, Calif. Cultivator. 1,487,412; Mar. 18.
Watters, Daniel M., assignor to The Killefer Manufacturing Company, Los Angeles, Calif. Power lift for ground-working implements. 1,487,413; Mar. 18.
Watts, John A., Milford, Pa. Silent policeman. 1,487,635; Mar. 18.
Weatherhead, Edward H., assignor to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Filling machine. 1,487,414; Mar. 18.
Webbing & Edging Corporation. (See Baer, Julius, assignor.)
Wedoit Company, The. (See Landrum, F. H., and Cramer, assignors.)
Weisbarth, John, Mansfield, Ohio. Filing cabinet. 1,487,415; Mar. 18.
Welch, John M. (See Dye, G. M., and Welch.)
Welch, John M., assignor to Pako Corporation, Minneapolis, Minn. Photographic-printing machine. 1,487,191; Mar. 18.
Wentworth, James H., Lynn, Mass. Doorknob. 1,487,496; Mar. 18.
Werdenhoff, Charles W., Minneapolis, Minn. Tractor machine. 1,487,128; Mar. 18.
Western Electric Company. (See Atwood, George F., assignor.)
Western Electric Company. (See Booth, William T., assignor.)
Western Electric Company. (See Buckley, Oliver E., assignor.)
Western Electric Company. (See Chaplin, Merle P., assignor.)
Western Electric Company. (See Deakin, Gerald, assignor.)
Western Electric Company. (See Egerton, Henry C., assignor.)
Western Electric Company. (See Farrington, John F., assignor.)
Western Electric Company. (See Hermann, Raymond R., assignor.)
Western Electric Company. (See Knoop, William A., assignor.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Lundell, George A. E., assignor.)
Western Electric Company. (See McQuarrie, James L., assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Retallack, John B., assignor.)
Western Electric Company. (See Thronsen, Sigurd, assignor.)
Western Electric Company. (See Vennes, Harold J., assignor.)
Western Union Telegraph Company, The. (See Murray, Donald, assignor.)
Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)
Westinghouse Air Brake Company, The. (See Beck, Carl E., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Air Brake Company, The. (See Winter, Harry J., assignor.)
Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Adams, James L., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Boddie, Clarence A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frederick, Louis T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hall, A. J., Clarke, and Mardis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hall, Arthur J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hibbard, Lloyd J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Himes, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jungk, H. G., and Siegfried, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lovell, Charles W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Lamp Company. (See Marden, J. W., Conley, and Thomas, assignors.)
Wheeler, Leonard H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum-producing means for fuel-feed devices. 1,487,129; Mar. 18.
Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Collating depice for typewriters and adding machines. Re. 15,799; Mar. 18.
Whewell, Thomas, New York, N. Y. Folding furniture. 1,487,497; Mar. 18.
Whistlecroft, Arthur W., London, and H. R. C. Van de Velde, Bromley, England, assignors to Radio Corporation of America, New York, N. Y. Winch. 1,487,498; Mar. 18.
White, Julius G., San Francisco, Calif. Hair curler. 1,487,636; Mar. 18.
White, Julius G., San Francisco, Calif. Hair-curling device. 1,487,637; Mar. 18.
White, William C., Schenectady, N. Y., assignor to General Electric Company. Signaling system. 1,487,301; Mar. 18.
Whitlock, Fred B., Cleveland Heights, Ohio. Tractiou element for tractors. 1,487,416; Mar. 18.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument-driving connection for motor vehicles. 1,487,499; Mar. 18.
Wickens, George E., Avon, S. Dak. Road drag. 1,487,192; Mar. 18.
Wiley, William R., Detroit, Mich. Vehicle door lock. 1,486,998; Mar. 18.
Wilkin, John T., Connersville, Ind. Gas meter. 1,487,042; Mar. 18.
Will, Victor R., Sacramento, Calif. Ornamental lamp. Des. 64,273; Mar 18.
Willfroth, Ernst. (See Mittasch, A., Willfroth, and Bals.)
Williams, Alonzo W., Bolivar, Pa. Trolley contact. 1,486,999; Mar. 18.
Williams, George T. (See Sutcliffe, George, assignor.)
Williams, Harry M., and J. W. Dean, deceased, by R. L. Dean, administratrix, Little Rock, Ark. Weed burner. 1,487,367; Mar. 18.
Williams, Harry S., assignor to J. W. Heard, San Antonio, Tex. Tiltable steering wheel. 1,487,638; Mar. 18.
Williams, Leslie E., Wichita Falls, assignor of one-half to C. Allday, Petrolia, Tex. Changeable sign with locking device. 1,487,500; Mar. 18.
Williams, Percy B. T., Philadelphia, Pa. Neck-duster brush. Des. 64,276; Mar. 18.
Williams, Percy Q., Cincinnati, Ohio. Conveying mechanism. 1,487,000; Mar. 18.
Williams, Percy Q., Cincinnati, Ohio. Apparatus for receiving glassware. 1,487,001; Mar. 18.
Williams, Russell M., assignor to William L. Gilbert Clock Company, Winsted, Conn. Display stand. Des. 64,277; Mar. 18.
Willis, Le Roy F., St. Louis, Mo. Machine for placing wedges in armature slots. 1,487,302; Mar. 18.
Willis, William Z., assignor of forty-nine one-hundredths to C. D. Roberts, Oakman, Ala. Wagon brake. 1,487,639; Mar. 18.
Wilson, James G. (See Seifarth, Frederick G., assignor.)
Winget, Augustin C. (See Winget, Jasper S., assignor.)
Winget, Jasper S., York, assignor of one-half to A. C. Winget, Tyrone, Pa. Cigar-wrapping machine. 1,487,640; Mar. 18.
Winning, John F. F., Hanwell, assignor to Finnigans Limited, Manchester, England. Fastening for bags, trunks, boxes, and the like. 1,487,641; Mar. 18.
Winter, Harry J., Southgate, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,486,939; Mar. 18.
Wise, Nathan, Mount Vernon, N. Y. Stem-making machine. 1,486,940; Mar. 18.
Wiseman, Goodwin W., assignor to D. M. Sust and N. H. Barrows, Waterville, Me. Potato harvester. 1,487,642; Mar. 18.
Witherell, Burritt F., Detroit, Mich. Package-severing device. 1,487,130; Mar. 18.
Witkus, Frank F., Newport, N. H. Presser-foot-controlling device. 1,487,417; Mar. 18.

Witkus, Frank F., Newport, N. H. Presser-foot-controlling device. 1,487,418; Mar. 18.
Witkus, Frank F., Newport, N. H. Presser-foot-controlling device. 1,487,419; Mar. 18.
Witkus, Frank F., Newport, N. H. Presser-foot-controlling device. 1,487,420; Mar. 18.
Witkus, Frank F., Newport, N. H. Presser-foot-controlling device. 1,487,421; Mar. 18.
Woernley, Harry F., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft gear. 1,486,941; Mar. 18.
Wolfe, Pauline, Davenport, Iowa. Hair curler. 1,487,643; Mar. 18.
Wollmann, Jacob, Freeman, S. Dak. Device for cleaning and cooling grain. 1,487,303; Mar. 18.
Woltkamp, Roy E., Kansas City, Kans. Spring-retaining device. 1,487,082; Mar. 18.
Wood, Casimir J., San Francisco, Calif. Stoker. 1,487,501; Mar. 18.
Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Magneto flash lamp. 1,487,502; Mar. 18.
Woonsocket Machine & Press Co. (See Albrecht, G. F., and Brook, assignors.)
Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
Wydler, Hermann, Berne, assignor to Sauser S. A. Fabrique de Vis de Precision, Soleure, Switzerland. Automatic acting apparatus for measuring definite quantities of liquids. 1,487,304; Mar. 18.
Yerger, Charles W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,487,422; Mar. 18.
Young, George W., London, England. Bookbinding machine. 1,487,305; Mar. 18.
Youngberg, Carl E. (See Bergren, John A., assignor.)
Youtsey, Floyd S., Collinsville, Ill., E. C. Walker, St. Louis, Mo., and A. S. Moses, New York, N. Y. Welding method and apparatus. 1,487,043; Mar. 18.
Zabriskie, Edgar, et al. (See Rosentreter, Albert J., assignor.)
Zea, Lester M., La Hogue, Ill. Flue beader. 1,487,644; Mar. 18.
Zimmermann, Ralph H., Lincoln, Nebr. Clothespin. 1,487,083; Mar. 18.
Ziska, Adam, jr., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Starter. 1,487,503; Mar. 18.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator. J. B. Collins. 1,487,090; Mar. 18.
Acid. Removal of fluorine compounds from phosphoric. J. N. Carothers and A. B. Gerber. 1,487,205; Mar. 18.
Acid sludge, Treating. E. C. Higgins, jr., and O. C. Smith. 1,487,240; Mar. 18.
Actuating mechanism, Intermittently-operated. F. W. Bold. 1,487,434; Mar. 18.
Adding machine. J. L. Landenberger. 1,487,069; Mar. 18.
Aeroplane. E. Garcia. 1,487,228; Mar. 18.
Aeroplanes, Apparatus for increasing the range of speed of. P. J. R. Postel-Vinay. 1,487,598; Mar. 18.
Agitating and mixing device. G. C. Cooke and J. A. Michal. 1,487,209; Mar. 18.
Agricultural implement. R. H. Griffith. 1,487,379; Mar. 18.
Airplane signaling apparatus. W. T. Booth. 1,487,309; Mar. 18.
Alarm mechanism. C. Bascome. 1,487,525; Mar. 18.
Alcohol, Apparatus for obtaining. W. H. Rodebush. 1,487,132; Mar. 18.
Alloy, Forming iron-tin. H. H. Alexander. 1,487,133; Mar. 18.
Alloys, Hardening steel. A. Fry. 1,487,554; Mar. 18.
Alum, Manufacture of chrome. P. Hasenclever. 1,486,961; Mar. 18.
Amusement device. R. Schafer. 1,487,274; Mar. 18.
Angle short-cut paste, Cutter for. M. E. Fontana. 1,487,323; Mar. 18.
Animal trap. H. Sander. 1,487,479; Mar. 18.
Antiskid device. A. B. Huselton. 1,487,572; Mar. 18.
Antiskid device. W. D. Ingraham. 1,487,163; Mar. 18.
Arch support. J. A. Foster. 1,487,095; Mar. 18.
Ash pan. G. O. Pope. 1,487,400; Mar. 18.
Auger bit or drill. H. Hundrieser. 1,486,898; Mar. 18.
Auto life guard. J. H. Nelson. 1,487,352; Mar. 18.
Auto truck or dolly. T. J. McCarthy. 1,487,584; Mar. 18.
Automobile band-brake attachment. V. R. Carlson. 1,487,204; Mar. 18.
Automobile buffer bracket. O. H. Goetz. 1,487,557; Mar. 18.
Automobile fender, Signal-light. J. Podmajersky. Des. 64,264; Mar. 18.
Automobile fenders, Brace for. T. Burgess. 1,486,948; Mar. 18.
Automobile identifier. H. P. Heeren. 1,487,159; Mar. 18.
Automobile lock. J. Ratto. 1,487,603; Mar. 18.
Automobile lock. K. Scherer. 1,487,480; Mar. 18.
Automobile luggage carrier. A. J. Hayden. 1,487,564; Mar. 18.
Automobile stop and direction signal lens. B. J. Grigsby. Des. 64,244; Mar. 18.
Automobile switch. J. L. Adams, jr. 1,487,002–3; Mar. 18.
Automobile tail light and license-plate illuminator, Combined. J. G. Peters. 1,487,546; Mar. 18.
Automobiles, Combined trip bumper and collision screen for. W. J. Moore. 1,486,913; Mar. 18.
Automobiles, Dustguard case for. A. H. Blum and D. T. Shanahan. 1,487,009; Mar. 18.
Automobiles, Locking device for. J. Saia. 1,487,272; Mar. 18.
Automobiles, Windshield device for. A. M. Dixon. 1,487,151; Mar. 18.
Axle for motor trucks, Double-reduction. W. G. Hawley. 1,487,563; Mar. 18.
Badge or similar article. E. R. Locke. Des. 64,254; Mar. 18.
Bag-frame fastener. H. Tueckmantel. 1,487,366; Mar. 18.
Bags, trunks, boxes, and the like, Fastening for. J. F. F. Winnink. 1,487,641; Mar. 18.
Bait, Artificial. R. G. Goble. 1,487,556; Mar. 18.
Ball-lacing device. C. J. Jensen. 1,487,658; Mar. 18.
Ball-winding machine. W. J. Seyffert. 1,486,927; Mar. 18.
Ballot-marking apparatus. R. D. Tolman. 1,487,493; Mar. 18.
Bandage. F. H. Von Hofe. 1,487,628; Mar. 18.
Barbecue pit. E. A. Freeman. 1,486,875; Mar. 18.
Barrel-seaming machine. B. J. Lindgren. 1,486,974; Mar. 18.
Barrel stave. H. J. Smith. 1,487,186; Mar. 18.
Basket-ball goal indicator. A. R. Reese. 1,487,265; Mar. 18.
Batteries and producing the same, Electrode element for galvanic. L. S. Dunham. 1,486,955; Mar. 18.
Battery: *See*—
  Storage battery.
Battery. W. Balderston. 1,487,428–30; Mar. 18.
Battery. D. W. Tyrrell. 1,487,494; Mar. 18.
Battery compound. A. E. Hanson and H. Moe. 1,487,235; Mar. 18.
Bearing, Guide. E. Evans. 1,487,322; Mar. 18.
Bearing, Latch. F. Edgar. 1,486,956; Mar. 18.
Bearing, Roller. F. G. Seifarth. 1,487,185; Mar. 18.
Bearing, Yarn-spool. E. F. Clark. 1,487,442; Mar. 18.
Bed, Folding. N. B. Douglass. 1,487,218; Mar. 18.
Beds, Sling attachment for hospital. H. C. Deakins. 1,487,150; Mar. 18.
Bedspread or similar article. R. Voit. Des. 64,274; Mar. 18.
Belt, Catamenial. A. D. Filiatrault. 1,487,154; Mar. 18.
Berry-picker's carrier. W. T. Oliver. 1,487,684; Mar. 18.
Bit: *See*—
  Mining-machine bit.
Blade-holding device. L. Hlavacek. 1,487,655; Mar. 18.
Blanket. F. A. Andrews. Des. 64,230–5; Mar. 18.
Blast furnace. G. H. Rose. 1,487,026; Mar. 18.
Block: *See*—
  Concrete building block.
Block. E. H. Kirkpatrick. 1,487,578; Mar. 18.
Board: *See*—
  Game board. Panel board.
  Ironing board.
Boiler: *See*—
  Steam boiler.
Boll-weevil-catching machine. S. Pavillard. 1,487,357; Mar. 18.
Boll-weevil machine. E. Shadle. 1,487,031; Mar. 18.
Bolt anchor. C. C. Tomkinson. 1,487,200; Mar. 18.
Bolting-up device and temporary fastener. A. Saunier. 1,487,184; Mar. 18.
Bonding material. E. Gossett. 1,487,057; Mar. 18.
Bookbinding machine. G. W. Young. 1,487,305; Mar. 18.
Boring machines and the like, Precision device for. H. E. Kempton. 1,486,968; Mar. 18.
Bottle closures, Making. T. L. Tallaferro. 1,486,937; Mar. 18.
Box: *See*—
  Cyanide box. Oil-vapor baffle box.
  Engine driving box. Outlet box.
  Fuse box. Powder-dispensing box.
  Mail box. Stuffing box.
Box. R. A. Feroe. 1,487,224; Mar. 18.
Box. J. W. Miller. Des. 64,260; Mar. 18.
Bracelet. T. F. McDermott. Des. 64,259; Mar. 18.
Bracket: *See*—
  Nose-block bracket. Mail-box bracket.
Brake: *See*—
  Fluid-pressure brake. Vehicle brake.
  Trailer brake. Wagon brake.
Brake. A. F. Ross. 1,486,922; Mar. 18.
Brake apparatus. A. and H. Scheuer. 1,486,926; Mar. 18.
Brake device. J. L. Garet-Ragot. 1,487,652; Mar. 18.
Brake device, Load-. C. C. Farmer. 1,486,872; Mar. 18.
Brake-shoe head. J. E. Bartholomew. 1,486,854; Mar. 18.
Brick. J. Lane. 1,487,247; Mar. 18.
Brick, Side arch. E. M. Carroll. 1,487,146; Mar. 18.
Bricksetting machine. G. E. Luce. 1,487,688; Mar. 18.
Broiling apparatus. M. Schey. 1,487,481; Mar. 18.
Broom and making same. A. H. Henning and O. E. Quast. 1,487,382; Mar. 18.
Brush. S. L. Apatow. 1,487,523; Mar. 18.
Brush, Neck-duster. P. B. T. Williams. Des. 64,276; Mar. 18.
Brush rake. G. C. Groeneveld. 1,487,559; Mar. 18.
Brush, Rotary. A. L. Norris. 1,487,466; Mar. 18.
Buckle, Slide. J. Maltby. 1,487,395; Mar. 18.
Buckle, Sliding-prong. A. H. Kerngood. 1,487,577; Mar. 18.
Building construction. E. Fink. 1,487,155; Mar. 18.
Building construction, System of. R. L. Coburn. 1,487,212; Mar. 18.
Building material. O. P. Hipple. 1,486,894; Mar. 18.

Building plates, Manufacture of fireproof and waterproof wooden. N. Magelssen. 1,487,255; Mar. 18.
Building, Portable. A. Loeffler. 1,487,583; Mar. 18.
Bumper. G. Kawasaki. 1,487,105; Mar. 18.
Bumper. S. Scalpelli. 1,486,925; Mar. 18.
Burner: *See*—
  Liquid-fuel burner. Weed burner.
  Oil burner.
Bushing, Adjustable. A. C. Bunten. 1,487,534; Mar. 18.
Bushing-removing tool. L. Novotny. 1,487,592; Mar. 18.
Button and tie adjuster, Collar. A. B. Stubbins. 1,487,126; Mar. 18.
Button, Attaching. E. H. Jones. 1,487,067; Mar. 18.
Cabinet, Shelf. E. Ohnstrand. 1,487,666; Mar. 18.
Cake cutter. C. A. Frahm. 1,487,226; Mar. 18.
Calculating device. H. Hansson. 1,487,460; Mar. 18.
Calculating machine. M. Frens. 1,487,157; Mar. 18.
Calculating machine. A. F. Poole. 1,487,122; Mar. 18.
Calculating machine. F. Stemmler. 1,487,676; Mar. 18.
Can: *See*—
  Tobacco can.
Can-emptying machine. F. Pilley. 1,487,076; Mar. 18.
Candle. H. Gruesser. Des. 64,245; Mar. 18.
Cap and muffler, Combined. J. MacWilliam. 1,486,980; Mar. 18.
Car. A. Campbell. 1,487,203; Mar. 18.
Car, Automatic dump. A. Brezovits and A. L. Herr. 1,487,200; Mar. 18.
Car-brake-operating mechanism. W. D. Brewster. 1,487,531–2; Mar. 18.
Car-control equipment, Safety. C. H. Beck. 1,486,856; Mar. 18.
Car-door-operating mechanism. A. Campbell. 1,486,949; Mar. 18.
Car, Dump. A. Brezovits and A. L. Herr. 1,487,201; Mar. 18.
Car, Load-discharging. A. Campbell. 1,487,202; Mar. 18.
Car-loading device, Mine-. H. Ingram. 1,487,573; Mar. 18.
Car, Railway. R. Lorens. 1,487,394; Mar. 18.
Cars, Final drive for railway motor. C. F. Drumm. 1,487,447; Mar. 18.
Carboy lift. R. B. Shiffner. 1,487,660; Mar. 18.
Carburetor. W. S. Guthrie. 1,487,234; Mar. 18.
Carline. J. J. McCarthy. 1,487,253; Mar. 18.
Carline. T. N. Russell. 1,487,271; Mar. 18.
Carpet liner. B. H. Blocksom. 1,486,858; Mar. 18.
Carriage. C. C. Spreen. 1,487,486; Mar. 18.
Carrier: *See*—
  Automobile luggage carrier. Game carrier.
  Berry-picker's carrier. Invalid carrier.
Carrying case and article of furniture, Combined. A. F. Kantchack. 1,487,575; Mar. 18.
Carton lock. W. F. Rothermund. 1,487,363; Mar. 18.
Case: *See*—
  Memorandum case. Traveling case.
  Pen and pencil case.
Case. G. S. Beers. 1,487,006; Mar. 18.
Caster, Sliding. C. Gebhard. 1,487,678; Mar. 18.
Casting pipe, Centrifugal mold for. D. S. de Lavaud. 1,486,952; Mar. 18.
Casting, Rotary. D. S. de Lavaud. 1,486,951; Mar. 18.
Cement and the like, Hydrating. E. P. Halliburton. 1,486,883; Mar. 18.
Chain-grate stoker link. J. P. Polster. 1,486,987; Mar. 18.
Changer system, Frequency-. J. Sleplan. 1,486,929; Mar. 18.
Churn. W. H. Hall. 1,487,458; Mar. 18.
Churn dasher. J. B. Gurney. 1,487,560; Mar. 18.
Churn lid. M. C. McFarland. 1,487,254; Mar. 18.
Cigar-bunch-rolling-mechanism charger. R. E. Rundell. 1,487,029; Mar. 18.
Cigar bunches from molds, Impaling pin for machines for removing. J. W. Leary. 1,487,070; Mar. 18.
Cigar holders, Attachment for. F. W. Thomas. 1,487,407; Mar. 18.
Cigar-wrapping machine. J. S. Winget. 1,487,040; Mar. 18.
Cigarette-extinguishing device. H. N. Jones. Re15,795; Mar. 18.
Cigarette-machine cut-off. R. E. Rundell. 1,487,028; Mar. 18.
Cigarette-making machine. F. V. Lindsey. 1,487,018; Mar. 18.
Circuit breaker. C. P. Brockway. 1,487,694; Mar. 18.
Circuits for electric discharge devices. J. F. Farrington. 1,487,451; Mar. 18.
Clamp: *See*—
  Pipe-repair clamp. Temper-screw clamp.
Cleaner: *See*—
  Tooth cleaner. Windshield cleaner.
Clevis. V. T. Stockton. 1,487,616; Mar. 18.
Clipper. L. J. Wahl. 1,487,189; Mar. 18.
Clock. H. J. Treganza. 1,487,293; Mar. 18.
Clothes and the like, Apparatus for the cleaning of. C. E. Taylor. 1,487,619; Mar. 18.
Clothes hanger. F. J. Elie. 1,487,321; Mar. 18.
Clothespin. R. H. Zimmermann. 1,487,063; Mar. 18.
Clutch. T. L. Fawick and P. H. Batten. 1,487,223; Mar. 18.
Clutch and brake, Combined. W. L. Bruner. 1,487,086; Mar. 18.
Clutch, Friction. J. Bohli. 1,487,010; Mar. 18.
Coat. N. H. Fogg. Des. 64,240; Mar. 18.
Coat-collar spring. J. J. Devlin. 1,487,048; Mar. 18.
Cocks, Protector for oil. R. O. Ferguson. 1,487,054; Mar. 18.
Coil, Reactance. E. G. Sohlberg. 1,487,614; Mar. 18.
Collar and tie support. J. Maye. 1,487,306; Mar. 18.
Collector ring. W. H. Himes. 1,486,893; Mar. 18.
Collision screen. W. J. Moore. 1,487,176; Mar. 18.
Collision screen. W. J. Moore. 1,487,260; Mar. 18.
Combination lock. J. M. Strmic. 1,486,934; Mar. 18.
Combination tool. S. J. Phillips. 1,487,360; Mar. 18.
Concrete building block. W. M. Bashlin. 1,487,526; Mar. 18.
Concrete construction, Reenforced. L. S. Munson. 1,487,021; Mar. 18.
Concrete floor construction. M. S. Goldsmith. 1,487,098–9; Mar. 18.
Container. J. M. Ahlgren. 1,487,424; Mar. 18.
Container. E. F. Hulbert. 1,487,570; Mar. 18.
Container or can. A. Miller. 1,487,118; Mar. 18.
Containers, Head for metal. H. H. Hart. 1,487,653; Mar. 18.
Control apparatus. L. W. Chubb. 1,486,864; Mar. 18.
Control system. A. J. Hall. 1,486,881; Mar. 18.
Control system. A. J. Hall, J. A. Clarke, jr., and P. L. Mardis. 1,486,882; Mar. 18.
Control system. L. J. Hibbard. 1,487,680; Mar. 18.
Control system, Selective. C. B. Connely. 1,487,315; Mar. 18.
Control system, Selective. J. Eaton. 1,487,320; Mar. 18.
Conveyer. C. E. Fuller. 1,487,526; Mar. 18.
Conveyer attachment. A. W. Curtis. 1,486,950; Mar. 18.
Conveyer, Flexible. L. W. Waters. 1,487,634; Mar. 18.
Conveying mechanism. P. Q. Williams. 1,487,000; Mar. 18.
Cooking apparatus and method. F. E. Morris and J. C. Bergner. 1,486,986; Mar. 18.
Corrugating machine. B. J. Lindgren. 1,486,977; Mar. 18.
Corset, Brassière. H. Silkerman. 1,487,670; Mar. 18.
Crate, Folding. W. O. Latta and J. A. Plunk. 1,487,582; Mar. 18.
Crib and bed, Child's combination. M. L. Lange. 1,487,341; Mar. 18.
Crib, Automobile. I. W. Ribyat. 1,487,475; Mar. 18.
Crushing apparatus. T. A. Janney. 1,486,965; Mar. 18.
Cuff construction. A. A. Fournier. 1,487,452; Mar. 18.
Cuff, Soft. A. A. Fournier. 1,487,453; Mar. 18.
Cultivator. D. M. Watters. 1,487,412; Mar. 18.
Cultivator, Disk. F. J. Johnson. 1,487,388; Mar. 18.
Cup holder. J. Kaufman. 1,486,967; Mar. 18.
Current motor. K. Mukai. 1,487,665; Mar. 18.
Current motor. S. Orioka. 1,486,917; Mar. 18.
Current potentiometer, Alternating-. B. W. St. Clair and S. C. Hoare. 1,487,615; Mar. 18.
Curtain rod. B. H. Lilja. 1,487,017; Mar. 18.
Cushion, Pneumatic abrading. A. W. Mall. 1,487,256; Mar. 18.
Cutter: *See*—
  Cake cutter. Straw cutter.
Cyanide box. P. F. Harris. 1,487,236; Mar. 18.
Cylinder hone or lapping tool. T. Bestel. 1,487,401; Mar. 18.
Demonstrating device, Mechanical. P. R. Hammes. 1,487,561; Mar. 18.
Demountable wheel. W. T. Kline. 1,486,969; Mar. 18.
Dental impression tray. P. A. Lee. 1,487,392; Mar. 18.
Dental or other furnace or oven. G. M. Hollenback. 1,487,330; Mar. 18.
Desk. J. R. McCargar. Des. 64,258; Mar. 18.
Desk, Pupil. J. Miller. 1,487,465; Mar. 18.
Direction indicator. O. C. Cannon. 1,487,537; Mar. 18.
Display device. A. Dietsche, jr. 1,487,049–50; Mar. 18.
Display matter, Frame or holder for. W. A. Ringler. 1,487,520; Mar. 18.
Display stand. R. M. Williams. Des. 64,277; Mar. 18.
Display stand for merchandise. T. H. Coker. 1,487,540; Mar. 18.
Display stand, Shade-. J. S. Sammons. 1,487,609; Mar. 18.
Distilling materials. M. L. Griffin. 1,487,456; Mar. 18.
Distribution system. H. Trencham. 1,487,294; Mar. 18.
Doll. C. R. Barney. Des. 64,237; Mar. 18.
Doll. J. E. Beach, jr. Des. 64,238; Mar. 18.
Doll. R. Venr. Des. 64,273; Mar. 18.
Doll, Rabbit. C. Keating. Des. 64,251; Mar. 18.
Dolls, Voice for. A. A. Gerling and G. A. L. du Vigneau. 1,487,252; Mar. 18.
Door fastener. M. A. Andrews. 1,487,522; Mar. 18.
Door handle. J. R. Raymer. 1,487,264; Mar. 18.
Doorknob. J. H. Wentworth. 1,487,496; Mar. 18.
Door, Sliding. J. L. Bishop. 1,487,045; Mar. 18.
Draft equalizer. A. Stark. 1,487,487; Mar. 18.
Drag, Road. G. E. Wickens. 1,487,192; Mar. 18.
Drawer knob. C. G. Overmyer. 1,487,355; Mar. 18.
Drill: *See*—
  Multiple drill. Rail drill.
Drilling, Method of and apparatus for. C. Marti. 1,487,690; Mar. 18.
Drying apparatus. O. D. Rice. 1,487,362; Mar. 18.
Duplicating apparatus. R. C. Adams. 1,487,423; Mar. 18.
Dust guard. T. Tollefson and G. Merklin. 1,487,624; Mar. 18.

Egg, Candy Easter. H. N. Summer. Des. 64,289–93; Mar. 18.
Egg separator. O. W. Moeslein. 1,487,348; Mar. 18.
Electric arcs, Process and device for stabilizing. W. Siebert. 1,486,990; Mar. 18.
Electric-circuit terminal. H. E. Leppert. 1,487,682; Mar. 18.
Electric fixtures, Loom plate for. P. Lesnesky. 1,486,971; Mar. 18.
Electric generating apparatus. J. O. W. Lavallée. 1,487,342; Mar. 18.
Electric machine, Induction dynamo-. H. W. Taylor. 1,487,286; Mar. 18.
Electric machines, Device for cooling. P. Ehrmann. 1,487,221; Mar. 18.
Electric pocket and night lamp. P. Rombach. 1,487,476; Mar. 18.
Electric starter. B. R. Huntley. 1,487,686; Mar. 18.
Electric switch. C. D. Ainsworth. 1,487,425; Mar. 18.
Electric switch. G. A. Burnham. 1,487,087; Mar. 18.
Electric system for generating units. C. P. Brockway. 1,487,693; Mar. 18.
Electrical apparatus. A. W. Lundstrom. 1,487,345; Mar. 18.
Electrical apparatus. D. C. Stoppenbach. 1,487,617; Mar. 18.
Electrical circuit controller, Automatic. E. L. Edwards. 1,487,152; Mar. 18.
Electrical condenser. L. F. Fuller. 1,487,096; Mar. 18.
Electrical protective device. C. L. Fortescue. 1,486,873; Mar. 18.
Electrical system. J. E. Hellmund. 1,486,860; Mar. 18.
Electrolyte, Storage-battery. L. F. Lacy. 1,487,109; Mar. 18.
Electrolytic deposition of thorium. J. W. Marden, J. E. Conley, and T. P. Thomas. 1,487,174; Mar. 18.
Electrolytic process. J. R. Stack. 1,487,124; Mar. 18.
Electrolytic tin. C. P. Linville. 1,487,111; Mar. 18.
Electromagnet. E. B. Thurston. 1,486,938; Mar. 18.
Electrometallurgy. C. A. Scharschu. 1,487,275; Mar. 18.
Electron-discharge apparatus. H. J. Nolte. 1,487,363; Mar. 18.
Elevator-control system. S. W. Rushmore. 1,487,270; Mar. 18.
Elevator gates, Automatic control for. D. M. Hendricks. 1,486,851; Mar. 18.
Elevator-shaft doors, Safety mechanism for. A. J. Rosentreter. 1,487,027; Mar. 18.
Ellipsograph. J. Baruch. 1,487,044; Mar. 18.
Embossing and like machines, Stop mechanism of. W. P. Osgood. 1,487,262; Mar. 18.
Engine: *See*—
Heat engine. Internal-combustion engine.
Engine. J. H. Kotar. 1,486,906; Mar. 18.
Engine. E. H. Martin. 1,487,347; Mar. 18.
Engine driving box. A. S. Brandeck. 1,486,862; Mar. 18.
Engine starter. J. A. Holten. 1,487,063; Mar. 18.
Engines, Attachment for internal-combustion. J. Stutika. 1,487,618; Mar. 18.
Engines, Cooling system for combustion. E. T. Kershaw. 1,487,166; Mar. 18.
Engines, Interrupter in ignition apparatus for internal-combustion. J. Schneider, F. Billon, and E. Hurlimann. 1,487,030; Mar. 18.
Engines, Lapping-in tool for internal-combustion. H. W. Stimson. 1,487,488; Mar. 18.
Engines, Means for starting automobile. P. Rabideau. 1,487,022; Mar. 18.
Engines, Starter for internal-combustion. A. Barenyi. 1,487,193; Mar. 18.
Envelope-closing machine. F. Clarke. 1,487,047; Mar. 18.
Eraser. D. Enomoto. 1,487,052; Mar. 18.
Evening and grading machine. J. Gouldbourn. 1,486,878; Mar. 18.
Exercising device. D. E. Wanger. 1,487,631; Mar. 18.
Eyeleting machine. J. E. McIntire. 1,486,910; Mar. 18.
Fabric, Pile. C. V. Koslay. Des. 64,252–3; Mar. 18.
Fan device. W. B. Kent. 1,487,107; Mar. 18.
Fastener. E. A. Hurlbutt. 1,487,387; Mar. 18.
Fastener-attaching machine. W. E. Elliott. 1,486,870; Mar. 18.
Fastening-inserting machine. F. L. Mackenzie and G. Godda. 1,486,970; Mar. 18.
Fats and oils, Extraction of. C. F. Eddy. 1,487,449; Mar. 18.
Feed gauge. F. M. Fahlor. 1,487,550; Mar. 18.
Feeder, Automatic. E. F. Potter. 1,487,599; Mar. 18.
Fence and gate construction. J. Fasekas. 1,487,551; Mar. 18.
Filing cabinet. J. Weisbarth. 1,487,415; Mar. 18.
Filling machine. E. H. Weatherhead. 1,487,414; Mar. 18.
Film-drying apparatus, Wiping attachment for. C. H. Fuchs. 1,487,370; Mar. 18.
Firearm and ammunition therefor. R. L. Desendorf. 1,487,214; Mar. 18.
Fire-control system. E. A. Sperry. 1,487,282; Mar. 18.
Fire extinguisher. A. C. Starbird. 1,487,674; Mar. 18.
Fireproof building construction. J. Swanson and L. C. Loshbough. 1,486,935; Mar. 18.
First-aid kit. F. R. Davis. 1,487,014; Mar. 18.
Fishing tool. A. J. Butts. 1,487,440; Mar. 18.
Fixtures to outlets, Means for attaching. H. Hubbell. 1,486,896; Mar. 18.
Flash hider. W. E. Bull. 1,487,312; Mar. 18.
Flash light, Focusing. J. Graves. 1,486,879; Mar. 18.
Float. L. Cutler. 1,487,149; Mar. 18.
Floss container and paste expressor. R. T. Dial. 1,487,215; Mar. 18.
Flowerpot holder. R. George. 1,487,231; Mar. 18.
Flue beader. L. M. Zea. 1,487,644; Mar. 18.
Fluid meter. H. N. Packard. 1,487,356; Mar. 18.
Fluid-pressure brake. T. H. Thomas. 1,487,692; Mar. 18.
Fluid-pressure brake. H. J. Winter. 1,486,939; Mar. 18.
Flying machine. F. L. Heydon. 1,487,383; Mar. 18.
Flying machine. I. Silfvenius. 1,486,991; Mar. 18.
Flytrap. F. Day. 1,487,091; Mar. 18.
Food service, System of. E. D. Pratt. 1,487,179; Mar. 18.
Foot rest, Disappearing. G. T. von Germeten and C. F. Hansen. 1,487,495; Mar. 18.
Force-feed lubricator. A. E. Howell. 1,487,568; Mar. 18.
Form. R. M. Hendrickson. 1,487,239; Mar. 18.
Form for body garments, Measuring and fitting. H. Bushlowitz. 1,487,509; Mar. 18.
Frame: *See*—
Roving frame.
Frames, Apparatus to facilitate the making of honey. F. J. Severin. 1,487,123; Mar. 18.
Frequency changer and phase converter, Combined. R. E. Hellmund. 1,486,889; Mar. 18.
Fringe. F. W. Oehrle. Des. 64,261–2; Mar. 18.
Fruit containers, Protective cap for. P. J. Keymel. 1,486,904; Mar. 18.
Fruits and vegetables and similar products, Apparatus for sterilizing. F. H. Landrum and A. N. Cramer. 1,487,170; Mar. 18.
Fuel-feed devices, Vacuum-producing means for. L. H. Wheeler. 1,487,129; Mar. 18.
Furnace: *See*—
Blast furnace. Underfeed-stoker furnace.
Furnace. T. C. Sebring. 1,487,612; Mar. 18.
Furnaces, Fire bar for. W. Gibson and E. J. Pocock. 1,487,455; Mar. 18.
Furnaces having movable grates, Adjustable fire bridge for. A. W. Bennis. 1,487,527; Mar. 18.
Furnaces, Method of and apparatus for producing the reversal of regenerative. G. H. Isley. 1,487,333; Mar. 18.
Furnaces, Oil burner for. H. W. Manning. 1,487,689; Mar. 18.
Furnaces, Register for hot-air. D. Handelan. 1,487,060; Mar. 18.
Furnaces, Reversing apparatus for heating. G. H. Isley. 1,487,332; Mar. 18.
Furnaces, Reversing apparatus for regenerative. G. H. Isley. 1,487,334; Mar. 18.
Furniture, Folding. T. Whewell. 1,487,497; Mar. 18.
Fuse. J. A. Thake and C. H. Torp. 1,487,040; Mar. 18.
Fuse box, Expulsion. L. C. Hart. 1,486,960; Mar. 18.
Game board. J. Apostolski. 1,487,137; Mar. 18.
Game carrier. L. A. Solleder. 1,487,281; Mar. 18.
Game counter. D. McDonald. 1,486,983; Mar. 18.
Game or toy for building card houses. H. E. Hodgson. 1,487,102; Mar. 18.
Garbage receptacle and incinerator. H. P. Fuller. 1,487,651; Mar. 18.
Garment, Combination. W. H. Somers. 1,487,406; Mar. 18.
Gas-engine attachment. G. R. Moats and C. B. Rexroad. 1,487,590; Mar. 18.
Gas generator. G. Holmes. 1,487,104; Mar. 18.
Gas meter. J. T. Wilkin. 1,487,042; Mar. 18.
Gate fastener, Barbed-wire. G. L. E. Klingbeil. 1,486,905; Mar. 18.
Gauge: *See*—
Feed gauge.
Gauge. E. R. Dingel. 1,487,092; Mar. 18.
Gauge. J. Kurczewski. 1,487,579; Mar. 18.
Gear drive, Motor mounting for jack-shaft. H. G. Jungk and R. Siegfried. 1,486,903; Mar. 18.
Gear, Friction draft. H. F. Woernley. 1,486,941; Mar. 18.
Gearing, Differential. A. T. Nogrady. 1,487,073; Mar. 18.
Generator: *See*—
Gas generator. Steam generator.
Glass, Abrasive for grinding and smoothing. W. L. Kann. Re15,796; Mar. 18.
Glass, Device for treating. S. Thronsen. 1,487,289; Mar. 18.
Glass-melting tank. H. G. Slingluff. 1,486,992; Mar. 18.
Glassware, Apparatus for receiving. P. Q. Williams. 1,487,001; Mar. 18.
Grain, Device for cleaning and cooling. J. Wollmann. 1,487,303; Mar. 18.
Grain door. E. C. Short. 1,487,278; Mar. 18.
Grapple, Automatic. W. A. Shinner. 1,487,277; Mar. 18.
Grate. L. J. Binder. 1,487,528; Mar. 18.
Grinder, Wood. P. Priem. 1,487,601; Mar. 18.
Grinding machine, Skate-. V. A. Baker. 1,487,142; Mar. 18.
Grooving device, Adjustable. A. J. Helms. 1,487,381; Mar. 18.
Ground working implements, Power lift for. D. M. Watters. 1,487,412; Mar. 18.
Gun. R. L. Dezendorf. 1,487,213; Mar. 18.
Gun, Multibarrel. E. Schneider. 1,487,695; Mar. 18.

Guns carried by aircraft, Means for controlling the fire of automatic. O. D. Lucas. 1,486,909; Mar. 18.
Guns, Recuperator mechanism for. B. P. Joyce. 1,486,902; Mar. 18.
Hair curler. J. G. White. 1,487,636; Mar. 18.
Hair curler. P. Wolfe. 1,487,643; Mar. 18.
Hair-curling device. J. G. White. 1,487,637; Mar. 18.
Hair-dyeing comb. V. de Bassini. 1,487,374; Mar. 18.
Ham and sausage bladder holder, Minced-. W. Sierakowski. 1,487,484; Mar. 18.
Hammer, Claw. R. G. Thompson. 1,487,080; Mar. 18.
Hammer, Rotary. J. Elias. 1,486,869; Mar. 18.
Handle: *See*—
Door handle.
Handling device, Material-. C. F. Bledsoe. 1,487,190; Mar. 18.
Hanger: *See*—
Clothes hanger.
Hanging apparatus. J. E. Fugman. 1,486,876; Mar. 18.
Harrow attachment. J. W. Hudson. 1,487,330; Mar. 18.
Harvester, Potato. C. Bang. 1,487,272; Mar. 18.
Harvester, Potato. G. W. Wiseman. 1,487,642; Mar. 18.
Hat. M. Barsky and H. Farber. 1,486,853; Mar. 18.
Headers, Attachment for. F. A. Engasser. 1,487,004; Mar. 18.
Heat engine. J. F. J. Malone. 1,487,664; Mar. 18.
Heater: *See*—
Oil heater. Water heater.
Heat interchanger. G. B. Lantz. 1,487,248; Mar. 18.
Heating appliance. O. Urbasch. 1,487,297; Mar. 18.
Heel-blank separator. N. Hattenbach. 1,487,237; Mar. 18.
Hinge, Screen-door. P. J. Glancey. 1,487,233; Mar. 18.
Hinge, Reversible lock. F. B. Walts. 1,487,081; Mar. 18.
Hoist, Automatic reversible. C. P. Ross. 1,486,923; Mar. 18.
Hoist, Inclined furnace. G. H. Rose. 1,487,025; Mar. 18.
Hoist, Rotary-gear-motor. J. Ditson. 1,487,051; Mar. 18.
Holder. J. J. Sivley. 1,486,928; Mar. 18.
Holder and comb cleaner, Combined. O. O. Terhune. 1,487,287; Mar. 18.
Horse collar. A. Germundson. 1,487,555; Mar. 18.
Hose protector, Air-. A. J. Brooks. 1,487,436; Mar. 18.
Hotbed. W. McKee. 1,486,984; Mar. 18.
Hydrocarbons, Method and apparatus for refining. C. H. Burke. 1,487,438; Mar. 18.
Ice bunker. A. Audet. 1,486,849; Mar. 18.
Ice-cutting device. P. Dow. 1,487,547; Mar. 18.
Ignition and lighting switch. C. W. Lovell. 1,486,907; Mar. 18.
Incinerator. G. Sutcliffe. 1,487,491; Mar. 18.
Index. C. W. Underwood. 1,487,296; Mar. 18.
Indicator: *See*—
Basket-ball goal indicator. Scale indicator.
Direction indicator. Station indicator.
Indicator. C. A. Newitt. 1,487,119; Mar. 18.
Insulating tubes, hollow insulating cylinders, and the like, Winding machine for the manufacture of. E. Haefely. 1,487,059; Mar. 18.
Insulation and making the same, Armature-slot. L. T. Frederick. 1,486,874; Mar. 18.
Intelligence system. J. L. McQuarrie. 1,487,115; Mar. 18.
Internal-combustion engine. T. Pratt. 1,487,077; Mar. 18.
Internal-combustion engine. J. R. Quinlan. 1,486,910; Mar. 18.
Internal-combustion engine. C. Reineke. 1,487,180; Mar. 18.
Internal-combustion engine. K. Steinbecker. 1,487,675; Mar. 18.
Internal-combustion engine, Two-cycle. J. Kelley. 1,487,338; Mar. 18.
Invalid carrier. J. F. La Vigne. 1,487,171; Mar. 18.
Iron: *See*—
Soldering iron.
Ironing board. H. L. Callaway. 1,487,144; Mar. 18.
Ironing table. G. W. Lewis. 1,486,972; Mar. 18.
Jack: *See*—
Track-lining jack.
Joint: *See*—
Pipe joint.
Journal box and making the same, Pedestal. I. A. Randel. 1,486,989; Mar. 18.
Knitted fabric. C. Feig. Des. 64,239; Mar. 18.
Knitting-machine attachments or the like, Seating lock for. W. L. Lengel. 1,487,016; Mar. 18.
Knitting machines, Striping attachment for circular-. W. L. Lengel. 1,487,015; Mar. 18.
Label holder. J. S. Rosen. 1,487,607; Mar. 18.
Lace. H. B. Barnum. Des. 64,278–9; Mar. 18.
Lace. S. H. Page. Des. 64,283–5; Mar. 18.
Lace. H. A. Phillips. Des. 64,287; Mar. 18.
Ladder step and scaffold support, Combined. E. C. Jackson. 1,487,243; Mar. 18.
Lamp. F. L. Garrison. 1,487,229; Mar. 18.
Lamp. W. B. Goddard. Des. 64,241; Mar. 18.
Lamp, Gas-filled electric. E. J. Hunt. 1,487,657; Mar. 18.
Lamp, Magneto flash. J. J. Wood. 1,487,502; Mar. 18.
Lamp, Ornamental. V. R. Will. Des. 64,275; Mar. 18.
Lamp, Portable. G. P. Robinson. Des. 64,265; Mar. 18.
Last-positioning device. H. R. Polleys. 1,487,178; Mar. 18.
Last, Shoe. J. Dominick. 1,487,545; Mar. 18.
Latch construction. R. O. Bulman. 1,487,313; Mar. 18.
Latch, Window-screen. W. H. Omler. 1,487,667; Mar. 18.
Lath, Plaster. C. R. Birdsey. 1,487,370; Mar. 18.
Lathe tool. F. O. Jaques, jr. 1,487,681; Mar. 18.
Lathes, Attachment for wood-turning. J. Chadek. 1,487,538; Mar. 18.
Laundry, Apparatus for marking. M. T. Southwick. 1,487,037; Mar. 18.
Laundry-pin releaser. J. Evans. 1,487,153; Mar. 18.
Lens diaphragm. M. G. Campau. 1,487,536; Mar. 18.
Lens-grinding lap. E. G. Robinson. 1,487,024; Mar. 18.
Lever. J. A. Bergren. 1,487,141; Mar. 18.
Lever construction. A. W. Rybeck. 1,487,183; Mar. 18.
Lever, Extension. W. A. Rideout. 1,487,604; Mar. 18.
Lever silencer, Control-. V. J. Harris. 1,487,380; Mar. 18.
Liability, Means for apportioning. J. D. Gill. 1,487,056; Mar. 18.
License holder and protector, Sportsman's. H. B. Avery and G. Rietveld. 1,486,850; Mar. 18.
Lifts, cranes, winches, and like apparatus for dealing with variable loads, Control device for electrically-driven. V. Breeze. 1,487,435; Mar. 18.
Lighting fixture. A. Cooper. 1,487,443; Mar. 18.
Lighting fixture. F. H. Robinson. 1,487,181; Mar. 18.
Lighting system. S. W. Everett. 1,487,549; Mar. 18.
Limb support. B. H. Kamp. 1,487,336; Mar. 18.
Liners, Double packer for. T. H. Gallagher. 1,487,007; Mar. 18.
Lip-stick holder. S. A. Jaroslawski-Floret. Des. 64,246–50; Mar. 18.
Liquid-cooling radiator. E. T. Curran. 1,487,148; Mar. 18.
Liquid dispensing and measuring device. F. H. Griffiths. 1,486,880; Mar. 18.
Liquid-feed system. B. R. Huntley. 1,487,462; Mar. 18.
Liquid-fuel burner. L. S. Chadwick. 1,487,206; Mar. 18.
Liquir or gaseous fuel burning furnace. O. L. M. Hoover. 1,487,241; Mar. 18.
Liquid-transmission system. H. C. Phillips. 1,487,390; Mar. 18.
Liquids, Automatic acting apparatus for measuring definite quantities of. H. Wydler. 1,487,304; Mar. 18.
Liquids of different specific gravities, Apparatus for automatically separating. J. E. Swendeman. 1,486,966; Mar. 18.
Loading apparatus. S. Hurwitz. 1,487,571; Mar. 18.
Load-supporting and shock-absorbing device, Variable. O. O. Nygaard. 1,487,177; Mar. 18.
Lock: *See*—
Automobile lock. Seah lock.
Combination lock. Vehicle door lock.
Permutation lock. Vehicle lock.
Refrigerator lock.
Lock. F. E. Best. 1,487,307; Mar. 18.
Lock. M. Golden. 1,487,328; Mar. 18.
Locomotive engines, Exhaust spreader for. J. V. Paul and C. A. Norton. 1,487,504; Mar. 18.
Loom bobbin holder. J. Epps. 1,487,512; Mar. 18.
Loom dobby. H. Hattey. 1,487,654; Mar. 18.
Loom temples, Thread-cutting attachment for. H. J. Hedler. 1,487,238; Mar. 18.
Looms, Lathe for ribbon. G. Liddorf. 1,487,172; Mar. 18.
Looms, Let-off motion for. L. L. Hawkins. 1,487,530; Mar. 18.
Looms, Shuttle-box tension-controlling mechanism for. C. H. Draper. 1,487,003; Mar. 18.
Looms, Thread parting mechanism for weft-replenishing. J. Northrop. 1,487,074; Mar. 18.
Lubricator: *See*—
Force-feed lubricator.
Lubricator. C. C. Farmer. 1,486,871; Mar. 18.
Lug strap. F. A. Jacobs. 1,486,899; Mar. 18.
Lunch box and portable table, Combined. C. I. Huddle. 1,487,569; Mar. 18.
Macaroni trimmer. M. E. Fontana. 1,487,824; Mar. 18.
Mail box. R. Cobel. 1,487,372; Mar. 18.
Mail-box bracket. T. Tollefson. 1,487,625; Mar. 18.
Manhole closure. E. B. Nichols and H. C. Brownlee. 1,487,518; Mar. 18.
Manure spreaders, Drive mechanism for. E. C. Smith. 1,486,930; Mar. 18.
Map, Route or guide. G. W. Shaw. 1,487,613; Mar. 18.
Masonry, Fixing blocks for. A. B. Feldmar. 1,487,063; Mar. 18.
Masonry, Means for grouting. J. F. O'Rourke. 1,487,854; Mar. 18.
Match pouch, Pocket. D. E. Burnett and A. J. Kemmel. 1,487,441; Mar. 18.
Measuring device, Fluid-flow-. E. Roucka. 1,487,402; Mar. 18.
Measuring materials in concrete construction, Apparatus for. H. D. Palmer and J. W. Brhel. 1,487,468; Mar. 18.
Medical appliance. J. M. Loré. 1,487,252; Mar. 18.
Memorandum case. F. W. Beckert. 1,487,433; Mar. 18.
Memorandum-pad holder. N. MacNicol. 1,487,586; Mar. 18.
Meter: *See*—
Fluid meter. Production meter.
Gas meter.
Milk cans, Embossing machine for. J. Nagy. 1,487,591; Mar. 18.
Milk strainer. L. H. Sublett and E. B. Peters. 1,487,490; Mar. 18.
Mill: *See*—
Rolling mill.

Milling machine, Simplified universal. R. T. Haselton. 1,487,329; Mar. 18.
Mining machine bit. N. K. Bowman. 1,487,196; Mar. 18.
Mining-machine bit. J. F. Dillon. 1,487,217; Mar. 18.
Mold: *See*—
Permanent mold. Rotary mold.
Molder's flask. M. M. Wagner. 1,486,997; Mar. 18.
Motor: *See*—
Current motor.
Motor-control system. H. D. James. 1,486,901; Mar. 18.
Motor controller. C. W. Yerger. 1,487,422; Mar. 18.
Motors, Controller for electric. H. P. Reed. 1,487,697; Mar. 18.
Mowing machine. W. S. Thomas. 1,487,622; Mar. 18.
Multiple drill. V. C. Blackman. 1,487,195; Mar. 18.
Musical instruments, Mouthpiece for. H. B. Henton. 1,487,566; Mar. 18.
Nest, Bird. W. Rohrbach. 1,487,268–9; Mar. 18.
Nitrogen by means of titanium and its transformation into industrial products, Fixation of. P. Andreu and R. Paquet. 1,487,521; Mar. 18.
Nitrogen from residual ammonia oxidation gases, Recovering. G. Fauser. 1,487,647; Mar. 18.
Nonskid brake for vehicles. J. H. Randall. 1,486,920; Mar. 18.
Noodles, macaroni, and spaghetti, Machine for making. N. D. Gigliotti. 1,487,378; Mar. 18.
Nose-block bracket. M. A. Hofft. 1,487,461; Mar. 18.
Nose guard for draft animals. F. A. Coughlin. 1,487,147; Mar. 18.
Notching machine, Ring-. R. B. Wasson. 1,487,411; Mar. 18.
Nut lock and bolt-stretch take-up means, Combined. P. T. Fiehler. 1,487,225; Mar. 18.
Oil burner. W. T. Barker. 1,487,139; Mar. 18.
Oil container. E. G. Thomas. 1,486,906; Mar. 18.
Oil heater. S. J. North and B. W. McClymont. 1,486,915; Mar. 18.
Oil-vapor baffle box. T. M. McKelvy. 1,487,585; Mar. 18.
Optical apparatus. W. P. Reaves. 1,487,473; Mar. 18.
Optical instrument. W. H. Brown. 1,487,011; Mar. 18.
Ores, Recovering values from nickel and cobalt-nickel. M. H. Caron. 1,487,145; Mar. 18.
Ores, Treatment of zinc-sulphide. E. A. Taylor and G. A. Keep. 1,487,285; Mar. 18.
Outlet box. J. J. Merrill. 1,487,117; Mar. 18.
Oven, Baker's. W. F. Petersen. 1,487,121; Mar. 18.
Oxidation process. A. Mittasch, E. Willfroth, and O. Balz. 1,487,020; Mar. 18.
Pack, Hot. W. H. McIntyre. 1,487,114; Mar. 18.
Package-severing device. B. F. Witherell. 1,487,130; Mar. 18.
Packing cases, Means for banding. G. Huguenin. 1,486,897; Mar. 18.
Pan: *See*—
Ash pan. Refrigerator drip pan.
Panel board. G. W. Berthold. 1,487,509; Mar. 18.
Panel boards, etc., Mounting for. V. F. Hafemeister. 1,487,457; Mar. 18.
Paper. R. L. Merwede. Des. 64,257; Mar. 18.
Paper. T. L. Steele. Des. 64,267–71; Mar. 18.
Paper bottle. J. Weinwright, jr. 1,487,629; Mar. 18.
Paper machines, Winding shaft for. C. A. Silvis. 1,487,279; Mar. 18.
Paving blocks, Machine for splitting or breaking. J. Petermann. 1,487,506; Mar. 18.
Pedal, Adjustable. J. S. Booth. 1,487,197; Mar. 18.
Pen and pencil case. F. Kurgan. 1,487,580; Mar. 18.
Pen, Lettering. W. J. Lilly. 1,486,973; Mar. 18.
Pennant and flag holder, Combination. W. L. Black. 1,487,006; Mar. 18.
Perambulators and other vehicles, Spring suspension for. J. Hampson. 1,487,459; Mar. 18.
Percolator and the like. W. O. Bates, jr. 1,486,943; Mar. 18.
Permanent mold. M. F. Hill. 1,487,101; Mar. 18.
Permutation lock. J. Pfeifer. 1,487,469; Mar. 18.
Petroleum content from petroleum-bearing sand or shale, Apparatus and method of extracting the. J. Coogan. 1,487,541; Mar. 18.
Phonograph. W. K. Gibbs. 1,486,958; Mar. 18.
Phonograph cabinet. E. H. Foley. 1,487,156; Mar. 18.
Phonograph or other sound producer or reproducers. I. J. Vetter. 1,487,299; Mar. 18.
Phonograph-record cleaner and needle holder, Combined. J. Abrahams. 1,487,131; Mar. 18.
Phonograph-record holder and album. C. C. Casey. 1,487,068; Mar. 18.
Phonograph reproducer. C. E. Brown. 1,487,371; Mar. 18.
Phonograph stop. B. B. Blood. 1,486,859; Mar. 18.
Phonographs, Expression device for. R. Head. 1,487,656; Mar. 18.
Photographic-printing machine. J. M. Welch. 1,487,191; Mar. 18.
Photoprinting machine. G. M. Dye and J. M. Welch. 1,486,867; Mar. 18.
Pianos, Mandolin attachment for player. O. Ista. 1,487,164; Mar. 18.
Picker motion. A. H. Landry. 1,487,581; Mar. 18.
Picking pods, Process and mechanism for. C. H. Plummer. 1,486,918; Mar. 18.
Pile fabric. J. Gowans. Des. 64,242–3; Mar. 18.
Pincushion. E. L. Marshall. Des. 64,256; Mar. 18.
Pipe-handling device, Clay-. G. W. Gang. 1,486,877; Mar. 18.
Pipe joint. W. Krause. 1,487,517; Mar. 18.
Pipe-repair clamp. S. M. Kass. 1,487,337; Mar. 18.
Pipes, Machine for compressing corrugated. B. J. Lindgren. 1,486,976; Mar. 18.
Piston ring. J. A. Barrier. 1,487,306; Mar. 18.
Piston ring. B. T. Walsh. 1,487,630; Mar. 18.
Pit, twisting, and stripper crane, Combined soaking-. M. Shutt. 1,487,032; Mar. 18.
Plane blade. W. H. Blackmer. 1,487,529; Mar. 18.
Plate or similar article. G. Hassalls. Des. 64,248; Mar. 18.
Plucking machine. G. Boesch. 1,487,645; Mar. 18.
Pole trailer. J. Morrison. 1,487,464; Mar. 18.
Policeman, Silent. J. A. Watts. 1,487,635; Mar. 18.
Polishing compound for cleaning and restoring the luster of varnish, enamel, and lacquer. R. G. Waring. 1,487,632; Mar. 18.
Polishing machines, Workholder for. S. Blickman. 1,487,506 Mar. 18.
Post parcel, bag, sack, and analogous sealing device. W. B. Smith. 1,487,672; Mar. 18.
Post, Rotary back-up. W. J. Miller. 1,487,588; Mar. 18.
Powder-dispensing box. J. V. Lobell. 1,486,978; Mar. 18.
Power plant, Hydraulic. R. Köchlin. 1,487,391; Mar. 18.
Power-transmitting mechanism. G. Deakin. 1,487,373; Mar. 18.
Press: *See*—
Punch press. Wet press.
Presser-foot-controlling device. F. F. Witkus. 1,487,417–2; Mar. 18.
Printing form. R. J. Dorion. 1,487,546; Mar. 18.
Printing-press tympan. G. W. Gould. 1,487,158; Mar. 18.
Printing presses, Roller bearer for. D. J. Deegan. 1,487,444; Mar. 18.
Production meter. H. H. Heller. 1,487,516; Mar. 18.
Pulley. A Garland. 1,487,327; Mar. 18.
Pulley and the like. L. R. Tuten. 1,487,627; Mar. 18.
Pulp digesters, Strainer for. C. H. Alen. 1,487,004; Mar. 18.
Pulverulent materials, Feeder and packer for. E. A. Marsh. 1,487,683; Mar. 18.
Pump-cylinder protector. L. M. Heflin. 1,487,061; Mar. 18.
Pump, Oil. C. W. Clements. 1,487,539; Mar. 18.
Pump, Oil-well. T. J. Barger. 1,487,431; Mar. 18.
Pumps, Packing means for rotary. E. Hill. 1,487,567; Mar. 18.
Pumping apparatus, Lubricating-oil-. L. Friedmann. 1,487,650; Mar. 18.
Punch. J. B. Howle. 1,487,242; Mar. 18.
Punch, Multiple. E. J. Dreis. 1,487,219; Mar. 18.
Punch press. J. Heisel. 1,486,964; Mar. 18.
Putty molding and trimming machine, A. Hughes. 1,487,162; Mar. 18.
Rack and bed, Combination. R. L. Adams. 1,487,064; Mar. 18.
Radiator, Liquid-cooling. E. T. Curran. 1,487,148; Mar. 18.
Radiodynamic duplex system. J. H. Hammond, jr. 1,486,885; Mar. 18.
Radio receiving sets, Transformer for. R. M. Dinsmore. 1,487,544; Mar. 18.
Radio receiving system. H. H. Beverage. 1,487,306; Mar. 18.
Radio signaling system. E. W. Kellogg. 1,487,339; Mar. 18.
Rail drill. C. F. Stoltz and A. M. Gilbert. 1,486,933; Mar. 18.
Rail-securing means. J. S. Bean. 1,487,432; Mar. 18.
Railway-crossing signal. C. E. Fry. 1,487,227; Mar. 18.
Railway crossings, Safety device for. L. T. Douvier. 1,487,511; Mar. 18.
Railways, Weed cutter for. B. H. Lammons. 1,487,246; Mar. 18.
Rake: *See*—
Brush rake.
Ratchet wrench. R. Reiss. 1,486,921; Mar. 18.
Razor-stropping device. F. A. Fuller. 1,487,576; Mar. 18.
Receptacle, Combination. W. S. Jordan. 1,487,574; Mar. 18.
Refrigerator drip pan. G. F. Irons. 1,487,065; Mar. 18.
Refrigerator lock. A. Rubis. 1,487,478; Mar. 18.
Regulating system. H. S. Baker. 1,487,504; Mar. 18.
Regulating system. W. A. Knoop. 1,487,109; Mar. 18.
Regulating system. L. W. Thompson. 1,487,492; Mar. 18.
Regulator: *See*—
Speed regulator. Voltage regulator.
Thermometric regulator. Window regulator.
Retainer, Adjustable. H. E. Philips. 1,487,470; Mar. 18.
Ribbon. L. Platt. Des. 64,263; Mar. 18.
Rim, Demountable. G. Sifkovits. 1,487,404; Mar. 18.
Ring: *See*—
Collector ring. Piston ring.
Ring. M. L. Bowden. Des. 64,260; Mar. 18.
Rivet-setting machine. E. B. Stimpson. 1,487,365; Mar. 18.
Road-building machine. L. A. Gardiner. 1,487,464; Mar. 18.
Robberies, Device to prevent. J. Mittnacht, jr. 1,487,397; Mar. 18.
Rock and like drill. J. Streda. 1,487,489; Mar. 18.
Rock drills, Oiling device for. L. C. Bayles. 1,487,005; Mar. 18.
Rod: *See*—
Curtain rod.

Rolling mill. F. C. Biggert, jr. 1,487,007; Mar. 18.
Roof connection. C. L. Holt. 1,487,161; Mar. 18.
Roofing. F. J. and G. M. Kromenaker. 1,486,970; Mar. 18.
Rotary mold. D. S. de Lavaud. 1,486,953; Mar. 18.
Rotary ventilator. J. Novy. 1,486,916; Mar. 18.
Roving frame. G. F. Albrecht and H. Brook. 1,487,685; Mar. 18.
Rubber goods, Apparatus for use in the manufacture of. T. Sloper. 1,487,035–6; Mar. 18.
Rubbing machine, Portable. R. A. Moore. 1,487,398; Mar. 18.
Rug. L. R. Patterson. Des. 64,286; Mar. 18.
Rug builder. H. J. De Forest. 1,487,318; Mar. 18.
Salts from saline liquors, Recovering various. G. B. Burnham. 1,487,046; Mar. 18.
Sand-lifting apparatus. B. S. Snow. 1,487,485; Mar. 18.
Sash lock. F. C. Gorham. 1,487,558; Mar. 18.
Saw blades, Machine for milling tooth sockets in. J. H. Miner and T. C. Mustin. 1,487,589; Mar. 18.
Saw clamp or vise. B. F. Cook. 1,487,542; Mar. 18.
Saw cylinder. A. S. MacKenzie. 1,487,346; Mar. 18.
Saw-filing machine. W. M. Baldwin. 1,486,951; Mar. 18.
Saw jointer. A. Hanson. 1,487,679; Mar. 18.
Sawmill apparatus and method. L. E. Foreman. 1,487,649; Mar. 18.
Scaffold, Window. H. C. Highmiller. 1,487,100; Mar. 18.
Scale, Automatic computing. E. G. Thomas. 1,486,995; Mar. 18.
Scale indicator, Automatic. A. Parsons. 1,487,120; Mar. 18.
Scale, Weighing. H. S. Bergen. 1,486,944; Mar. 18.
Scale, Weighing. E. C. Pool. 1,486,968; Mar. 18.
Scales, Reading appliance for. H. T. Goss. 1,487,514; Mar. 18.
Scales, Signal for weighing. E. G. Thomas. 1,486,994; Mar. 18.
Screen: *See*—
Collision screen.
Screen. H. Jaeger. 1,487,335; Mar. 18.
Scrubbing device. J. Thomas. 1,487,621; Mar. 18.
Sealing means. W. M. Brooks. 1,486,947; Mar. 18.
Sealing tool. T. E. Dingwell. 1,487,543; Mar. 18.
Separator: *See*—
Egg separator. Heel-blank separator.
Separator. W. C. Coleman. 1,487,089; Mar. 18.
Sewing machine, Buttonhole-. J. Fossa. 1,487,326; Mar. 18.
Sewing-machine shuttle. E. D. Hume. 1,487,064; Mar. 18.
Sewing-machine shuttle, H. G. Johnson. 1,487,066; Mar. 18.
Shaft, Flexible. J. K. Olsen. 1,487,519; Mar. 18.
Sharpening machines, Die for drill-. A. A. Hestnell. 1,487,160; Mar. 18.
Sheet-metal-bending machine. B. J. Lindgren. 1,486,975; Mar. 18.
Sheet severing and fastening device, Combined. G. B. Stillwagon. 1,487,079; Mar. 18.
Shield, Expansion. C. C. Tomkinson. 1,487,292; Mar. 18.
Shield with interlocking cap, Expansion. C. C. Tomkinson. 1,487,291; Mar. 18.
Shingles, Machine for cutting composition. S. M. Langston. 1,487,661–3; Mar. 18.
Shock absorber. J. J. Bambach. 1,487,524; Mar. 18.
Shock absorber. F. B. Poindexter. 1,487,597; Mar. 18.
Shoe. A. J. Bonthillier. 1,487,310; Mar. 18.
Shoe. W. H. Cary. Re15,794; Mar. 18.
Shoe fastener. A. E. Mongelluzzo. 1,487,349; Mar. 18.
Shoe-lace tip. W. F. W. Pulver. 1,487,602; Mar. 18.
Shoe-sole protector. J. W. King. 1,487,390; Mar. 18.
Shutters, Mechanism for operating. C. A. Husser. 1,487,331; Mar. 18.
Sifter, Flour. R. N. Dickey. 1,487,216; Mar. 18.
Sign holder. J. C. Robeson. 1,487,606; Mar. 18.
Sign with locking device, Changeable. L. E. Williams. 1,487,500; Mar. 18.
Signal: *See*—
Railway-crossing signal. Train-control signal.
Signaling, Calling arrangement for. H. Chireix. 1,487,012; Mar. 18.
Signaling conductor, Continuously-loaded. O. E. Buckley. 1,486,863; Mar. 18.
Signaling system. C. E. Beach. 1,487,194; Mar. 18.
Signaling system. W. C. White. 1,487,301; Mar. 18.
Silt accumulator. G. W. Rehfeld. 1,487,668; Mar. 18.
Siren, Electroradiant. J. H. Hammond, jr. 1,486,887; Mar. 18.
Skid placer, Automatic. C. D. Oland and G. Main. 1,487,467; Mar. 18.
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Soldering iron. J. A. Ruppel. 1,486,924; Mar. 18.
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Sound-recording and sound-reproducing instruments, Diaphragm for. W. E. Clifton. 1,487,013; Mar. 18.
Sound-reproducing machines, Stop for. O. F. Stuppan. 1,487,127; Mar. 18.
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Spring forming and tempering machine. J. A. Bowers and E. J. Baumgarten. 1,487,530; Mar. 18.
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Spring-retaining device. R. E. Woltkamp. 1,487,082; Mar. 18.
Spring shackle. D. F. Asbury. 1,487,427; Mar. 18.
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Station indicator. J. W. Wallin. 1,487,409; Mar. 18.
Steam boiler. C. G. Hawley. 1,486,888; Mar. 18.
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Steering wheel, Tiltable. H. S. Williams. 1,487,638; Mar. 18.
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Suspenders. J. Alexander. 1,487,211; Mar. 18.
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Telephone-exchange system. G. A. E. Lundell. 1,487,112; Mar. 18.
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Telephone system, Measured-service party-line. E. Jacobsen. 1,486,900; Mar. 18.
Temper-screw clamp. J. F. Harrison. 1,487,687; Mar. 18.
Tension mechanism for textile and other machines. A. E. Rhoades. Re15,796; Mar. 18.
Test indicators, Adjustable shank for. H. A. Lowe. 1,486,908; Mar. 18.
Testing system. J. B. Retallack. 1,487,267; Mar. 18.
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Thermal responsive switch. C. I. Hall. 1,487,515; Mar. 18.
Thermometric regulator, Automatic. R. Maclaren. 1,487,072; Mar. 18.
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Time-controlled switch mechanism. O. Schwengel. 1,487,276; Mar. 18.
Time-limit device. G. A. Burnham. 1,487,439; Mar. 18.
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Tire chains, Lock for automobile. J. R. W. Menger and W. L. Gass. 1,487,258; Mar. 18.
Tire chains, Snap hook for. E. Stolpe. 1,486,993; Mar. 18.
Tire core, Collapsible. A. H. Harris. 1,486,959; Mar. 18.
Tire flap, Pneumatic. L. Oppenheimer. 1,487,261; Mar. 18.
Tire, Pneumatic. A. A. Holle. 1,487,384; Mar. 18.
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Toothbrush container. A. E. England. 1,486,957; Mar. 18.
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Toy track. R. H. Schubert. 1,487,611; Mar. 18.
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Tracks, Switch for overhead two-rail. N. Krumpp. 1,487,244; Mar. 18.
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Tractor hitch, Adjustable. H. T. Tebay. 1,487,188; Mar. 18.
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Trailer brake. P. T. Regan. 1,487,266; Mar. 18.
Train-actuated signal for road and street crossings. S. Pavillard. 1,487,558; Mar. 18.
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Transmission mechanism for feeders connected in a gang. E. R. Draver. Re. 15,797; Mar. 18.
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  Animal trap.
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Traveling case. J. E. Bemis. 1,486,957; Mar. 18.
Tray, penrack, and inkwell, Combination. J. A. Straub. Des. 64,272; Mar. 18.
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Trimming, Bias. J. Baer. Des. 64,236; Mar. 18.
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Truck caster. R. A. Endebrock. 1,487,450; Mar. 18.
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Trunk lock. E. B. Stone. Des. 64,298; Mar. 18.
Tube and brush holder, Paste. R. K. Blackshear. 1,487,085; Mar. 18.
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Valve for internal-combustion engines, Rotary. O. L. Dugger. 1,486,953; Mar. 18.
Valve, Gas. H. Clausing. 1,487,207; Mar. 18.
Valve, Gate. J. H. Preese. 1,487,553; Mar. 18.
Valve movements in pressure apparatus, Device for controlling. I. H. Spencer. 1,487,038; Mar. 18.
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Valve, Shower-bath. W. Powell. 1,487,600; Mar. 18.
Valve silencer. W. M. Tulley. 1,487,626; Mar. 18.
Valve-stem trimmer. J. Lillyquist. 1,487,110; Mar. 18.
Valve-surfacing composition. H. H. Theis. 1,487,677; Mar. 18.
Vehicle brake. C. D. Stewart. 1,486,932; Mar. 18.
Vehicle door lock. W. R. Wiley. 1,486,998; Mar. 18.
Vehicle jack and tire tool, Combined. L. J. Brune, sr. 1,487,437; Mar. 18.
Vehicle lock, Motor-. E. Siegel. 1,487,403; Mar. 18.
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Vehicle thefts and recovery of stolen vehicles, Means for preventing. B. F. Tozier. 1,487,041; Mar. 18.
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Vehicles, Pedal latch for motor. H. Hoy. 1,487,385; Mar. 18.
Vehicles, Power-take-off mechanism for motor. H. S. Dickinson. 1,487,445; Mar. 18.
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Vibrations, Detecting the direction of underwater. G. F. Atwood. 1,487,138; Mar. 18.
Voltage-regulating system. C. A. Boddie. 1,486,860; Mar. 18.
Voltage regulator. C. A. Boddie. 1,486,861; Mar. 18.
Vulcanizer connection. C. D. Smith. 1,487,606; Mar. 18.
Wagon brake. W. Z. Willis. 1,487,639; Mar. 18.
Walls, etc., Decorating. M. Suhr. 1,487,039; Mar. 18.
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Washing machines, Driving gear for rotary. C. Kingston and W. McChesney. 1,487,660; Mar. 18.
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Weatherproof coating medium. R. Plönnis. 1,487,471; Mar. 18.
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Welding method and apparatus. F. S. Youtsey, E. C. Walker, and A. S. Moses. 1,487,043; Mar. 18.
Well-drilling apparatus, Crown block for. W. B. Rowland. 1,487,606; Mar. 18.
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  Steering wheel.
Wheel. W. F. Franz. 1,487,552; Mar. 18.
Wheel. A. O. Hubbard. 1,486,896; Mar. 18.
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Wrapping machine. J. A. Lopez. 1,487,019; Mar. 18.
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ISSUED MARCH 18, 1924.

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	251: 1,487,178		76: 1,487,479		124: 1,487,370		5: 1,487,209		1,487,938		40: 1,486,874				
	252: 1,487,344		91: 1,487,005	73—	37: 1,487,042		1,487,640		122: 1,487,394		54.5: 1,487,188				
16—	21: 1,487,450		118: 1,487,091		107: 1,487,356		81: 1,487,099		169: 1,487,009	155—	123: 1,487,495				
	42: 1,487,678		123: 1,487,397		1,487,402		87: 1,487,037		190: 1,486,984		154: 1,487,008				
	121: 1,487,365		140: 1,487,051	74—	7: 1,486,919		90: 1,487,350	124—	2: 1,486,848	156—	14: 1,487,325				
	125: 1,487,264		148: 1,486,978		1,487,063	94—	44: 1,487,454	125—	28: 1,487,396		19: 1,487,017				
	140: 1,487,081	45—	11: 1,487,497		1,487,409	95—	64: 1,487,536	126—	29: 1,486,978	157—	1: 1,487,648				
	189: 1,487,233	46—	4: 1,487,658		1,487,803		73: 1,486,867		33: 1,487,474	158—	1: 1,487,241				
	213: 1,487,227		35: 1,487,102		1,487,696		1,487,191		39: 1,486,961		4: 1,487,669				
18—	2: 1,487,035		46: 1,487,252	14—	1,487,140	97—	5: 1,487,208		1,487,320		26: 1,486,924				
	1,487,055		61: 1,487,137		1,487,180		73: 1,487,412		41: 1,487,461		27: 1,487,350				
19—	97: 1,487,348		69: 1,487,631		1,487,660	98—	3: 1,486,916		95: 1,486,915		27.4: 1,487,280				
20—	1.01: 1,487,307	47—	40: 1,487,231	16—	1,486,940		22: 1,487,507		99: 1,487,612		36: 1,487,129				
	2: 1,487,353		43: 1,487,326	21—	1,486,980		40: 1,487,080		167: 1,487,455		75: 1,487,130				
	30: 1,487,278	48—	57: 1,487,104	23—	1,487,283	99—	8: 1,487,109		168: 1,487,528	159—	1: 1,487,071				
	31: 1,487,045		180: 1,487,590		1,487,638		1,487,170		229: 1,487,377	161—	1: 1,487,483				
	50: 1,487,496	49—	2: 1,486,940	39—	1,487,090	100—	31: 1,486,897		243: 1,487,400		10: 1,487,549				
	91: 1,487,255		1,487,288		1,487,141	101—	7: 1,487,501		263: 1,487,114	162—	4: 1,487,594				
22—	60: 1,486,952		54: 1,486,902		1,487,183		116: 1,487,622	123—	76: 1,487,628	164—	68: 1,487,661				
	65: 1,486,951	51—	100: 1,487,142		1,487,230		289: 1,487,444		276: 1,487,262		1,487,662				
	1,486,953		153: 1,487,376		1,487,504		293: 1,487,548		291: 1,487,154		1,487,663				
	95: 1,487,082		170: 1,487,308	50:	1,486,923		418: 1,487,550	126—	16.7: 1,487,326		90: 1,487,219				
	98: 1,486,907		192: 1,487,228	53:	1,487,445	103—	11: 1,487,080		20: 1,487,058		109: 1,487,242				
	129: 1,487,101		208: 1,487,488	59:	1,487,447		179: 1,487,481		23: 1,486,926	166—	11: 1,487,097				
	208: 1,486,949		209: 1,487,024	81:	1,487,009		202: 1,487,081	130—	17: 1,487,303	167—	3: 1,487,286				
23—	1: 1,487,205		257: 1,487,505		1,487,157		285: 1,487,462		30: 1,486,918	170—	90: 1,486,917				
	10: 1,487,047		264: 1,487,401		1,487,205	104—	64: 1,487,274		32: 1,487,278		103: 1,487,685				
	13: 1,486,981		278: R. 15,795	99:	1,487,072		102: 1,487,344	131—	5: 1,487,018	171—	97: 1,487,032				
	1,487,151	52—	3: 1,486,943		1,487,263		149: 1,487,315		9: 1,487,070		225: 1,486,880				
	22: 1,487,046	54—	67: 1,487,555	109:	1,487,022		1,487,320		10: 1,487,407		229: 1,486,850				
24—	19: 1,487,337		80: 1,487,147	109:	1,487,306		257: 1,487,467		37: 1,487,028		1,486,861				
	30: 1,487,138	55—	7: 1,486,956		1,487,630		279: 1,487,246		38: 1,487,029		1,487,152				
	125: 1,487,687		9: 1,487,542	119:	1,487,531	105—	81: 1,486,862		51: R. 15,795		1,487,504				
	138: 1,487,083		77: 1,487,379		1,487,532		120: 1,486,908		59: 1,487,130		1,487,549				
	143: 1,487,602		83: 1,487,388	75—	17: 1,487,132		235: 1,487,304	132—	13: 1,487,374		242: 1,487,614				
	179: 1,487,577	56—	1,487,412		1,487,133		239: 1,487,208		27: 1,487,287		252: 1,487,221				
	194: 1,487,395	58—	8: 1,487,472		1,487,134		268: 1,487,302		41: 1,487,636		312: 1,487,108				
	207: 1,487,349		58: 1,487,094		1,487,135	106—	24: 1,487,057		1,487,637		322: 1,486,888				
	228: 1,487,337		273: 1,487,622	18:	1,487,285	107—	14: 1,487,328		1,487,648	172—	130: 1,487,286				
	243: 1,487,250		357: 1,487,559	66:	1,487,145		1,487,376		90: 1,487,076		152: 1,487,270				
25—	40: 1,486,877	58—	53: 1,487,308	76—	35: 1,486,851		21: 1,487,324	134—	24: 1,487,632		179: 1,486,882				
	131: 1,487,220		116: 1,487,424		68: 1,487,679		51: 1,487,226		45: 1,487,471		1,486,901				
	157: 1,487,212	60—	28: 1,487,664		78: 1,487,542		58: 1,487,131		54: 1,487,677		1,487,422				
26—	4: 1,486,858		53: 1,487,309		95: 1,487,160	108—	5.6: 1,487,252	137—	21: 1,487,423		1,487,630				
	35: R. 15,795	61—	3: 1,487,088	77—	8: 1,486,923		8: 1,486,970		53: 1,486,935		1,487,697				
28—	84: 1,487,202		19: 1,487,301		94: 1,487,195		58: 1,487,271		58: 1,487,280	238:	1,486,899				
	88.2: 1,487,592		39: 1,487,021		55: 1,487,080	110—	6: 1,487,491		104: 1,487,149	274:	1,486,881				
	98: 1,487,230	62—	19: 1,486,949		63: 1,486,969		18: 1,487,551		1,487,677	251:	1,486,929				
	1,487,661		112: 1,487,547	79—	34: 1,486,999		31: 1,487,297		139: 1,487,054	283:	1,487,435				
	103: 1,487,110	64—	26: 1,487,322	80—	54: 1,487,007		40: 1,486,957		1,487,600	293:	1,487,492				
29—	1: 1,487,199		30: 1,487,519	81—	63: 1,486,921		1,487,527	129—	10: 1,487,442	173—	239: 1,487,630				
	2: 1,487,537		52: 1,487,488		98: 1,486,951		47: 1,487,078		23: 1,487,172		1,487,683				
	10: 1,487,655		62: 1,487,186	177:	1,487,295		57: 1,487,148		74: 1,487,644	175—	30: 1,486,873				
32—	6: 1,487,302	65—	13: 1,486,987	83—	2: 1,487,411		96: 1,487,481		109: 1,487,552		183: 1,487,267				
33—	30: 1,487,044	66—	12: 1,487,015	85—	10: 1,486,985		97: 1,486,894		182: 1,487,551		1,487,615				
	46: 1,487,288		1,487,016		44: R. 15,797		102: 1,487,501		153: 1,486,899		284: 1,487,294				
	172: 1,487,119	67—	68: 1,487,399		1,487,058	113—	24: 1,487,418		186: 1,487,668		300: 1,487,599				
	197: 1,487,679		116: 1,487,396		60: 1,487,216		80: 1,487,516		251: 1,487,613		338: 1,486,898				

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185— 1: 1,487,179
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191— 80: 1,487,311
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128: 1,487,284
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34: 1,487,326
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200— 30: 1,487,030
31: 1,487,314
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1,487,345
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106: 1,487,425
122: 1,487,515
127: 1,486,960
130: 1,487,040
141: 1,487,072
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204— 1: 1,487,174
3: 1,486,900
17: 1,487,111
1,487,125
29: 1,487,109
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1,487,235
53: 1,487,423
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57: 1,486,864
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams Cone Co., Inc., The, Bridgeport, Conn. Ice-cream cones. 181,800; Mar. 25; Serial No. 183,870; published Jan. 8, 1924.

Adams, William D., Gadsden, Ala. Nonalcoholic, maltless beverage. 181,565; Mar. 25; Serial No. 187,655; published Jan. 1, 1924.

Adler, Louis, New York, N. Y. Ladies' dresses. 181,836; Mar. 25.

Advance Battery Mfg. Co., Louisville, Ky. Dry and storage batteries. 181,675; Mar. 25; Serial No. 177,463; published Dec. 25, 1923.

Ajax Rubber Company, Inc., Millbrook, N. Y. Inner tubes for tires. 181,656; Mar. 25; Serial No. 188,396; published Jan. 1, 1924.

Allied Grocers, Inc., The, New York, N. Y. Title of a monthly publication. 181,751; Mar. 25; Serial No. 187,278; published Jan. 8, 1924.

All-in-One Company. (See Zarbaugh, Lyman.)

American Engineering Company, Philadelphia, Pa. Hoists. 181,750; Mar. 25; Serial No. 187,279; published Jan. 1, 1924.

American Envelope Co., The, West Carrollton, Ohio. Mailing envelopes. 181,830; Mar. 25.

American Nickeloid Company, Peru, Ill. Brass-plated zinc. 181,838; Mar. 25.

American Trade Publishing Co., New York, N. Y. Weekly magazine. 181,576; Mar. 25; Serial No. 187,841; published Jan. 8, 1924.

Arabol M'f'g Co., The, New York, N. Y. Adhesives, sizings. 181,634; Mar. 25; Serial No. 188,103; published Jan. 8, 1924.

Art Lamp Mfg. Company, The, Chicago, Ill. Electric lamps. 181,885; Mar. 25.

Atwood, F. A., Inc., New Haven, Conn. Peanut-butter sandwiches. 181,796; Mar. 25; Serial No. 183,516; published Jan. 8, 1924.

Aunt Betty's Products Co., Los Angeles, Calif. Marmalades, honey, table sirup, etc. 181,738; Mar. 25; Serial No. 186,864; published Jan. 8, 1924.

Autorobe Trunk Co. (See Seward Trunk and Bag Company.)

Bafaline Laboratories, Inc., The, Manchester, N. H. Lotion for mouth and throat. 181,573; Mar. 25; Serial No. 187,788; published Jan. 1, 1924.

Balacaier Knitting Mills, New York, N. Y. Knitted caps, sweaters, gloves, hosiery, and scarfs. 181,689; Mar. 25; Serial No. 181,667; published Jan. 1, 1924.

Baltimore Water Paint Company. (See Swartz, Milton D.)

Barron, Arnold M., doing business as Ferris Radio Research Laboratory, Boston, Mass. Radiodetectors. 181,699; Mar. 25; Serial No. 185,358; published Dec. 18, 1923.

Barton, H. H., & Son Co., Inc., Philadelphia, Pa. Abrasive paper and cloth. 181,554; Mar. 25; Serial No. 187,451; published Jan. 1, 1924.

Barton, H. H., and Son Co., Inc., Philadelphia, Pa. Garnet polishing paper, emery cloth, etc. 181,757; Mar. 25; Serial No. 187,193; published Jan. 1, 1924.

Bauman-Massa Jewelry Co., St. Louis, Mo. Children's jewelry. 181,785; Mar. 25; Serial No. 186,267; published Jan. 1, 1924.

Baxter, William E., Louisville, Ky. Cooking and heating stoves and ranges and portable stoves. 181,880; Mar. 25.

Becker, Gustav L., doing business as Becker Products Co., Ogden, Utah. Nonalcoholic cereal beverages. 181,569; Mar. 25; Serial No. 187,708; published Jan. 8, 1924.

Becker, Otto C., doing business as The Carlbeck Manufacturing Company, Baltimore, Md. Stove polish and stove enamel. 181,766; Mar. 25; Serial No. 187,080; published Jan. 1, 1924.

Behlen, H., & Bro., New York, N. Y. Bronze and aluminum powders, lacquers, dry colors, etc. 181,696; Mar. 25; Serial No. 185,284; published Jan. 8, 1924.

Bell Manufacturing Company, San Antonio, Tex. Dresses, middy blouses, rompers, aprons, etc. 181,721; Mar. 25; Serial No. 185,950; published Jan. 1, 1924.

Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical lighting-fixture clusters. 181,770; Mar. 25; Serial No. 186,583; published Dec. 25, 1923.

Bennett-Hubbard Candy Co., Chattanooga, Tenn. Candy. 181,693; Mar. 25; Serial No. 184,634; published Jan. 8, 1924.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Shirts. 181,674; Mar. 25; Serial No. 176,248; published Jan. 15, 1924.

Bertin Manufacturing Company, Westwood, N. J. Hand cream. 181,641; Mar. 25; Serial No. 188,229; published Jan. 1, 1924.

Betts Electric & Manufacturing Corporation, New York, N. Y. Lamp sockets. 181,883; Mar. 25.

Black Salve Co., The, Wheeling, W. Va. Salve. 181,873; Mar. 25.

Black and White Milling Company, East St. Louis, Ill. Corn meal, grits, and corn flour. 181,780; Mar. 25; Serial No. 180,411; published Jan. 1, 1924.

Blue Diamond Materials Company, Inc., Los Angeles, Calif. Hard wall plaster, lime, etc. 181,671; Mar. 25; Serial No. 178,809; published Jan. 8, 1924.

Blue Valley Creamery Co., Chicago, Ill. Butter. 181,835; Mar. 25.

Blumenthal, Jacob, doing business as J. Blumenthal & Co., New York, N. Y. Ladies' silk hosiery. 181,617; Mar. 25; Serial No. 169,276; published Feb. 13, 1923.

Bond, Philomene, Boston, Mass. Medicine for cancer, ulcer, blindness, dry throat, catarrh, etc. 181,765; Mar. 25; Serial No. 181,085; published Jan. 8, 1924.

Boyce, Wheeler & Boyce, Inc., New York, N. Y. Sweaters and knit coats. 181,733; Mar. 25; Serial No. 186,824; published Jan. 8, 1924.

Boyce, Wheeler & Boyce, Inc., New York, N. Y. Underwear. 181,734; Mar. 25; Serial No. 186,825; published Jan. 8, 1924.

Boyle, John D., New York, N. Y. Toilet powder applied to the body. 181,621; Mar. 25; Serial No. 168,240; published Jan. 8, 1924.

Bridgetts & Co., New York, N. Y. Codfish. 181,560; Mar. 25; Serial No. 187,505; published Jan. 8, 1924.

Brown, Thomas H., doing business as Thos. E. Brown & Sons, Philadelphia, Pa. Hosiery. 181,672; Mar. 25; Serial No. 175,978; published Nov. 27, 1923.

Brown, Thos. E., & Sons. (See Brown, Thomas H.)

Buckley, John, Logan, Utah. Confection. 181,600; Mar. 25; Serial No. 162,376; published Jan. 1, 1924.

Buonocore, Louis, Garfield, N. J. Edible mixture of nuts and butter. 181,859; Mar. 25.

Byron, Fred, San Francisco, Calif. Ready-mixed paints, varnishes, paint oils, and putty. 181,801; Mar. 25; Serial No. 183,905; published Dec. 4, 1923.

California Glass & Paint Co., Los Angeles, Calif. Beveled plate glass, tile and sheet prism glass, rough glass, etc. 181,595; Mar. 25; Serial No. 164,496; published Jan. 8, 1924.

California Medicinal Co. (See Val, James L.)

California Preserving Co., Los Angeles, Calif. Canned fruits and vegetables, jams, jellies, etc. 181,876; Mar. 25.

Camel Dry Storage Battery Co., Dallas, Tex. Storage batteries. 181,594; Mar. 25; Serial No. 164,694; published June 26, 1923.

Cameron and Company, Inc., Napa, Calif. Aprons. 181,574; Mar. 25; Serial No. 187,798; published Jan. 1, 1924.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Canned vegetables. 181,610; Mar. 25; Serial No. 172,369; published Dec. 11, 1923.

Candy-Toy Company of America, Harrisburg, Pa. Candy toys. 181,608; Mar. 25; Serial No. 174,689; published Jan. 8, 1924.

Canute Co., The, Milwaukee, Wis. Hair dye. 181,779; Mar. 25; Serial No. 186,412; published Jan. 1, 1924.

Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Preparation for miners' consumption. 181,587; Mar. 25; Serial No. 166,875; published Jan. 1, 1924.

Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Preparation for the treatment of la grippe, influenza, and colds. 181,589; Mar. 25; Serial No. 166,734; published Jan. 1, 1924.

Caples, Frank S., doing business as F. S. Caples Laboratories, Joplin, Mo. Bowel and system tonic. 181,592; Mar. 25; Serial No. 166,502; published Jan. 1, 1924.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Liquid compounds for the prevention of freezing and boiling of water in radiators in connection with internal-combustion engines. 181,657; Mar. 25; Serial No. 188,401; published Jan. 8, 1924.

Carlbeck Manufacturing Company, The. (See Becker, Otto C.)

Cartozian Brothers, Incorporated, Portland, Oreg. Oriental rugs. 181,820; Mar. 25; Serial No. 166,741; published Jan. 8, 1924.

Castelberg National Jewelry Company, Inc., The, Baltimore, Md. Watch movements. 181,882; Mar. 25.

Castelberg National Jewelry Company, Inc., Baltimore, Md. Watch movements. 181,890; Mar. 25.

Castelberg National Jewelry Company, Inc., Baltimore, Md. Watch movements. 181,892; Mar. 25.

Central Commercial Company, Chicago, Ill. Silicate of soda and sal soda. 181,735; Mar. 25; Serial No. 186,826; published Jan. 8, 1924.

Cheramy, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 181,678; Mar. 25; Serial No. 185,564; published Jan. 8, 1924.

Cheramy, Inc., New York, N. Y. Perfumes, toilet waters, face powders, etc. 181,739; Mar. 25; Serial No. 186,872; published Jan. 8, 1924.
Chocolate Sponge Co. Inc., The. (See Greenfield's, E., Sons, assignor.)
Clark Truetractor Company, Buchanan, Mich. Lifting trucks. 181,834; Mar. 25.
Clemmer, Geo B., doing business as Master Piston Co., Baltimore, Md. Pistons. 181,877; Mar. 25.
Colgate & Company, Jersey City, N. J. Liquid and powdered perfumes. 181,822; Mar. 25; Serial No. 186,775; published Jan. 8, 1924.
Collins Mfg. Co., Holyoke, Mass. Bond writing and printing paper. 181,861; Mar. 25.
Colorado Milling & Elevator Co., The, Denver, also doing business as The Loveland Flour Mills, Loveland, Colo. Wheat flour. 181,764; Mar. 25; Serial No. 187,004; published Jan. 1, 1924.
Columbia Tire and Rubber Company, The, Mansfield, Ohio. Inner tubes, pneumatic, cord, and fabric tires. 181,736; Mar. 25; Serial No. 186,827; published Jan. 1, 1924.
Combination Remedy Company. (See Reese, Alonzo S.)
Cotton, Edward O., doing business as Cotton Drug Co., Incorporated, Goldsboro, N. C. Preparation for the treatment of rheumatism. 181,691; Mar. 25; Serial No. 181,384; published Jan. 1, 1924.
Crandall Packing Company, Palmyra, N. Y. Steam, water, gas, air, and ammonia packing. 181,800; Mar. 25; Serial No. 186,631; published Jan. 1, 1924.
Crescent Oil Company, Indianapolis, Ind. Cutting-tool-lubricating oil. 181,708; Mar. 25; Serial No. 188,988; published Jan. 8, 1924.
Cudahy Packing Company, Chicago, Ill., and Omaha, Nebr. Soap in shredded form. 181,852; Mar. 25.
Curtis, David, doing business as De-Ce-Products Co. of New York, New York, N. Y. Local anæsthetic. 181,821; Mar. 25; Serial No. 186,742; published Jan. 8, 1924.
Davis, Howard C., doing business as The Sanco Co., Canton, Ohio. Water-softening material. 181,823; Mar. 25; Serial No. 186,777; published Jan. 8, 1924.
De-Ce-Products Co. of New York. (See Curtis, David.)
Dennison Manufacturing Co., Framingham, Mass. Gummed paper. 181,832; Mar. 25.
De Sanctis Carait, Michael, New York, N. Y. Monthly publication. 181,697; Mar. 25; Serial No. 188,150; published Jan. 8, 1924.
De Toledo, Bernardo, Valencia, Spain, assignor to L. D. Lopez, New Orleans, La. Remedy for phthisis, chloroanæmia, and scrofula. 24,958; renewed July 3, 1924.
Dickey Manufacturing Company, Toledo, Ohio. Tents. 181,806; Mar. 25; Serial No. 184,126; published Jan. 8, 1924.
Dickey Manufacturing Company, Toledo, Ohio. Awnings, tents, tarpaulins, etc. 181,839; Mar. 25.
Dickinson, Paul, Incorporated, Chicago, Ill. Ventilators. 181,760; Mar. 25; Serial No. 187,153; published Jan. 8, 1924.
Didisheim, Hipp., Co., Inc., New York, N. Y. Watches, watch movements, and parts of the same. 181,870; Mar. 25.
Dingiroglou, John, Portland, Oreg. Burners. 181,803; Mar. 25; Serial No. 183,964; published Jan. 8, 1924.
Doering Manufacturing Company, Chicago, Ill. Automobile or vehicle electric lamps. 181,787; Mar. 25; Serial No. 186,223; published Dec. 25, 1923.
Doering Manufacturing Company, Chicago, Ill. Automobile or vehicle electric lamps. 181,792; Mar. 25; Serial No. 183,222; published Dec. 18, 1923.
Dreiwitz, Max, doing business as Ch. Dreiwitz's Son, New York, N. Y. Lamb skins. 181,723; Mar. 25; Serial No. 185,921; published Jan. 1, 1924.
Duberstein, Isadore, Los Angeles, Calif. Garment hangers. 181,746; Mar. 25; Serial No. 186,980; published Jan. 1, 1924.
Dutchess Knitting Mills, New York, N. Y. Knitted outerwear. 181,62[illegible]; Mar. 25; Serial No. 167,349; published Jan. 15, 1924.
Eagle Manufacturing Company, Wellsburg, W. Va. Oil-containing receptacles. 181,778; Mar. 25; Serial No. 186,421; published Jan. 8, 1924.
Eagle Paint & Varnish Works, Inc., Brooklyn, N. Y. Paint pigments. 181,659; Mar. 25; Serial No. 188,473; published Jan. 8, 1924.
Ekko Company, The, Chicago, Ill. Radio phonograph adapters. 181,690; Mar. 25; Serial No. 181,519; published Dec. 18, 1923.
Elgin National Watch Company, Chicago, Ill. Watches and watchcases. 181,850; Mar. 25.
Eline's Incorporated, Milwaukee, Wis. Milk chocolate. 181,711; Mar. 25; Serial No. 186,117; published Jan. 8, 1924.
Elkins Medicine Co., Philadelphia, Pa. Gland compound. 181,629; Mar. 25; Serial No. 188,046; published Jan. 1, 1924.
Ellis, James R., Washington, D. C. Shipping containers for ice cream. 181,561; Mar. 25; Serial No. 187,409; published Jan. 8, 1924.
Embalmers' Supply Company, The, Westport, Conn. Concentrated cavity embalming fluid. 181,638; Mar. 25; Serial No. 188,190; published Jan. 8, 1924.
Emmel, Edward, Milwaukee, Wis. Lard. 181,884; Mar. 25.
Emmert, Frederick L., doing business as F. L. Emmert & Co., Cincinnati, Ohio. Liquid soap. 181,552; Mar. 25; Serial No. 187,411; published Jan. 1, 1924.
English & Mersick Co., The, New Haven, Conn. Vehicle door locks and latches. 181,810; Mar. 25; Serial No. 186,634; published Jan. 1, 1924.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 181,662; Mar. 25; Serial No. 188,792; published Jan. 8, 1924.
Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 181,663; Mar. 25; Serial No. 188,794; published Jan. 8, 1924.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 181,664; Mar. 25; Serial No. 188,812; published Jan. 8, 1924.
Esco Neckwear & Novelty Co., Baltimore, Md. Neckties. 181,860; Mar. 25.
Estate of Chas. F. Adams, Lancaster, Pa. Candy cough drops. 181,647; Mar. 25; Serial No. 188,298; published Jan. 8, 1924.
Evans, S. W., & Son, Philadelphia, Pa. Umbrella and parasol ribs. 181,707; Mar. 25; Serial No. 188,995; published Jan. 8, 1924.
Fabrique d'Horlogerie la Glycine, Bienne, Switzerland. Watches, clocks, and parts thereof. 181,688; Mar. 25; Serial No. 181,740; published Dec. 18, 1923.
Fairchild Bros. & Foster, New York, N. Y. Preparation of cod-liver oil. 181,826; Mar. 25; Serial No. 186,744; published Jan. 8, 1924.
Fansteel Products Company, Inc., North Chicago, Ill. Sodium tungstate and tungstic acid. 181,744; Mar. 25; Serial No. 186,052; published Jan. 8, 1924.
Fanti Brothers & Lewis, Chicago, Ill. Silk undergarments and camisoles. 181,597; Mar. 25; Serial No. 163,974; published Oct. 10, 1922.
Farrelly, Joseph, doing business as Radermo Laboratories, Pelham, N. Y. Complexion cream. 181,682; Mar. 25; Serial No. 185,695; published Jan. 8, 1924.
Farwell & Rhines: The Farwell & Rhines Co., Watertown, N. Y., successors. Flour and prepared cereals. 24,919; renewed June 26, 1924.
Ferbert-Schorndorfer Company, The, West Park, Cleveland, Ohio. Paints. 181,692; Mar. 25; Serial No. 150,697; published Jan. 8, 1924.
Ferris Radio Research Laboratory. (See Barron, Arnold M.)
Filene's Wm., Sons Company, Boston, Mass. Pins, cuff buttons, studs, watch chains, etc. 181,853; Mar. 25.
Fisher Importing Co., Inc. (See Helbein, William, assignor.)
Fletcher, Robert, & Son, assignor to Robert Fletcher & Son Limited, Stoneclough, England. Paper of every description. 24,938; renewed July 3, 1924.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 181,799; Mar. 25; Serial No. 183,827; published Jan. 8, 1924.
Formath Company. (See Seelman, George, jr.)
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,562; Mar. 25; Serial No. 187,576; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,578; Mar. 25; Serial No. 187,935; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,579; Mar. 25; Serial No. 187,937; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,580; Mar. 25; Serial No. 187,931; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,581; Mar. 25; Serial No. 187,928; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,582; Mar. 25; Serial No. 187,930; published Jan. 8, 1924.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 181,740–1; Mar. 25; Serial Nos. 186,893–4; published Jan. 1, 1924.
Fox River Farm Laboratories, Dundee, Ill. Medicine to relieve diarrheal condition in animals. 181,648; Mar. 25; Serial No. 188,300; published Jan. 8, 1924.
Frankel Bros., New York, N. Y. Topcoats, overcoats, coats, vests, etc. 181,722; Mar. 25; Serial No. 185,923; published Jan. 1, 1924.
Frankfort Distillery and George Baker. (See Mattingly & Moore Distillery Co.)
Freeman-Daughaday Co., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I. Collar buttons. 181,679; Mar. 25; Serial No. 185,577; published Jan. 1, 1924.
Frizzell, Mrs. Maggie, Sweet Springs, Mo. Stove polish and shoe polish. 181,564; Mar. 25; Serial No. 187,619; published Jan. 1, 1924.
Furst-McNess Company, Freeport, Ill. Liniments, medicinal and toilet preparations, etc. 181,794; Mar. 25; Serial No. 183,267; published Jan. 1, 1924.
Gaddy, R. N., Cramerton, N. C. Preparation for indigestion, piles, Bright's disease, catarrh, etc. 181,660; Mar. 25; Serial No. 188,475; published Jan. 8, 1924.
Gallardo, Ernest, doing business as Gallardo Co., New York, N. Y. Reducing cream. 181,776; Mar. 25; Serial No. 186,549; published Jan. 1, 1924.
Galvanic Chemical Company. (See Watkins, William C.)

Ganow, Stacy B., New York, N. Y. Saline laxative. 181,752; Mar. 25; Serial No. 187,251; published Jan. 8, 1924.
Garrett, Percival A., Goodmayes, England, Apparatus for aerating, carbonating, or gasifying liquids. 181,710; Mar. 25; Serial No. 186,124; published Jan. 1, 1924.
General Chain Co., Providence, R. I. Bracelets and neck chains. 181,725; Mar. 25; Serial No. 185,867; published Jan. 1, 1924.
General Electric Company, Schenectady, N. Y. Decorative electric-lighting outfits for Christmas trees. 181,613; Mar. 25; Serial No. 171,165; published Dec. 25, 1923.
General Laboratories, Madison, Wis. Fly spray. 181,642; Mar. 25; Serial No. 188,239; published Jan. 1, 1924.
General Paint and Varnish Company, Chicago, Ill. Paints, paint enamels, and stains. 181,837; Mar. 25.
General Tobacco Company, Louisville, Ky., and Chicago, Ill. Cigarettes, cigars, and smoking tobacco. 181,546; Mar. 25; Serial No. 187,308; published Jan. 1, 1924.
Germicide Company, The, Denver, Colo. Plastic dressing for the relief of inflammation. 181,843; Mar. 25.
Gestetner, D., Limited, London, England. Inks for printing and stenciling. 181,804; Mar. 25; Serial No. 183,900; published Jan. 1, 1924.
Gibson-Howell Company, Jersey City, N. J. Medicinal tablets for disorders of the stomach and as an aid to digestion. 181,775; Mar. 25; Serial No. 186,550; published Jan. 1, 1924.
Gignet, Julien, Lyon, France. Hair nets. 181,694; Mar. 25; Serial No. 184,939; published Jan. 8, 1924.
Gill, Julius Q., doing business as Gill Railway Supply Co., Peoria, Ill. Compound for removing scale from steam boilers. 181,824; Mar. 25; Serial No. 186,781; published Jan. 8, 1924.
Gill, Julius Q., doing business as Gill Railway Supply Co., Peoria, Ill. Cutting oil. 181,825; Mar. 25; Serial No. 186,782; published Jan. 8, 1924.
Glemby's, S., Sons Co., Inc., New York, N. Y. Hair nets. 181,585; Mar. 25; Serial No. 187,939; published Jan. 8, 1924.
Golden Age Remedy Co., Joplin, Mo. Blood purifier. 181,680; Mar. 25; Serial No. 185,656; published Jan. 8, 1924.
Goldman Costume Company, Inc., New York, N. Y. Underwear and furnishings. 181,625; Mar. 25; Serial No. 167,283; published Jan. 15, 1924.
Goodman, Roy W., doing business as Goodman Oil Company, Boise, Idaho. Gasoline. 181,622; Mar. 25; Serial No. 167,563; published Jan. 8, 1924.
Green & Green Company, The, Dayton, Ohio. Crackers, cakes, biscuits, etc. 181,864; Mar. 25.
Greenfield's, E., Sons, New York and Brooklyn, N. Y., assignor to The Chocolate Sponge Co., Inc., Brooklyn, N. Y. Chocolate candies. 181,871; Mar. 25.
Haas-Lieber Grocery Company, St. Louis, Mo. Canned corn. 181,555; Mar. 25; Serial No. 187,459; published Jan. 8, 1924.
Hale, Elvin M., Stockton, Calif. Pharmaceutical preparation for the treatment of colds. 181,697; Mar. 25; Serial No. 185,296; published Jan. 8, 1924.
Haller, Charles W., doing business as Halmo Medicine Company, Dayton, Ohio. Medicine for hay fever, burns, and running sores. 181,747; Mar. 25; Serial No. 186,993; published Jan. 8, 1924.
Halmo Medicine Company. (See Haller, Charles W.)
Hannahs Manufacturing Company, Kenosha, Wis. Furniture. 181,717; Mar. 25; Serial No. 186,011; published Jan. 1, 1924.
Hartley, Emmett F., doing business as Hartley Rubber Co., Huntington, W. Va. Repair kit for pneumatic tires. 181,626; Mar. 25; Serial No. 187,944; published Jan. 1, 1924.
Hays, Claude H., Union, Miss. Game of chance. 181,713; Mar. 25; Serial No. 186,055; published Jan. 8, 1924.
Helbein, William, assignor to Fisher Importing Co., Inc., New York, N. Y. Watches, watch movements, and parts of same. 181,888; Mar. 25.
Heller, L., & Son, Inc., New York, N. Y. Packaged combination of restringing silk with jeweler's threading needle. 181,748; Mar. 25; Serial No. 186,994; published Jan. 1, 1924.
Herrick-Baldwin-Cox Corporation, Springfield, Mass. Wheeled toy vehicles. 181,868; Mar. 25.
Heuer, George A., Bellaire, N. Y. Shingle stain. 181,786; Mar. 25; Serial No. 186,230; published Jan. 8, 1924.
Holyoke Umbrella Co. (See Silverman, Emanuel.)
Home Candy Company, The, Pocahontas, Iowa. Candy bar. 181,815; Mar. 25; Serial No. 186,708; published Jan. 8, 1924.
Hubert, Irving, New York, N. Y. Nail polish. 181,729; Mar. 25; Serial No. 186,995; published Jan. 8, 1924.
Hudnut, Richard, New York, N. Y. Skin and tissue creams, bath powders, lip rouge, etc. 181,742; Mar. 25; Serial No. 186,907; published Jan. 8, 1924.
Hudnut, Richard, New York, N. Y. Sachet, tooth powder, cold cream, tooth paste, etc. 181,811; Mar. 25; Serial No. 186,639; published Jan. 8, 1924.
Hudson Pharmacal Co. Inc., Union Hill, N. J. Pharmaceutical preparation. 181,730; Mar. 25; Serial No. 186,790; published Jan. 8, 1924.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables, dried fruits, and canned fish. 181,812; Mar. 25; Serial No. 186,642; published Jan. 8, 1924.
Hygienic Fibre Company, Versailles, Conn., and New York, N. Y. Absorbent cotton and waste, bandages, etc. 181,893; Mar. 25.
Illinois Watch Case Company, Elgin, Ill. Watchcases. 24,436; renewed Apr. 3, 1924.
Illustrated Daily News Publishing Co., Inc., Los Angeles, Calif. Comic newspaper strip. 181,645; Mar. 25; Serial No. 188,209; published Jan. 8, 1924.
Imai, Kinjiro, doing business as Newton Co., Seattle, Wash. Cold cream. 181,633; Mar. 25; Serial No. 188,095; published Jan. 1, 1924.
International Stamping Company, The, Chicago, Ill. Tire carriers. 181,547; Mar. 25; Serial No. 187,314; published Jan. 1, 1924.
Interocean Holding Company, Chicago, Ill., and New York, N. Y. Electrically-heated sadirons, curling irons, percolators, etc. 181,615; Mar. 25; Serial No. 170,387; published Jan. 9, 1923.
Isaacs, Mark, Jacksonville, Fla. Insecticides. 181,756; Mar. 25; Serial No. 187,216; published Jan. 8, 1924.
Jansen & Pretzfeld, Inc., New York, N. Y. Silks in the piece. 181,661; Mar. 25; Serial No. 188,631; published Jan. 8, 1924.
Kansas City Paper House, Kansas City, Mo. Book papers. 181,698; Mar. 25; Serial No. 185,341; published Jan. 1, 1924.
Kaye, Frank C., New York, N. Y. Monthly magazine. 181,638; Mar. 25; Serial No. 188,153; published Jan. 8, 1924.
Keach and Greene, Philadelphia, Pa. Saxophones. 181,845; Mar. 25.
Keystone American, Inc., Pittsburgh, Pa. Title of a newspaper. 181,561; Mar. 25; Serial No. 187,522; published Jan. 8, 1924.
Kiddie's Karnival Corporation, Eufaula, Ala. Miniature theaters, toy figures, and accessories. 181,548; Mar. 25; Serial No. 187,318; published Jan. 8, 1924.
Kimble Electric Company, Chicago, Ill. Electric motors. 181,737; Mar. 25; Serial No. 186,844; published Dec. 25, 1923.
King, C. G., & Company, Inc., Providence, R. I. Safety pins and lingerie clasps. 181,847; Mar. 25.
Kirkham, Elizabeth W., doing business as Trinity Drug Company, New York, N. Y. Healing ointment. 181,685; Mar. 25; Serial No. 182,829; published Jan. 8, 1924.
Kleven, Jacobine, doing business as Mrs. K. Kleven, Minneapolis, Minn. Healing salve. 181,781; Mar. 25; Serial No. 186,327; published Jan. 1, 1924.
Koerner, Henry, & Company, New York, N. Y. Chamois skins. 181,577; Mar. 25; Serial No. 187,871; published Jan. 1, 1924.
Koto Trading Company, Ltd., New York, N. Y. Canned crab meat. 181,816; Mar. 25; Serial No. 186,711; published Jan. 8, 1924.
Krag, Frans K., Chicago, Ill. Metal-drilling machines. 181,784; Mar. 25; Serial No. 186,280; published Jan. 1, 1924.
Krapf, Armin C., Brooklyn, N. Y. Pharmaceutical preparation used as a remedy for rheumatism. 181,609; Mar. 25; Serial No. 174,209; published Jan. 8, 1924.
Kraus, Rita A., doing business as Ritanella Co., Philadelphia, Pa. Toilet creams and shampoos. 181,660; Mar. 25; Serial No. 179,475; published Jan. 1, 1924.
Kress, F. J., Box Company, Pittsburgh, Pa. Wood and corrugated-paper boxes. 181,640; Mar. 25; Serial No. 188,211; published Jan. 8, 1924.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Ammonia and bluing. 181,755; Mar. 25; Serial No. 187,223; published Jan. 8, 1924.
Kuensel Mills Company, The, New Bremen, Ohio. Wheat flour. 181,763; Mar. 25; Serial No. 187,108; published Jan. 1, 1924.
La Compagnie Gentin, Ltd., Boston, Mass. Medicinal preparation used as a general tonic. 181,641; Mar. 25.
La Grange Mills, Red Wing, Minn. Wheat flour. 24,001–2; renewed Jan. 9, 1924.
La Grange Mills, Red Wing, Minn. Wheat flour. 24,004; renewed Jan. 9, 1924.
La Mode Garment Co., Inc., Chicago, Ill. Ladies' and children's wearing apparel. 181,556; Mar. 25; Serial No. 187,468; published Jan. 1, 1924.
Langlois. (See United Drug Company.)
La Vie Pearl Company, New York, N. Y. Pearls. 181,768; Mar. 25; Serial No. 187,062; published Jan. 1, 1924.
Lazy Sue Hanger Company, Washington, D. C. Devices to be slipped on the ends of garment hangers. 181,553; Mar. 25; Serial No. 187,425; published Jan. 1, 1924.
Leiner, Geo. S., & Co., New York, N. Y. Brushes. 181,720; Mar. 25; Serial No. 185,973; published Jan. 1, 1924.
Le Mahieu, H. W. (See Simplex, Alarm Company, assignor.)
Lewis Bros., Inc., New York, N. Y. Hair tonic. 181,584; Mar. 25; Serial No. 187,872; published Jan. 1, 1924.
Lindsay Pork Products Co., Birmingham, Ala. Sausage. 181,773; Mar. 25; Serial No. 186,558; published Jan. 8, 1924.
Lindsay Pork Products Co., Birmingham, Ala. Pork sausage. 181,774; Mar. 25; Serial No. 186,557; published Jan. 8, 1924.

Lioni Fruit & Packing Co., Inc., San Francisco, Calif. Tomato paste. 181,719; Mar. 25; Serial No. 185,975; published Jan. 8, 1924.
Little-Darling Hat Co., New York, N. Y. Children's hats. 181,716; Mar. 25; Serial No. 186,017; published Jan. 1, 1924.
Loodon, William, High Point, N. C. Caps for men, women, and children. 181,593; Mar. 25; Serial No. 165,753; published May 8, 1923.
Lopes, Louise D. (See De Toledo, Bernardo, assignor.)
Loveland Flour Mills, The. (See Colorado Milling & Elevator Co.)
Luebstorf, Christian, Boyd, Wis. Prepared wheat and corn flour. 181,549; Mar. 25.
Lurie Manufacturing Company, Chicago, Ill. Men's and boys' trousers. 181,866; Mar. 25.
Magnin, Joseph, Co., Inc., San Francisco, Calif. Ladies' silk underwear. 181,854-5; Mar. 25.
Magnolia Cigar Co., Brooklyn, N. Y. Cigars. 181,605; Mar. 25; Serial No. 148,083; published Jan. 8, 1924.
Maine Potato Growers' Exchange, Caribou, Me. Potatoes. 181,777; Mar. 25; Serial No. 186,514; published Jan. 8, 1924.
Marker Chemical Company, The, Fairmont, W. Va. Preparation for cleansing the teeth. 181,772; Mar. 25; Serial No. 186,560; published Jan. 1, 1924.
Markofsky, Hyman, New York, N. Y. Men's and boys' suits and overcoats, ladies' suits and coats. 181,878; Mar. 25.
Marnita Chemical Co., Washington, D. C. Cough sirup. 181,762; Mar. 25; Serial No. 187,115; published Jan. 8, 1924.
Martin Products Company, San Francisco, Calif. Lubricating grease in cartridge form. 181,588; Mar. 25; Serial No. 166,746; published Jan. 8, 1924.
Martinez, Andrés, New York, N. Y. Cream rouges. 181,643; Mar. 25; Serial No. 188,249; published Jan. 8, 1924.
Mast Lightning Rod Company, Dayton, Ohio. Lightning rods. 181,551; Mar. 25.
Master Piston Co. (See Clemmer, Geo. B.)
Master Tire & Rubber Co., The, Dayton, Ohio. Rubber tires. 181,889; Mar. 25.
Mattingly & Moore Distillery Co., doing business as Frankfort Distillery and George Baker, Louisville, Ky. Distilled alcoholic liquors. 181,816; Mar. 25; Serial No. 170,303; published Jan. 1, 1924.
Maybelline Company, Inc., Chicago, Ill. Darkener for eyebrows and eyelashes. 181,549; Mar. 25; Serial No. 187,333; published Dec. 25, 1923.
McCully, Clement H., Brooklyn, N. Y. Medicine for the treatment of nasal catarrh, cold in the head, etc. 181,670; Mar. 25; Serial No. 178,859; published Jan. 8, 1924.
McKay, W. E., & Company, Incorporated, New York, N. Y. Cotton, cotton and silk, etc., piece goods. 181,759; Mar. 25; Serial No. 187,169; published Jan. 8, 1924.
Meier & Frank Co., Portland, Oreg. Candy. 181,879; Mar. 25.
Mellen, Marion, New York, N. Y. Tapestries, brocades, embroideries, silks, cotton and linen prints in the piece. 181,570; Mar. 25; Serial No. 187,754; published Jan. 8, 1924.
Messina, Joachim, doing business as J. Messina Chemical Company, Memphis, Tenn. Shampoos. 181,881; Mar. 25.
Mewhinney, A. B., Co. Inc., also doing business as Mewhinney's, Terre Haute, Ind. Chocolate-coated cream peanut bar. 181,599; Mar. 25; Serial No. 162,563; published Jan. 8, 1924.
Michael, Stanley B., doing business as Niagara Sweetjoy Co., Buffalo, N. Y. Assorted candies and assorted chocolates. 181,707; Mar. 25; Serial No. 183,661; published Jan. 8, 1924.
Mierke, Edward A., St. Paul, Minn. Medicine for headache, colds, etc. 181,874; Mar. 25.
Miller, Edward L., Buffalo, N. Y. Tonics for rebuilding and invigorating the glands of the body. 181,683; Mar. 25; Serial No. 185,760; published Jan. 8, 1924.
Miller-Matthews Publishing Company, Charleston, W. Va. Monthly magazine. 181,575; Mar. 25; Serial No. 187,532; published Jan. 8, 1924.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 181,566; Mar. 25; Serial No. 187,680; published Jan. 1, 1924.
Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Semipaste paint. 181,608; Mar. 25; Serial No. 174,255; published Feb. 27, 1923.
Modern Methods Laboratories. (See Snasdell, George D.)
Montgomery, William S., Brooklyn, N. Y. Stove polish. 181,567; Mar. 25; Serial No. 187,600; published Jan. 1, 1924.
Motorfrigerator Company, The, Lansdale, Pa. Refrigerators. 181,849; Mar. 25; Serial No. 188,319; published Jan. 1, 1924.
Mulcaroy Company, Inc., Philadelphia, Pa. Hose. 181,848; Mar. 25.
Murphy Varnish Company, Newark, N. J. Lacquers. 181,650; Mar. 25; Serial No. 188,320; published Jan. 8, 1924.
National Carbon Company, Inc., New York, N. Y. Dry batteries. 181,715; Mar. 25; Serial No. 186,024; published Dec. 18, 1923.
National Carbon Company, Inc., New York, N. Y. Dry batteries. 181,790; Mar. 25; Serial No. 183,040; published Dec. 18, 1923.
National Food Products Corporation, Inc., Los Angeles, Calif. Maltless soft-drink powder. 181,557; Mar. 25; Serial No. 187,475; published Jan. 1, 1924.
National Products Co., Eau Claire, Wis. Chemical preparation for the treatment of the hair. 181,813; Mar. 25; Serial No. 186,663; published Jan. 8, 1924.
National Radioak Co. (See Smith, Robert H.)
National Refining Company, The, Cleveland, Ohio. Gasoline, lubricating, fuel, and illuminating oils and lubricating compounds. 181,706; Mar. 25; Serial No. 189,063; published Jan. 8, 1924.
National Toilet Co., Paris, Tenn. Face powders. 181,630; Mar. 25; Serial No. 188,057; published Jan. 1, 1924.
Nemo Circlet Company Inc., New York, N. Y. Corsets, brassières, and women's underwear. 181,727; Mar. 25; Serial No. 185,837; published Jan. 8, 1924.
Nev-A-Hone Razor Strop Company, New York, N. Y. Leather key purses, coin purses, and wallets. 181,563; Mar. 25; Serial No. 187,587; published Jan. 8, 1924.
Newbro Manufacturing Company, Atlanta, Ga. Preparation for gout, sciatica, lumbago, neuralgia, etc. 181,651; Mar. 25; Serial No. 188,822; published Jan. 8, 1924.
Newton Co. (See Imai, Kinjiro.)
New York Belting and Packing Company, New York, N. Y. Belting, hose, packing. 181,840; Mar. 25.
New York & New Jersey Lubricant Co., New York, N. Y. Lubricating oils for gas engines and motors. 181,883; Mar. 25.
New York Standard Ash Can Manufacturing Company, Brooklyn, N. Y. Cans, can covers, hampers, barrels, kegs, medicine boxes. 181,842; Mar. 25.
Niagara Sweetjoy Co. (See Michael, Stanley B.)
Norma Company of America, The, Long Island City, N. Y. Ball and roller bearings and their parts. 181,875; Mar. 25.
North American Radio & Supply Corporation, The, New York, N. Y. Radio receiving and transmitting instruments and parts thereof. 181,618; Mar. 25; Serial No. 168,936; published Dec. 18, 1923.
Nusbaum, D., & Co., Inc., New York, and Woodhaven, N. Y. Knitted outer and under garments. 181,586; Mar. 25; Serial No. 167,140; published Jan. 15, 1924.
Nussey, Arthur, assignor to Arthur H. Nussey, doing business as Nussey's Pharmacy, Paterson, N. J. Bug powder. 25,058; renewed July 24, 1924.
Ohio Refining Company, The, Cincinnati, Ohio. Gasoline. 181,601; Mar. 25; Serial No. 162,310; published Jan. 9, 1923.
One Hand Clock Company, Warren, Pa. Watches, clocks, and watch and clock dials. 181,891; Mar. 25.
Osaka Zosu Kabushiki Kaisha, The, Sakai, Japan. Vinegar. 181,692; Mar. 25; Serial No. 184,563; published Jan. 8, 1924.
P & M Products Company, Oakland, Calif. Cleansing powder. 181,767; Mar. 25; Serial No. 187,068; published Jan. 1, 1924.
Pacent Electric Company Incorporated, New York, N. Y. Radio apparatus. 181,844; Mar. 25.
Peerless Cotton Mills, Thomaston, Ga. Sheets, sheeting, pillowcases, and bolster coverings. 181,789; Mar. 25; Serial No. 182,990; published Jan. 1, 1924.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Cotton piece goods. 181,788; Mar. 25; Serial No. 186,197; published Jan. 8, 1924.
Pennsylvania Snythetic Gas & Chemical Company, Philadelphia, Pa. Fuels for internal-combustion engines. 181,598; Mar. 25; Serial No. 162,887; published Jan. 8, 1924.
Peterson, Otto, Fort Bragg, Calif. Preparation for treatment of the hands and feet, chronic eczema, etc. 181,702; Mar. 25; Serial No. 185,534; published Jan. 8, 1924.
Pharaoh Drapery Co., Inc., New York, N. Y. Piece goods manufactured from cotton and silk and cotton and artificial silk. 181,677; Mar. 25; Serial No. 178,186; published Jan. 8, 1924.
Phosphor Bronze Smelting Company, The, Philadelphia, Pa. Golf clubs. 181,627; Mar. 25; Serial No. 187,957; published Jan. 1, 1924.
Pierce, S. S., Co., Boston, Mass. Canned fruits and vegetables. 181,676; Mar. 25; Serial No. 177,995; published July 10, 1923.
Pierce, S. S., Co., Boston, Mass. Toilet water and toilet extract. 181,709; Mar. 25; Serial No. 186,154; published Jan. 15, 1924.
Pioneer Products Company, The, Dayton, Ohio. Liquid shampoo and dandruff cure. 181,769; Mar. 25; Serial No. 186,610; published Jan. 8, 1924.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Soda ash and caustic soda. 181,612; Mar. 25; Serial No. 171,510; published Jan. 8, 1924.
Plateless Engraving Co., Inc., New York, N. Y. Correspondence cards, letterheads, and announcements. 181,849; Mar. 25.
Providence Collar Button Company. (See Freeman-Daneshaday Co.)
Pure Oil Company, Columbus, Ohio. Gasoline. 181,793; Mar. 25; Serial No. 183,229; published Jan. 8, 1924.

Quisenberry Feed Mfg. Co., Kansas City, Mo. Feeds and feedstuffs. 181,761; Mar. 25; Serial No. 187,127; published Jan. 1, 1924.
Radergno Laboratories. (See Farrelly, Joseph.)
Radio Storage Battery Co., San Francisco, Calif. Storage batteries. 181,857; Mar. 25.
Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Resilient inner rings arranged to fit under the regular piston rings. 181,814; Mar. 25; Serial No. 186,671; published Jan. 1, 1924.
Rangaves, L., & Co. Inc., New York, N. Y. Cigars, cigarettes, and smoking tobacco. 181,726; Mar. 25; Serial No. 185,840; published Jan. 1, 1924.
Rasch & Gainor, Baltimore, Md. Window shades. 181,724; Mar. 25; Serial No. 185,877; published Jan. 8, 1924.
Rat-Chek Co., Inc., The, New York, N. Y. Rat poisons. 181,681; Mar. 25; Serial No. 185,674; published Jan. 8, 1924.
Reed, H. H., Reedsville, W. Va. Varnish. 181,628; Mar. 25; Serial No. 187,959; published Jan. 8, 1924.
Reese, Alonzo S., doing business as Combination Remedy Company, Pittsburgh, Pa. Medicine. 181,783; Mar. 25; Serial No. 186,293; published Jan. 1, 1924.
Reid, E. L., Wilson, N. C. Preparation for blind stagger, etc., for cows; acute indigestion for mules and horses, etc. 181,700; Mar. 25; Serial No. 185,495; published Jan. 8, 1924.
Remiller Co., The, New York, N. Y. Perfumes. 181,771; Mar. 25; Serial No. 186,569; published Jan. 8, 1924.
Rex Chemical Co., Inc., Salem, Va., and Washington, D. C. Preparation used in the treatment of colds, pneumonia, influenza, croup, etc. 181,652; Mar. 25; Serial No. 188,326; published Jan. 8, 1924.
Rietz, Edward, Sao Paulo, Brasil. Mine-run, graded, dressed, and partly-dressed zircon ores. 181,668; Mar. 25; Serial No. 180,495; published Jan. 8, 1924.
Ritanella Co. (See Kraus, Rita A.)
Roberts-Frank & Co., Inc., Chicago, Ill. Ladies' and children's wearing apparel. 181,558; Mar. 25; Serial No. 187,486; published Jan. 1, 1924.
Robeson Process Company, New York, N. Y. Adhesive. 181,712; Mar. 25; Serial No. 186,084; published Jan. 8, 1924.
Robinson, Charles M., Cincinnati, Ohio. Talking machines. 181,604; Mar. 25; Serial No. 149,422; published Sept. 26, 1922.
Rohan, Andrew Company, Cincinnati, Ohio. Mayonnaise and salad dressing. 181,745; Mar. 25; Serial No. 186,964; published Jan. 8, 1924.
Ropp, Eugene, Beaume-les-Dames, France. Pipes, cigar and cigarette holders. 181,667; Mar. 25; Serial No. 180,498; published Nov. 13, 1923.
S. M. Watch Case Co., Inc., New York, N. Y. Watch-cases. 181,695; Mar. 25; Serial No. 185,232; published Dec. 25, 1923.
Sampson Medicine Company, Winston-Salem, N. C. Anodyne for relief of indigestion, catarrh, etc. 181,846; Mar. 25.
Samuels, J., and Brother, Incorporated, Providence, R. I. Suits, overcoats, sweaters, hats and caps for boys. 181,607; Mar. 25; Serial No. 174,411; published Oct. 16, 1923.
Sanco Co., The. (See Davis, Howard C.)
Sanitary Rubber Novelty Co., The, Chicago, Ill. Bibs. 181,611; Mar. 25; Serial No. 171,860; published Dec. 11, 1923.
Sarsam, P. A., Co., New York, N. Y. Cigarettes. 181,658; Mar. 25; Serial No. 188,441; published Jan. 1, 1924.
Scherck, Lewis A., New Orleans, La. Roasted coffee. 181,856; Mar. 25.
Schiller, Harry, doing business as Schiller Bros., New York, N. Y. Ladies' gowns, chemise, drawers, corset covers, etc. 181,817; Mar. 25; Serial No. 186,724; published Jan. 1, 1924.
Schmidt & Ault Paper Co., York, Pa. Indented paper carpet lining. 181,795; Mar. 25; Serial No. 183,504; published Jan. 8, 1924.
Schmidt, Robert, Berlin, Germany. Bleaching preparations, mordants, acids, codein tablets, etc. 181,623; Mar. 25; Serial No. 167,424; published Jan. 8, 1924.
Schuylkill Chemical Company, The, Philadelphia, Pa. Peroxide of hydrogen. 181,687; Mar. 25; Serial No. 182,012; published Jan. 8, 1924.
Schwartz, Rudolph, San Francisco, Calif. Cigars. 181,559; Mar. 25; Serial No. 187,492; published Jan. 1, 1924.
Seedman, Geo. J., doing business as G. J. Seedman Motor Supplies Co., Brooklyn, N. Y. Radiator covers, side curtains, windshield visors, etc. 181,858; Mar. 25.
Seelman, George, jr., doing business as Formath Company, Milwaukee, Wis. Antiseptic for mouth wash and general toilet use. 181,701; Mar. 25; Serial No. 186,500; published Jan. 8, 1924.
Setzer, Albert, Providence, R. I. Electric storage batteries. 181,596; Mar. 25; Serial No. 164,129; published Apr. 24, 1923.
Seward Trunk and Bag Company, doing business as Autorobe Trunk Co., Petersburg, Va. Wardrobe trunks. 181,665; Mar. 25; Serial No. 188,277; published Jan. 8, 1924.
Seward Wire Company, Parkersburg, W. Va. Rubber-covered electric wire cables. 181,646; Mar. 25; Serial No. 181,317; published Dec. 18, 1923.
Sexton, John, and Company, Chicago, Ill. Baking powder. 181,571; Mar. 25; Serial No. 187,772; published Jan. 1, 1924.
Shellman, L. W., Townsend, Ga. Tonic for purifying the blood, etc., a purgative, and a liniment. 181,791; Mar. 25; Serial No. 183,168; published Jan. 1, 1924.
Shortt, Vivian A., Indianapolis, Ind. Compound for removing carbon and other foreign particles from internal-combustion engines. 181,603; Mar. 25; Serial No. 156,663; published June 5, 1923.
Siemon & Elting, New York, N. Y. Wash blue. 181,802; Mar. 25; Serial No. 183,947; published Jan. 8, 1924.
Silverman, Emanuel, doing business as Holyoke Umbrella Co., Holyoke, Mass. Umbrellas. 181,872; Mar. 25.
Simplex Alarm Company, Milwaukee, assignor, by mesne assignments, to H. W. Le Mahieu, Oostburg, Wis. Electrical alarm systems as a whole. 181,867; Mar. 25.
Simplex Electrical Laboratories, Inc., New York and Brooklyn, N. Y. Electrical instruments for adapting commercial alternating current for use in radio receiving circuits. 181,805; Mar. 25; Serial No. 184,107; published Dec. 18, 1923.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton, cotton and silk, cotton and wool goods in the piece. 181,703; Mar. 25; Serial No. 185,537; published Jan. 8, 1924.
Slattery Bros., Boston, Mass. Leather. 181,635; Mar. 25; Serial No. 188,140; published Jan. 1, 1924.
Smith, Robert H., doing business as National Radioak Co., San Francisco, Calif. Radioactive water for treatment of hardening of the arteries, high blood pressure, etc. 181,620; Mar. 25; Serial No. 168,550; published Jan. 8, 1924.
Snasdell, George D., doing business as Modern Methods Laboratories, Chicago, Ill. Depilatory and superfluous-hair remover. 181,749; Mar. 25; Serial No. 187,024; published Jan. 8, 1924.
Societe Anonyme des Anciens Etablissements Panhard & Levassor, Paris, France. Automobiles, boats, etc. 181,807; Mar. 25; Serial No. 184,306; published Jan. 8, 1924.
Sonora, Inc., New York, N. Y. Talking machines and phonographs. 181,887; Mar. 25.
Sperry Flour Company, San Francisco, Calif. Baby-chick feed. 181,550; Mar. 25; Serial No. 187,391; published Jan. 1, 1924.
Standard Laboratories, Des Moines, Iowa. Aspirin. 181,590; Mar. 25; Serial No. 166,610; published Jan. 8, 1924.
Standard Oil Company, (New Jersey), Bayonne, N. J. Gasoline. 181,798; Mar. 25; Serial No. 183,675; published Jan. 8, 1924.
Standard Oil Company of New York, New York, N. Y. Medicinal oils. 181,653; Mar. 25; Serial No. 188,382; published Jan. 8, 1924.
Standard Oil Company of New York, New York, N. Y. Dry, paste, and ready-mixed paints, varnishes, etc. 181,654; Mar. 25; Serial No. 188,384; published Jan. 8, 1924.
Standard Oil Company of New York, New York, N. Y. Floor oilers, yarn mops, dust cloths, etc. 181,655; Mar. 25; Serial No. 188,385; published Jan. 1, 1924.
Standard Varnish Works, New York, N. Y. Enamel paints. 181,895; Mar. 25.
Stein Barnett Shirt Company, Inc., New York, N. Y. Men's outing, dress, and work shirts. 181,591; Mar. 25; Serial No. 166,574; published Nov. 14, 1922.
Steinberg & Linden, New York, N. Y. Dresses, coats, and suits. 181,728; Mar. 25; Serial No. 185,799; published Jan. 8, 1924.
Struven, Charles M., doing business as Chas. M. Struven & Co., Baltimore, Md. Hog, poultry, and cattle feed. 181,831; Mar. 25.
Sunbeam Water Company, Philadelphia, Pa. Ginger ale. 181,572; Mar. 25; Serial No. 187,782; published Jan. 1, 1924.
Sun-Herald Corporation, The, New York, N. Y. Serial sporting column or section. 181,568; Mar. 25; Serial No. 187,700; published Jan. 8, 1924.
Sunset Club Bottling Co., Sherman, Calif. Maltless carbonated beverages. 181,743; Mar. 25; Serial No. 186,937; published Jan. 1, 1924.
Superheater Company, The, Wilmington, Del., and New York, N. Y. Boiler feed pumps and feed-water heaters. 181,646; Mar. 25; Serial No. 188,282; published Jan. 8, 1924.
Swartz, Milton D., doing business as Baltimore Water Paint Company, Baltimore, Md. Wall sizes. 181,731; Mar. 25; Serial No. 186,809; published Jan. 8, 1924.
Sziber, Steve A. D., New York, N. Y. Medicine for tuberculosis, diphtheria, purification of blood, and prolongation of life. 181,704; Mar. 25; Serial No. 185,540; published Jan. 8, 1924.
Thacher Medicine Company, Chattanooga, Tenn. Pharmaceutical preparation. 181,705; Mar. 25; Serial No. 185,541; published Jan. 8, 1924.
Tonsilo Company. (See Wilson, C. Lewis.)
Trinity Drug Company. (See Kirkham, Elizabeth W.)
Trommer, John F., Inc., Brooklyn, N. Y. Malt beverage. 181,614; Mar. 25; Serial No. 170,845; published Jan. 1, 1924.
Truemps, Faesy & Besthoff, Inc., New York, N. Y. Chemicals. 181,624; Mar. 25; Serial No. 182,943; published Jan. 8, 1924.

United Drug Company, doing business as Langlois, Boston, Mass. Perfumes and toilet waters. 181,808; Mar. 25; Serial No. 184,370; published Jan. 8, 1924.
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 181,718; Mar. 25; Serial No. 185,905; published Jan. 1, 1924.
Universal Trunk Company, Chicago, Ill. Trunks and wardrobe trunks. 181,829; Mar. 25.
Vai, James L., doing business as California Medicinal Wine Co., also doing business as Vai Brothers, Los Angeles, Calif. Wine bitters and tonic. 181,673; Mar. 25; Serial No. 176,232; published Jan. 8, 1924.
Van Ess Laboratories, Inc., Chicago, Ill. Shampoo. 181,804; Mar. 25.
Van Valkenburg, L. D., Co., Holyoke, Mass. Clips, paper fasteners, and metal holders. 181,863; Mar. 25.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Rheumatic compound, female vigorator, antiseptic, etc. 181,619; Mar. 25; Serial No. 168,655; published Jan. 1, 1924.
Van Vleet-Mansfield Drug Co., Memphis, Tenn. Writing tablets and paper, envelopes, rubber bands, etc. 181,818; Mar. 25; Serial No. 186,730; published Jan. 1, 1924.
Walentovic, John, Verona, Pa. Supports in chimneys for stovepipes of different diameters. 181,782; Mar. 25; Serial No. 186,297; published Jan. 8, 1924.
Ward Baking Company, New York, N. Y. Bread. 181,732; Mar. 25; Serial No. 186,816; published Jan. 1, 1924.
Watkins, William C., doing business as Galvanic Chemical Company, St. Louis, Mo. Tooth paste. 181,819; Mar. 25; Serial No. 186,733; published Jan. 8, 1924.
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 181,583; Mar. 25; Serial No. 187,904; published Jan. 8, 1924.
Webb Company, Milwaukee, Wis. Road graders. 181,869; Mar. 25.
Weil-Ransom Co., Chicago, Ill. Wool dusters. 181,862; Mar. 25.
White, James F., & Co. Inc., New York, N. Y. Jute piece goods. 181,827; Mar. 25; Serial No. 186,754; published Jan. 1, 1924.
Wilkinson, Gordon O., Philadelphia, Pa. Radio receiving coils. 181,886; Mar. 25.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 181,828; Mar. 25; Serial No. 186,767; published Jan. 8, 1924.
Wilson, C. Lewis, doing business as Tonsilo Company, Parkersburg, W. Va. Preparation for sore throat and tonsilitis. 181,686; Mar. 25; Serial No. 182,389; published Jan. 8, 1924.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 181,631; Mar. 25; Serial No. 188,080; published Jan. 8, 1924.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 181,632; Mar. 25; Serial No. 188,082; published Jan. 8, 1924.
Winchester Repeating Arms Company, New Haven, Conn. Ice skates, roller skates, and parts thereof. 181,758; Mar. 25; Serial No. 187,181; published Jan. 8, 1924.
Winston, Harper, Fisher Company, Minneapolis, Minn. Writing and wrapping paper. 181,753; Mar. 25; Serial No. 187,238; published Jan. 1, 1924.
Winston, Harper, Fisher Company, Minneapolis, Minn. Salt, baking soda, starch, lye, etc. 181,754; Mar. 25; Serial No. 187,237; published Jan. 8, 1924.
Yardley & Co., Ltd., New York, N. Y. Face powders. 181,644; Mar. 25; Serial No. 188,260; published Jan. 8, 1924.
Yellow Cab Manufacturing Co., Chicago, Ill. Automobile omnibuses. 181,714; Mar. 25; Serial No. 186,038; published Jan. 1, 1924.
Zarbaugh, Lyman, doing business as All-in-One Company, Toledo, Ohio. Tooth-powder tablets. 181,636; Mar. 25; Serial No. 188,142; published Jan. 8, 1924.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Ace Broom Company, (See Coraci, Antonio.)
Cob Co., The, New York, N. Y. Nil Deodorant Compacte. For a Deodorant compact. 27,114; Mar. 25.
Columbia Carbon Company, The, Dayton, Ohio. The Mineral Wax Twins Clean and Good. For Inked Ribbons. 27,115; Mar. 25.
Coraci, Antonio, doing business as Ace Broom Company, Brooklyn, N. Y. Made Of Selected Corn, Can Be Used For Best Quality Carpet. For Brooms. 27,116; Mar. 25.
De Parys, Jean. (See Feldman, Arthur.)
Feldman, Arthur, doing business as Jean de Parys, New York, N. Y. Les Parfums. For Perfumes. 27,117; Mar. 25.
Genesee Products Co. (See Himmelberger, Leo R.)
Glendora Mutual Orange Association, Azusa, Calif. Spartan. For Fresh Oranges. 27,118; Mar. 25.
Glendora Mutual Orange Association, Azusa, Calif. Fidelity. For Fresh Oranges. 27,119; Mar. 25.
Glendora Mutual Orange Association, Azusa, Calif. Eclipse. For Fresh Oranges. 27,120; Mar. 25.
Glickman, Koppel, Milwaukee, Wis. In Spir Ol. For Medicines for Treatment and Relief of Coughs, Colds, Catarrh, Laryngitis, Bronchitis, and Diseases of the Respiratory Organs. 27,121; Mar. 25.
Gude, O. J., Co. N. Y., The, New York, N. Y. Bulletin Paint. For Paint for Bulletin Boards for Outdoor Use. 27,122; Mar. 25.
Hills Brothers Company, The, New York, N. Y. Dromedary grapefruit. For Canned Grapefruit. 27,123; Mar. 25.
Himmelberger, Leo R., doing business as Genesee Products Co., Flint, Mich. Ma-Jon. For Antiseptic Cleanser and Washing Powder. 27,124; Mar. 25.
Kleen Hand Products Co. (See Rawles, Kate C.)
Milwaukee Paper Box Co., Milwaukee, Wis. Chocolates. For Boxes Containing Candy. 27,125; Mar. 25.
Nicholson-Feinberg, Inc., New York, N. Y. Kiddiboso For Tiny Toes. For Hosiery. 27,125; Mar. 25.
Rawles, Kate C., doing business under the name of Kleen Hand Products Co., Fernley, Nev. Kleen Hand. For Stove Cloth. 27,127; Mar. 25.
Schwab, A., Memphis, Tenn. Schwab's Nature Face Powder. For Face Powder. 27,128; Mar. 25.
Suarez, M. F., Cigar Manufacturing Company, Clarksburg, W. Va. M. F. Suarez. For Cigars. 27,129; Mar. 25.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Koster Butter & Egg Co., Inc., New York, N. Y. Certified Eggs. For Eggs. 7,257; Mar. 25.
Pick, Albert, & Company, Chicago, Ill. Nonik. For Drinking Tumblers. 7,258; Mar. 25.
Richardson, O. W., & Co., Chicago, Ill. Ask about Our Budget Plan of Selling Furniture and Floor Coverings. For Household Furnishings, Including, Furniture and Floor Coverings. 7,259; Mar. 25.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Sætre Kjeksfabrik, Christiania, Norway. Biscuit. 172,025; Mar. 25.
Absorene Manufacturing Company, The, St. Louis, Mo. Periodical publication. 190,439; Mar. 25.
Acme Mills, The, doing business as Kentucky Milling Co., Hopkinsville, Ky. Self-rising flour. 191,802; Mar. 25.
Acme Mills, The, doing business as Kentucky Milling Co., Hopkinsville, Ky. Wheat flour. 191,803–4; Mar. 25.
Adelson, Abe N., New York, N. Y. Women's hats. 189,545; Mar. 25.
Alderman, Fairchild Company, Rochester, N. Y. Game known as pegoheart. 192,000; Mar. 25.
American Drug & Press Association, Decorah, Iowa. Preparation for the treatment of stomach trouble, etc. 191,357; Mar. 25.
American Lead Pencil Company, New York, N. Y. Lead pencils. 175,592; Mar. 25.
American Packing Company, Everett, Wash. Canned salmon. 189,293; Mar. 25.
American Printing Company, Fall River, Mass. Cotton piece goods. 191,214; Mar. 25.
American Printing Company, doing business as M. C. D. Borden & Sons, Fall River, Mass. Cotton piece goods. 187,192; Mar. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Anchor Paper Company, The, Cincinnati, Ohio. Wrapping paper. 168,246; Mar. 25.
Anheuser-Busch, Inc., St. Louis, Mo. Gluten feed. 192,055; Mar. 25.
Arnold, F. R., & Co., New York, N. Y. Soaps. 191,160; Mar. 25.
Asbell, Mellege S., doing business as Romero Drug Co., El Paso, Tex. Laxative pills. 190,370; Mar. 25.
Aspegren & Co. Inc., New York, N. Y. Lard substitutes. 188,399; Mar. 25.
Atlantic Stores Corporation, Memphis, Tenn. Sulphur, turpentine, alum, aspirin, etc. 184,056; Mar. 25.
Barker, F. A., Santa Monica, Calif. Motor-vehicle radiators and parts thereof. 190,567; Mar. 25.
Beardmore & Co., Toronto, Ontario, Canada. Leather. 154,982; Mar. 25.
Benchley, W. L., doing business as Benchley Fruit Co., Fullerton, Calif. Fresh citrous fruits. 187,560; Mar. 25.
Benzetol Chemical Company, The. (See Kriener, Ralph P.)
Bibby, J., & Sons Limited, Liverpool, England. Common and toilet soaps. 168,571; Mar. 25.
Bigelow-Hartford Carpet Co., Clinton, Mass.; Thompsonville, Conn.; and New York, N. Y. Textile carpets and rugs. 191,052; Mar. 25.
Bockmann, Louis F., Chicago, Ill. Folders or greeting cards. 180,921; Mar. 25.
Bolway Company Inc., The, Syracuse, N. Y. Footwear. 158,379; Mar. 25.
Booth, F. E., Co., San Francisco, Calif. Canned fruits, vegetables, and fish. 184,709; Mar. 25.
Borden, M. C. D., & Sons. (See American Printing Company.)
Bran-U Auto Polish Co., Los Angeles, Calif. Polishing of woodwork, household furniture, and automobiles. 152,828; Mar. 25.
Brownley, Walter, Washington, D. C. Balancing figure toys. 191,219; Mar. 25.
Buckeye Brass & Mfg. Co., The, Cleveland, Ohio. Bronze bar stock, cored and solid. 186,348; Mar. 25.
Burton, James E., Indianapolis, Ind. Title for periodical. 189,963; Mar. 25.
Calajoe, Anthony J., New York, N. Y. Glandular preparation. 191,163; Mar. 25.
California Cyanide Company, Los Angeles, Calif. Sodium cyanide. 191,220; Mar. 25.
Carbo-Septic Corporation, Rahway, N. J. Medical compound for use as a gargle. 191,221; Mar. 25.
Caron Corporation, New York, N. Y. Toilet powder. 190,767; Mar. 25.
Carton Can Corporation, Chicago, Ill. Ice cream, ices, sherbets, etc. 167,226; Mar. 25.
Cheratan, F., and Son, Limited, London, England. Tobacco pipes. 191,302; Mar. 25.
Cloverleaf Milker Company, The, Urbana, Ind. Milking machines and pumping outfits and parts thereof. 189,240; Mar. 25.
Cole, Clarence W., doing business as C. W. Cole & Company, Los Angeles, Calif. Metallic electric-light reflectors. 182,203; Mar. 25.
Cork Import Corporation, New York, N. Y. Cork board. 190,236; Mar. 25.
Crofut & Knapp Company, The, South Norwalk, Conn. Men's hat and caps. 190,403; Mar. 25.
Cromwell Co-operative Creamery Association, Cromwell, Minn. Butter. 191,751–2; Mar. 25.
Crown Malt Extract Co. (See Friedman, David.)
Cumberland Tobacco Works, Nashville, Tenn. Smoking and chewing tobacco. 145,057; Mar. 25.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Pastes and powders for the teeth and skin, and perfumery. 186,112; Mar. 25.
Delaney, Peter, doing business as Delaney & Young, Eureka, Calif. Beverage sold as a soft drink. 191,371; Mar. 25.
Delatour Beverage Corporation, New York and Long Island City, N. Y. Ginger ale. 191,765; Mar. 25.
De Normandie, John H., doing business as Naselmo Products Company, Brooklyn, N. Y. Embalming supplies. 190,873; Mar. 25.
Detroit Steel Products Company, Detroit, Mich. Vehicle springs. 189,153; Mar. 25.
Dietz, R. E., Company, New York, N. Y. Glass globes for lanterns. 191,758; Mar. 25.
Draper, Luther O., doing business as Luther O. Draper Shade Company, Spiceland, Ind. Cotton duck used in the manufacture of window shades. 188,992; Mar. 25.
Durand-McNeil-Horner Co., Chicago, Ill. Root beer, grape juice, etc. 191,821; Mar. 25.
Epstein, H. & L., Inc., St. Louis, Mo. Vacuum jugs and bottles. 190,497; Mar. 25.
Escher & Yetter Manufacturing Company, assignor to Instant Chocolate, Incorporated, Waterloo, Iowa. Prepared milk chocolate. 183,966; Mar. 25.
Er-Go Co., Atlanta, Ga. Carbon remover. 191,263; Mar. 25.
Fair, The, Chicago, Ill. Soap. 164,883; Mar. 25.
Fearon, Daniel Company, The, Wilmington, Del., and Shanghai, Tientsin, and Hankow, China. Nuts and nut meats. 170,243; Mar. 25.
Federal Pressed Steel Company, Milwaukee, Wis. Bumpers. 191,064; Mar. 25.
Fieth, Clarence W., doing business as Fieth Brothers, Kansas City, Mo. Preparation for dressings, cleaners, and polishes for shoes. 176,310; Mar. 25.
Fisher Builders Supply Company, Covington, Ky. Stucco. 178,172; Mar. 25.
Fitz Gibbon, F., & Co., New York, N. Y. Leather gloves. 185,249; Mar. 25.
Florence Manufacturing Company, Northampton, Mass. Hand mirrors. 164,586; Mar. 25.
Fort Wayne Drug Company, Fort Wayne, Ind. Pharmaceutical preparation for the treatment of diseases of the skin, etc. 164,412; Mar. 25.
Fort Worth Chamber of Commerce, Fort Worth, Tex. Fresh preserved, pickled, and dried cantaloupe. 186,619; Mar. 25.
Frankel, B., Company, Incorporated, The, New York, N. Y. Hair nets made of human hair. 188,674; Mar. 25.
Freezecrat Container Co., The. (See Peterson, Stavros F.)
Friedman, David, doing business as Crown Malt Extract Co., Chicago, Ill. Malt beverages, extracts, and liquors. 160,883; Mar. 25.
G. L. P. Co. Inc., New York, N. Y. Canned and bottled salad oil. 190,095; Mar. 25.
Gem-Dandy Garter Company, Madison, N. C. Suspenders, belts, and arm bands. 174,771; Mar. 25.
General Aluminum Company, Knoxville, Tenn. Dairy pans, teakettles, double boilers, coffeepots, etc. 179,935; Mar. 25.
General Chemical Company, New York, N. Y. Insecticides and fungicides. 190,681; Mar. 25.
General Phonograph Corporation, New York, N. Y. Talking-machine and phonograph records. 157,268; Mar. 25.
Gibson, Guy T., Incorporated, New York, N. Y. Toilet lotions; face, talcum, and sachet powders; face creams, etc. 183,916–17; Mar. 25.
Gladding Dry Goods Co., Providence, R. I. Boots, shoes, slippers, overshoes, and rubbers. 188,960; Mar. 25.
Goodrich, B. F., Company, The, New York, N. Y. Belting and sheet packing. 185,080; Mar. 25.
Goodwin Laboratories, St. Paul, Minn. Liquid cleansing cream. 191,227; Mar. 25.
Governor Fastener Company, The, New York, N. Y. Belts, belting, and elastics. 189,402; Mar. 25.
Grafoleum Products Co. (See Harrell, C. E.)
Graham Paper Company, St. Louis, Mo. Wrapping paper. 188,302; Mar. 25.
Greensboro Pepsi Cola Bottling Company, Greensboro, N. C. Ginger ale. 191,431; Mar. 25.
Griscom-Russell Company, The, New York, N. Y. Fin-tube heat exchangers. 187,813; Mar. 25.
Gristede Bros. Inc., New York, N. Y. Canned vegetables. 170,285; Mar. 25.
Gradziasz, Stanislaw, Seymour, Conn. Wound-healing salve. 191,016; Mar. 25.
Gruendler Patent Crusher and Pulverizer Company, St. Louis Mo. Beaters, grinders, and shredders. 174,205; Mar. 25.
H. M. G. Cigar Company, La Grange, Ga. Cigarettes, cigars, and smoking tobacco. 192,478; Mar. 25.
Hale, Jonathan, & Sons, Ionia, Mich. Self-rising flour. 191,959; Mar. 25.
Hall, Harvey H., doing business as H. H. Hall Company and Hallworthy Poultry Farm, Elyria, Ohio. Baby chickens. 171,337; Mar. 25.
Hallworthy Poultry Farm. (See Hall, Harvey H.)
Harmon, Otto E., Kiowa, Kans. Epsom-salts tablets. 191,017; Mar. 25.
Harrell, C. E., doing business as Grafoleum Products Co., Kansas City, Mo. Lubricating oils and greases. 183,147; Mar. 25.
Harrison, G. Charter, Associates, New York, N. Y. Prints, drawings, charts, diagrams, etc. 189,403–4; Mar. 25.
Hausmann A.-G. Schweiz, Medizinal- & Sanitätsgeschäft St. Gallen, St. Gall, Switzerland. Preparations of fats, lipoids, and waxes for use in the treatment of tuberculosis. 185,020; Mar. 25.
Hemmerdinger, J. H., & Son, Brooklyn, N. Y. Belt lacing. 183,831; Mar. 25.
Hind & Harrison Plush Co., The, Clark Mills and New York, N. Y. Plushes in the piece. 190,544; Mar. 25.
Hinrichs, George F., Inc., New York, N. Y. Butter, eggs, cheese, and dressed poultry. 167,983; Mar. 25.
Holland-O'Neal Milling Co., Mount Vernon and Springfield, Mo. Wheat flour. 190,589; Mar. 25.
Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits and vegetables, dried fruits, and canned fish. 186,476; Mar. 25.
Hylyte Laboratories. (See Hyre and Arentz.)
Hyre and Arentz, doing business as Hylyte Laboratories, Chicago, Ill. Battery solution. 189,621; Mar. 25.
Imperial Sales Co. (See Kan, Louis S.)
Indiana Manufacturing & Electric Co., Marion, Ind. Rear-view mirrors. 190,787; Mar. 25.
Instant Chocolate, Incorporated. (See Escher & Yetter Manufacturing Company, assignor.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

International Company, The, Baltimore, Md. Egg-white preparation in powdered form. 159,317; Mar. 25.
International Shoe Company, St. Louis, Mo. Shoes and slippers. 189,854; Mar. 25.
International Shoe Company, doing business as Peter's Shoe Company, St. Louis, Mo. Children's shoes. 187,814; Mar. 25.
Iodyl Associated Chemists, Inc., Brooklyn, N. Y. Disinfectant. 190,594; Mar. 25.
Iodyl Associated Chemists, Inc., Brooklyn, N. Y. Healing ointment. 190,595; Mar. 25.
Isaac, Columbus W., Sacramento, Calif. Palliative for rheumatism, neuralgia, sore muscles, etc. 188,011; Mar. 25.
Jacobs, Elliot A., New York, N. Y. Lip sticks. 175,793; Mar. 25.
Jacobsen, Mark P., Company, Chicago, Ill. Fresh bananas, oranges, apples, pears, etc. 185,592; Mar. 25.
Johnson, Fred, De Ridder, La. Bread. 191,963; Mar. 25.
Johnson & Whiting, Oakwood, Tex. Insecticide. 190,970; Mar. 25.
Kan, Louis S., doing business as Imperial Sales Co., New York, N. Y. Hosiery. 151,802; Mar. 25.
Kaufmann Bros. & Sondy, New York, N. Y. Smokers' pipes, cigar and cigarette holders. 189,314; Mar. 25.
Kayser, Julius, & Co., New York, N. Y. Cotton, silk, cotton and silk, and art-silk piece goods. 189,506; Mar. 25.
Kentucky Milling Co. (See Acme Mills.)
Kiddie-Town Products, Inc., Seneca Falls, assignor to E. M. Trimble Mfg. Co., Rochester, N. Y. Infants' folding bathtubs and combination bath cabinets and tubs. 156,066; Mar. 25.
Kiddie-Town Products, Inc., Seneca Falls, assignor to E. M. Trimble Mfg. Co., Rochester, N. Y. Infants' folding bathtubs and combination bath cabinets and tubs. 156,068; Mar. 25.
Knoxville Fertilizer Company, Knoxville, Tenn. Fertilizer. 187,745; Mar. 25.
Kober, Fritz, doing business as Wilh. Kober & Co., Suhl, Thuringia, Germany. Hair-cutting machines, shaving outfits, razor blades, etc. 158,275; Mar. 25.
Kriener Ralph P., doing business as The Benseto1 Chemical Company, Flint, Mich. Healing, antiseptic, astringent, and protective ointment. 182,918; Mar. 25.
Kubler, George A., New York, N. Y. Matrix, dry mat, or board used in stereotyping and electrotyping. 190,792; Mar. 25.
Kwik-Set Company, Pasadena, Calif. Powdered preparation to quickly make jams, jellies, with the addition of sugar and fruit juices. 187,467; Mar. 25.
La Borie, Louis, Rochester, N. Y. Table game. 181,629; Mar. 25.
Laun, Margarete, Munich, Germany. Fat-reducing remedy. 188,096; Mar. 25.
Levin, Abraham I., doing business as Rawhide Products Distributing Co., Kenilworth, N. J. Rubber tires, inner tubes, tire tapes, etc. 187,630; Mar. 25.
Lewis, A. L., Birmingham, Ala. Candles. 190,693; Mar. 25.
Lightfoot Schultz Company, Hoboken, N. J. Soaps suitable for use upon [illegible]. 182,930; Mar. 25.
Lilly, Eli, and Company, Indianapolis, Ind. Organic iodine compound. 191,239; Mar. 25.
Loewenstein, Hermann, New York, N. Y. Gold and silver leather. 188,216; Mar. 25.
Lombard, Elgia D., Holyoke, Mass. Packing and pump seats. 189,415; Mar. 25.
Lundy Cheese Company, Inc., Myrtle Point, Oreg. Cream cheese. 190,073; Mar. 25.
Luxor Cab Mfg. Corp., New York, N. Y. Automobiles and automobile accessories. 188,492; Mar. 25.
Mack Products Co. (See McKeown, Charles H.)
Mackechnie Bread Company, Los Angeles, Calif. Bread. 156,098; Mar. 25.
Maddock, Arthur G., doing business as Monrovia Mutual Association, Duarte, Calif. Fresh citrous fruits. 191,965; Mar. 25.
Marshall Field & Company, Chicago, Ill. Zephyr ginghams in the piece. 191,375; Mar. 25.
Master Woodworker Mfg. Co., The, Detroit, Mich. Woodworking machines. 190,735; Mar. 25.
McKeown, Charles H., doing business as Mack Products Co., Cleveland, Ohio. Preparation for the treatment of chest colds, bronchitis, sore throat, etc. 190,509; Mar. 25.
Mead Johnson & Company, Evansville, Ind. Cereal breakfast foods. 191,552; Mar. 25.
Medico-Dental Specialty Co., San Diego, Calif. Tooth paste, tooth-stain remover, and pyorrhea treatment. 190,116; Mar. 25.
Merton, Charles S., & Co., East Rutherford, N. J. Hats and caps. 183,047; Mar. 25.
Michigan Tanning & Extract Company, Petoskey, Mich. Leather. 185,483; Mar. 25.
Midland Chemical Company, Chicago, Ill. Lithopone. 191,234; Mar. 25.
Miller, Myrna D., Los Angeles, Calif. Pennants. 178,401; Mar. 25.
Millers Falls Company, Millers Falls, Mass. Hand drills and screw drivers. 188,021; Mar. 25.
Mme. Emely. (See Schwartz, Malcia E.)
Monrovia Mutual Association. (See Maddock, Arthur G.)
Morgan, John A., Machinery Company, The, Los Angeles, Calif. Pumps and fluid-pressure motors. 179,547; Mar. 25.
Murray Trading Company, Inc., New York, N. Y. Cotton pongee in the piece. 191,550; Mar. 25.
Naselmo Products Company. (See De Normandie, John H.)
National Aniline & Chemical Company, Incorporated, New York, N. Y. Coal-tar dyestuffs. 190,702; Mar. 25.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, wafers, crackers, cakes, and cookies. 186,128; Mar. 25.
National Dermatological Institute. (See Philes, William E.)
National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,552–4; Mar. 25.
National Paper Products Company, San Francisco, Calif., and Carthage, N. Y. Toilet tissue paper. 191,556–60; Mar. 25.
New Albany Veneering Company, New Albany, Ind. Built-up or veneered tops, panels, and plywood. 152,870; Mar. 25.
Newton Falls Paper Company, Newton Falls and New York, N. Y. Bond and ledger paper. 186,245; Mar. 25.
Nielsen Packing Co., San Francisco, Calif. Canned fruits and vegetables. 181,849; Mar. 25.
Opple Hat Company, Chicago, Ill. Ladies' hats. 189,133; Mar. 25.
Orodino, Antonio, doing business as Antonio Orodino & Co., New York, N. Y. Macaroni. 172,488; Mar. 25.
Panther Rubber Manufacturing Company, Stoughton, Mass. Rubber heels and soles. 187,531–2; Mar. 25.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parfumerie de la Société Hygiénique Cottan-Porte & Cie., Paris, France. Soap. 183,493; Mar. 25.
Payne, George T., Sacramento, Calif. Cora remedy. 187,637; Mar. 25.
Peck, George J., Davenport, Iowa. Nonfreezing and nonevaporating automobile radiator solution. 189,069; Mar. 25.
Peter's Shoe Company. (See International Shoe Company.)
Peterson, Stavros F., doing business as The Freesocrat Container Co., New London, Conn. Ice-cream-packing receptacles. 190,985; Mar. 25.
Peverly, George W., Oxnard, Calif. Root beer. 188,253; Mar. 25.
Phenix Shoe Mfg. Co., The, Milwaukee, Wis. Leather shoes. 189,268; Mar. 25.
Philes, William E., doing business as National Dermatological Institute, Washington, D. C. Face creams, lotions, powders, and hair tonic. 184,796; Mar. 25.
Phillips-Jones Corporation, New York, N. Y. Cotton piece goods. 191,238; Mar. 25.
Pollack, Essye K., New York, N. Y. Bust confiners for medical purposes. 188,566; Mar. 25.
Premier Motors, Incorporated, Indianapolis, Ind. Automobiles. 190,205–6; Mar. 25.
Press Publishing Company, New York, N. Y. Title of a colored comic page. 187,693; Mar. 25.
Quisenberry Feed Mfg. Co., Kansas City, Mo. Dairy feed. 182,994; Mar. 25.
Rainbow Dash-Light Co., Berwyn, Ill. Metallic lamp caps, globes, and shades. 189,374; Mar. 25.
Rawhide Products Distributing Co. (See Levin, Abraham I.)
Reel, Geo. H., Los Angeles, Calif. Gloves made of leather or fabric. 177,867; Mar. 25.
Remilier Co., The, New York, N. Y. Face powder. 191,979; Mar. 25.
Rieser Company, Inc., The, New York, N. Y. Hair nets. 189,915; Mar. 25.
Roberts Bros. & Company, Zolfo, Fla. Fresh fruits. 190,610; Mar. 25.
Romero Drug Co. (See Asbell, Mellege S.)
Ryerson Crane, Inc., Chicago, Ill. Oil burners and regulators, etc. for oil burners. 171,285; Mar. 25.
S & J Piston Ring Company, The. (See Sprecher, Charles G.)
Sabini, Clemente, doing business as Clemente Sabini & Co., Tampa, Fla. Cigarettes. 189,141; Mar. 25.
Sanitary Food Manufacturing Co., St. Paul, Minn. Candy. 187,770; Mar. 25.
Schlesinger, Moritz, New York, N. Y. Tooth paste. 190,746; Mar. 25.
Schranck, H. C., Company, Milwaukee, Wis. Beverages sold as soft drinks and syrups used in preparation of same. 191,841; Mar. 25.
Schreiber Products Corporation, Buffalo, N. Y. Coffee. 191,720; Mar. 25.
Schwalge-Smith Company, The, Elmhurst, Ill. Incubators. 187,491; Mar. 25.
Schwartz, Malcia E., doing business as Mme. Emely, New York, N. Y. Wearing garments which are surgical, sport, elastic corsets, etc. 186,570; Mar. 25.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Seabrook Company, Bridgeton, N. J. Fresh stone and pome fruits, strawberries, vegetables, and fruit pulp. 172,294; Mar. 25.
Simpson's (S. A.) Limited, Johannesburg, Transvaal, South Africa. Rubber heels, soles, and heel tips. 189,207–8; Mar. 25.
Smith, J., & Son (Redditch) Ltd., Redditch, England. Pins, needles, crochet hooks, bodkins. 185,266; Mar. 25.
Societe Guerlain, Paris, France. Perfumes. 183,768; Mar. 25.
Sommer-Peizer Co., Cincinnati, Ohio. Handkerchiefs. 191,792; Mar. 25.
Sophia Hair Stores Company, New York, N. Y. Soaps and soap preparations. 190,941; Mar. 25.
Sprecher, Charles G., doing business as The S & J Piston Ring Company, Baltimore, Md. Piston rings. 188,448; Mar. 25.
Standard Brick & Tile Company, Portland, Oreg. Art tile and roof tiles. 185,629; Mar. 25.
Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Plumbing fixtures. 186,727; Mar. 25.
Star Suspender & Garter Co., The, New York, N. Y. Garment supporters, suspenders, and garters. 190,134; Mar. 25.
Starr, Henry E., Philadelphia, Pa. Books. 188,074; Mar. 25.
Stavin, Zena, New York, N. Y. Face powder. 190,392; Mar. 25.
Steinfels Frères & Co., Vincennes, France. Soaps. 191,284–5; Mar. 25.
Sterling Engine Co., Buffalo, N. Y. Internal-combustion engines. 188,338; Mar. 25.
Stultz, Melvin H., Los Angeles, Calif. Prepared chili paste. 178,303; Mar. 25.
Sussman, Wormser & Co., San Francisco, Calif. Canned fruits and vegetables. 192,045; Mar. 25.
Swift and Company, Chicago, Ill. Soap. 191,198; Mar. 25.
Taylor Corporation, The, Los Angeles, Calif. Canned fruits and vegetables. 191,924; Mar. 25.
Taylor, Georgia C., Charlotte, N. C. Coating compound for increasing the wearing properties of fabrics. 183,543; Mar. 25.
Taylor & Taylor, Harrods Creek, Ky. Badges and emblem buttons. 183,780; Mar. 25.
Tennessee Furniture Corporation, Chattanooga, Tenn. Refrigerators. 191,288–9; Mar. 25.
Tension Envelope Company, Inc., New York and Brooklyn, N. Y. Mailing envelopes. 191,648; Mar. 25.
Tierney, Lawrence E., Fuel Company, Bluefield, W. Va. Coal. 184,195; Mar. 25.
Trimble, E. M., Mfg. Co. (See Kiddie-Town Products, Inc., assignor.)
United Rubber and Leather Company, Boston, Mass. Boots and shoes. 187,889; Mar. 25.
United Sanitary Products Company, Inc., New York, N. Y. Liquid soap. 174,498; Mar. 25.
Von Tilzer, Rose, St. Paul, Minn. Scalp tonic. 189,485; Mar. 25.
Wagner, Marie C., New York, N. Y. Powder that deodorizes and checks perspiration. 178,419; Mar. 25.
Wainath, H. J., & Sons, Conneaut, Ohio. Insecticides and fungicides. 189,826; Mar. 25.
Wamcalt Chemical Company, Lowell, Mass. Lactic acid, ammonia, and bisulphide of soda. 173,155; Mar. 25.
Warner, Woodman Co., Inc., Manchester, N. H. Hair shampoo. 189,742; Mar. 25.
Washington Millinery Co., Seattle, Wash. Ladies' hats. 189,147; Mar. 25.
Weil, Leon, Chicago, Ill. Bakery goods. 183,544; Mar. 25.
Weston, Clifford L., doing business as C. L. Weston Co., Plainfield, N. J. Pure fruit jelly compound. 190,395–6; Mar. 25.
Wilensky, H., & Sons, Atlanta, Ga. Shoes. 170,943; Mar. 25.
Wilkinson, Harris C., Los Angeles, Calif. Chewing gum. 178,889; Mar. 25.
Winthrop Chemical Company, Inc., New York, N. Y. Soporific medicine. 190,397; Mar. 25.
Wobst Shoe Company, Milwaukee, Wis. Boots and shoes. 188,305; Mar. 25.
Wolverine Supply & Manufacturing Co., Pittsburgh, Pa. Chance-controlled game. 190,663; Mar. 25.
Woolson Spice Co., The, Toledo, Ohio. Coffee. 146,056; Mar. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Leather. Slattery Bros. 181,635; Mar. 25; Serial No. 188,140; published Jan. 1, 1924.
Ores, Zircon. E. Rietz. 181,668; Mar. 25; Serial No. 180,406; published Jan. 8, 1924.
Skins, Chamois. Henry Koerner & Company. 181,577; Mar. 25; Serial No. 187,871; published Jan. 1, 1924.
Skins, Lamb. M. Dreiwitz. 181,723; Mar. 25; Serial No. 185,921; published Jan. 1, 1924.

CLASS 2.

Boxes. F. J. Kress Box Company. 181,640; Mar. 25; Serial No. 188,211; published Jan. 8, 1924.
Cans, can covers, hampers, barrels, etc. New York Standard Ash Can Manufacturing Company. 181,842; Mar. 25.
Containers for ice cream, Shipping. J. R. Ellis. 181,551; Mar. 25; Serial No. 187,409; published Jan. 8, 1924.
Receptacles, Oil-containing. Eagle Manufacturing Company. 181,778; Mar. 25; Serial No. 186,421; published Jan. 8, 1924.

CLASS 3.

Purses and wallets, Leather key and coin. Nev-A-Hone Razor Strop Company. 181,563; Mar. 25; Serial No. 187,587; published Jan. 8, 1924.
Trunks. Universal Trunk Company. 181,829; Mar. 25.
Trunks, Wardrobe. Seward Trunk and Bag Company. 181,665; Mar. 25; Serial No. 183,277; published Jan. 8, 1924.

CLASS 4.

Abrasive paper and cloth. H. H. Barton & Son Co. 181,554; Mar. 25; Serial No. 187,451; published Jan. 1, 1924.
Cleansing powder. P & M Products Company. 181,767; Mar. 25; Serial No. 187,069; published Jan. 1, 1924.
Paper, emery cloth, etc., Garnet polishing. H. H. Barton and Son Co. 181,757; Mar. 25; Serial No. 187,193; published Jan. 1, 1924.
Polish and stove enamel, Stove. O. C. Becker. 181,766; Mar. 25; Serial No. 187,080; published Jan. 1, 1924.
Polish, Stove. W. S. Montgomery. 181,567; Mar. 25; Serial No. 187,690; published Jan. 1, 1924.
Polish, Stove and shoe. Mrs. M. Frizzell. 181,564; Mar. 25; Serial No. 187,619; published Jan. 1, 1924.
Soap. J. B. Williams Company. 181,828; Mar. 25; Serial No. 186,767; published Jan. 8, 1924.
Soap, Liquid. F. L. Emmert. 181,552; Mar. 25; Serial No. 187,411; published Jan. 1, 1924.
Soap, Shredded. Cudahy Packing Company. 181,852; Mar. 25.

CLASS 5.

Adhesive. Robeson Process Company. 181,712; Mar. 25; Serial No. 186,084; published Jan. 8, 1924.
Adhesives and sizings. Arabol M'f'g Co. 181,634; Mar. 25; Serial No. 188,103; published Jan. 8, 1924.
Sizes, Wall. M. D. Swartz. 181,731; Mar. 25; Serial No. 186,809; published Jan. 8, 1924.

CLASS 6.

Ammonia and bluing. Kroger Grocery & Baking Co. 181,755; Mar. 25; Serial No. 187,223; published Jan. 8, 1924.
Anæsthetic, Local. D. Curtis. 181,821; Mar. 25; Serial No. 186,742; published Jan. 8, 1924.
Anodyne for relief of indigestion, catarrh, etc. Sampson Medicine Company. 181,846; Mar. 25.
Aspirin. Standard Laboratories. 181,590; Mar. 25; Serial No. 186,610; published Jan. 8, 1924.
Baking powder. John Sexton and Company. 181,571; Mar. 25; Serial No. 187,772; published Jan. 1, 1924.
Bitters and tonic, Wine. J. L. Val. 181,673; Mar. 25; Serial No. 170,232; published Jan. 1, 1924.
Bleaching preparations, mordants, acids, etc. R. Schmidt. 181,623; Mar. 25; Serial No. 187,424; published Jan. 8, 1924.
Blood purifier, Golden Age Remedy Co. 181,680; Mar. 25; Serial No. 185,656; published Jan. 8, 1924.
Blue, Wash. Siemon & Etting. 181,802; Mar. 25; Serial No. 183,047; published Jan. 8, 1924.
Bug powder. A. Nussey. 25,058; renewed July 24, 1924.
Chemical preparation for the treatment of hair. National Products Co. 181,613; Mar. 25; Serial No. 186,663; published Jan. 8, 1924.
Chemicals. Truempy, Fassy & Beathoff, Inc. 181,664; Mar. 25; Serial No. 182,948; published Jan. 8, 1924.
Cod-liver-oil preparation. Fairchild Bros. & Foster. 181,826; Mar. 25; Serial No. 186,744; published Jan. 8, 1924.
Compound for removing scale from steam boilers. J. Q. Gill. 181,824; Mar. 25; Serial No. 186,781; published Jan. 8, 1924.
Compounds for the prevention of freezing and boiling of water in radiators, Liquid. Carbide & Carbon Chemicals Corporation. 181,657; Mar. 25; Serial No. 188,406; published Jan. 8, 1924.

Cough drops. Candy. Estate of Chas. F. Adams. 181,647; Mar. 25; Serial No. 188,298; published Jan. 8, 1924.
Cough sirup. Marnita Chemical Co. 181,762; Mar. 25; Serial No. 187,115; published Jan. 8, 1924.
Cream, Cold. K. Isaac. 181,633; Mar. 25; Serial No. 188,095; published Jan. 1, 1924.
Cream, Complexion. J. Farrelly. 181,682; Mar. 25; Serial No. 185,695; published Jan. 8, 1924.
Cream, Hand. Bertin Manufacturing Company. 181,641; Mar. 25; Serial No. 188,229; published Jan. 1, 1924.
Cream, Reducing. E. Gallardo. 181,776; Mar. 25; Serial No. 186,549; published Jan. 1, 1924.
Creams and shampoos, Toilet. R. A. Kraus. 181,669; Mar. 25; Serial No. 179,475; published Jan. 1, 1924.
Creams, bath powders, lip rouge, etc., Skin and tissue. Richard Hudnut. 181,742; Mar. 25; Serial No. 186,907; published Jan. 8, 1924.
Depilatory and superfluous-hair remover. G. D. Snasdell. 181,749; Mar. 25; Serial No. 187,024; published Jan. 8, 1924.
Embalming fluid, Concentrated cavity. Embalmers' Supply Company. 181,[illegible]; Mar. 25; Serial No. 188,190; published Jan. 8, 1924.
Engines. Compound for removing carbon, etc., from internal-combustion. V. A. Shortt. 181,603; Mar. 25; Serial No. 156,663; published June 5, 1923.
Eyebrows and eyelashes, Darkener for. Maybelline Company. 181,549; Mar. 25; Serial No. 187,333; published Dec. 25, 1923.
Gland compound. Elkins Medicine Co. 181,629; Mar. 25; Serial No. 188,046; published Jan. 1, 1924.
Hair dye. Canute Co. 181,779; Mar. 25; Serial No. 186,412; published Jan. 1, 1924.
Hair tonic. Lewis Bros., Inc. 181,584; Mar. 25; Serial No. 187,872; published Jan. 1, 1924.
Insecticides. M. Isaacs. 181,756; Mar. 25; Serial No. 187,216; published Jan. 8, 1924.
Laxative, Saline. S. B. Ganow. 181,752; Mar. 25; Serial No. 187,251; published Jan. 8, 1924.
Liniments, medicinal preparations, etc. Furst-McNess Company. 181,794; Mar. 25; Serial No. 183,267; published Jan. 1, 1924.
Lotion for mouth and throat. Bafaline Laboratories, Inc. 181,573; Mar. 25; Serial No. 187,788; published Jan. 1, 1924.
Medicine. A. S. Reed. 181,783; Mar. 25; Serial No. 186,293; published Jan. 1, 1924.
Medicine for animals. Fox River Farm Laboratories. 181,648; Mar. 25; Serial No. 188,300; published Jan. 8, 1924.
Medicine for cancer, ulcer, blindness, dry throat, catarrh, etc. P. Bond. 181,765; Mar. 25; Serial No. 187,085; published Jan. 8, 1924.
Medicine for hay fever, etc. C. W. Haller. 181,747; Mar. 25; Serial No. 186,993; published Jan. 8, 1924.
Medicine for headache, colds, etc. E. A. Mierke. 181,874; Mar. 25.
Medicine for the treatment of nasal catarrh, cold in the head, etc. C. H. McCully. 181,670; Mar. 25; Serial No. 178,859; published Jan. 8, 1924.
Medicine for tuberculosis, diphtheria, etc. S. A. D. Seiber. 181,704; Mar. 25; Serial No. 185,540; published Jan. 8, 1924.
Mouth wash, etc., Antiseptic for. G. Seelman, jr. 181,701; Mar. 25; Serial No. 185,500; published Jan. 8, 1924.
Oils, Medicinal. Standard Oil Company of New York. 181,653; Mar. 25; Serial No. 188,382; published Jan. 8, 1924.
Ointment, Healing. E. W. Kirkham. 181,685; Mar. 25; Serial No. 182,829; published Jan. 8, 1924.
Perfume, toilet water, talcum powder, etc. Cheramy, Inc. 181,678; Mar. 25; Serial No. 185,564; published Jan. 8, 1924.
Perfumes. Colgate & Company. 181,822; Mar. 25; Serial No. 186,775; published Jan. 8, 1924.
Perfumes. Remilier Co. 181,771; Mar. 25; Serial No. Serial No. 186,569; published Jan. 8, 1924.
Perfumes and toilet waters. United Drug Company. 181,808; Mar. 25; Serial No. 184,370; published Jan. 8, 1924.
Perfumes, toilet waters, face powders, etc. Cheramy, Inc. 181,739; Mar. 25; Serial No. 186,872; published Jan. 8, 1924.
Peroxide of hydrogen. Schuylkill Chemical Company. 181,687; Mar. 25; Serial No. 182,012; published Jan. 8, 1924.
Pharmaceutical preparation. Hudson Pharmacal Co. 181,730; Mar. 25; Serial No. 186,790; published Jan. 8, 1924.
Pharmaceutical preparation. A. C. Krapf. 181,609; Mar. 25; Serial No. 174,209; published Jan. 8, 1924.
Pharmaceutical preparation for treatment of colds. E. M. Hale. 181,697; Mar. 25; Serial No. 185,296; published Jan. 8, 1924.
Pharmaceutical preparations. Thacher Medicine Company. 181,705; Mar. 25; Serial No. 185,541; published Jan. 8, 1924.
Plastic dressing for relief of inflammation. Germicide Company. 181,843; Mar. 25.
Polish, Nail. I. Hubert. 181,729; Mar. 25; Serial No. 186,906; published Jan. 8, 1924.
Powder tablets, Tooth. L. Zarbaugh. 181,636; Mar. 25; Serial No. 188,142; published Jan. 8, 1924.
Powder, Toilet. J. D. Boyle. 181,621; Mar. 25; Serial No. 188,249; published Jan. 8, 1924.
Powders, Face. National Toilet Co. 181,630; Mar. 25; Serial No. 188,057; published Jan. 1, 1924.
Powders, Face. Yardley & Co. 181,644; Mar. 25; Serial No. 186,266; published Jan. 8, 1924.
Preparation for blind stagger, vertigo, etc., in cows, indigestion for mules, etc. E. L. Reid. 181,700; Mar. 25; Serial No. 185,495; published Jan. 8, 1924.
Preparation for gout, sciatica, lumbago, neuralgia, etc. Newbro Manufacturing Company. 181,651; Mar. 25; Serial No. 188,822; published Jan. 8, 1924.
Preparation for indigestion, Bright's disease, neuritis, etc. R. N. Gaddy. 181,660; Mar. 25; Serial No. 188,475; published Jan. 8, 1924.
Preparation for miners' consumption. F. S. Caples. 181,587; Mar. 25; Serial No. 186,875; published Jan. 1, 1924.
Preparation for sore throat and tonsilitis. C. L. Wilson. 181,686; Mar. 25; Serial No. 182,380; published Jan. 8, 1924.
Preparation for the teeth. Marker Chemical Company. 181,772; Mar. 25; Serial No. 186,560; published Jan. 1, 1924.
Preparation for the treatment of la grippe, influenza, and colds. F. S. Caples. 181,589; Mar. 25; Serial No. 166,734; published Jan. 1, 1924.
Preparation for treatment of rheumatism. E. O. Cotton. 181,691; Mar. 25; Serial No. 181,384; published Jan. 1, 1924.
Preparation for treatment of the hands and feet, eczema, etc. O. Peterson. 181,702; Mar. 25; Serial No. 185,534; published Jan. 8, 1924.
Preparation used in the treatment of colds, pneumonia, influenza, croup, etc. Rex Chemical Co. 181,652; Mar. 25; Serial No. 188,326; published Jan. 8, 1924.
Rat poisons. Rat-Chek Co. 181,681; Mar. 25; Serial No. 185,674; published Jan. 8, 1924.
Remedy for phthisis, chloro-anemia and scrofula. B. de Toledo. 24,956; renewed July 3, 1923.
Rheumatic compound, female vigorator, antiseptic, etc. Van Vleet-Mansfield Drug Co. 181,619; Mar. 25; Serial No. 168,655; published Jan. 1, 1924.
Rouges, Cream. A. Martinez. 181,643; Mar. 25; Serial No. 188,249; published Jan. 8, 1924.
Sachet, tooth powder, cold cream, tooth paste, etc. Richard Hudnut. 181,611; Mar. 25; Serial No. 186,639; published Jan. 8, 1924.
Salt, baking soda, starch, lye, etc. Winston, Harper, Fisher Company. 181,754; Mar. 25; Serial No. 187,237; published Jan. 8, 1924.
Salve, Black Salve Co. 181,873; Mar. 25.
Salve, Healing. J. Kleven. 181,781; Mar. 25; Serial No. 186,327; published Jan. 1, 1924.
Shampoo. Van Ess Laboratories, Inc. 181,804; Mar. 25.
Shampoo and dandruff cure, Liquid. Pioneer Products Company. 181,769; Mar. 25; Serial No. 186,610; published Jan. 8, 1924.
Shampoos. J. Messina. 181,881; Mar. 25.
Silicate of soda and sal soda. Central Commercial Company. 181,735; Mar. 25; Serial No. 186,826; published Jan. 8, 1924.
Soda ash and caustic soda. Pittsburgh Plate Glass Company. 181,612; Mar. 25; Serial No. 171,510; published Jan. 8, 1924.
Spray, Fly. General Laboratories. 181,642; Mar. 25; Serial No. 188,239; published Jan. 1, 1924.
Tablets, Medicinal. Gibson-Howell Company. 181,775; Mar. 25; Serial No. 186,550; published Jan. 1, 1924.
Toilet water and extract. S. S. Pierce Co. 181,709; Mar. 25; Serial No. 186,154; published Jan. 15, 1924.
Tonic, Bowel and system. F. S. Caples. 181,592; Mar. 25; Serial No. 166,502; published Jan. 1, 1924.
Tonic, General. La Compagnie Gentin, Ltd. 181,841; Mar. 25.
Tonic, purgative, and liniment. L. W. Shellman. 181,701; Mar. 25; Serial No. 183,168; published Jan. 1, 1924.
Tonics for rebuilding and invigorating the glands of the body. E. L. Miller. 181,683; Mar. 25; Serial No. 185,760; published Jan. 8, 1924.
Tooth paste. W. C. Watkins. 181,819; Mar. 25; Serial No. 186,733; published Jan. 8, 1924.
Tungstate and tungstic acid, Sodium. Fansteel Products Company. 181,744; Mar. 25; Serial No. 186,952; published Jan. 8, 1924.
Water for treatment of hardening of the arteries, etc., Radioactive. R. H. Smith. 181,620; Mar. 25; Serial No. 168,550; published Jan. 8, 1924.
Water-softening material. H. C. Davis. 181,823; Mar. 25; Serial No. 186,777; published Jan. 8, 1924.

CLASS 8.

Pipes, cigar and cigarette holders. E. Ropp. 181,667; Mar. 25; Serial No. 180,498; published Nov. 13, 1923.

CLASS 11.

Inks. D. Gestetner Limited. 181,804; Mar. 25; Serial No. 183,969; published Jan. 1, 1924.

CLASS 12.

Plaster, lime, etc., Hard wall. Blue Diamond Materials Company. 181,671; Mar. 25; Serial No. 178,800; published Jan. 8, 1924.

CLASS 14.

Brass-plated zinc. American Nickeloid Company. 181,838; Mar. 25.

CLASS 15.

Fuels. Pennsylvania Synthetic Gas & Chemical Company. 181,598; Mar. 25; Serial No. 162,887; published Jan. 8, 1924.
Gasoline. R. W. Goodman. 181,622; Mar. 25; Serial No. 167,563; published Jan. 8, 1924.
Gasoline, Ohio Refining Company. 181,601; Mar. 25; Serial No. 162,310; published Jan. 9, 1924.
Gasoline. Pure Oil Company. 181,798; Mar. 25; Serial No. 183,229; published Jan. 8, 1924.
Gasoline. Standard Oil Company (New Jersey). 181,798; Mar. 25; Serial No. 183,675; published Jan. 8, 1924.
Gasoline, oils, and lubricating compounds. National Refining Company. 181,706; Mar. 25; Serial No. 180,063; published Jan. 8, 1924.
Grease, Lubricating. Martin Products Company. 181,588; Mar. 25; Serial No. 166,746; published Jan. 8, 1924.
Oil, Cutting. J. O. Gill. 181,825; Mar. 25; Serial No. 186,782; published Jan. 8, 1924.
Oil, Cutting tool lubricating. Crescent Oil Company. 181,708; Mar. 25; Serial No. 188,988; published Jan. 8, 1924.
Oils, Lubricating. New York & New Jersey Lubricant Co. 181,833; Mar. 25.

CLASS 16.

Bronze and aluminum powders, lacquers, dry colors, etc. H. Behlen & Bro. 181,696; Mar. 25; Serial No. 185,284; published Jan. 8, 1924.
Lacquers. Murphy Varnish Company. 181,650; Mar. 25; Serial No. 188,320; published Jan. 8, 1924.
Paint pigments. Eagle Paint & Varnish Works. 181,659; Mar. 25; Serial No. 188,473; published Jan. 8, 1924.
Paint, Semipaste. Minnesota Linseed Oil Paint Co. 181,608; Mar. 25; Serial No. 174,255; published Feb. 27, 1923.
Paints and varnishes. Ferbert-Schorndorfer Company. 181,602; Mar. 25; Serial No. 150,697; published Jan. 8, 1924.
Paints, Enamel. Standard Varnish Works. 181,695; Mar. 25.
Paints, paint enamels, and stains. General Paint and Varnish Company. 181,837; Mar. 25.
Paints, varnishes, etc. Standard Oil Company of New York. 181,654; Mar. 25; Serial No. 188,384; published Jan. 8, 1924.
Paints, varnishes, paint oils, putty. F. Byron. 181,801; Mar. 25; Serial No. 183,905; published Dec. 4, 1923.
Stain, Shingle. G. A. Heuer. 181,786; Mar. 25; Serial No. 186,230; published Jan. 8, 1924.
Varnish. H. H. Reed. 181,628; Mar. 25; Serial No. 187,959; published Jan. 8, 1924.

CLASS 17.

Cigarettes. P. A. Sarsam Co. 181,658; Mar. 25; Serial No. 188,441; published Jan. 1, 1924.
Cigarettes, cigars, and smoking tobacco. General Tobacco Company. 181,646; Mar. 25; Serial No. 187,308; published Jan. 1, 1924.
Cigars. Magnolia Cigar Co. 181,605; Mar. 25; Serial No. 148,083; published Jan. 8, 1924.
Cigars. R. Schwartz. 181,559; Mar. 25; Serial No. 187,492; published Jan. 1, 1924.
Cigars, cigarettes, and smoking tobacco. D. Rangavas & Co. 181,726; Mar. 25; Serial No. 185,840; published Jan. 1, 1924.

CLASS 19.

Automobile omnibuses. Yellow Cab Manufacturing Co. 181,714; Mar. 25; Serial No. 186,088; published Jan. 1, 1924.
Automobiles, boats, etc. Societe Anonyme des Anciens Etablissements Panhard & Levassor. 181,807; Mar. 25; Serial No. 184,306; published Jan. 8, 1924.
Radiator covers, windshield visors, etc. G. J. Seedman. 181,858; Mar. 25.
Tire carriers. International Stamping Co. 181,547; Mar. 25; Serial No. 187,314; published Jan. 1, 1924.
Trucks, Lifting. Clark Tructractor Company. 181,834; Mar. 25.

CLASS 21.

Alarm systems, Electrical. Simplex Alarm Company. 181,867; Mar. 25.
Batteries, Dry. National Carbon Company. 181,715; Mar. 25; Serial No. 186,024; published Dec. 18, 1923.
Batteries, Dry. National Carbon Company. 181,700; Mar. 25; Serial No. 183,040; published Dec. 18, 1923.
Batteries, Dry and storage. Advance Battery Mfg. Co. 181,675; Mar. 25; Serial No. 177,463; published Dec. 25, 1923.
Batteries, Electric storage. A. Setzer. 181,596; Mar. 25; Serial No. 164,129; published Apr. 24, 1923.
Batteries, Storage. Camel Dry Storage Battery Co. 181,594; Mar. 25; Serial No. 164,694; published June 26, 1923.
Batteries, Storage. Radio Storage Battery Co. 181,857; Mar. 25.
Cables, Rubber-covered electric wire. Seward Wire Company. 181,666; Mar. 25; Serial No. 181,317; published Dec. 18, 1923.
Electric-lighting outfits for Christmas trees, Decorative. General Electric Company. 181,613; Mar. 25; Serial No. 171,165; published Dec. 25, 1923.
Electrical instruments. Simplex Electrical Laboratories, Inc. 181,805; Mar. 25; Serial No. 184,107; published Dec. 18, 1923.
Lamp sockets. Betts Electric & Manufacturing Corporation. 181,883; Mar. 25.
Lamps, Automobile or vehicle electric. Doering Manufacturing Company. 181,787; Mar. 25; Serial No. 186,222; published Dec. 25, 1923.
Lamps, Automobile or vehicle electric. Doering Manufacturing Company. 181,792; Mar. 25; Serial No. 183,202; published Dec. 18, 1923.
Lamps, Electric. Art Lamp Mfg. Company. 181,885; Mar. 25.
Lighting-fixture clusters, Electrical. Benjamin Electric Manufacturing Company. 181,770; Mar. 25; Serial No. 186,583; published Dec. 25, 1923.
Lightning rods. Mast Lightning Rod Company. 181,851; Mar. 25.
Motors, Electric. Kimble Electric Company. 181,787; Mar. 25; Serial No. 186,844; published Dec. 25, 1923.
Radio apparatus. Pacent Electric Company. 181,844; Mar. 25.
Radiodetectors. A. M. Barron. 181,699; Mar. 25; Serial No. 185,356; published Dec. 18, 1923.
Radio phonograph adapters. Ekko Company. 181,690; Mar. 25; Serial No. 181,519; published Dec. 18, 1923.
Radio receiving and transmitting instruments and parts thereof. North American Radio & Supply Corporation. 181,618; Mar. 25; Serial No. 168,936; published Dec. 18, 1923.
Radio receiving coils. G. O. Wilkinson. 181,886; Mar. 25.
Sadirons, curling irons, percolators, etc., Electrically-heated. Interocean Holding Company. 181,615; Mar. 25; Serial No. 170,387; published Jan. 9, 1923.

CLASS 22.

Cards, Playing. United States Playing Card Company. 181,718; Mar. 25; Serial No. 185,995; published Jan. 1, 1924.
Fishing line. Enterprise Manufacturing Company. 181,662; Mar. 25; Serial No. 188,792; published Jan. 8, 1924.
Fishing line. Enterprise Manufacturing Company. 181,664; Mar. 25; Serial No. 188,612; published Jan. 8, 1924.
Game. C. H. Hays. 181,713; Mar. 25; Serial No. 186,055; published Jan. 8, 1924.
Golf clubs. Phosphor Bronze Smelting Company. 181,627; Mar. 25; Serial No. 187,957; published Jan. 1, 1924.
Minnows, Artificial. Enterprise Manufacturing Company. 181,663; Mar. 25; Serial No. 188,704; published Jan. 8, 1924.
Skates, roller skates, and parts thereof, Ice. Winchester Repeating Arms Company. 181,758; Mar. 25; Serial No. 187,181; published Jan. 8, 1924.
Toy vehicles, wheeled. Herrick-Baldwin-Cox Corporation. 181,868; Mar. 25.
Theaters, toy figures, and accessories, Miniature. Kiddies' Karnival Corporation. 181,548; Mar. 25; Serial No. 187,318; published Jan. 8, 1294.

CLASS 23.

Bearings and their parts. Norma Company of America. 181,875; Car. 25.
Drilling machines, Metal. F. K. Krag. 181,784; Mar. 25; Serial No. 186,280; published Jan. 1, 1924.
Hoists. American Engineering Company. 181,750; Mar. 25; Serial No. 187,279; published Jan. 1, 1924.
Liquids, Apparatus for aerating, carbonating, or gasifying. P. A. Garrett. 181,710; Mar. 25; Serial No. 186,124; published Jan. 1, 1924.
Pistons. G. B. Clemmer. 181,877; Mar. 25.
Road graders. Wehr Company. 181,869; Mar. 25.

CLASS 25.

Locks and latches, Vehicle door. English & Mersick Co. 181,810; Mar. 25; Serial No. 186,634; published Jan. 1, 1924.

CLASS 27.

Watchcases. Illinois Watch Case Company. 24,430; renewed Apr. 3, 1924.
Watchcases. S. M. Watch Case Co. 181,695; Mar. 25; Serial No. 185,232; published Dec. 25, 1923.
Watch movements. Castelberg National Jewelry Company. 181,882; Mar. 25.
Watch movements. Castelberg National Jewelry Company. 181,890; Mar. 25.
Watch movements. Castelberg National Jewelry Company. 181,892; Mar. 25.
Watches and watchcases. Elgin National Watch Company. 181,850; Mar. 25.
Watches, clocks, and parts thereof. Fabrique d'Horlogerie la Glycine. 181,688; Mar. 25; Serial No. 181,740; published Dec. 18, 1923.

Watches, clocks, and watch and clock dials. One Hand Clock Company. 181,691; Mar. 25.
Watches, watch movements, and parts of same. W. Helbeda. 181,858; Mar. 25.
Watches, watch movements, and parts of same. Hipp. Didisheim Co. 181,870; Mar. 25.

CLASS 20.

Bracelets and neck chains. General Chain Co. 181,725; Mar. 22; Serial No. 185,867; published Jan. 1, 1924.
Buttons, Collar. Freeman-Daughaday Co. 181,679; Mar. 25; Serial No. 185,577; published Jan. 1, 1924.
Jewelry, Children's. Hamman-Mamma Jewelry Co. 181,785; Mar. 25; Serial No. 186,267; published Jan. 1, 1924.
Packaged combination. L. Heller & Son, Inc. 181,748; Mar. 25; Serial No. 186,904; published Jan. 1, 1924.
Pearls. La Vie Pearl Company. 181,768; Mar. 25; Serial No. 187,063; published Jan. 1, 1924.
Pins and lingerie clasps, Safety. C. G. King & Company. 181,847; Mar. 25.
Pins, Cuff buttons, studs, etc. Wm. Filene's Sons Company. 181,853; Mar. 25.

CLASS 29.

Brushes. Geo. S. Lainer & Co. 181,720; Mar. 25; Serial No. 185,973; published Jan. 1, 1924.
Dusters, Wool. Weil-Ransom Co. 181,862; Mar. 25.
Oilers, yarn mops, dust cloths, etc., Floor. Standard Oil Company of New York. 181,655; Mar. 25; Serial No. 188,336; published Jan. 1, 1924.

CLASS 31.

Refrigerators. Motorfrigerator Company. 181,649; Mar. 25; Serial No. 188,319; published Jan. 1, 1924.

CLASS 32.

Furniture. Hanosh Manufacturing Company. 181,717; Mar. 25; Serial No. 186,011; published Jan. 1, 1924.
Shades, Window. Rauch & Gainor. 181,724; Mar. 25; Serial No. 185,877; published Jan. 8, 1924.

CLASS 33.

Glass. California Glass & Paint Co. 181,595; Mar. 25; Serial No. 164,496; published Jan. 8, 1924.

CLASS 34.

Burners. J. Dingivian. 181,903; Mar. 25; Serial No. 183,964; published Jan. 8, 1924.
Chimneys, Supports in. J. Walentovic. 181,782; Mar. 25; Serial No. 186,307; published Jan. 8, 1924.
Pumps and feed-water heater, Boiler feed. Superheater Company. 181,868; Mar. 25; Serial No. 188,282; published Jan. 8, 1924.
Stoves and ranges. W. B. Baxter. 181,880; Mar. 25.
Ventilators. Paul Dickinson Incorporated. 181,760; Mar. 25; Serial No. 187,153; published Jan. 8, 1924.

CLASS 35.

Belting, hose, and packing. New York Belting and Packing Company. 181,840; Mar. 25.
Hose. Mulconroy Company. 181,848; Mar. 25.
Packing, Steam, water, gas, air, and ammonia. Crandall Packing Company. 181,809; Mar. 25; Serial No. 186,631; published Jan. 1, 1924.
Piston rings. Resilient inner rings arranged to fit under the regular. Ramsey Accessories Manufacturing Corporation. 181,814; Mar. 25; Serial No. 186,671; published Jan. 1, 1924.
Tires, Inner tubes for. Ajax Rubber Company. 181,656; Mar. 25; Serial No. 188,396; published Jan. 1, 1924.
Tires, Repair kit for pneumatic. E. F. Hartley. 181,626; Mar. 25; Serial No. 187,944; published Jan. 1, 1924.
Tires, Rubber. Master Tire & Rubber Co. 181,889; Mar. 25.
Tubes and tires, Inner. Columbia Tire and Rubber Company. 181,736; Mar. 25; Serial No. 186,827; published Jan. 1, 1924.

CLASS 36.

Saxophones. Keach and Greene. 181,845; Mar. 25.
Talking machines. C. M. Robinson. 181,604; Mar. 25; Serial No. 149,422; published Sept. 26, 1922.
Talking machines and phonographs. Sonora, Inc. 181,887; Mar. 25.

CLASS 37.

Cards, letterheads, and announcements, Correspondence. Plateless Engraving Co. 181,849; Mar. 25.
Clips, paper fasteners, and metal holders. L. D. Van Valkenburg Co. 181,863; Mar. 25.
Envelopes, Mailing. American Envelope Co. 181,830; Mar. 25.
Paper, Robert Fletcher & Son. 24,938; renewed July 3, 1924.
Paper. Winston, Harper, Fisher Company. 181,753; Mar. 25; Serial No. 187,238; published Jan. 1, 1924.
Paper, Gummed. Dennison Manufacturing Co. 181,832; Mar. 25.
Paper, Writing and printing. Collins Mfg. Co. 181,861; Mar. 25.
Papers, Book. Kansas City Paper House. 181,698; Mar. 25; Serial No. 185,341; published Jan. 1, 1924.
Tablets and paper, envelopes, rubber bands, etc., Writing. Van Vleet-Mansfield Drug Co. 181,818; Mar. 25; Serial No. 186,730; published Jan. 1, 1924.

CLASS 38.

Magazine, Monthly. F. C. Kaye. 181,638; Mar. 25; Serial No. 188,152; published Jan. 8, 1924.
Magazine, Monthly. Miller-Matthews Publishing Company. 181,575; Mar. 25; Serial No. 187,832; published Jan. 8, 1924.
Magazine, Weekly. American Trade Publishing Co. 181,576; Mar. 25; Serial No. 187,841; published Jan. 8, 1924.
Newspaper strip, Comic. Illustrated Daily News Publishing Co. 181,645; Mar. 25; Serial No. 188,269; published Jan. 8, 1924.
Newspaper title. Keystone American, Inc. 181,561; Mar. 25; Serial No. 187,522; published Jan. 8, 1924.
Publication, Monthly. M. de Sanctis Carait. 181,637; Mar. 25; Serial No. 188,150; published Jan. 8, 1924.
Publication title. Allied Grocers, Inc. 181,751; Mar. 25; Serial No. 187,278; published Jan. 8, 1924.
Sporting column or section, Serial. Sun-Herald Corporation. 181,568; Mar. 25; Serial No. 187,700; published Jan. 8, 1924.

CLASS 39.

Apparel, Ladies' and children's wearing. La Mode Garment Co. 181,556; Mar. 25; Serial No. 187,468; published Jan. 1, 1924.
Apparel, Ladies' and children's wearing. Roberts-Frank & Co. 181,558; Mar. 25; Serial No. 187,486; published Jan. 1, 1924.
Aprons. Cameron and Company. 181,574; Mar. 25; Serial No. 187,793; published Jan. 1, 1924.
Bibs. Sanitary Rubber Novelty Co. 181,611; Mar. 25; Serial No. 171,869; published Dec. 11, 1923.
Caps for men, women, and children. W. London. 181,593; Mar. 25; Serial No. 165,758; published May 8, 1923.
Corsets, brassières, and underwear. Nemo Circlet Company. 181,727; Mar. 25; Serial No. 185,837; published Jan. 8, 1924.
Dresses, coats, and suits. Steinberg & Linden. 181,728; Mar. 25; Serial No. 186,799; published Jan. 8, 1924.
Dresses, Ladies'. L. Adler. 181,836; Mar. 25.
Dresses, middy blouses, rompers, aprons, etc. Bell Manufacturing Company. 181,721; Mar. 25; Serial No. 185,950; published Jan. 1, 1924.
Garments, Knitted outer and under. D. Nusbaum & Co. 181,586; Mar. 25; Serial No. 167,140; published Jan. 15, 1924.
Gowns, chemise, drawers, etc., Ladies'. H. Schiller. 181,817; Mar. 25; Serial No. 186,724; published Jan. 1, 1924.
Hats, Children's. Little-Darling Hat Co. 181,716; Mar. 25; Serial No. 186,017; published Jan. 1, 1924.
Hosiery. T. H. Brown. 181,672; Mar. 25; Serial No. 175,978; published Nov. 27, 1923.
Hosiery, Ladies' silk. J. Blumenthal. 181,617; Mar. 25; Serial No. 169,276; published Feb. 13, 1923.
Knitted caps, sweaters, gloves, hosiery, and scarfs. Balaclaver Knitting Mills. 181,689; Mar. 25; Serial No. 181,667; published Jan. 1, 1924.
Neckties. Esco Neckwear & Novelty Co. 181,860; Mar. 25.
Outerwear, Knitted. Dutchess Knitting Mills. 181,634; Mar. 25; Serial No. 167,349; published Jan. 15, 1924.
Shirts. H. Berger. 181,674; Mar. 25; Serial No. 176,248; published Jan. 15, 1924.
Shirts, Men's outing, dress, and work. Stein Barnett Shirt Company. 181,591; Mar. 25; Serial No. 166,574; published Nov. 14, 1922.
Suits and overcoats, ladies' suits and coats, Men's and boys'. H. Markofsky. 181,878; Mar. 25.
Suits, overcoats, sweaters, hats, and caps, Boys'. J. Samuels and Brother, Incorporated. 181,607; Mar. 25; Serial No. 174,411; published Oct. 16, 1923.
Sweaters and knit coats. Boyce, Wheeler & Boyce, Inc. 181,733; Mar. 25; Serial No. 186,824; published Jan. 8, 1924.
Topcoats, overcoats, coats, etc. Frankel Bros. 181,722; Mar. 25; Serial No. 185,923; published Jan. 1, 1924.
Trousers. Lurie Manufacturing Company. 181,866; Mar. 25.
Undergarments and camisoles, Silk. Fantl Brothers & Lewis. 181,597; Mar. 25; Serial No. 163,974; published Oct. 10, 1922.
Underwear. Boyce, Wheeler & Boyce, Inc. 181,734; Mar. 25; Serial No. 186,825; published Jan. 8, 1924.
Underwear and furnishings. Goldman Costume Company. 181,625; Mar. 25; Serial No. 167,283; published Jan. 15, 1924.
Underwear, Ladies' Silk. Joseph Magnin Co. 181,864–5; Mar. 25.

CLASS 41.

Umbrella and parasol ribs. S. W. Evans & Son. 181,767; Mar. 25; Serial No. 188,995; published Jan. 8, 1924.
Umbrellas. E. Silverman. 181,872; Mar. 25.

CLASS 42.

Cotton, cotton and silk, cotton and wool goods in the piece. Wm. Simpson, Sons & Co. 181,703; Mar. 25; Serial No. 185,537; published Jan. 8, 1924.
Cotton, cotton and silk, etc., piece goods. W. E. McKay & Company. 181,750; Mar. 25; Serial No. 187,169; published Jan. 8, 1924.
Cotton piece goods. J. C. Penney Company. 181,788; Mar. 25; Serial No. 186,197; published Jan. 8, 1924.
Cotton piece goods. Wilton Manufacturing Company. 181,631; Mar. 25; Serial No. 188,080; published Jan. 8, 1924.
Cotton piece goods. Wilton Manufacturing Company. 181,632; Mar. 25; Serial No. 188,082; published Jan. 8, 1924.
Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 181,566; Mar. 25; Serial No. 187,680; published Jan. 1, 1924.
Hair nets. J. Giguet. 181,694; Mar. 25; Serial No. 184,930; published Jan. 8, 1924.
Hair nets. S. Glemby's Sons Co. 181,585; Mar. 25; Serial No. 187,939; published Jan. 8, 1924.
Jute piece goods. James P. White & Co. 181,827; Mar. 25; Serial No. 186,754; published Jan. 1, 1924.
Piece goods. Pharaoh Drapery Co. 181,677; Mar. 25; Serial No. 178,186; published Jan. 8, 1924.
Rugs, Oriental. Cartozian Brothers, Incorporated. 181,820; Mar. 25; Serial No. 186,741; published Jan. 8, 1924.
Sheets, sheeting, pillowcases, bolster coverings. Peerless Cotton Mills. 181,789; Mar. 25; Serial No. 182,990; published Jan. 1, 1924.
Silk piece goods. Jansen & Pretzfeld, Inc. 181,661; Mar. 25; Serial No. 188,631; published Jan. 8, 1924.
Silk piece goods. Wechsler Barber Silk Company. 181,583; Mar. 25; Serial No. 187,904; published Jan. 8, 1924.
Tapestries, brocades, embroideries, silks, etc. M. Mellen. 181,570; Mar. 25; Serial No. 187,754; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,562; Mar. 25; Serial No. 187,576; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,578; Mar. 25; Serial No. 187,935; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,579; Mar. 25; Serial No. 187,937; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,580; Mar. 25; Serial No. 187,931; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,581; Mar. 25; Serial No. 187,928; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,582; Mar. 25; Serial No. 187,930; published Jan. 8, 1924.
Woolen piece goods. Forstmann & Huffmann Company. 181,740–1; Mar. 25; Serial Nos. 186,803–4; published Jan. 1, 1924.

CLASS 44.

Cotton and waste, bandages, etc., Absorbent. Hygienic Fibre Company. 181,893; Mar. 25.

CLASS 45.

Beverage, Nonalcoholic, maltless. W. D. Adams. 181,565; Mar. 25; Serial No. 187,655; published Jan. 1, 1924.
Beverages. Sunset Club Bottling Co. 181,743; Mar. 25; Serial No. 186,937; published Jan. 1, 1924.
Ginger ale. Sunbeam Water Company. 181,572; Mar. 25; Serial No. 187,782; published Jan. 1, 1924.
Powder, Malt-less-soft-drink. National Food Products Corporation. 181,557; Mar. 25; Serial No. 187,476; published Jan. 1, 1924.

CLASS 46.

Bread. Ward Baking Company. 181,732; Mar. 25; Serial No. 186,816; published Jan. 1, 1924.
Butter. Blue Valley Creamery Co. 181,835; Mar. 25.
Candies and assorted chocolates, Assorted. S. B. Michael. 181,797; Mar. 25; Serial No. 183,661; published Jan. 8, 1924.
Candies, Chocolate. E. Greenfield's Sons. 181,871; Mar. 25.
Candy. Bennett-Hubbard Candy Co. 181,693; Mar. 25; Serial No. 184,634; published Jan. 8, 1924.
Candy. Meier & Frank Co. 181,879; Mar. 25.
Candy bar. Home Candy Company. 181,816; Mar. 25; Serial No. 186,706; published Jan. 8, 1924.
Candy toys. Candy-Toy Company of America. 181,906; Mar. 25; Serial No. 176,050; published Jan. 8, 1924.
Canned corn. Haas-Lieber Grocery Company. 181,555; Mar. 25; Serial No. 187,450; published Jan. 8, 1924.
Canned crab meat. Koto Trading Company. 181,816; Mar. 25; Serial No. 186,711; published Jan. 8, 1924.
Canned fruits and vegetables. S. S. Pierce Co. 181,676; Mar. 25; Serial No. 177,995; published July 10, 1923.
Canned fruits and vegetables, Jams, jellies, etc. California Preserving Co. 181,876; Mar. 25.
Canned fruits, vegetables, and fish, and dried fruits. Hunt Brothers Packing Company. 181,812; Mar. 25; Serial No. 186,642; published Jan. 8, 1924.
Canned vegetables. Joseph Campbell Company. 181,610; Mar. 25; Serial No. 172,860; published Dec. 11, 1923.
Chocolate, Milk. Eline's Incorporated. 181,711; Mar. 25; Serial No. 186,117; published Jan. 8, 1924.
Codfish. Bridgetts & Co. 181,560; Mar. 25; Serial No. 187,505; published Jan. 8, 1924.
Coffee. Jas. H. Forbes Tea & Coffee Co. 181,799; Mar. 25; Serial No. 183,827; published Jan. 8, 1924.
Coffee, Roasted. L. A. Scherck. 181,856; Mar. 25.
Confection. J. Buckley. 181,600; Mar. 25; Serial No. 162,576; published Jan. 1, 1924.
Corn meal, grits, and corn flour. Black & White Milling Company. 181,780; Mar. 25; Serial No. 186,411; published Jan. 1, 1924.
Crackers, wafers, biscuits, etc. Green & Green Company. 181,864; Mar. 25.
Edible mixture of nuts and butter. L. Buonocore. 181,859; Mar. 25.
Feed. C. M. Struven. 181,831; Mar. 25.
Feed, Baby-chick. Sperry Flour Company. 181,550; Mar. 25; Serial No. 187,891; published Jan. 1, 1924.
Feeds and feedstuffs. Quisenberry Feed Mfg. Co. 181,761; Mar. 25; Serial No. 187,127; published Jan. 1, 1924.
Flour and prepared cereals. Farwell & Rhines. 24,919; renewed June 26, 1924.
Flour, Prepared. C. Luebstorf. 181,865; Mar. 25.
Flour, Wheat. Colorado Milling & Elevator Co. 181,764; Mar. 25; Serial No. 187,094; published Jan. 1, 1924.
Flour, Wheat. Kuenzel Mills Company. 181,763; Mar. 25; Serial No. 187,108; published Jan. 1, 1924.
Flour, Wheat. La Grange Mills. 24,001–2; renewed Jan. 9, 1924.
Flour, Wheat. La Grange Mills. 24,004; renewed Jan. 9, 1924.
Ice-cream cones. Adams Cone Co. 181,800; Mar. 25; Serial No. 183,870; published Jan. 8, 1924.
Lard. E. Emmel. 181,884; Mar. 25.
Marmalades, honey, table sirup, etc. Aunt Betty's Products Co. 181,738; Mar. 25; Serial No. 186,864; published Jan. 8, 1924.
Mayonnaise and salad dressing. Andrew Rohan Company. 181,745; Mar. 25; Serial No. 186,964; published Jan. 8, 1924.
Peanut bar. A. B. Mewhinney Co. 181,599; Mar. 25; Serial No. 162,563; published Jan. 8, 1924.
Potatoes. Maine Potato Growers' Exchange. 181,777; Mar. 25; Serial No. 186,514; published Jan. 8, 1924.
Sandwiches, Peanut-butter. F. A. Atwood, Inc. 181,796; Mar. 25; Serial No. 183,516; published Jan. 8, 1924.
Sausage. Lindsay Pork Products Co. 181,773; Mar. 25; Serial No. 186,558; published Jan. 8, 1924.
Sausage, Pork. Lindsay Pork Products Co. 181,774; Mar. 25; Serial No. 186,557; published Jan. 8, 1924.
Tomato paste. Lioni Fruit & Packing Co. 181,719; Mar. 25; Serial No. 185,975; published Jan. 8, 1924.
Vinegar. Osaka Zosu Kabushiki Kaisha. 181,692; Mar. 25; Serial No. 184,563; published Jan. 8, 1924.

CLASS 48.

Beverage, Malt. John F. Trommer, Inc. 181,614; Mar. 25; Serial No. 170,845; published Jan. 1, 1924.
Beverages, Nonalcoholic cereal. G. L. Becker. 181,569; Mar. 25; Serial No. 187,708; published Jan. 8, 1924.

CLASS 49.

Liquors, Distilled alcoholic. Mattingly & Moore Distillery Co. 181,616; Mar. 25; Serial No. 170,303; published Jan. 1, 1924.

CLASS 50.

Awnings, tents, etc. Dickey Manufacturing Company. 181,839; Mar. 25.
Garment hangers. L. Duberstein. 181,746; Mar. 25; Serial No. 186,980; published Jan. 1, 1924.
Garment hangers, Devices to be slipped on the ends of. Lazy Sue Hanger Company. 181,553; Mar. 25; Serial No. 187,425; published Jan. 1, 1924.
Paper, carpet lining, Indented. Schmidt & Ault Paper Co. 181,796; Mar. 25; Serial No. 183,504; published Jan. 8, 1924.
Tents. Dickey Manufacturing Company. 181,806; Mar. 25; Serial No. 184,126; published Jan. 8, 1924.

ALPHABETICAL LIST OF LABELS.

Bulletin Paint. For Paint for Bulletin Boards for Outdoor Use. O. J. Oude Co. 27,122; Mar. 25.
Chocolates. For Boxes Containing Candy. Milwaukee Paper Box Co. 27,125; Mar. 25.
Dromedary Grapefruit. For Canned Grapefruit. Hills Brothers Company. 27,123; Mar. 25.
Eclipse. For Fresh Oranges. Glendora Mutual Orange Association. 27,120; Mar. 25.
Fidelity. For Fresh Oranges. Glendora Mutual Orange Association. 27,119; Mar. 25.
Ia Spir Ol. For Medicines for Treatment and Relief of Coughs, Colds, Catarrh, Laryngitis, Bronchitis, and Diseases of the Respiratory Organs. K. Glickman. 27,121; Mar. 25.
Kiddihose For Tiny Toes. For Hosiery. Nicholson-Feinberg, Inc. 27,126; Mar. 25.
Kleen Hand. For Stove Cloth. K. C. Rawles. 27,127; Mar. 25.
Les Parfums. For Perfumes. A. Feldman. 27,117; Mar. 25.
M. F. Suares. For Cigars. M. F. Suares Cigar Manufacturing Company. 27,129; Mar. 25.
Made of Selected Corn, Can Be Used For Best Quality Carpet. For Brooms. A. Coraci. 27,116; Mar. 25.
Ma-Jon. For Antiseptic Cleanser and Washing Powder. L. R. Himmelberger. 27,124; Mar. 25.
Nil Deodorant Compacte. For a Deodorant Compact. Cob Co. 27,114; Mar. 25.
Schwab's Nature Face Powder. For Face Powder. A. Schwab. 27,128; Mar. 25.
Spartan. For Fresh Oranges. Glendora Mutual Orange Association. 27,118; Mar. 25.
The Mineral Wax Twins Clean and Good. For Inked Ribbons. Columbia Carbon Company. 27,115; Mar. 25.

ALPHABETICAL LIST OF PRINTS.

Ask about Our Budget Plan of Selling Furniture and Floor Coverings. For Household Furnishings, Including Furniture and Floor Coverings. O. W. Richardson & Co. 7,259; Mar. 25.
Certified Eggs. For Eggs. Koster Butter & Egg Co. 7,257; Mar. 25.
Nonik. For Drinking Tumblers. Albert Pick & Company. 7,258; Mar. 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Laurence E. Tierney Fuel Company. 184,195; Mar. 25.
Cork board. Cork Import Corporation. 190,236; Mar. 25.
Leather. Beardmore & Co. 154,912; Mar. 25.
Leather. Michigan Tanning & Extract Company. 185,483; Mar. 25.
Leather, Gold and Silver. H. Loewenstein. 188,216; Mar. 25.

CLASS 2.

Jugs and bottles. Vacuum. H. & L. Epstein, Inc. 190,497; Mar. 25.

CLASS 4.

Preparation for dressings, Cleaners, and polishes for shoes. C. W. Fiedler. 176,310; Mar. 25.
Soap. The Fair. 184,883; Mar. 25.
Soap. Parfumerie de la Société Hygiénique Cottan-Porte & Cie. 183,493; Mar. 25.
Soap. Swift and Company. 191,198; Mar. 25.
Soap, Liquid. United Sanitary Products Company. 174,498; Mar. 25.
Soaps. F. B. Arnold & Co. 191,160; Mar. 25.
Soaps. J. Bibby & Sons Limited. 168,571; Mar. 25.
Soaps. Steinfels Frères & Co. 191,284–5; Mar. 25.
Soaps and soap preparations. Sophia Hair Stores Company. 190,941; Mar. 25.
Soaps suitable for use upon silks. Lightfoot Schultz Company. 182,920; Mar. 25.

CLASS 6.

Acid, ammonia, and bisulphide of soda, Lactic. Wamesit Chemical Company. 173,155; Mar. 25.
Automobile radiator solution, Nonfreezing and nonevaporating. G. J. Peck. 189,069; Mar. 25.
Battery solution. Hyre and Arents. 189,621; Mar. 25.
Carbon remover. Es-lie Co. 191,263; Mar. 25.
Coal-tar dyestuffs. National Aniline & Chemical Company. 190,702; Mar. 25.
Coating compound for increasing the wearing properties of fabrics. G. C. Taylor. 183,543; Mar. 25.
Corn remedy. G. T. Payne. 187,637; Mar. 25.
Cream, Liquid cleansing. Goodwin Laboratories. 191,227; Mar. 25.
Creams, lotions, powders, and hair tonic, Face. W. E. Philes. 184,796; Mar. 25.
Cyanide, Sodium. California Cyanide Company. 191,220; Mar. 25.
Disenfectant. Iodyl Associated Chemists, Inc. 190,594; Mar. 25.
Embalming supplies. J. H. De Normandie. 190,873; Mar. 25.
Fat-reducing remedy. M. Laun. 188,098; Mar. 25.
Glandular preparation. A. J. Calajoe. 191,163; Mar. 25.
Hair shampoo. Warner, Woodman Co. 189,742; Mar. 25.
Healing, antiseptic, astringent, and protective ointment. R. P. Krieuer. 182,918; Mar. 25.
Insecticide. Johnson & Whiting. 190,970; Mar. 25.
Insecticides and fungicides. General Chemical Company. 190,681; Mar. 25.
Insecticides and fungicides. H. J. Walrath & Sons. 189,826; Mar. 25.
Iodine compound, Organic. Eli Lilly and Company. 191,233; Mar. 25.
Laxative pills. M. S. Asbell. 190,370; Mar. 25.
Lip sticks. E. A. Jacobs. 175,793; Mar. 25.
Lithophone. Midland Chemical Company. 191,234; Mar. 25.
Lotions, face, talcum, and sachet powders, face creams, etc., Toilet. Guy T. Gibson, Incorporated. 183,916–17; Mar. 25.
Medical compound. Carbo-Septic Corporation. 191,221; Mar. 25.
Medicine, Soporific. Winthrop Chemical Company. 190,397; Mar. 25.
Ointment, Healing. Iodyl Associated Chemists, Inc. 190,595; Mar. 25.
Palliative for rheumatism, neuralgia, sore muscles, etc. C. W. Isaac. 188,011; Mar. 25.
Pastes and powders and perfumery. E. Daltroff & Cie. 186,112; Mar. 25.
Perfumes. Societe Guerlain. 183,768; Mar. 25.
Pharmaceutical preparation for the treatment of diseases of the skin, etc. Fort Wayne Drug Company. 164,412; Mar. 25.
Powder, Face. Remiller Co. 191,979; Mar. 25.
Powder, Face. Z. Stavin. 190,392; Mar. 25.
Powder that deodorizes and checks perspiration. M. C. Wagner. 178,419; Mar. 25.
Powder, Toilet. Caron Corporation. 190,767; Mar. 25.
Preparation for the treatment of chest colds, bronchitis, sore throat, etc. C. H. McKeown. 190,509; Mar. 25.
Preparation for the treatment of stomach trouble, etc. American Drug & Press Association. 191,357; Mar. 25.
Preparations for use in the treatment of tuberculosis. Hausmann A.-G. Schweiz. Medizinal- & Sanitätsgeschäft St. Gallen. 185,020; Mar. 25.
Salts tablets, Epsom. O. E. Harmon. 191,017; Mar. 25.
Salve. S. Grudsiasz. 181,016; Mar. 25.
Scalp tonic. R. Von Tilzer. 189,485; Mar. 25.
Sulphur, alum, aspirin, etc. Atlantic Stores Corporation. 184,056; Mar. 25.
Tooth paste. M. Schlesinger. 190,745; Mar. 25.
Tooth paste, tooth-stain remover, and pyorrhea treatment. Medico-Dental Specialty Co. 190,116; Mar. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 8.

Pipes, cigar and cigarette holders, Smokers'. Kaufmann Bros. & Bondy. 189,314; Mar. 25.
Pipes, Tobacco. F. Charatan and Son, Limited. 191,302; Mar. 25.

CLASS 10.

Fertilizer. Knoxville Fertilizer Company. 187,745; Mar. 25.

CLASS 12.

Built-up or veneered tops, panels, and plywood. New Albany Veneering Company. 152,379; Mar. 25.
Stucco. Fisher Builders Supply Company. 178,172; Mar. 25.
Tiles, Art and roof. Standard Brick & Tile Company. 185,629; Mar. 25.

CLASS 13.

Bathtubs and combination bath cabinets and tubs, Infants' folding. Kiddie-Town Products, Inc. 156,066; Mar. 25.
Bathtubs and combination bath cabinets and tubs, Infants' folding. Kiddie-Town Products, Inc. 156,068; Mar. 25.
Pans, teakettles, double boilers, coffeepots, etc., Dairy. General Aluminum Company. 179,935; Mar. 25.
Plumbing fixtures. Standard Sanitary Manufacturing Company. 186,727; Mar. 25.

CLASS 14.

Bronze bar stock. Buckeye Brass & Mfg. Co. 186,348; Mar. 25.

CLASS 15.

Oils and greases, Lubricating. C. E. Harrell. 183,147; Mar. 25.

CLASS 16.

Polishing of woodwork, household furniture, and automobiles. Bran-U Auto Polish Co. 152,828; Mar. 25.

CLASS 17.

Cigarettes. C. Sabin. 189,141; Mar. 25.
Cigarettes, cigars, and smoking tobacco. H. M. G. Cigar Company. 192,478; Mar. 25.
Tobacco, Smoking and chewing. Cumberland Tobacco Works. 145,057; Mar. 25.

CLASS 19.

Automobiles. Premier Motors, Incorporated. 190,205–6; Mar. 25.
Bumpers. Federal Pressed Steel Company. 191,064; Mar. 25.
Automobiles and automobile accessories. Luxor Cab Mfg. Corp. 188,492; Mar. 25.
Mirrors, Rear-view. Indian Manufacturing & Electric Co. 190,787; Mar. 25.
Vehicle radiators and parts thereof, Motor. F. A. Barker. 190,567; Mar. 25.
Vehicle springs. Detroit Steel Products Company. 189,153; Mar. 25.

CLASS 22.

Game. Alderman, Fairchild Company. 192,000; Mar. 25.
Game, Chance-controlled. Wolverine Supply & Manufacturing Co. 190,663; Mar. 25.
Game, Table. L. La Borle. 191,629; Mar. 25.
Toys, Balancing figure. W. Brownley. 191,219; Mar. 25.

CLASS 23.

Beaters, grinders, and shredders. Gruendler Patent Crusher and Pulverizer Company. 174,205; Mar. 25.
Drills and screw drivers, Hand. Millers Falls Company. 188,021; Mar. 25.
Engines, Internal-combustion. Sterling Engine Co. 188,338; Mar. 25.
Hair-cutting machines, shaving outfits, razor blades, etc. F. Kober. 188,275; Mar. 25.
Heat exchangers, Fin-tube. Griscom-Russell Company. 187,813; Mar. 25.
Milking machines and pumping outfits and parts thereof. Cloverleaf Milker Company. 189,240; Mar. 25.
Pumps and fluid-pressure motors. John A. Morgan Machinery Company. 179,547; Mar. 25.
Woodworking machines. Master Woodworker Mfg. Co. 190,735; Mar. 25.

CLASS 31.

Ice-cream-packing receptacles. S. F. Peterson. 190,985; Mar. 25.
Refrigerators. Tennessee Furniture Corporation. 191,288–9; Mar. 25.

CLASS 32.

Mirrors, Hand. Florence Manufacturing Company. 164,586; Mar. 25.

CLASS 33.

Glass globes for lanterns. R. E. Dietz Company. 191,758; Mar. 25.

CLASS 34.

Electric-light reflectors, Metallic. C. W. Cole. 182,203; Mar. 25.
Lamp caps, gloves, and shades, Metallic. Rainbow Dash-Light Co. 189,374; Mar. 25.
Oil burners and regulators, etc., for oil burners. Ryerson Crane, Inc. 171,285; Mar. 25.

CLASS 35.

Belt lacing. J. H. Hemmerdinger & Son. 183,831; Mar. 25.
Belting and sheet packing. B. F. Goodrich Company. 185,080; Mar. 25.
Packing and pump seats. E. D. Lombard. 189,415; Mar. 25.
Piston rings. C. G. Sprecher. 188,448; Mar. 25.
Rubber tires, inner tubes, tire flaps, etc. A. I. Levin. 187,630; Mar. 25.

CLASS 36.

Talking-machine and phonograph records. General Phonograph Corporation. 157,268; Mar. 25.

CLASS 37.

Envelopes, Mailing. Tension Envelope Company. 191,648; Mar. 25.
Paper, Bond and ledger. Newton Falls Paper Company. 186,245; Mar. 25.
Paper, Toilet tissue. National Paper Products Company. 191,552–4; Mar. 25.
Paper, Toilet tissue. National Paper Products Company. 191,556–60; Mar. 25.
Paper, Wrapping. Anchor Paper Company. 168,246; Mar. 25.
Paper, Wrapping. Graham Paper Company. 186,302; Mar. 25.
Pencils, Lead. American Lead Pencil Company. 175,592; Mar. 25.

CLASS 38.

Books. H. E. Starr. 188,074; Mar. 25.
Folders or greeting cards. L. F. Bockmann. 180,921; Mar. 25.
Periodical, Title for. J. E. Burton. 189,063; Mar. 25.
Prints, drawings, charts, diagrams, etc. G. Charter Harrison Associates. 189,403–4; Mar. 25.
Publication, Periodical. Absorene Manufacturing Company. 190,439; Mar. 25.
Title of a colored comic page. Press Publishing Company. 187,693; Mar. 25.

CLASS 39.

Belts, belting, and elastics. Governor Fastener Company. 189,402; Mar. 25.
Boots and shoes. Wobst Shoe Company. 188,395; Mar. 25.
Boots and shoes and heels and soles. United Rubber and Leather Company. 187,889; Mar. 25.
Boots, shoes, slippers, overshoes, and rubbers. Gladding Dry Goods Co. 188,960; Mar. 25.
Footwear. Bolway Company. 158,379; Mar. 25.
Garment supporters, suspenders, and garters. Star Suspender & Garter & Co. 190,134; Mar. 25.
Gloves. G. H. Reel. 177,867; Mar. 25.
Gloves, Leather. F. Fitz Gibbon & Co. 185,249; Mar. 25.
Hats and caps. Charles S. Merton & Co. 183,077; Mar. 25.
Hats and caps, Men's. Crofut & Knapp Company. 190,403; Mar. 25.
Hats, Ladies. Oppie Hat Company. 189,133; Mar. 25.
Hats, Ladies'. Washington Millinery Co. 189,147; Mar. 25.
Hats, Women's. A. N. Adelson. 189,545; Mar. 25.
Hosiery. L. S. Kan. 151,802; Mar. 25.
Rubber heels and soles. Panther Rubber Manufacturing Company. 187,531–2; Mar. 25.
Rubber heels, soles, and heel tips. Simpson's (S. A.) Limited. 189,297–8; Mar. 25.
Shoes. Phenix Shoe Mfg. Co. 189,288; Mar. 25.
Shoes. H. Wilensky & Sons. 170,963; Mar. 25.
Shoes and slippers. International Shoe Company. 189,854; Mar. 25.
Shoes, Children's. International Shoe Company. 187,814; Mar. 25.
Suspenders, belts, and arm bands. Gem-Dandy Garter Company. 174,771; Mar. 25.

CLASS 40.

Pins, needles, crochet hooks, bodkins. J. Smith & Son (Redditch) Ltd. 185,266; Mar. 25.

CLASS 42.

Carpets and rugs, Textile. Bigelow-Hartford Carpet Co. 191,052; Mar. 25.
Cotton duck. L. O. Draper. 188,992; Mar. 25.
Cotton piece goods. American Printing Company. 187,102; Mar. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cotton piece goods. American Printing Company. 191,214; Mar. 25.
Cotton piece goods. Phillips-Jones Corporation. 191,238; Mar. 25.
Cotton, silk, cotton and silk, and art-silk piece goods. Julius Kayser & Co. 189,506; Mar. 25.
Ginghams in the piece. Zephyr. Marshall Field & Company. 191,375; Mar. 25.
Hair nets. Rieser Company. 189,915; Mar. 25.
Hair nets made of human hair. B. Frankel Company. 188,674; Mar. 25.
Handkerchiefs. Sommer-Pelzer Co. 191,792; Mar. 25.
Plushes in the piece. Hind & Harrison Plush Co. 190,544; Mar. 25.
Pongee in the piece, Cotton. Murray Trading Company. 191,550; Mar. 25.

CLASS 44.

Bust confiners for medical purposes. E. K. Pollock. 188,566; Mar. 25.
Garments, Wearing. M. E. Schwartz. 186,570; Mar. 25.

CLASS 45.

Beverage sold as a soft drink. P. Delaney. 191,371; Mar. 25.
Beverages sold as soft drinks and sirups used in preparation of same. H. C. Schranck Company. 191,841; Mar. 25.
Ginger ale. Delatour Beverage Corporation. 191,755; Mar. 25.
Ginger ale. Greensboro Pepsi Cola Bottling Company. 191,431; Mar. 25.
Root beer. G. W. Peverly. 188,253; Mar. 25.
Root beer, grape juice, etc. Durand-McNeil-Horner Co. 191,821; Mar. 25.

CLASS 46.

Bakery goods. L. Weil. 183,544; Mar. 25.
Bananas, oranges, apples, etc. Mark P. Jacobsen Company. 185,592; Mar. 25.
Biscuit. A/S Sætre Kjeksfabrik. 172,025; Mar. 25.
Biscuits, wafers, crackers, cakes, and cookies. National Biscuit Company. 186,128; Mar. 25.
Bread. F. Johnson. 191,963; Mar. 25.
Bread. Mackechnie Bread Company. 156,098; Mar. 25.
Butter. Cromwell Co-operative Creamery Association. 191,751–2; Mar. 25.
Butter, eggs, cheese, and dressed poultry. George F. Hinrichs, Inc. 167,983; Mar. 25.
Candies. A. L. Lewis. 190,693; Mar. 25.
Candy. Sanitary Food Manufacturing Co. 187,770; Mar. 25.
Canned and bottled salad oil. G. L. P. Co. 190,095; Mar. 25.
Canned fruits and vegetables. Nielsen Packing Co. 181,849; Mar. 25.
Canned fruits and vegetables. Sussman, Wormser & Co. 192,045; Mar. 25.
Canned fruits and vegetables. Taylor Corporation. 191,924; Mar. 25.
Canned fruits and vegetables, dried fruits, and canned fish. Hunt Brothers Packing Company. 186,476; Mar. 25.
Canned fruits, vegetables, and fish. F. E. Booth Co. 184,709; Mar. 25.
Canned salmon. American Packing Company. 189,293; Mar. 25.
Canned vegetables. Gristede Bros. Inc. 170,285; Mar. 25.
Cantaloupe. Fort Worth Chamber of Commerce. 186,619; Mar. 25.
Cheese, Cream. Lundy Cheese Company. 180,073; Mar. 25.
Chickens, Baby. H. H. Hall. 171,537; Mar. 25.
Chili paste, Prepared. M. H. Stults. 178,308; Mar. 25.
Coffee. Schreiber Products Corporation. 191,720; Mar. 25.
Coffee. Woolson Spice Co. 146,056; Mar. 25.
Egg-white preparation in powdered form. International Company. 159,317; Mar. 25.
Feed, Dairy. Quisenberry Feed Mf'g Co. 182,904; Mar. 25.
Feed, Gluten. Anheuser-Busch, Inc. 192,055; Mar. 25.
Flour, Self-rising. Acme Mills. 191,802; Mar. 25.
Flour, Self-rising. Jonathan Hale & Sons. 191,959; Mar. 25.
Flour, Wheat. Acme Mills. 191,803–4; Mar. 25.
Flour, Wheat. Holland-O'Neal Milling Co. 190,589; Mar. 25.
Foods, Cereal breakfast. Mead Johnson & Co. 191,832; Mar. 25.
Fruits, Fresh. Roberts Bros. & Company. 190,610; Mar. 25.
Fruits, Fresh citrous. W. L. Benchley. 187,560; Mar. 25.
Fruits, Fresh citrous. A. G. Maddock. 191,965; Mar. 25.
Fruits, strawberries, vegetables, and fruit pulp, Fresh. Seabrook Company. 172,294; Mar. 25.
Gum, Chewing. H. C. Wilkinson. 178,889; Mar. 25.
Ice cream, ices, sherbets, etc. Carton Can Corporation. 167,226; Mar. 25.
Jelly compound, Pure fruit. C. L. Weston. 190,305–6; Mar. 25.
Lard substitutes. Aspegren & Co. 188,399; Mar. 25.
Macaroni. A. Orofino. 172,486; Mar. 25.
Milk chocolate, Prepared. Escher & Yetter Manufacturing Company. 183,966; Mar. 25.
Nuts and nut meats. Fearon, Daniel Company. 170,243; Mar. 25.
Powdered preparation to quickly make jams, jellies. Kwik-Set Company. 187,467; Mar. 25.

CLASS 48.

Beverages, extracts, and liquors, Malt. D. Friedman. 160,883; Mar. 25.

CLASS 50.

Badges and emblem buttons. Taylor & Taylor. 183,780; Mar. 25.
Incubators. Schwalge-Smith Company. 187,491; Mar. 25.
Matrix, dry mat, or board. G. A. Kubler. 190,792; Mar. 25.
Pennants. M. D. Miller. 178,401; Mar. 25.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abercrombie, Newton L., Meridian, Miss. Boll-weevil-exterminating machine. 1,488,140; Mar. 25.
Abrasive Company. (See Brockbank, Clarence J., assignor.)
Adams, Joel U., Cincinnati, Ohio. Steel for corsets or belts. 1,488,305; Mar. 25.
Adams, Rose, Tacoma, Wash., assignor, by mesne assignments, to Meets-A-Need Manufacturing Co. Flour sifter. 1,488,306; Mar. 25.
Aderer, Julius, New York, N. Y. Orthodontic appliance. 1,487,698; Mar. 25.
Albin, Thomas C., Manistique, Mich. Process and means of cooling kilns. 1,487,908; Mar. 25.
Albrecht, Albert W., St. Louis, Mo. Attachment plug. 1,487,699; Mar. 25.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 64,294; Mar. 25.
Allison, Sarah K., Macomb, Ill. Horseshoe. 1,488,370; Mar. 26.
Allison, Sarah K., Macomb, Ill. Freezer. 1,488,371; Mar. 25.
American Hardware Corporation, The. (See Teich, Ernst L., assignor.)
Amme, Gieseche & Konegen, Aktiengesellschaft, Braunschweig, Germany. (See Soiné, O., and Petersen, assignors.)
American Laundry Machinery Company, The. (See Dewey, John J., assignor.)
American Telephone and Telegraph Company. (See Kuhn, G. W., and Ramsdell, assignors.)
American Telephone and Telegraph Company. (See Ramsdell, Roger G., assignor.)
Amidon, James W., et al. (See Kline, William H., assignor.)
Anderberg, Anders, Malmo, Sweden. Combined feed-water heater and spark arrester. 1,488,188; Mar. 25.
Anderson, Fritz A., assignor to Burdick Cabinet Co., Milton, Wis. Adjustable locking joint. 1,488,224; Mar. 25.
Andrews, Harry D., Cheyenne, Wyo. Doughnut holder. 1,487,909; Mar. 25.
Angell, Chester M., assignor to Vesta Battery Corporation, Chicago, Ill. Storage-battery container or similar article. Des. 64,295; Mar. 25.
Anstice, Josiah, & Co. (See Anstice, M. R., and Hazard, assignors.)
Anstice, Mortimer R., and G. E. Hazard, assignors to Josiah Anstice & Co., Inc., Rochester, N. Y. Continuous bread slicer. 1,488,307; Mar. 25.
Appleton Electric Company. (See Ryden, Axel, assignor.)
Arrighi, Pietro, San Francisco, Calif. Rotary gas engine. 1,487,829; Mar. 25.
Autocall Company, The. (See Richmond, Louis E., assignor.)
Automatic Electric Company. (See Richardson, Rodney G., assignor.)
Automotive Appliance Company. (See Minogue, Martin T., assignor.)
Axford & De Shields. (See Cawthron, George, assignor.)
Bachelder, Percy M., Worcester, Mass. Loose-card bill holder. 1,487,700; Mar. 25.
Baetz, Henry, St. Louis, Mo. Method of ventilation. 1,488,225; Mar. 25.
Baker, Charles A., Great Falls, Mont. Tire alarm. 1,488,426; Mar. 25.
Bangor Novelty Company. (See Rublin, B., and Cowle, assignors.)
Baratz, David, and H. Miller, Providence, R. I. Cap. 1,487,830; Mar. 25.
Barber Asphalt Paving Company, The. (See Topping, John A., assignor.)
Barber-Colman Company. (See Hathaway, Edgar F., assignor.)
Barber, William, Brooklyn, N. Y. Tire-inflating connection for wheels. 1,487,831; Mar. 25.
Barnard, Thomas H., Toronto, Ontario, Canada. Clamp. 1,487,701; Mar. 25.
Barney, William R., assignor to W. C. Norris, Tulsa, Okla. Shock absorber for sucker rods. 1,487,832; Mar. 25.
Barr, James M. M., London, England. Device for obtaining oscillating motion. 1,487,702; Mar. 25.
Barr, James M. M., London, England. Calculating machine. 1,487,703; Mar. 25.
Barr, James M. M., London, England. Communication of typed or registered numerical values to computing mechanisms. 1,487,704; Mar. 25.
Barrell, Charles, St. Petersburg, Fla. Automobile jack. 1,486,373; Mar. 25.
Barrows, Donald S., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Car underframe. 1,488,141; Mar. 25.
Barrows, Donald S., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Car underframe. 1,488,142; Mar. 25.
Barrows, Donald S., Rochester, assignor to The T. H. Symington Company, New York, N. Y. Car underframe. 1,488,143; Mar. 25.
Bartmess, Ernest L., Pekin, Ill. Drag-line-bucket cleaner. 1,487,910; Mar. 25.
Bateman, James B., Arlington, N. J., assignor to Bewtex Products Corporation, New York, N. Y. Advertising display card. 1,487,705; Mar. 25.
Baughman, Orland F., et al. (See Ormonde, Henry T., assignor.)
Bauroth, Leonhard, assignor to The Willys-Overland Company, Toledo, Ohio. Hand wheel. 1,488,308; Mar. 25.
Bayles, Albert J. (See Sturges, L., and Bayles.)
Bayok, Francis J., Perth Amboy, N. J. Shade bracket. 1,487,911; Mar. 25.
Beach, Herbert L. (See Williamson, J. S., and Beach.)
Bean Spray Pump Co. (See Cushman, Everett B., assignor.)
Beaumont, R. H., Company. (See Hale, William E., assignor.)
Behm, John J., Grand Haven, Mich. Shaper guide. 1,487,912; Mar. 25.
Bell, Joseph D., San Francisco, Calif. Sofa bedstead. 1,488,144; Mar. 25.
Bellhouse, Robert L., assignor to The Fine Cotton Spinners and Doublers Association Limited, Manchester, England. Combing machine. 1,488,374; Mar. 25.
Bellinger, Earl J. (See Kirkby, Jacques J., assignor.)
Bellows, Maud, Spirit Lake, Iowa. Insect-exterminating device. 1,488,145; Mar. 25.
Belt, Perley P., Fredonia, Kans. Phonograph motor. 1,487,913; Mar. 25.
Bennion, Charles F., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of boots and shoes. 1,487,706; Mar. 25.
Benoit, Joseph F., assignor to Sanford Mills, Sanford, Me. Loom. 1,487,833; Mar. 25.
Benton, Dudley C., San Diego, Calif. Golf club. 1,487,707; Mar. 25.
Berg, Morris J., St. Paul, Minn. Presser foot for sewing machines. 1,488,309; Mar. 25.
Bernard, James L., Beaver, Pa. Chuck. 1,487,708; Mar. 25.
Besser, Herman, Alpena, Mich. Fuel economizer and smoke-prevention mechanism. 1,487,709; Mar. 25.
Betz, Arthur. (See Fisher, H. J., and Betz.)
Bewtex Products Corporation. (See Bateman, James B., assignor.)
Biggs, Thomas A., Sioux City, Iowa, and A. E. Vance, Long Beach, Calif. Traveling copy for typists. 1,488,459; Mar. 25.
Birch-Field, Charles A., Larchmont, N. Y. Electric apparatus. 1,488,310; Mar. 25.
Blake, Byron S., Rochester, N. Y. Trellis. 1,488,380; Mar. 25.
Blanchard, George N., Oakland, Calif. Lathe attachment. 1,488,029; Mar. 25.
Blenkinsopp, Lawson. (See Johnson, Voley A., assignor.)
Blest, Minot C., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Hood for car wheels. 1,488,180; Mar. 25.
Bliss, Porter L., San Francisco, Calif. Combined refrigerator and ice-cream freezer. 1,487,710; Mar. 25.
Bliven, William C., assignor of one-half to C. N. Johnson, Vincennes, Ind. Window fixture. 1,488,030; Mar. 25.
Bloch, Georg, Boblingen, Wurttemberg, Germany. Computing board. 1,488,190; Mar. 25.
Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Reversible gauge. 1,487,834; Mar. 25.
Blood, Harold L., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Feed mechanism for planers. 1,487,711; Mar. 25.
Blood, Harold L., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Feed mechanism for planers. 1,487,712; Mar. 25.

Boa, Robert G. C., Herkimer, assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,487,999; Mar. 25.

Bontempi, Mario, New York, N. Y. Express coffeepot. 1,488,089; Mar. 25.

Booth, Joseph L., Virginia, Minn. Washing process and machine. 1,487,914; Mar. 25.

Botts, Robert H., Parker, Ariz. Tire pump. 1,487,835; Mar. 25.

Bowers, David, Laurel Springs, N. J. Hinge construction. 1,488,375; Mar. 25.

Bradner, Hosea T. (See Schurr, Charles H., assignor.)

Brady, Henry A. (See Waters, W., and Brady.)

Branch, Charles J., Philadelphia, Pa. Adjustable bracket for supporting wall radiators. 1,488,226; Mar. 25.

Breneman, Joseph T., et al. (See Hartman, John H., assignor.)

Bricken, John, Chicago, Ill. Pencil. 1,488,191; Mar. 25.

Bridgwood, Thomas, Stoke-on-Trent, England. Fastening device. 1,488,031; Mar. 25.

Briggs Manufacturing Company. (See Maise, Herman C., assignor.)

Bristol, William H., Waterbury, Conn. Method and apparatus for applying belt hooks. 1,488,227; Mar. 25.

British Dyestuffs Corporation Limited. (See Green, Arthur G. and S. J., assignors.)

Brock-Cochrane Company. (See Cochrane, Wilbur A., assignor.)

Brockband, Clarence J., assignor to Abrasive Company, Philadelphia, Pa. Purifying silicon-carbide crystals. 1,488,311; Mar. 25.

Broderick & Bascom Rope Co. (See Knopp, Louis A., assignor.)

Bronson, Harry E., Mineral, Wash. Trap. 1,488,312; Mar. 25.

Brothers, Eli, Lynn, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Upper-shaping machine. 1,487,915; Mar. 25.

Brown, Harry L., Newark, N. J. Oil-eduction apparatus. 1,487,836; Mar. 25.

Brown, James M. (See White, W. D., and Brown.)

Brown, Millard K., Eagle Grove, Iowa. Corn harvester. 1,487,916; Mar. 25.

Brown, Ray A., Rockford, Ill. Stereotype-casting machine. 1,488,146; Mar. 25.

Brun-Mill Company. (See Miller, Melville, assignor.)

Brunton, John L. and W. P., London, England. Control mechanism for the ignition levers of internal-combustion engines. 1,488,313; Mar. 25.

Brunton, William P. (See Brunton, John L. and W. P.)

Bryant, Stephen O., Bethany, Mo. Snake-poison extractor. 1,488,376; Mar. 25.

Bryen, George J., and R. B. Currie, Duquesne, Pa. Valve. 1,488,147; Mar. 25.

Bucher, Benjamin, Whitehouse, Ohio. Hoe. 1,487,713; Mar. 25.

Buck, Thomas F., New Castle, Pa. Safety fender for automobiles. 1,487,714; Mar. 25.

Bueckle, George, Brooklyn, N. Y. Therapeutic apparatus. 1,487,837; Mar. 25.

Bugbee, Lucian W., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Making a bifocal lens with merged surfaces. 1,487,715; Mar. 25.

Buhr, Jacob, assignor to C. Woodward, Cleveland, Ohio. Conduit baseboard. 1,488,090; Mar. 25.

Bull, George F., Birmingham, England. Case or container for tobacco cartridges. 1,488,091; Mar. 25.

Buncher, John H. (See Wright, Roland T., assignor.)

Burbank, Ralph N., Somerset, Mass. Antisagging adjunct for flexible beds. 1,488,092; Mar. 25.

Burdick Cabinet Co. (See Anderson, Fritz A., assignor.)

Burkhardt, Charles J., Hazleton, Pa. Pump system. 1,488,449; Mar. 25.

Burns, Jabez & Sons. (See Burns, William G., assignor.)

Burns, William G., assignor to Jabez Burns & Sons, New York, N. Y. Mixing bin. 1,488,228; Mar. 25.

Burns, William G., assignor to Jabez Burns & Sons, New York, N. Y. Movable gate for bins and the like. 1,488,229; Mar. 25.

Butler, Arthur C., Boston, Mass. Drawing mechanism. 1,487,716; Mar. 25.

Butler, J. L., et al. (See Keith, C. M., and Pumphrey, assignors.)

Büttnerwerke, Aktiengesellschaft. (See Sauber, Georg, assignor.)

Buzzini, Walter J. (See De Caino, V. A., and Buzzini.)

California Canning Machinery Co. (See Wilcox, George, assignor.)

California Cedar Products Company. (See Makowski, John F., assignor.)

Cameron, Perley W., West Haven, Conn. Kitchen utensil. 1,487,917; Mar. 25.

Canadian Linderman Company. (See Shaw, William C., assignor.)

Canedy-Otto Mfg. Co. (See Werth, George F., assignor.)

Capra, Benedetto, Sacramento, Calif. Doorcheck. 1,487,717; Mar. 25.

Carlson, Arden C., Rocanville, Saskatchewan, Canada. Farm gate. 1,488,427 Mar. 25.

Carlson, Harold S., Danbury, Conn. Indexing device for multiple-thread cutting. 1,488,148; Mar. 25.

Carpenter, Charles E., assignor to T-C Kit Strop Company, Chicago, Ill. Safety razor and the like. 1,488,093; Mar. 25.

Carraine, Eugene, Philadelphia, Pa. Illuminated sign. 1,488,314; Mar. 25.

Carrau, Mario, Montevideo, Uruguay. Funnel. 1,488,377; Mar. 25.

Carroll, John G., assignor of one-third to J. W. Thompson, Raleigh, N. C. Suspension means for railway box cars. 1,488,378; Mar. 25.

Carter, Anderson, Stallo, Miss. Clevis. 1,487,918; Mar. 25.

Carter, William, Company, The. (See Redmond, Harriet L., assignor.)

Cary, Francis M. (See Garibaldi, L. L., and Cary.)

Casgrain, Louis A., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe parts. 1,487,718; Mar. 25.

Castleman, Everett B., assignor to H. S. Clemmer, Spokane, Wash. Cleanser for artificial teeth. 1,488,315; Mar. 25.

Cavanagh, James, Dorchester, and L. E. Topham, Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-supporting jack. 1,488,094; Mar. 25.

Cawthron, George, Redwood City, assignor to Axford & De Shields, San Jose, Calif. Door handle. Des. 64,296; Mar. 25.

Central Brass Company, The. (See Mortimer, Charles B., assignor.)

Chace, John E., Adamsdale, Mass. Spool carrier for braiding machines. 1,488,032; Mar. 25.

Chaffee, Ida, Missoula, Mont. Thigh and calf legging. 1,488,379; Mar. 25.

Chambers, John H., Belfast, Ireland. Change-speed gear for self-propelled vehicles. 1,488,381; Mar. 25.

Chandler, Henry T., Marysville, Mich. Malleableizing iron. 1,487,719; Mar. 25.

Chase, Joseph E., Schenectady, assignor, by mesne assignments, to Van Wie & Chase Corporation, Gloversville, N. Y. Ice-cream-can lifter and carrier. 1,488,455; Mar. 25.

Cheney, Samuel, Guildford, Western Australia, Australia. Spark arrester. 1,487,838; Mar. 25.

Chicago Pump Company. (See Durdin, Augustus C., jr., assignor.)

Chisholm-Scott Company. (See McDonald, William, assignor.)

Chittenden, Edmund N., Johnson City, N. Y. Truss. 1,488,316; Mar. 25.

Chlorine Products Company. (See Jewell, Omar H., assignor.)

Christensen, Sander L., Willows, Calif. Automobile headlight. 1,487,720; Mar. 25.

Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)

Clare, Charles H., Salford, England. Chuck for holding tools and bars. 1,488,001; Mar. 25.

Claude, Georges, assignor to Societe l'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Alternate precipitation of sodium bicarbonate and ammonium chloride. 1,488,002; Mar. 25.

Claus, Emil A., New York, N. Y. String closure-affixing machine. 1,488,192; Mar. 25.

Claybourn, Leslie W., Menasha, Wis. Method of and apparatus for forming printing plates. 1,487,839; Mar. 25.

Clayton and Shuttleworth Limited et al. (See McGregor, Robert, assignor.)

Clayton, Lee, Maricopa, Calif. Cement bailer. 1,487,721; Mar. 25.

Clemmer, Howard S. (See Castleman, Everett B., assignor.)

Clifton, Harry G., Jacksonville, Fla. Direction-signaling apparatus for motor vehicles. 1,488,033; Mar. 25.

Coates, Frank B., Johnstown, Colo. Haystacker. 1,488,317; Mar. 25.

Cochrane, Wilbur A., Sea Cliff, N. Y., assignor to Brock-Cochrane Company. Acetylene lamp. 1,488,193; Mar. 25.

Coenders, August, Dusseldorf, Germany. Firearm. 1,487,722; Mar. 25.

Cohn, Leon, Paris, France. Bottle. Des. 64,297; Mar. 25.

Colbek, Lena. (See Tesche, Harry, assignor.)

Cole, Benjamin A., Anaheim, Calif. Toy pistol. 1,488,149; Mar. 25.

Cole, Eugene M., Charlotte, N. C. Seed-dropping mechanism. 1,487,919; Mar. 25.

Collins, John S. (See Robinson, B. C., and Collins.)

Commonwealth Steel Company. (See Posson, Edward, assignor.)

Compagnie des Forges et Acieries de la Marine et d'Homecourt. (See Rimailho, Emile, assignor.)

Conley, Edwin J., New York, and E. J. Whalen, Howard Beach, assignors to The Conley Foil Company, New York, N. Y. Machine for forming sealed foil packages. 1,487,840; Mar. 25.

Conley Foil Company, The. (See Conley, E. J., and Whalen, assignors.)

Conn, C. G., Ltd. (See Gulick, Edward J., assignor.)

Connell, Andrew J., assignor to Superior Steel Door and Trim Co., Inc., College Point, N. Y. Metal door. 1,488,005; Mar. 25.

Conrad, Henry S., trustee. (See Lundquist, Frank A., assignor.)

Corbitt, James H., Solomonville, Ariz. Land leveler. 1,487,723; Mar. 25.

Cornett, Alexander J. (See McCants, A. R., and Cornett.)

Corrigan, Nellie M., Kansas City, Mo. Lighting device for vehicles. 1,487,724; Mar. 25.

Cottingham, Edward L., Winnipeg, Manitoba, Canada. Means for delivering train orders. 1,488,318; Mar. 25.

Cowie, Jack B. (See Ruhlin, B., and Cowie.)

Craggs, Samuel L., Chicago, Ill. Tire tool. 1,488,096; Mar. 25.

Crane, Charles R., 2d, assignor to Crane Co., Chicago, Ill. Faucet. Des. 64,298; Mar. 25.

Crane Co. (See Crane, Charles R., 2d, assignor.)

Crane, William M. Company. (See O'Dowd, Henry W., assignor.)

Creger, Henry N., San Francisco, Calif. Dentifrice. 1,488,097; Mar. 25.

Crisp, Edith W. (See Crisp, Harry A., assignor.)

Crisp, Harry A., assignor to E. W. Crisp, St. Louis, Mo. Scrubbing machine. 1,488,457; Mar. 25.

Critharis, Constantinos, St. Louis, Mo. Automobile license-plate holder. 1,488,098; Mar. 25.

Crocker, Ernest B., Stratford, and O. W. Heise, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure gauge. 1,488,034; Mar. 25.

Crocker-Wheeler Company. (See Wheeler, Schuyler S., assignor.)

Crow, Robert O., Goldsboro, N. C. Clothespin. 1,488,382; Mar. 25.

Crow, Robert O., assignor of three-tenths to H. G. Maxwell, jr., Goldsboro, N. C. Paper clip. 1,488,383; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Lighting-fixture bracket. Des. 64,299; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier. Des. 64,300; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier. Des. 64,301; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier. Des. 64,302; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier. Des. 64,303; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Body for lighting fixtures. Des. 64,304; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Body for lighting fixtures. Des. 64,305; Mar. 25.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Brace for lighting fixtures. Des. 64,306; Mar. 25.

Crown Gas Radiator Company. (See Fisher, H. J., and Betz, assignors.)

Cruver, Laura E., assignor of one-half to O. M. Glass, Tacoma, Wash. Composition for the manufacture of laundry and toilet soap. 1,488,035; Mar. 25.

Cullison, Elasha D., Chicago, Ill. Radiator cap. 1,488,194; Mar. 25.

Cundiff, Isaac J., Chicago, Ill. Rivet set. 1,488,230; Mar. 25.

Currie, Raymond H. (See Bryen, G. J., and Currie.)

Cushman, Everett B., Lansing, Mich., assignor to Bean Spray Pump Co., San Jose, Calif. Power-unit assembly. 1,488,231; Mar. 25.

Dalboni, Carlo, et al. (See D'Onofrio, Luigi, assignor.)

Dalton, Hubert, New York, N. Y. Headstock. 1,488,232; Mar. 25.

Davidson, George E., Huntington, W. Va. Refrigerator. 1,487,725; Mar. 25.

Dawson, James B., Portland, Oreg. Fireplace heater. 1,488,195; Mar. 25.

Dawson, James B., Portland, Oreg. Andiron. 1,488,196; Mar. 25.

Dawson, Lawrence J., Kansas City, Mo. Emergency tire. 1,487,920; Mar. 25.

Debay, George C., Springdale, Pa. Machine for making cored blocks. 1,487,726; Mar. 25.

De Caino, Victor A. deceased, Union Hill, N. J., and W. J. Buzzini, White Plains, N. Y.; J. De Riso, executor, assignor to said Buzzini. Serving table. 1,488,319; Mar. 25.

Decelles, Joseph, Woonsocket, R. I. Wringing machine. 1,488,384; Mar. 25.

De Fernelmont, Leon, Clifton, N. J. Dental appliance. 1,488,099; Mar. 25.

Defiance Sales Corporation. (See MacIntyre, Esra T., assignor.)

De Grave, Michael J., Chicago, Ill. Photo-engraving. 1,487,727; Mar. 25.

Deisch, Jacob M., Nappanee, Ind. Valve. 1,487,921; Mar. 25.

Delaney, John S., Saugus, Mass. Scarfing machine. 1,487,841; Mar. 25.

Delk, James E., Marietta, Ga. Pump. 1,488,320; Mar. 25.

Demke, Albert H., Lakewood, Ohio, and D. K. Pope, Oklahoma City, assignors of one-third to W. A. Kelly, Sulphur, Okla. Automatic air shock absorber. 1,488,197; Mar. 25.

De Olaneta, Harold, assignor to Winchester Repeating Arms Company, New Haven, Conn. Dry cell. 1,487,728; Mar. 25.

De Riso, James, executor. (See De Caino, V. A., and Buzzini.)

Despang, Alfred, Brooklyn, N. Y. Toy aeroplane. 1,487,922; Mar. 25.

De Vilbiss, John A., assignor to G. Kapp, St. Louis, Mo. Buoyant device for swimmers. 1,487,923; Mar. 25.

Dewey, John J., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Drying apparatus. 1,488,198; Mar. 25.

De Witt-La France Company. (See De Witt, William P., assignor.)

De Witt, Walter M., Somerville, N. J., assignor to Johns-Manville, Incorporated. Molded fabric gasket and making same. 1,488,321; Mar. 25.

De Witt, William P., Somerville, assignor to De Witt-La France Company, Cambridge, Mass. Pencil with floating clutch. 1,488,385; Mar. 25.

Dews, Joseph W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener. 1,488,450; Mar. 25.

De Ybarrondo, Vincent, Los Angeles, Calif. Apparatus for developing motion-picture films. 1,487,729; Mar. 25.

Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting attachment for sewing machines. 1,488,233; Mar. 25.

Diehl, Frederick, and M. Hemleb, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electrically-driven sewing machine. 1,488,234; Mar. 25.

Disbro, Roger W., assignor to The W. S. Tyler Company, Cleveland, Ohio. Elevator inclosure. 1,488,100; Mar. 25.

Ditta Fratelli Borletti. (See Sandos, Charles, assignor.)

Dolenz, Anton, San Francisco, Calif. Making low-alcoholic-content beverage. 1,487,842; Mar. 25.

D'Onofrio, Luigi, assignor of one-third to C. Dalboni and one-third to A. Nocito, New York, N. Y. Machine for making cakes or wafers of toilet powder. 1,488,130; Mar. 25.

Doty, Leo J., Kansas City, Mo. Film-reel cover. 1,488,322; Mar. 25.

Dotzer, Leonard, New York, assignor to W. T. Jones, jr., Brooklyn, N. Y. Stone-dressing machine. 1,488,255; Mar. 25.

Dover, Horace W., Northampton, England. Hand wheel. 1,488,323; Mar. 25.

Doyle, Daniel, Verona, Calif. Belt puller. 1,487,924; Mar. 25.

Driger, Alexander B. (See Schröder, Hans W. C., assignor.)

Drake, John H., Oakland, Calif. Dehydrator. 1,488,324; Mar. 25.

Drake, Tom, and J. G. W. Field, Altrincham, England, assignors to Linotype and Machinery Limited, London, England. Escapement-actuating mechanism of typographical composing machines. 1,487,730; Mar. 25.

Draper Corporation. (See Snow, Isaac, assignor.)

Draper Corporation. (See Stafford, Alfred E., assignor.)

Draper Corporation. (See Stone, Melvin L., assignor.)

Dreuning, Percy B. (See Kadel, B. W., and Dreuning.)

Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating petroleum. 1,488,325; Mar. 25.

Dubee, Adelard J., Glens Falls, N. Y. Spark-plug cleaner. 1,488,326; Mar. 25.

Duck, Daniel F., Chicago, Ill. Sign. 1,488,236; Mar. 25.

Duckworth, George, Albert Park, Victoria, Australia. Treatment of skins. 1,488,101; Mar. 25.

Duesenberg, Frederick S., Indianapolis, Ind. Brake system. 1,488,102; Mar. 25.

Dubens, Constant L., Oroville, Calif. Picture reflector. 1,488,327; Mar. 25.

Duncan, William R., Chicago, Ill. Electric stop for phonographs. 1,488,428; Mar. 25.

Duplex Motion Picture Industries Inc. (See Vogetzer, Otto, assignor.)

Du Pont, E. I., de Nemours & Company. (See Sease, Virgil B., assignor.)

Durdin, Augustus C., jr., assignor to Chicago Pump Company, Chicago, Ill. Float-actuated electric switch-operating mechanism. 1,488,237; Mar. 25.

Durfee, Walter H., Providence, R. I. Chime mechanism. 1,488,036; Mar. 25.

Eagle Manufacturing Association. (See Fitzpatrick, Jeremiah J., assignor.)

Eagle-Picher Lead Company, The. (See Judge, M., and Hickman, assignors.)

Ecaubert, Frederic, New York, N. Y. Closure. 1,488,458; Mar. 25.

Eclipse Machine Company. (See McGrath, William L., assignor.)

Edelblute, Thomas H., Pittsburgh, Pa. Car replacer. 1,488,103; Mar. 25.

Ehrhardt, Erwin, Hermsdorf, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraphic transmitter. 1,488,003; Mar. 25.

Ehrsam, Frederick, Reading, Pa. Parting strip for windows. 1,488,104; Mar. 25.

Einig, Alvin B., assignor to The Motch & Merryweather Machinery Company, Cleveland, Ohio. Machine for milling crank eccentric shafts and the like. 1,487,843; Mar. 25.

Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,487,925; Mar. 25.

Ellmauer, Josef, assignor to Refrigo Corporation, Milwaukee, Wis. Automatic pressure safety control. 1,488,328; Mar. 25.

Ellmauer, Josef, assignor to Refrigo Corporation, Milwaukee, Wis. Automatic expansion valve. 1,488,329; Mar. 25.

Els, James G. (See White, J. R., and Els.)

Emmons, Harold H. (See Sweet, Ernest E., assignor.)

Enna, Ernst F. H., and A. Haahr, Copenhagen, Denmark; said Haahr assignor to said Enna. Eyelet-setting machine. 1,48 ,731; Mar. 25.

Enslin, Herbert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttoning machine. 1,487 ; Mar. 25.

Ermert, Carl, Cincinnati, Ohio. Toy couch. Des. 64,308; Mar. 25.

Evans, Thomas D., Phoenixville, Pa. Burglar-trapping apparatus. 1,487,9 ; Mar. 25.

Ever Moist Cigar Box Company. (See Harms, Otto W., assignor.)

Everitt, James, London, England. Clothes-hanging bar formed of hinged-together members. 1,488,330; Mar. 25.

Ewing, Harry E., Uniontown, Pa. Fuse. 1,487,927; Mar. 25.

Fahrner, Pius M., et al. (See Monroe, Walter M., assignor.)

Fahys, Joseph, Locust Valley, assignor to Joseph Fahys & Company, New York, N. Y. Watchcase bow. Des. 64,309; Mar. 25.

Fahys, Joseph, & Company. (See Fahys, Joseph, assignor.)

Falendysh, Sebastjan, Rochester, N. Y. Iron fence. 1,488,199; Mar. 25.

Fargo, Charles R., assignor to Wilson-Jones Loose Leaf Co., Chicago, Ill. Loose-leaf binder. 1,487,844; Mar. 25.

Fargo, Harry L., Ripon, Wis. Ash receiver. 1,487,733; Mar. 25.

Fay, George E., Chelsea, assignor of one-half to S. Gangi, S. Larrabee, and P. Searnici, East Boston, Mass. Variable table. 1,487,734; Mar. 25.

Fehr, Conrad, Paris, France. Forecarriage for motor cycles. 1,488,037; Mar. 25.

Ferris, George L., McArthur, Ohio, assignor to The Wellston Metal Products Co. Minnow bucket. 1,488,331; Mar. 25.

Field, Joseph G. W. (See Drake, T., and Field.)

Fifth Avenue Corset Company. (See Leonard, Joseph, assignor.)

Filipek, Stencel, Westview, Ohio. Window fixture. 1,487,928; Mar. 25.

Fine Cotton Spinners and Doublers Association Limited, The. (See Bellhouse, Robert L., assignor.)

Finkelstein, Morris S., New York, N. Y. Lock. 1,488,105; Mar. 25.

Fiorentino, Aldo, Milan, Italy. Apparatus for lifting and turning motor vehicles. 1,488,038; Mar. 25.

Fisher, Herman J., and A. Betz, assignors to Crown Gas Radiator Company, Pasadena, Calif. Gas radiator. 1,487,929; Mar. 25.

Fisher, Samuel, Baltimore, Md. Steam cloth-sponging machine. 1,488,039; Mar. 25.

Fisk Rubber Company, The. (See Mathys, Armond D., assignor.)

Fitz Gerald, Arthur G., Brookline, assignor to I. J. Webster, Haverhill, Mass. Air container. 1,488,004; Mar. 25.

Fitzpatrick, Jeremiah J., Tulsa, Okla., assignor to Eagle Manufacturing Association. Intake for oil-well pumps. 1,488,106; Mar. 25.

Flanders, Warren B., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,488,107; Mar. 25.

Fleischmann, William N. (See Roth, Albert B., assignor.)

Fleming, Charles A. (See Kendall, George M., assignor.)

Floyd, James L. (See Thomas, J. R., and Floyd.)

Foerg, Annie, New York, N. Y. Bath sponge. 1,488,332; Mar. 25.

Force, David E., Jersey City, N. J., and M. F. Quinte, Burbank, Calif. Emergency brake. 1,488,333; Mar. 25.

Ford Motor Company (See Simpson, Howard W., assignor.)

Forster, Andrew, Cowes, Isle of Wight, assignor to J. Samuel White & Company Limited, East Cowes, Isle of Wight, England. Distributing valve for steam engines. 1,487,930; Mar. 25.

Foster Brothers Manufacturing Company. (See Frank, William E., assignor.)

Frank, Benjamin M., New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Ornament for bedstead frames. Des. 64,310; Mar. 25.

Frank, Benjamin M., New York, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Ornament for bedstead frames. Des. 64,311; Mar. 25.

Frank, William E., assignor to Foster Brothers Manufacturing Company, St. Louis, Mo. Day bed. 1,487,931; Mar. 25.

Frants Manufacturing Company. (See Frants, Peter, assignor.)

Frants, Peter, assignor to Frants Manufacturing Company, Sterling, Ill. Door catch to hold the door open. 1,487,735; Mar. 25.

Freeman, Mary, New York, N. Y. Hair-coiling device. 1,488,005; Mar. 25.

Frey, Sigmund, assignor to Woolwine Metal Products Company, Los Angeles, Calif. Apparatus for making covers for canteens and other articles. 1,488,334; Mar. 25.

Fuld and Hatch Knitting Company. (See Thomayer, George T., assignor.)

Furlow, Laurence F. (See Oliver, Lavan, assignor.)

Galland, Britten, Salix, Iowa. Rapid tie changer. 1,488,040; Mar. 25.

Galusha, Albert L., Sharon, Mass. Gas-producer apparatus. 1,487,845; Mar. 25.

Galusha, Albert L., Sharon, Mass. Operating gas producers. 1,487,846; Mar. 25.

Gambill, William M., Merkel, Tex. Driving attachment for dental articulators. 1,488,335; Mar. 25.

Gangi, Salvatore, et al. (See Fay, George E., assignor.)

Garibaldi, Lester L., Hayward, and F. M. Cary, Oakland, Calif. Steaming and draining kettle. 1,488,150; Mar. 25.

Gätzi, Otto, Zurich, Switzerland. Turbine driven by water or steam. 1,488,108; Mar. 25.

Gehring, Henry, Cincinnati, Ohio. Slicing knife. 1,488,200; Mar. 25.

Gemayel, Joseph. (See Linke, Charles, assignor.)

Gemeinhardt, John, Little Falls, N. J. Cigarette case and lighter. 1,488,100; Mar. 25.

General Fuel Briquette Corp. (See Stillman, Albert L., assignor.)

General Oil Company of New Jersey. (See Kirby, James J., assignor.)

Gentsche, Fritz, Zeesen, near Konigswusterhausen, assignor to Luftfahrzeugban Schuette-Lanz, Mannheim-Rheinau, Germany. Landing apparatus for airships. 1,488,336; Mar. 25.

Gerds, Charles L. (See Schaar, W. A., and Gerds.)

Gernsback, Hugo, New York, N. Y. Electric valve. 1,488,337; Mar. 25.

Gibson, Harry W., Wellston, Ohio. Water-purifying apparatus. 1,488,041; Mar. 25.

Gilin, Oscar F., San Francisco, Calif. Valve-stem cover. 1,487,932; Mar. 25.

Gill Screw Associates. (See Wilson, C. R., and Scott, assignors.)

Gilmore, Ira L., Oklahoma City, Okla. Cotton-cleaning machine and boll breaker. 1,488,338; Mar. 25.

Girl, Christian, Kalamazoo, Mich. Side bumper for automobiles. 1,488,110; Mar. 25.

Girouard, Edouard P. C., and F. W. Salisbury-Jones, London, England. Reduction of ores. 1,488,386; Mar. 25.

Glasco, Mark A., assignor of one-half to H. Huntington, Columbus, Ohio. Heating attachment for vending machines. 1,488,201; Mar. 25.

Glass, Oscar M. (See Cruver, Laura E., assignor.)

Glatz, Charles S. (See Glatz, William and C. S.)

Glatz, William and C. S., Manchester, Mich. Mold. 1,487,847; Mar. 25.

Glenny, Arthur Hill-Trevor, Portsmouth, England. Index or means for indicating the duties and other data relating to persons or objects. 1,488,390; Mar. 25.

Goehringer, Bartholomew J., and R. A. Seger, Louisville, Ky. Tension weight for braid carriers. 1,488,111; Mar. 25.

Goeller, Robert A., assignor of one-half to B. Gross, New York, N. Y. Lever mechanism. 1,488,112; Mar. 25.

Goetz, Oscar H., Bridgeport, Conn., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Automobile bumper. Re16,800; Mar. 25.

Goldberg, Jacob, assignor of one-half to A. Kolsky, Philadelphia, Pa. Dental tool. 1,487,776; Mar. 25.

Goldberg, Jacob M. (See Goldberg, Louis B., N., J. M., and W.)

Goldberg, Louis B., N., J. M., and W., Denver, Colo. Camp-stove casing. 1,487,736; Mar. 25.

Goldberg, Louis B., N., J. M., and W., Denver, Colo. Portable liquid-fuel camp stove. 1,487,737; Mar. 25.

Goldberg, Nathan. (See Goldberg, Louis B., N., J. M., and W.)

Goldberg, William. (See Goldberg, Louis B., N., J. M., and W.)

Golinart, William A., Vallejo, Calif. Hoist. 1,487,848; Mar. 25.

Gonsouland, Henry P., Oakland, Calif. Toilet valve. 1,488,042; Mar. 25.

Gonsales, Enrique S., Santiago, Chile. Typewriter device. 1,488,113; Mar. 25.

Good Inventions Co. (See Good, John, assignor.)

Good, John, Garden City, N. Y., assignor to Good Inventions Co., New York, N. Y. Combustion apparatus. 1,488,238; Mar. 25.

Goodman, John E., Baldur, Manitoba, Canada. Wire-repair tool. 1,488,043; Mar. 25.

Goodrich, B. F., Company, The. (See Hoffman, Harry A., assignor.)

Goodwin, Charles E., Santa Ana, Calif., assignor to W. E. Ownby, Winthrop, Iowa. Razor strop. 1,487,933; Mar. 25.

Goodyear Tire & Rubber Company, The. (See Hoskin, Minard C., assignor.)

Goodyear Tire & Rubber Company, The. (See State, Will C., assignee.)

Gordon, George W., Newcastle, Ind. Water motor. 1,488,387; Mar. 25.

Gould, Aaron P., assignor to W. C. Meadows Mill Co., Northwilkesboro, N. C. Agitator. 1,487,934; Mar. 25.

Graham, William P., New York, N. Y. Plate or similar article. Des. 64,312; Mar. 25.

Graham, William P., New York, N. Y. Plate or similar article. Des. 64,313; Mar. 25.

Grauert, Edgar, Middlesex, N. J. Sealing means. 1,487,849; Mar. 25.

Gray, Bertram P., Sutton Coldfield, England. Apparatus for slaughtering cattle. 1,487,935; Mar. 25.

Green, Arthur G. and S. J., assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of phthalimide. 1,488,239; Mar. 25.

Green, Charles B., Chicago, Ill. Life-saving device. 1,487,936 Mar. 25.

Green, Stanley J. (See Green, Arthur G. and S. J.)

Green, William A. (See Luxton, William J., assignor.)

Greenpoint Metallic Bed Co. (See Frank, Benjamin M., assignor.)

Griffin, Lorne A., Evanston, Ill. Extension cord. 1,487,937; Mar. 25.

Groeberg, Charles E., Oakland, Calif. Supporter. 1,488,339; Mar. 25.

Grosclaude, Edward P. (See Miller, J. A., and Grosclaude.)

Gross, Benjamin. (See Goeller, Robert A., assignor.)

Grove, Winfield S., Manila, Philippine Islands. Fiber-cleaning machine. 1,487,738; Mar. 25.

Gruhn, William, Roslindale, Mass. Pendulum ball. 1,488,202; Mar. 25.

Gruss, Roland M., San Francisco, Calif. Shock absorber. 1,487,777; Mar. 25.

Gulick, Edward J., assignor to C. G. Conn, Ltd., Elkhart, Ind. Ornamentally-engraved metal and producing same. 1,488,240; Mar. 25.

Gustafson, Andrew G., Aurora, Ill. Wheel. 1,488,340; Mar. 25.

Haahr, Anton. (See Enna, E. F. H., and Haahr.)

Habermacher, Andrew J., Fort Worth, Tex. Fire box. 1,487,938; Mar. 25.

Hadley, Charles E., Los Angeles, Calif. Loose-leaf binder. 1,487,939; Mar. 25.

Hageman, John F., Anyox, British Columbia, Canada. Winding and dumping ratchet. 1,488,151; Mar. 25.

Hale, William E., Port Washington, assignor to E. H. Beaumont Company, Philadelphia, Pa. Interlocking means for controlling elevator mechanisms. 1,488,341; Mar. 25.

Hall, B. J., et al. (See Keith, C. M., and Pumphrey, assignors.)

Hall, Frank G., Philadelphia, Pa. Line-throwing gun. 1,487,778; Mar. 25.

Halsey, William S., Dover, N. J. Screw jack. 1,487,940; Mar. 25.

Hammett, Edwin D., Huntsville, Mo. Operating rack. 1,487,941; Mar. 25.

Hammond, John H., jr., Gloucester, Mass. Radio telegraphy and telephony. 1,488,114; Mar. 25.

Hammond, Theodore A. (See Hammond, William P. and T. A.)

Hammond, William P., Passaic, and T. A. Hammond, Rutherford, N. J., assignors to A. Schrader's Son, Inc., Brooklyn, N. Y. Inflation device. 1,487,851; Mar. 25.

Hanauer, Henry, Tolland, Mass. Spark indicator and intensifier for gasoline engines. 1,487,852; Mar. 25.

Handley, William C., Mount Vernon, N. Y. Brake mechanism. 1,487,853; Mar. 25.

Hansen, John M., Pittsburgh, Pa. Portable shop. 1,487,854; Mar. 25.

Hansen, John S., assignor to O. A. Miller Treeing Machine Company, Brockton, Mass. Adjustable shoe tree and stretcher. 1,488,115; Mar. 25.

Hardy, Herman F., near La Grange, N. C. Grape arbor. 1,487,779; Mar. 25.

Harlveau, Paul, Paris, France. Centrifugal pump. 1,488,889 Mar. 25.

Harley, Walter C., Oakland, Calif. Holder for drivers' licenses and automobile registration cards. 1,488,152; Mar. 25.

Harms, Otto W., assignor to Ever Moist Cigar Box Company, Chicago, Ill. Packing and vending cigars. 1,488,044; Mar. 25.

Harper, Arthur, London, England. Box for tablets of soap and other articles. 1,488,456; Mar. 25.

Harris, Vernon J., Adrian, Mich. Pan or plate lifter. 1,487,739; Mar. 25.

Harris, Vernon J., Detroit, Mich. Silencer. 1,488,241; Mar. 25.

Harris, Walter K., Lockhart, Tex. Pan lifter. 1,488,045; Mar. 25.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,488,242; Mar. 25.

Hartman, John H., assignor to J. H. Hartman and J. T. Breneman, trading as The Hubley Manufacturing Co., Lancaster, Pa. Toy pistol. 1,488,046; Mar. 25.

Hartman, John H., et al. (See Hartman, John H., assignor.)

Hasbrouck, Louis B., assignor of one-half to H. H. Van Ness, Elmira, N. Y. Die and die holder. 1,487,855; Mar. 25.

Hatcher, Ralph, assignor of one-half to F. Koss, Detroit, Mich. Shade. 1,487,780; Mar. 25.

Hathaway, Edgar F., Dorchester, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-leasing machine. 1,487,740; Mar. 25.

Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, Osterman, and Smith, assignors.)

Hauserman, Earl F., Cleveland Heights, L. D. Mowery, E. Osterman, Cleveland, and E. R. Smith, Lakewood, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic bins, shelving, and the like. 1,487,856; Mar. 25.

Haw, Jakob, Berlin, Germany. Propeller for aircraft. 1,488,243; Mar. 25.

Hazard, George E. (See Anstice, M. R., and Hazard.)

Heath, Harold D. (See Heath, William J. and H. D.)

Heath, William J. and H. D., Brooklyn, N. Y. Window construction. 1,488,116; Mar. 25.

Heise, Otto W. (See Crocker, E. B., and Heise.)

Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmission system. 1,488,006; Mar. 25.

Hemleb, Martin. (See Diehl, F., and Hemleb.)

Hendrickson, Frank R., Kinta, Okla. Dispensing and measuring cabinet. 1,488,342; Mar. 25.

Henry, Raymond. (See Mansfield, W. M., and Henry.)

Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company. Radial-flow turbine. 1,488,117; Mar. 25.

Hershey, Irving, Denver, Colo. Automatic film-shifting device for cameras. 1,487,741; Mar. 25.

Hibbert, David, Farnworth, near Bolton, England. Golf or caddie bag. 1,488,389; Mar 25.

Hickey, John H., Gold Creek, Mont. Treatment of matte from blast furnaces. 1,488,047; Mar. 25.

Hickman, Walter J. (See Judge, M., and Hickman.)

Hill, Charles and F., Brooklyn, N. Y. Handle for spring instruments. 1,488,118; Mar. 25.

Hill, Fred. (See Hill, Charles and F.)

Hill, Luther R., Colorado Springs, Colo. Safety apparatus for railway crossings. 1,488,439; Mar. 25.

Hill, Myron F., New York, N. Y. Dry dock. 1,487,742; Mar. 25.

Hines, Edwin G., and A. S. Stover, Weatherly, Pa. Dish drainer. 1,487,942; Mar. 25.

Hinton, Sebastian, Winnetka, assignor to Junglegym, Inc., Chicago, Ill. Climbing structure. 1,488,244; Mar. 25.

Hinton, Sebastian, Winnetka, assignor to Junglegym, Inc., Chicago, Ill. Climbing structure. 1,488,245; Mar. 25.

Hinton, Sebastian, Winnetka, assignor to Junglegym, Inc., Chicago, Ill. Climbing structure. 1,488,246; Mar. 25.

Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Humidifying apparatus. 1,487,743; Mar. 25.

Hoerman, Roman A. (See Walters, H., and Hoerman.)

Hoffman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making tire casings. 1,488,343; Mar. 24.

Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,488,247; Mar. 25.

Hollinger, Gordon, St. Jacobs, Ontario, Canada. Thrashing-machine attachment. 1,487,857; Mar. 25.

Holmquist, Albert C., Minneapolis, Minn. Household garbage burner. 1,487,943; Mar. 25.

Holswarth, Hans, Mulheim-on-the-Ruhr, Germany, assignor to Lignite Coal and By-Products Corporation, Minneapolis, Minn. Process and apparatus for heating rotary kilns. 1,488,248; Mar. 25.

Hopkins, Walter A., et al. (See Johnson, Chester W., assignor.)

Hopkinson, Ernest, New York, N. Y. Manufacture of weftless fabric. 1,488,048; Mar. 25.

Horne, James Q., Lock Haven, Pa., G. H. Reifsnider, Larchmont, and W. A. Rowley, Mamaroneck, N. Y. Sanitary lining for garbage cans. 1,488,203; Mar. 25.

Horst, Emil C., San Francisco, Calif. Separator. 1,488,249; Mar. 25.

Horwitt, Paul H., Brooklyn, assignor to Independent Paper Mills, Inc., New York, N. Y. Device for holding stacks of napkins and the like. 1,487,858; Mar. 25.

Horwitt, Paul H., assignor to Independent Paper Mills, Inc., Brooklyn, N. Y. Stand for napkins and the like. 1,487,859; Mar. 25.

Hoskin, Minard C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Valve. 1,488,391; Mar. 25.

Hottmann, Charles W., Philadelphia, Pa. Cutting machine. 1,488,250; Mar. 25.

House, Henry A., Bridgeport, Conn. Baking or cooking apparatus. 1,488,251; Mar. 25.

House, Henry A., Bridgeport, Conn. Baking process. 1,488,252; Mar. 25.

Howarth, Harry A. S., Pittsburgh, Pa. Gearing. 1,488,119; Mar. 25.

Howbrigg, Edwin, Belleville, N. J. Remade phonograph record and pressing same. 1,488,253; Mar. 25.

Howell, George E., Sterling, Ill. Safety device for motor vehicles. 1,487,944; Mar. 25.

Hubbard, Cecil R., assignor to The Mechanical Rubber Company, Cleveland, Ohio. Machine for skive splitting annular articles. 1,488,120; Mar. 25.

Hubley Manufacturing Co., The. (See Hartman, John H., assignor.)

Humphris, Frank, Parkstone, assignor of one-half to E. A. Roberts, London, England. Machine for forging nails or other articles. 1,488,344; Mar. 25.
Huntington, Hugh. (See Glasco, Mark A., assignor.)
Ilg Electric Ventilating Company. (See Sutcliffe, Arthur G., assignor.)
Illingworth, William H., Halifax, England. Electrical circuit breaker. 1,488,392; Mar. 25.
Independent Paper Mills, Inc. (See Horwitt, Paul H., assignor.)
Ingersoll-Rand Company. (See Tuttle, Grover G., assignor.)
International Harvester Company. (See Smith, Ernest C., assignor.)
International Signal Co., The. (See Webb, Jean F., jr., assignor.)
Jackson, Fred W., Needles, Calif. Plug retainer. 1,488,393; Mar. 25.
Jacobey, John. (See Bond, J., and Jacobey.)
Jahn, B., Manufacturing Company, The. (See Jahn, B., and Kahl, assignors.)
Jahn, Berthold, and E. E. Kahl, assignors to The B. Jahn Manufacturing Company, New Britain, Conn. Staple binder. 1,488,430; Mar. 25.
Jenkins, Alexander F., Baltimore, Md. Pressure regulator. 1,488,007; Mar. 25.
Jenkins, Thomas A., Jersey City, N. J. Ventilator. 1,488,345; Mar. 25.
Jensen, Hans E. T., Missoula, N. Y. Window tightener. 1,488,394; Mar. 25.
Jensen, Nels, Berlin, Wis. Plowpoint. 1,488,346; Mar. 25.
Jervis, Harry, Weirton, W. Va. Vehicle brake. 1,488,204; Mar. 25.
Jewell, Omar H., assignor to Chlorine Products Company, Chicago, Ill. Packing box. 1,488,153; Mar. 25.
Jeannes, Giuseppe, Turin, Italy. Radiator cap. Des. 64,314; Mar. 25.
Johns-Manville, Incorporated. (See De Witt, Walter M., assignor.)
Johnson, Bernard F., Jersey City, N. J. Automobile accessory. 1,488,254; Mar. 25.
Johnson, Charles N. (See Bliven, William C., assignor.)
Johnson, Chester W., Lexington, assignor of one-half to W. A. Hopkins, Brookline, Mass., and one-fourth to C. E. Tilton, Tilton, N. H. Apparatus for cleaning windshields. 1,488,121; Mar. 25.
Johnson, Samuel P., Longacre, W. Va. Track mechanism for automatic train stops. 1,487,781; Mar. 25.
Johnson, Tomlinson F., jr., Atlanta, Ga. Clamp for electrical conductors. 1,488,347; Mar. 25.
Johnson, Voley A., Ironton, Ohio, assignor of one-half to L. Blenkinsopp, Lexington, Ky. Door structure. 1,488,395; Mar. 25.
Johnson, Wilfred S., New York, N. Y. Safety apparatus. 1,488,396; Mar. 25.
Johnston, George W., St. Joseph, Mo. Combined fluid-pressure motor and pump. 1,487,946; Mar. 25.
Johnston, Isaac N., Los Angeles, Calif. Pulley. 1,487,945; Mar. 25.
Jones, Henry, Wilmington, Del. Faucet valve. 1,488,008; Mar. 25.
Jones, Jenkin, Newark, Ohio. Line-attaching device for transmission bands. 1,487,947; Mar. 25.
Jones, Wallace T., jr. (See Dotzer, Leonard, assignor.)
Judge, Michael, and W. J. Hickman, assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Pail. 1,488,397; Mar. 25.
Judge, Thomas J., Northboro, Mass. Jack for vehicles. 1,488,205; Mar. 25.
Juergens, Winfred H., assignor to The H. J. McCue Company, Cleveland, Ohio. Adjusting plug for measuring chambers. 1,488,122; Mar. 25.
Jungiegym, Inc. (See Hinton, Sebastian, assignor.)
Kadel, Byers W., Baltimore, Md. Car-door mechanism. 1,488,255; Mar. 25.
Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Draft rigging. 1,488,154; Mar. 25.
Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Brake wheel. 1,488,155; Mar. 25.
Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Journal box. 1,488,157; Mar. 25.
Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Draft yoke. 1,488,158; Mar. 25.
Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Draft rigging. 1,488,159; Mar. 25.
Kadel, Byers W., and P. R. Drenning, Baltimore, Md., assignors to The T. H. Symington Company, New York, N. Y. Cheek plate. 1,488,156; Mar. 25.
Kahl, Ernest E. (See Jahn, B., and Kahl.)
Kalbach, Raymond B., Philadelphia, Pa. Braid and making floor coverings therefrom. 1,487,860; Mar. 25.
Kane, Alfred, New York, N. Y. Radiator-cap light. 1,487,948; Mar. 25.
Kapp, George. (See De Vilbiss, John A., assignor.)
Katz, Samuel M., New York, N. Y. Name plate for a door. Des. 64,315; Mar. 25.
Kaufmann, Charles F., and W. L., Santa Ana, Calif. Lamp mounting. 1,487,949; Mar. 25.
Kaufmann, Waller L. (See Kaufmann, Charles F. L. and W. L.)
Kanmagraph Co. (See Marston, T., and Lawrence, assignors.)
Keenan, John J., New York, N. Y. Emergency traffic barrier. 1,487,861; Mar. 25.
Keiffer, Wylie, Perham, Minn. Attachment for potato-digging machines. 1,488,348; Mar. 26.
Keith, Charles M., and M. M. Pumphrey, assignors to B. J. Hall and J. L. Butler, Kansas City, Mo. Oil burner. 1,488,349; Mar. 25.
Kellogg Switchboard and Supply Company. (See Sparks, Charles, assignor.)
Kelly, William A. (See Demke, A. H., and Pope, assignors.)
Kendall, George M., assignor of one-half to C. A. Fleming, Weatherford, Tex. Fender brace. 1,487,782; Mar. 25.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. 1,487,783; Mar. 25.
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Keyboard mechanism for typographical machines. 1,487,784; Mar. 25.
Kershaw, Grindrod, Whitworth, England. Support for bobbins and the like. 1,488,123; Mar. 25.
Kerwin, Edward. (See Kerwin, John D., assignor.)
Kerwin, John D., assignor to E. Kerwin, Beloit, Wis. Grapple. 1,488,160; Mar. 25.
Khalil, Seyed, Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,488,124; Mar. 25.
Kikta, Alex, Flint, Mich. Automobile door lock. 1,488,350; Mar. 25.
Killan, Frank, Hamtramck, Mich. Shoemaker's tool. 1,488,351; Mar. 25.
Kimmerle, William J., Pittsburgh, Pa. Extension tray for ovens. 1,487,950; Mar. 25.
Klp, Frederic E., Montclair, N. J., assignor to The Salt's Textile Manufacturing Company, Bridgeport, Conn. Weft-controlling mechanism for looms. 1,488,352; Mar. 25.
Kirby, James J., Newark, N. J., assignor, by mesne assignments, of one-half to General Oil Company of New Jersey. Substitute fuel oil. 1,488,009; Mar. 25.
Kirkby, Jacques J., Clymer, assignor to E. J. Bellinger, Sherman, N. Y. Can-filling machine. 1,487,951; Mar. 25.
Kirkby, Jacques J., Clymer, assignor to E. J. Bellinger, Sherman, N. Y. Can-filling machine. 1,487,952; Mar. 25.
Kirsch, Charles W., Sturgis, Mich. Curtain fixture. 1,488,256; Mar. 25.
Kirsch, Charles W., Sturgis, Mich. Curtain rod and bracket. 1,488,257; Mar. 25.
Kirsch, Charles W., Sturgis, Mich. Curtain-rod bracket. 1,488,258; Mar. 25.
Kissinger, Elmer T., Creston, Ohio. Indicator for baling presses. 1,487,953; Mar. 25.
Kleinhesselink, Arie, Orange City, Iowa. Binding post. 1,487,954; Mar. 25.
Kline, Alvin H., Cedar Rapids, Iowa. Sprayer. 1,488,125; Mar. 25.
Kline, William H., assignor of one-fourth to J. W. Amidon and one-fourth to L. Lochner, Herscher, Ill. Detachable plowpoint. 1,488,398; Mar. 25.
Knight, Thomas L., et al. (See Shore, Frederick H., assignor.)
Knight, Wayne M., et al. (See Shore, Frederick H., assignor.)
Knopp, Louis A., assignor to Broderick & Bascom Rope Co., St. Louis, Mo. Tramway grip. 1,487,744; Mar. 25.
Knowles, Buford L., Chattahoochee, Fla. Bearing wrench. 1,487,785; Mar. 25.
Koenigkramer, Frank, Cincinnati, Ohio. Actuating mechanism. 1,488,206; Mar. 25.
Koken, Walter F., Webster Groves, Mo. Barber's chair. Des. 64,316; Mar. 25.
Koken, Walter F., Webster Groves, Mo. Barber's chair. Des. 64,317; Mar. 25.
Kolsky, Abraham. (See Goldberg, Jacob, assignor.)
Koss, Frank. (See Hatcher, Ralph, assignor.)
Kourkene, Haig, Becon-les-Bruyeres, assignor to E. N. Peterson, Asnieres, France. Surveying transit. 1,488,010; Mar. 25.
Krafft, Alfred, and E. Scott, Brooklyn, N. Y. Cleaning tool for electric fixtures. 1,487,745; Mar. 25.
Kruszynski, Stanley, Philadelphia, Pa. Flame extinguisher for lamp burners. 1,487,955; Mar. 25.
Kuhn, George W., and R. G. Ramsdell, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Signaling system. 1,488,207; Mar. 25.
Kukull, Mile, Farrell, Pa. Sheet-metal-plate-handling machine. 1,488,431; Mar. 25.
La Freniere, Archie, Seattle, Wash. Process and apparatus for the production of motion-picture films. 1,487,862; Mar. 25.
Lalama, Rafael Andrade, Quito, Ecuador. Telltale compass. 1,488,372; Mar. 25.
Lamb, Ford R., Redford, Mich. Stud driver. 1,487,746; Mar. 25.
Langston, Samuel M., Company. (See Langston, S. M., and Sieg, assignors.)

Langston, Samuel M., Wenonah, and K. Sieg, Brooklawn, assignors to Samuel M. Langston Company, Camden, N. J. Paper slitter and winder. 1,488,126; Mar. 25.
Lapiace, Dunbar G., and E. H. Moore, Woodville, Miss. Valve-pin-inserting tool. 1,488,208; Mar. 25.
Larzzara, Salvatore, et al. (See Fay, George E., assignor.)
Lassen, Waldemar H. C., St. Paul, Minn. Motion-picture-screen. 1,487,747; Mar. 25.
Latshaw, Maude B., Philadelphia, Pa. Washing machine. 1,488,353; Mar. 25.
Laughlin, Elmyr A., Oregon, Ill. Car mounting. 1,488,451; Mar. 25.
Lavigne, Joseph P., Detroit, Mich. Steering-gear lock. 1,487,863; Mar. 25.
Lawless, William T., London, Ontario, Canada. Water sleeve. 1,488,049; Mar. 25.
Lawrence, Jay F., Chicago, Ill. Self-heating soldering iron. 1,487,864; Mar. 25.
Lawrence, Winthrop S. (See Marston, T., and Lawrence.)
Leak, Charles, Centerville, Iowa. Railway track. 1,488,050; Mar. 25.
Lee, Leif, Youngstown, Ohio. Air-heating furnace. 1,488,011; Mar. 25.
Leguellinel, Pierre J., New York, N. Y. Laundry-tub cover. 1,487,786; Mar. 25.
Leibowitz, Joseph, New York, N. Y. Skirt marker. 1,487,956; Mar. 25.
Lemerle, Jacques L., Vincennes, France. Bellows. 1,488,354; Mar. 25.
Leonard, Joseph, assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa. Corset. 1,488,209; Mar. 25.
Leonard, Joseph, assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa. Brassière. 1,488,432; Mar. 25.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Handle construction for panel-board switches. 1,488,452; Mar. 25.
Levy, Nathan B., Cedarhurst, N. Y. Plastic material and making the same. 1,487,957; Mar. 25.
Lewis, Charles W., Portsmouth, N. H. Tie-handling machine. 1,488,210; Mar. 25.
Libbey Glass Manufacturing Company, The. (See Smyth, John F., assignor.)
Lignite Coal and By-Products Corporation. (See Holawarth, Hans, assignor.)
Lilienfeld, Leon, Vienna, Austria. Production of ethers of carbohydrates having the empirical formula $n(C_6H_{10}O_5)$, their conversion products and derivatives. 1,488,355; Mar. 25.
Lind, Axel E., Leadville, Colo. Shoe hook. 1,487,958; Mar. 25.
Lindsay, John P., Randsburg, Calif. Combination bolt and nut lock. 1,487,959; Mar. 25.
Lineburger, Charles E., Chicago, Ill. Oil cup. 1,487,865; Mar. 25.
Lineburger, Charles E., Chicago, Ill. Humidifier. 1,487,866; Mar. 25.
Link-Belt Company. (See Pratt, Howell D., assignor.)
Linké, Charles, assignor of one-half to J. Gemayel, Paris, France. Atomizer burner. 1,488,356; Mar. 25.
Linké, Charles, Paris, France. Method and apparatus for burning liquid fuel. 1,488,357; Mar. 25.
Linkman, Louis B., assignor to M. Linkman & Co., Chicago, Ill. Smoking pipe. 1,487,867; Mar. 25.
Linkman, M., & Co. (See Linkman, Louis B., assignor.)
Linotype and Machinery Limited. (See Drake, T., and Field, assignors.)
Little, James S., Windsor, Melbourne, Victoria, Australia. Clip for shirt collars. 1,488,012; Mar. 25.
Lochner, Louis, et al. (See Kline, William H., assignor.)
Loeffler, Andrew L., Cleveland, Ohio. Oil-well controlling-valve attachment. 1,488,211; Mar. 25.
Loeffler, William C., Pittsburgh, Pa. Flexible connecting conduit. 1,487,787; Mar. 25.
Lombardo, Carmelo C., and J. Mendola, Buffalo, N. Y. Candy-making machine. 1,487,788; Mar. 25.
London, William J. A., Springfield, Mass. Power-transmitting mechanism. 1,488,358; Mar. 25.
López, Salvador H., Mexico, Mexico. Steam generator. 1,488,359; Mar. 25.
Lorenz, Raymond R., Palmyra, Nebr. Figure polycycle. 1,487,868; Mar. 25.
Lozier, Jesse M., Humboldt, Ill. Demountable rim to carry pneumatic tires upon vehicle wheels. 1,488,360; Mar. 25.
Luftfahrzeugbau Schuette-Lanz. (See Gentseke, Fritz, assignor.)
Lukaszewski, John, Chicago, Ill. Automatic starter for phonographs. 1,488,399; Mar. 25.
Lundblad, Emil O., Medford, Mass. Hydraulic valve. 1,488,013; Mar. 25.
Lundin, Carl, Pittsburgh, Pa. Apparatus for producing gas. 1,487,869; Mar. 25.
Lundquist, Frank A., Chicago, Ill., assignor, by mesne assignments, to H. S. Conrad, trustee. Automatic telephone exchange. 1,487,870; Mar. 25.
Luxton, William J., Liverpool, assignor of one-half to W. A. Green, London, England. Apparatus for soldering canisters. 1,488,212; Mar. 25.
Macbeth-Evans Glass Company. (See Macbeth, George D., assignor.)
Macbeth, George D., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Gauge cover. 1,488,403; Mar. 25.
Macdonald, David B., Leicester, England. Method and apparatus for drying the toes of boots and shoes. 1,488,433; Mar. 25.
Macdonald, Harry P., Montclair, assignor to The Snead & Co. Iron Works, Jersey City, N. J. Junction of metal parts and joining such parts. 1,488,128; Mar. 25.
Machowski, Joe, Buffalo, N. Y. Safety pouch. 1,488,018; Mar. 25.
MacIntyre, Ezra T., Rye, assignor to Defiance Sales Corporation, New York, N. Y. Calendar stand. 1,488,261; Mar. 25.
Mackenzie-Hughes, Edward S. B., Dulwich, London, England. Spoke socket. 1,488,019; Mar. 25.
Maedgen, C. A. (See Sharbutt, James W., assignor.)
Maginnis, Eugene, Evanston, Ill. Dental oven. 1,488,262; Mar. 25.
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Window header finish strip. 1,487,748; Mar. 25.
Makowski, John F., assignor to California Cedar Products Company, Stockton, Calif. Formula for insoluble wall tints. 1,487,961; Mar. 25.
Mallory, Jacob T., et al. (See Pritchard, Nathaniel J., assignor.)
Mallory, John K., et al. (See Pritchard, Nathaniel J., assignor.)
Malone, John L., Whistler, Ala. Hydraulic jack. 1,488,020; Mar. 25.
Mandra, Charles, Corona, N. Y. Fusible plug. 1,488,263; Mar. 25.
Manning, Maxwell & Moore. (See Crocker, E. B., and Heise, assignor.)
Mansfield, Warren M., Moline, and R. Henry, Rock Island, assignors to Moline Plow Company Incorporated, Moline, Ill. Forged gear. 1,487,790; Mar. 25.
Manson, Robert W., Pittsburgh, Pa. Holder for stropping razor blades. 1,487,791; Mar. 25.
Manville, Oscar R., Breckenridge, Mo. Tool grinder. 1,487,962; Mar. 25.
Manzel, Charles W., Buffalo, N. Y. Propelling mechanism for airships and the like. 1,487,872; Mar. 25.
Marino, Mariano, Rochester, N. Y. Mop head. 1,488,021; Mar. 25.
Marston, Trowbridge, Morristown, N. J., and W. S. Lawrence, Brooklyn, assignors to Kaumagraph Co., New York, N. Y. Transfer ink for producing indelible markings. 1,487,873; Mar. 25.
Martin, Royal E., Mansfield, Ohio. Crib or the like. 1,488,264; Mar. 25.
Martus, Philip F., South Boston, Mass. Hot-handle grip. 1,487,749; Mar. 25.
Marvel Fresh Water System Corporation. (See Pfau, Otto R., assignor.)
Marx, Frederick P., St. Louis, Mo. Shank support. 1,487,792; Mar. 25.
Maschinenbau-Aktiengesellschaft H. Flottman & Comp. (See Schmidt, Alexander, assignor.)
Mason, Saul, South Bend, Ind. Toothbrush. 1,488,214; Mar. 25.
Mathews, Frank J., Deer Park, Wis. Churn timer. 1,487,793; Mar. 25.
Mathys, Armond D., Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire. Des. 64,318; Mar. 25.
Matsuo, Ichiro N., Chicago, Ill. Inflatable cover for lamps and the like. 1,488,265; Mar. 25.
Maxwell, Hugh G., jr. (See Crow, Robert O., assignor.)
McBee Binder Company, The. (See McBee, Charles F., assignor.)
McBee, Charles F., assignor to The McBee Binder Company, Athens, Ohio. Evener board for bookbinding machines. 1,488,259; Mar. 25.
McBee, Charles F., assignor to The McBee Binder Company, Athens, Ohio. Loose-leaf file. 1,488,260; Mar. 25.
McBride, Andrew B., Carthage, Mo. Movable partition. 1,487,789; Mar. 25.
McCants, Arve R., and A. J. Cornett, Shreveport, La. Valve lifter. 1,488,400; Mar. 25.
McCormick, Cyrus T., Fredericktown, Mo. Magazine tack hammer. 1,488,161; Mar. 25.
McCracken, Edward M., Scranton, Pa. T-square. 1,488,401; Mar. 25.
McCue, H. J., Company, The. (See Juergens, Winfred H., assignor.)
McDonald, Martin, Washington, D. C. Doorknob fastening. 1,488,014; Mar. 25.
McDonald, William, Green Bay, Wis., assignor to Chisholm-Scott Company, Columbus, Ohio. Green-pea viner. 1,488,015; Mar. 25.
McDonough, Joseph, and A. Wilkin, Edmonton, Alberta, Canada. Fuel saver. 1,488,051; Mar. 25.
McElroy, Elmer E., Youngstown, Ohio. Display rack. 1,488,213; Mar. 25.
McFarlane, Albert C., Hayward, Calif. Piston ring. 1,488,052; Mar. 25.
McGovern, Daniel F., Montpelier, Vt. Ironing wheel. 1,487,871; Mar. 25.
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,488,127; Mar. 25.

McGregor, Frank A., Crafton, assignor to J. M. Selden, Pittsburgh, Pa. Carrier for percussion caps. 1,488,016; Mar. 25.
McGregor, Robert, Ilford, assignor of one-third to Clayton and Shuttleworth, Limited, and one-third to P. W. Robson, Lincoln, England. Baffle for heating exchange apparatus. 1,488,015; Mar. 25.
McKellops, Leo G., St. Louis, Mo. Can opener. 1,488,402; Mar. 25.
McLaughlin, Bernard E., Detroit, Mich. Top support for paper-hangers' pasting tables. 1,487,960; Mar. 25.
McLaughlin, Francis L., Montreal, Quebec, Canada. Silencing device for typewriters and the like. 1,488,453; Mar. 25.
McNerny, Clyde J., Chattanooga, Tenn. Brake mechanism. 1,488,017; Mar. 25.
Meadows, W. C., Mill Co. (See Gould, Aaron P., assignor.)
Meaney, Edward M., et al. (See Monroe, Walter M., assignor.)
Mearns, John V., Malvern, near Melbourne, Victoria, Australia. Means for concrete construction. 1,487,963; Mar. 25.
Mechanical Rubber Company, The. (See Hubbard, Cecil R., assignor.)
Meets-a-Need Manufacturing Co. (See Adams, Rose, assignor.)
Melsun, Ernst, Indianapolis, Ind. Metal screen. 1,487,794; Mar. 25.
Mellen, William F., Cranford, N. J., assignor to Rubber Insulated Metals Corporation, New York, N. Y. Coupling. 1,488,266; Mar. 25.
Melton, John F., Chicago, Ill. Broom. 1,487,874; Mar. 25.
Mendola, Joseph. (See Lombardo, C. C., and Mendola.)
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
Meyer, Edward J., Lakewood, N. J. Vaporizing apparatus. 1,487,964; Mar. 25.
Meyers, John M., Pittsburgh, Pa. Pressure dumping hoist. 1,488,267; Mar. 25.
Michell, Anthony G. M., Melbourne, Victoria, Australia. Rotary reciprocating engine. 1,487,965; Mar. 25.
Mielke, Frank M., Duluth, Minn. Receptacle. 1,488,268; Mar. 25.
Mierzejewski, Alexander R., Chicago, Ill. Antiskid device. 1,488,269; Mar. 25.
Miller, David B., Greenfield, Mass. Diestock. 1,488,270; Mar. 25.
Miller, David B., Greenfield, Mass. Hexagonal die. 1,488,271; Mar. 25.
Miller, Frank, West Hoboken, N. J. Rolling pin. 1,488,215; Mar. 25.
Miller, George H., Lowell, Mass. Ventilator. 1,488,162; Mar. 25.
Miller, Harry. (See Baratz, D., and Miller.)
Miller, James A., and E. P. Grosclaude, assignors to Pyrene Manufacturing Company of Canada, Limited, Montreal, Quebec, Canada. Fire-extinguisher holder. 1,487,850; Mar. 25.
Miller, Joseph N., McHenry, Ill. Insect destroyer. 1,487,750; Mar. 25.
Miller, Melville, assignor to Brun-Mill Company, Pittsfield, Ill. Vanity case. 1,487,875; Mar. 25.
Miller-Metcalf, Walter, New Brighton, England. Roller skate. 1,487,966; Mar. 25.
Miller, O. A., Treeing Machine Company. (See Hansen, John S., assignor.)
Miller, Royal R., Chicago, Ill., assignor to Miller Traction Tread Company. Crawler-type track-laying tread attachment for automotive vehicles. 1,487,751; Mar. 25.
Miller Traction Tread Company. (See Miller, Royal R., assignor.)
Milner, Fred E., Markle, Ind. Removable engine-cylinder lining. 1,488,272; Mar. 25.
Milton, Joseph B., deceased, by L. V. Milton, administratrix, Enid, Okla. Gravity lock. 1,487,967; Mar. 25.
Milton, Lucile V., administratrix. (See Milton, Joseph B.)
Minerals Separation North American Corporation. (See Scott, Walter A., assignor.)
Minogue, Martin T., assignor to Automotive Appliance Company, Philadelphia, Pa. Gas-mixing device. 1,487,795; Mar. 25.
Molenar, William, Paterson, N. J. Milk-bottle receiver. 1,487,752; Mar. 25.
Moline Plow Company. (See Mansfield, W. M., and Henry, assignors.)
Monford, Harry M., Lebanon, Pa. Vapor-bath cabinet. 1,488,404; Mar. 25.
Monroe, Walter M., assignor of one-third to P. M. Fabrner and one-third to E. M. Meaney, Joliet, Ill. Automatic switch-operating device. 1,487,968; Mar. 25.
Moon, Arthur S., San Francisco, Calif. Mechanical sign. 1,488,405; Mar. 25.
Moore, Edward H. (See Laplace, D. G., and Moore.)
Moore, Lewis S., Minneapolis, Minn. Match box. 1,487,969; Mar. 25.
Moos, John P., Evanston, Ill. Washing machine. 1,487,753; Mar. 25.
Morgan, Jesse C., Portland, Oreg. Wheel. 1,488,022; Mar. 25.
Morrison, James, assignor to The Trailmobile Company, Cincinnati, Ohio. Semitrailer jack. 1,488,406; Mar. 25.
Mortensen, Cornelius, Louisville, Ky. Milk pasteurizer. 1,487,796; Mar. 25.
Mortimer, Charles B., assignor to The Central Brass Company, Cleveland, Ohio. Drinking fountain. 1,488,278; Mar. 25.
Morton, John G., Champaign, Ill. Transmission. 1,488,023; Mar. 25.
Motch & Merryweather Machinery Company. (See Emig, Alvin B., assignor.)
Mowery, Leroy D. (See Hauserman, E. F., Mowery, Osterman, and Smith.)
Mueller, John G., Dayton, Ohio. Railway brace. 1,487,876; Mar. 25.
Mueller, John G., Dayton, Ohio. Railway-rail brace. 1,487,877; Mar. 25.
Mueller, L. J., Furnace Company. (See Runnion, Don V., assignor.)
Murray, Alexander, Springfield, Mass. Making varnish. 1,488,274; Mar. 25.
Murray, Thomas M., Brooklyn, N. Y. Wheel. 1,487,754; Mar. 25.
Mushall, Frank, Chicago, Ill. Screen frame. 1,487,970; Mar. 25.
Mussy, Chester J. Baker, Oreg. Fuel vaporiser for internal-combustion engines. 1,488,054; Mar. 25.
Nagle, Joseph J. (See Renner, Charles W., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
Neilson, Mary D., Minneapolis, Minn. Undergarment of the bloomer type. 1,487,971; Mar. 25.
Nellis, Clarence C., Cold Brook, N. Y. Radiator cap. 1,488,129; Mar. 25.
Newberry, Andrew W., et al. (See Newberry, Spencer B., assignor.)
Newberry, Andrew W., executor. (See Newberry, Spencer B.)
Newberry, Arthur C., et al. (See Newberry, Spencer B., assignor.)
Newberry, Spencer B., deceased, Cleveland, Ohio; A. W. Newberry, executor, assignor of one-half to A. W. Newberry and one-half to A. C. Newberry. Kiln for recovery of by-products from fuel. 1,488,055; Mar. 25.
Nichols, Stephen, Denver, Colo. Stool. 1,488,024; Mar. 25.
Nichols, Troy R., Tonkawa, Mo. Means for cementing wells. 1,487,797; Mar. 25.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Nocito, Antonio, et al. (See D'Onofrio, Luigi, assignor.)
Norris, Paul R., Forest Hills Borough, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Battery box. Des. 64,319; Mar. 25.
Norris, Paul R., Forest Hills Borough, assignor to Westinghouse Union Battery Company, Swissvale, Pa. Battery box. Des. 64,320; Mar. 25.
Norris, Wilbur C. (See Barney, William R., assignor.)
Norstrom, N. E., Electric Manufacturing Company. (See Norstrom, Nils E., assignor.)
Norstrom, Nils E., assignor to N. E. Norstrom Electric Manufacturing Company, Chicago, Ill. Electromagnet. 1,488,275; Mar. 25.
Nowicki, Walter, Milwaukee, Wis. Scaffold bracket. 1,487,798; Mar. 25.
Nutt, William H., Newburyport, Mass. Shoe heel. Des. 64,321; Mar. 25.
O'Brien, Jno. Harry. (See O'Brien, John J. and J. H.)
O'Brien, John J. and J. H., Chicago, Ill. Fruit press. 1,488,276; Mar. 25.
O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Gas range. Des. 64,307; Mar. 25.
Oliver, Lavan, assignor of one-half to L. F. Furlow, East Vaughn, N. Mex. Egg crate. 1,487,878; Mar. 25.
Oneida Community, Limited. (See Allen, Grosvenor N., assignor.)
Onepiece Bifocal Lens Company. (See Bugbee, Lucian W., assignor.)
Ormonde, Henry T., assignor of one-half to O. F. Baughman and one-fourth to J. Roemer, Lakewood, Ohio. Combination ignition lock. 1,487,879; Mar. 25.
Ormonde, Henry T., assignor of one-half to O. F. Baughman and one-fourth to J. Roemer, Lakewood, Ohio. Combination ignition lock. 1,487,881; Mar. 25.
Orr, Elijah C., Deer Park, Wash. Circular-saw grinder. 1,488,056; Mar. 25.
Osborne, Robert E., Hamburg, N. Y. Ball joint. 1,488,277; Mar. 25.
Osterman, Robert. (See Hauserman, E. F., Mowery, Osterman, and Smith.)
Ott, Clarence F., Whittier, Calif. Recovering gases which are formed during the destructive distillation of wood. 1,488,278; Mar. 25.
Overton, Willis E., Baltimore, Md. Apparatus for treating organic material. 1,488,216; Mar. 25.
Owens, Robert J., Birmingham, Ala. Key-socket-operating attachment. 1,488,279; Mar. 25.
Ownby, W. E. (See Goodwin, Charles E., assignor.)
P & M Company, The. (See Warr, Harold G., assignor.)
Pacific Coast Borax Company. (See Rasor, Clarence M., assignor.)
Parker, Delbert H., Prescott, Wash. Harvester attachment. 1,487,882; Mar. 25.
Parks-Cramer Company. (See Hodge, William B., assignor.)

Peachey, Stanley J., Davenport, Stockport, England. Vulcanization of caoutchouc. 1,487,880; Mar. 25.
Pedersen, John D., Jackson, Wyo. Firearm. 1,487,799; Mar. 25.
Pedersen, John D., Jackson, Wyo. Firearm. 1,487,800; Mar. 25.
Pedersen, John D., Jackson, Wyo. Firearm. 1,487,801; Mar. 25.
Perkins, Oscar B., Grand Ledge, Mich. Motor-vehicle signal. 1,488,280; Mar. 25.
Perl, Alfred, Chemnitz, Germany. Manufacture of threads, films, ribbons, etc. 1,488,281; Mar. 25.
Perrine, Emmett E., Minneapolis, Minn. Vertical filing cabinet. 1,487,802; Mar. 25.
Petersen, Carl. (See Soine, O. and Petersen.)
Petersen, Hans, Milwaukee, Wis. Automobile signal lamp. Des. 64,322; Mar. 25.
Petersen, John, Madison, Wis. Automatic headlight reflector. 1,487,755; Mar. 25.
Petersen, Paul W., Bay City, Mich. Comestible container. 1,487,883; Mar. 25.
Peterson, Edmund N. (See Kourkene, Haig, assignor.)
Peterson, Gustave E., West Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Adjustable ring gauge. 1,487,803; Mar. 25.
Petterson, Per O., Malmo, Sweden. Water heater for kitchen ranges. 1,488,131; Mar. 25.
Playford Manufacturing Company. (See Sider, Samuel W., assignor.)
Plummer, Robert E., Jack River, Victoria, Australia. Tool for emasculating and tailing lambs. 1,487,972; Mar. 25.
Pfau, Otto R., Milwaukee, Wis., assignor, by mesne assignments, to Marvel Fresh Water System Corporation. Pneumatic pump and measuring apparatus. 1,487,756; Mar. 25.
Pfister, Emil F., Avant, Okla. Timer for internal-combustion engines. 1,488,434; Mar. 25.
Phillips, Kervin E., Prescott, Ariz. Combined notebook stand and vanity case. 1,488,282; Mar. 25.
Piano and Organ Supply Company. (See Semple, James R., assignor.)
Pickens, Julius A., Easley, S. C. Measuring device. 1,488,435; Mar. 25.
Pilz, Morris, New York, N. Y. Sheet-metal clothing closet or locker. 1,488,057; Mar. 25.
Pocock, Horace J., Kilburn, London, assignor of one-third to B. H. Rose and one-third to A. Rivarde, London, England. Internal-combustion engine. 1,488,163; Mar. 25.
Poirier, Joseph A., Woonsocket, R. I. Carriage for laying cloth. 1,487,884; Mar. 25.
Pollard, Edson T., Niagara Falls, N. Y. Stoneworking machine. 1,488,164; Mar. 25.
Pollock, William B., Company, The. (See Reilly, Edgar J., assignor.)
Poole, Arthur F., Kenilworth, Ill., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,488,058; Mar. 25.
Poorman, John G., Tinley Park, Ill. Incubator. 1,488,165; Mar. 25.
Pope, Daniel K. (See Demke, A. H., and Pope.)
Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nailing machine. 1,487,757; Mar. 25.
Poson, Edward, Chicago, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Support for buffing stems. 1,487,804; Mar. 25.
Pottratz, Otto H., New Albin, Iowa. Feed-grinding mill. 1,488,166; Mar. 25.
Poynter, Emery C., Mendon, Mo. Coin tray. 1,488,025; Mar. 25.
Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
Pratt & Whitney Company. (See Peterson, Gustave E., assignor.)
Pratt & Whitney Company. (See Tomlinson, William E., assignor.)
Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Storage system. 1,488,283; Mar. 25.
Pratt, Theodore, Glen Cove, N. Y. Internal-combustion engine. 1,488,132; Mar. 25.
Pressed Steel Car Company. (See Blest, Minot C., assignor.)
Prestek, Louis A., Seattle, Wash. Wrench. 1,488,217; Mar. 25.
Preston, William H., Denver, Colo. Toy catapult. 1,487,973; Mar. 25.
Pritchard, Nathaniel J., assignor of one-fourth to J. T. Mallory and one-fourth to J. K. Mallory, Santa Rosa, Calif. Scraper attachment. 1,488,059; Mar. 25.
Prouty, Lee B., Waterford, Calif. Automobile trunk rack. 1,487,974; Mar. 25.
Puchstein, Albert F., Columbus, Ohio. Device for making vector calculations. 1,487,805; Mar. 25.
Pugh, John D., Mount Washington, Baltimore, Md. Method of and apparatus for transporting slag. 1,488,436; Mar. 25.
Pumphrey, Max M. (See Keith, C. M., and Pumphrey.)
Pyne, John, Harrisburg, Pa. Corner guard. 1,488,060; Mar. 25.
Pyrene Manufacturing Company of Canada, Limited. (See Miller, J. A., and Grosclaude, assignors.)
Quinlan, Francis H., Barre, Vt. Truck. 1,488,061; Mar. 25.
Quinte, Michael F. (See Force, D. E., and Quinte.)
Rabideau, Emil, Bay City, Mich. Portable electric light. 1,487,758; Mar. 25.
Ramsdell, Roger G. (See Kuhn, G. W., and Ramsdell.)
Ramsdell, Roger G., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,488,167; Mar. 25.
Raphael, Sylvester, Brooklyn, N. Y. Fastening device. 1,487,885; Mar. 25.
Rasor, Clarence M., Los Angeles, Calif., assignor to Pacific Coast Borax Company. Separating colemanite from its gangue. 1,487,806; Mar. 25.
Redmond, Harriet L., Boston, assignor to The William Carter Company, Needham Heights, Mass. Infant's band. 1,488,407; Mar. 25.
Refrigo Corporation. (See Ellmauer, Josef, assignor.)
Reifsnider, Gordon H. (See Horne, J. Q., Reifsnider, and Rowley.)
Reilly, Edgar J., assignor to The William B. Pollock Company, Youngstown, Ohio. Ladle cover. 1,488,026; Mar. 25.
Remington Accounting Machine Corporation. (See Boa, Robert G. C., assignor.)
Remington Accounting Machine Corporation. (See Poole, Arthur F., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Renner, Charles W., Altoona, assignor of one-half to J. J. Nagle, Philadelphia, Pa. Headlight ray deflector. 1,488,284; Mar. 25.
Rettig, Rudolph C., Chicago, Ill. Fountain pen. 1,487,886; Mar. 25.
Rhoads, Harry E., assignor to The Willys-Overland Company, Toledo, Ohio. Valve-operating mechanism. 1,488,285; Mar. 25.
Rhoads, William P., New Bethlehem, Pa. Bracket. 1,488,437; Mar. 25.
Rich, John M., Seattle, Wash. Low-pressure alarm. 1,487,887; Mar. 25.
Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,487,888; Mar. 25.
Richmond, Louis E., Cleveland, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Relay. 1,488,134; Mar. 25.
Richter, Paul C., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Electric hoist. 1,488,286; Mar. 25.
Rickarby, Gustave C., Richmond Hill, N. Y. Advertising device. 1,487,889; Mar. 25.
Ricker, Benjamin J., Grinnell, Iowa. Glove or mitten structure. 1,488,133; Mar. 25.
Riddick, Charles, Epsom, England. Fastening of door handles and the like. 1,487,975; Mar. 25.
Riddle, Edward N., Co., The. (See Crowell, Frank S., assignor.)
Rimailho, Emile, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Device for regulating the flow of liquid in artillery brakes during the return to battery. 1,488,438; Mar. 25.
Rimailho, Emile, assignor to Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Cannon with variable charge. 1,488,439; Mar. 25.
Rivarde, Achille, et al. (See Pocock, Horace J., assignor.)
Roberts, Kenneth A. (See Humphris, Frank, assignor.)
Robertson, H. H., Company. (See Young, James H., assignor.)
Robinson, Bruce C., and J. S. Collins, Syracuse, N. Y. Ash-sifting attachment for stoves. 1,488,440; Mar. 25.
Robson, Philip W., et al. (See McGregor, Robert, assignor.)
Roemer, Julius, et al. (See Ormonde, Henry T., assignor.)
Rose, Eric H., et al. (See Pocock, Horace J., assignor.)
Rossi, Joseph, and J. Jacobey, Youngstown, Ohio. Shoe heel. 1,487,976; Mar. 25.
Roth, Albert B., Brooklyn, N. Y. Combined vending and weighing machine. 1,488,288; Mar. 25.
Roth, Albert B., Brooklyn, assignor, by mesne assignments, to W. N. Fleischmann, New York, N. Y. Coin box for coin-controlled mechanism. 1,488,287; Mar. 25.
Rousset, Jules, Nogent-sur-marne, France, assignor to Société Alsa, Société Anonyme, Basel, Switzerland. Hollow artificial textile manufacturing process. 1,487,807; Mar. 25.
Rowen, William T., Palo Alto, Calif. Shears. 1,487,808; Mar. 25.
Rowley, William A. (See Horne, J. Q., Reifsnider, and Rowley.)
Rubber Insulated Metals Corporation. (See Mellen, William F., assignor.)
Ruff, William J., Quincy, Ill. Fire extinguisher. 1,488,289; Mar. 25.
Ruhlin, Birger, and J. B. Cowie, assignors to Bangor Novelty Company, Bangor, Me. Ski press. 1,488,062; Mar. 25.
Runcie, Walter O., New York, N. Y. Producing and exhibiting pictures possessing stereoscopic relief and pictures produced by such method. 1,488,027; Mar. 25.
Runck, John J., Republican City, Nebr. Agricultural implement. 1,488,063; Mar. 25.

Runnion, Don V., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Furnace-casing-attaching means. 1,487,809; Mar. 25.

Ruoff, Raymond L., Prescott, Ariz. Automatic brake. 1,488,168; Mar. 25.

Ryan, John E., Stuart, Iowa. Stanchion and operating table for animals. 1,487,977; Mar. 25.

Rybeck, Adolph W., assignor to The T. L. Smith Company, Milwaukee, Wis. Tilting mechanism. 1,487,890; Mar. 25.

Rybeck, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Material-handling machine. 1,488,290; Mar. 25.

Rychiger, Rudolf, Thun, Switzerland. Semiautomatic firearm. Re157,801; Mar. 25.

Ryden, Axel, assignor to Appleton Electric Company, Chicago, Ill. Outlet box. 1,487,891; Mar. 25.

Ryden, Axel, assignor to Appleton Electric Company, Chicago, Ill. Outlet box. 1,487,892; Mar. 25.

Saart Brothers Company. (See Schulze, Richard J., assignor.)

Safar, John, Chicago, Ill. Coat and hat rack. Des. 64,323; Mar. 25.

Safety Tank Drainage Co. (See Sanders, John, assignor.)

St. Louis Car Company. (See Seelar, Luther F., assignor.)

Salerni, Piero M., Sydenham Hill, London, England. Safety razor. 1,487,169; Mar. 25.

Salisbury-Jones, Frederick W. (See Girouard, E. P. C., and Salisbury-Jones.)

Salt's Textile Manufacturing Company, The. (See Kip, Frederic E., assignor.)

Sanders, John, assignor to Safety Tank Drainage Co., a common law trust; E. M. Davis, J. B. Forshay, John Sanders, C. E. Wampler, L. K. Haney, and Carle Whitehead, trustees, Denver, Colo. Quick-release device for tank closures. 1,488,441; Mar. 25.

Sandoz, Charles, assignor to Ditta Fratelli Borletti, Milan, Italy. Rotary pump. 1,488,170; Mar. 25.

Sandweg, Carl, Lauterfield, near Barmen, Germany. Braiding and lace-making machine. 1,488,064; Mar. 25.

Sanford Mills. (See Benoit, Joseph F., assignor.)

Sargent, George H., Chicago, Ill. Water gauge. 1,488,065; Mar. 25.

Sauber, Georg, assignor to the Firm Büttnerwerke, Aktiengesellschaft, Uerdingen-on-the-Rhine, Germany. Drying drum. 1,487,893; Mar. 25.

Saukkonen, Eino, Rosslyn Heights, N. Y. Garment hanger. 1,487,810; Mar. 25.

Savidge, Albert C., Indianapolis, Ind. Vacuum pump. 1,488,171; Mar. 25.

Savage, Edward S., Rochester, N. Y. Feeding sheets. 1,487,811; Mar. 25.

Schaar, William A., and C. L. Gerds, Chicago, Ill. Vision shield for vehicles. 1,487,978; Mar. 25.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf ledger. 1,487,979; Mar. 25.

Schaffer, Jacob I., New York, assignor to Slote & Schaffer, Mount Vernon, N. Y. Belt slide. Des. 64,324; Mar. 25.

Scheer, Aaron E., Minneapolis, Minn. Collapsible carpenter's tool box. 1,488,460; Mar. 25.

Schell, Carl A., Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Centering device for flexible couplings. 1,488,291; Mar. 25.

Schmidt, Alexander, Dorog, Hungary, assignor to the Firm of Maschinenbau-Aktiengesellschaft H. Flottman & Comp., Herne, Germany. Tunneling or mining machine. 1,488,066; Mar. 25.

Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ejector. 1,488,135; Mar. 25.

Schneider & Cie. (See Schneider, Eugène, assignor.)

Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Apparatus for emptying the water-ballast tanks of submarines and other submersible vessels. 1,488,067; Mar. 25.

Schneider, Hermann. (See Straub, F., and Schneider.)

Schofield, Edgar, Long Lawford, England. Pipe-framed metal wheelbarrows or the like. 1,488,176; Mar. 25.

Scholle, Gustav F., Concordia, Mo. Automatic poultry-feed regulator. 1,488,028; Mar. 25.

Schonfield, William, London, England. Adjustable stay for doors, windows, fanlights, and the like. 1,488,292; Mar. 25.

Schrader's, A., Son, Inc. (See Hammond, William P. and T. A., assignors.)

Schreier, Herman, Sheboygan, Wis. Cement brickmaking machines. 1,487,812; Mar. 25.

Schröder, Hans W. C., Lubeck, assignor to A. B. Driger, Finkenberg, Lubeck, Germany. Artificial-breathing apparatus. 1,488,442; Mar. 25.

Schulze, Richard J., Brooklyn, N. Y., assignor to Saart Brothers Company. Hand mirror or similar article. Des. 64,325; Mar. 25.

Schumacher, John, Los Angeles, Calif. Making plasterboard lath. 1,487,894; Mar. 25.

Schurr, Charles H., assignor to H. T. Bradner, Cleveland, Ohio. Worm-wheel generating machine. 1,487,895; Mar. 25.

Schuster, Fritz, Chemnitz, Germany. Method of and device for finishing textile articles. 1,488,293; Mar. 25.

Schwab, Charles W. (See Ziganek, F., and Schwab.)

Schwantes, Otto R., Clintonville, Wis. Washing machine. 1,487,896; Mar. 25.

Schwartz, Alfred J., Detroit, Mich. Operating lever for accelerators. 1,487,813; Mar. 25.

Schwartz, Sam, Indianola, Miss. Combined foot rest and measure. 1,488,068; Mar. 25.

Schwier, William, Seattle, Wash. Monorail frog. 1,488,443; Mar. 25.

Scott, Charles R. (See Wilson, C. R., and Scott.)

Scott, Edward. (See Kraft, A., and Scott.)

Scott-Moncrieff, William D., Brighton, England. Apparatus for charging and discharging retorts. 1,488,861; Mar. 25.

Scott, Walter A., Chicago, Ill., assignor to Minerals Separation North American Corporation. Ore concentration. Re15,802; Mar. 25.

Scovill Manufacturing Company. (See Dewa, Joseph W., assignor.)

Seago, George W., Hemphill, Tex. Nut lock. 1,488,069; Mar. 25.

Searnicl, Philip, et al. (See Fay, George E., assignor.)

Sease, Virgil B., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose-acetate film. 1,488,294; Mar. 25.

Seelar, Luther F., assignor to St. Louis Car Company, St. Louis, Mo. Platform support for railway cars. 1,487,814; Mar. 25.

Seger, Robert A. (See Goehringer, B. J., and Seger.)

Seifert, Frank E., Somerville, N. J. Lock washer. 1,488,070; Mar. 25.

Selden, James M. (See McGregor, Frank A., assignor.)

Semet-Solvay Company. (See Torrey, Bates, jr.)

Semple, James R., assignor to Piano and Organ Supply Company, Chicago, Ill. Machine for forming and inserting bushings in piano actions. 1,488,172; Mar. 25.

Sharbutt, James W., assignor of one-half to C. A. Maedgen, Troy, Tex. Garment-securing means for belt buckles. 1,487,897; Mar. 25.

Shartle, Charles W., Middletown, Ohio. Apparatus for manufacturing pulp. 1,488,218; Mar. 25.

Shartle, Charles W., Middletown, Ohio. Apparatus for salvaging usable materials from street sweepings and dump stock. 1,488,219; Mar. 25.

Shaw, William C., assignor to Canadian Linderman Company, Limited, Woodstock, Ontario, Canada. Engine-lathe turret. 1,488,071; Mar. 25.

Shea, John P., Boston, Mass. Tonsorial appliance. 1,488,444; Mar. 25.

Shore, Frederick H., assignor of one-half to W. M. Knight and T. L. Knight, San Diego, Calif. Vehicle head lamp. 1,488,072; Mar. 25.

Sida, Julius, jr., Indianapolis, Ind. Comb. 1,488,862; Mar. 25.

Sider, Samuel W., assignor to Playford Manufacturing Company, Logansport, Ind. Building. 1,488,177; Mar. 25.

Sieg, Karl. (See Langston, S. M., and Sieg.)

Siemens & Halske, Aktiengesellschaft. (See Ehrhardt, Erwin, assignor.)

Silberman, David, Brooklyn, N. Y. Fastener strip. 1,488,363; Mar. 25.

Simonsen, Johan C., Detroit, Mich. Puppet valve. 1,487,815; Mar. 25.

Simpson, Howard W., Dearborn, assignor to Ford Motor Company, Detroit, Mich. Fender and safeguard for tractors. 1,488,136; Mar. 25.

Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)

Singer Manufacturing Company, The. (See Diehl, F., and Hemleb, assignors.)

Sintzel, Leonard T., Venice, Calif. Advertising device. 1,487,816; Mar. 25.

Sirrine, William G., Greenville, S. C. Clothes frame. 1,488,445; Mar. 25.

Skinner, Ralph L., Sacramento, Calif. Vehicle wheel gauge. 1,487,759; Mar. 25.

Sloan, James I., Kansas City, Mo. Coffeepot. 1,487,817; Mar. 25.

Sloan, James W., Tulsa, Okla. Bailer bottom. 1,487,760; Mar. 25.

Slote & Schaffer. (See Schaffer, Jacob I., assignor.)

Small, William E., Brooklyn, N. Y. Heel-building device. 1,487,980; Mar. 25.

Smith, Daniel W., Bangor, Me. Sawing machine. 1,488,073; Mar. 25.

Smith, Earl R. (See Hauserman, E. F., Mowery, Osterman, and Smith.)

Smith, Ernest C., Chicago, Ill., assignor to International Harvester Company. Front-truck construction for spreaders. 1,488,173; Mar. 25.

Smith, Jerry T. (See Tippett, W. E., and Smith.)

Smith, Melvin H., Pretty Prairie, Kans. Crossing signal. 1,487,981; Mar. 25.

Smith, T. L., Company, The. (See Rybeck, Adolph W., assignor.)

Smyth, John F., assignor to The Libby Glass Manufacturing Company, Toledo, Ohio. Glass tumbler or similar article of manufacture. Des. 64,326; Mar. 25.

Saead & Co. Iron Works, The. (See Macdonald, Harry P., assignor.)

Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,488,408; Mar. 25.

Snyder, Carl, Cleveland, Ohio. Hose apparatus. 1,488,364; Mar. 25.

Société Alsa, Société Anonyme. (See Rousset, Jules, assignor.)

Societe l'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. (See Claude, Georges, assignor.)

Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)

Soiné, Otto, and C. Petersen, assignors to Amme, Giesecke & Konegen, Aktiengesellschaft, Braunschweig, Brunswick, Germany. Apparatus for dispensing powderous matter. 1,488,074; Mar. 25.

Solar-Sturges Manufacturing Company. (See Sturges, L., and Bayles, assignors.)

Sorg, Alexander, New York, N. Y. Window. 1,488,295; Mar. 25.

Sorrells, James A., Gainesville, Ga. Brake mechanism for looms. 1,487,982; Mar. 25.

Sparks, Charles, Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,487,761; Mar. 25.

Spellings, Gideon C., Huntingdon, Tenn. Signal for railway cars. 1,487,818; Mar. 25.

Spencer, Stephen W. (See Wilcox, Winthrop H., assignor.)

Spiegel, Charles E. A., New York, N. Y. Pneumatic-tire tread. Des. 64,327; Mar. 25.

Spuhr, Max, Werden-Ruhr, Germany. Rotary disk valve. 1,487,762; Mar. 25.

Stafford, Alfred E., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. 1,488,137; Mar. 25.

Standard Motor Company Limited, The. (See Turner, Walter R., assignor.)

Standard Oil Company of Kentucky. (See Whitelaw, Arthur K., assignor.)

State, Will C., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Method of and apparatus for curing inner tubes. 1,488,409; Mar. 25.

Steele, Lawrence C., Pittsburgh, Pa. Rolling-mill catcher. 1,487,819; Mar. 25.

Stevens, Harry P., assignor to Stevens Motors, Inc., New York, N. Y. Packing ring. 1,488,296; Mar. 25.

Stevens, Milton E., Riverton, Nebr. Valve lifter. 1,488,174; Mar. 25.

Stevens Motors, Inc. (See Stevens, Harry P., assignor.)

Stevens, Norman, Mount Morris, Mich. License-tag holder. 1,488,220; Mar. 25.

Stevenson, Claremond T., administratrix. (See Stevenson, Robert T.)

Stevenson Gear Company. (See Stevenson, George R., assignor.)

Stevenson, George R., assignor to Stevenson Gear Company, Indianapolis, Ind. Machine for forming gears or other polygonal articles. 1,488,446; Mar. 25.

Stevenson, Robert T., deceased; C. T. Stevenson, administratrix, assignor to The Stevenson Sales Company, Chicago, Ill. Can opener. 1,487,820; Mar. 25.

Stevenson Sales Company, The. (See Stevenson, Robert T., assignor.)

Stewart-Warner Speedometer Corporation. (See Goetz, Oscar H., assignor.)

Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Brake mechanism. 1,487,763; Mar. 25.

Stillman, Albert L., Plainfield, N. J., assignor to The General Fuel Briquette Corp., New York, N. Y. Briquetting peat or humus. 1,487,764; Mar. 25.

Stiriss, Jacob, Arverne, N. Y. Portable electric flash lamp. 1,487,983; Mar. 25.

Stoakes, Ernest, Birmingham, England. Valve-spring retainer. 1,488,365; Mar. 25.

Stolp, Roy C., Chicago, Ill. Smoke indicating and recording device. 1,487,898; Mar. 25.

Stoltenberg, Louis, Walcott, Iowa. Potato-picking machine. 1,487,821; Mar. 25.

Stone, Melvin L., Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,488,410; Mar. 25.

Stover, Anna S. (See Hines, E. G., and Stover.)

Strain, Charles A., Los Angeles, Calif. Collapsible vehicle bed. 1,487,984; Mar. 25.

Strandell, Johannes G. A., Chicago, Ill. Connecter. 1,488,175; Mar. 25.

Straub, Fritz, Basel, and H. Schneider, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff containing chromium and manufacture of same. 1,488,411; Mar. 25.

Stuber, Charles E. (See Vail, J. E., and Stuber.)

Stuchlik, John M., Roundup, Mont. Dividers. 1,488,866; Mar. 25.

Stuits, Ernest L., assignor to Western Cabinet & Fixture Mfg. Co., Kansas City, Mo. Refrigerator. 1,487,765; Mar. 25.

Sturges, Lee, Elmhurst, and A. J. Bayles, Melrose Park, assignors to Solar-Sturges Manufacturing Company, Chicago, Ill. Machine for embossing articles. 1,487,890; Mar. 25.

Sudetic, David, Youngstown, Ohio. Gas producer. 1,487,985; Mar. 25.

Superior Iron Works Company. (See Zimmerman, Frank R., assignor.)

Superior Steel Door and Trim Co. (See Connell, Andrew J., assignor.)

Sutcliffe, Arthur G., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Protective device for ventilating fans. 1,487,766; Mar. 25.

Sweet, Ernest E., assignor, by mesne assignments, to H. H. Emmons, Detroit, Mich. Tank for tractors, etc. 1,487,986; Mar. 25.

Swissgabel, Charles F., Dayton, Ohio. Drill-press chucking vise. 1,488,221; Mar. 25.

Sylvan, Joseph, Cicero, Ill. Building ventilator construction. 1,487,767; Mar. 25.

Symington, T. H., Company, The. (See Barrows, Donald S., assignor.)

Symington, T. H., Company, The. (See Kadel, Byers W., assignor.)

Symington, T. H., Company, The. (See Kadel, B. W., and Drenning, assignors.)

T & L Co., The. (See Tueckmantel, Hugo, assignor.)

T-C Kit Strop Company. (See Carpenter, Charles E., assignor.)

Taraborrelli, Alessandro, Providence, R. I. Cigarette holder. 1,488,412; Mar. 25.

Taylor, James H., Pasadena, Calif. Door lock. 1,487,987; Mar. 25.

Taylor, Ralph T., assignor to W. A. Taylor & Sons, Pasadena, Calif. Collapsible form. 1,488,075; Mar. 25.

Taylor, W. A., & Sons. (See Taylor, Ralph T., assignor.)

Tebo, Moses E., Laurel, Mont. Bath fixture. 1,488,076; Mar. 25.

Teich, Ernest L., assignor to The American Hardware Corporation, New Britain, Conn. Pin-tumbler lock. 1,487,900; Mar. 25.

Tesche, Harry, New Westminster, British Columbia, assignor of one-half to L. Colbek, Vancouver, British Columbia, Canada. Automobile radiator-filling bucket. 1,487,988; Mar. 25.

Thermoid Rubber Company. (See Schell, Carl A., assignor.)

Thibert, Napoleon R., Worcester, Mass. Metal-working tool. 1,488,222; Mar. 25.

Thibert, Paul D., Springfield, Mass. Lock nut. 1,488,223; Mar. 25.

Thomas, James R., and J. L. Floyd, Kenton, Tenn. Insect trap. 1,488,178; Mar. 25.

Thomayer, George T., Albany, N. Y., assignor to Fuld and Hatch Knitting Company. Yarn-dyeing machine. 1,488,297; Mar. 25.

Thomayer, George T., Albany, N. Y., assignor to Fuld and Hatch Knitting Company. Yarn-dyeing machine. 1,488,298; Mar. 25.

Thomayer, George T., Albany, N. Y., assignor to Fuld and Hatch Knitting Company. Yarn-dyeing device. 1,488,299; Mar. 25.

Thompson, John W. (See Carroll, John G., assignor.)

Thompson, Samuel H., Collbran, Ala. Post and bracket for mail boxes. 1,488,300; Mar. 25.

Tilton, Charles E., et al. (See Johnson, Chester W., assignor.)

Tippett, William E., Washington, D. C., and J. T. Smith, Bethesda, Md. Curtain holding and releasing device. 1,488,367; Mar. 25.

Tomlinson, William R., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Cherrying attachment. 1,487,822; Mar. 25.

Topham, Laurence E. (See Cavanagh J., and Topham.)

Topping, John A., Chicago, Ill., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Flexible shingle. 1,488,447; Mar. 25.

Torrey, Bates, jr., Syracuse, assignor to Semet-Solvay Company, Solvay, N. Y. Process of and apparatus for recovering the ammonia content of coal gas. 1,487,768; Mar. 25.

Towne, William R., Columbus, Ohio. Fire escape. 1,488,413; Mar. 25.

Tueckmantel, Hugo, assignor to The T & L Co. Inc., Newark, N. J. Bag-frame lock. 1,488,301; Mar. 25.

Turner, Andrew L., Kiefer, Okla. Dimmer. 1,487,823; Mar. 25.

Turner, Walter R., assignor to The Standard Motor Company Limited, Coventry, England. Change-speed-gear-operating mechanism. 1,488,077; Mar. 25.

Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston valve for compressors. 1,487,769; Mar. 25.

Tuttle, Grover G., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston valve for compressors. 1,487,770; Mar. 25.

Trachtenberg, Samuel, Cleveland, Ohio. Comb. 1,487,901; Mar. 25.

Trailmobile Company, The. (See Morrison, James, assignor.)

Trimbach, Frank C., Dayton, Ohio. Caster. 1,487,902; Mar. 25.

Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)

Tyler, W. S., Company, The. (See Disbro, Roger W., assignor.)

Underwood Typewriter Company. (See Khalil, Seyed, assignor.)

United Shoe Machinery Corporation. (See Bennion, Charles F., assignor.)

United Shoe Machinery Corporation. (See Brothers, Eli, assignor.)

United Shoe Machinery Corporation. (See Casgrain, Louis A., assignor.)

United Shoe Machinery Corporation. (See Cavanagh, J., and Topham, assignors.)
United Shoe Machinery Corporation. (See Enslin, Herbert E., assignor.)
United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Vail, John E., and C. E. Stuber, Garden Grove, Iowa. Clothes-washing device. 1,488,414; Mar. 25.
Vance, Andrew E. (See Biggs, T. A., and Vance.)
Vandy, Burton A., assignor to S. Vandy, Rochester, N. Y. Attaching means for electrical fixtures. 1,488,078; Mar. 25.
Vandy, Sarah. (See Vandy, Burton A., assignor.)
Van Gelder, Johannes P., Granville, near Sydney, New South Wales, Australia. Machine for grinding and pulverizing friable substances. 1,488,079; Mar. 25.
Van Ness, Henry E. (See Hasbrouck, Louis B., assignor.)
Van Wie & Chase Corporation. (See Chase, Joseph E., assignor.)
Varing, Louis E., Volin, S. Dak. Draft equalizer. 1,488,415; Mar. 25.
Venhuizen, John, Holland, Mich. Corn harvester. 1,488,368; Mar. 25.
Vesta Battery Corporation. (See Angell, Chester M., assignor.)
Viale, Spirito M., Coventry, England. Vehicle having self-laying track. 1,488,080; Mar. 25.
Vincent, Charles W., Ashley, Pa. Funnel. 1,487,824; Mar. 25.
Vitek, Charles, Omaha, Nebr. Clamp. 1,487,903; Mar. 25.
Vlag, Piet, West Tampa, Fla. Orchard heater. 1,488,416; Mar. 25.
Voegtzer, Otto, Brooklyn, N. Y., assignor, by mesne assignments, to Duplex Motion Picture Industries Inc. Printing mechanism for motion-picture films. 1,488,369; Mar. 25.
Vols, Kurt, Heidelberg, Germany. Gas mixer for internal-combustion engines. 1,488,417; Mar. 25.
Voskikian, Peter and T., Philadelphia, Pa. Wrench. 1,488,179; Mar. 25.
Voskikian, Thomas. (See Voskikian, Peter, and T.)
Vose, Leonard O., Lincoln, Nebr. Apparatus for mensuring the rate of flow of gases. 1,487,989; Mar. 25.
Wagner, Joseph F., South Bend, Ind. Land roller and pulverizer. 1,488,302; Mar. 25.
Wallen, Louis F., Wilsonville, Nebr. Wire stretcher. 1,488,180; Mar. 25.
Waller, Clark W., Portsmouth, Ohio. Ice holder. 1,488,181; Mar. 25.
Walters, Herbert, and E. A. Hoerman, Detroit, Mich. Wheel. 1,487,904; Mar. 25.
Walther, Frederick, Omaha, Nebr. Crate. 1,488,418; Mar. 25.
Walton, William L., Bantry, N. Dak. Potato-cutting machine. 1,487,905; Mar. 25.
Ward, Irvin P., Chicago, Ill. Level. 1,488,419; Mar. 25.
Warner, James, Ogden, Utah. Confection mold. 1,488,138; Mar. 25.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Guard-rail brace. 1,488,303; Mar. 25.
Waters, William, Fitzroy, near Melbourne, and H. A. Brady, Carlton, near Melbourne, Victoria, Australia. Capsule for use with bottles or other vessels the necks of which are formed to receive crown corks or seals. 1,487,990; Mar. 25.
Watkins Appliance Company. (See Watkins, William F., assignor.)
Watkins, William F., assignor to Watkins Appliance Company, Inc., Seattle, Wash. Parachute. 1,487,825; Mar. 25.
Watson, John A., Cincinnati, Ohio. Vehicle locking device. 1,488,081; Mar. 25.
Watts, Walter, New York, N. Y. Fuse plug. 1,488,420; Mar. 25.
Weaver, Ira A., assignor to The Weaver Manufacturing Company, Springfield, Ill. Tire-inflation testing appliance. 1,487,771; Mar. 25.
Weaver Manufacturing Company, The. (See Weaver, Ira A., assignor.)
Webb, Jean F., jr., New York, N. Y., assignor to The International Signal Co. Valve mechanism for train-stopping apparatus. 1,487,991; Mar. 25.
Weber, Charles S., Los Angeles, Calif. Piano-sounding-board bridge. 1,487,826; Mar. 25.
Webster, Ira J. (See Fitzgerald, Arthur G., assignor.)
Weil, Maximilian, New York, N. Y. Spring motor and its installation in phonographs. 1,487,992; Mar. 25.
Weil, Maximilian, New York, N. Y. Spring motor and its installation in phonographs. 1,487,993; Mar. 25.
Weil, Maximilian, New York, N. Y. Spring motor. 1,487,994; Mar. 25.
Weiss, Herbert H., Eugene, Oreg. Combined tail light, name and license plate holder. 1,487,827; Mar. 25.
Welch, George, Perth, Western Australia, Australia. Windscreen. 1,488,421; Mar. 25.
Wellston Metal Products Co., The. (See Ferris, George L., assignor.)
Werner, Frank, Oklahoma City, Okla. Utensil-cleaning apparatus. 1,488,139; Mar. 25.
Wernig, Frederick A., Brooklyn, N. Y. Automobile bumper. 1,487,772; Mar. 25.
Werth, George F., assignor to Canedy-Otto Mfg. Co., Chicago Heights, Ill. Motor stand. 1,488,304; Mar. 25.
Wesel, F., Manufacturing Company. (See Weston, Folke W., assignor.)
Western Cabinet & Fixture Mfg. Co. (See Stults, Ernest L., assignor.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Union Battery Company. (See Norris, Paul E., assignor.)
Weston, Folke W., deceased; H. M. Weston, executrix, assignor to F. Wesel Manufacturing Company, Brooklyn, N. Y. Routing machine. 1,487,773; Mar. 25.
Weston, Helga M., executrix. (See Weston, Folke W.)
Whalen, Edward J. (See Conley, E. J., and Whalen.)
Wheeler, Schuyler S., Bernardsville, assignor to Crocker-Wheeler Company, Ampere, N. J. Motor stop or release for electric switches. 1,488,448; Mar. 25.
Whelton, Gordon T., New York, N. Y. Ordnance projectile. 1,488,182; Mar. 25.
White, Clarence E., New York, N. Y. Illuminating device for motometers. 1,488,454; Mar. 25.
White, J. Samuel, & Company. (See Forster, Andrew, assignor.)
White, John R., and J. G. Els, Dallas, Tex. Bake pan. 1,487,906; Mar. 25.
White, William D., and J. M. Brown, Louisville, Miss. Wheel clamp. 1,488,000; Mar. 25.
Whitelaw, Arthur K., assignor to Standard Oil Company of Kentucky, Louisville, Ky. Condenser. 1,488,422; Mar. 25.
Wilcox, George, Riverside, Calif., assignor to California Canning Machinery Co. Method and machine for preparing fruit for canning. 1,488,082; Mar. 25.
Wilcox, Winthrop H., assignor of three-fifths to S. W. Spencer, New Haven, Conn. Wheel puller. 1,488,423; Mar. 25.
Wilkin, Alfred. (See McDonough, J., and Wilkin.)
Wilkins, George W., Trinidad, Colo. Cigar lighter. 1,487,995; Mar. 25.
Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
Willard, Theodore A., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Grid-pasting machine. 1,487,774; Mar. 25.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,487,996; Mar. 25.
Williamson, John S., Baltimore, Md., and H. L. Beach, Pittsburgh, Pa. Combination signal and tail light. Des. 64,328; Mar. 25.
Willis, Oscar D., Huntington, W. Va. Mail-marking machine. 1,488,424; Mar. 25.
Willys-Overland Company, The. (See Bauroth, Leonhard, assignor.)
Willys-Overland Company, The. (See Rhoads, Harry E., assignor.)
Wilson, Charles R., Providence, R. I., and C. R. Scott, Westboro, assignors to Gill Screw Associates, Worcester, Mass. Top-screw cam for gill drawing frames. 1,488,183; Mar. 25.
Wilson, Charles R., Providence, R. I., and C. R. Scott, Westboro, assignors to Gill Screw Associates, Worcester, Mass. Bottom-screw cam for gill drawing frames. 1,488,184; Mar. 25.
Wilson-Jones Loose Leaf Co. (See Fargo, Charles R., assignor.)
Wilson, Thomas, Pasadena, Calif. Folding serving stand. 1,488,425; Mar. 25.
Winchester Repeating Arms Company. (See De Olaneta, Harold, assignor.)
Wittman, Adolph, St. Louis, Mo. Flying machine. 1,487,775; Mar. 25.
Wolf, Edward R., Miami, Fla. Shock absorbing and distributing mechanism for automobiles and other vehicles. 1,488,085; Mar. 25.
Woodward, Charles. (See Buhr, Jacob, assignor.)
Woolf, Milton, San Francisco, Calif. Vehicle signal. 1,487,997; Mar. 25.
Woolf, Milton, San Francisco, Calif. Electrode. 1,487,998; Mar. 25.
Woolwine Metal Products Company. (See Frey, Sigmund, assignor.)
Wright, Roland T., assignor of one-half to J. H. Buncher, St. Louis, Mo. Tobacco pipe. 1,488,088; Mar. 25.
Yale & Towne Manufacturing Company, The. (See Richter, Paul C., assignor.)
Yates, Richard W., Kansas City, Mo. Washing machine. 1,487,907; Mar. 25.

Yeager, Edgar O., Coraki, and R. H. York, Swan Bay, New South Wales, Australia. Multiple talking machine. 1,488,185; Mar. 25.
Yonce, Kelley G., Ridge Spring, S. C. Nozzle for plant sprayers. 1,488,084; Mar. 25.
York, Robert H. (See Yeager, E. O., and York.)
Young, James R., assignor to H. H. Robertson Company, Pittsburgh, Pa. Building material. 1,488,186; Mar. 25.
Zachara, Ladislaus, Bremerton, Wash. Electric spectacle, goggle, or mask light. 1,488,085; Mar. 25.
Zidar, Frank, Detroit, Mich. Radio outfit cabinet. Des. 64,329; Mar. 25.
Zieglowsky, Charlie, Ainsworth, Iowa. Hog waterer. 1,488,086; Mar. 25.
Ziganek, Ferdinand, and C. W. Schwab, Detroit, Mich. Ventilator. 1,487,828; Mar. 25.
Zimmerman, Frank R., assignor to Superior Iron Works Company, Superior, Wis. Combination hoist. 1,488,187; Mar. 25.
Zitzerman, Jacob, Brooklyn, N. Y. Phonograph cabinet. Des. 64,330; Mar. 25.
Zovich, Giovanni, Trieste, Italy. Parallel-ruling apparatus. 1,488,087; Mar. 25.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF MARCH, 1924.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerators, Operating lever for. A. J. Schwartz. 1,487,813; Mar. 25.
Actuating mechanism. F. Koenigkramer. 1,488,206; Mar. 25.
Advertising device. G. C. Rickarby. 1,487,889; Mar. 25.
Advertising device. L. T. Sintzel. 1,487,816; Mar. 25.
Affixing machine, String closure-. E. A. Claus. 1,488,912; Mar. 25.
Agitator. A. P. Gould. 1,487,934; Mar. 25.
Agricultural implement. J. J. Runck. 1,488,063; Mar. 25.
Air container. A. G. Fitz Gerald. 1,488,004; Mar. 25.
Air-heating furnace. L. Lee. 1,488,011; Mar. 25.
Airships and the like, Propelling mechanism for. C. W. Manzel. 1,487,872; Mar. 25.
Airships, Landing apparatus for. F. Gentzcke. 1,488,336; Mar. 25.
Alarm: *See*—
  Fire alarm. Low-pressure alarm.
Ammonia content of coal gas, Process of and apparatus for recovering the. U. Torrey, jr. 1,487,768; Mar. 25.
Andiron. J. B. Dawson. 1,488,196; Mar. 25.
Antiskid device. A. R. Mierzejewski. 1,488,269; Mar. 25.
Arbor, Grape. H. F. Hardy. 1,487,779; Mar. 25.
Artillery brakes during the return to battery, Device for regulating the flow of liquid in. E. Rimailho. 1,488,438; Mar. 25.
Ash receiver. H. L. Farro. 1,487,733; Mar. 25.
Atomiser burner. C. Linké. 1,488,356; Mar. 25.
Automatic brake. R. L. Ruoff. 1,488,168; Mar. 25.
Automatic switch-operating device. W. M. Monroe. 1,487,968; Mar. 25.
Automobile accessory. B. F. Johnson. 1,488,254; Mar. 25.
Automobile bumper. O. H. Goetz. Re15,800; Mar. 25.
Automobile bumper. F. A. Wernig. 1,487,772; Mar. 25.
Automobile door lock. A. Kikta. 1,488,350; Mar. 25.
Automobile jack. C. Barrell. 1,488,373; Mar. 25.
Automobile license-plate holder. C. Critharis. 1,488,098; Mar. 25.
Automobile safety fender. T. F. Buck. 1,487,714; Mar. 25.
Automobile side bumper. C. Girl. 1,488,110; Mar. 25.
Automobile trunk rack. L. E. Prouty. 1,487,974; Mar. 25.
Bag-frame lock. H. Turckmantel. 1,488,301; Mar. 25.
Bailer bottom. J. W. Sloan. 1,487,760; Mar. 25.
Bake pan. J. R. White and J. G. Els. 1,487,906; Mar. 25.
Baking or cooking apparatus. H. A. House. 1,488,251; Mar. 25.
Baking process. H. A. House. 1,488,252; Mar. 25.
Baling presses, Indicator for. E. T. Kissinger. 1,487,953; Mar. 25.
Ball: *See*—
  Pendulum ball.
Band, Infant's. H. L. Redmond. 1,488,407; Mar. 25.
Barber's chair. W. F. Koken. Des. 64,316–17; Mar. 25.
Baseboard, Conduit. J. Buhr. 1,488,090; Mar. 25.
Bath cabinet, Vapor-. H. M. Monford. 1,488,404; Mar. 25.
Bath fixture. M. E. Tebo. 1,488,076; Mar. 25.
Bath sponge. A. Foerg. 1,488,332; Mar. 25.
Battery box. P. E. Norris. Des. 64,319; Mar. 25.
Battery container or similar article, Storage-. C. M. Angell. Des. 64,295; Mar. 25.
Bearing wrench. B. L. Knowles. 1,487,785; Mar. 25.
Bed, Collapsible vehicle. C. A. Strain. 1,487,984; Mar. 25.
Bed, Day. W. E. Frank. 1,487,931; Mar. 25.
Beds, Antisagging adjunct for flexible. R. N. Burbank. 1,488,092; Mar. 25.
Bedstead-frame ornament. B. M. Frank. Des. 64,310–11; Mar. 25.
Bedstead, Sofa. J. D. Bell. 1,488,144; Mar. 25.
Bellows. J. L. Lemerle. 1,488,354; Mar. 25.
Belt hooks, Method and apparatus for applying. W. H. Bristol. 1,488,227; Mar. 25.
Belt puller. D. Doyle. 1,487,924; Mar. 25.
Belt slide. J. I. Schafer. Des. 64,324; Mar. 25.
Beverage, Making low-alcoholic-content. A. Dolens. 1,487,842; Mar. 25.
Bin: *See*—
  Mixing bin.
Bin, shelving, and the like, Metallic. E. F. Hauserman, L. D. Mowery, R. Osterman, and E. R. Smith. 1,487,856; Mar. 25.

Binder, Loose-leaf. C. R. Fargo. 1,487,844; Mar. 25.
Binder, Loose-leaf. C. R. Hadley. 1,487,939; Mar. 25.
Binding post. A. Kleinhesselink. 1,487,954; Mar. 25.
Blocks, Machine for making cored. G. C. Debay. 1,487,726; Mar. 25.
Board: *See*—
  Computing board.
Bobbins and the like, Support for. G. Kershaw. 1,488,123; Mar. 25.
Boll weevil exterminating machine. N. L. Abercrombie. 1,488,140; Mar. 25.
Bolt and nut lock, Combination. J. P. Lindsay. 1,487,950; Mar. 25.
Bookbinding machines, Evener board for. C. F. McBee. 1,488,259; Mar. 25.
Boots and shoes, Machine for use in the manufacture of. C. F. Bennion. 1,487,706; Mar. 25.
Boots and shoes, Method and apparatus for drying the toes of. D. B. Macdonald. 1,488,433; Mar. 25.
Bottle. L. Cohn. Des. 64,297; Mar. 25.
Bottle receiver, Milk-. W. Molenaar. 1,487,752; Mar. 25.
Box: *See*—
  Fire box. Outlet box.
  Journal box. Packing box.
  Match box.
Brace: *See*—
  Fender brace. Railway brace.
  Rail brace.
Bracket: *See*—
  Curtain-rod bracket. Shade bracket.
  Scaffold bracket.
Bracket. W. P. Rhoads. 1,488,437; Mar. 25.
Braid and making floor coverings therefrom. B. B. Kalback. 1,487,860; Mar. 25.
Braiding and lace-making machine. C. Sandweg. 1,488,064; Mar. 25.
Braiding machines, Spool carrier for. J. E. Chace. 1,488,062; Mar. 25.
Brake: *See*—
  Automatic brake. Vehicle brake.
  Emergency brake.
Brake mechanism. W. C. Handley. 1,487,853; Mar. 25.
Brake mechanism. C. J. McNerny. 1,488,017; Mar. 25.
Brake mechanism. W. C. Stewart. 1,487,763; Mar. 25.
Brake system. F. S. Duesenberg. 1,488,102; Mar. 25.
Brake wheel. B. W. Kadel. 1,488,155; Mar. 25.
Brassière. J. Leonard. 1,488,432; Mar. 25.
Bread slicer, Continuous. M. R. Anstice and G. E. Hazard. 1,488,307; Mar. 25.
Breathing apparatus, Artificial-. H. W. C. Schröder. 1,488,442; Mar. 25.
Brickmaking machine, Cement. H. Schreier. 1,487,812; Mar. 25.
Broom. J. F. Melton. 1,487,874; Mar. 25.
Bucket, Automobile radiator-filling. H. Tesche. 1,487,988; Mar. 25.
Bucket cleaner, Drag-line-. E. L. Bartmess. 1,487,910; Mar. 25.
Bucket, Minnow. G. L. Ferris. 1,488,331; Mar. 25.
Buckles, Garment-securing means for belt. J. W. Sharbutt. 1,487,897; Mar. 25.
Buffing stems, Support for. E. Posson. 1,487,804; Mar. 25.
Building. S. W. Sider. 1,488,177; Mar. 25.
Building material. J. H. Young. 1,488,186; Mar. 25.
Building ventilator construction. J. Sylvan. 1,487,767; Mar. 25.
Burglar-trapping apparatus. T. D. Evans. 1,487,926; Mar. 25.
Burner: *See*—
  Atomizer burner. Oil burner.
  Garbage burner.
Buttoning machine. H. E. Enslin. 1,487,732; Mar. 25.
Cabinet, Dispensing and measuring. F. R. Hendrickson. 1,488,342; Mar. 25.
Cakes or wafers of toilet powder, Machine for making. L. D'Onofrio. 1,488,130; Mar. 25.
Calculating machine. J. M. M. Barr. 1,487,708; Mar. 25.
Calculating machine. R. G. C. Bos. 1,487,999; Mar. 25.
Calculating machine. A. F. Poole. 1,488,058; Mar. 25.
Calendar stand. E. T. MacIntyre. 1,488,261; Mar. 25.
Cameras, Automatic film-shifting device for. I. Hershey. 1,487,741; Mar. 25.
Can-filling machine. J. J. Kirkby. 1,487,951–2; Mar. 25.

Can opener. L. G. McKellops. 1,488,402; Mar. 25.
Can opener. R. T. Stevenson. 1,487,820; Mar. 25.
Cans, Sanitary lining for garbage. J. Q. Horne and G. H. Reifsnider. 1,488,203; Mar. 25.
Candy-making machine. C. C. Lombardo and J. Mendola. 1,487,788; Mar. 25.
Cannon with variable charge. E. Rimailho. 1,488,439; Mar. 25.
Canteens and other articles, Apparatus for making covers for. S. Frey. 1,488,334; Mar. 25.
Caoutchouc, Vulcanization of. S. J. Peachey. 1,487,880; Mar. 25.
Cap. D. Baratz and H. Miller. 1,487,830; Mar. 25.
Capsule for use with bottles or other vessels, the necks of which are formed to receive crown corks or seals. W. Waters and H. A. Brady. 1,487,900; Mar. 25.
Car-door mechanism. B. W. Kadel. 1,488,255; Mar. 25.
Car mounting. E. A. Laughlin. 1,488,451; Mar. 25.
Car, Railway. T. Elliott. 1,487,925; Mar. 25.
Car replacer. T. H. Edelblute. 1,488,103; Mar. 25.
Car underframe. D. S. Barrows. 1,488,141–3; Mar. 25.
Cars, Platform support for railway. L. F. Seelar. 1,487,814; Mar. 25.
Cars, Signal for railway. G. C. Spellings. 1,487,818; Mar. 25.
Cars, Suspension means for railway box. J. G. Carroll. 1,488,378; Mar. 25.
Carbide crystals, Purifying silicon-. C. J. Brockbank. 1,488,311; Mar. 25.
Carbohydrates having the empirical formula $n(C_6H_{10}O_5)$, their conversion products and derivatives, Production of ethers of. L. Lilienfeld. 1,488,355; Mar. 25.
Card bill holder, Loose-. P. M. Bacheider. 1,487,700; Mar. 25.
Case: *See*—
  Vanity case.
Caster. F. C. Trimbach. 1,487,902; Mar. 25.
Cell, Dry. H. de Olaneta. 1,487,728; Mar. 25.
Cement baller. L. Clayton. 1,487,721; Mar. 25.
Chandelier. F. S. Crowell. Des. 64,300–3; Mar. 25.
Cheek plate. B. W. Knedel and P. R. Drenning. 1,488,156; Mar. 25.
Cherrying attachment. W. R. Tomlinson. 1,487,822; Mar. 25.
Chime mechanism. W. H. Durfee. 1,488,036; Mar. 25.
Chuck. J. L. Bernard. 1,487,708; Mar. 25.
Churn timer. F. J. Mathews. 1,487,793; Mar. 25.
Cigar lighter. G. W. Wilkins. 1,487,995; Mar. 25.
Cigars, Packing and vending. O. W. Harms. 1,488,044; Mar. 25.
Cigarette case and lighter. J. Gemeinhardt. 1,488,109; Mar. 25.
Cigarette holder. A. Taraborrelli. 1,488,412; Mar. 25.
Clamp: *See*—
  Wheel clamp.
Clamp. T. H. Barnard. 1,487,701; Mar. 25.
Clamp. C. Vitek. 1,487,903; Mar. 25.
Cleaner: *See*—
  Bucket cleaner. Spark-plug cleaner.
Clevis. A. Carter. 1,487,918; Mar. 25.
Climbing structure. S. Hinton. 1,488,244–6; Mar. 25.
Clip: *See*—
  Paper clip.
Closet or locker, Sheet-metal clothing. M. Pilz. 1,488,057; Mar. 25.
Closure. F. Beaubert. 1,488,458; Mar. 25.
Cloth, Carriage for laying. J. A. Poirier. 1,487,884; Mar. 25.
Cloth-sponging machine, Steam. S. Fisher. 1,488,030; Mar. 25.
Clothes frame. W. G. Sirrine. 1,488,445; Mar. 25.
Clothes-hanging bar formed of hinged-together members. J. Everitt. 1,488,330; Mar. 25.
Clothespin. R. O. Crow. 1,488,382; Mar. 25.
Clothes-washing device. J. E. Vail and C. E. Stuber. 1,488,414; Mar. 25.
Coat and hat rack. J. Safar. Des. 64,323; Mar. 25.
Coffeepot. J. I. Sloan. 1,487,817; Mar. 25.
Coffeepot, Express. M. Bontempi. 1,488,089; Mar. 25.
Coin-controlled mechanism, Coin box for. A. B. Roth. 1,488,287; Mar. 25.
Coin tray. E. C. Poynter. 1,488,025; Mar. 25.
Colemanite from its gangue, Separating. C. M. Rasor. 1,487,806; Mar. 25.
Collars, Clip for shirt. J. S. Little. 1,488,012; Mar. 25.
Comb. J. Silda, jr. 1,488,362; Mar. 25.
Comb. S. Trachtenberg. 1,487,901; Mar. 25.
Combing machine. R. L. Bellhouse. 1,488,274; Mar. 25.
Combustion apparatus. J. Good. 1,488,238; Mar. 25.
Compass, Telltale. R. Andrade Lalama. 1,488,372; Mar. 25.
Computing board. G. Bloch. 1,488,190; Mar. 25.
Concrete construction, Means for. J. V. Meares. 1,487,963; Mar. 25.
Condenser. A. K. Whitelaw. 1,488,422; Mar. 25.
Conduit, Flexible connecting. W. C. Loemer. 1,487,787; Mar. 25.
Confection mold. J. Warner. 1,488,136; Mar. 25.
Connecter. J. G. A. Strandell. 1,488,176; Mar. 25.
Container, Comestible. P. W. Petersen. 1,487,883; Mar. 25.
Cord, Extension. L. A. Griffin. 1,487,937; Mar. 25.
Corner guard. J. Pyne. 1,488,060; Mar. 25.
Corset. J. Leonard. 1,488,209; Mar. 25.
Corsets or belts, Steel for. J. U. Adams. 1,488,305; Mar. 25.
Cotton-cleaning machine and boll breaker. I. L. Gilmore. 1,488,338; Mar. 25.
Coupling. W. F. Mellen. 1,488,266; Mar. 25.
Couplings, Centering device for flexible. C. A. Schell. 1,488,291; Mar. 25.
Crate. F. Walther. 1,488,418; Mar. 25.
Crib or the like. R. E. Martin. 1,488,264; Mar. 25.
Crossing signal. M. H. Smith. 1,487,981; Mar. 25.
Cup: *See*—
  Oil cup.
Curtain fixture. C. W. Kirsch. 1,488,250; Mar. 25.
Curtain holding and releasing device. W. E. Tippett and J. T. Smith. 1,488,367; Mar. 25.
Curtain rod and bracket. C. W. Kirsch. 1,488,257; Mar. 25.
Curtain-rod bracket. C. W. Kirsch. 1,488,258; Mar. 25.
Cutting machine. C. W. Hottmann. 1,488,250; Mar. 25.
Dehydrator. J. H. Drake. 1,488,324; Mar. 25.
Dental appliance. L. de Ferneimont. 1,488,099; Mar. 25.
Dental articulators, Driving attachment for. W. M. Gambill. 1,488,335; Mar. 25.
Dental oven. E. Maginnis. 1,488,262; Mar. 25.
Dental tool. J. Goldberg. 1,487,776; Mar. 25.
Dentifrice. H. N. Creger. 1,488,097; Mar. 25.
Die: *See*—
  Hexagonal die.
Die and die holder. L. B. Hasbrouck. 1,487,856; Mar. 25.
Diestock. D. B. Miller. 1,488,270; Mar. 25.
Dimmer. A. L. Turner. 1,487,823; Mar. 25.
Display card, Advertising. J. B. Bateman. 1,487,705; Mar. 25.
Display rack. E. E. McElroy. 1,488,213; Mar. 25.
Dividers. J. M. Stuchlik. 1,488,366; Mar. 25.
Dock, Dry. M. F. Hill. 1,487,742; Mar. 25.
Door catch to hold the door open. P. Frantz. 1,487,735; Mar. 25.
Door check. B. Capra. 1,487,717; Mar. 25.
Door handle. G. Cawthron. Des. 64,296; Mar. 25.
Door handles and the like, Fastening of. C. Riddick. 1,487,975; Mar. 25.
Doorknob fastening. M. McDonald. 1,488,014; Mar. 25.
Door lock. J. H. Taylor. 1,487,987; Mar. 25.
Door, Metal. A. J. Connell. 1,488,095; Mar. 25.
Door structure. V. A. Johnson. 1,488,395; Mar. 25.
Doors, windows, fanlights, and the like, Adjustable stay for. W. Schonfeld. 1,488,292; Mar. 25.
Doughnut holder. H. D. Andrews. 1,487,909; Mar. 25.
Draft equalizer. L. E. Varing. 1,488,415; Mar. 25.
Draft rigging. B. W. Kadel. 1,488,154; Mar. 25.
Draft rigging. B. W. Kadel. 1,488,159; Mar. 25.
Draft yoke. B. W. Kadel. 1,488,158; Mar. 25.
Drainer, Dish. E. G. Hines and A. S. Stover. 1,487,942; Mar. 25.
Drawing frames, Bottom-screw cam for gill. C. R. Wilson and C. B. Scott. 1,488,184; Mar. 25.
Drawing frames, Top-screw cam for gill. C. R. Wilson and C. B. Scott. 1,488,183; Mar. 25.
Drawing mechanism. A. C. Butler. 1,487,716; Mar. 25.
Drill-press chucking vise. C. F. Swissgabel. 1,488,221; Mar. 25.
Drinking fountain. C. B. Mortimer. 1,488,273; Mar. 25.
Drying apparatus. J. J. Dewey. 1,488,198; Mar. 25.
Drying drum. G. Sanber. 1,487,893; Mar. 25.
Dyestuffs containing chromium and manufacture of same. F. Straub and H. Schneider. 1,488,411; Mar. 25.
Egg crate. L. Oliver. 1,487,878; Mar. 25.
Elector. H. F. Schmidt. 1,488,135; Mar. 25.
Electric apparatus. C. A. Birsh-Field. 1,488,310; Mar. 25.
Electric fixtures, Cleaning tool for. A. Kraft and E. Scott. 1,487,745; Mar. 25.
Electric light, Portable. E. Rabideau. 1,487,758; Mar. 25.
Electric switch-operating mechanism, Float-actuated. A. C. Durdin, jr. 1,488,287; Mar. 25.
Electric switches, Motor stop or release for. S. S. Wheeler. 1,488,448; Mar. 25.
Electrical circuit breaker. W. H. Illingworth. 1,488,392; Mar. 25.
Electrical conductors, Clamp for. T. F. Johnson, jr. 1,488,347; Mar. 25.
Electrical fixtures, Attaching means for. B. A. Vandy. 1,488,078; Mar. 25.
Electrode. M. Woolf. 1,487,998; Mar. 25.
Electromagnet. N. E. Norstrom. 1,488,275; Mar. 25.
Elevator inclosure. E. W. Diebro. 1,488,100; Mar. 25.
Elevator mechanisms, Interlocking means for controlling. W. E. Hale. 1,488,341; Mar. 25.
Embossing articles, Machine for. L. Sturges and A. J. Bayles. 1,487,890; Mar. 25.
Emergency brake. D. E. Force and M. F. Quinte. 1,488,333; Mar. 25.
Engine: *See*—
  Gas engine. Reciprocating engine.
  Internal-combustion engine.
Engine-cylinder lining, Removable. F. E. Milner. 1,488,272; Mar. 25.
Engine-lathe turret. W. C. Shaw. 1,488,071; Mar. 25.
Engine starter. W. L. McGrath. 1,488,127; Mar. 25.

Engines, Control mechanism for the ignition levers of internal-combustion. J. L. and W. P. Brunton. 1,488,313; Mar. 25.
Engines, Distributing valve for steam. A. Forster. 1,487,930; Mar. 25.
Engines, Fuel vaporizer for internal-combustion. C. J. Muzzy. 1,488,054; Mar. 25.
Engines, Gas mixer for internal-combustion. K. Vols. 1,488,417; Mar. 25.
Engines, Spark indicator and intensifier for gasoline. H. Hanauer. 1,487,852; Mar. 25.
Engines, Timer for internal-combustion. E. F. Pfister. 1,488,434; Mar. 25.
Engraved metal and producing same, Ornamentally-. E. J. Gulick. 1,488,240; Mar. 25.
Extractor: *See*—
Poison extractor.
Eyelet-setting machine. E. F. H. Enna and A. Haahr. 1,487,731; Mar. 25.
Fans, Protective device for ventilating. A. G. Sutcliffe. 1,487,766; Mar. 25.
Farm gate. A. C. Carlson. 1,488,427; Mar. 25.
Fastener strip. D. Silberman. 1,488,363; Mar. 25.
Fastening device. T. Bridgwood. 1,488,031; Mar. 25.
Fastening device. S. Raphael. 1,487,885; Mar. 25.
Faucet. C. R. Crane. Des. 64,298; Mar. 25.
Feed-grinding mill. O. H. Pottratz. 1,488,166; Mar. 25.
Fence, Iron. S. Falendysh. 1,488,199; Mar. 25.
Fender: *See*—
Automobile safety fender.
Fender brace. G. M. Kendall. 1,487,782; Mar. 25.
Fiber-cleaning machine. W. S. Grove. 1,487,738; Mar. 25.
File, Loose-leaf. C. F. McBee. 1,488,260; Mar. 25.
Filing cabinet, Vertical. E. B. Perrine. 1,487,802; Mar. 25.
Film, Cellulose-acetate. V. B. Seaso. 1,488,294; Mar. 25.
Film-reel cover. L. J. Doty. 1,488,322; Mar. 25.
Firearm. A. Coenders. 1,487,722; Mar. 25.
Firearm. J. D. Pedersen. 1,487,709–801; Mar. 25.
Firearm, Semiautomatic. R. Rychiger. Re15,801; Mar. 25.
Fire box. A. J. Habermacher. 1,487,938; Mar. 25.
Fire escape. W. R. Towse. 1,488,413; Mar. 25.
Fire extinguisher. W. J. Ruff. 1,488,289; Mar. 25.
Fire-extinguisher holder. J. A. Miller and E. P. Grosclaude. 1,487,850; Mar. 25.
Fireplace heater. J. B. Dawson. 1,488,195; Mar. 25.
Flour sifter. R. Adams. 1,488,306; Mar. 25.
Fluid-pressure motor and pump, Combined. G. W. Johnston. 1,487,946; Mar. 25.
Flying machine. A. Wittman. 1,487,775; Mar. 25.
Foot rest and measure, Combined. S. Schwartz. 1,488,068; Mar. 25.
Form, Collapsible. R. T. Taylor. 1,488,075; Mar. 25.
Fountain: *See*—
Drinking fountain.
Frame: *See*—
Clothes frame. Screen frame.
Freezer. S. K. Allison. 1,488,371; Mar. 25.
Fruit for canning, Method and machine for preparing. G. Wilcox. 1,488,092; Mar. 25.
Fruit press. J. J. and J. H. O'Brien. 1,488,276; Mar. 25.
Fuel economizer and smoke-prevention mechanism. H. Bosser. 1,487,709; Mar. 25.
Fuel saver. J. McDonough and A. Wilkin. 1,488,051; Mar. 25.
Funnel. M. Carrau. 1,488,377; Mar. 25.
Funnel. C. W. Vincent. 1,487,824; Mar. 25.
Furnace: *See*—
Air-heating furnace.
Furnace-casing-attaching means. D. V. Runnion. 1,487,809; Mar. 25.
Fuse. H. E. Ewing. 1,487,927; Mar. 25.
Fuse plug. W. Watts. 1,488,420; Mar. 25.
Garbage burner, Household. A. C. Holmquist. 1,487,943; Mar. 25.
Garment hanger. E. Saukkonen. 1,487,810; Mar. 25.
Gas, Apparatus for producing. C. Lundin. 1,487,869; Mar. 25.
Gas engine, Rotary. P. Arrighi. 1,487,829; Mar. 25.
Gas-mixing device. M. T. Minogue. 1,487,795; Mar. 25.
Gas producer. D. Sudetic. 1,487,985; Mar. 25.
Gas-producer apparatus. A. L. Galusha. 1,487,845; Mar. 25.
Gas producers, Operating. A. L. Galusha. 1,487,846; Mar. 25.
Gasket and making same, Molded fabric. W. M. De Witt. 1,488,321; Mar. 25.
Gate: *See*—
Farm gate.
Gate for bins and the like, Movable. W. G. Burns. 1,488,229; Mar. 25.
Gauge: *See*—
Pressure gauge. Vehicle wheel gauge.
Reversible gauge. Water gauge.
Ring gauge.
Gauge cover. G. D. Macbeth. 1,488,403; Mar. 25.
Gear, Forged. W. M. Mansfield and R. Henry. 1,487,790; Mar. 25.
Gear-operating mechanism, Change-speed-. W. R. Turner. 1,488,077; Mar. 25.
Gearing. H. A. S. Howarth. 1,488,119; Mar. 25.
Gears or other polygonal articles, Machine for forming. G. R. Stevenson. 1,488,446; Mar. 25.
Generator: *See*—
Steam generator.
Glass tumbler or similar article of manufacture. J. F. Smyth. Des. 64,326; Mar. 25.
Glove or mitten structure. B. J. Ricker. 1,488,133; Mar. 25.
Golf club. D. C. Benton. 1,487,707; Mar. 25.
Golf or caddie bag. D. Hibbert. 1,488,389; Mar. 25.
Governor. W. B. Flanders. 1,488,107; Mar. 25.
Grapple. J. D. Kerwin. 1,488,160; Mar. 25.
Gravity lock. J. B. Milton. 1,487,967; Mar. 25.
Grid-pasting machine. T. A. Willard. 1,487,774; Mar. 25.
Grinder, Circular-saw. E. C. Orr. 1,488,056; Mar. 25.
Grinder, Tool. O. R. Manville. 1,487,962; Mar. 25.
Grinding and pulverizing friable substances, Machine for. J. P. van Gelder. 1,488,079; Mar. 25.
Grip, Hot-handle. P. F. Martus. 1,487,749; Mar. 25.
Gun, Line-throwing. F. G. Hall. 1,487,778; Mar. 25.
Hair-coiling device. M. Freeman. 1,488,006; Mar. 25.
Hammer, Magazine tack. C. T. McCormick. 1,488,161; Mar. 25.
Hand wheel. L. Bauroth. 1,488,308; Mar. 25.
Hand wheel. H. W. Dover. 1,488,323; Mar. 25.
Handle. P. E. Norris. Des. 64,320; Mar. 25.
Hanger: *See*—
Garment hanger.
Harvester attachment. D. H. Parker. 1,487,882; Mar. 25.
Harvester, Corn. M. K. Brown. 1,487,916; Mar. 25.
Harvester, Corn. J. Venhuizen. 1,488,368; Mar. 25.
Haystacker. F. B. Coates. 1,488,317; Mar. 25.
Headlamp, Vehicle. F. H. Shore. 1,488,072; Mar. 25.
Headlight, Automobile. S. I. Christensen. 1,487,720; Mar. 25.
Headlight reflector, Automatic. J. Petersen. 1,487,755; Mar. 25.
Headlight ray deflector. C. W. Renner. 1,488,284; Mar. 25.
Headstock. H. Dalton. 1,488,232; Mar. 25.
Heat-exchange apparatus, Baffle for. E. McGregor. 1,488,053; Mar. 25.
Heater: *See*—
Fireplace heater. Orchard heater.
Heel-building device. W. E. Small. 1,487,980; Mar. 25.
Heel, Shoe. W. H. Nutt. Des. 64,321; Mar. 25.
Heel, Shoe. J. Rossi and J. Jacobey. 1,487,976; Mar. 25.
Hexagonal die. D. B. Miller. 1,488,271; Mar. 25.
Hinge construction. D. Bowers. 1,488,375; Mar. 25.
Hoe. B. Bucher. 1,487,713; Mar. 25.
Hog waterer. C. Zieglowsky. 1,488,086; Mar. 25.
Hoist. W. A. Gollnast. 1,487,848; Mar. 25.
Hoist, Combination. F. R. Zimmerman. 1,488,187; Mar. 25.
Hoist, Electric. P. C. Richter. 1,488,286; Mar. 25.
Hoist, Pressure dumping. J. M. Meyers. 1,488,267; Mar. 25.
Hook: *See*—
Shoe hook.
Horseshoe. S. K. Allison. 1,488,370; Mar. 25.
Hose apparatus. C. Snyder. 1,488,364; Mar. 25.
Humidifier. C. E. Linebarger. 1,487,866; Mar. 25.
Humidifying apparatus. W. B. Hodge. 1,487,743; Mar. 25.
Hydraulic jack. J. L. Malone. 1,488,020; Mar. 25.
Ice-cream-can lifter and carrier. J. E. Chase. 1,488,455; Mar. 25.
Ice holder. C. W. Waller. 1,488,181; Mar. 25.
Ignition lock, Combination. H. T. Ormonde. 1,487,879; Mar. 25.
Ignition lock, Combination. H. T. Ormonde. 1,487,881; Mar. 25.
Illuminated sign. E. Carraine. 1,488,314; Mar. 25.
Incubator. J. G. Poorman. 1,488,165; Mar. 25.
Index or means for indicating duties and other data relating to persons or objects. A. Hill-Trevor Glenny. 1,488,390; Mar. 25.
Inflation device. W. P. and T. A. Hammond. 1,487,851; Mar. 25.
Ink for producing indelible markings, Transfer. T. Marston and W. S. Lawrence. 1,487,873; Mar. 25.
Insect destroyer. J. N. Miller. 1,487,760; Mar. 25.
Insect-exterminating device. M. Bellows. 1,488,145; Mar. 25.
Insect trap. J. R. Thomas and J. L. Floyd. 1,488,178; Mar. 25.
Internal-combustion engine. H. J. Pocock. 1,488,163; Mar. 25.
Internal-combustion engine. T. Pratt. 1,488,182; Mar. 25.
Iron: *See*—
Malleableizing iron. Soldering iron.
Ironing wheel. D. F. McGovern. 1,487,871; Mar. 25.
Jack: *See*—
Automobile jack. Semitrailer jack.
Hydraulic jack. Shoe-supporting jack.
Screw jack. Vehicle jack.
Joint: *See*—
Locking joint. Rail joint.
Journal box. B. W. Kadel. 1,488,157; Mar. 25.
Kettle, Steaming and draining. L. L. Garibaldi and F. M. Carry. 1,488,150; Mar. 25.
Key-socket-operating attachment. R. J. Owens. 1,488,279; Mar. 25.

Kiln for recovery of by-products from fuel. S. B. Newberry. 1,488,055; Mar. 25.
Kilns, Process and apparatus for heating rotary. H. Holzwarth. 1,488,248; Mar. 25.
Kilns, Process and means of cooling. T. C. Aldis. 1,487,908; Mar. 25.
Kitchen utensil. P. W. Cameron. 1,487,917; Mar. 25.
Knife, Slicing. H. Gehring. 1,488,200; Mar. 25.
Ladle cover. H. J. Reilly. 1,488,026; Mar. 25.
Lamp, Acetylene. W. A. Cochrane. 1,488,193; Mar. 25.
Lamp, Automobile signal. H. Petersen. Des. 64,322; Mar. 25.
Lamp burners, Flame extinguisher for. S. Krusynski. 1,487,955; Mar. 25.
Lamp mounting. C. F. L. and W. L. Kaufmann. 1,487,949; Mar. 25.
Lamp, Portable electric flash. J. Stirias. 1,487,963; Mar. 25.
Lamps and the like, Inflatable cover for. I. N. Matsuo. 1,488,265; Mar. 25.
Land roller and pulverizer. J. F. Wagner. 1,488,302; Mar. 25.
Lath, Making plaster-board. J. Schumacher. 1,487,894; Mar. 25.
Lathe attachment. G. N. Blanchard. 1,488,029; Mar. 25.
Laundry-tub cover. P. J. Leguelinel. 1,487,786; Mar. 25.
Ledger, Loose-leaf. J. Schade. 1,487,079; Mar. 25.
Legging, Thigh and calf. I. Chaffee. 1,488,379; Mar. 25.
Lens with merged surfaces, Making a bifocal. L. W. Bugbee. 1,487,715; Mar. 25.
Level. I. P. Ward. 1,488,419; Mar. 25.
Leveler, Land. J. H. Corbitt. 1,487,723; Mar. 25.
Lever mechanism. R. A. Goeller. 1,488,112; Mar. 25.
License-tag holder. N. Stevens. 1,488,220; Mar. 25.
Licenses and automobile registration cards, Holder for drivers'. W. C. Harley. 1,488,152; Mar. 25.
Life-saving device. C. B. Green. 1,487,936; Mar. 25.
Lifter: *See*—
Pan lifter. Valve lifter.
Pan or plate lifter.
Light: *See*—
Electric light. Radiator-cap light.
Lighting-fixture body. F. S. Crowell. Des. 64,304–5; Mar. 25.
Lighting-fixture brace. F. S. Crowell. Des. 64,306; Mar. 25.
Lighting-fixture bracket. F. S. Crowell. Des. 64,299; Mar. 25.
Liquid fuel, Method and apparatus for burning. C. Link. 1,488,357; Mar. 25.
Lock: *See*—
Automobile door lock. Ignition lock.
Bag-frame lock. Nut lock.
Door lock. Pin-tumbler lock.
Gravity lock. Steering-gear lock.
Lock. M. S. Finkelstein. 1,488,105; Mar. 25.
Lock nut. P. D. Thibert. 1,488,223; Mar. 25.
Lock washer. F. E. Seifert. 1,488,070; Mar. 25.
Locking joint, Adjustable. F. A. Anderson. 1,488,221; Mar. 25.
Loom. J. E. Benoit. 1,487,833; Mar. 25.
Loom brake mechanism. J. A. Sorrells. 1,487,982; Mar. 25.
Loom, Filling-replenishing. A. E. Stafford. 1,488,137; Mar. 25.
Looms, Feeler mechanism for. I. Snow. 1,488,408; Mar. 25.
Looms, Feeler mechanism for. M. L. Stone. 1,488,410; Mar. 25.
Looms, Weft-controlling mechanism for. F. E. Kip. 1,488,352; Mar. 25.
Low-pressure alarm. J. M. Rich. 1,487,887; Mar. 25.
Mail boxes, Post and bracket for. S. H. Thompson. 1,488,300; Mar. 25.
Mail-marking machine. O. D. Willis. 1,488,424; Mar. 25.
Malleableizing iron. H. T. Chandler. 1,487,719; Mar. 25.
Match box. L. S. Moore. 1,487,969; Mar. 25.
Material-handling machine. A. W. Rybeck. 1,488,290; Mar. 25.
Matte from blast furnaces, Treatment of. J. H. Hickey. 1,488,047; Mar. 25.
Measuring chambers, Adjusting plug for. W. H. Juergens. 1,488,122; Mar. 25.
Measuring device. J. A. Pickens. 1,488,435; Mar. 25.
Measuring the rate of flow of gases, Apparatus for. L. O. Voss. 1,487,960; Mar. 25.
Metal parts and joining such parts, Junction of. H. P. Macdonald. 1,488,128; Mar. 25.
Metal screen. H. Melaun. 1,487,794; Mar. 25.
Metal-working tool. N. R. Talbert. 1,488,222; Mar. 25.
Milk pasteurizer. C. Mortensen. 1,487,796; Mar. 25.
Mill: *See*—
Feed-grinding mill.
Milk-catcher, Rolling. L. C. Steele. 1,487,819; Mar. 25.
Mirror or similar article, Hand. R. J. Schulze. Des. 64,325; Mar. 25.
Mixing bin. W. G. Burns. 1,488,228; Mar. 25.
Mold: *See*—
Confection mold.
Mold. W. and C. S. Glatz. 1,487,847; Mar. 25.
Monorail frog. W. Schwier. 1,488,443; Mar. 25.
Mop head. M. Marino. 1,488,021; Mar. 25.
Motion, Device for obtaining oscillating. J. M. M. Barr. 1,487,702; Mar. 25.
Motometers, Illuminating device for. C. E. White. 1,488,454; Mar. 25.
Motor: *See*—
Phonograph motor. Water motor.
Spring motor.
Motor-cycle forecarriage. C. Fehr. 1,488,037; Mar. 25.
Motor stand. G. F. Werth. 1,488,304; Mar. 25.
Nailing machine. J. H. Pope. 1,487,757; Mar. 25.
Nails or other articles, Machine for forging. F. Humphris. 1,488,344; Mar. 25.
Name plate for a door. S. M. Katz. Des. 64,315; Mar. 25.
Napkins and the like, Device for holding stacks of. P. H. Horwitt. 1,487,858; Mar. 25.
Napkins and the like, Stand for. P. H. Horwitt. 1,487,859; Mar. 25.
Nut lock. G. W. Seago. 1,488,069; Mar. 25.
Oil burner. C. M. Keith and M. M. Pumphrey. 1,488,349; Mar. 25.
Oil cup. C. E. Linebarger. 1,487,865; Mar. 25.
Oil-eduction apparatus. H. L. Brown. 1,487,836; Mar. 25.
Oil, Substitute fuel. J. J. Kirby. 1,488,009; Mar. 25.
Operating rack. E. D. Hammett. 1,487,941; Mar. 25.
Orchard heater. P. Vlag. 1,488,416; Mar. 25.
Ordnance projectile. G. T. Whelton. 1,488,182; Mar. 25.
Ore concentration. W. A. Scott. Re15,802; Mar. 25.
Ores, Reduction of. E. P. C. Girouard and F. W. Salisbury-Jones. 1,488,386; Mar. 25.
Organic material, Apparatus for treating. W. E. Overton. 1,488,216; Mar. 25.
Orthodontic appliance. J. Aderer. 1,487,698; Mar. 25.
Outlet box. A. Ryden. 1,487,891–2; Mar. 25.
Ovens, Extension tray for. W. J. Kimmerle. 1,487,950; Mar. 25.
Packages, Machine for forming sealed foil. E. J. Cooley and E. J. Whalen. 1,487,840; Mar. 25.
Packing box. G. H. Jewell. 1,488,153; Mar. 25.
Packing ring. H. P. Stevens. 1,488,296; Mar. 25.
Pail. M. Judge and W. J. Hickman. 1,488,397; Mar. 25.
Pail lifter. W. K. Harris. 1,488,045; Mar. 25.
Pan: *See*—
Bake pan.
Pan or plate lifter. V. J. Harris. 1,487,739; Mar. 25.
Paper clip. R. O. Crow. 1,488,383; Mar. 25.
Paper-hangers' pasting tables, Top support for. B. E. McLaughlin. 1,487,960; Mar. 25.
Paper slitter and winder. S. M. Langston and K. Sieg. 1,488,126; Mar. 25.
Parachute. W. F. Watkins. 1,487,825; Mar. 25.
Partition, Movable. A. B. McBride. 1,487,789; Mar. 25.
Pea viner, Green-. W. McDonald. 1,488,015; Mar. 25.
Peat or humus, Briquetting. A. L. Stillman. 1,487,764; Mar. 25.
Pen, Fountain. B. C. Rettig. 1,487,886; Mar. 25.
Pencil. J. Bricken. 1,488,191; Mar. 25.
Pencil with floating clutch. W. P. De Witt. 1,488,385; Mar. 25.
Pendulum ball. W. Gruhn. 1,488,202; Mar. 25.
Percussion caps, Carrier for. F. A. McGregor. 1,488,016; Mar. 25.
Petroleum, Treating. C. P. Dubbs. 1,488,325; Mar. 25.
Phonograph cabinet. J. Zitserman. Des. 64,330; Mar. 25.
Phonograph motor. P. P. Belt. 1,487,913; Mar. 25.
Phonograph record and pressing same, Remade. E. Howbrigg. 1,488,253; Mar. 25.
Phonographs, Automatic starter for. J. Lukaszewski. 1,488,309; Mar. 25.
Phonographs, Electric stop for. W. R. Duncan. 1,488,423; Mar. 25.
Phonographs, Spring motor and its installation in. M. Weil. 1,487,992–3; Mar. 25.
Photo-engraving. M. J. De Grave. 1,487,727; Mar. 25.
Phthalimide manufacture. A. G. and S. J. Green. 1,488,239; Mar. 25.
Piano actions, Machine for forming and inserting bushings in. J. R. Semple. 1,488,172; Mar. 25.
Piano-sounding-board bridge. C. S. Weber. 1,487,826; Mar. 25.
Picture films, Apparatus for developing motion-. V. de Ybarrondo. 1,487,729; Mar. 25.
Picture films, Printing mechanism for motion-. O. Vogetser. 1,488,369; Mar. 25.
Picture films, Process and apparatus for the production of motion-. A. La Freniere. 1,487,862; Mar. 25.
Picture reflector. C. L. Dubem. 1,488,327; Mar. 25.
Picture screen, Motion-. W. H. C. Lassen. 1,487,747; Mar. 25.
Pictures possessing stereoscopic relief and pictures produced by such method, Producing and exhibiting. W. O. Buncle. 1,488,027; Mar. 25.
Pin: *See*—
Rolling pin.
Pin-tumbler lock. E. L. Tuich. 1,487,900; Mar. 25.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Piston ring. A. C. McFarlane. 1,488,052; Mar. 25.

Planers, Feed mechanism for. H. L. Blood. 1,487,711–12; Mar. 25.
Plastic material and making the same. N. R. Levy. 1,487,957; Mar. 25.
Plate or similar article. W. P. Graham. Des. 64,312–13; Mar. 25.
Plowpoint. N. Jensen. 1,488,346; Mar. 25.
Plowpoint, Detachable. W. H. Kline. 1,488,398; Mar. 25.
Plug, Attachment. A. W. Albrecht. 1,487,699; Mar. 25.
Plug, Fusible. C. Manara. 1,488,263; Mar. 25.
Plug retainer. F. W. Jackson. 1,488,393; Mar. 25.
Poison extractor, Snake-. S. O. Bryant. 1,488,376; Mar. 25.
Polycycle, Figure. R. R. Lorens. 1,487,868; Mar. 25.
Post: *See*—
Binding post.
Potato-cutting machine. W. L. Walton. 1,487,905; Mar. 25.
Potato-digging machines, Attachment for. W. Keiffer. 1,488,348; Mar. 25.
Potato picking machine. L. Stoltenberg. 1,487,821; Mar. 25.
Pouch, Safety. J. Machowski. 1,488,018; Mar. 25.
Poultry-feed regulator, Automatic. G. F. Scholle. 1,488,028; Mar. 25.
Powderous matter, Apparatus for dispensing. O. Soiné and C. Petersen. 1,488,074; Mar. 25.
Power-transmitting mechanism. W. J. A. London. 1,488,358; Mar. 25.
Power-unit assembly. E. B. Cushman. 1,488,231; Mar. 25.
Press: *See*—
Fruit press. Ski press.
Pressure gauge. E. B. Crocker and O. W. Heise. 1,488,034; Mar. 25.
Pressure regulator. A. F. Jenkins. 1,488,007; Mar. 25.
Pressure safety control, Automatic. J. Ellmauer. 1,488,328; Mar. 25.
Printing plates, Method of and apparatus for forming. L. W. Claybourn. 1,487,839; Mar. 25.
Propeller for aircraft. J. Haw. 1,488,243; Mar. 25.
Puller: *See*—
Belt puller. Weed puller.
Pulley. I. N. Johnston. 1,487,945; Mar. 25.
Pulp-manufacturing apparatus. C. W. Shartle. 1,488,218; Mar. 25.
Pump. J. E. Delk. 1,488,320; Mar. 25.
Pump and measuring apparatus, Pneumatic. O. R. Pfau. 1,487,756; Mar. 25.
Pump, Centrifugal. P. Hariveau. 1,488,388; Mar. 25.
Pump, Rotary. C. Santos. 1,488,170; Mar. 25.
Pump system. C. J. Burkhardt. 1,488,449; Mar. 25.
Pump, Tire. R. H. Betts. 1,487,835; Mar. 25.
Pump, Vacuum. A. C. Savidge. 1,488,171; Mar. 25.
Pumps, Intake for oil-well. J. J. Fitzpatrick. 1,488,106; Mar. 25.
Rack: *See*—
Automobile trunk rack. Operating rack.
Display rack.
Radiator cap. E. D. Collison. 1,488,194; Mar. 25.
Radiator cap. G. Joannes. Des. 64,314; Mar. 25.
Radiator cap. C. C. Nellis. 1,488,129; Mar. 25.
Radiator-cap light. A. Kane. 1,487,948; Mar. 25.
Radiator, Gas. H. J. Fisher and A. Betz. 1,487,929; Mar. 25.
Radiators, Adjustable bracket for supporting wall. C. J. Branch. 1,488,226; Mar. 25.
Radio outfit cabinet. V. Zidar. 64,329; Mar. 25.
Radio telegraphy and telephony. J. H. Hammond, jr. 1,488,114; Mar. 25.
Radio transmission system. R. A. Heising. 1,488,006; Mar. 25.
Rail brace, Guard-. H. G. Warr. 1,488,303; Mar. 25.
Rail joint. R. E. Osborne. 1,488,277; Mar. 25.
Railway brace. J. G. Mueller. 1,487,876–7; Mar. 25.
Railway crossings, Safety apparatus for. L. B. Hill. 1,488,429; Mar. 25.
Railway track. C. Lear. 1,488,050; Mar. 25.
Range, Gas. H. W. O'Dowd. Des. 64,307; Mar. 25.
Ranges, Water heater for kitchen. P. O. Petterson. 1,488,131; Mar. 25.
Ratchet, Winding and dumping. J. F. Hageman. 1,488,151; Mar. 25.
Razor and the like, Safety. C. E. Carpenter. 1,488,093; Mar. 25.
Razor blades, Holder for stropping. R. W. Manson. 1,487,791; Mar. 25.
Razor, Safety. P. M. Salerni. 1,488,109; Mar. 25.
Razor strop. C. D. Goodwin. 1,487,933; Mar. 25.
Receptacle. F. M. Mielke. 1,488,268; Mar. 25.
Reciprocating engine, Rotary. A. G. M. Michell. 1,487,965; Mar. 25.
Refrigerator. G. B. Davidson. 1,487,725; Mar. 25.
Refrigerator. E. L. Spultz. 1,487,765; Mar. 25.
Refrigerator and ice-cream freezer, Combined. P. L. Elias. 1,487,710; Mar. 25.
Regulator: *See*—
Pressure regulator. Poultry-feed regulator.
Relay. L. E. Richmond. 1,488,134; Mar. 25.
Retorts, Apparatus for charging and discharging. W. D. Scott-Moncrieff. 1,488,361; Mar. 25.
Reversible gauge. B. B. Blood. 1,487,834; Mar. 25.
Ring: *See*—
Packing ring. Piston ring.
Ring gauge, Adjustable. G. E. Peterson. 1,487,803; Mar. 25.
Rivet set. I. J. Cundiff. 1,488,230; Mar. 25.
Rolling pin. F. Miller. 1,488,215; Mar. 25.
Routing machine. F. W. Weston. 1,487,773; Mar. 25.
Ruling apparatus, Parallel-. G. Zovich. 1,488,037; Mar. 25.
Safety apparatus. W. S. Johnson. 1,488,396; Mar. 25.
Sawing machine. D. W. Smith. 1,488,073; Mar. 25.
Scaffold bracket. W. Nowicki. 1,487,798; Mar. 25.
Scarfing machine. J. S. Delaney. 1,487,841; Mar. 25.
Scraper attachment. N. J. Pritchard. 1,488,059; Mar. 25.
Screen: *See*—
Metal screen. Motion-picture screen.
Screen frame. F. Mushall. 1,487,870; Mar. 25.
Screw jack. W. S. Halsey. 1,487,940; Mar. 25.
Scrubbing machine. H. A. Crisp. 1,488,457; Mar. 25.
Sealing means. E. Grauert. 1,487,849; Mar. 25.
Seed-dropping mechanism. E. M. Cole. 1,487,910; Mar. 25.
Semitrailer jack. J. Morrison. 1,488,406; Mar. 25.
Separator. E. C. Horst. 1,488,249; Mar. 25.
Serving stand, Folding. T. Wilson. 1,488,425; Mar. 25.
Serving table. V. A. De Canio and W. J. Buzzini. 1,488,319; Mar. 25.
Sewing machine, Electrically-driven. F. Diehl and M. Hemleb. 1,488,234; Mar. 25.
Sewing machines, Lighting attachment for. F. Diehl. 1,488,233; Mar. 25.
Sewing machines, Presser foot for. M. J. Berg. 1,488,309; Mar. 25.
Shade. R. Hatcher. 1,487,780; Mar. 25.
Shade bracket. F. J. Bayok. 1,487,911; Mar. 25.
Shafts and the like, Machine for milling crank eccentric. A. B. Elsig. 1,487,843; Mar. 25.
Shank support. F. P. Marx. 1,487,792; Mar. 25.
Shaper guide. J. J. Behm. 1,487,912; Mar. 25.
Shears. W. T. Rowen. 1,487,808; Mar. 25.
Sheet-metal-plate-handling machine. M. Kukulj. 1,488,431; Mar. 25.
Sheets, Feeding. E. S. Savage. 1,487,811; Mar. 25.
Shingle, Flexible. J. A. Topping. 1,488,447; Mar. 25.
Shock absorber. R. M. Gruss. 1,487,777; Mar. 25.
Shock absorber, Automatic air. A. H. Demke and D. K. Pope. 1,488,197; Mar. 25.
Shock absorber for sucker rods. W. R. Barney. 1,487,832; Mar. 25.
Shock absorbing and distributing mechanism for automobiles and other vehicles. E. E. Wolf. 1,488,063; Mar. 25.
Shoe hook. A. E. Lind. 1,487,958; Mar. 25.
Shoemaker's tool. F. Kilian. 1,488,351; Mar. 25.
Shoe parts, Machine for operating on. L. A. Casgrain. 1,487,718; Mar. 25.
Shoe-supporting jack. J. Cavanagh and L. E. Topham. 1,488,094; Mar. 25.
Shoe tree and stretcher, Adjustable. J. S. Hansen. 1,488,115; Mar. 25.
Shop, Portable. J. M. Hansen. 1,487,864; Mar. 25.
Sign. D. F. Duck. 1,488,236; Mar. 25.
Sign, Mechanical. A. S. Moon. 1,488,405; Mar. 25.
Signal: *See*—
Crossing signal. Vehicle signal.
Signal and tail light, Combination. J. S. Williamson and H. L. Beach. Des. 64,328; Mar. 25.
Signaling system. G. W. Kuhn and R. G. Ramsdell. 1,488,207; Mar. 25.
Signaling system. R. G. Ramsdell. 1,488,167; Mar. 25.
Silencer. V. J. Harris. 1,488,241; Mar. 25.
Skate, Roller. W. Miller-Metcalf. 1,487,966; Mar. 25.
Skins, Treatment of. G. Duckworth. 1,488,101; Mar. 25.
Ski press. B. Ruhlin and J. B. Cowie. 1,488,062; Mar. 25.
Skirt marker. J. Leibowitz. 1,487,956; Mar. 25.
Skive splitting annular articles, Machine for. C. R. Hubbard. 1,488,120; Mar. 25.
Slag, Method of and apparatus for transporting. J. D. Pugh. 1,488,436; Mar. 25.
Slaughtering cattle, Apparatus for. B. P. Gray. 1,487,935; Mar. 25.
Smoke indicating and recording device. R. C. Stolp. 1,487,898; Mar. 25.
Smoking pipe. L. B. Linkman. 1,487,867; Mar. 25.
Snap fastener. J. W. Dews. 1,488,450; Mar. 25.
Soap and other articles, Box for tablets of. A. Harper. 1,488,456; Mar. 25.
Soap, Composition for the manufacture of laundry and toilet. L. E. Cruver. 1,488,035; Mar. 25.
Socket, Spoke. E. S. B. Mackenzie-Hughes. 1,488,019; Mar. 25.
Sodium bicarbonate and ammonium chloride, Alternate precipitation of. G. Claude. 1,488,002; Mar. 25.
Soldering canisters, Apparatus for. W. J. Luxton. 1,488,212; Mar. 25.
Soldering iron, Self-heating. J. F. Lawrence. 1,487,864; Mar. 25.
Spark arrester. S. Cheney. 1,487,838; Mar. 25.
Spark-plug cleaner. A. J. Dubee. 1,488,326; Mar. 25.
Spectacle, goggle, or mask light, Electric. L. Zachara. 1,488,085; Mar. 25.
Spoon or similar article. G. N. Allen. Des. 64,294; Mar. 25.
Sprayer. A. H. Kline. 1,488,125; Mar. 25.

Spreaders, Front-truck construction for. E. C. Smith. 1,488,173; Mar. 25.
Spring instruments, Handle for. C. and F. Hill. 1,488,118; Mar. 25.
Spring motor. M. Weil. 1,487,994; Mar. 25.
Stanchion and operating table for animals. J. E. Ryan. 1,487,977; Mar. 25.
Stand: *See*—
Calendar stand. Serving stand.
Motor stand.
Staple binder. B. Jahn and E. E. Kahl. 1,488,430; Mar. 25.
Steam generator. S. H. Lopez. 1,488,359; Mar. 25.
Steering-gear lock. J. P. Lavigne. 1,487,863; Mar. 25.
Stereotype-casting machine. E. A. Brown. 1,488,146; Mar. 25.
Stone-dressing machine. L. Dotzer. 1,488,235; Mar. 25.
Stoneworking machine. E. T. Pollard. 1,488,164; Mar. 25.
Stool. S. Nichols. 1,488,024; Mar. 25.
Storage system. H. D. Pratt. 1,488,283; Mar. 25.
Stove casing, Camp-. L. B., N., J. M., and W. Goldberg. 1,487,736; Mar. 25.
Stove, Portable liquid-fuel camp. L. B., J. M., N., and W. Goldberg. 1,487,737; Mar. 25.
Stoves, Ash-sifting attachment for. B. C. Robinson and J. S. Collins. 1,488,440; Mar. 25.
Stud driver. F. R. Lamb. 1,487,746; Mar. 25.
Submarines and other submersible vessels, Apparatus for emptying the water-ballast tanks of. E. Schneider. 1,488,067; Mar. 25.
Supporter. C. E. Grosberg. 1,488,339; Mar. 25.
Surveying transit. H. Kourkene. 1,488,010; Mar. 25.
Sweepings and dump stock, Apparatus for salvaging usable materials from street. C. W. Shartle. 1,488,219; Mar. 25.
Swimmers, Buoyant device for. J. A. De Vilbiss. 1,487,023; Mar. 25.
Switches, Handle construction for panel-board. H. E. Leppert. 1,488,452; Mar. 25.
T square. E. M. McCracken. 1,488,401; Mar. 25.
Table: *See*—
Serving table. Variable table.
Tail light, name and license plate holder, Combined. H. H. Weiss. 1,487,827; Mar. 25.
Talking machine, Multiple. E. O. Yeager and R. H. York. 1,488,185; Mar. 25.
Tank closures, Quick-release device for. J. Sanders. 1,488,441; Mar. 25.
Teeth, Cleanser for artificial. E. B. Castleman. 1,488,315; Mar. 25.
Telegraphic transmitter. E. Ehrhardt. 1,488,003; Mar. 25.
Telephone exchange, Automatic. F. A. Lundquist. 1,487,870; Mar. 25.
Telephone-exchange system. S. B. Williams, jr. 1,487,996; Mar. 25.
Telephone system, C. Sparks. 1,487,761; Mar. 25.
Telephone system, Measured-service. R. G. Richardson. 1,487,888; Mar. 25.
Tension weight for braid carriers. B. J. Goehringer and R. A. Secer. 1,488,111; Mar. 25.
Textile articles, Method of and device for finishing. F. Schuster. 1,488,292; Mar. 25.
Textile manufacturing process, Hollow artificial. J. Rousset. 1,487,807; Mar. 25.
Therapeutic apparatus. G Bueckle. 1,487,837; Mar. 25.
Thrashing-machine attachment. G. Hollinger. 1,487,857; Mar. 25.
Thread cutting, Indexing device for multiple-. H. S. Carlson. 1,488,148; Mar. 25.
Threads, films, ribbons, etc., Manufacture of. A. Perl. 1,488,281; Mar. 25.
Tie changer, Rapid. B. Galland. 1,488,040; Mar. 25.
Tie-handling machine. C. W. Lewis. 1,488,210; Mar. 25.
Tilting mechanism. A. W. Ryback. 1,487,890; Mar. 25.
Tire. A. D. Mathys. Des. 64,318; Mar. 25.
Tire alarm. C. A. Baker. 1,488,426; Mar. 25.
Tire casings, Making. H. A. Hoffman. 1,488,343; Mar. 25.
Tire, Emergency. L. J. Dawson. 1,487,920; Mar. 25.
Tire-inflation testing appliance. I. A. Weaver. 1,487,771; Mar. 25.
Tire tool. S. L. Craggs. 1,488,096; Mar. 25.
Tire tread, Pneumatic. C. E. A. Spiegel. Des. 64,327; Mar. 25.
Tires upon vehicle wheels, Demountable rim to carry pneumatic. J. M. Lozier. 1,488,360; Mar. 25.
Tobacco cartridges, Case or container for. G. F. Bull. 1,488,091; Mar. 25.
Tobacco pipe. R. T. Wright. 1,488,088; Mar. 25.
Tonsorial appliance. J. P. Shea. 1,488,444; Mar. 25.
Tool box, Collapsible carpenter's. A. E. Scheer. 1,488,460; Mar. 25.
Tool for emasculating and tailing lambs. R. E. Plummer. 1,487,972; Mar. 25.
Tools and bars, Chuck for holding. C. H. Clare. 1,488,001; Mar. 25.
Toothbrush. S. Mason. 1,488,214; Mar. 25.
Toy aeroplane. A. Despang. 1,487,922; Mar. 25.
Toy catapult. W. H. Preston. 1,487,973; Mar. 25.
Toy couch. C. Ermert. Des. 64,306; Mar. 25.
Toy pistol. B. A. Cole. 1,488,149; Mar. 25.
Toy pistol. J. H. Hartman. 1,488,046; Mar. 25.
Tractors, etc., Tank for. E. E. Sweet. 1,487,986; Mar. 25.
Tractors, Fender and safeguard for. H. W. Simpson. 1,488,136; Mar. 25.
Traffic barrier, Emergency. J. J. Keenan. 1,487,861; Mar. 25.
Train orders, Means for delivering. E. L. Cottingham. 1,488,318; Mar. 25.
Train stops, Track mechanism for automatic. S. P. Johnson. 1,487,781; Mar. 25.
Tramway grip. L. A. Knopp. 1,487,744; Mar. 25.
Transmission. J. G. Morton. 1,488,023; Mar. 25.
Transmission bands, Line-attaching device for. J. Jones. 1,487,947; Mar. 25.
Trap: *See*—
Insect trap.
Trap. H. E. Bronson. 1,488,312; Mar. 25.
Trellis. B. S. Blake. 1,488,380; Mar. 25.
Truck. F. H. Quinlan. 1,488,061; Mar. 25.
Truss. E. N. Chittenden. 1,488,316; Mar. 25.
Tubes, Method of and apparatus for curing inner. W. C. State. 1,488,409; Mar. 25.
Tunneling or mining machine. A. Schmidt. 1,488,066; Mar. 25.
Turbine driven by water or steam. O. Gätzi. 1,488,108; Mar. 25.
Turbine, Radial-flow. H. T. Herr. 1,488,117; Mar. 25.
Typewriter device. E. S. Gonzales. 1,488,113; Mar. 25.
Typewriter-silencing device. F. L. McLaughlin. 1,488,453; Mar. 25.
Typewriting machine. F. A. Hart. 1,488,242; Mar. 25.
Typewriting machine. J. B. Holden. 1,488,247; Mar. 25.
Typewriting machine. S. Khalil. 1,488,124; Mar. 25.
Tyrists, Traveling cony for. T. A. Biggs and A. E. Vance. 1,488,459; Mar. 25.
Typographical composing and distributing machines. D. S. Kennedy. 1,487,783; Mar. 25.
Typographical composing machine, Escapement-actuating mechanism of. T. Drake and J. C. W. Field. 1,487,730; Mar. 25.
Typographical machines, Keyboard mechanism for. D. S. Kennedy. 1,487,784; Mar. 25.
Undercarment of the bloomer type. M. D. Neilson. 1,487,971; Mar. 25.
Upper-shaping machine. E. Brothers. 1,487,915; Mar. 25.
Utensil-cleaning apparatus. F. Werner. 1,488,139; Mar. 25.
Valve. G. J. Bryen and R. H. Currie. 1,488,147; Mar. 25.
Valve. J. M. Deisch. 1,487,921; Mar. 25.
Valve. M. C. Hoskin. 1,488,391; Mar. 25.
Valve, Automatic expansion. J. Ellmauer. 1,488,329; Mar. 25.
Valve, Electric. H. Gernsback. 1,488,337; Mar. 25.
Valve, Faucet. H. Jones. 1,488,008; Mar. 25.
Valve for compressors, Piston. G. G. Tuttle. 1,487,769–70; Mar. 25.
Valve, Hydraulic. E. O. Lundblad. 1,488,013; Mar. 25.
Valve lifter. A. R. McCants and A. J. Cornett. 1,488,400; Mar. 25.
Valve lifter. M. E. Stevens. 1,488,174; Mar. 25.
Valve mechanism for train-stopping apparatus. J. F. Webb, jr. 1,487,991; Mar. 25.
Valve-operating mechanism. H. E. Rhoads. 1,488,285; Mar. 25.
Valve-pin-inserting tool. D. G. Laplace and E. H. Moore. 1,488,208; Mar. 25.
Valve, Puppet. J. C. Simonsen. 1,487,815; Mar. 25.
Valve, Rotary disk. M. Spuhr. 1,487,762; Mar. 25.
Valve-spring retainer. E. Stoakes. 1,488,365; Mar. 25.
Valve-stem cover. O. F. Glenn. 1,487,932; Mar. 25.
Valve, Toilet. H. P. Gonsouland. 1,488,042; Mar. 25.
Vanity case. M. Miller. 1,487,875; Mar. 25.
Vaporizing apparatus. E. J. Meyer. 1,487,964; Mar. 25.
Variable table. G. E. Fay. 1,487,784; Mar. 25.
Varnish making. A. Murray. 1,488,274; Mar. 25.
Vector calculations, Device for making. A. F. Puchstein. 1,487,805; Mar. 25.
Vehicle brake. H. Jervis. 1,488,204; Mar. 25.
Vehicle having self-laying track. S. M. Viale. 1,488,080; Mar. 25.
Vehicle jack. T. J. Judge. 1,488,205; Mar. 25.
Vehicle locking device. J. A. Watson. 1,488,081; Mar. 25.
Vehicle signal. M. Woolf. 1,487,997; Mar. 25.
Vehicle signal, Motor-. O. B. Perkins. 1,488,280; Mar. 25.
Vehicle vision shield. W. A. Schaar and C. L. Gerds. 1,487,978; Mar. 25.
Vehicle wheel gauge. R. L. Skinner. 1,487,759; Mar. 25.
Vehicles, Apparatus for lifting and turning motor. A. Fiorentino. 1,488,038; Mar. 25.
Vehicles, Change-speed gear for self-propelled. J. H. Chambers. 1,488,381; Mar. 25.
Vehicles, Crawler-type track-laying tread attachment for automotive. R. R. Miller. 1,487,751; Mar. 25.
Vehicles, Direction-signaling apparatus for motor. H. G. Clifton. 1,488,033; Mar. 25.
Vehicles, Lighting device for. N. M. Corrigan. 1,487,724; Mar. 25.
Vehicles, Safety device for motor. G. E. Howell. 1,487,944; Mar. 25.
Vending and weighing machine, Combined. A. B. Roth. 1,488,288; Mar. 25.

Vending machines, Heating attachment for. M. A. Glasco. 1,488,201; Mar. 25.
Ventilation method. H. Baets. 1,488,225; Mar. 25.
Ventilator. T. A. Jenkins. 1,488,345; Mar. 25.
Ventilator. G. H. Miller. 1,488,162; Mar. 25.
Ventilator. F. Ziganek and C. W. Schwab. 1,487,828; Mar. 25.
Wall tints, Formula for insoluble. J. F. Makowski. 1,487,961; Mar. 25.
Warp-leasing machine. E. F. Hathaway. 1,487,740; Mar. 25.
Washer: *See*—
Lock washer.
Washing machine. M. B. Latahaw. 1,488,353; Mar. 25.
Washing machine. J. P. Moos. 1,487,753; Mar. 25.
Washing machine. O. R. Schwantes. 1,487,896; Mar. 25.
Washing machine. L. B. Yates. 1,487,907; Mar. 25.
Washing process and machine. J. L. Booth. 1,487,914; Mar. 25.
Watchcase bow. J. Fahys. Des. 64,309; Mar. 25.
Water gauge. G. H. Sargent. 1,488,065; Mar. 25.
Water heater and spark arrester, Combined feed-. A. Anderberg. 1,488,188; Mar. 25.
Water motor. G. W. Gordon. 1,488,387; Mar. 25.
Water-purifying apparatus. H. W. Gibson. 1,488,041; Mar. 25.
Water sleeve. W. T. Lawless. 1,488,049; Mar. 25.
Weftless fabric, Manufacture of. E. Hopkinson. 1,488,048; Mar. 25.
Well controlling-valve attachment, Oil-. A. L. Loeffler. 1,488,211; Mar. 25.
Wells, Means for cementing. T. R. Nichols. 1,487,797; Mar. 25.
Wheel: *See*—
Brake wheel.
Hand wheel.
Ironing wheel.
Wheel. A. G. Gustafson. 1,488,340; Mar. 25.
Wheel. J. C. Morgan. 1,488,022; Mar. 25.
Wheel. T. E. Murray. 1,487,754; Mar. 25.
Wheel. H. Walters and R. A. Heerman. 1,487,904; Mar. 25.
Wheelbarrows or the like, Pipe-framed metal. E. Schofield. 1,488,176; Mar. 25.
Wheel clamp. W. D. White and J. M. Brown. 1,488,000; Mar. 25.
Wheel generating machine, Worm-. C. H. Schurr. 1,487,895; Mar. 25.
Wheel puller. W. H. Wilcox. 1,488,423; Mar. 25.
Wheels, Hood for car. M. C. Blest. 1,488,189; Mar. 25.
Wheels, Tire-inflating connection for. W. Barber. 1,487,831; Mar. 25.
Window. A. Sorg. 1,488,295; Mar. 25.
Window construction. W. J. and H. D. Heath. 1,488,116; Mar. 25.
Window fixture. W. C. Bliven. 1,488,030; Mar. 25.
Window fixture. S. Filipek. 1,487,928; Mar. 25.
Window header finish strip. H. C. Maise. 1,487,748; Mar. 25.
Window parting strip. F. Ehrsam. 1,488,104; Mar. 25.
Window tightener. H. E. T. Jensen. 1,488,394; Mar. 25.
Windscreen. G. Welch. 1,488,421; Mar. 25.
Windshields, Apparatus for cleaning. C. W. Johnson. 1,488,121; Mar. 25.
Wire-repair tool. J. E. Goodman. 1,488,043; Mar. 25.
Wire stretcher. L. F. Wallen. 1,488,180; Mar. 25.
Wood, Recovering gases which are formed during the destructive distillation of. C. F. Ott. 1,488,278; Mar. 25.
Wrench: *See*—
Bearing wrench.
Wrench. L. A. Prestek. 1,488,217; Mar. 25.
Wrench. P. and T. Vosbikian. 1,488,179; Mar. 25.
Wringing machine. J. Decelles. 1,488,384; Mar. 25.
Yarn-dyeing device. G. T. Thomayer. 1,488,299; Mar. 25.
Yarn-dyeing machine. G. T. Thomayer. 1,488,297-8; Mar. 25.

CLASSIFICATION OF PATENTS

ISSUED MARCH 25, 1924.

NOTE.—First number—class, second number—subclass, third number—patent number.

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